AGENDA
President and Board of Trustees
Village of Arlington Heights
Board Room

Arlington Heights Village Hall
33 S. Arlington Heights Road
Arlington Heights, IL 60005
April 7, 2025
7:30 PM

I. CALL TO ORDER

II. PLEDGE OF ALLEGIANCE

A. Presentation of the Colors by Boy Scout Troop 32

III. ROLL CALL OF MEMBERS

IV. APPROVAL OF MINUTES

A. 03/17/2025 Village Board Meeting Minutes

V. APPROVAL OF ACCOUNTS PAYABLE

A. 03/30/2025 Warrant Register

VI. RECOGNITIONS AND COMMUNICATIONS

VII. PUBLIC HEARINGS

VIII. CITIZENS TO BE HEARD

Anyone wishing to speak on a subject not on the Agenda should fill out a card, located in the back of the room, and hand it to the Village Clerk. Please limit your comments to three minutes.

IX. CONSENT AGENDA

This Agenda consists of proposals and recommendations that, in the opinion of the Village Manager, will be acceptable to all members of the Board of Trustees. The purpose of this Agenda is to save time by taking only one roll call vote instead of separate votes on each item. Consideration of this Consent Agenda will be governed by the following rules and procedures prior to roll call vote:

1. Any Trustee who wishes to vote "no" or "pass" on any Consent Agenda items should so indicate.

2. Upon the request of any one Trustee, any item will be removed from the Consent Agenda

and considered separately after adoption of the Consent Agenda.

3. Citizens in the audience may request that the Board remove any item from this Consent Agenda for separate consideration after adoption of the Consent Agenda.

4. One roll call vote will be taken and will cover all remaining Consent Agenda items.

A. Adoption of an ordinance amending Chapter 13 of the Village Code to increase the number of Class A liquor licenses to 37; increase the number of Class B liquor licenses to 35; and decrease the number of Class AA liquor licenses to 20, and recommendation that the Liquor Commissioner issue one Class A license to Maax Arlington Heights, LLC dba MAAX Asian BBQ & Hot Pots; issue one Class B and one Class T liquor license to Harvest Fresh Market & XO Deli, INC. dba Harvest Fresh Market & XO Deli, INC.; and reclassify the liquor license assigned to Honey Jam Cafe LLX dba Honey-Jam Cafe by issuing one Class A liquor license and removing the current Class AA liquor license

B. Resolution Awarding a Contract for Construction of the 2025 Street Resurfacing and Sidewalk Program

C. Resolution Approving a Contract for the Construction of the Forrest Avenue Stormwater Improvements Project

D. Ordinance Approving a Land Use Variation for ICON Studio - 3375 N. Arlington Heights Rd, Units A, B, G & H

E. Resolution Approving an Agreement for Forrest Avenue Stormwater Improvements - Construction Observation and Other Engineering Related Services

F. Resolution Approving Parking Garage Rehabilitation Construction Contract

G. Resolution Approving the Purchase of Two Dodge SUVs for the Police Department

H. Resolution Approving the Purchase of Four 2025 Ford AWD Hybrid Vehicles for the Police Department

I. Resolution Approving the Purchase of a Case Side-Shift Backhoe for the Public Works & Engineering Department

J. Resolution Approving the Purchase of a Small Articulated Loader for the Public Works & Engineering Department

K. Resolution Approving the Purchase of a Floor Scrubber for the Public Works & Engineering Department

L. Resolution Approving the Purchase of the LED Street Light Fixtures 2025

M. Resolution Approving the Purchase of a Water Excavator and Trailer for the Public Works & Engineering Department

N. Resolution Awarding a Contract for Leak Detection Services

O. Resolution Approving Amendment #1 to IDOT's Master Traffic Signal Agreement

P. Resolution Approving a Joint Funding Agreement for Phase II Engineering of Windsor Drive Road Diet Project with the Illinois Department of Transportation

Q. Resolution Awarding a Contract for Engineering Services for Phase II of Windsor Drive Road Diet

R. Ordinance Authorizing Reallocation of Unused Private Activity Bond Volume Cap Allocation

S. Resolution Approving AT&T - Switched Ethernet Service Agreement

T. Bond Waiver - Good Neighbors Network

U. Budget Amendment Ordinance for Relocation of Village's Watermain in IDOT R.O.W.

X. NEW BUSINESS

A. Appointment of Carla McAleer to the Arts Commission, term ending April 30, 2028

B. Appointment of Kate Schwarz for appointment to the Arts Commission, term ending April 30, 2028.

C. Arlington Heights Park District - 750 W. Northwest Hwy. / Sign Variation - DC#24-069

D. Arlington Ridge Center - 750 W. Northwest Hwy & 660 N. Ridge Ave. - PC#24-019 PUD Amendment, Special Use Permit, Amendment to Comprehensive Plan, Rezoning with Variation

E. East Country Lane Townhomes - 3310 N. Old Arlington Heights Rd. - PC#24-015 Planned Unit Development, Comprehensive Plan Amendment, Rezoning, Preliminary Plat with Variations

XI. ADJOURNMENT

Persons with disabilities requiring auxiliary aids or services, such as an American Sign Language interpreter or written materials in accessible formats, should contact the Health & Human Services Department, at 33 S. Arlington Heights Road, Arlington Heights, IL 60005, healthmail@vah.com or 847/368-5760.

[MEET_FOOT]

MINUTES
President and Board of Trustees
Village of Arlington Heights
Board Room

Arlington Heights Village Hall
33 S. Arlington Heights Road
Arlington Heights, IL 60005
March 17, 2025
7:30 PM

I. CALL TO ORDER

II. PLEDGE OF ALLEGIANCE

III. ROLL CALL OF MEMBERS

President Hayes and the following Trustees responded to roll: Richard Baldino, James Bertucci, Wendy Dunnington, Nicolle Grasse, Robin LaBedz, Tom Schwingbeck, Scott Shirley, Jim Tinaglia. Trustees were absent.
Also present were: Randy Recklaus, Diana Mikula, Emily Rodman, Cris Papierniak, Hart Passman, and Becky Hume.

IV. APPROVAL OF MINUTES

A. 03/03/2025 Meeting Minutes

Trustee Tinaglia moved to Approve. Trustee LaBedz Seconded the Motion.
The Motion: Passed
Ayes: President Hayes, Trustee Baldino, Trustee Bertucci, Trustee Dunnington, Trustee Grasse, Trustee LaBedz, Trustee Schwingbeck, Trustee Shirley, Trustee Tinaglia
Nays: None

V. APPROVAL OF ACCOUNTS PAYABLE

A. 03/15/2025 Warrant Register

Trustee Bertucci moved to Approve in the amount of $1,903,009.82. Trustee Schwingbeck Seconded the Motion.
The Motion: Passed
Ayes: President Hayes, Trustee Baldino, Trustee Bertucci, Trustee Dunnington, Trustee

Grasse, Trustee LaBedz, Trustee Schwingbeck, Trustee Shirley, Trustee Tinaglia
Nays: None

VI. RECOGNITIONS AND COMMUNICATIONS

Trustee Dunnington proposed that the Village Board approve a New Art in Public Places program that includes funding, to enable the Arts Commission to create a new robust program. A mural is a simple way to create or nurture aspects of culture and creativity in a city and is great for artistic placemaking and city marketing. Public art is proven to drive economic activity, boost mental health, and instill a sense of public safety as it can turn a dark unused alleyway into an Instagram-able destination. Art can boost tourism and support local business. Art also decreases traffic accidents by increasing the visibility of pedestrian spaces and encourages drivers to slow down. Public art isn't just murals and sculptures either, it can include decorative transformer cabinets of Public Utilities, bus shelters, working pianos around town, and beautiful crosswalks. Public art could celebrate our town's history, our growing Asian and Eastern European community, the music scene, or the former racetrack. Murals on public parking garages could add beauty to our downtown area, and murals on our utility transformer cabinets would add art throughout all areas of the entire Village. She believes a commitment to funding public art will increase revenue and ensure the Village stays vibrant. She requested a Committee of the Whole meeting, so the Board can discuss and recommend to the Village Board approval for an Art in Public Places Program. She asked for the Arts Commission’s membership to be filled to capacity.

Mr. Recklaus noted that the new Planning Director has experience with mural Ordinances and that one could be developed. He cautioned that the next couple of months with new Board member orientations are going to be dense with meetings. He said if this is something that the Board wants, staff will make time for it. He noted the Arts Commission may have thoughts and perspectives on these issues too. We can have the Board develop a framework and send it to the Commission to work on, or have the Commission begin and come to the Board with recommendations.

President Hayes and all the Trustees agreed that this was a good idea and wished to pursue it. They recalled the successful Ponies on Parade program and shared public art experiences they had experienced in other communities, like Chalk the Block, painted sculptures, umbrella ceilings, and murals. Consensus emerged that the Board would like the Arts Commission to begin working on ideas that they then bring to the Board. Trustee Shirley said he would prefer to approve specific items and programs that had dollar amounts associated with them rather than allocating a prescribed amount to be spent. He also suggested the Village’s light pole banners be refreshed. President Hayes recalled a previous sculpture program that was halted during the recession. Trustee Tinaglia said if there was a mural ordinance in place, architects could dedicate public art spaces in new building proposals. Trustee Bertucci suggested the Youth Commission could be involved as well, and perhaps local youth artists could participate.

Trustee Grasse reminded residents that Early Voting started today in Village Hall.

Kim Dyer said she once served as the Chair of the Youth Commission, and they tried to do a project painting garbage containers in the parks. She offered to share her knowledge with the Youth or Arts Commissions. Her main reason for speaking tonight was to say we need more police officers in Arlington Heights. They're running low and officers who had worked their way to the day shift have now had to move back to nights because the department has lost people. Elk Grove Village is offering to take these people away from us for their current salary with a $30,000 bonus. She asked the Board to think about this

when planning the budget. She asked the Board to make Arlington Heights a more appealing place for our police officers to come to. We want to make our Village friendly, but people need to feel safe.

Salaam Yusif spoke about the misconceptions of Islam and Muhammad. He said the prophets Noah, Abraham, Moses, Jesus and Muhammad all speak of peace and were sent to their people with this message.

President Hayes said that the Village is a very welcoming community, and he says it all the time at the prayer breakfast every year. Arlington Heights is a community of very strong, religious, and faithful people of many different faiths and cultures. We appreciate the strength of all of our different churches, no matter what the denomination.

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Resident Rob Brodecki said he was pleased with the Vail Promenade project, item IX. J. He said it looks fantastic. He hopes that it goes through, gets installed and then is used as a model for other intersections and actions around the Village.

Trustee Grasse moved to Approve. Trustee LaBedz Seconded the Motion.
The Motion: Passed
Ayes: President Hayes, Trustee Baldino, Trustee Bertucci, Trustee Dunnington, Trustee Grasse, Trustee LaBedz, Trustee Schwingbeck, Trustee Shirley, Trustee Tinaglia
Nays: None

A. Resolution Declaring a Surplus of Tax Increment Financing Funds from the TIF V Special Tax Allocation Fund

R2025-039

B. Ordinance Approving Sign Variations for Golf VX at 644 E. Rand Rd.

2028-11

C. Resolution Approving the Purchase of Two Ford Pickup Trucks for Police

R2025-040

D. Resolution Approving N Forrest Avenue Stormwater Improvements - Addendum #2

R2025-041 / A2025-23

E. Resolution to Approve Intergovernmental Agreement for IDOT Project 62N91-Watermain Relocation

R2025-043 / A2025-24

F. Resolution Approving the Purchase of Two Ford E-Transit Cargo Vans for Public Works

R2025-043

G. Resolution Awarding the Concrete Flatwork 2025 Contract

R2025-044 / A2025-25

H. Resolution Awarding the Stump Removal and Restoration Contract 2025

R2025-045 / A2025-26

I. Resolution Authorizing 2025 Certificate of Authority - Salt Purchase through ID-CMS

R2025-046

J. Resolution for Invest in Cook (IIC) Grant Application for Engineering Services for the Vail Promenade: Downtown Pedestrian Improvement Project

R2025-047

X. NEW BUSINESS

A. Appointment of Aleena Patel to the Youth Commission, term ending April 30, 2026

Trustee Schwingbeck moved to Concur in the Mayor's Appointment. Trustee Shirley Seconded the Motion.
The Motion: Passed
Ayes: President Hayes, Trustee Baldino, Trustee Bertucci, Trustee Dunnington, Trustee Grasse, Trustee LaBedz, Trustee Schwingbeck, Trustee Shirley, Trustee Tinaglia
Nays: None

President Hayes administered the Oath of Office to Ms. Patel.

B. Appointment of Maria Georgakopoulos to the Youth Commission, term ending April 30, 2026

Trustee LaBedz moved to Concur in the Mayor's Appointment. Trustee Grasse Seconded the Motion.
The Motion: Passed
Ayes: President Hayes, Trustee Baldino, Trustee Bertucci, Trustee Dunnington, Trustee Grasse, Trustee LaBedz, Trustee Schwingbeck, Trustee Shirley, Trustee Tinaglia
Nays: None

President Hayes administered the Oath of Office to Ms. Georgakopoulos.

XI. ADJOURNMENT

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Trustee Baldino moved to Adjourn at 8:00 p.m. Trustee LaBedz Seconded the Motion.
The Motion: Passed
Ayes: President Hayes, Trustee Baldino, Trustee Bertucci, Trustee Dunnington, Trustee Grasse, Trustee LaBedz, Trustee Schwingbeck, Trustee Shirley, Trustee Tinaglia
Nays: None

Becky Hume - Village Clerk

VILLAGE OF ARLINGTON HEIGHTS

WARRANT REGISTER FOR CHECK DATE: 3/30/2025

Fund	Fund Description	Total Transaction Amount
101	GENERAL FUND	$700,674.41
215	CDBG FUND	$85.00
225	ZERO INTEREST LOAN FUND	$24,794.39
227	FOREIGN FIRE INS TAX FUND	$40,666.39
231	CRIMINAL INVESTIGATION FD	$110,219.54
235	MUNICIPAL PARKG OPR FUND	$20,711.80
267	SOUTH ARL HTS RD TIF	$112.50
401	CAPITAL PROJECTS FUND	$220,949.68
426	STORM WATER CONTROL FUND	$34,019.03
505	WATER AND SEWER FUND	$591,751.20
506	LEAD SERVICE LINE REPL FUND	$51,106.80
515	ARTS ENTERT & EVENTS FUND	$23,673.92
605	HEALTH INSURANCE FUND	$386,741.07
611	GENERAL LIABILITY INS FND	$8,883.73
615	WORKERS COMPENSATION INS	$70,751.59
621	FLEET OPERATIONS FUND	$500,720.66
625	TECHNOLOGY FUND	$50,819.03
715	GUARANTY DEPOSITS FUND	$2,100.00
	TOTAL ALL FUNDS	**$2,838,780.74**

VILLAGE OF ARLINGTON HEIGHTS
WARRANT REGISTER
CHECK DATE: 3/30/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
Department 0000	**NON DEPARTMENTAL**				
					$37,369.00
311312	231-0000-350531-	ASSUREDPARTNERS	LIABILITY INSURANCE	$37,369.00	
					$60,000.00
311402	231-0000-350531-	ILLINOIS I&L LL, LLC	RENT (ON BEHALF OF NCNTF)	$60,000.00	
					$7.97
311442	101-0000-489850-	MERCHANTS CREDIT GUIDE CO	COLLECTION FEES	$1.72	
311442	101-0000-489850-	MERCHANTS CREDIT GUIDE CO	COLLECTION FEES	$6.25	
					$4,540.00
311456	231-0000-350531-	MOS EQUIPMENT	EQUIPMENT	$4,540.00	
					$3,305.76
311458	231-0000-350531-	NORTH CENTRAL NARCOTICS TASK FORCE	REIMBURSEMENT(ON BEHALF OF NCNTF)	$3,305.76	
					$200.00
311468	715-0000-220930-	ALAN VAN BLADEL	BOND REFUND-REC-006654-2024	$200.00	
					$200.00
311469	715-0000-220930-	Blue Construction Corp	BOND REFUND-REC-009791-2025	$200.00	
					$200.00
311470	715-0000-220930-	JRC Design Build	BOND REFUND-REC-009789-2025	$200.00	
					$200.00
311471	715-0000-220930-	JRC Design Build	BOND REFUND-REC-009798-2025	$200.00	
					$700.00
311472	715-0000-220930-	NICK TSIFTILIS	BOND REFUND-REC-009400-2025	$200.00	
311472	715-0000-220930-	NICK TSIFTILIS	BOND REFUND-REC-009400-2025	$500.00	
					$200.00

VILLAGE OF ARLINGTON HEIGHTS
WARRANT REGISTER
CHECK DATE: 3/30/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
311473	715-0000-220930-	patrick pittman	BOND REFUND-REC-009793-2025	$200.00	
					$200.00
311474	715-0000-220930-	Ramirez N Sons Concrete LLC	BOND REFUND-REC-009794-2025	$200.00	
					$200.00
311475	715-0000-220930-	The Concrete Doctors	BOND-REFUND-REC-009394-2025	$200.00	
					$17.70
311478	505-0000-452420-	ELLERTSON, ESTHER	WATER BILL REFUND	$5.20	
311478	505-0000-452420-	ELLERTSON, ESTHER	WATER BILL REFUND	$12.50	
					$9,960.50
311479	505-0000-452420-	WILK, TAIMI	WATER BILL OVERPAYMENT REFUND	$9,960.50	
					$397.00
311480	505-0000-452420-	PARDINI, TRACY	WATER BILL REFUND	$397.00	
					$609.25
802476	101-0000-210950-	RTA/CTA BENEFIT PROGRAM	EMPLOYEE RTA BENEFIT PROGRAM	$609.25	
					$8,454.20
902546	101-0000-210910-	EMPLOYEE BENEFITS CORP	HEALTH/DEPENDENT CARE FSA	$7,286.95	
902546	101-0000-210930-	EMPLOYEE BENEFITS CORP	HEALTH/DEPENDENT CARE FSA	$1,167.25	
					$9,809.34
902547	101-0000-210810-	DEARBORN LIFE INS CO	STD APRIL 2025	$389.89	
902547	101-0000-210810-	DEARBORN LIFE INS CO	STD APRIL 2025	$9,419.45	
					($7,646.61)
902551	605-0000-471230-	BLUE CROSS BLUE SHIELD OF ILLINOIS	MEDICAL/DENTAL 3/1-3/15	($7,646.61)	
					$9,985.98
902552	101-0000-210910-	EMPLOYEE BENEFITS CORP	HEALTH/DEPENDENT CARE FSA	$9,171.32	

VILLAGE OF ARLINGTON HEIGHTS
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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
902552	101-0000-210930-	EMPLOYEE BENEFITS CORP	HEALTH/DEPENDENT CARE FSA	$814.66	
					$6,750.16
902555	101-0000-211060-	VISION SERVICE PLAN	VISION INSURANCE	$1,759.40	
902555	101-0000-211060-	VISION SERVICE PLAN	VISION INSURANCE	$4,990.76	
					$4,153.50
902559	101-0000-211070-	METLIFE LEGAL PLANS, INC	METLIFE LEGAL COVERAGE - FEB-APR 2025	$156.00	
902559	101-0000-211070-	METLIFE LEGAL PLANS, INC	METLIFE LEGAL COVERAGE - FEB-APR 2025	$156.00	
902559	101-0000-211070-	METLIFE LEGAL PLANS, INC	METLIFE LEGAL COVERAGE - FEB-APR 2025	$175.50	
902559	101-0000-211070-	METLIFE LEGAL PLANS, INC	METLIFE LEGAL COVERAGE - FEB-APR 2025	$1,209.00	
902559	101-0000-211070-	METLIFE LEGAL PLANS, INC	METLIFE LEGAL COVERAGE - FEB-APR 2025	$1,228.50	
902559	101-0000-211070-	METLIFE LEGAL PLANS, INC	METLIFE LEGAL COVERAGE - FEB-APR 2025	$1,228.50	
			DEPARTMENT 0000 TOTAL:	$149,813.05	

VILLAGE OF ARLINGTON HEIGHTS
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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
Department 0101	**BOARD OF TRUSTEES ADMIN**				
					$823.04
	101-0101-521650-	PANERA	MEETING SUPPLIES	$301.89	
	101-0101-521650-	PANERA	MEETING SUPPLIES	$340.76	
	101-0101-521650-	FTD, LLC	SYMPATHY FLOWERS	$180.39	
					$318.00
311339	101-0101-521650-	CAPTION FIRST INC	CAPTIONING SERVICES	$318.00	
					$3,242.17
311344	101-0101-522020-	CHICAGO METROPOLITAN AGENCY FOR	2025 CONTRIBUTION	$3,242.17	
					$4,500.00
311430	101-0101-521650-	LORELLE COMMUNICATIONS INC	PROFESSIONAL SERVICES	$4,500.00	
			DEPARTMENT 0101 TOTAL:	$8,883.21	

VILLAGE OF ARLINGTON HEIGHTS
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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
Department 0201	**INTEGRATED SERVICES ADMIN**				
					$899.20
	101-0201-522030-	NOTHING BUNDT CAKES	MEETING SUPPLIES	$31.50	
	101-0201-522030-	PEGGY KINNANE'S LLC	MEETING SUPPLIES	$257.96	
	101-0201-522030-	PRESIDENT ABRAHAM LINCOLN HOTEL	TRAVEL & TRAINING	$395.10	
	101-0201-522700-	APPLE STORE	ICLOUD STORAGE	$0.99	
	101-0201-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$16.84	
	101-0201-530050-	WALMART	OFFICE SUPPLIES	$20.51	
	101-0201-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$25.98	
	101-0201-530350-	BRANDING TOUCHPOINT / IPROMOTE U	CLOTHING & APPAREL	$150.32	
					$1,260.00
311306	101-0201-522020-	ARLINGTON HTS CHAMBER OF COM	DUES	$1,260.00	
					$470.30
311330	101-0201-530050-	BRANDING TOUCHPOINT / IPROMOTE U	CLOTHING & APPAREL	$470.30	
					$12.93
311338	101-0201-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	$12.93	
					$10,000.00
311432	101-0201-520050-	MAC STRATEGIES GROUP INC	PROFESSIONAL SERVICES	$10,000.00	
					$83.01
311466	101-0201-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$83.01	
					$52,048.35
902557	101-0201-520100-	ELROD FRIEDMAN LLP	JAN 2025 LEGAL SERVICES	$52,048.35	
					$67,963.50
902558	101-0201-520100-	ELROD FRIEDMAN LLP	FEB 2025 LEGAL SERVICES	$67,963.50	

VILLAGE OF ARLINGTON HEIGHTS

WARRANT REGISTER

CHECK DATE: 3/30/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
			DEPARTMENT 0201 TOTAL:	$132,737.29	

VILLAGE OF ARLINGTON HEIGHTS
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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
Department 0301	**HUMAN RESOURCES ADMIN**				
					$3,181.14
	101-0301-520050-	CONSENSUS CLOUD SOLUTIONS	OFFICE EQUIPMENT	$49.99	
	101-0301-522010-	AMERICAN PLANNING ASSOCIATION-ILLINOIS CHAPTER	ADVERTISING	$25.00	
	101-0301-522010-	LINKEDIN CORPORATION	SUBSCRIPTION	$169.99	
	101-0301-522020-	SOCIETY FOR HUMAN RESOURCE MANAGEMENT	DUES	$264.00	
	101-0301-522030-	EEOC TRAINING INSTITUTE	TRAVEL & TRAINING	$300.00	
	101-0301-540700-	FLASHBAY, INC.	EVENT SUPPLIES	$1,659.00	
	101-0301-540700-	CANVA.COM	EVENT SUPPLIES	$50.00	
	101-0301-540700-	SUBWAY	EVENT SUPPLIES	$25.00	
	101-0301-540700-	LOU MALNATI'S PIZZERIA	EVENT SUPPLIES	$25.00	
	101-0301-540700-	LETTUCE ENTERTAIN YOU ENTERPRISES, INC	EVENT SUPPLIES	$25.00	
	101-0301-540700-	NOSTIMO GREEK KITCHEN	EVENT SUPPLIES	$63.87	
	101-0301-540700-	CANVA.COM	EVENT SUPPLIES	($4.56)	
	605-0301-522020-	SOCIETY FOR HUMAN RESOURCE MANAGEMENT	DUES	$264.00	
	615-0301-520450-	IL WORKERS COMPENSATION COMMISSION	PROFESSIONAL SERVICES	$234.85	
	615-0301-522030-	MANAGER TOOLS LLC	TRAVEL & TRAINING	$30.00	
					$174.19
311299	101-0301-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$54.89	
311299	101-0301-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$119.30	
					$36.21
311338	101-0301-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	$36.21	
					$2,160.00

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311353	101-0301-520200-	CLARK BAIRD SMITH LLP	LEGAL SERVICES	$2,160.00	
					$100.00
311400	101-0301-522010-	ILCMA	ADVERTISING	$50.00	
311400	101-0301-522010-	ILCMA	ADVERTISING	$50.00	
					$70,486.74
311404	615-0301-542810-	INTERGOVERNMENTAL RISK MGMT AGENCY	IRMA FEBRUARY 2025	$70,486.74	
					$700.00
311435	101-0301-520050-	MARTINA MATHISEN	PROFESSIONAL SERVICES	$700.00	
					$10,766.00
311462	605-0301-520500-	NORTHWEST COMMUNITY HOSPITAL	BIENNIAL PHYSICALS	$3,466.00	
311462	605-0301-520500-	NORTHWEST COMMUNITY HOSPITAL	BIENNIAL PHYSICALS	$3,577.00	
311462	605-0301-520500-	NORTHWEST COMMUNITY HOSPITAL	BIENNIAL PHYSICALS	$3,723.00	
					$68.17
311486	101-0301-540700-	PETTY CASH	EVENT SUPPLIES	$68.17	
					$50.00
311547	101-0301-522010-	WISCONSIN CITY OF COUNTY MANAGEMENT ASSOCIATION	ADVERTISING	$50.00	
					$7,275.63
902548	605-0301-520650-	DEARBORN LIFE INS CO	LIFE INSURANCE APRIL 2025	$291.57	
902548	605-0301-520650-	DEARBORN LIFE INS CO	LIFE INSURANCE APRIL 2025	$348.70	
902548	605-0301-520650-	DEARBORN LIFE INS CO	LIFE INSURANCE APRIL 2025	$675.10	
902548	605-0301-520650-	DEARBORN LIFE INS CO	LIFE INSURANCE APRIL 2025	$2,661.15	
902548	605-0301-520650-	DEARBORN LIFE INS CO	LIFE INSURANCE APRIL 2025	$3,299.11	
					$12,001.97
902550	605-0301-520450-	BENISTAR/HARTFORD - 6795	APRIL 2025 RETIREE INSURANCE	$290.70	

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
902550	605-0301-542750-	BENISTAR/HARTFORD - 6795	APRIL 2025 RETIREE INSURANCE	$11,711.27	
					$363,346.60
902551	605-0301-542750-	BLUE CROSS BLUE SHIELD OF ILLINOIS	MEDICAL/DENTAL 3/1-3/15	$336,874.57	
902551	605-0301-542770-	BLUE CROSS BLUE SHIELD OF ILLINOIS	MEDICAL/DENTAL 3/1-3/15	$26,472.03	
					$733.48
902553	605-0301-520440-	EMPLOYEE BENEFITS CORP	ADMIN FEES	$733.48	
			DEPARTMENT 0301 TOTAL:	$471,080.13	

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
Department 0501	**FINANCE ADMIN**				
					$697.47
	101-0501-522020-	IL GFOA	DUES	$100.00	
	101-0501-522020-	NIGP INSTITUTE FOR PUBLIC PROCUREMENT	DUES	$195.00	
	101-0501-522030-	GOVERNMENT FINANCE OFFICERS ASSOC	TRAINING	$95.00	
	101-0501-522030-	GOVERNMENT FINANCE OFFICERS ASSOC	TRAINING	$95.00	
	101-0501-522700-	APPLE STORE	CLOUD STORAGE	$0.99	
	101-0501-530050-	SPIRAL BINDING LLC	OFFICE SUPPLIES	$211.48	
					$107.06
311299	101-0501-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$16.89	
311299	101-0501-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$30.18	
311299	101-0501-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$59.99	
					$35.54
311338	101-0501-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	$35.54	
					$197.84
311347	101-0501-530010-	CHICAGO TRIBUNE	SUBSCRIPTION	$197.84	
					$885.60
311367	101-0501-522010-	DAILY HERALD	ADVERTISING	$91.80	
311367	101-0501-522010-	DAILY HERALD	ADVERTISING	$108.00	
311367	101-0501-522010-	DAILY HERALD	ADVERTISING	$307.80	
311367	101-0501-522010-	DAILY HERALD	ADVERTISING	$378.00	
					$11,132.06
311378	101-0501-520231-	EMS MANAGEMENT & CONSULTANTS, INC	FINANCIAL SERVICES	$11,132.06	

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311404	611-0501-542610-	INTERGOVERNMENTAL RISK MGMT AGENCY	IRMA FEBRUARY 2025	$8,883.73	**$8,883.73**
311466	101-0501-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$152.37	**$396.35**
311466	101-0501-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$243.98	
311486	101-0501-522030-	PETTY CASH	TRAVEL & TRAINING	$69.49	**$166.45**
311486	101-0501-530050-	PETTY CASH	KITCHEN SUPPLIES	$96.96	
311504	505-0501-522100-	SEBIS DIRECT INC	PRINTING SERVICES	$919.01	**$919.01**
311505	101-0501-520050-	SIKICH CPA LLC	PROFESSIONAL SERVICES	$15,000.00	**$15,000.00**
311517	101-0501-530050-	SUMMIT PRINT SOLUTIONS	OFFICE SUPPLIES	$55.00	**$55.00**
902549	505-0501-522050-	SEBIS DIRECT INC	POSTAGE	$4,746.02	**$4,746.02**
			DEPARTMENT 0501 TOTAL:	$43,222.13	

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
Department 0601	**INFORMATION TECHNOLOGY ADMIN**				
					$1,076.86
	625-0601-521655-	JOTFORM, INC	SUBSCRIPTION	$64.50	
	625-0601-521655-	JOTFORM, INC	SUBSCRIPTION	$64.50	
	625-0601-521655-	SIMPLEMDM	SUBSCRIPTION	$149.55	
	625-0601-521655-	CLOUDFLARE	SUBSCRIPTION	$25.00	
	625-0601-522030-	WHICH WICH	MEETING SUPPLIES	$137.69	
	625-0601-522030-	CBT NUGGETS LLC	TRAVEL & TRAINING	$59.00	
	625-0601-522700-	VERIZON WIRELESS	ACCT NUMBER 783066108-00001	$203.24	
	625-0601-522700-	RCN	ACCOUNT NUMBER: 0201-4440770-01.	$65.99	
	625-0601-522700-	RCN	ACCOUNT NUMBER 0201-4111834-01.	$65.99	
	625-0601-522700-	WASABI TECHNOLOGIES, LLC	SUBSCRIPTION	$54.11	
	625-0601-530050-	MONOPRICE INCORPORATED	MISCELLANEOUS SUPPLIES	$24.26	
	625-0601-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$34.29	
	625-0601-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	($36.99)	
	625-0601-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	($45.99)	
	625-0601-550100-	EBAY	OFFICE SUPPLIES	$136.73	
	625-0601-550100-	EBAY	OFFICE SUPPLIES	($58.78)	
	625-0601-550100-	EBAY	EQUIPMENT	$58.78	
	625-0601-550100-	EBAY	EQUIPMENT	$74.99	
					$1,029.33
311299	625-0601-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$39.98	
311299	625-0601-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$145.44	
311299	625-0601-550100-	AMAZON COM CAPITAL SERVICES	OFFICE EQUIPMENT	$222.71	
311299	625-0601-550100-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$23.44	

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
311299	625-0601-550100-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$53.89	
311299	625-0601-550100-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$543.87	
					$457.15
311342	625-0601-550100-	CDS OFFICE TECHNOLOGIES	OFFICE EQUIPMENT	$457.15	
					$16,845.81
311343	625-0601-521655-	CDW GOVERNMENT INC	OFFICE EQUIPMENT	$15,162.00	
311343	625-0601-550100-	CDW GOVERNMENT INC	OFFICE EQUIPMENT	$1,683.81	
					$4,879.88
311355	625-0601-521650-	COMCAST PROCESSING CENTER	ACCT 907065060	$4,879.88	
					$1,295.00
311368	625-0601-550100-	DELL MARKETING LP	OFFICE EQUIPMENT	$1,295.00	
					$25,235.00
311533	625-0601-550100-	VELOSIMO, INC	OFFICE EQUIPMENT	$25,235.00	
			DEPARTMENT 0601 TOTAL:	$50,819.03	

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Department 1008	**BOARDS & COMM FIRE & POL COMM**				
					$1,093.00
311327	101-1008-522010-	BLUE LINE, THE	ADVERTISING	$1,093.00	
			DEPARTMENT 1008 TOTAL:	$1,093.00	

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Department 1018	**BOARDS & COMM SPECIAL EVENTS**				
	515-1018-540550-	AMAZON COM CAPITAL SERVICES	SWING INTO SPRING SUPPLIES	$482.79	**$482.79**
311374	101-1018-540550-	DOUBLETREE HOTEL/BIRCH RIVER GRILL	HEARTS OF GOLD BANQUET SERVICES	$7,743.77	**$7,743.77**
311451	101-1018-540550-	MITCHELL, LAURIE	HEARTS OF GOLD SUPPLY REIMBURSEMENT	$47.99	**$47.99**
311512	101-1018-540550-	STANLEY, KERI	SUPPLIES REIMBURSEMENT	$272.34	**$272.34**
311542	515-1018-540550-	WAY TO GO TROLLEY & BUS RENTAL	TREE LIGHTING EVENT TROLLEY RENTAL	$1,275.00	**$2,550.00**
311542	515-1018-540550-	WAY TO GO TROLLEY & BUS RENTAL	TREE LIGHTING EVENT TROLLEY RENTAL	$1,275.00	
			DEPARTMENT 1018 TOTAL:	$11,096.89	

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Department 1021	**BOARDS & COMM AH ECON ALLNCE**				
					$1,030.00
	101-1021-540400-	METROPOLIS BALLROOM	STATE OF THE VILLAGE BREAKFAST	$1,030.00	
			DEPARTMENT 1021 TOTAL:	$1,030.00	

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Department 2005	**SPECIAL EVENTS METROPOLIS THTR**				
					$20,641.13
311321	515-2005-550550-	AUDIO SUPPLY INC	METROPOLIS EQUIPMENT	$2,666.76	
311321	515-2005-550550-	AUDIO SUPPLY INC	METROPOLIS EQUIPMENT	$17,974.37	
			DEPARTMENT 2005 TOTAL:	$20,641.13	

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Department 3001	**POLICE DEPT ADMIN**				
					$5,521.06
	101-3001-521650-	LIBERTY CLEANERS	PROFESSIONAL SERVICES	$25.00	
	101-3001-521655-	PREZI INC	SOFTWARE	$180.00	
	101-3001-522030-	CODE 3 ASSOCIATES	TRAVEL & TRAINING	$51.00	
	101-3001-522030-	CODE 3 ASSOCIATES	TRAVEL & TRAINING	$51.00	
	101-3001-522030-	HYATT HOTEL	TRAVEL & TRAINING	$123.20	
	101-3001-522030-	LEGAL&LIABILITY RISK MGMT INSTITUTE	TRAVEL & TRAINING	$175.00	
	101-3001-522030-	COMFORT INN & SUITES	TRAVEL & TRAINING	$189.60	
	101-3001-522030-	COMFORT INN & SUITES	TRAVEL & TRAINING	$189.60	
	101-3001-522030-	100 CLUB OF ILLINOIS	TRAVEL & TRAINING	$275.00	
	101-3001-522030-	GLOCK PROFESSIONAL, INC	TRAVEL & TRAINING	$300.00	
	101-3001-522030-	HOLIDAY INN	TRAVEL & TRAINING	$616.00	
	101-3001-522030-	LAW ENFORCEMENT SEMINARS LLC	TRAVEL & TRAINING	$890.00	
	101-3001-522030-	PRYOR LEARNING, LLC	TRAVEL & TRAINING	$1,603.00	
	101-3001-522050-	UPS STORE #1051	POSTAGE	$15.80	
	101-3001-522700-	COMCAST CABLE	DATA FEES	$74.65	
	101-3001-522700-	COMCAST CABLE	MONTHLY FEES	$202.66	
	101-3001-530010-	CHICAGO TRIBUNE-SUB BILLING	SUBSCRIPTION	$14.00	
	101-3001-530050-	GRAINGER W W INC	POLICE EQUIPMENT & SUPPLY	$196.72	
	101-3001-533050-	BIG ANGES EATERY INC	POLICE EQUIPMENT & SUPPLY	$49.92	
	101-3001-533250-	AIRGAS USA LLC	POLICE EQUIPMENT & SUPPLY	$298.91	
					$292.50
311285	101-3001-530350-	MARK TOBER	REIMBURSEMENT	$292.50	

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					$636.06
311290	101-3001-521650-	ACCURATE DOCUMENT DESTRUCTION	SHREDDING SERVICES	$163.02	
311290	101-3001-521650-	ACCURATE DOCUMENT DESTRUCTION	SHREDDING SERVICES	$473.04	
					$23.52
311295	101-3001-533250-	AIRGAS USA LLC	POLICE EQUIPMENT & SUPPLY	$23.52	
					$1,647.54
311296	101-3001-521020-	ALL TRAFFIC SOLUTIONS INC	POLICE EQUIPMENT & SUPPLY	$1,647.54	
					$703.69
311299	101-3001-522030-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$571.70	
311299	101-3001-530050-	AMAZON COM CAPITAL SERVICES	OFFICE EQUIPMENT	$42.99	
311299	101-3001-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$12.00	
311299	101-3001-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$14.12	
311299	101-3001-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$19.89	
311299	101-3001-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$42.99	
					$75.00
311311	101-3001-522020-	ASSOC OF POLICE SOCIAL SERVICES	DUES	$75.00	
					$2,403.00
311320	101-3001-522700-	AT&T MOBILITY NATIONAL ACCOUNTS LLC	CELLULAR FEES	$2,403.00	
					$9,564.98
311323	401-3001-550150-	AXON ENTERPRISE INC	OFFICE EQUIPMENT	$4,184.48	
311323	401-3001-550150-	AXON ENTERPRISE INC	OFFICE EQUIPMENT	$5,380.50	
					$2,625.00
311331	101-3001-521651-	BRIGHTSIDE CLINIC	CARE GRANT	$2,625.00	

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311335	101-3001-521020-	BUNN-O-MATIC CORPORATION	EQUIPMENT MAINTENANCE	$613.06	**$613.06**
311338	101-3001-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	$29.79	**$138.94**
311338	101-3001-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	$109.15	
311350	101-3001-522030-	CHRISTOPHER SEEBACHER	TRAVEL & TRAINING	$54.00	**$54.00**
311359	101-3001-521650-	COMPASSION FUNERAL SERVICES INC	PROFESSIONAL SERVICES	$355.00	**$1,640.00**
311359	101-3001-521650-	COMPASSION FUNERAL SERVICES INC	PROFESSIONAL SERVICES	$355.00	
311359	101-3001-521650-	COMPASSION FUNERAL SERVICES INC	PROFESSIONAL SERVICES	$465.00	
311359	101-3001-521650-	COMPASSION FUNERAL SERVICES INC	PROFESSIONAL SERVICES	$465.00	
311362	101-3001-533050-	CROWN TROPHY	MISCELLANEOUS SUPPLIES	$8.00	**$8.00**
311365	101-3001-521655-	DACRA TECH LLC	PROFESSIONAL SERVICES	$4,473.00	**$4,473.00**
311375	101-3001-530050-	DREAMSEATS, LLC	EQUIPMENT	$9,972.01	**$10,032.01**
311375	401-3001-550100-	DREAMSEATS, LLC	EQUIPMENT	$60.00	
311382	101-3001-520150-	ERNEST R BLOMQUIST PC	LEGAL SERVICES	$4,170.00	**$4,170.00**
311384	101-3001-521650-	EXPERIAN	MISCELLANEOUS SERVICES	$53.20	**$53.20**

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311386	101-3001-533250-	FIELDS OUTDOOR ADVENTURES, LLP	POLICE EQUIPMENT & SUPPLY	$20,860.00	**$20,860.00**
311388	101-3001-530050-	GLOBAL INDUSTRIAL EQUIPMENT CO	OFFICE SUPPLIES	$205.94	**$205.94**
311396	101-3001-521655-	IDI	SOFTWARE FEES	$125.00	**$535.00**
311396	101-3001-521655-	IDI	SOFTWARE FEES	$410.00	
311408	101-3001-522030-	JEANETTE ALKSNIS	TRAVEL AND TRAINING	$299.00	**$299.00**
311410	101-3001-521651-	JG UNIFORMS	CLOTHING & APPAREL	$460.00	**$1,115.70**
311410	101-3001-530350-	JG UNIFORMS	CLOTHING & APPAREL	$29.80	
311410	101-3001-530350-	JG UNIFORMS	CLOTHING & APPAREL	$165.90	
311410	101-3001-533250-	JG UNIFORMS	CLOTHING & APPAREL	$460.00	
311418	101-3001-522030-	KIMBERLEY MUELLER	TRAVEL AND TRAINING	$150.00	**$150.00**
311420	101-3001-522150-	KONICA MINOLTA BUSINESS USA	OFFICE MACHINES & ACCESS	$24.61	**$24.61**
311427	101-3001-521650-	LIVE 4 LALI INC	CARE GRANT	$667.79	**$1,941.25**
311427	101-3001-521650-	LIVE 4 LALI INC	CARE GRANT	$1,273.46	
311434	101-3001-522020-	MCAT	2025 LUNCHEON	$423.00	**$423.00**
					$47.98

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311439	101-3001-530050-	MATTS ACE HARDWARE	OFFICE SUPPLIES	$47.98	
					$134.00
311452	101-3001-533250-	MONICA RAGO	REIMBURSEMENT	$134.00	
					$300.00
311459	101-3001-522030-	NORTH EAST MULTI REGIONAL TRAINING	TRAVEL & TRAINING	$300.00	
					$49,030.65
311461	101-3001-520370-	NORTHWEST CENTRAL DISPATCH SYS	MEMBER ASSESSMENT	$49,030.65	
					$873.52
311466	101-3001-522150-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$154.88	
311466	101-3001-522150-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$425.31	
311466	101-3001-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$44.16	
311466	101-3001-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$49.78	
311466	101-3001-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$96.37	
311466	101-3001-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$103.02	
					$1,756.83
311487	101-3001-522020-	PETTY CASH/POLICE	TRAVEL & TRAINING	$60.00	
311487	101-3001-522030-	PETTY CASH/POLICE	RENTAL VEHICLE	$1,666.75	
311487	101-3001-533050-	PETTY CASH/POLICE	MEETING SUPPLIES	$21.29	
311487	101-3001-533050-	PETTY CASH/POLICE	MISCELLANEOUS SUPPLIES	$8.79	
					$499.00
311489	101-3001-522030-	POLICE GRANT WRITING LLC	TRAVEL & TRAINING	$499.00	
					$120.00
311501	101-3001-522020-	SARA JAYES	REIMBURSEMENT	$120.00	
					$54.00

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311503	101-3001-522030-	SEAN O'BRIEN	TRAVEL AND TRAINING	$54.00	
311514	101-3001-530350-	STEVE KLOPACK	CLOTHING & APPAREL	$160.00	**$160.00**
311517	101-3001-522100-	SUMMIT PRINT SOLUTIONS	PRINTING SERVICES	$588.00	**$588.00**
311540	101-3001-521650-	WALGREEN COMPANY	MISCELLANEOUS SUPPLIES	$62.38	**$62.38**
			DEPARTMENT 3001 TOTAL:	$123,855.42	

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Department 3003	**POLICE DEPT CRIMINAL INVEST**				
					$1,185.00
	231-3003-540010-	IMPACT DOG CRATES	K9 SUPPLIES	$735.00	
	231-3003-540110-	INTL NARCOTIC INTERDICTION ASSOC	TRAVEL & TRAINING	$450.00	
					$970.91
311482	231-3003-540010-	PARTNERS & PAWS VETERINARY SERVICES	K9 SERVICES	$248.76	
311482	231-3003-540010-	PARTNERS & PAWS VETERINARY SERVICES	K9 SERVICES	$253.60	
311482	231-3003-540010-	PARTNERS & PAWS VETERINARY SERVICES	K9 SERVICES	$468.55	
					$285.85
311485	231-3003-540010-	PET PROS	K9 SUPPLIES	$98.33	
311485	231-3003-540010-	PET PROS	K9 SUPPLIES	$187.52	
					$132.00
311526	231-3003-540010-	TOPS IN DOG TRAINING CORP	K9 SERVICES	$132.00	
					$2,431.02
311538	231-3003-540010-	VETERINARY SPECIALTY CENTER	K9 SERVICES	$49.00	
311538	231-3003-540010-	VETERINARY SPECIALTY CENTER	K9 SERVICES	$49.00	
311538	231-3003-540010-	VETERINARY SPECIALTY CENTER	K9 SERVICES	$49.00	
311538	231-3003-540010-	VETERINARY SPECIALTY CENTER	K9 SERVICES	$64.50	
311538	231-3003-540010-	VETERINARY SPECIALTY CENTER	K9 SERVICES	$139.00	
311538	231-3003-540010-	VETERINARY SPECIALTY CENTER	K9 SERVICES	$480.51	
311538	231-3003-540010-	VETERINARY SPECIALTY CENTER	K9 SERVICES	$1,600.01	
			DEPARTMENT 3003 TOTAL:	$5,004.78	

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
Department 3501	**FIRE ADMIN**				
					$6,405.61
	101-3501-521655-	CANVA PRO	OFFICE EQUPMENT	$119.99	
	101-3501-522030-	NORTHEASTERN IL PUBLIC SAFETY	TRAVEL & TRAINING	$1,640.00	
	101-3501-522030-	EXPEDIA	TRAVEL & TRAINING	$547.22	
	101-3501-522030-	IMAGE TREND CONNECT	TRAVEL & TRAINING	$948.00	
	101-3501-522030-	IL FIRE CHIEFS ASSOC	TRAVEL & TRAINING	$525.00	
	101-3501-522030-	INTERSPIRO	TRAVEL & TRAINING	$350.00	
	101-3501-522050-	UPS STORE #1051	SHIPPING FEES	$29.49	
	101-3501-531650-	STICKERCUTTING	OFFICE SUPPLIES	$95.00	
	101-3501-533500-	SENSORONICS INCORPORATED	MEDICAL SUPPLIES	$1,145.00	
	401-3501-550150-	FIRE SUPPLY DEPOT	NEW AMBULANCE EQUIPMENT	$167.80	
	401-3501-550150-	MAGNETIC MIC	NEW AMBULANCE EQUIPMENT	$838.11	
					$126.49
311299	101-3501-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$20.46	
311299	101-3501-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$21.98	
311299	101-3501-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$24.06	
311299	101-3501-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$59.99	
					$115.64
311338	101-3501-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	$12.21	
311338	101-3501-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	$103.43	
					$3,838.00
311341	401-3501-550150-	CDS OFFICE TECHNOLOGIES	NEW AMBULANCE EQUIPMENT	$3,838.00	
					$732.00
311368	401-3501-550100-	DELL MARKETING LP	OFFICE EQUIPMENT	$732.00	

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311370	401-3501-550150-	DINGES FIRE COMPANY	NEW SQUAD EQUIPMENT	$1,332.45	**$1,332.45**
311380	101-3501-521020-	EQUIPMENT MANAGEMENT CO	EQUIPMENT REPAIR	$764.50	**$764.50**
311401	101-3501-522020-	ILLINOIS FIRE SERVICE ADMINISTRATIVE PROFESSIONALS	DUES	$60.00	**$60.00**
311414	101-3501-522030-	JONES AND BARTLETT LEARNING LLC	TRAVEL & TRAINING	$80.96	**$80.96**
311443	101-3501-521020-	MES SERVICE COMPANY, LLC	EQUIPMENT MAINTENANCE	$104.35	**$327.31**
311443	101-3501-531850-	MES SERVICE COMPANY, LLC	SMALL TOOLS	$222.96	
311461	101-3501-520370-	NORTHWEST CENTRAL DISPATCH SYS	MEMBER ASSESSMENT	$16,343.55	**$16,343.55**
311466	101-3501-530050-	ODP BUSINESS SOLUTIONS	BOOKS	$7.44	**$413.69**
311466	101-3501-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$50.79	
311466	101-3501-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$272.97	
311466	101-3501-532800-	ODP BUSINESS SOLUTIONS	BOOKS	$82.49	
311484	101-3501-531650-	PENNCARE	FIRE EQUIPMENT & SUPPLY	$250.56	**$250.56**
311497	101-3501-522030-	ROMEOVILLE FIRE DEPARTMENT	TRAVEL & TRAINING	$4,100.00	**$4,100.00**
311516	101-3501-522030-	STRUCTURAL TECHNOLOGIES, INC.	TRAVEL & TRAINING	$1,975.00	**$1,975.00**

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					$96.00
311517	101-3501-522100-	SUMMIT PRINT SOLUTIONS	PRINTING SERVICES	$96.00	
					$2,073.90
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$16.00	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$42.95	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$56.95	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$74.95	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$75.95	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$84.95	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$89.95	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$99.90	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$115.95	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$115.95	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$119.95	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$119.95	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$119.95	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$119.95	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$119.95	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$157.90	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$218.95	
311523	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	$323.80	
					$625.93
311532	101-3501-522030-	VASICEK, SCOTT	REIMBURSEMENT	$625.93	
					$1,137.07
311548	101-3501-531850-	WS DARLEY & CO	FIRE EQUIPMENT & SUPPLY	($351.96)	

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311548	101-3501-531850-	WS DARLEY & CO	SMALL TOOLS	$155.23	
311548	101-3501-531850-	WS DARLEY & CO	SMALL TOOLS	$411.53	
311548	401-3501-550150-	WS DARLEY & CO	NEW AMBULANCE EQUIPMENT	$491.26	
311548	401-3501-550150-	WS DARLEY & CO	VEHICLE EQUIPMENT	$431.01	
					$811.00
311551	101-3501-521110-	ZEP MANUFACTURING CO	JANITORIAL SUPPLIES	$811.00	
			DEPARTMENT 3501 TOTAL:	$41,609.66	

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Department 3701	**FOREIGN FIRE INSURANCE ADMIN**				
311292	227-3701-522030-	ADAM HOEFLICH	TUITION REIMBURSEMENT	$1,412.77	**$1,412.77**
311299	227-3701-550150-	AMAZON COM CAPITAL SERVICES	KITCHEN SUPPLIES	$89.99	**$89.99**
311322	227-3701-530350-	AXE HEAD THREADS, LLC	CLOTHING & APPAREL	$4,309.00	**$4,309.00**
311361	227-3701-550150-	CONWAY SHIELD, INC.	FIRE EQUIPMENT & SUPPLY	$2,400.00	**$2,400.00**
311369	227-3701-530350-	DICK POND ATHLETICS, INC	CLOTHING & APPAREL	$15,220.51	**$15,220.51**
311416	227-3701-522030-	JOSHUA CARDIN	TUITION REIMBURSEMENT	$63.92	**$63.92**
311421	227-3701-521650-	KUHN STUART J	REIMBURSEMENT	$2,000.00	**$2,000.00**
311425	227-3701-521650-	LIMBERS, SCOTT	REIMBURSEMENT	$2,000.00	**$2,000.00**
311428	227-3701-521650-	LOFTUS, RYAN	REIMBURSEMENT	$2,000.00	**$2,000.00**
311433	227-3701-550150-	MACQUEEN EMERGENCY GROUP	FIRE EQUIPMENT & SUPPLY	$6,786.91	**$6,786.91**
311438	227-3701-522030-	MATTHEW YEGGE	TUITION REIMBURSEMENT	$500.00	**$500.00**
					$370.73

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311454	227-3701-522030-	MORAN, MARTIN	REIMBURSEMENT	$370.73	
					$1,512.56
311481	227-3701-522030-	PARKER, SEBASTIAN	TUITION REIMBURSEMENT	$1,512.56	
					$2,000.00
311539	227-3701-521650-	VOLZ JOHN E	REIMBURSEMENT	$2,000.00	
			DEPARTMENT 3701 TOTAL:	$40,666.39	

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Department 4001	**PLANNING PLANNING**				
					$202.51
	101-4001-530050-	AMAZON COM CAPITAL SERVICES	OFFICE EQUIPMENT	$24.03	
	101-4001-530050-	AMAZON COM CAPITAL SERVICES	OFFICE EQUIPMENT	($31.49)	
	101-4001-530350-	BRANDING TOUCHPOINT / IPROMOTE U	CLOTHING & APPAREL	$209.97	
					$24,794.39
311286	225-4001-540430-	BITTER & SWEET COCKTAIL BOUTIQUE	SMALL BUSINESS ZERO INTEREST LOAN	$24,794.39	
					$15.19
311338	101-4001-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	$15.19	
					$4,000.00
311360	101-4001-540400-	CONWAY DATA	ADVERTISING	$4,000.00	
					$874.80
311367	101-4001-522010-	DAILY HERALD	ADVERTISING	$348.30	
311367	101-4001-522010-	DAILY HERALD	ADVERTISING	$526.50	
					$555.00
311385	101-4001-540410-	FASTSIGNS	PRINTING SERVICES	$555.00	
					$2,500.00
311390	101-4001-540400-	GROUP C MEDIA INC	ADVERTISING	$2,500.00	
					$695.00
311423	101-4001-521650-	LEGRAND REPORTING & VIDEO SERVICES	TRANSCRIBING SERVICES	$192.00	
311423	101-4001-521650-	LEGRAND REPORTING & VIDEO SERVICES	TRANSCRIBING SERVICES	$226.00	
311423	101-4001-521650-	LEGRAND REPORTING & VIDEO SERVICES	TRANSCRIBING SERVICES	$277.00	
					$1,500.00

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311460	101-4001-540400-	NORTHERN IL REAL ESTATE MGZN	ADVERTISING	$1,500.00	
					$48,102.07
311531	401-4001-550300-	V3 COMPANIES, LTD	PROFESSIONAL SERVICES	$10,541.25	
311531	401-4001-550300-	V3 COMPANIES, LTD	PROFESSIONAL SERVICES	$18,022.82	
311531	401-4001-550300-	V3 COMPANIES, LTD	PROFESSIONAL SERVICES	$19,538.00	
					$3,161.53
902554	401-4001-550100-	HENRICKSEN & COMPANY INC	OFFICE EQUIPMENT	$3,161.53	
					$112.50
902557	267-4001-520050-	ELROD FRIEDMAN LLP	JAN 2025 LEGAL SERVICES	$112.50	
			DEPARTMENT 4001 TOTAL:	$86,512.99	

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Department 4101	**COMMUNITY DEVL BLK GRNTADMIN**				
					$85.00
311346	215-4101-541010-	CHICAGO TITLE COMPANY LLC	PROFESSIONAL SERVICES	$85.00	
			DEPARTMENT 4101 TOTAL:	$85.00	

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Department 4501	**BUILDING ADMIN**				
					$4,163.80
	101-4501-522030-	SUBURBAN BLDG OFFICALS CONFER	TRAVEL & TRAINING	$1,050.00	
	101-4501-522030-	SUBURBAN BLDG OFFICALS CONFER	TRAVEL & TRAINING	$1,050.00	
	101-4501-522030-	SUBURBAN BLDG OFFICALS CONFER	TRAVEL & TRAINING	$600.00	
	101-4501-522030-	SONYA SHEARER CONSULTING SRVICES LLC	TRAVEL & TRAINING	$1,000.00	
	101-4501-522030-	TORTORICE'S PIZZERIA	TRAVEL & TRAINING	$121.75	
	101-4501-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$18.91	
	101-4501-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$23.80	
	101-4501-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$168.78	
	101-4501-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$176.58	
	101-4501-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$42.27	
	101-4501-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	($88.29)	
					$28.87
311338	101-4501-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	$28.87	
					$11.33
311466	101-4501-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$11.33	
					$2,295.00
311521	101-4501-520050-	THOMPSON ELEVATOR INSPECTION	PROFESSIONAL SERVICES	$35.00	
311521	101-4501-520050-	THOMPSON ELEVATOR INSPECTION	PROFESSIONAL SERVICES	$35.00	
311521	101-4501-520050-	THOMPSON ELEVATOR INSPECTION	PROFESSIONAL SERVICES	$70.00	
311521	101-4501-520050-	THOMPSON ELEVATOR INSPECTION	PROFESSIONAL SERVICES	$105.00	
311521	101-4501-520050-	THOMPSON ELEVATOR INSPECTION	PROFESSIONAL SERVICES	$2,050.00	

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311535	101-4501-522700-	VERIZON WIRELESS	ACCT 54209747800002	$396.11	**$396.11**
311536	101-4501-522700-	VERIZON WIRELESS	ACCT 54209747800001	$564.15	**$564.15**
			DEPARTMENT 4501 TOTAL:	$7,459.26	

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Department 7001	**HEALTH ADMIN**				
					$639.97
	101-7001-521650-	INTERFAX	OFFICE EQUIPMENT	$9.95	
	101-7001-522020-	CLIA LABORATORY PROGRAM	TRAVEL & TRAINING	$248.00	
	101-7001-522030-	NORTHWEST COMMUNITY HEALTHCARE	TRAVEL & TRAINING	$100.00	
	101-7001-522100-	FASTSIGNS	OFFICE SUPPLIES	$25.00	
	101-7001-530010-	CSPI/NUTRITION ACTION	SUBSCRIPTION	$29.99	
	101-7001-533100-	NORTHWEST COMMUNITY HEALTHCARE	TRAVEL & TRAINING	$210.00	
	101-7001-540530-	LYFT	RIDE FOR RESIDENT.	$17.03	
					$301.39
311299	101-7001-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$25.99	
311299	101-7001-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$55.50	
311299	101-7001-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$219.90	
					$1,653.00
311305	101-7001-520250-	ARLINGTON CENTER FOR RECOVERY	COUNSELING SUBSIDY	$684.00	
311305	101-7001-520250-	ARLINGTON CENTER FOR RECOVERY	COUNSELING SUBSIDY	$969.00	
					$2,935.51
311308	101-7001-541160-	ARLINGTON HTS PARK DISTRICT	CAP SCHOLARSHIP	$2,935.51	
					$15.01
311338	101-7001-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	$15.01	
					$347.34
311364	101-7001-521655-	CUSTOM DATA PROCESSING	OFFICE EQUIPMENT	$347.34	
					$100.00

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311424	101-7001-520250-	LEMKE, SHERRY	COUNSELING SUBSIDY	$100.00	
					$126.87
311466	101-7001-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$11.13	
311466	101-7001-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$115.74	
					$130.00
311513	101-7001-522020-	STAPLETON, STACY SHEIN	PROFESSIONAL SERVICES	$130.00	
					$873.00
311517	101-7001-522100-	SUMMIT PRINT SOLUTIONS	PRINTING SERVICES	$873.00	
					$5,375.88
902554	401-7001-550100-	HENRICKSEN & COMPANY INC	OFFICE EQUIPMENT	$5,375.88	
			DEPARTMENT 7001 TOTAL:	$12,497.97	

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Department 7007	**HEALTH SENIOR SERVICES**				
					$1,140.48
	101-7007-521650-	VOLGISTICS INC	OFFICE EQUIPMENT	$61.00	
	101-7007-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$14.18	
	101-7007-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$14.99	
	101-7007-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$19.79	
	101-7007-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$20.47	
	101-7007-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$67.87	
	101-7007-531650-	AMAZON COM CAPITAL SERVICES	CAFE SUPPLIES	$9.74	
	101-7007-531650-	AMAZON COM CAPITAL SERVICES	CAFE SUPPLIES	$39.19	
	101-7007-531650-	AMAZON COM CAPITAL SERVICES	CAFE SUPPLIES	$44.53	
	101-7007-531650-	SAMS CLUB	CAFE SUPPLIES	$79.24	
	101-7007-531650-	AMAZON COM CAPITAL SERVICES	CAFE SUPPLIES	$104.28	
	101-7007-540160-	BEVERLY LANES	PROGRAM DEPOSIT	$40.00	
	101-7007-540160-	MEIJER'S	PROGRAM SUPPLIES	$34.91	
	101-7007-540160-	CENTRAL CONTINENTAL BAKERY	PROGRAM SUPPLIES	$387.40	
	101-7007-540160-	WALGREEN COMPANY	PROGRAM SUPPLIES	$40.00	
	101-7007-540160-	TORTORICE'S PIZZERIA	PROGRAM SUPPLIES	$149.90	
	101-7007-540160-	AMAZON COM CAPITAL SERVICES	PROGRAM SUPPLIES	$12.99	
					$93.50
311300	101-7007-522400-	AMERICAN TAXI	TAXI SUBSIDY	$93.50	
					$180.00
311328	101-7007-540160-	BLUE LOTUS BUDDHIST TEMPLE	PROGRAM INSTRUCTOR FEE	$180.00	
					$60.42
311338	101-7007-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	$60.42	

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					$300.00
311417	101-7007-540160-	JRMEDIA GROUP, LLC	PROGRAM INSTRUCTOR FEE	$300.00	
			DEPARTMENT 7007 TOTAL:	$1,774.40	

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Department 7101	**PUBLIC WORKS ADMIN**				
					$2,948.09
	101-7101-522020-	IL DEPT OF TRANSPORTATION	DUES	$71.58	
	101-7101-522020-	APWA ILLINOIS PUBLIC SERVICE	DUES	$245.00	
	101-7101-522030-	THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOI	TRAVEL & TRAINING	$150.00	
	101-7101-522030-	THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOI	TRAVEL & TRAINING	$150.00	
	101-7101-522030-	IOWA STATE UNIVERSITY	TRAVEL & TRAINING	$250.00	
	101-7101-522030-	THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOI	TRAVEL & TRAINING	$250.00	
	101-7101-522030-	INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION	TRAVEL & TRAINING	$350.00	
	101-7101-522030-	THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOI	TRAVEL & TRAINING	$450.00	
	101-7101-522030-	APWA ILLINOIS PUBLIC SERVICE	TRAVEL & TRAINING	$645.00	
	101-7101-531650-	MARIANO'S	BEREAVEMENT FLOWERS	$21.25	
	101-7101-531650-	GORDON FOOD SERVICE	EVENT SUPPLIES	$79.43	
	101-7101-531650-	NORTHWEST DONUTS INC	MEETING SUPPLIES	$27.31	
	101-7101-531650-	PANERA	MEETING SUPPLIES	$30.35	
	101-7101-531650-	PEQUOD	MEETING SUPPLIES	$185.29	
	101-7101-531650-	WALMART	MEETING SUPPLIES	$42.88	
					$1,425.00
311287	101-7101-521020-	A & D PROCLEAN	EQUIPMENT MAINTENANCE	$375.00	
311287	101-7101-521020-	A & D PROCLEAN	EQUIPMENT MAINTENANCE	$1,050.00	
					$64.90
311288	101-7101-530050-	A & E RUBBER STAMP CORP	OFFICE SUPPLIES	$64.90	
					$13,071.40

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311291	101-7101-531550-	ACTIVE ELECTRICAL SUPPLY CO	BUILDING MAINTENANCE SUPPLY	$2,590.00	
311291	101-7101-531750-	ACTIVE ELECTRICAL SUPPLY CO	STREET LIGHTING SUPPLIES	$8,601.02	
311291	101-7101-531750-	ACTIVE ELECTRICAL SUPPLY CO	STREET SUPPLIES	$1,880.38	
					$373.05
311293	101-7101-531550-	ADDISON BUILDING MATERIAL CO	BUILDING MAINTENANCE SUPPLY	$373.05	
					$3,665.83
311299	101-7101-531550-	AMAZON COM CAPITAL SERVICES	BUILDING MAINTENANCE SUPPLY	$402.93	
311299	101-7101-531550-	AMAZON COM CAPITAL SERVICES	BUILDING MAINTENANCE SUPPLY	$2,763.53	
311299	101-7101-531550-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$31.98	
311299	101-7101-531650-	AMAZON COM CAPITAL SERVICES	OFFICE EQUIPMENT	$43.78	
311299	101-7101-531650-	AMAZON COM CAPITAL SERVICES	OFFICE EQUIPMENT	$63.00	
311299	101-7101-531700-	AMAZON COM CAPITAL SERVICES	TRAFFIC SIGNAL SUPPLIES	$249.99	
311299	101-7101-531850-	AMAZON COM CAPITAL SERVICES	SMALL TOLLS AND EQUIPMENT	$24.99	
311299	101-7101-531850-	AMAZON COM CAPITAL SERVICES	SMALL TOLLS AND EQUIPMENT	$27.95	
311299	101-7101-531850-	AMAZON COM CAPITAL SERVICES	SMALL TOLLS AND EQUIPMENT	$27.95	
311299	101-7101-531850-	AMAZON COM CAPITAL SERVICES	SMALL TOLLS AND EQUIPMENT	$29.73	
					$1,065.00
311301	101-7101-531800-	AMERICAN TRAFFIC SAFETY MATERIALS	STREET SUPPLIES	$1,065.00	
					$15,000.00
311302	235-7101-550250-	ANDERSON ELEVATOR COMPANY	SERVICE BUILDING MAINTENANCE	$15,000.00	
					$285.00
311303	101-7101-521020-	AQUALAB WATER TREATMENT INC	EQUIPMENT MAINTENANCE	$285.00	
					$3,220.00
311304	101-7101-521020-	ARCO MECHANICAL EQUIPMENT SALES	EQUIPMENT MAINTENANCE	$1,180.00	

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311304	101-7101-521020-	ARCO MECHANICAL EQUIPMENT SALES	EQUIPMENT MAINTENANCE	$2,040.00	
					$888.90
311310	101-7101-521360-	ARLINGTON RENTAL INC	EQUIPMENT RENTAL	$888.90	
					$783.35
311313	101-7101-522700-	AT & T	ACCT 8310010146347	$783.35	
					$1,581.95
311314	101-7101-522700-	AT & T	ACCT 8310010134261	$1,581.95	
					$1,204.79
311315	101-7101-522700-	AT & T	ACCT 84759060006156	$1,204.79	
					$2,037.41
311316	101-7101-522700-	AT & T	ACCT 84725331203952	$2,037.41	
					$783.35
311317	101-7101-522700-	AT & T	ACCT 8310010146347	$783.35	
					$1,160.22
311318	101-7101-522700-	AT & T	ACCT 8310010134261	$1,160.22	
					$2,120.18
311319	101-7101-522700-	AT & T	ACCT 217S667106106	$2,120.18	
					$9,673.50
311325	101-7101-520050-	BAXTER & WOODMAN	PROFESSIONAL SERVICES	$9,673.50	
					$16,106.25
311326	401-7101-550300-	BLA, INC	PROFESSIONAL SERVICES	$5,040.11	
311326	401-7101-550300-	BLA, INC	PROFESSIONAL SERVICES	$11,066.14	
					$50.00
311329	101-7101-522020-	BONIFAZI ROBERT A	REIMBURSEMENT	$50.00	

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					$2,284.70
311330	101-7101-530350-	BRANDING TOUCHPOINT / IPROMOTE U	CLOTHING & APPAREL	$2,284.70	
					$141.88
311338	101-7101-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	$7.22	
311338	101-7101-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	$134.66	
					$32,927.41
311349	101-7101-520050-	CHRISTOPHER B BURKE LTD	PROFESSIONAL SERVICES	$18,937.50	
311349	101-7101-521550-	CHRISTOPHER B BURKE LTD	PROFESSIONAL SERVICES	$285.00	
311349	401-7101-550300-	CHRISTOPHER B BURKE LTD	PROFESSIONAL SERVICES	$11,338.66	
311349	426-7101-550250-	CHRISTOPHER B BURKE LTD	PROFESSIONAL SERVICES	$2,366.25	
					$10,245.25
311351	426-7101-550250-	CIORBA GROUP, INC	PROFESSIONAL SERVICES	$10,245.25	
					$176.35
311354	101-7101-522700-	COMCAST CABLE	ACCT 8771100721360921	$176.35	
					$4,300.00
311356	101-7101-521020-	COMMERCIAL/RESIDENTIAL FINISHES	SERVICE BUILDING MAINTENANCE	$4,300.00	
					$54,131.25
311358	101-7101-531900-	COMPASS MINERALS AMERICA	STREET SUPPLIES	$18,537.33	
311358	101-7101-531900-	COMPASS MINERALS AMERICA	STREET SUPPLIES	$35,593.92	
					$35,400.00
311363	101-7101-521110-	CRYSTAL MAINTENANCE & MGMT SRVS	CLEANING SERVICES	$16,810.00	
311363	101-7101-521110-	CRYSTAL MAINTENANCE & MGMT SRVS	CLEANING SERVICES	$16,810.00	
311363	101-7101-521110-	CRYSTAL MAINTENANCE & MGMT SRVS	SERVICE BUILDING MAINTENANCE	$1,780.00	

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					$97,760.25
311373	401-7101-550300-	DOLAND ENGINEERING, LLC	PROFESSIONAL SERVICES	$45,080.50	
311373	401-7101-550300-	DOLAND ENGINEERING, LLC	PROFESSIONAL SERVICES	$52,679.75	
					$4,461.00
311377	101-7101-531650-	EDUCATION & OUTREACH COMPANY	MISCELLANEOUS SUPPLIES	$4,461.00	
					$21,407.53
311379	426-7101-550250-	ENGINEERING RESOURCE ASSOCIATES	PROFESSIONAL SERVICES	$21,407.53	
					$1,128.75
311383	101-7101-521020-	ESSCOE LLC	EQUIPMENT MAINTENANCE	$1,128.75	
					$14,640.16
311387	401-7101-550150-	GENCOMM	EQUIPMENT MAINTENANCE	$14,640.16	
					$7,257.58
311389	101-7101-531550-	GRAINGER W W INC	BUILDING MAINTENANCE SUPPLY	$19.99	
311389	101-7101-531550-	GRAINGER W W INC	BUILDING MAINTENANCE SUPPLY	$28.42	
311389	101-7101-531550-	GRAINGER W W INC	BUILDING MAINTENANCE SUPPLY	$32.08	
311389	101-7101-531550-	GRAINGER W W INC	BUILDING MAINTENANCE SUPPLY	$36.81	
311389	101-7101-531550-	GRAINGER W W INC	BUILDING MAINTENANCE SUPPLY	$56.84	
311389	101-7101-531550-	GRAINGER W W INC	BUILDING MAINTENANCE SUPPLY	$166.91	
311389	101-7101-531550-	GRAINGER W W INC	BUILDING MAINTENANCE SUPPLY	$189.00	
311389	101-7101-531550-	GRAINGER W W INC	BUILDING MAINTENANCE SUPPLY	$426.96	
311389	101-7101-531550-	GRAINGER W W INC	BUILDING MAINTENANCE SUPPLY	$610.31	
311389	101-7101-531550-	GRAINGER W W INC	BUILDING MAINTENANCE SUPPLY	$1,768.98	
311389	101-7101-531550-	GRAINGER W W INC	BUILDING MAINTENANCE SUPPLY	$3,411.00	
311389	101-7101-531650-	GRAINGER W W INC	MISCELLANEOUS SUPPLIES	$510.28	

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					$6,162.55
311391	101-7101-521020-	HASTINGS AIR ENERGY CONTROL	EQUIPMENT MAINTENANCE	$1,635.75	
311391	101-7101-521020-	HASTINGS AIR ENERGY CONTROL	EQUIPMENT MAINTENANCE	$2,115.00	
311391	101-7101-521020-	HASTINGS AIR ENERGY CONTROL	EQUIPMENT MAINTENANCE	$2,411.80	
					$14,000.50
311392	101-7101-521020-	HAYES MECHANICAL	SERVICE BUILDING MAINTENANCE	$942.50	
311392	101-7101-521020-	HAYES MECHANICAL	SERVICE BUILDING MAINTENANCE	$1,504.00	
311392	101-7101-521020-	HAYES MECHANICAL	SERVICE BUILDING MAINTENANCE	$1,745.00	
311392	101-7101-521020-	HAYES MECHANICAL	SERVICE BUILDING MAINTENANCE	$2,743.75	
311392	101-7101-521020-	HAYES MECHANICAL	SERVICE BUILDING MAINTENANCE	$2,916.75	
311392	101-7101-521020-	HAYES MECHANICAL	SERVICE BUILDING MAINTENANCE	$4,148.50	
					$6,930.00
311403	101-7101-531900-	INDUSTRIAL SYSTEMS LTD	STREET AND SIDEWALK SUPPLY	$3,465.00	
311403	101-7101-531900-	INDUSTRIAL SYSTEMS LTD	STREET AND SIDEWALK SUPPLY	$3,465.00	
					$525.00
311405	101-7101-521110-	INTL EXTERMINATORS INC	SERVICE BUILDING MAINTENANCE	$60.00	
311405	101-7101-521110-	INTL EXTERMINATORS INC	SERVICE BUILDING MAINTENANCE	$65.00	
311405	101-7101-521110-	INTL EXTERMINATORS INC	SERVICE BUILDING MAINTENANCE	$88.00	
311405	101-7101-521110-	INTL EXTERMINATORS INC	SERVICE BUILDING MAINTENANCE	$88.00	
311405	101-7101-521110-	INTL EXTERMINATORS INC	SERVICE BUILDING MAINTENANCE	$104.00	
311405	101-7101-521110-	INTL EXTERMINATORS INC	SERVICE BUILDING MAINTENANCE	$120.00	
					$300.00
311406	101-7101-521655-	JAMAR TECHNOLOGIES INC	OFFICE EQUIPMENT	$300.00	
					$374.88
311407	101-7101-531550-	JC LICHT	BUILDING MAINTENANCE SUPPLY	$10.77	

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311407	101-7101-531650-	JC LICHT	MISCELLANEOUS SUPPLIES	$50.99	
311407	101-7101-531850-	JC LICHT	SMALL TOOLS AND EQUIPMENT	$313.12	
					$1,045.21
311412	101-7101-521020-	JOHNSON CONTROLS SECURITY SOLUTIONS	EQUIPMENT MAINTENANCE	$78.00	
311412	101-7101-521020-	JOHNSON CONTROLS SECURITY SOLUTIONS	EQUIPMENT MAINTENANCE	$78.00	
311412	101-7101-521020-	JOHNSON CONTROLS SECURITY SOLUTIONS	EQUIPMENT MAINTENANCE	$78.00	
311412	101-7101-521020-	JOHNSON CONTROLS SECURITY SOLUTIONS	EQUIPMENT MAINTENANCE	$78.00	
311412	101-7101-521020-	JOHNSON CONTROLS SECURITY SOLUTIONS	EQUIPMENT MAINTENANCE	$78.00	
311412	101-7101-521020-	JOHNSON CONTROLS SECURITY SOLUTIONS	EQUIPMENT MAINTENANCE	$78.00	
311412	101-7101-521020-	JOHNSON CONTROLS SECURITY SOLUTIONS	EQUIPMENT MAINTENANCE	$78.00	
311412	101-7101-521020-	JOHNSON CONTROLS SECURITY SOLUTIONS	EQUIPMENT MAINTENANCE	$78.00	
311412	101-7101-521020-	JOHNSON CONTROLS SECURITY SOLUTIONS	EQUIPMENT MAINTENANCE	$343.21	
					$19.00
311415	101-7101-522030-	JOSEPH MUNNO	TRAVEL AND TRAINING	$19.00	
					$8,198.71
311419	101-7101-521110-	KONECRANES, INC	SERVICE BUILDING MAINTENANCE	$346.78	
311419	101-7101-521110-	KONECRANES, INC	SERVICE BUILDING MAINTENANCE	$885.00	
311419	101-7101-521110-	KONECRANES, INC	SERVICE BUILDING MAINTENANCE	$900.00	
311419	101-7101-521110-	KONECRANES, INC	SERVICE BUILDING MAINTENANCE	$965.00	
311419	101-7101-521110-	KONECRANES, INC	SERVICE BUILDING MAINTENANCE	$5,101.93	
					$79.95

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311426	101-7101-531650-	LINDA FOSTER	KITCHEN SUPPLIES	$79.95	
					$853.67
311431	101-7101-531550-	LOWES COMMERCIAL SERVICES	BUILDING MAINTENANCE SUPPLY	$18.98	
311431	101-7101-531550-	LOWES COMMERCIAL SERVICES	BUILDING MAINTENANCE SUPPLY	$22.76	
311431	101-7101-531550-	LOWES COMMERCIAL SERVICES	BUILDING MAINTENANCE SUPPLY	$28.46	
311431	101-7101-531550-	LOWES COMMERCIAL SERVICES	BUILDING MAINTENANCE SUPPLY	$28.48	
311431	101-7101-531550-	LOWES COMMERCIAL SERVICES	BUILDING MAINTENANCE SUPPLY	$54.86	
311431	101-7101-531550-	LOWES COMMERCIAL SERVICES	BUILDING MAINTENANCE SUPPLY	$82.61	
311431	101-7101-531550-	LOWES COMMERCIAL SERVICES	BUILDING MAINTENANCE SUPPLY	$90.72	
311431	101-7101-531550-	LOWES COMMERCIAL SERVICES	BUILDING MAINTENANCE SUPPLY	$106.04	
311431	101-7101-531650-	LOWES COMMERCIAL SERVICES	MISCELLANEOUS SUPPLIES	$30.36	
311431	101-7101-531650-	LOWES COMMERCIAL SERVICES	MISCELLANEOUS SUPPLIES	$53.18	
311431	101-7101-531650-	LOWES COMMERCIAL SERVICES	MISCELLANEOUS SUPPLIES	$234.10	
311431	101-7101-531800-	LOWES COMMERCIAL SERVICES	STREET SUPPLIES	$8.14	
311431	101-7101-531800-	LOWES COMMERCIAL SERVICES	STREET SUPPLIES	$94.98	
					$228.93
311439	101-7101-531400-	MATTS ACE HARDWARE	AGRICULTURAL SUPPLIES	$55.97	
311439	101-7101-531550-	MATTS ACE HARDWARE	BUILDING MAINTENANCE SUPPLY	$10.99	
311439	101-7101-531550-	MATTS ACE HARDWARE	BUILDING MAINTENANCE SUPPLY	$12.97	
311439	101-7101-531650-	MATTS ACE HARDWARE	MISCELLANEOUS SUPPLIES	$11.99	
311439	101-7101-531650-	MATTS ACE HARDWARE	MISCELLANEOUS SUPPLIES	$53.04	
311439	101-7101-531850-	MATTS ACE HARDWARE	SMALL TOOLS & EQUIPMENT	$35.99	
311439	101-7101-531850-	MATTS ACE HARDWARE	SMALL TOOLS & EQUIPMENT	$47.98	
					$893.60
311441	101-7101-521010-	MEADE ELECTRIC CO INC	TRAFFIC SIGNAL MAINTENANCE	$178.72	

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311441	101-7101-521010-	MEADE ELECTRIC CO INC	TRAFFIC SIGNAL MAINTENANCE	$178.72	
311441	101-7101-521010-	MEADE ELECTRIC CO INC	TRAFFIC SIGNAL MAINTENANCE	$178.72	
311441	101-7101-521010-	MEADE ELECTRIC CO INC	TRAFFIC SIGNAL MAINTENANCE	$178.72	
311441	101-7101-521010-	MEADE ELECTRIC CO INC	TRAFFIC SIGNAL MAINTENANCE	$178.72	
					$919.16
311444	101-7101-521110-	METRO DOOR AND DOCK	SERVICE BUILDING MAINTENANCE	$919.16	
					$2,408.00
311445	101-7101-521020-	MID AMERICAN ELEVATOR CO INC	SERVICE BUILDING MAINTENANCE	$2,408.00	
					$2,879.16
311450	101-7101-520050-	MIOVISION TECHNOLOGIES	PROFESSIONAL SERVICES	$2,879.16	
					$5,713.70
311463	101-7101-531550-	NORTHWEST ELECTRICAL SUPPLY CO	BUILDING MAINTENANCE SUPPLY	$550.52	
311463	101-7101-531550-	NORTHWEST ELECTRICAL SUPPLY CO	BUILDING MAINTENANCE SUPPLY	$1,432.81	
311463	101-7101-531550-	NORTHWEST ELECTRICAL SUPPLY CO	BUILDING MAINTENANCE SUPPLY	$2,985.03	
311463	101-7101-531550-	NORTHWEST ELECTRICAL SUPPLY CO	BUILDING SUPPLIES	$369.23	
311463	101-7101-531750-	NORTHWEST ELECTRICAL SUPPLY CO	STREET SUPPLIES	$376.11	
					$35.90
311466	101-7101-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$4.83	
311466	101-7101-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$31.07	
					$41,360.24
311467	101-7101-530390-	OFFEN PETROLEUM LLC	FUEL	$20,290.58	
311467	101-7101-530390-	OFFEN PETROLEUM LLC	FUEL	$21,069.66	
					$775.00

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311476	401-7101-550300-	PIOTR ZBROINSKI	RESIDENT REIMBURSEMENT	$775.00	
311477	401-7101-550300-	STEVE PRISBY	RESIDENT REIMBURSEMENT	$470.24	**$470.24**
311486	101-7101-531650-	PETTY CASH	KITCHEN SUPPLIES	$52.46	**$52.46**
311488	101-7101-522020-	PITTER, CONRAD	REIMBURSEMENT	$50.00	**$50.00**
311490	101-7101-531650-	PRO SAFETY INC	MISCELLANEOUS SUPPLIES	$339.30	**$339.30**
311492	101-7101-530350-	RED WING BUSINESS ADVANTAGE ACCT	CLOTHING & APPAREL	$800.00	**$800.00**
311494	101-7101-520050-	RITTER GIS	OFFICE EQUIPMENT	$2,826.25	**$2,826.25**
311498	101-7101-521110-	ROSCOE COMPANY	SERVICE BUILDING MAINTENANCE	$68.00	**$1,144.77**
311498	101-7101-521110-	ROSCOE COMPANY	SERVICE BUILDING MAINTENANCE	$99.48	
311498	101-7101-521110-	ROSCOE COMPANY	SERVICE BUILDING MAINTENANCE	$100.21	
311498	101-7101-521110-	ROSCOE COMPANY	SERVICE BUILDING MAINTENANCE	$148.56	
311498	101-7101-521110-	ROSCOE COMPANY	SERVICE BUILDING MAINTENANCE	$217.30	
311498	101-7101-521110-	ROSCOE COMPANY	SERVICE BUILDING MAINTENANCE	$225.00	
311498	101-7101-521110-	ROSCOE COMPANY	SERVICE BUILDING MAINTENANCE	$286.22	
311499	101-7101-531850-	ROUTE 12 RENTAL CO INC	SMALL TOOLS AND EQUIPMENT	$8.64	**$8.64**
					$72.73

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311506	101-7101-522700-	SOUND INCORPORATED	PHONE SERVICES	$72.73	
					$1,963.28
311508	101-7101-531550-	SOUTH SIDE CONTROL SUPPLY CO.	BUILDING MAINTENANCE SUPPLY	$99.65	
311508	101-7101-531550-	SOUTH SIDE CONTROL SUPPLY CO.	SERVICE BUILDING MAINTENANCE	$44.68	
311508	101-7101-531550-	SOUTH SIDE CONTROL SUPPLY CO.	SERVICE BUILDING MAINTENANCE	$1,818.95	
					$17.41
311511	101-7101-531550-	STANDARD PIPE & SUPPLY INC	BUILDING MAINTENANCE SUPPLY	$17.41	
					$2,400.00
311515	101-7101-521020-	STONE GROUP	EQUIPMENT MAINTENANCE	$2,400.00	
					$50.00
311517	101-7101-522100-	SUMMIT PRINT SOLUTIONS	PRINTING SERVICES	$50.00	
					$557.50
311522	101-7101-521110-	TIMS GLASS AND MIRROR INC	SERVICE BUILDING MAINTENANCE	$557.50	
					$39.03
311524	101-7101-522030-	TOMMY SAKKOS	TRAVEL AND TRAINING	$39.03	
					$855.00
311525	101-7101-521020-	TOPCON SOLUTIONS INC	EQUIPMENT MAINTENANCE	$855.00	
					$6,962.53
311527	101-7101-531450-	ULINE INC	JANITORIAL SUPPLIES	$825.13	
311527	101-7101-531450-	ULINE INC	JANITORIAL SUPPLIES	$4,394.33	
311527	101-7101-531550-	ULINE INC	BUILDING MAINTENANCE SUPPLY	$241.35	
311527	401-7101-550100-	ULINE INC	OFFICE EQUIPMENT	$1,501.72	
					$132.95
311534	101-7101-522700-	VERIZON WIRELESS	ACCT 64202486400001	$132.95	
					$503.78

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311552	101-7101-530350-	ZORO TOOLS INC	CLOTHING & APPAREL	$455.22	
311552	101-7101-531850-	ZORO TOOLS INC	SMALL TOOLS AND EQUIPMENT	$48.56	
					$1,083.44
802472	101-7101-522700-	AT & T	ACCT 84779713213488	$58.74	
802472	101-7101-522700-	AT & T	ACCT 84725961248940	$58.74	
802472	101-7101-522700-	AT & T	ACCT 84739271083278	$59.28	
802472	101-7101-522700-	AT & T	ACCT 84739893361501	$60.24	
802472	101-7101-522700-	AT & T	ACCT 84739208661733	$61.07	
802472	101-7101-522700-	AT & T	ACCT 84759391411742	$64.64	
802472	101-7101-522700-	AT & T	ACCT 84739893901330	$64.64	
802472	101-7101-522700-	AT & T	ACCT 84757754536603	$88.58	
802472	101-7101-522700-	AT & T	ACCT 84743978686650	$117.48	
802472	101-7101-522700-	AT & T	ACCT 84725334382001	$120.48	
802472	101-7101-522700-	AT & T	ACCT 84757757951551	$329.55	
					$12,784.04
802473	101-7101-521500-	COMMONWEALTH EDISON COMPANY	ACCT 3895240100	$27.68	
802473	101-7101-521500-	COMMONWEALTH EDISON COMPANY	ACCT 1483465000	$178.11	
802473	101-7101-521500-	COMMONWEALTH EDISON COMPANY	ACCT 2318364000	$415.05	
802473	101-7101-521500-	COMMONWEALTH EDISON COMPANY	ACCT 7397572000	$420.74	
802473	101-7101-521500-	COMMONWEALTH EDISON COMPANY	ACCT 4858204000	$435.72	
802473	101-7101-521500-	COMMONWEALTH EDISON COMPANY	ACCT 6437571222	$544.22	
802473	101-7101-521500-	COMMONWEALTH EDISON COMPANY	ACCT 8017024000	$1,165.03	
802473	101-7101-521500-	COMMONWEALTH EDISON	ACCT 4410867000	$9,597.49	

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
		COMPANY			
					$798.98
802475	101-7101-521500-	NICOR	ACCT 94830700004	$798.98	
					$4,262.31
902554	401-7101-550100-	HENRICKSEN & COMPANY INC	OFFICE EQUIPMENT	$4,262.31	
			DEPARTMENT 7101 TOTAL:	$495,648.08	

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
Department 7201	**WATER AND SEWER ADMIN**				
					$551.66
	505-7201-521650-	APPLE STORE	DATA PLAN	$0.99	
	505-7201-522030-	AMERICAN WATER WORKS ASSN	TRAVEL & TRAINING	$450.00	
	505-7201-531650-	MARIANO'S	BEREAVEMENT FLOWERS	$21.25	
	505-7201-531650-	GORDON FOOD SERVICE	EVENT SUPPLIES	$79.42	
					$1,573.80
311289	505-7201-531650-	ABBOTT RUBBER CO INC	MISCELLANEOUS SUPPLIES	$1,573.80	
					$2,526.00
311294	505-7201-530350-	AIR ONE EQUIPMENT	CLOTHING & APPAREL	$2,526.00	
					$7,992.22
311297	505-7201-521350-	ALPINE SAP, INC.	METER SERVICES	$250.00	
311297	505-7201-521350-	ALPINE SAP, INC.	METER SERVICES	$750.00	
311297	505-7201-521350-	ALPINE SAP, INC.	METER SERVICES	$2,692.22	
311297	505-7201-521350-	ALPINE SAP, INC.	METER SERVICES	$4,300.00	
					$500.29
311299	505-7201-530050-	AMAZON COM CAPITAL SERVICES	OFFICE EQUIPMENT	$239.99	
311299	505-7201-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	($132.45)	
311299	505-7201-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$69.99	
311299	505-7201-531650-	AMAZON COM CAPITAL SERVICES	MISCELLANEOUS SUPPLIES	$12.49	
311299	505-7201-531650-	AMAZON COM CAPITAL SERVICES	MISCELLANEOUS SUPPLIES	$19.99	
311299	505-7201-531650-	AMAZON COM CAPITAL SERVICES	MISCELLANEOUS SUPPLIES	$25.38	
311299	505-7201-531650-	AMAZON COM CAPITAL SERVICES	MISCELLANEOUS SUPPLIES	$41.98	
311299	505-7201-531650-	AMAZON COM CAPITAL SERVICES	OFFICE EQUIPMENT	$63.00	
311299	505-7201-531650-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$15.99	

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311299	505-7201-531650-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	$62.07	
311299	505-7201-531850-	AMAZON COM CAPITAL SERVICES	SMALL TOLLS AND EQUIPMENT	$81.86	
					$131.08
311309	505-7201-531650-	ARLINGTON POWER EQUIPMENT	MISCELLANEOUS SUPPLIES	$131.08	
					$10,264.80
311324	505-7201-521350-	BAVCO	METER SERVICES	$608.00	
311324	505-7201-531020-	BAVCO	METER SUPPLIES	$4,092.00	
311324	505-7201-531020-	BAVCO	METER SUPPLIES	$5,564.80	
					$11,747.50
311333	505-7201-531900-	BUILDERS ASPHALT LLC	STREET SUPPLIES	$4,268.75	
311333	505-7201-531900-	BUILDERS ASPHALT LLC	STREET SUPPLIES	$7,478.75	
					$7,100.00
311336	505-7201-550150-	BURNS MCDONNELL	EQUIPMENT MAINTENANCE	$7,100.00	
					$21,943.57
311337	505-7201-521360-	C C CARTAGE INC	DISPOSAL SERVICES	$12,241.52	
311337	505-7201-521620-	C C CARTAGE INC	DISPOSAL SERVICES	$4,387.48	
311337	505-7201-531900-	C C CARTAGE INC	DISPOSAL SERVICES	$5,314.57	
					$32.18
311357	505-7201-521500-	COMMONWEALTH EDISON COMPANY	ACCT 3582102111	$32.18	
					$91,170.00
311366	505-7201-550150-	DAHME MECHANICAL INDUSTRIES	SERVICE BUILDING MAINTENANCE	$91,170.00	
					$639.19
311371	505-7201-521500-	DIRECT ENERGY BUSINESS MARKETING LLC	ACCT 1806640	$639.19	
					$1,333.78

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311372	505-7201-521500-	DIRECT ENERGY BUSINESS MARKETING LLC	ACCT 1806639	$1,333.78	
					$310.50
311381	505-7201-522030-	ERIC BROWN	TRAVEL AND TRAINING	$310.50	
					$260.75
311389	505-7201-531850-	GRAINGER W W INC	SMALL TOOLS & EQUIPMENT	$260.75	
					$43,184.28
311393	505-7201-521350-	HBK WATER METER SERVICE INC	METER SERVICES	$20,212.10	
311393	505-7201-531020-	HBK WATER METER SERVICE INC	METER SERVICES	$19,329.21	
311393	505-7201-531020-	HBK WATER METER SERVICE INC	METER SUPPLIES	$3,642.97	
					$29.64
311395	505-7201-531650-	IDEXX DISTRIBUTION INC	MISCELLANEOUS SUPPLIES	$29.64	
					$310.50
311409	505-7201-522030-	JEREMY PIEPER	TRAVEL AND TRAINING	$310.50	
					$310.50
311411	505-7201-522030-	JOHN PREUCIL	TRAVEL AND TRAINING	$310.50	
					$99.00
311413	505-7201-550200-	JON-DON INC	BUILDING IMPROVEMENTS	$99.00	
					$8,202.05
311419	505-7201-521110-	KONECRANES, INC	SERVICE BUILDING MAINTENANCE	$885.00	
311419	505-7201-521110-	KONECRANES, INC	SERVICE BUILDING MAINTENANCE	$885.00	
311419	505-7201-521110-	KONECRANES, INC	SERVICE BUILDING MAINTENANCE	$885.00	
311419	505-7201-521110-	KONECRANES, INC	SERVICE BUILDING MAINTENANCE	$885.00	
311419	505-7201-521110-	KONECRANES, INC	SERVICE BUILDING MAINTENANCE	$900.00	
311419	505-7201-521110-	KONECRANES, INC	SERVICE BUILDING MAINTENANCE	$900.00	

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311419	505-7201-521110-	KONECRANES, INC	SERVICE BUILDING MAINTENANCE	$900.00	
311419	505-7201-521110-	KONECRANES, INC	SERVICE BUILDING MAINTENANCE	$900.00	
311419	505-7201-521110-	KONECRANES, INC	SERVICE BUILDING MAINTENANCE	$1,062.05	
					$287.60
311431	505-7201-531550-	LOWES COMMERCIAL SERVICES	BUILDING MAINTENANCE SUPPLY	$11.38	
311431	505-7201-531550-	LOWES COMMERCIAL SERVICES	BUILDING MAINTENANCE SUPPLY	$23.73	
311431	505-7201-531850-	LOWES COMMERCIAL SERVICES	SMALL TOOLS & EQUIPMENT	$29.48	
311431	505-7201-531850-	LOWES COMMERCIAL SERVICES	SMALL TOOLS AND EQUIPMENT	$13.26	
311431	505-7201-531850-	LOWES COMMERCIAL SERVICES	SMALL TOOLS AND EQUIPMENT	$38.89	
311431	505-7201-531850-	LOWES COMMERCIAL SERVICES	SMALL TOOLS AND EQUIPMENT	$42.73	
311431	505-7201-531850-	LOWES COMMERCIAL SERVICES	STREET SUPPLIES	$128.13	
					$553.90
311437	505-7201-522030-	MATT BERKOWITZ	TRAVEL AND TRAINING	$23.40	
311437	505-7201-522030-	MATT BERKOWITZ	TRAVEL AND TRAINING	$330.50	
311437	505-7201-530350-	MATT BERKOWITZ	REIMBURSEMENT	$200.00	
					$998.46
311439	505-7201-531850-	MATTS ACE HARDWARE	SMALL TOOLS & EQUIPMENT	$52.99	
311439	505-7201-531850-	MATTS ACE HARDWARE	SMALL TOOLS & EQUIPMENT	$65.94	
311439	505-7201-531850-	MATTS ACE HARDWARE	SMALL TOOLS & EQUIPMENT	$780.98	
311439	505-7201-550200-	MATTS ACE HARDWARE	BUILDING MAINTENANCE SUPPLY	$14.59	
311439	505-7201-550200-	MATTS ACE HARDWARE	BUILDING MAINTENANCE SUPPLY	$35.99	
311439	505-7201-550200-	MATTS ACE HARDWARE	BUILDING MAINTENANCE SUPPLY	$47.97	
					$8,913.60
311446	505-7201-531010-	MID AMERICAN WATER	WATER SUPPLIES	$1,580.00	
311446	505-7201-531010-	MID AMERICAN WATER	WATER SUPPLIES	$2,730.00	

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311446	505-7201-531010-	MID AMERICAN WATER	WATER SUPPLIES	$1,896.00	
311446	505-7201-531010-	MID AMERICAN WATER	WATER SUPPLIES	$2,707.60	
					$51,106.80
311447	506-7201-550150-	MID-AMERICAN WATER	WATER SUPPLIES	$10,675.10	
311447	506-7201-550150-	MID-AMERICAN WATER	WATER SUPPLY	$40,431.70	
					$12,758.84
311448	505-7201-531020-	MIDWEST METER INC	METER SUPPLIES	$12,758.84	
					$310.50
311449	505-7201-522030-	MIKE IGNOFFO	TRAVEL AND TRAINING	$310.50	
					$580.00
311455	505-7201-531550-	MORTON GROVE AUTOMOTIVE WEST	BUILDING MAINTENANCE SUPPLY	$495.00	
311455	505-7201-550150-	MORTON GROVE AUTOMOTIVE WEST	EQUIPMENT	$85.00	
					$165.00
311457	505-7201-531550-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$165.00	
					$551.38
311466	505-7201-550100-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	$551.38	
					$339.30
311490	505-7201-531650-	PRO SAFETY INC	MISCELLANEOUS SUPPLIES	$339.30	
					$400.00
311492	505-7201-530350-	RED WING BUSINESS ADVANTAGE ACCT	CLOTHING & APPAREL	$200.00	
311492	505-7201-530350-	RED WING BUSINESS ADVANTAGE ACCT	CLOTHING & APPAREL	$200.00	
					$2,826.25
311494	505-7201-520050-	RITTER GIS	OFFICE EQUIPMENT	$2,826.25	

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311495	505-7201-520050-	RJN GROUP INC	PROFESSIONAL SERVICES	$6,560.00	**$6,560.00**
311502	505-7201-531050-	SCC PUMPS, INC.	PUMPING SUPPLIES	$149.82	**$149.82**
311511	505-7201-531020-	STANDARD PIPE & SUPPLY INC	METER SUPPLIES	$662.62	**$662.62**
311520	505-7201-531020-	TEST GAUGE INC	METER SUPPLIES	$1,668.35	**$1,668.35**
311527	505-7201-531650-	ULINE INC	MISCELLANEOUS SUPPLIES	$376.18	**$966.31**
311527	505-7201-550100-	ULINE INC	OFFICE EQUIPMENT	$590.13	
311537	505-7201-522030-	VERONICA TREVINO	TRAVEL AND TRAINING	$962.60	**$962.60**
311541	505-7201-531010-	WATER PRODUCTS COMPANY OF AURORA, INC.	WATER SUPPLIES	$1,759.19	**$1,759.19**
311549	505-7201-522030-	ZACHARY TAYLOR	TRAVEL AND TRAINING	$310.50	**$310.50**
311552	505-7201-530350-	ZORO TOOLS INC	CLOTHING & APPAREL	$455.22	**$455.22**
802472	505-7201-522700-	AT & T	ACCT 84743746858567	$58.74	**$178.10**
802472	505-7201-522700-	AT & T	ACCT 84743746842777	$58.74	
802472	505-7201-522700-	AT & T	ACCT 84725301748135	$60.62	
					$3,111.85

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802473	505-7201-521500-	COMMONWEALTH EDISON COMPANY	ACCT 0766943000	$40.10	
802473	505-7201-521500-	COMMONWEALTH EDISON COMPANY	ACCT 0085022222	$75.08	
802473	505-7201-521500-	COMMONWEALTH EDISON COMPANY	ACCT 6652766000	$81.67	
802473	505-7201-521500-	COMMONWEALTH EDISON COMPANY	ACCT 2471022222	$112.15	
802473	505-7201-521500-	COMMONWEALTH EDISON COMPANY	ACCT 4873432222	$123.48	
802473	505-7201-521500-	COMMONWEALTH EDISON COMPANY	ACCT 8275568111	$150.97	
802473	505-7201-521500-	COMMONWEALTH EDISON COMPANY	ACCT 6000042222	$199.04	
802473	505-7201-521500-	COMMONWEALTH EDISON COMPANY	ACCT 1624693000	$329.20	
802473	505-7201-521500-	COMMONWEALTH EDISON COMPANY	ACCT 7839129000	$430.60	
802473	505-7201-521500-	COMMONWEALTH EDISON COMPANY	ACCT 8556642222	$1,569.56	
					$4,097.40
802474	505-7201-521500-	CONSTELLATION NEW ENERGY INC	ACCT 1050214	$1,895.64	
802474	505-7201-521500-	CONSTELLATION NEW ENERGY INC	ACCT 1050216	$2,201.76	
					$579.54
802475	505-7201-521500-	NICOR	ACCT 05850400002	$106.85	
802475	505-7201-521500-	NICOR	ACCT 16797600000	$157.73	
802475	505-7201-521500-	NICOR	ACCT 76830700001	$314.96	
			DEPARTMENT 7201 TOTAL:	$311,466.42	

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Department 7301	**PARKING ADMIN**				
					$419.16
311376	235-7301-521110-	ECO CLEAN MAINTENANCE INC	SERVICE BUILDING MAINTENANCE	$419.16	
					$83.78
802473	235-7301-521500-	COMMONWEALTH EDISON COMPANY	ACCT 9730174000	$27.28	
802473	235-7301-521500-	COMMONWEALTH EDISON COMPANY	ACCT 8899825000	$56.50	
			DEPARTMENT 7301 TOTAL:	$502.94	

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
Department 7302	**PARKING VAIL ST. GARAGE OPER**				
311376	235-7302-521110-	ECO CLEAN MAINTENANCE INC	SERVICE BUILDING MAINTENANCE	$1,327.34	**$1,327.34**
802472	235-7302-521500-	AT & T	ACCT 84725309782425	$245.23	**$245.23**
			DEPARTMENT 7302 TOTAL:	$1,572.57	

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
Department 7303	**PARKING NORTH GARAGE OPER**				
311376	235-7303-521110-	ECO CLEAN MAINTENANCE INC	SERVICE BUILDING MAINTENANCE	$1,327.34	**$1,327.34**
802472	235-7303-521500-	AT & T	ACCT 84763200281737	$239.79	**$239.79**
			DEPARTMENT 7303 TOTAL:	$1,567.13	

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Department 7304	**PARKING EVERGREEN ST GAR OPER**				
311304	235-7304-521020-	ARCO MECHANICAL EQUIPMENT SALES	EQUIPMENT MAINTENANCE	$1,650.00	**$1,650.00**
311376	235-7304-521110-	ECO CLEAN MAINTENANCE INC	SERVICE BUILDING MAINTENANCE	$419.16	**$419.16**
			DEPARTMENT 7304 TOTAL:	$2,069.16	

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Department 7501	**MUNICIPAL FLEET SVCS ADMIN**				
					$199.80
	621-7501-521070-	ILLINOIS TOLLWAY	IPASS ACCOUNT RELOAD	$40.00	
	621-7501-521070-	ILLINOIS TOLLWAY	TOLLS	$1.90	
	621-7501-521070-	ILLINOIS TOLLWAY	TOLLS	$12.20	
	621-7501-521070-	ILLINOIS TOLLWAY	TOLLS	$19.60	
	621-7501-521070-	ILLINOIS TOLLWAY	TOLLS	$29.60	
	621-7501-521070-	ILLINOIS TOLLWAY	TOLLS	$30.40	
	621-7501-522020-	ASE BLUE SEAL RECOGNITION PROGAM	DUES	$65.00	
	621-7501-531650-	ILLINOIS TOLLWAY	TOLLS	$1.10	
					$285.00
311298	621-7501-531510-	ALTORFER INDUSTRIES	VEH MAINTENANCE SUPPLY	$22.30	
311298	621-7501-531510-	ALTORFER INDUSTRIES	VEH MAINTENANCE SUPPLY	$262.70	
					$265.83
311299	621-7501-531500-	AMAZON COM CAPITAL SERVICES	VEH MAINTENANCE SUPPLY	$89.95	
311299	621-7501-531500-	AMAZON COM CAPITAL SERVICES	VEH MAINTENANCE SUPPLY	$128.90	
311299	621-7501-531650-	AMAZON COM CAPITAL SERVICES	MISCELLANEOUS SUPPLIES	$32.99	
311299	621-7501-531650-	AMAZON COM CAPITAL SERVICES	OFFICE EQUIPMENT	$13.99	
					$933.42
311307	621-7501-521070-	ARLINGTON HTS FORD	EQUIPMENT MAINTENANCE	$419.90	
311307	621-7501-521070-	ARLINGTON HTS FORD	VEH MAINTENANCE SERVICE	($220.00)	
311307	621-7501-531510-	ARLINGTON HTS FORD	VEH MAINTENANCE SUPPLY	($100.00)	
311307	621-7501-531510-	ARLINGTON HTS FORD	VEH MAINTENANCE SUPPLY	$38.55	
311307	621-7501-531510-	ARLINGTON HTS FORD	VEH MAINTENANCE SUPPLY	$146.32	

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311307	621-7501-531510-	ARLINGTON HTS FORD	VEH MAINTENANCE SUPPLY	$213.81	
311307	621-7501-531510-	ARLINGTON HTS FORD	VEH MAINTENANCE SUPPLY	$434.84	
					$49.65
311332	621-7501-531510-	BRISTOL HOSE & FITTING INC	VEH MAINTENANCE SUPPLY	$49.65	
					$671.55
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	($148.95)	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$4.41	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$6.10	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$6.10	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$10.05	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$16.40	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$16.40	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$17.45	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$25.37	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$29.25	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$36.70	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$44.90	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$55.59	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$59.40	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$71.50	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$78.95	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$148.95	
311334	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	$192.98	
					$80.00
311340	621-7501-521070-	CASSIDY TIRE & SERVICE	EQUIPMENT MAINTENANCE	$80.00	

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					$1,137.45
311345	621-7501-531510-	CHICAGO PARTS AND SOUND LLC	VEH MAINTENANCE SUPPLY	($22.00)	
311345	621-7501-531510-	CHICAGO PARTS AND SOUND LLC	VEH MAINTENANCE SUPPLY	($11.00)	
311345	621-7501-531510-	CHICAGO PARTS AND SOUND LLC	VEH MAINTENANCE SUPPLY	$564.81	
311345	621-7501-531510-	CHICAGO PARTS AND SOUND LLC	VEH MAINTENANCE SUPPLY	$605.64	
					$900.00
311348	621-7501-521020-	CHRIS THIELSEN, INC	EQUIPMENT MAINTENANCE	$900.00	
					$92.89
311352	621-7501-521360-	CITY WELDING SALES & SERVICE	EQUIPMENT RENTAL	$92.89	
					$48.52
311389	621-7501-531850-	GRAINGER W W INC	SMALL TOOLS & EQUIPMENT	$48.52	
					$633.20
311394	621-7501-531510-	HENDERSON PRODUCTS INC	VEH MAINTENANCE SUPPLY	$633.20	
					$165.00
311397	621-7501-521070-	IL SECRETARY OF STATE	VEHICLE REGISTRATION	$165.00	
					$165.00
311398	621-7501-521070-	IL SECRETARY OF STATE	VEHICLE REGISTRATION	$165.00	
					$151.00
311399	621-7501-521070-	IL SECRETARY OF STATE	VEHICLE REGISTRATION	$151.00	
					$2,556.40
311429	621-7501-531510-	LORCHEM TECHNOLOGIES INC	VEH MAINTENANCE SUPPLY	$2,556.40	
					$1,768.35
311433	621-7501-521070-	MACQUEEN EMERGENCY GROUP	EQUIPMENT MAINTENANCE	$200.00	
311433	621-7501-531510-	MACQUEEN EMERGENCY GROUP	VEH MAINTENANCE SUPPLY	$117.91	
311433	621-7501-531510-	MACQUEEN EMERGENCY GROUP	VEH MAINTENANCE SUPPLY	$288.64	

VILLAGE OF ARLINGTON HEIGHTS
WARRANT REGISTER
CHECK DATE: 3/30/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
311433	621-7501-531510-	MACQUEEN EMERGENCY GROUP	VEH MAINTENANCE SUPPLY	$1,161.80	
					$1,357.60
311436	621-7501-531510-	MASTER HITCH INC	VEH MAINTENANCE SUPPLY	$12.80	
311436	621-7501-531510-	MASTER HITCH INC	VEH MAINTENANCE SUPPLY	$1,344.80	
					$14.89
311439	621-7501-531510-	MATTS ACE HARDWARE	VEH MAINTENANCE SUPPLY	$3.99	
311439	621-7501-531510-	MATTS ACE HARDWARE	VEH MAINTENANCE SUPPLY	$10.90	
					$38.12
311440	621-7501-531510-	MC MASTER CARR SUPPLY CO	VEH MAINTENANCE SUPPLY	$38.12	
					$1,043.55
311453	621-7501-531510-	MONROE TRUCK EQUIPMENT	VEH MAINTENANCE SUPPLY	$330.86	
311453	621-7501-531510-	MONROE TRUCK EQUIPMENT	VEH MAINTENANCE SUPPLY	$712.69	
					$2,961.12
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	($129.14)	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	($52.04)	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	($48.48)	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	($19.83)	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$1.84	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$5.33	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$8.62	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$12.78	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$14.03	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$19.83	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$33.86	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$45.11	

VILLAGE OF ARLINGTON HEIGHTS
WARRANT REGISTER
CHECK DATE: 3/30/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$45.34	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$54.51	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$58.62	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$67.86	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$83.29	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$95.40	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$101.06	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$105.45	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$121.80	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$126.56	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$129.14	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$149.45	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$240.04	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$243.60	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$268.69	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$305.00	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$387.42	
311457	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	$485.98	
					$764.74
311464	621-7501-531510-	NORTHWEST FREIGHTLINER	VEH MAINTENANCE SUPPLY	$101.02	
311464	621-7501-531510-	NORTHWEST FREIGHTLINER	VEH MAINTENANCE SUPPLY	$663.72	
					$144.20
311465	621-7501-531510-	O'REILLY AUTO PARTS	VEH MAINTENANCE SUPPLY	$144.20	
					$494.59
311483	621-7501-531510-	PATLIN INC	VEH MAINTENANCE SUPPLY	$34.72	

VILLAGE OF ARLINGTON HEIGHTS

WARRANT REGISTER

CHECK DATE: 3/30/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
311483	621-7501-531510-	PATLIN INC	VEH MAINTENANCE SUPPLY	$459.87	
					$750.33
311493	621-7501-531510-	REGIONAL TRUCK EQUIPMENT CO	VEH MAINTENANCE SUPPLY	$750.33	
					$1,057.06
311496	621-7501-531510-	ROLAND MACHINERY CO	VEH MAINTENANCE SUPPLY	$93.47	
311496	621-7501-531510-	ROLAND MACHINERY CO	VEH MAINTENANCE SUPPLY	$963.59	
					$148.57
311500	621-7501-531510-	RUBBER INC	VEH MAINTENANCE SUPPLY	$148.57	
					$374.20
311507	621-7501-531510-	SOURCE NORTH AMERICA CORP	VEH MAINTENANCE SUPPLY	$374.20	
					$219.95
311509	621-7501-521070-	SPRING ALIGN	EQUIPMENT MAINTENANCE	$219.95	
					$552.89
311510	621-7501-531510-	STANDARD EQUIPMENT CO	VEH MAINTENANCE SUPPLY	$145.30	
311510	621-7501-531510-	STANDARD EQUIPMENT CO	VEH MAINTENANCE SUPPLY	$186.82	
311510	621-7501-531510-	STANDARD EQUIPMENT CO	VEH MAINTENANCE SUPPLY	$220.77	
					$22.30
311518	621-7501-531510-	TERMINAL SUPPLY CO	VEH MAINTENANCE SUPPLY	$22.30	
					$1,096.38
311519	621-7501-521070-	TERRACE SUPPLY CO	EQUIPMENT MAINTENANCE	$1,096.38	
					$522.00
311528	621-7501-531510-	ULTRA STROBE COMMUNICATIONS INC	VEH MAINTENANCE SUPPLY	$522.00	
					$252.92
311529	621-7501-530350-	UNIFIRST CORPORATION	CLOTHING & APPAREL	$72.33	

VILLAGE OF ARLINGTON HEIGHTS
WARRANT REGISTER
CHECK DATE: 3/30/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
311529	621-7501-530350-	UNIFIRST CORPORATION	CLOTHING & APPAREL	$89.03	
311529	621-7501-530350-	UNIFIRST CORPORATION	CLOTHING & APPAREL	$91.56	
					$505.86
311530	621-7501-531510-	US AUTOFORCE	VEH MAINTENANCE SUPPLY	$168.62	
311530	621-7501-531510-	US AUTOFORCE	VEH MAINTENANCE SUPPLY	$337.24	
					$2,688.16
311543	621-7501-531510-	WENTWORTH TIRE SERVICE	VEH MAINTENANCE SUPPLY	$1,175.36	
311543	621-7501-531510-	WENTWORTH TIRE SERVICE	VEH MAINTENANCE SUPPLY	$1,512.80	
					$746.40
311544	621-7501-531510-	WEST SIDE TRACTOR SALES CO	VEH MAINTENANCE SUPPLY	$342.00	
311544	621-7501-531510-	WEST SIDE TRACTOR SALES CO	VEH MAINTENANCE SUPPLY	$404.40	
					$64.54
311545	621-7501-530550-	WEX BANK	FUEL	$64.54	
					$80.00
311546	621-7501-521070-	WILMETTE TRUCK & BUS SALES & SVC	VEH MAINTENANCE SERVICE	$80.00	
					$74.67
311550	621-7501-531510-	ZEIGLER OF SCHAUMBURG	VEH MAINTENANCE SUPPLY	$74.67	
					$1,132.56
311552	621-7501-531510-	ZORO TOOLS INC	VEH MAINTENANCE SUPPLY	$50.84	
311552	621-7501-531510-	ZORO TOOLS INC	VEH MAINTENANCE SUPPLY	$84.75	
311552	621-7501-531510-	ZORO TOOLS INC	VEH MAINTENANCE SUPPLY	$113.36	
311552	621-7501-531510-	ZORO TOOLS INC	VEH MAINTENANCE SUPPLY	$179.51	
311552	621-7501-531510-	ZORO TOOLS INC	VEH MAINTENANCE SUPPLY	$704.10	
			DEPARTMENT 7501 TOTAL:	$27,210.66	

VILLAGE OF ARLINGTON HEIGHTS
WARRANT REGISTER
CHECK DATE: 3/30/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
Department 9001	**CAPITAL ADMIN**				
					$69,441.50
311325	505-9001-550250-	BAXTER & WOODMAN	PROFESSIONAL SERVICES	$237.50	
311325	505-9001-550250-	BAXTER & WOODMAN	PROFESSIONAL SERVICES	$25,204.00	
311325	505-9001-550250-	BAXTER & WOODMAN	PROFESSIONAL SERVICES	$44,000.00	
					$6,978.74
311393	505-9001-550250-	HBK WATER METER SERVICE INC	METER SUPPLY	$6,978.74	
					$238,931.11
311491	505-9001-550250-	PROFESSIONAL METERS, INC	METER SUPPLIES & SERVICES	$238,931.11	
			DEPARTMENT 9001 TOTAL:	$315,351.35	

VILLAGE OF ARLINGTON HEIGHTS

WARRANT REGISTER

CHECK DATE: 3/30/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
Department 9003	**CAPITAL EQUIPMENT**				
					$473,510.00
311422	621-9003-550050-	LDV INC	FIRE RESCUE SQUAD	$473,510.00	
			DEPARTMENT 9003 TOTAL:	$473,510.00	
			WARRANT TOTAL:	**$2,838,780.74**	

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Adoption of an ordinance amending Chapter 13 of the Village Code to increase the number of Class A liquor licenses to 37; increase the number of Class B liquor licenses to 35; and decrease the number of Class AA liquor licenses to 20, and recommendation that the Liquor Commissioner issue one Class A license to Maax Arlington Heights, LLC dba MAAX Asian BBQ & Hot Pots; issue one Class B and one Class T liquor license to Harvest Fresh Market & XO Deli, INC. dba Harvest Fresh Market & XO Deli, INC.; and reclassify the liquor license assigned to Honey Jam Cafe LLX dba Honey-Jam Cafe by issuing one Class A liquor license and removing the current Class AA liquor license

Department:

Item Description:
Ordinance - Code Amendment Chapter 13 - Alcohol Liquor Dealers - increasing Class A liquor licenses from 35 liquor licenses to 37 liquor licenses; decreasing Class AA liquor licenses from 21 liquor licenses to 20 liquor licenses; and increasing Class B liquor licenses from 34 liquor licenses to 35 liquor licenses

1. Increase Class A liquor licenses to facilitate the issuance of a license by the Liquor Commissioner to Maax Arlington Heights, LLC dba MAAX Asian BBQ & Hot Pots located at 222 E. Algonquin Road.
2. Increase Class B liquor licenses to facilitate the issuance of a license by the Liquor Commissioner to Harvest Fresh Market & XO Deli, INC. dba Harvest Fresh Market & XO Deli, INC located at 100 E. Rand Road. Additionally, assign the available Class T liquor license to Harvest Fresh Market & XO Deli, INC. dba Harvest Fresh Market & XO Deli, INC located at 100 E. Rand Road. Due to one Class T liquor license being available, the total number of Class T liquor licenses does not need to increase. Liquor License issuance contingent upon receipt of Certificate of DRAM Shop Insurance.
3. Due to the reclassification request from the Liquor License Holder, increase Class A liquor licenses and decrease Class AA liquor licenses to facilitate a reclassification of a liquor license by the Liquor

Commissioner to Honey Jam Cafe LLX dba Honey-Jam Cafe located at 2944 W. Euclid Avenue.

ATTACHMENTS:

1. Ordinance: Class A increase - Class AA decrease - Class B increase

AN ORDINANCE AMENDING CHAPTER 13 OF THE ARLINGTON HEIGHTS MUNICIPAL CODE

BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: That Section 13-502 of the Arlington Heights Municipal Code, pertaining to the number of liquor licenses, is amended to decrease the number of Class "AA" liquor licenses and to increase the number of Class "A" liquor licenses authorized, with the amended entry for Class "A" and "AA" liquor licenses to read as follows:

CLASS OF LICENSE	ANNUAL LICENSE FEE	NUMBER OF LICENSES AUTHORIZED
A	$3,800.00	37
AA	$4,600.00	20
B	$3,700.00	35

SECTION TWO: This Ordinance shall be in full force and effect from and after its passage and approval in the manner provided by law.

AYES:

NAYS:

PASSED AND APPROVED this 7th day of April, 2025.

_____
Village President

ATTEST:

_____
Village Clerk

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Awarding a Contract for Construction of the 2025 Street Resurfacing and Sidewalk Program
Department: Public Works & Engineering

Item Description:
The 2025 Resurfacing Program includes the resurfacing of approximately 5.2 miles of asphalt streets, including Cedar Street, which qualifies for Community Development Block Grant (CDBG) funding as well as the Across from Police Lot, Across from Fire Lot and Parking Lot "O" across Village Hall.

After a publicly advertised bidding process, proposals for the 2025 Resurfacing and Sidewalk Program were opened on March 12, 2025. Two contractors submitted bids, which were evaluated against the Engineer's Estimate. While the Engineer's Estimate anticipated higher costs, it remains lower than the bids received. Staff research found that similar price increases have been experienced regionally due to rising material and labor costs, which has contributed to the higher bid amounts.

The bid results are as follows:

Bidder	Total Bid
Engineers Estimate	$2,525,382.60
Builders Paving, LLC	$3,298,000.00
R.W. Dunteman Co.	$3,862.025.00

Funding Overview Sufficient funds exist in the budget to support the project despite the winning bid being above the engineer's estimate. Following past practice, other minor line items can be adjusted to keep the project within budget constraints as outlined below:

Funding Source	Budgeted Amount
Road Projects (401-7101-550300, ST9008)	$2,528,000
Sidewalk Program (401-7101-550450, ST9011)	$600,000
CDBG Infrastructure (215-4101-541760)	$70,000
Municipal Parking Lot Improvements (235-7101-550250)	$50,000
Capital Project Fund (401-7101-550200)	$50,000

Total Budgeted Funds: $3,298,000.00

Recommended Contract Amount: $3,298,000.00

Builders Paving, LLC of Hillside, Illinois, submitted the lowest responsible bid and has successfully completing resurfacing projects in the past for the Village. Therefore, staff has no objections to awarding the contract to Builders Paving, LLC.

Pending approval, construction is anticipated to begin as early as April, weather permitting. Updates on the project will be featured on the Village website and incorporated into the 2025 Construction Map for public reference.

RECOMMENDATION:

It is recommended that the Village Board approve the contract award to Builders Paving, LLC for the 2025 Resurfacing and Sidewalk Program in the amount of $3,298,000, as authorized in the attached Resolution and execute the necessary documents.

ATTACHMENTS:

1. 20250407_Resurfacing_Construction_Resolution_and_Attachment

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION APPROVING THE AWARD OF A CONTRACT
FOR CONSTRUCTION OF THE 2025 ANNUAL RESURFACING AND SIDEWALK
PROJECT TO BUILDERS PAVING, LLC OF HILLSIDE, ILLINOIS

WHEREAS, the Village sought bids for the award of a contract for street resurfacing construction in various locations throughout the Village (*"Contract"*); and

WHEREAS, BUILDERS PAVING, LLC of Hillside, Illinois (*"Contractor"*), was the lowest responsible and responsive bidder of the firms that submitted bid packages to the Village for the Contract; and

WHEREAS, the Village President and Board of Trustees have determined that entering into the Contract with Contractor will serve and be in the best interest of the Village and its residents;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF CONTRACT. The Board of Trustees hereby approves the Contract by and between the Village and Contractor, in substantially the form attached to this Resolution as Exhibit A, and in a final form and substance acceptable to the Village Administrator and Village Attorney.

SECTION 3. EXECUTION OF CONTRACT. The Village Manager and the Village Clerk are hereby authorized and directed to execute and attest, on behalf of the Village, the Contract upon receipt by the Village Clerk of at least one original copy of the Contract executed by Contractor; provided, however, that if the executed copy of the Contract is not received by the Village Clerk within 30 days after the effective date of this Resolution, then this authority to execute and attest will, at the option of the President and Board of Trustees, be null and void.

SECTION 4. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

AYES:

NAYS:

PASSED AND APPROVED THIS ___ day of _____, 20__.

_____
Village President

ATTEST:

_____
Village Clerk

Village of Arlington Heights

33 South Arlington Heights Road
Arlington Heights, Illinois 60005
847-368-5000
www.vah.com

NOTICE OF AWARD

Builders Paving, LLC
4401 Roosevelt Road
Hillside, IL 60162

April 7, 2025

Project Description: 2025 Resurfacing and Sidewalk Program

The Village of Arlington Heights has considered the proposal submitted by your Company for the above-described work in response to its INVITATION FOR BIDS opened March 12, 2025.

YOU ARE HEREBY NOTIFIED that your proposal/bid has been accepted by the Village Board on April 7, 2025 for items and services for the amount of**: Three Million Two Hundred Ninety-Eight Thousand Dollars and 00/100ths ($3,298,000.00).**

You are required to execute the Contract Documents and provide necessary Insurance documentation within Fifteen (15) days from the date of this Notice to you.

If you fail to execute said Contract within Fifteen (15) days from the date of this Notice, said Owner will be entitled to consider all your rights arising out of the Owner's acceptance of your proposal as abandoned and the Owner will be entitled to such other rights as may be granted by law. Please return signed contracts to Lisa Subrin.

You are required to return an acknowledged copy of this Notice of award to the Village, with two signed copies of the contract.

Dated this 7th day of April, 2025

Village of Arlington Heights

By: _____

Lisa Subrin, Purchasing Coordinator

Acceptance of Notice

Receipt of the above Notice of Award is acknowledged by Builders Paving, LLC this _____ of April (month), 2025.

By: _____

Title: _____

VILLAGE OF ARLINGTON HEIGHTS
CONTRACT

This Agreement is made and entered into this 7th day of April, 2025, between the Village of Arlington Heights "Village" and Builders Paving, LLC, "Vendor."

In consideration of the mutual benefits that will result to the parties in carrying out the terms of this Agreement, the parties agree as follows:

1. The Vendor agrees to do all the work, furnish all materials and all labor necessary to complete the work in full compliance with all of the terms of this agreement and the proposed specifications and the requirements of the Director under it;
2. The Village agrees to pay the Vendor based on unit prices for completion of the work in accordance with the bid documents;
3. It is understood and agreed that the Bid Documents, Specifications, Addenda, and the Bidder's response are all essential documents for the 2025 Resurfacing and Sidewalk Program Project. They are attached and hereby made part of this agreement.

IN WITNESS WHEREOF, the Parties have executed this Agreement on the date indicated above.

Attest: Village of Arlington Heights

_____ By:_____
Clerk
(Seal) Title: _____

Date:_____

Attest:

Bidder:

By:_____

_____ Title:_____
Notary
(Seal) Date:_____

Subscribed & sworn before me this _____day of _____2025.

VILLAGE OF ARLINGTON HEIGHTS
FINANCE DEPARTMENT, PURCHASING DIVISION
33 S. ARLINGTON HEIGHTS ROAD

BID SPECIFICATIONS AND CONTRACT DOCUMENTS

2025 RESURFACING PROGRAM & SIDEWALK PROGRAM

Required for Use by:	Village of Arlington Heights- Public Works- Engineering
Bid Deposit:	10% of bid
Performance Bond:	100% of bid
Pre-Bid Meeting:	Tuesday, February 25, 2025 at 1:30 PM Engineering Conference Room Village Hall, 2nd Floor
Date and Time Bids Due:	Wednesday, March 12, 2025 at 11:00 AM Finance Department Village Hall, 1st Floor
Date and Time of Bid Opening:	Wednesday, March 12, 2025 at 11:00 AM Commissions Room Village Hall, 2nd Floor
Project Contact:	Tommy Sakkos, P.E., tsakkos@vah.com, 847-368-5254
Purchasing Coordinator:	Lisa Subrin, lsubrin@vah.com, 847-368-5509

In the event bidder cannot submit a bid on the requirements as set forth in the bid documents, he or she should return the bid documents with an explanation as to why he or she is unable to bid on these requirements. Because of the large number of firms listed on the Village's qualified bidder's list, it is necessary to delete from these lists the names of those persons, firms or corporations who fail to respond after having been invited to bid on a commodity or commodities.

BID NOTICE

2025 RESURFACING PROGRAM & SIDEWALK PROGRAM

Sealed proposals will be received by the Village of Arlington Heights, 33 S. Arlington Heights Road, Arlington Heights, Illinois, until Wednesday, March 12, 2025 at 11:00 AM, at which time they will be publicly opened and read.

The **2025 RESURFACING PROGRAM & SIDEWALK PROGRAM** project is to be constructed in 2025. This project shall include the resurfacing of approximately 5.18 miles of bituminous streets within the Village of Arlington Heights and the resurfacing of three Municipal parking lot. This work will include but is not limited to, bituminous surface removal; curb and gutter removal and replacement; sidewalk removal and replacement; bituminous paving; bituminous pavement patching; driveway repair; structure reconstruction; structure adjustments and restoration. The locations for this work are shown in the Contract Documents. This work shall be to the requirements as indicated in the Contract Specifications.

In addition, the CDBG-funded work must comply with the following federal laws and regulations: All work must meet CDBG/HUD requirements. For all designated work on the CDBG locations, bidders shall comply with Executive Order 11246 of September 24, 1965, entitled "Equal Employment Opportunity," as amended by Executive Order 11375 of October 13, 1967, and as supplemented in Department of Labor regulations (41 CFR chapter 60); the Copeland "Anti-Kickback" Act (18 U.S.C. 874) as supplemented in Department of Labor regulations (29 CFR part 3); the Davis-Bacon Act (40 U.S.C. 276a to 276a-7) as supplemented by Department of Labor regulations (29CFRpart 5); Sections 103 and 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327 - 330) as supplemented by Department of Labor regulations (29 CFR part 5); with all applicable standards, orders, or requirements issued under section 306 of the Clean Air Act (42 U.S.C. 1857(h)), section 508 of the Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and Environmental Protection Agency regulations (40 CFR part 15); and mandatory standards and policies relating to energy efficiency which are contained in the Illinois energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub. L. 94-163, 89 Stat. 871).[53 FR 8068, 8087, Mar. 11, 1988, as amended at 60 FR 19639, 19642, Apr. 19, 1995]; Housing and Community Development Act of 1974, as amended and 24 CFT Part 570; 2 CFR Part 200; Section 3 of the Housing and Urban Development Act of 1968, as amended (12 U.S.C. 1701u), and regulations at 24 CFR Part 135; 24 CFR Part 87 New Restrictions on Lobbying; and 24 CFR 570.611 (b) Conflict of Interest.

A Non-Mandatory Pre-Bid Conference will be held **on** Tuesday, February 25, 2025 at 1:30 PM **at Village Hall in the Engineering Conference Room** on the second floor of Village Hall (Village of Arlington Heights, 33 S Arlington Heights Rd, Arlington Heights, IL 60005).

The Affidavit of Availability must be submitted with the proposal, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work.

All proposals or bids offered must be accompanied by a bid security in the amount of 10% of the total bid in the form of a certified check, bid bond or cashier's check made payable to the Village of Arlington Heights. No bids shall be considered unless accompanied by such security.

Bidders shall comply with the Prevailing Wage Rate Act (820 ILCS 130) for the Base Bid, and the CDBG-funded work with the Department of Labor the Davis-Bacon Act wage rate will apply, the IDOT Standard Specifications for Road and Bridge Construction, adopted January 1, 2022, and the IDOT Supplemental Specifications and Recurring Special Provisions, adopted January 1, 2025. Bidders will also be required to comply with the applicable equal employment opportunity provisions.

The Village of Arlington Heights reserves the right to reject any or all proposals, to waive informalities in bidding and to accept the proposal deemed by the Board of Trustees to be the most favorable to the interests of the Village.

Specifications/bid documents may be obtained by contacting Lisa Subrin, Purchasing Coordinator, by email at lsubrin@vah.com

For a list of our current bids, visit our website at www.vah.com.

PRE-BID CONFERENCE

202 RESURFACING PROGRAM & SIDEWALK PROGRAM

A Non-Mandatory pre-bid conference will be held on Wednesday, Tuesday, February 25, 2025 at 1:30 PM at the Village Hall in the Engineering Conference Room, Village of Arlington Heights, 33 S Arlington Heights Rd, Arlington Heights, IL 60005.

Bidder's questions will be responded to at that time only. It is suggested, but not required, that any questions regarding the bid documents be submitted to Tommy Sakkos, P.E., prior to the Pre-Bid Conference in order to allow the Village sufficient time to adequately research and prepare a response for the conference.

ENGINEER:
Tommy Sakkos, P.E.
tsakkos@vah.com
(847) 368-5254

PREQUALIFICATION OF BIDDERS

PREQUALIFICATION OF BIDDERS in accordance with Section 102 of the Standard Specifications will be required for all bidders on this proposal. All bidders must be prequalified by the Illinois Department of Transportation category 003 Hot-Mix Asphalt (HMA) Plant Mix for a minimum of $2,000,000.00.

All asphalt material must come froman IDOTapprovedand prequalified asphalt plant.

VILLAGE OF ARLINGTON HEIGHTS
GENERAL CONDITIONS AND INSTRUCTIONS TO BIDDERS
PUBLIC IMPROVEMENTS/CONSTRUCTION

THE GENERAL TERMS AND CONDITIONS WHICH FOLLOW APPLY TO ALL PURCHASES AND SERVICES AND BECOME A DEFINITE PART OF EACH FORMAL INVITATION TO BID, PURCHASE ORDER, OR CONTRACT ISSUED BY THE VILLAGE OF ARLINGTON HEIGHTS ("VILLAGE"), UNLESS OTHERWISE SPECIFIED. BY SUBMITTING A BID, THE BIDDER AGREES TO BE BOUND BY THESE TERMS AND CONDITIONS. BIDDERS OR THEIR AUTHORIZED REPRESENTATIVES ARE EXPECTED TO FULLY INFORM THEMSELVES OF THE CONDITIONS, REQUIREMENTS, AND SPECIFICATIONS BEFORE SUBMITTING BIDS, FAILURE TO DO SO WILL BE AT THE BIDDER'S OWN RISK AND WILL NOT SECURE RELIEF ON THE PLEA OF ERROR.

1.01 PREPARATION OF PROPOSALS:

The bidder shall submit their sealed bid proposal on the proposal forms provided. The proposal shall be executed properly and all writing shall be ink or typewritten, except the signature of the bidder which shall be written in ink.

The bidder shall specify in figures, in the places provided, a price for each of the separate items called for in the proposal forms.

Additional detached proposal forms will be furnished upon request. Bidders are requested to submit their bids directly to the owner in a properly sealed envelope. If the bidder is a corporation, the legal name of the corporation, the state of incorporation and the business address shall be set forth together with signature of the officer or officers authorized to sign contracts on behalf of the corporation and attested by the secretary of the corporation. The corporate seal shall also be affixed. If the bidder is partnership, the true name and seals shall also be affixed. If the bidder is a partnership the true name and address of the firm shall be set forth together with the signatures of authorized partners. If the bidder is an individual, the signature and address shall be inscribed. If the signature is by an agent other than an officer of the corporation or member of the partnership, a power of attorney must be submitted with the bid, otherwise, the bid may be regarded as irregular. All names must be printed below the signature.

1.02 BID SECURITY:

No bid will be considered unless accompanied by a bid security as defined in the Invitation to Bid as a guarantee that if the bid is accepted the bidder will execute the agreement and file bonds and insurances required by the contract documents. Bid securities shall be made payment to the Village of Arlington Heights. In the event that the bidder fails to furnish the required bonds and insurance within ten (10) calendar days after notice of acceptance of the bid by the Village, then the bid deposit of the bidder shall be retained by the Village as liquidated damages, it being now agreed that said sum is a fair estimate of the amount of damages that said Village will sustain due to the bidder's failure to furnish said bond.

1.03 BID SUBMITTAL:

Each bid properly signed together with the bid security and all documents bound herewith shall be enclosed in a sealed addressed and entitled envelope as specified in the Invitation for Bids and delivered to the office designated in the Invitation for Bids. If the bid is sent through the mail or other delivery system, the sealed envelope shall be enclosed in a separate envelope with the notation "Bid Enclosed" on the face of it.

1.04 WITHDRAWAL OF BID:

No bid shall be withdrawn after the opening of any bid without the consent of the Village. Any bid may be withdrawn at any time prior to the hour fixed in the Invitation for Bids for the opening of bids provided that a request in writing executed by the bidder or duly authorized representative for the withdrawal of such bid is filed with the owner prior to the time specified for the opening of bids.

1.05 AWARDING THE BID:

The contract will be awarded to the lowest responsible bidder, or any other bidder determined by the Village Board to be in the best interest of the Village, who complies with all the provisions of the invitation to bid. The Village reserves the right to reject any or all bids or to waive any non-conformity in bids received whenever such rejection or waiver is in the best interests of the Village. The Village also reserves the right to reject the bid of a bidder who has previously failed to satisfactorily perform a contract, has not completed contracts on time, or whom an investigation shows is not in a position to perform the contract.

In determining responsibility, the following qualifications will be considered by the Village:

(a) The ability, capacity, and skill of the bidder to perform the contract or provide the service required;

(b) Whether the bidder can perform the contract or provide service promptly, or within thetime specified, without delay or interference;

(c) The character, integrity, reputation, judgment, experience, and efficiency of the bidder;

(d) The quality of performance of previous contracts or services;

(e) The previous and existing compliance by the bidder with laws and ordinances relating to the contract or service;

(f) The sufficiency of the financial resources and ability of the bidder to perform the contract or provide the service;

(g) The quality, availability, and adaptability of the supplies or contractual services to the particular use required;

Except as otherwise provided by law, the Village Mayor and Board of Trustees reserves the right to reject any or all bids and to waive any informality in the bids received.

2.00 WORK COVERED BY CONTRACT DOCUMENTS:

The work comprises the completed Public Improvements/Construction required by the contract documents and includes all labor necessary to produce such Public Improvements/Construction and all materials and equipment incorporated or to be incorporated in such Public Improvements/Construction.

3.00 CONTRACTOR:

The contractor is the person or entity identified as such in the owner-contractor agreement and is referred to throughout the contract documents as if singular in number. The term contractor means the contractor or an authorized representative.

4.00 DEFINITION OF TERMS:

Wherever used in these General Conditions, or in the other contract documents, the following terms have the meanings listed and include singular and plural; persons referred to throughout the contract documents are as if singular in number.

4.01 AWARD:

The decision of the Village to accept the proposal of a responsible bidder for the work, subject to the execution and approval of the contract and contract bond to secure performance, and such other conditions as may be specified or otherwise required by law.

4.02 BIDDER:

Any individual, firm or corporation submitting a proposal for the work, acting directly or through a duly authorized representative.

4.03 BID PROPOSAL SECURITY (PROPOSAL GUARANTEE):

The security furnished with the bid to guarantee that the bidder will enter into the contract for the work contemplated.

4.04 CONTRACT/AGREEMENT:

The contract represents the entire and integrated agreement between the Village and contractor and supersedes all prior negotiations, representations or agreements either written or oral. The contract may be amended, or modified in writing signed by both parties.

4.05 CONTRACT BOND:

The form of security approved by the Village and furnished by the contractor and the contractor's surety as a guarantee of good faith and ability on the part of the contractor to execute the work in accordance with the terms of the contract.

4.06 CONTRACT DOCUMENTS:

The contract documents consist of the Village/Contractor agreement, the conditions of the contract (general), supplementary or special and other conditions, the plans, specifications, addenda and all modifications (written amendments, change orders, written interpretations or other written orders), and the contract bond when required.

4.07 CORPORATION:

A corporate body authorized or licensed to do business in Illinois.

4.08 ENGINEER:

When the word "Engineer" appears in the specifications it shall mean the Village Engineer of the

Village of Arlington Heights, Illinois or those designated by the Village Engineer.

4.09 OBSERVER:

The Village's authorized representative assigned to observe any or all portions of the work and materials being used for the project.

4.10 OWNER/VILLAGE:

When the word "Owner" or "Village" appears in the specifications they shall mean the Village of Arlington Heights, Illinois, a municipal corporation of the State of Illinois,

33 South Arlington Heights Road, Arlington Heights, Illinois 60005.

4.11 PLANS:

All official drawings or reproductions of drawings pertaining to the work provided for in the Contract.

4.12 PROJECT MANUAL:

The booklet (manual) which includes the bidding requirements, conditions of the contract, the proposal, specifications.

4.13 BID PROPOSAL:

The written offer of the bidder to perform the work proposed, presented to the Village.

4.14 SPECIAL CONDITIONS:

Special conditions, when included in these contract documents, shall act to supplement these general conditions, the attached specifications and the plans on particular portions of the project. They shall govern the contract documents wherever they conflict therewith; but shall not annul the portions of the contract documents with which they do not conflict.

4.15 SPECIFICATIONS:

The body of descriptions, conditions and requirements contained in the contract, together with written agreements and all documents of any description made or to be made pertaining to the method or manner of performing the work, the quantities, or the quality of materials to be furnished under the contract.

The specifications have abbreviated sections and may include incomplete sentences. Omissions of phrases such as "The Contractor Shall" or "Complying with the requirements of" are intentional. Omitted words or phrases shall be supplied by inference in the same manner as they are when a "note" occurs on the drawings, words in the singular shall include the plural wherever applicable, or as the context so indicates.

4.16 SURETY:

The corporate body, acceptable to the Village, bound with and for the contractor to insure acceptable performance of the contract and for payment of all obligations pertaining to the work.

4.17 MISCELLANEOUS DEFINITIONS:

(a) "Provide" means furnish, fabricate, complete, deliver, install, and erect, including all labor, materials, equipment, apparatus, appurtenances, and expenses necessary to complete in place, ready for operation or use.

(b) "Shall" means mandatory.

(c) "As Required" means as prescribed by the contract documents.

(d) "As Necessary" means essential to the completion of the work.

(e) "Or Equal" means a substitute meeting the exact specification of those items so stated on the drawings, details, and/or the specifications and approved by the Village before bids are submitted.

5.00 CONTRACT DOCUMENTS

5.01 OWNERSHIP OF PLANS AND SPECIFICATIONS:

All plans and specifications and copies thereof furnished by the Village are Village property. They are not to be used on other work and with the exception of one complete set, are to be returned to the Village on request, at the completion of the contract work.

5.02 EXAMINATION OF CONTRACT DOCUMENTS AND THE SITE OF PROPOSED WORK:

The bidder shall, before submitting a bid, carefully examine the contract, including the proposal, specifications, general and special conditions. The bidder shall inspect the site of the proposed work and become familiar with all the local conditions affecting the contract and detailed requirements of Public Improvements/Construction. If the bidder’s bid is accepted, the bidder will be responsible for any errors in the proposal resulting from failure or neglect to comply with these instructions. The Village will, in no case, be responsible for any change in anticipated profits resulting from such failure or neglect.

5.03 INTENTION OF CONTRACT DOCUMENTS:

The contract documents are complementary; what is called for by one is as binding as if called for by all. The contractor shall bring any conflict, errors, or discrepancies in the contract documents to the attention of the Village in writing before proceeding with the work affected thereby.

Any work that may reasonably to be inferred from the specifications or plans as being required to produce the intended result shall be provided by the contractor whether or not it is specifically mentioned or shown.

5.04 BID PROPOSAL SECURITY (PROPOSAL GUARANTEE):

Each proposal shall be accompanied by a bid proposal security (see Section 1.02). A bid proposal security shall be a properly certified check, bank draft, bank cashier's check or bid bond for ten percent (10%) of the amount of the bid as prescribed herein, made payable to the Village. The

proposal guarantee will be returned within five (5) business days after the bid opening date to all but the successful bidder, and one alternate bidder to be designated by the Village. The proposal guarantee of the successful bidder and the alternate bidder will be returned as soon as the contract bond, insurance policies and certificates are in proper order, delivered to the Village and the contract has been fully executed by the bidder to whom the contract is awarded.

5.05 BONDING REQUIREMENTS:

(a) Surety Bond. The Contractor will furnish and deliver a surety bond to the Village in the form approved by the Village and such bond will be secured for the payment and materials used and labor performed in this public work. This bond will have a minimum "A" rating as defined in Best's Key Rating Guide and will be in an amount of the full value of this construction contract.

(b) Performance and Payment Bond. All bonds must comply with all laws including, but not limited to 820 ILCS 130/4 (c). The Contractor will provide both a Performance and Payment Bond each for 100% of the contract price with a minimum "A" rating as defined in Best's Key Rating Guide and be conditioned on the faithful performance of the requirements of the contract, and will have as surety a corporate surety authorized to act as such in Illinois and that the Contractor will be responsible for all claims for injuries to persons or damages to property or premises arising out of or in connection with his or her operations prior to the acceptance of the finished work or supplies, and that he or she will promptly make payments to all persons supplying them with labor or materials in the prosecution of the work provided for in the Contract; and will guarantee to indemnify and hold harmless the Village and its officers and employees for all costs, damages and expenses arising out of or by reason of the contractor's failure to comply and perform the work and to complete the contract in accordance with the specifications.

(c) Failure on the part of the contractor to obtain and deliver a Surety, Performance, and Payment Bonds, acceptable to the Village, within fifteen (15) calendar days from the date of Notice of Award of contract will be considered just cause for the annulment of the Award and the forfeiture of the bid proposal security to the Village.

5.06 CONFLICTS BETWEEN DIRECTIVES:

Where conflict exists within or between parts of the contract documents and applicable standards, codes or ordinances, the more stringent or higher quality requirements shall apply. Large scale drawings take precedence over smaller scaled drawings, figured dimensions on the drawings over scaled dimensions, and noted materials over graphic representations.

5.06 BID PROPOSAL:

The bidder shall submit a sealed bid proposal on the attached proposal forms. The proposal shall be executed properly and all writing shall be in ink or typewritten, except the signatures of the bidder which shall be written in ink. Prices quoted must be valid for a minimum of sixty (60) days from the date of the bid opening.

Proposals that contain omissions, erasures, alterations, irregularities of any kind, or not accompanied by the proper proposal guaranty may be rejected. However, the owner reserves the right to reject or accept any and all proposals and to waive technical error as may be deemed in the best interest of the Village.

Late bids shall not be considered and will be returned unopened.

(a) Unit Price Bid:

(1) Bidders will be furnished with a unit price bid proposal form, attached to the project manual, stating the items of work contemplated and the approximate estimated quantities. It is the result of careful calculations and is believed to be correct, but it is given only as a basis for comparison of proposals and the award of the contract. The Village does not expressly or by implication agree that the actual quantities involved will correspond exactly therewith; nor shall the bidder plead misunderstanding or deception because of such estimates or of the character, location, or other conditions pertaining to the work. The contractor shall verify these quantities before bidding.

(2) Payment will be based on the actual quantities of work performed in accordance with the contract, at the contract unit prices specified. No allowance will be made for any change in anticipated profits due to an increase or decrease in the original estimate of quantities. The Village reserves the right to omit any item entirely, or to increase or decrease any or all items.

(3) The project manual states the date, time and place of filing and opening of bidproposals.

(4) The bidder shall submit a bid proposal on the forms attached hereto after he or she has made the examinations required as part of these general conditions.

(b) Lump Sum Bid: Bidders will be furnished with a lump sum bid proposal form, attachedto the project manual, for the work to be performed.

6.00 LAWS, PERMITS AND REGULATIONS:

(a) The contractor shall at all times observe and comply with all federal, state and local laws, regulations, and ordinances. Any complaint, claim or action brought against the contractor for failing to observe or comply with any law, ordinance, or regulation shall be the sole responsibility of the contractor and shall in no way extend to or expose the owner to liability. The contractor shall indemnify and hold harmless the Village from any and all such complaints, claims or actions. In addition, the contractor agrees to comply with all applicable statutes regarding prevailing wage laws.

(b) The contractor shall secure the construction permits and all other permits, licenses, and inspections necessary for the proper execution and completion of the work which are customarily secured after execution of the contract. The Village of Arlington Heights will waive all fees for permits required for proposed work. The contractor is responsible for securing and payment of an Arlington Heights Business License and any State Licensing required to complete the proposed work.

(c) It is not the responsibility of the contractor to make certain that the contract documents comply with applicable laws, statutes, building codes and regulations. However, if the contractor observes that any of the contract documents do not comply with applicable laws, shall promptly notify the Village in writing.

(d) If the contractor performs any work knowing it to becontrary to such laws, ordinances, rules and regulations, and without notice to the Village, the contractor shall assume full responsibility and shall bear all costs attributable thereto.

(e) All work done under the contract shall be done to the satisfaction of the Village who will in all cases determine the amount of work done which is to be paid for under the contract. The Village will decide all questions that may arise regarding the measurements of quantities and the fulfillments of this contract on the part of the contractor, and will determine all questions concerning the true intent or meaning of the plans and specifications and this determination and decision will be final and conclusive.

(f) The contractor and all subcontractors shall be licensed within the Village of Arlington Heights and the State of Illinois where applicable and shall provide indemnity bonds required by the Village Code.

6.01 PREVAILING WAGE:

Pursuant to the requirements of the State of Illinois Department of Labor, there have been established minimum scales of hourly wages to be paid in each classification of labor under this contract. The contractor and each subcontractor shall pay wages equal to or greater than the established minimum scales or hourly wages as determined by the State of Illinois Department of Labor. The wage rate set forth shall in no way be construed to prevent the contractor or subcontractors from paying a higher rate of wages. If any crafts establish a higher minimum wage in the district during the construction, the higher minimum wage established shall be considered as having also been established as the minimum wage scale under this contract. The contractor shall incorporate all applicable minimum wage rates published prior to the date of the bid opening into the contract documents. It shall be the responsibility of the successful contractor to monitor the prevailing wage rates as established with the Department of Labor for any increase in rates during the project and adjust wage rates accordingly. Prevailing wages rates are available via the internet at www.state.il.us/agency/idol. Contractors/subcontractors are responsible for checking on all rate revisions to the prevailing wage rate act for the contract duration.

Pursuant to 820 ILCS 130/5.1, as of September 1, 2020 all contractors are to submit signed certified payroll to the Illinois Department of Labor during those months when construction on a public works project has occurred for each project awarded. The certified payroll must list all information required by law.

6.02 EMPLOYMENT OF ILLINOIS WORKERS DURING PERIODS OF EXCESSIVE UNEMPLOYMENT (Finance 30 ILCS 570/) Employment of Illinois Workers on Public Works Act:

(a) Whenever there is a period of excessive unemployment in Illinois which is defined herein as any month immediately following two (2) consecutive calendar months during which the level of unemployment in the State of Illinois has exceeded five (5%) percent as measured in the United States Bureau of Labor Statistics in its monthly publication of employment and unemployment figures, the contractor shall employ only Illinois laborers. "Illinois laborers" means any person who has resided in Illinois for at least thirty (30) days and intends to become or remain an Illinois resident.

(b) Other laborers may be used when Illinois laborers, as defined herein, are not available, or are incapable of performing the particular type of work involved, if so certified by the contractor and approved by the landscape architect. The contractor may replace no more than three (3) of his regularly employed non-resident executive and technical experts, who do not qualify as Illinois laborers, to do work encompassed by this contract during periods of excessive unemployment.

(c) This provision applies to all labor whether skilled, semi-skilled, whether manual or non-manual.

6.03 EMPLOYMENT PREFERENCE:

The contractor shall comply with "AN ACT to give preference to the veterans of the United States military and naval service in appointments and employment upon public works, by, or for the use of, the State or its political subdivisions, passed by the 59th General Assembly and approved on June 12, 1935, (Chapter 126-1/2, Paragraph 23 of the Illinois Revised Statutes 1965)."

6.04 ILLINOIS HUMAN RIGHTS ACT:

The contractor shall comply with the Illinois Human Rights Act, 775 ILCS 5/1.101, et seq including establishment of sexual harassment policies and program.

6.05 EQUAL EMPLOYMENT OPPORTUNITY:

During the performance of this contract the contractor agrees as follows:

(a) That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex national origin or ancestry and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

(b) That if it hires additional employees in order to perform this contract or any portion hereof it will determine the availability (in accordance with the Fair Employment Practices Commission's Rules and Regulations for Public Contracts) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

(c) That in all solicitations or advertisements for employees placed by it or on its behalf it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, national origin or ancestry.

(d) That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding a notice advising such labor organization or representative of the contractor's obligations under the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts. If any such labor organization or representative fails or refuses to cooperate with the contractor in its efforts to comply with such Act and Rules and Regulations the contractor will promptly so notify the Illinois Fair Employment Practices Commission and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations thereunder.

(e) That it will submit reports as required by the Illinois Fair Employment Practices Commission's Rules and Regulations for Public contracts. Furnish all relevant information as may from time to time be requested by the Commission or the contracting agency, and in all respects comply with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.

(f) That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Illinois Fair Employment Practices Commission for purposes of investigation to ascertain compliance with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.

(g) That it will include verbatim or by reference the provisions of paragraphs 1 through 7 of this clause in every performance subcontract as defined in Section 2.10(b) of the Commission's Rules and Regulations for Public Contracts. So that such provision will be binding upon every such subcontractor and that it will also include the provisions of paragraphs 1, 5, 6 and 7. In every supply subcontract as defined in Section 2.10 (a) of the Commission's Rules and Regulations for Public Contracts so that such provisions will be binding upon every such subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by all its subcontractors: and further it will promptly notify the contracting agency and the Illinois Fair Employment Practices Commission in the event any subcontractor fails or refuses to comply therewith. In addition no contractor will utilize any subcontractor declared by the Commission to be non-responsible and therefore ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

The Village of Arlington Heights does not discriminate on the basis of handicapped status in admission or access to, or treatment or employment in its programs and activities.

6.06 THE AMERICAN WITH DISABILITIES ACT:

The Americans with Disabilities Act. (42 USC 121-1 et seq.) and its accompanying regulations (28 CFR 35.130) prohibit discrimination against qualified individuals with disabilities by a local government, whether directly or through contractual arrangements, in the provision of any benefit, service, program or activity of the public entity. As a condition of receiving this contract, the contractor certifies by signing the bid proposal form, that any services, programs and activities provided under this contract are now and will continue to be in compliance with the Americans with Disabilities Act.

6.07 SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS PROJECTS ACT, (820 ILCS 265/1 et seq):

All contractors and subcontractors must be in compliance with the Substance Abuse Prevention on Public Works Projects At, 820 IL CS 265/1 et seq. Before beginning work on a public works project, contractors and subcontractors shall have in place a written substance abuse prevention program which meets or exceeds the program requirements in the Act and shall file a copy of the program with the Village which will also be made available to the general public. The required testing must be performed by a laboratory that is certified for Federal Workplace Drug Testing Programs by the Substance Abuse and Mental Health Service Administration of the U.S. Department of Health and Human Services.

7.00 CONTRACTOR

7.01 COMPETENCY OF CONTRACTOR:

The contractor shall, when requested by Village, furnish signed statements evidencing responsibility and showing financial ability, experience, amount and condition of equipment and

the value of all uncompleted work under contract pertaining to the proper execution of the specified work.

7.02 SUBCONTRACTORS:

A list of anticipated subcontractors, including their firm names, addresses, and telephone numbers, shall be furnished to the Village. A list of subcontractors shall be included with each bid proposal. All subcontractors to be used shall be approved by the Village. Subcontracting any part of the work to be done under this contract shall not under any circumstance relieve the contractor of responsibility for this contract.

7.03 COOPERATION BETWEEN CONTRACTORS:

(a) If separate contracts are let for work comprising an entire project each contractor shall conduct the work so as not to interfere with or hinder the progress or completion of the work being performed by other contractors. In case of dispute, the Village shall be the arbitrator and the Village's decision shall be final and binding.

(b) Each contractor shall assume all liability, financial or otherwise, in connection with the contract and shall protect and save harmless the Village from any and all damages or claims that may arise because of inconvenience, delay, or loss experienced because of the presence and operations of other contractors working within the limits of the same improvement.

(c) The contractor shall, as far as possible, arrange the work and the placement and disposition of the materials being used, so as not to interfere with the operations of the other contractors within the limits of the same improvement. The contractor shall join his or her work with that of the others in an acceptable manner and shall perform it in proper sequence to that of the others, all as directed by the Village.

7.04 COMMENCEMENT OF WORK/USE OF SITE:

The contractor shall confine all equipment, the storage of materials and the operations of workers to limits indicated by law, ordinances, permits or directions of the Village and shall not reasonably encumber the site with materials. The contractor shall enforce the Village's instructions regarding the conduct and use of the site by employees. The contractor shall commence performance of the work on the date indicated on the notice to proceed which date shall be within ten (10) calendar days of the effective date of the contract. Within ten (10) calendar days of the effective date of the contract, contractor shall submit to the Village for review an estimated progress schedule indicating the starting and completion dates of the various stages of the work.

7.05 SUPERINTENDENT:

(a) The contractor shall employ a competent superintendent and necessary assistants who shall be in attendance at the project site during the progress of the work. The superintendent shall represent the contractor and all communications given to the superintendent shall be as binding as if given to the contractor. Important communications shall be confirmed in writing. Other communications shall be so confirmed on written request in each case.

(b) The contractor shall supervise and direct the work efficiently using his or her best skill and attention. The contractor shall be solely responsible for the negligence of others in the design or

selection of a specific means, method, techniques, sequence or procedure of Public Improvements / Construction which is indicated in and required by the contract documents. Contractor shall be responsible to see that the finished work complies accurately with the contract documents.

7.06 WORKMANSHIP:

The contractor shall be responsible for high quality workmanship on all items of work. Where workmanship of any job or portion thereof is not acceptable, it shall be removed and replaced at the contractor's expense.

7.07 RESPONSIBILITY:

Responsibility for the maintenance of safe equipment and the use of proper construction methods and procedures shall rest solely with the contractor and subcontractors performing the work and the Village shall not have any responsibility therefore. The Village has the right to ascertain and require that the work product of the contractor and subcontractors complies with the contract.

7.08 CONTRACTOR RESPONSIBILITY TO VILLAGE:

The contractor shall notify the Village representative one (1) calendar day in advance of all grading, drainage, paving operations, shade and ornamental tree staking, and other major items of construction for field checking and approvals to proceed. All questions pertaining to the plans, specifications and details of the work shall be directed to the Village representative and cleared prior to construction.

7.09 HOLD HARMLESS AND INDEMNIFICATION:

To the fullest extent permitted by law, the contractor shall assume all liability for, and shall protect, defend, indemnify and hold harmless the Village, it's officers, employees, servants, and agents, from and against all claims, actions, suits, judgments, costs, losses, expenses, including but not limited to, fees and charges of attorneys, engineers and architects, court and arbitration costs, and liabilities of whatsoever kind or nature arising out of:

(a) Any infringement (actual or claimed) on any patents, copyrights or trade names by reason of any work performed by the contractor under this contract or by reason of anything to be supplied by the contractor pursuant to this contract.

(b) Bodily injury, including death, sickness or disease, to any person or persons (including contractor's officers, employees, agents, and servants) or damage to or destruction of any property including the loss of use thereof:

(1) caused in whole or in part by any act, error or omission by the contractor or any subcontractor or anyone directly or indirectly employed by any of them;

(2) arising directly or indirectly out of the presence of any person in or about any part of the project site or the streets, sidewalks, and property adjacent hereto;

(3) arising directly or indirectly out of the use, misuse or failure of any machinery or equipment used directly or indirectly in the performance of the contract.

(c) In any and all claims against the Village or any of their agents or employees by any employee of the contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone whose acts may be liable, the indemnification obligation under this section shall notbe

limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the contractor or any subcontractor under worker's or workmen's compensation acts, disability benefit acts or other employee benefit acts. This indemnification does not apply to any liability caused by the Village's negligence.

7.10 ABANDOMENT:

Should the contractor abandon or neglect the work or if the Village at any time is convinced that the work is unreasonably delayed, or that the conditions of the Contract are being willfully violated, executed carelessly, or in bad faith, the Village may notify the Contractor in writing, and if this notification is without effect twenty-four (24) hours after delivery, then the contractor shall discontinue all work under the contract and the owner shall have full authority to make arrangements for the completion of the contract at the expense of the contractor.

7.11 CLEAN UP AND SITE MAINTENANCE:

The contractor shall at all times keep the site and adjoining premises free from accumulation of waste material or rubbish caused by its employees or work, and at the completion of the work, shall remove all rubbish, tools, and surplus materials from the site and adjoining premises, leaving the area in a neat and workmanlike condition. In case of dispute, the Village may remove the rubbish and charge the cost to the contractor as the Village shall determine to bejust.

8.00 EXISTING CONDITIONS

(a) Existing conditions including surface features, soil boring data and any underground utilities shown on the plans and/or referred to in the specifications are for informational purposes only and shall not be deemed as part of the plans and specifications. It shall be the contractor's obligation to verify and augment such information and data to fully satisfy as to the conditions under which the work will be done. The contractor shall maintain in operating condition all active utilities encountered in this Public Improvements/Construction.

(b) The contractor shall contact all public utilities involved and have their representative locate pipes, conduits, cables or other facilities before Public Improvements/Construction is started. The Village does not assume responsibility for location or disturbance of utilities or other existing features or conditions encountered on this project. Any replacement or relocation costs shall be the contractor's responsibility, unless otherwise specified.

(c) Contractor shall promptly notify owner in writing of any subsurface or latent physical conditions at the site differing materially from those indicated in the contract documents.

9.00 CHANGES/ALTERATIONS OF CONTRACT WORK AND EXTRA WORK

(a) The Village reserves the right to alter the plans through change orders by adding or deducting from the original quantities as bid without invalidating the contract. All such work shall be executed under the same conditions as the original contract, except for an extension in time when any such change/alteration results in additional work.

(b) All changes shall be made only when ordered in writing from the owner as follows:

(1) Approval to increase the contract price by not more than $20,000.00 may be exercised by written change order of the Village Manager.

(2) Approval to increase the contract price in all other instances or to extend the contract completion time may only be exercised by written change order signed by the Village President and authorized by a due and proper vote of the Village Board of Trustees.

(c) The value of any change shall conform with the Article 109.04 in the IDOT Standard Specifications for Road and Bridge Construction.

10.00 PROTECTION OF PERSONS AND PROPERTY

10.01 SAFETY PRECAUTIONS AND PROGRAMS:

The contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the work.

10.02 SAFETY OF PERSONS AND PROPERTY:

(a) The contractor shall take all reasonable precautions for the safety of, and shall provide all reasonable protection to prevent damage, injury or loss to:
(1) all employees on the site and all other persons who may be affected thereby;
(2) all the work and all materials and equipment, whether in storage on or off site, under the care, custody, or control of the contractor or any of the subcontractors; and
(3) other property at the site or adjacent to the site, including trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation, or replacement in the course of Public Improvements/Construction.

(b) The contractor shall give all notices and comply with all applicable laws, ordinances, rules and regulation and lawful orders of any public authority bearing on the safety of persons or property or their protection from damage, injury or loss.

(c) The contractor shall erect and maintain, as required by existing conditions and progress of the work, all reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations and notifying owners and users of adjacent utilities.

(d) The contractor shall use proper warning guards and safety devices in the construction area and particularly with respect to open trenches and the storage of construction materials.

(e) No trees, fire hydrants, utility poles, shrubs or hedges, traffic signs, or other public structure shall be removed, replaced, damaged or destroyed unless the Village has given approval in writing.

(f) The contractor shall conduct construction activities so as not to interfere with, break, cut or otherwise damage any public curb, or public road, pavement or any utility services located alongside of or under or within any public road or public right-of-way area, without a letter of approval from the Village.

(g) Notwithstanding the foregoing requirements, the contractor shall be responsible for taking immediate steps to correct any damage or injury to public structures, utility services, roadways or public buildings as well as any damage or injury to private property as a result of the contractor's activities.

(h) The contractor shall keep a daily record with respect to all injuries, incidents or damage

occurring in, on or near the construction site as a result of the construction activities. The contractor shall give this information to the Village within twenty-four (24) hours after the day of occurrence.

(i) The contractor shall keep first aid supplies on thesite.

11.00 INSURANCE REQUIREMENTS:

(a) The Contractor shall not commence work until the Contractor has obtained all insurance required in these documents. The Contractor shall purchase and maintain, throughout the duration of the contract, insurance as is appropriate for the work being performed and furnished and shall provide protection from claims which may arise out of or result from the Contractor's performance and furnishing of the work and Contractor's other obligations under the contract documents, whether it is to be performed or furnished by the Contractor, by any Subcontractor, by anyone directly or indirectly employed by them or by anyone for whose acts any of them may be liable.

(b) Insurance required by this Section shall be written with a company having at least an "A" Property-Casualty Rating, and financial size of at least Class 7 as listed in the most recent published A. M. Best's Insurance Guide.

(c) The Village shall be named as additional insured on all policies required by the contract except for Workmen's Compensation insurance. The coverage afforded shall be primary and non-contributory for the additional insured with respect to claims arising out of operations preformed by or on behalf on the Contractor. Additional insured: Village Of Arlington Heights, its Officials, Employees, Agents and Volunteers. If the additional insured has other insurance which is applicable to the loss, such as other insurance shall be on an excess or contingent basis. The amount of the Contractor's insurance company's liability under this insurance policy shall not be reduced by the existence of such other insurance. Additional insured status shall be provided by original endorsement as least as broad as CG 20 10 04 13 or CG 20 26 04 13

(d) As a minimum, the contractor shall secure and maintain the types of insurance as specified, and shall submit evidence to the Village on an annual basis that the insurance coverage's are in force. The form and limits of such insurance, together with the underwriter thereof in each case, shall be acceptable to the Village, but regardless of such acceptance it shall be the responsibility of the Contractor to main adequate insurance coverage until final payment and at all times thereafter when the Contractor may be correcting, removing, or replacing defective work in accordance with the General Conditions and Instruction to Bidders. Failure of the Contractor to maintain adequate coverage shall not relieve him of any contractual responsibility orobligation.

(e) The Contractor shall forward original copies of the Certificates of Insurance with the coverage's and limits specified annually during the contract period to the Purchasing Division, Finance Department, 33 S. Arlington Heights Road, Arlington Heights, IL 60005.

(f) Insurance Certificates and Policies delivered to the Village shall recite that 30 days prior written notice will be given to the Village by certified mail before any policy is materially changed, canceled, or not renewed.

11.01 WORKER'S COMPENSATION AND EMPLOYERS LIABILITY:

The insurance shall protect the Contractor against all claims under applicable State or Federal Worker's Compensation Laws. The Contractor shall also be protected against claims for injury, disease or death of employees which for any reason may not fall within the provisions of the Worker's Compensation Law. The policy shall include "broad form all states" endorsement coverage extended to cover all states except the monopolistic fund states.

The liability limits shall not be less than:

1. Worker's Compensation .....Statutory
2. Employer's Liability .....$1,000,000 per occurrence

11.02 BUSINESS AUTO LIABILITY:

The insurance shall be written in automobile liability form and shall protect the Contractor against all claims for injuries to persons and damages to property arising from the ownership, maintenance or use of any motor vehicles and shall cover operation on or off the site of all motor vehicles, whether they are owned, non-owned or hired.

The liability limits shall not be less than:

1. Bodily Injury and Property Damage Combined… .....$1,000,000 per occurrence

11.03 COMMERCIAL GENERAL LIABILITY, INCLUDING PREMISES AND OPERATIONS, CONTRACTUAL, PERSONAL INJURY, PRODUCT LIABILITY, COMPLETED OPERATIONS, AND BROAD FORM PROPERTY COVERAGES:

(a) This insurance shall be written in Commercial General Liability form and shall protect the Contractor against all claims arising from injuries to persons or damages to property caused by any act or omission of the Contractor or his agents, employees or Subcontractors. The Contractors General Aggregate shall apply on a per Project basis. The Broad Form General Liability Endorsement shall be included.

(b) In addition, this policy shall contain a Contractual Liability Endorsement covering any Contractual Liability assumed in the Contract and all changes and modifications thereto, whether in writing or oral.

(c) The scope of the coverage shall also include the Personal Injury Hazards including "a", "b", and "c". "a" includes false arrest, malicious prosecution, and unwillful detention or imprisonment. "b" includes libel, slander, and defamation of character. "c" includes wrongful eviction, invasion of privacy, and wrongful entry. Fellow Employee exclusion shall be removed.

(d) The Policy shall also include Broad Form Property Damage Protection.

(e) The Contractor shall include all the Contractor's employees as additional insured's under the policy.

(f) Commercial General Liability Coverage shall contain no exclusions for explosion, collapse or underground work (X, C, U).

(g) The liability limits shall not be less than:

1. Bodily Injury and Property Damage, Combined single limit, peroccurrence including, Contractual Liability – Broad Form Products and Completed Operations..... $2,000,000

2. Premises/Operations Personal Injury.....$1,000,000

3. General Aggregate $4,000,000

Products/Completed Operations coverage is to remain in force for a period of two (2) years after the completion of the project.

11.04 UMBRELLA EXCESS LIABILITY:

Special coverage shall be as follows… ..... $2,000,000 over primary insurance

The required coverages may be in combination of primary, excess and umbrella policies. Any excess or umbrella policy must provide excess coverage over underlying insurance on a following-form basis such that when any loss covered by the primary policy excess the limits under the primary policy, the excess or umbrella policy becomes effective to cover such loss.

Policy should be written on an occurrence basis.

All underlying coverage needs to be included in the Umbrella or Excess Liability policy. Any exclusions or exceptions must be noted on the certificate of insurance.

11.05 BUILDER'S RISK INSURANCE:

(a) Builder's Risk insurance shall insure against "All Risk" of physical damage, including earthquake and water damage (flood and hydrostatic pressure not excluded), on a Completed Value Basis. The insurance shall include the interests of the Village, Contractor, and Subcontractors in the Work and will be provided by the Contractor. This policy shall be written or endorsed to allow the Village to occupy or use a portion or portions of the Work prior to completion of all the Work.

(b) If not covered under the "All Risk" insurance or otherwise provided in the bid documents, the Contractor shall effect and maintain similar property insurance on portions of the Work stored on or off site or in transit, when such portions of the Work are to be included in an Application for Payment.

11.06 OWNERS PROTECTIVE LIABILITY INSURANCE:

Owners Protective Liability Policy shall be a stand-alone policy or an endorsement to the liability policy that covers claims for negligence by a contractor or a subcontractor hired by the insured. The policy limit shall be not less than $1,000,000 per occurrence and the named insured on the

policy shall be the Village of Arlington Heights.

12.00 PAYMENTS AND COMPLETION

12.01 PROGRESS PAYMENTS:

The contractor may request progress payments, based on estimates of work on the first of each month. The estimate shall be a sworn statement (similar to Practical Business Form #589 by Frank R. Walker Co., Chicago) of the work completed to date. The form of the estimate for progress payment requests shall be as follows:

(a) Unit Price: When the contract work has been awarded on a unit price bid basis, the forms of each estimate shall follow the bid proposal form, listing each item number, the total quantity of units completed to date, the unit price and subtotal. The sub-total column shall be added to show the total cost of work completed to date, less ten (10) percent to be withheld giving the total amount requested for payment. Previous requests for payment paid by the Village shall be shown on each subsequent request and subtracted after the ten (10) percent has beenwithheld.

(b) Lump Sum: When the contract work has been awarded on lump sum bid basis, the form of each estimate will include the contractor's breakdown of job items with a total value given to each item. The estimate for the items of work completed to date shall be expressed as a percent of the total with the corresponding cost of work, the work completed to date, less ten (10) percent to be withheld, giving the amount requested for payment. Previous requests for payment paid by the Village shall be shown on each subsequent request and subtracted after the ten (10) percent has been withheld.

12.02 PAYMENTS WITHHELD:

The Village may refuse payment or, because of subsequently discovered evidence or subsequent observations, may nullify the whole or any part of any payment, to such extent as may be necessary to protect the Village from loss because of:

(a) defective work not remedied.

(b) third party claims filed or reasonable evidence indicating probable filing of such claims.

(c) failure of the contractor to make payments properly to subcontractors for labor, materials, or equipment.

(d) reasonable evidence that the work cannot be completed for the unpaid balance of the contract sum.

(e) damage to the Village or another contractor.

(f) reasonable evidence that the work cannot be completed within the contract time, for failure to realize that "time is of the essence".

(g) persistent failure to carry out the work in accordance with the contract documents.

12.03 WAIVER OF LIEN:

The contractor shall promptly pay each subcontractor the amount entitled. The contractor shall by an appropriate agreement with each subcontractor also require each subcontractor to make payments promptly to subcontractors. Partial waivers of lien shall accompany each payment request to cover the full amount of the previous payment request except for the final payment which shall contain final waivers of lien from the contractor and all subcontractors. The contractor shall get from every subcontractor and supplier of materials or labor a partial waiver of lien to release the Village of any claim for a lien, which they or any of them may have under the Illinois Lien Laws and Public Construction Bond Act. Any payments made by the Village without requiring strict compliance of the terms of this paragraph shall not be construed as a waiver by the Village of the right to insist upon strict compliance of the terms of this paragraph as a condition of later payments. The contractor shall indemnify and hold the Village harmless from all claims of subcontractors, laborers, workmen, mechanics, materialmen and furnishers or material and parts thereof, equipment, tools and all supplies incurred in the furtherance of the performance of the work. Failure to supply waivers of lien or acceptable evidence of payment of all current accounts incurred by this contract work shall be grounds for withholding payment.

12.04 PAYMENTS BY THE OWNER:

Thirty (30) days after issuance and delivery of a request for payment to the Village, the Village will approve or disapprove the request. The amount approved will become due and will be paid by the Village to the Contractor within thirty (30) days after the date of approval.

12.05 TAXES:

No charges will be allowed for taxes from which the Village is exempt. The Village is not liable for the Illinois Retailer's Occupation Tax, the Service Occupation Tax nor the Service Use Tax. The Village is also exempt from Federal Excise Transportation Tax.

12.06 FINAL PAYMENT:

(a) Upon written notice by the contractor that the work is completed and ready for final inspection and acceptance, the Village will make the required inspection and determine final completion. Any remedies to the work shall be noted and submitted in writing by the Village to the contractor. After making any required remedies, the contractor will submit a request for final payment.

(b) As a condition of final payment, the contractor shall submit affidavits and final waivers of lien from itself and each subcontractor indicating that all bills for payrolls, materials, equipment or other indebtedness have been satisfied.

(c) The final payment, as well as the completed work, will be reviewed by the Village for final approval and release of retention.

12.07 CORRECTION OF WORK AFTER FINAL PAYMENT:

The final payment or any provision in the contract documents shall not relieve the contractor of the responsibility for the correction of any and all defects in the work performed. The contractor warrants and guarantees to the Village that all work will be in accordance with the contract documents and will be free from defects in materials and workmanship for a period of one (1) year after the date of final payment.

13.00 LIQUIDATED DAMAGES

13.01 LIQUIDATED DAMAGES:

Time is of the essence of this contract. Liquidated damages will be assessed against the contractor for failure to complete the work within the time(s) specified in these contract documents in accordance with Section 108.09 in the IDOT Standard Specifications for Road and Bridge Construction

13.02 SUSPENSION OF THE WORK:

Suspension of Work will be addressed in accordance with Section 108.07 in the IDOT Standard Specifications for Road and Bridge Construction.

13.03 TERMINATION OF THE CONTRACT:

The Village may terminate the contract if any of the following events occur:

(a) The contractor commences a voluntary case under any chapter of the Bankruptcy Code or the contractor takes any equivalent or similar action by filing a petition or otherwise under any federal or state law in effect at such time relating to bankruptcy or insolvency.

(b) If a petition is filed against the contractor under any chapter of the Bankruptcy Code or if a petition is filed seeking any such equivalent or similar relief against the contractor under any other federal or state law in effect at the time relating to bankruptcy or insolvency.

(c) If the contractor makes a general assignment for the benefit of creditors.

(d) If a trustee, receiver, custodian or agent of the contractor is appointed to enforce a lien against the contractor's property or for the purpose of general administration of the property for the benefit of the contractor's creditors.

(e) If the contractor admits in writing an inability to pay its debts generally as they become due.

(f) If the contractor persistently fails to perform the work in accordance with the contract documents, including, but not limited, to failure to supply sufficient skilled workers or suitable materials or equipment or failure to adhere to the progress schedule established herein.

(g) If the contractor disregards laws and regulations of any public body having jurisdiction over the work.

(h) If the contractor disregards the authority of the Village.

(i) If the contractor otherwise violates in any substantial way any provisions of the contract documents.

The Village may, after giving contractor and its sureties seven (7) calendar days written notice

and to the extent permitted by laws and regulations, terminate the services of the contractor, exclude the contractor from the site and take possession of the work and all the contractor's tools, appliances, construction equipment and machinery at the site and use the same to the full extent as they could be used by the contractor without liability to the contractor for trespass or conversion.

The contractor shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the contract amount exceeds the direct, indirect and consequential cost of completing the work, including but not limited to fees and charges of engineers, architect, attorneys and other professionals, the excess shall be paid to the contractor. If such costs exceed the unpaid balance, the contractor shall pay the difference to the owner. When exercising any rights or remedies under this paragraph, Village shall not be required to obtain the lowest figure for the work performed. If the Village terminates the contractor’s services the termination will not affect the Village’s right or remedies against the contractor. Any retention or payment due contractor by Village will not release the contractor from liability.

(i) Upon seven (7) calendar days written notice to the contractor, the Village may, without cause and without prejudice to any other right or remedy elect to abandon the work and terminate the agreement. In such case, the contractor shall be paid for all work executed and all expense sustained plus reasonable termination expenses.

VILLAGE OF ARLINGTON HEIGHTS
AFFIDAVIT OF COMPLIANCE

Applicant_____
Name

_____
Address

As a condition of entering into a contract with the Village of Arlington Heights, and under oath and penalty of perjury and possible termination of contract right and debarment, the undersigned, _____, being first duly sworn on oath, deposes and states that he or she is _____ (sole owner, partner, joint ventured, President, Secretary, etc..) of_____and has the authority to
(Name of Company)
make all certifications required by this affidavit.

Section I

Non Collusion

The undersigned certifies that this bid is genuine and not collusive or sham, that said bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any bidder or person, to put in a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference with any person, to fix the bid price element of this bid, or of that of any other bidder, or to secure any advantage against any other bidder or any person interested in the proposed contract.

Section II

Bid Rigging and Rotating

The undersigned hereby certifies that it is not barred from bidding or contracting as a result of a conviction for violations of state laws prohibiting bid rigging or bid rotating or any similar offense of any state of the United States.

Section III

Illinois Drug Free Workplace Act

The undersigned further states that_____provides a
(Name of Company)
drug free workplace pursuant to Illinois Statues, 30 ILCS 580/1, et seq and provides compliance with necessary requirements.

Section IV

Tax Payment

The undersigned further states that_____is not
(Name of Company)
delinquent in payment of any taxes to the Illinois Department of Revenue, in accordance with Illinois Compiled Statues, 65 ILCS 5/11-42.1. The undersigned understands that making a false statement regarding delinquency in taxes is a Class A Misdemeanor and, in addition voids the contract and allows the municipality to recover all amounts paid to the individual or entity under the contract in civil action.

It is expressly understood the foregoing statements and representations and promises are made as a condition to the right of the bidder to receive payment under any award made under the terms and provisions of this bid.

The undersigned certifies that all the information contained in the Affidavit is true and correct.

Signed by: _____
(Name)
(Title)

Subscribed and sworn to before me this_____day of_____20___,
AD.

By: _____
(Notary Public)

-Seal-

VILLAGE OF ARLINGTON HEIGHTS
INDEMNITY HOLD HARMLESS AGREEMENT

To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify and hold harmless the Village of Arlington Heights, its Board of Trustees, officers, agents and employees from any and all liability, losses or damages the Village may suffer as a result of claims, demands, suits, actions or proceedings of any kind or nature in any way resulting from or arising out of any action on the part of the Contractor or any Subcontractor. The Contractor shall, at its own expense; appear, defend and pay all charges of attorneys and all costs and other expenses arising therefore or incurred in connections therewith, and, if any judgment shall be rendered against the Village of Arlington Heights, its Board of Trustees, officers, agents and employees, in any such action, the contractor shall, at its own expense, satisfy and discharge the same. This indemnification does not apply to liability caused by the Village's own negligence.

The Contractor expressly understands and agrees that any insurance policies required by this contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the Village of Arlington Heights, its Board of Trustees, officers, agents and employees as herein provided.

CONTRACTOR:_____

By: _____

VENDOR QUESTIONNAIRE

Completion required ONLY by MBE, WBE, and/or DOBE Vendors

Company Name: _____

Address: _____

City:_____ State:_____Zip: _____

Phone:_____Fax:_____E-Mail: _____

Commodity:_____ Years in Business: _____

DBE (Disadvantaged Business Enterprise) Classification: Please indicate your DBE classification below, and provide any agency certifications you have received.

- MBE (Minority-Owned Business Enterprise): A business that is at least 51 percent owned by one or more minorities. A person who is a U.S. citizen or lawful permanent resident and is African American, Hispanic American, Asian American, Native American, as well as other groups found to be disadvantaged pursuant to Section 8 (a) of the Small Business Act.
- WBE (Women-Owned Business Enterprise): A business that is at least 51 percent owned by a woman or women who are United States Citizens or lawful permanent residents of the United States.
- DOBE (Disability-Owned Business Enterprise): A business that is at least 51 percent owned by a person or group of persons with a disability, as recognized by the Americans with Disabilities Act.
- VOSB (Veteran-Owned Small Business): A business that meets the qualifications to be a small business according to the SBA, and is at least 51 percent owned, operated and controlled by a veteran.

Certifications:
Agency/Institution: _____

Phone:_____Approval Date: _____

I hereby certify that the information supplied in this form is complete and correct to the best of my knowledge and belief. I authorize The Village of Arlington Heights to verify any of this information as needed.

Signature:_____ Title:_____
Name: _____ Date: _____

SPECIAL CONDITIONS

2025 RESURFACING PROGRAM & SIDEWALK PROGRAM

SPECIFICATIONS

The following, except as modified, herein are incorporated by reference into the specifications and shall govern the work specified.

A. For general conditions, earthwork, base courses, pavement, storm sewers, curb and gutter and miscellaneous concrete, sidewalks, catch basins, manholes, etc.:

The "Standard Specifications for Road and Bridge Construction", adopted January 1, 2022. This will be referred to as "Standard Specifications" throughout these bid documents.

The "Supplemental Specifications and Recurring Special Provisions", adopted January 1, 2025.

B. For Traffic Control:

"Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", the latest edition in effect as of the date of bid opening.

C. For Water Main and Sanitary Sewer Construction:

The “Standard Specifications for Water and Sewer Main Construction in Illinois”, Eighth Edition.

ORDER OF PRECEDENCE

In the event of an inconsistency between provisions of this solicitation, the inconsistency shall be resolved by giving precedence in the following order:

(a) Special Provisions & Special Conditions
(b) Plans and Notes
(c) Recurring Special Provisions
(d) Supplemental Specifications
(e) General Conditions & Instructions to Bidders

Any inconsistencies the Contractor finds shall immediately be brought to the Engineers attention.

START DATES & COMPLETION DATES

All work under this bid shall be completed by **Friday, August 1, 2025**, except as follow:

All work on the CDBG street shall be complete by **Friday, June 27, 2025.** Also, all documentation is due by **Friday, July 31st, 2025**. All documentation shall be forwarded to Nora Boyer, Housing planner: nboyer@vah.com.

Marion St, Jules St, Somerset Ct and Olive St shall be completed after work is completed with overlapping contract but no later than **Friday, October 3rd 2025**

All work on Chicago Ave, Hawthorne St, Vine St and Harvard Ave shall be complete last, after all other work but no later than **Friday, October 3rd 2025.**

Final sod restoration must be complete no later than **Friday, October 3, 2025.**

Failure to complete the work on time or to comply with the scheduling restrictions described above will result in deductions for each day of overrun in contract time in accordance with Section 108 of the Standard Specifications.

Coordination with adjacent and/or overlapping contracts

This Contract abuts and/or overlaps with other concurrent contracts listed below. Each contract includes work items requiring close coordination between the various contractors regarding the sequence and timing of execution of work items. These critical items along with completion dates are listed after each contract.

Somerset Ct Court Basin Project (Village of Arlington Heights)

Critical items affecting the above contract: No work shall be preformed prior to completion of that project for Marion St, Jules St, Somerset Ct and Olive St

Completion date: TBD- Est to be completed end of July 2025

Contractor shall coordinate with the project Contractor to complete work items after completion thorough the Engineer.

HOURS OF CONSTRUCTION

The Contractor is authorized to work 7:00 a.m. to 8:00 p.m. Monday through Friday. If necessary, the Contractor may complete work on Saturday with approval from the Engineer, 8:00 a.m. to 5:00 p.m. Constructions activities on Sunday are prohibited. No work will be performed on holidays observed in Illinois. Construction activities are identified as the operation of heavy equipment, including but not limited to the warming up of any piece of equipment, dropping off equipment, or turning on engines.

SCHEDULE OF WORK

The Contractor shall submit a written sequence and timetable for completion of the work within 14 calendar days after award of contract.

The Contractor must notify the Village at least 48 hours in advance of any anticipated driveway closure. Driveway closures can occur only after the affected residents or businesses have been given minimum of 24 hours written notice from the Village. Work must be scheduled so that driveway closures shall not exceed a total of 10 working days. If the Contractor fails to restore all access to driveways within the time limits specified above, the Engineer will impose a daily monetary deduction for each 24-hour period (or portion thereof) the deficiency exists. This time period will begin with the time of notification from the Contractor and end with the Engineer's acceptance of the driveway access. For this project, the daily deduction will be one thousand dollars per day per driveway. No additional compensation will be given for the use of temporary stone to fulfill this requirement and should be included in the cost of the contract.

WORK CREW SUPERVISION

The Contractor shall provide qualified supervision of each crew at all times while working under this contract. A supervisor from the General Contractor shall be on the job site at all times. Each supervisor must be able to converse fluently in the English language.

The supervisor shall be authorized by the Contractor to accept and act upon all directives issued by the Engineer. Failure of the supervisor to act on said directives shall be sufficient cause to give notice that the Contractor is in default of the contract unless such directives would create potential personal injury or safety hazards.

RAILROAD FLAGGERS

It is the Contractor's sole responsibility to coordinate with the Union Pacific Railroad whenever construction activity is within 25 feet of the railroad ROW. The Contractor shall retain flagman employed and designated by the Union Pacific Railroad to monitor on-coming train traffic, and advise contractor personnel when activity on or near the railroad right-of-way may proceed. This item will be paid for according to article 107.12 and will be reimbursed according to article 109.05.

MATERIAL INSPECTION

Prior to placement of concrete, the concrete contractor should provide the Engineer with the proposed concrete mixture(s) anticipated per pay item, and the associated ready mix plant locations anticipated by the ready-mix supplier. The Engineer and Material Consultant shall review and approve proposed concrete mixture(s) prior to use. On dates of delivery, the concrete contractor must notify the Material Testing Consultant of the plant location and mixture anticipated for the placement date. Should a change of mixture be necessary, the Engineer and Material Testing Consultant should be notified prior to placement. Changing the plant location must be approved by the Material Testing Consultant before delivery and placement of the concrete can proceed.

All bituminous and concrete materials used on this project shall be tested and inspected. The Contractor shall notify the Village's material testing consultant to schedule the concrete plant and

hot mix asphalt plant inspections. The consultant must be notified no later than 3:00 p.m. the day before the inspections are to take place.

Company:	Construction & Geotechnical Materials Testing, Inc. (CGMT) 60 Martin Lane Elk Grove Village, IL 60007
Website:	www.cgmtinc.com
Contact:	Lori Egger
Phone:	630-595-1111
E-mail:	legger@cgmtinc.com with cc to mpatel@cgmtinc.com

2025 RESURFACING PROGRAM & SIDEWALK PROGRAM

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction", adopted January 1, 2022, the latest edition of the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways" and the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids and the "Supplemental Specifications and Recurring Special Provisions" adopted January 1, 2024, herein which apply to and govern the construction of the **2025 Resurfacing Program & Sidewalk Program** in case of conflict with any part or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

DESCRIPTION OF IMPROVEMENT: The Work included in this contract consists of furnishing all labor, materials, equipment, and other incidentals necessary for the completion of curb and gutter removal and replacement; sidewalk removal and replacement; bituminous and PCC driveway removal and replacement; class D pavement patching; class C pavement patching, bituminous pavement removal and resurfacing; adjustment of structures; structure reconstruction, structure replacement, parkway restoration; and other incidental and miscellaneous items of work in accordance with the Plans, Standard Specifications, and these Special Provisions.

***Pay items listed include contingency quantities to accommodate potential field condition changes necessary to complete the required scope of work.**

The bid proposal consists of the following:

1. MAINTENANCE OF ROADWAYS

Effective: September 30, 1985 Revised: November 1, 1996

Beginning on the date that work begins on this project, the Contractor shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the Engineer.

If items of work have not been provided in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

2. CONSTRUCTION DEBRIS

Add the following to the third paragraph of Article 202.03 of the Standard Specifications:

"The Contractor shall not conduct any generation, transportation, or recycling of construction or demolition debris, clean or general or uncontaminated soil generated during construction, remodeling, repair, and demolition of utilities, structures, and roads that is not commingled with any waste, without the maintenance of documentation identifying the hauler, generator, place of origin of the debris or soil, the weight or volume of

the debris or soil, and the location, owner, and operator of the facility where the debris or soil was transferred, disposed, recycled or treated. This documentation must be maintained by the Contractor for 3 years."

The IEPA"Uncontaminated Soil Certification by Licensed Profession Engineer" form LPC-662 will be provided for all work included in this contract

3. TRAFFIC CONTROL & PROTECTION

Traffic control shall be in accordance with the applicable sections of the "Standard Specifications for Road and Bridge Construction", the applicable guidelines contained in the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways" latest edition, the applicable sections of the "Standard Specifications for Traffic Control Items", and these Special Provisions.

Special attention is called to Article 107.09 and 107.14 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions, and Special Provisions contained herein relating to traffic control.

HIGHWAY STANDARDS: 701006-05, 701301-04, 701501-06, 701801-06, 701901-08

DETAILS:
Traffic Control Protection for Side Roads, Intersections, and Driveways (TC-10)
District One Typical Pavement Markings (TC-13)
Pavement Marking Letters and Symbols for Traffic Staging (TC-16)

SPECIAL PROVISIONS:
Keeping the Road Open to Traffic
Maintenance of Roadways
Work Zone Traffic Control Surveillance (LRS 3)

The Contractor shall obtain, erect, maintain, and remove all signs, barricades, flaggers, and other traffic control devices as may be necessary for the purposes of regulating, warning, or guiding traffic.

As a minimum, a Type I barricade with a flashing light is required at each end of each location where sidewalk is being installed.

At curb cuts less than 10' long, a single Type I barricade with a flashing light is the minimum required traffic control.

At curb cuts 10' or more in length, a minimum of two Type I barricades with flashing lights are required, with a maximum spacing of 20'.

Where curb is removed across driveways, a minimum of two Type I barricades with flashing lights are required, to be placed along the curb line.

Where driveways are being replaced, a single Type I barricade with a flashing light is required to be placed in the center of the driveway. This is in addition to the barricades required for any curb being replaced.

Prior to the start of work the Contractor shall have enough barricades, signs, and flaggers at the job site for the scheduled work. Barricades shall remain in place, as directed by the Engineer, until after the front filling and backfilling operations are complete. Traffic control devices shall not be moved from one location to another without prior notice and approval from the Engineer. If satisfactory traffic control as determined by the Engineer is not in place, the Engineer shall order work to be halted.

Basis of Payment: This work will be paid for at the contract unit price per LUMP SUM, measured in place, for TRAFFIC CONTROL & PROTECTION, which price shall include but not be limited to furnishing, placing, maintaining, and removing all traffic control devices, including all signs, barricades, cones, flaggers, arrow boards, and incidentals required to implement safe traffic control as specified herein and as directed by the Engineer.

4. COMBINATION CURB & GUTTER REMOVAL & REPLACEMENT *

This item of work shall occur at various locations as determined by the Engineer, and shall consist of full depth sawcutting, removing and disposing of existing M-3.12, M-6.12, B-6.12, B-6.24, or other concrete curb and gutter and forming and replacing with new concrete curb and gutter of the same type at the proper line and grade in accordance with applicable portions of Sections 440, 606 and 1006 of the Standard Specifications.

The Contractor must notify the Village at least 48 hours in advance of any concrete removal. Concrete removal can occur only after the affected residents or businesses have been given a minimum of 24 hours written notice from the Village.

A four-inch (4") subbase layer of compacted crushed stone, crushed limestone, or crushed concrete meeting the CA-6 gradation shall be placed to the proper line and grade under the proposed curb and gutter. This shall be included with this pay item and unit prices should reflect this requirement. Excavation to proper subgrade depth is also included with this pay item. The Contractor shall make every effort to protect street lighting cable and other utilities during the removal of the combination curb and gutter. The Contractor will pay for the re-installation of all street lighting cable or utilities lost due to carelessness by the Contractor.

The Contractor will be prohibited from using a pavement breaker or other highly destructive means as defined by the engineer for removing the curb and gutter. All material excavated under this item shall be immediately loaded and hauled away and shall not be stored in the street or parkway area.

All soft and yielding spots or other unsuitable material in the excavated subgrade below the proposed stone subbase shall be removed and replaced (at no extra cost to the contract) with compacted CA-6 crushed gravel, crushed stone, or crushed concrete. The Engineer shall inspect and approve all locations for subbase suitability and compaction.

Note that existing curb may be reinforced with two continuous steel reinforcement bars. When a section of curb being replaced is greater than 10 feet in length, two continuous #4 reinforcing bars shall be placed in the lower portion of the new curb as directed by the Engineer. Bent bars will not be allowed. A sufficient supply of cut bars (10-foot lengths) shall be on hand for sections of curb requiring bars of this length. The reinforcement bars shall be included with this pay item.

Expansion joints shall be placed at intervals not to exceed 60 ft and at junctions with existing curb. Contraction joints shall be placed at intervals not to exceed 12 ft. If adjacent to concrete pavement, expansion and contraction joints shall be placed at the same location as those existing in the adjacent concrete pavement. If adjacent to sidewalk, contraction joints shall be placed at intervals not to exceed 10 ft and shall be in line with the contraction joints in the adjoining sidewalk. When a structure exists within the section of curb to be replaced, doweled expansion joints are to be placed five (5) ft on each side of the structure. The cost of the expansion joint and dowels shall be included with this pay item.

New curb shall be placed within 72 hours of removal. Failure by the contractor to place the new curb within this time frame shall be cause for the Engineer to stop work on the project until the curb and gutter is placed.

Wood form boards must be minimum 2x10 for the front of the curb and minimum 2x12 or double 2x6 for the back of the curb. All replacement curb shall have a minimum gutter flag thickness of nine inches (9") or meet existing thickness, whichever is greater. The use of metal forms will be permitted as a back form only for sections of curb less than ten feet long and if such forms are a minimum of 12" deep.

Curing of the curb and gutter shall be done in accordance with the Special Provision for CONCRETE CURING and shall be included with this pay item.

Where the adjacent street base is removed because of the curb removal operation, it shall be replaced with a Portland cement concrete mixture having a cement content of 4.5 bags of cement per cubic yard, a top side aggregate not exceeding CA 7 gradation and having a nominal slump of 3" to 5". The mixture will be brought to an elevation of 3 ¼" below the gutter flag as directed by the engineer. The material shall be placed carefully and independently of the curb and gutter section, and only after all debris has been removed from the hole. **This operation shall be completed within 3 days after the curb forms are stripped and shall be included with this pay item.**

The Contractor shall restore driveway access by placing temporary stone to fill the gap between the existing driveway pavement and the new curb. Temporary stone shall also be used to fill the gap between the adjacent street pavement and all new curb after the cement concrete mixture has been placed in the gaps. The cost of this work and associated materials shall be included with this pay item.

All areas disturbed by curb and gutter removal and replacement operations shall be restored with topsoil and hydroseed in accordance with the special provisions for the pay item TOPSOIL AND HYDROSEED, SPECIAL. The limits of payment for topsoil and hydroseed will be six inches (6") behind the back of curb. Disturbed areas that are larger than 6" shall be restored with topsoil and sod at the Contractor's expense and shall be in accordance with the Special Provisions for TOPSOIL and SOD. **The Contractor shall backfill parkways with topsoil soil no later than seven (7) days after pouring concrete and removing forms.** Barricades in accordance with the Special Provision for TRAFFIC CONTROL & PROTECTION shall remain in place until the new curb and gutter is backfilled.

If a section of curb is removed and replaced where the existing parkway had settled, this area shallbe filled in with topsoil and replaced with sod in accordance with the special provisions for the pay item TOPSOIL AND SOD and as directed by the Engineer.

Basis of Payment: This item of work shall be paid for at the contract unit price per FOOT, measured after the initial full depth sawcut but before the removal operation begins, for COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT which price shall include all material, labor and equipment to perform the operation as specified herein. Topsoil and hydroseed behind the curb will be paid for at the contract unit price per FOOT, measured in place, which price shall include all material, labor and equipment to perform the operation in accordance with the Special Provision for TOPSOIL AND HYDROSEED, SPECIAL. For any areas where the existing parkway had settled, topsoil and sod will be paid for at the contract unit price per SQ YD, measured in place, which price shall include all material, labor and equipment to perform the operation in accordance with the Special Provision for TOPSOIL AND SOD.

5. P.C.C. SIDEWALK REMOVAL*

This item of work shall comply with the applicable portions of Section 440 of the Standard Specifications, except as follows:

All material excavated under this item shall be immediately loaded and hauled away and shall not be stored in the street or parkway area.

This work will be done in accordance with the Special Provision for TOPSOIL AND SOD and as directed by the Engineer.

Basis of Payment: This item of work will be paid for at the contract unit price per SQUARE FOOT, measured in place, for P.C.C. SIDEWALK REMOVAL, which price shall include all labor, materials, and equipment required to perform this operation. Topsoil and sod will be paid for at the contract unit price per SQ YD, measured in place, which price shall include all material, labor and equipment to perform the operation in accordance with the Special Provision for TOPSOIL AND SOD.

6. P.C.C. SIDEWALK REMOVAL AND REPLACEMENT, 5" or 6"*

This item of work shall comply with the applicable portions of Section 311, Section 440 and 424 of the Standard Specifications, and with the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way dated July 26, 2011, except as follows:

All sidewalks across residential driveways shall be 6" thick concrete. All other sidewalk shall be 5" thick concrete.

This operation shall take place at all locations as directed by the Engineer and shall consist of full depth saw cuts, removal and disposal of existing concrete, excavating any additional material necessary to assure proper depth and/or slope of subgrade, adding and compacting stone (CA-6 crushed stone or crushed concrete) and compacting existing base as needed, erecting forms and furnishing and placing new concrete.

If unsuitable material is present at the proposed subgrade, the unsuitable material shall be removed to a minimum of 5 inches below the proposed subgrade and replaced with approved and properly compacted CA-6 crushed stone or crushed concrete.

All material excavated under this item shall be immediately loaded and hauled away and shall not be stored in the street or parkway area.

Wood form boards must be minimum 2x6 for 5" and 6" sidewalk. The use of metal forms will be permitted if such forms meet the same depth criteria outlined above and the section of sidewalk is less than ten feet in length.

Curing of the sidewalk shall be done in accordance with the Special Provision for CONCRETE CURING and shall be included with this pay item.

Expansion joints shall NOT be placed between new and existing sidewalk. Expansion joints shall be placed at intervals of 50 ft or less on all sections of new sidewalk, greater than 50 ft in length.

All areas disturbed by the sidewalk removal and replacement operations shall be restored with topsoil and hydroseed in accordance with the Special Provision for TOPSOIL AND HYDROSEED as

directed by the Engineer. The restoration will be included with this pay item. **The Contractor shall backfill with top soil no later than seven (7) days after pouring concrete and removing forms.** Barricades in accordance with the Special Provision for TRAFFIC CONTROL & PROTECTION shall remain in place until the new sidewalk is backfilled.

If a section of sidewalk is removed and replaced where the existing parkway had settled, this area shall be filled in with topsoil and replaced with sod in accordance with the Special Provision for the pay item TOPSOIL AND SOD and as directed by the Engineer.

If a section of new sidewalk has been significantly lowered to meet the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way, the parkway shall be regraded, filled in with topsoil and replaced with sod in accordance with the Special Provisions for the pay items PARKWAY REGRADING, SPECIAL, and TOPSOIL AND SOD, as directed by the Engineer.

Basis of Payment: This work will be paid for at the contract unit price per SQUARE FOOT, measured in place, for P.C.C. SIDEWALK REMOVAL AND REPLACEMENT, 5", or P.C.C. SIDEWALK REMOVAL AND REPLACEMENT, 6", which price shall include all necessary materials, equipment, and labor to complete the work as specified. Topsoil and hydroseed restoration are included with this pay item.

7. BITUMINOUS CONCRETE DRIVEWAY REMOVAL & REPLACEMENT*

This item of work shall comply with the applicable portions of Sections 406 and 440 of the Standard Specifications except as follows:

This work shall occur at locations as specified by the Engineer and shall consist of a full depth sawcut, removal and disposal of existing driveway pavement to a depth of 3", grading and compacting of existing stone base, using extra aggregate fill as needed (no pavement grindings allowed), and paving with three inches (3") of Hot Mix Asphalt Surface Course, IL-9.5 Mix "D", N50, installed in two 1 ½" lifts. **The Contractor shall complete this work no later than fourteen (14) calendar days after affected residents have been provided access proceeding concrete operations.** If the Contractor fails to pave the driveways within the time limits specified above, the Engineer will impose a daily monetary deduction for each 24-hour period the deficiency exists. For this project, the daily deduction will be one thousand dollars per day per driveway.

Where the asphalt driveway is an overlay of a concrete driveway, no extra compensation will be given for removal of the concrete base or placement of CA-6 aggregate to bring up to proper elevation 3" below proposed surface.

All areas disturbed by driveway removal and replacement operations shall be restored with topsoil and hydroseed in accordance with the special provision for TOPSOIL AND HYDROSEED and shall be included with the pay item BITUMINOUS CONCRETE DRIVEWAY REMOVAL & REPLACEMENT**. The Contractor shall backfill with topsoil no later than 7 days after the bituminous driveways have been paved.**

The maximum amount of existing sod that can be disturbed during removal is 6". In the event more than 6" is disturbed, this area is to be replaced with topsoil and sod in accordance with the Special Provision for TOPSOIL AND SOD, as directed by the Engineer, and shall be included with the pay item BITUMINOUS CONCRETE DRIVEWAY REMOVAL & REPLACEMENT. Barricades in accordance with the Special Provision for TRAFFIC CONTROL & PROTECTION shall remain in place until the new driveway is backfilled.

All Hot Mix Asphalt of the type specified in the contract shall be certified by the Illinois Department of Transportation (IDOT) and come from an IDOT approved asphalt plant.

Basis of Payment: This work will be paid for at the contract unit price per SQUARE YARD, measured in place, for BITUMINOUS CONCRETE DRIVEWAY REMOVAL & REPLACEMENT, which price shall include all necessary materials, equipment, and labor to complete the work as specified. Topsoil, hydroseed and sod restoration is included with this pay item.

8. P.C.C. DRIVEWAY PAVEMENT REMOVAL & REPLACEMENT 6" or 8"*

This item of work shall comply with the applicable portions of Sections 423 and 440 of the Standard Specifications except as follows:

This work shall occur at locations determined by the Engineer and shall consist of a full depth sawcut, removal and disposal of existing concrete, adding stone (CA-6 crushed stone or crushed concrete) and compacting existing base as needed, erecting forms and furnishing and placing new concrete. All residential driveways will be 6" thick with expansion joints as needed. All commercial and industrial driveways will be 8" thick with expansion joints as needed. Wood form boards must be minimum 2x8. The use of metal forms will be permitted if such forms are 8" deep or greater.

Curing of the concrete driveways shall be done in accordance with the Special Provision for CONCRETE CURING and shall be included with this pay item.

All areas disturbed by driveway removal and replacement operations shall be restored with topsoil and hydroseed in accordance with the special provision for TOPSOIL AND HYDROSEED and shall be included with the pay item P.C.C. DRIVEWAY PAVEMENT REMOVAL & REPLACEMENT, 6" or 8". **The Contractor shall backfill with top soil no later than 7 days after pouring concrete and removing forms.**

The maximum amount of existing sod that can be disturbed during removal is 6". In the event more than 6" is disturbed, this area is to be replaced with topsoil and sod in accordance with the Special Provision for TOPSOIL AND SOD, as directed by the Engineer, and shall be included with the pay item P.C.C. DRIVEWAY REMOVAL & REPLACEMENT, 6" OR 8". Barricades in accordance with the Special Provision for TRAFFIC CONTROL & PROTECTION shall remain in place until the new driveway is backfilled.

Basis of Payment: This work will be paid for at the contract unit price per SQUARE YARD, measured in place, for P.C.C. DRIVEWAY PAVEMENT REMOVAL & REPLACEMENT, 6" or 8" which price shall include all necessary equipment, labor, and materials needed to complete the work as specified. Topsoil, hydroseed and sod restoration is included with this pay item.

9. BITUMINOUS SURFACE REMOVAL, 2" OR 3"

This item of work shall comply with the applicable portions of Section 440 of the Standard Specifications, except as follows:

This operation shall take place at all locations as directed by the Engineer. The pavement shall be milled full width and shall maintain the minimum milled depth (2" or 3") below the top of the gutter flag.

The following locations shall have the first lift of Hot Mix Asphalt Binder Course, IL-9.5, N50 placed within five (5) calendars days of bituminous surface removal:

- **Derbyshire Dr- Clarendon St to Oakton St**

- **Viator Ct- Derbyshire Dr to Clarendon St**
- **Oakton St- Arlington Heights Rd to Dryden Ave**
- **Walnut Ave- Oakton St to Hawthorne St**
- **Miner St- Ridge Ave to Highland Ave**
- **Highland Ave- Miner St to Wing St**

A butt joint shall be sawcut and milled at project limits as directed by the Engineer. Temporary wedges made of asphalt grindings, the full width of the pavement and one foot wide, shall be placed at all butt joints under this item to allow a smooth transition from the existing pavement to the milled surface. The wedges shall be placed immediately after the milling operation has been completed for each street under this item. **Failure to have transitional wedges installed at all new butt joints at the end of the work day shall be cause for the Engineer to stop all work until the wedges are installed.** The temporary wedge must remain in place and may be removed only if paving the final surface is expected within 24 hours. Should paving the final surface does not take place within 24 hours, the temporary wedge must be replaced. The cost of this work will be included with this pay item.

The milled material shall be loaded onto trucks and removed from the roadway immediately after the milling operation is completed and shall not be left in the roadway overnight. The milled material shall become the property of the Contractor and shall be removed and disposed of off-site.

Basis of Payment: This work will be paid for at the contract unit price per SQUARE YARD, measured in place, for BITUMINOUS SURFACE REMOVAL, 2" or BITUMINOUS SURFACEREMOVAL, 3", which price shall include all necessary material, equipment, and labor needed to perform the operation as specified herein.

10. CATCH BASINS, TYPE A, 4' DIA. or INLET, TYPE A OR B, 2' DIA*

This item of work shall comply with the applicable portions of Sections 602 and 605 of the Standard Specifications, except as follows:

This work shall occur at various locations as determined by the Engineer, and shall consist of full depth saw cutting around the existing structure, removal (and disposal if directed by the Engineer) of existing frame and grate, removing existing catch basin or inlet, replacing any damaged storm sewer with PVC Storm Sewer Type SDR-26 or approved equivalent storm sewer pipe to match the existing pipe, furnishing and setting new Catch Basin, 4' DIA. or Inlet, 2' DIA, backfilling with approved backfill material, setting existing frame and lid (or CHANGE FRAME AND LID if directed by the Engineer), and resealing the inside of the Catch Basin or Inlet. Concrete replacement shall be done in accordance with the Special Provision for COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, where applicable.

When connecting dissimilar materials for the storm sewer replacement, a properly sized mission coupling shall be used. Mortared joints are not acceptable.

Basis of Payment: This work shall be paid for at the contract unit price per EACH, measured in place, for CATCH BASINS, TYPE A, 4' DIA. or INLET, TYPE A OR B, 2' DIA which price shall include all necessary equipment, labor, and materials needed to complete the work as specified herein. Replacement concrete will be paid for at the contract unit price per FOOT, measured in place, for COMBINATION CONCRETE CURB AND GUTTER REMOVAL & REPLACEMENT, where applicable. New frames and grates will be paid for at the contract unit price per EACH, measured in place, for CHANGE FRAMES AND LIDS.

11. STRUCTURES TO BE RECONSTRUCTED*

This item of work shall comply with applicable portions of Sections 602 and 605 of the Standard Specifications, except as follows:

This classification shall include all those existing catch basins, manholes, inlets and valve vaults which must be reconstructed or which are to be adjusted to grade where more than 2 ft of masonry will be either added, removed, or rebuilt to bring the specified casting to the finished grade of the proposed pavement.

Basis of Payment: This work shall be paid for at the contract unit price per EACH, measured in place, for STRUCTURES TO BE RECONSTRUCTED, which price shall include all necessary equipment, labor, and materials needed to complete the work as specified herein. Replacement concrete will be paid for at the contract unit price per FOOT, measured in place, for COMBINATION CONCRETE CURB AND GUTTER REMOVAL & REPLACEMENT, where applicable. New frames and grates will be paid for at the contract unit price per EACH, measured in place, for CHANGE FRAMES AND LIDS.

12. FRAMES & LIDS TO BE ADJUSTED*

This item of work shall comply with the applicable portions of Sections 602 and 603 of the Standard Specifications.

Existing broken frames and lids shall be removed and disposed of by the Contractor and shall be replaced in accordance with the Special Provision and pay item for CHANGE FRAMES & LIDS, as directed by the Engineer.

Basis of Payment: This work shall be paid for at the contract unit price per EACH, measured in place, for FRAMES & LIDS TO BE ADJUSTED, which price shall include all necessary equipment, labor, and materials needed to complete the work as specified herein. New frames and grates will be paid for at the contract unit price per EACH, measured in place, for CHANGE FRAMES & LID.

13. CHANGE FRAMES & LIDS*

This item of work shall comply with the applicable portions of Section 604 of the Standard Specifications, except as follows:

The Village of Arlington Heights Public Works Department has arranged for the words "Arlington Heights" to be cast into all East Jordan Iron Works or approved equal castings. Therefore, all closed lid castings shall conform to the following product numbers:

Structure	Type	EJIW Product No.
Water Valve Vault	"Water"	102243
Storm M.H.	"Storm"	102244
Sanitary M.H.(w/gasket)	"Sanitary"	102245
Combined M.H.(w/gasket)	"Combined"	102262
Highback inlet		701068
ADA Sewer Grate (Type M3)		1020M3 (Product No. 102021)
Open Lid * 9” High Frame		1050Z1 (Product No. 105015)

Grate (Type M1) 1020M1

*(HDW Type M1 Radial Flat Grate or Type M2 Flat Bar Grate)102041-1020MZ Grate
All castings shall be coated with a non-toxic water based asphalt coating complying with AWWA C104. All closed lids shall have concealed pick holes.

Basis of Payment: This work will be paid for at the contract unit price per EACH, measured in place, for CHANGE FRAME & LID, which price shall include the furnishing of a new frame and lid as specified above. All work involved with setting the frames will be paid for at the contract unit price per EACH, measured in place, for either FRAMES & LIDS TO BE ADJUSTED, FRAMES & LIDS TO BE ADJUSTED, SPECIAL, STRUCTURES TO BE RECONSTRUCTED, CATCH BASIN, TYPE A, 4' DIA, or CATCH BASIN, TYPE A, 4' DIA where applicable.

14. BITUMINOUS MATERIALS (TACK COAT)

This item of work shall be performed in accordance with the applicable portions of Sections 1032 & 406 of the Standard Specifications, except as follows:

Before placing the bituminous mixture, the base, or base and gutter, shall be cleaned of all dust, dirt and foreign material and with dry conditions, the bituminous material, as specified for prime in Article 406.05, shall be applied uniformly at the rate of 0.05 lb/sqft for milled surfaced and 0.025 lb/sqft for prime coat applied to the binder, the exact rate to be specified by the Engineer.

The removal and disposal of dust, dirt, and foreign material from the area to be primed shall be included in the cost of the bituminous concrete item involved, and no extra compensation will be allowed for performing this work.

When directed by the Engineer, the prime coat shall be covered immediately following its application with fine aggregate mechanically spread at a uniform rate of 4 lbs per sq yd. The pavement shall be primed ½ width at a time. The prime coat on the second half-width shall not be applied until the prime coat on the first half-width has cured so that it will not pickup under traffic. In all instances, the priming operations shall be performed in such a manner that a minimum amount of interference will be caused to traffic. This work shall be performed in accordance with the Special Provision for FINE AGGREGATE, SPECIAL.

Basis of Payment: This work shall be paid for at the contract unit price per LB (POUND), measured in place, for BITUMINOUS MATERIALS (Tack Coat), which price shall include all necessary materials, equipment, and labor to complete the work as specified. The fine aggregate will be paid for at the contract unit price per TON, for FINE AGGREGATE, SPECIAL which price shall include all necessary materials, equipment and labor to complete the work as specified.

15. FINE AGGREGATE, SPECIAL

This item of work shall be performed in accordance with the applicable portions of Section 406 of the Standard Specifications.

Basis of Payment: This work shall be paid for at the contract unit price per TON, measured in place, for FINE AGGREGATE, SPECIAL, which price shall include all necessary materials, equipment, and labor to complete the work as specified. The liquid asphalt will be paid for at the contract unit price per GALLON, for BITUMINOUS MATERIALS (Prime Coat) which price shall include all necessary materials, equipment and labor to complete the work as specified.

16. MIXTURE FOR JOINTS, CRACKS & FLANGEWAYS*

This item of work shall be performed in accordance with the applicable portions of Section 406 of the Standard Specifications.

Basis of Payment: This work shall be paid for at the contract unit price per TON, measured in place, for MIXTURE FOR JOINTS, CRACKS & FLANGEWAYS, which price shall include all necessary materials, equipment, and labor to complete the work as specified.

17. CLASS D PATCHES, HOT MIX ASPHALT, SPECIAL*

Description. This work shall consist of all labor, materials and equipment necessary to construct Class D Patches at the locations shown on the plans and/ or as directed by the Engineer, a proof roll will be performed to identify all Class D patching locations. The work shall be performed according to Section 311, 3121 and 442 of the Standard Specifications, except as modified herein.

Class D Patches, Hot Mix Asphalt, Special, shall consist of full depth sawcutting, removal and disposal of existing asphalt or concrete pavement, subbase, and subgrade as necessary to a depth of 14 inches below the finished surface. The patch will be filled with 4 inches of compacted Subbase Granular Material, Type B (crushed concrete is not allowed), 8 ½ inches of Hot Mix Asphalt Binder Course, IL-19.0, N70 in accordance with the applicable portion of Sections 311 and 312 of the Standard Specifications and 1 ½" Hot Mix Asphalt Surface Course, Mix D, N50.

All holes, soft spots, and other defects in the subgrade shall be corrected by the
Contractor as directed by the Engineer by removing the unsuitable material, adding subbase granular material and recompacting the subgrade to the approval of the Engineer.

Class D Patches, Hot Mix Asphalt, of the type and thickness specified shall be designed and constructed in reference with the special provisions for Hot Mix Asphalt Concrete Mixtures.

All streets will be proof rolled after the surface has been removed and the first 1 ½" lift of Hot Mix Asphalt Binder Course, IL-9.5, N50 has been placed. This work will be included with the cost for CLASS D PATCHES, HOT MIX ASPHALT, SPECIAL**.**

All patches will be paid for as CLASS D PATCHES, HOT MIX ASPHALT, SPECIAL, regardless of the class and type of patch completed.

Basis of Payment: This work will be paid for at the contract unit price per SQUARE YARD, measured in place, for CLASS D PATCHES, HOT MIX ASPHALT, SPECIAL.

18. BITUMINOUS PAVEMENT SURFACE PATCHING, SPECIAL

This item of work shall comply with the applicable portions of Sections 406 and 440 of the Standard Specifications, except as follows:

This work shall occur at locations as specified by the Engineer and shall consist of a full depth sawcut, removal and disposal of existing pavement to a depth of 3", grading and compacting of existing stone base, using extra aggregate fill as needed (no pavement grindings allowed), and paving with three inches (3") of Hot Mix Asphalt Surface Course, Mix D, N50. **This item shall occur within ten (10) days of the stripping of the concrete forms.**

Basis of Payment: This work shall be paid for at the contract unit price per SQUARE YARD, measured in place, for BITUMINOUS PAVEMENT SURFACE PATCHING, SPECIAL, which price shall include all necessary materials, labor, and equipment needed to complete the work as specified herein.

19. TOPSOIL AND HYDROSEED*

This item of work shall comply with the applicable portions of Section 250 of the Standard Specifications, except as follows:

All parkways damaged by the removal and replacement of sidewalks and driveways shall be backfilled with a minimum of 4" of compacted, pulverized topsoil. The areas to be backfilled shall be cleaned of any debris before the placement of topsoil. These areas shall have 50% of the seed slit seeded or raked into the soil. The grass seed shall be 98% pure seed with a germination rate equal to or greater than 85%. The total seed applied shall be no less than 5 pounds per 1000 sq. ft.

Grass seeds shall be a mixture containing salt tolerant varieties using approximately the following percentages:

30% Park Kentucky Bluegrass
30% Dawson Creeping Red Fescue
30% Fults Puccinellia Distans
10% Goalie Perennial Ryegrass

Fifty percent (50%) of the seed shall be applied with a hydraulic seeder. The hydroseed mixture shall use virgin wood fibre that contains no paper or foreign matter. Hydroseeding mulch shall be applied at no less than 1500 pounds per acre.

The hydroseed mixture is to contain 6-24-24 (N-P-K) fertilizer equal to 250 pounds per acre.

All hydroseeding shall be done using a walk-along hose and nozzle for accurate application. A truck mounted nozzle for broadcast application will not be allowed.

No hydroseeding shall be done in July or August. This work shall be considered incidental to the contract.

The Contractor shall backfill with topsoil and have 50% of the seed raked into the soil for areas adjacent to sidewalks and driveways no later than 7 days after pouring concrete and stripping forms, or asphalt has been paved. The Contractor shall have the hydroseeding done no later than 14 calendar days after the areas have been backfilled with topsoil, except for the months of July and August. In July and August, only the topsoil and 50% of the seed raked into the top soil needs to be completed. If the Contractor fails to backfill restored areas with topsoil and seed, and complete hydroseeding within the time limits specified above, the Engineer will impose a daily monetary deduction for each 24-hour period (or portion thereof) the deficiency exists. For this project, the daily deduction will be two thousand dollars per day per street.

The Engineer shall be notified at least 24 to 48 hours in advance of performing any work specified in this item. The Engineer shall be present when the backfilling and seeding work is performed.

20. TOPSOIL AND HYDROSEED, SPECIAL*

This item of work shall comply with the applicable portions of Section 250 of the Standard Specifications, except as follows:

The parkway area behind the back of new curb and gutter shall first be backfilled with FA-6 to within four inches (4”) of the top of new curb and gutter. This area shall then be backfilled with a minimum of 4" of compacted, pulverized topsoil. The areas to be backfilled shall be cleaned of any debris before the placement of both the FA-6 and topsoil. The Contractor shall mechanically compact the topsoil at the time of placement to assure that future settlement does not occur. Any settlement that occurs will be corrected by the Contractor at no additional cost to the contract.

These areas shall have 50% of the seed slit seeded or raked into the soil. The grass seed shall be 98% pure seed with a germination rate equal to or greater than 85%. The total seed applied shall be no less than 5 pounds per 1000 sq. ft.

Grass seeds shall be a mixture containing salt tolerant varieties using approximately the following percentages:

30% Park Kentucky Bluegrass
30% Dawson Creeping Red Fescue
30% Fults Puccinellia Distans
10% Goalie Perennial Ryegrass

Fifty percent (50%) of the seed shall be applied with a hydraulic seeder. The hydroseed mixture shall use virgin wood fibre that contains no paper or foreign matter. Hydroseeding mulch shall be applied at no less than 1500 pounds per acre.

The hydroseed mixture is to contain 6-24-24 (N-P-K) fertilizer equal to 250 pounds per acre.

All hydroseeding shall be done using a walk-along hose and nozzle for accurate application. A truck mounted nozzle for broadcast application will not be allowed. No hydroseeding shall be done in July and August.

The Contractor shall backfill with topsoil and have 50% of the seed raked into the soil for areas behind new curb no later than 7 days after pouring concrete and stripping forms. The Contractor shall have the hydroseeding done no later than 14 calendar days after the areas have been backfilled with topsoil, except for the months of July and August. In July and August, only the topsoil and 50% of the seed raked into the top soil needs to be completed. If the Contractor fails to backfill restored areas with topsoil and seed, and complete hydroseeding within the time limits specified above, the Engineer will impose a daily monetary deduction for each 24-hour period (or portion thereof) the deficiency exists. For this project, the daily deduction will be two thousand dollars per day per street.

The Engineer shall be notified at least 24 to 48 hours in advance of performing any work specified in this item. The Engineer shall be present when the backfilling and seeding work is performed.

This work shall be paid for at the contract unit price per FOOT, measured in place, for TOPSOIL AND HYDROSEED, SPECIAL, which price shall include preparation of disturbed areas, furnishing and

placing topsoil, all fertilizer, supplemental watering and all other materials, labor, and equipment needed to complete the work as specified herein.

21. TOPSOIL AND SOD*

This item of work shall comply with the applicable portions of Section 252 of the Standard Specifications, except as follows:

This work shall consist of providing a minimum of four inches (4") of pulverized topsoil and sod in the areas indicated by the individual pay items. All debris shall be removed from the areas to be backfilled before any topsoil is placed. The area behind the back of new curb shall be backfilled with FA-6 to within four inches (4") of the top of new curb. The Contractor shall mechanically compact the topsoil at the time of placement to assure that future settlement does not occur. Any settlement that occurs will be corrected by the Contractor at no additional cost to the contract.

The Contractor shall backfill with topsoil all areas prepared for sod no later than 7 days after pouring concrete and stripping forms, or asphalt has been paved. The Contractor shall have the sod placed no later than 14 calendar days after the areas have been backfilled with topsoil, except for the months of July and August. In July and August, the areas only need to be backfilled with top soil. If the Contractor fails to backfill restored areas with topsoil and place the new sod within the time limits specified above, the Engineer will impose a daily monetary deduction for each 24-hour period (or portion thereof) the deficiency exists. For this project, the daily deduction will be two thousand dollars per day per street.

Topsoil and sod will be considered a pay item, for the following situations:

When the areas of the existing parkway have settled, when existing sidewalk is removed and not replaced, when the parkway is regraded, or as directed by the Engineer. These areas shall be brought to grade with new topsoil and replaced with sod. TOPSOIL AND SOD will be paid for at the contract unit price per SQ YD, measured in place, for TOPSOIL AND SOD.

As determined by the Engineer, any area disturbed by the Contractor that is not within the project limits, or is within the project limits but not part of the scope of the project shall be restored to this specification at **no additional cost to this contract**. This would include such disturbances as wheel ruts created because of vehicles maneuvering for sidewalk removal, curb and gutter removal or dumping asphalt, for example.

The Village will furnish all water to the Contractor at no cost. All water used must be metered and properly accounted. All requests and arrangements for water and water meter must be made through the Village Superintendent of Utilities, phone (847) 368-5800. All watering must be done in accordance with the Village sprinkling regulations.

Fertilizer shall conform to Section 252.03 and 1081.09 of the Standard Specifications. The placement and furnishing of the fertilizer shall be included in the cost of this pay item.

Water shall be applied to sod within two hours after it has been placed, and shall be watered every other day for a total of 15 additional waterings. Supplemental watering shall be performed when directed by the Engineer. The Engineer shall be notified 24 to 48 hours prior to watering operation taking place and shall be conducted when Engineer is present.

Basis of Payment: Except when included with the Contract and as described above, this work will be paid for at the contract unit price per SQUARE YARD, measured in place, for TOPSOIL AND SOD, which price shall include preparation of disturbed areas, furnishing and placing topsoil and sod, all fertilizer, supplemental watering and all other materials, equipment, and labor to complete the work as specified.

22. PARKWAY REGRADING, SPECIAL*

This item of work shall comply with the applicable portions of Section 212 of the Standard Specifications, except as follows:

If a section of new sidewalk has been significantly lowered to meet the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way, the parkway shall be regraded, filled in with topsoil and replaced with sod in accordance with the Special Provisions for the pay items PARKWAY REGRADING, SPECIAL; and TOPSOIL AND SOD, as directed by the Engineer.

Basis of Payment: Except when included with the Contract and as described above, this work will be paid for at the contract unit price per SQUARE YARD, measured in place, for PARKWAY REGRADING, SPECIAL, which price shall include all necessary materials, labor, and equipment needed to complete the work as specified herein.

23. DETECTABLE WARNINGS or DETECTABLE WARNINGS, RADIUS

This item of work shall be performed in accordance with Article 424.09 of the Standard Specifications, with the current Public Right-of-Way Accessibility Guidelines for Pedestrian Facilities.

Standard Drawings 424011-04 and 424016-05

Standard drawings except as modified herein: 424001-11, 424006-05, 424016-05, 424021-05 and 424026-03.

If the side curb is not necessary as determined by the Engineer, in lieu of the side curb detail for the Standard drawings, the Contractor will be allowed to construct a side flare meeting the requirements of the current Public Right-of-Way Accessibility Guidelines for Pedestrian Facilities.

This item shall be paid for at the contract unit price per SQUARE FOOT for DETECTABLE WARNINGS, and DETECTABLE WARNINGS, RADIUS which price shall include all labor, material, tools, equipment and services necessary to satisfactorily complete the installation of detectable warning plates.

24. CONCRETE CURING

All new concrete curb and gutter, sidewalks, and concrete driveways shall be cured according to Sections 1020 and 1022 of the Standard Specifications.

The Membrane Curing Method is the specified method of concrete curing for the curb and gutter, sidewalk and concrete driveways. The material used shall be an IDOT approved cure and seal. No Protective Coat is needed after the cure and seal is applied. **All concrete must be cured for a minimum 72 hours and no traffic will be allowed on the concrete during that period.**

25. TREE ROOTS

Any tree roots interfering with construction shall be hand trimmed. The roots shall be trimmed cleanly. After trimming the Contractor must immediately notify the Village Forester at (847) 368-5800. Roots must be left uncovered for 24-hours to allow for the Forester's inspection.

Basis of Payment: This item of work shall not be paid for separately, but be incidental to the contract.

26. DUST CONTROL

The Contractor shall take appropriate measures to control dust at all times along the entire project by means such as mechanical sweeping or as directed by the Engineer.

Basis of Payment: This item of work shall not be paid for separately, but be incidental to the contract.

27. SPRINKLER SYSTEMS

Residents will be given one week notice of impending construction activity through leaflets to be delivered by the Village. The leaflet will contain a request for any residents with sprinkler systems to notify the Engineer and to mark the sprinkler heads. Any sprinkler system damaged that had been marked will be the responsibility of the Contractor to repair, or reimburse for repairs done by the homeowner. The Contractor will not be responsible for locations that have sprinkler systems but fail to notify the Village.

Basis of Payment: This item of work shall not be paid for separately, but be incidental to the contract.

28. BRICK DRIVEWAYS OR BRICK SIDEWALK

For concrete removal adjacent to a brick driveway or brick sidewalk, the Contractor shall use caution when removing the bricks and shall only remove the bricks necessary for the replacement of the concrete. The bricks shall be carefully set off to the side for replacement by the homeowner.

Basis of Payment: This item of work shall not be paid for separately, but be incidental to the contract.

29. SAWCUTTING

Sawcutting shall be included with the pay item being removed. All sawcuts shall be full depth. The use of water from residential homes using garden hoses, etc. is strictly forbidden. All water to be used for sawcutting shall be obtained from the Village and arrangements for use must be made through the Village Superintendent of Utilities, phone (847) 368-5800.

Basis of Payment: This item of work shall not be paid for separately, but be incidental to the contract.

30. MOBILIZATION

This contract contains no provisions for Mobilization. Therefore, Section 671 of the Standard Specifications is deleted.

31. ADJUSTMENTS AND RECONSTRUCTIONS (DISTRICT 1)*

Effective: March 15, 2011

Revise the first paragraph of Article 602.04 to read:

"**602.04 Concrete.** Cast-in-place concrete for structures shall be constructed of Class SI concrete according to the applicable portions of Section 503. Cast-in-place concrete for pavement patching around adjustments and reconstructions shall be constructed of Class PP-1 concrete, unless otherwise noted in the plans, according to the applicable portions of Section 1020."

Revise the third, fourth and fifth sentences of the second paragraph of Article 602.11(c) to read:

"Castings shall be set to the finished pavement elevation so that no subsequent adjustment will be necessary, and the space around the casting shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b."

Revise Article 603.05 to read:

"**603.05 Replacement of Existing Flexible Pavement.** After the castings have been adjusted, the surrounding space shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b."

Revise Article 603.06 to read:

"**603.06 Replacement of Existing Rigid Pavement.** After the castings have been adjusted, the pavement and HMA that was removed, shall be replaced with Class PP-1 concrete, unless otherwise noted in the plans, not less than 9 in. (225 mm) thick. The pavement may be opened to traffic according to Article 701.17(e)(3)b.

The surface of the Class PP concrete shall be constructed flush with the adjacent surface."

Revise the first sentence of Article 603.07 to read:

"**603.07 Protection Under Traffic.** After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b."

39. DRAINAGE AND INLET PROTECTION UNDER TRAFFIC (DISTRICT 1)

Effective: April 1, 2011
Revised: April 2, 2011

Add the following to Article 603.02 of the Standard Specifications:

(i) Temporary Hot-Mix Asphalt (HMA) Ramp (Note 1).....1030
(j) Temporary Rubber Ramps (Note 2)

Note 1. The HMA shall have maximum aggregate size of 3/8 in. (95 mm).

Note 2. The rubber material shall be according to the following.

Property	Test Method	Requirement
Durometer Hardness, Shore A	ASTM D 2240	75 ±15
Tensile Strength, psi (kPa)	ASTM D 412	300 (2000) min
Elongation, percent	ASTM D 412	90 min
Specific Gravity	ASTM D 792	1.0 - 1.3
Brittleness, °F (°C)	ASTM D 746	-40 (-40)”

Revise Article 603.07 of the Standard Specifications to read:

“**603.07Protection Under Traffic.** After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b.

When castings are under traffic before the final surfacing operation has been started, properly sized temporary ramps shall be placed around the drainage and/or utility castings according to the following methods.

(a) Temporary Asphalt Ramps. Temporary hot-mix asphalt ramps shall be placed around the casting, flush with its surface and decreasing to a featheredge in a distance of 2 ft (600 mm) around the entire surface of the casting.

(b) Temporary Rubber Ramps. Temporary rubber ramps shall only be used on roadways with permanent posted speeds of 40 mph or less and when the height of the casting to be protected meets the proper sizing requirements for the rubber ramps as shown below.

Dimension	Requirement
Inside Opening	Outside dimensions of casting + 1 in. (25 mm)
Thickness at inside edge	Height of casting ± 1/4 in. (6 mm)
Thickness at outside edge	1/4 in. (6 mm) max.
Width, measured from inside opening to outside edge	8 1/2 in. (215 mm) min

Placement shall be according to the manufacturer’s specifications.

Temporary ramps for castings shall remain in place until surfacing operations are undertaken within the immediate area of the structure. Prior to placing the surface course, the temporary ramp shall be removed. Excess material shall be disposed of according to Article 202.03."

40. FRICTION AGGREGATE (D1)

Effective: January 1, 2011
Revised: December 1, 2021

Revise Article 1004.03(a) of the Standard Specifications to read:

"**1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA).** The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

Use	Mixture	Aggregates Allowed
Class A	Seal or Cover	Allowed Alone or in Combination [5/]: Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete
HMA Low ESAL	Stabilized Subbase or Shoulders	Allowed Alone or in Combination [5/]: Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag[1/] Crushed Concrete
HMA High ESAL Low ESAL	Binder IL-19.0 or IL-19.0L SMA Binder	Allowed Alone or in Combination [5/ 6/]: Crushed Gravel Carbonate Crushed Stone[2/] Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Concrete[3/]
HMA High ESAL Low ESAL	C Surface and Binder IL-9.5 IL-9.5FG or IL-9.5L	Allowed Alone or in Combination [5/]: Crushed Gravel Carbonate Crushed Stone[2/] Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag[4/] Crushed Concrete[3/]

<table>
<tr><th>Use</th><th>Mixture</th><th colspan="2">Aggregates Allowed</th></tr>
<tr><td rowspan="5">HMA
High ESAL</td><td rowspan="5">D Surface and Binder
IL-9.5
or IL-9.5FG</td><td colspan="2"><u>Allowed Alone or in Combination</u> [5/]:

Crushed Gravel
Carbonate Crushed Stone (other than Limestone)[2/]
Crystalline Crushed Stone
Crushed Sandstone
Crushed Slag (ACBF)
Crushed Steel Slag[4/]</td></tr>
<tr><td colspan="2"><u>Other Combinations Allowed:</u></td></tr>
<tr><td>Up to...</td><td>With...</td></tr>
<tr><td>25% Limestone</td><td>Dolomite</td></tr>
<tr><td>50% Limestone</td><td>Any Mixture D aggregate other than Dolomite</td></tr>
<tr><td>75% Limestone</td><td>Crushed Slag (ACBF) or Crushed Sandstone</td></tr>
<tr><td rowspan="5">HMA
High ESAL</td><td rowspan="5">E Surface
IL-9.5

SMA
Ndesign 80
Surface</td><td colspan="2"><u>Allowed Alone or in Combination</u> [5/ 6/]:

Crushed Gravel
Crystalline Crushed Stone
Crushed Sandstone
Crushed Slag (ACBF)
Crushed Steel Slag

No Limestone.</td></tr>
<tr><td colspan="2"><u>Other Combinations Allowed:</u></td></tr>
<tr><td>Up to...</td><td>With...</td></tr>
<tr><td>50% Dolomite[2/]</td><td>Any Mixture E aggregate</td></tr>
<tr><td>75% Dolomite[2/]</td><td>Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone</td></tr>
<tr><td>75% Crushed Gravel[2/]</td><td>Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag</td></tr>
</table>

<table>
<tr><td>Use</td><td>Mixture</td><td colspan="2">Aggregates Allowed</td></tr>
<tr><td rowspan="3">HMA
High ESAL</td><td rowspan="3">F Surface
IL-9.5

SMA
Ndesign 80
Surface</td><td colspan="2"><u>Allowed Alone or in Combination</u> [5/ 6/]:

Crystalline Crushed Stone
Crushed Sandstone
Crushed Slag (ACBF)
Crushed Steel Slag
No Limestone.</td></tr>
<tr><td colspan="2"><u>Other Combinations Allowed</u>:</td></tr>
<tr><td>Up to...</td><td>With...</td></tr>
<tr><td></td><td>50% Crushed Gravel[2/] or Dolomite[2/]</td><td>Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone</td></tr>
</table>

1/ Crushed steel slag allowed in shoulder surface only.
2/ Carbonate crushed stone (limestone) and/or crushed gravel shall not be used in SMA Ndesign 80.
3/ Crushed concrete will not be permitted in SMA mixes.
4/ Crushed steel slag shall not be used as binder.
5/ When combinations of aggregates are used, the blend percent measurements shall be by volume."
6/ Combining different types of aggregate will not be permitted in SMA Ndesign 80."

41. HOT-MIX ASPHALT BINDER AND SURFACE COURSE (D1)

Effective: November 1, 2019
Revised: December 1, 2021

Revise Article 1004.03(c) to read:

"(c) Gradation. The coarse aggregate gradations shall be as listed in the following table.

Use	Size/Application	Gradation No.
Class A-1, A-2, & A-3	3/8 in. (10 mm) Seal	CA 16 or CA 20
Class A-1	1/2 in. (13 mm) Seal	CA 15
Class A-2 & A-3	Cover Coat	CA 14
HMA High ESAL	IL-19.0; Stabilized Subbase IL-19.0	CA 11 1/
	SMA 12.5 2/	CA 13 4/, CA 14, or CA 16
	SMA 9.5 2/	CA 13 3/4/ or CA 16 3/
	IL-9.5	CA 16, CM 13 4/
	IL-9.5FG	CA 16
HMA Low ESAL	IL-19.0L	CA 11 1/
	IL-9.5L	CA 16

1/ CA 16 or CA 13 may be blended with the CA 11.

2/ The coarse aggregates used shall be capable of being combined with the fine aggregates and mineral filler to meet the approved mix design and the mix requirements noted herein.

3/ The specified coarse aggregate gradations may be blended.

4/ CA 13 shall be 100 percent passing the 1/2 in. (12.5mm) sieve."

Revise Article 1004.03(e) of the Supplemental Specifications to read:

"(e) Absorption. For SMA the coarse aggregate shall also have water absorption ≤ 2.0 percent."

Revise the "High ESAL" portion of the table in Article 1030.01 to read:

"High ESAL	Binder Courses	IL-19.0, IL-9.5, IL-9.5FG, IL-4.75, SMA 12.5, Stabilized Subbase IL-19.0
	Surface Courses	IL-9.5, IL-9.5FG, SMA 12.5, SMA 9.5"

Revise Note 2. and add Note 6 to Article 1030.02 of the Standard Specifications toread:

"Item	Article/Section
(g) Performance Graded Asphalt Binder (Note 6)	1032
(h) Fibers (Note 2)	

Note 2. A stabilizing additive such as cellulose or mineral fiber shall be added to the SMA mixture according to Illinois Modified AASHTO M 325. The stabilizing additive shall meet the Fiber Quality Requirements listed in Illinois Modified AASHTO M 325. Prior to approval and use of fibers, the Contractor shall submit a notarized certification by the producer of these materials stating they meet these requirements. Reclaimed Asphalt Shingles (RAS) may be used in Stone Matrix Asphalt (SMA) mixtures designed with an SBA polymer modifier as a fiber additive if the mix design with RAS included meets AASHTO T305 requirements. The RAS shall be from a certified source that produces either Type I or Type 2. Material shall meet requirements noted herein and the actual dosage rate will be determined by the Engineer.

Note 6. The asphalt binder shall be an SBS PG 76-28 when the SMA is used on a full-depth asphalt pavement and SBS PG 76-22 when used as an overlay, except where modified herein. The asphalt binder shall be a SBS PG 76-22 for IL-4.75, except where modified herein.."

Revise table in Article 1030.05(a) of the Standard Specifications to read:

"MIXTURE COMPOSITION (% PASSING) 1/												
Sieve Size	IL-19.0 mm		SMA 12.5		SMA 9.5		IL-9.5mm		IL-9.5FG		IL-4.75 mm	
	min	max	min	max	min	max	min	max	min	max	min	max
1 1/2 in (37.5 mm)												
1 in. (25 mm)		100										
3/4 in. (19 mm)	90	100		100								
1/2 in. (12.5 mm)	75	89	80	100		100		100		100		100
3/8 in. (9.5 mm)				65	90	100	90	100	90	100		100
#4 (4.75 mm)	40	60	20	30	36	50	34	69	60	75 6/	90	100
#8 (2.36 mm)	20	42	16	24 4/	16	32 4/	34 5/	52 2/	45	60 6/	70	90
#16 (1.18 mm)	15	30					10	32	25	40	50	65
#30 (600 μm)			12	16	12	18			15	30		
#50 (300 μm)	6	15					4	15	8	15	15	30
#100 (150 μm)	4	9					3	10	6	10	10	18
#200 (75 μm)	3.0	6.0	7.0	9.0 3/	7.5	9.5 3/	4.0	6.0	4.0	6.5	7.0	9.0 3/
#635 (20 μm)			≤ 3.0		≤ 3.0							
Ratio Dust/Asphalt Binder		1.0		1.5		1.5		1.0		1.0		1.0

1/ Based on percent of total aggregate weight.

2/ The mixture composition shall not exceed 44 percent passing the #8 (2.36 mm) sieve for surface courses with Ndesign = 90.

3/ Additional minus No. 200 (0.075 mm) material required by the mix design shall be mineral filler, unless otherwise approved by the Engineer.
4/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted above the percentage stated on the table.

5/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted below 34 percent.
6/ When the mixture is used as a binder, the maximum shall be increased by 0.5 percent passing."

Revise Article 1030.05(b) of the Standard Specifications to read:

(b) Volumetric Requirements. The target value for the air voids of the HMA shall be 4.0 percent, for IL-4.75 and SMA mixtures it shall be 3.5 percent and for Stabilized Subbase it shall be 3.0 percent at the design number of gyrations. The voids in the mineral aggregate (VMA) and voids filled with asphalt binder (VFA) of the HMA design shall be based on the nominal maximum size of the aggregate in the mix and shall conform to the following requirements.

	Voids in the Mineral Aggregate (VMA), % Minimum for Ndesign				
Mix Design	30	50	70	80	90
IL-19.0		13.5	13.5		13.5
IL-9.5		15.0	15.0		
IL-9.5FG		15.0	15.0		
IL-4.75[1/]		18.5			
SMA-12.5[1/2/5/]				17.0[3/]/16.0[4/]	
SMA-9.5[1/2/5/]				17.0[3/]/16.0[4/]	
IL-19.0L	13.5				
IL-9.5L	15.0				

1/ Maximum draindown shall be 0.3 percent according to Illinois Modified AASHTO T 305.

2/ The draindown shall be determined at the JMF asphalt binder content at the mixing temperature plus 30°F.

3/ Applies when specific gravity of coarse aggregate is ≥ 2.760.

4/ Applies when specific gravity of coarse aggregate is < 2.760.

5/ For surface course, the coarse aggregate can be crushed steel slag, crystalline crushed stone or crushed sandstone. For binder course, coarse aggregate shall be crushed stone (dolomite), crushed gravel, crystalline crushed stone, or crushed sandstone"

Revise the last paragraph of Article 1102.01 (a) (5) of the Standard Specifications to read:

"IL-4.75 and Stone Matrix Asphalt (SMA) mixtures which contain aggregate having absorptions greater than or equal to 2.0 percent, or which contain steal slag sand, shall have minimum surge bin storage plus haul time of 1.5 hours."

Add after third sentence of Article 1030.09(b) to read:

" If the Contractor and Engineer agree the nuclear density test method is not appropriate for the mixture, cores shall be taken at random locations determined according to the QC/QA document "Determination of Random Density Test Site Locations". Core densities shall be determined using the Illinois Modified AASHTO T 166 or T 275 procedure."

Revise Table 1 and Note 4/ of Table 1 in Article 406.07(a) of the Standard Specifications to read:

	Breakdown/Intermediate Roller (one of the following)	Final Roller (one or more of the following)	Density Requirement
IL-9.5, IL-9.5FG, IL-19.0 1/	V_D, P , T_B, 3W, O_T, O_B	V_S, T_B, T_F, O_T	As specified in Section 1030
IL-4.75 and SMA 3/ 4/	T_B, 3W, O_T	T_F, 3W	As specified in Section 1030
Mixtures on Bridge Decks 2/	T_B	T_F	As specified in Articles 582.05 and 582.06.

"4/ The Contractor shall provide a minimum of two steel-wheeled tandem rollers (T_B), and/or three-wheel (3W) rollers for breakdown, except one of the (T_B) or (3W) rollers shall be 84 inches (2.14 m) wide and a weight of 315 pound per linear inch (PLI) (5.63 kg/mm) and one of the (T_B) or (3W) rollers can be substituted for an oscillatory roller (O_T). T_F rollers shall be a minimum of 280 lb/in. (50 N/mm). The 3W and T_B rollers shall be operated at a uniform speed not to exceed 3 mph (5 km/h), with the drive roll for T_B rollers nearest the paver and maintain an effective rolling distance of not more than 150 ft (45 m) behind the paver."

Add the following after the fourth paragraph of Article 406.13 (b):

"The plan quantities of SMA mixtures shall be adjusted using the actual approved binder and surface Mix Design's G_{mb}."

Revise first paragraph of Article 1030.10 of the Standard Specifications to read:

"A test strip of 300 ton (275 metric tons), except for SMA mixtures it will be 400 ton (363 metric ton), will be required for each mixture on each contract at the beginning of HMA production for each construction year according to the Manual of Test Procedures for Materials "Hot Mix Asphalt Test Strip Procedures". At the request of the Producer, the Engineer may waive the test strip if previous construction during the current construction year has demonstrated the constructability of the mix using Department test results."

Revise third paragraph of Article 1030.10 of the Standard Specifications to read:

"When a test strip is constructed, the Contractor shall collect and split the mixture according to the document "Hot-Mix Asphalt Test Strip Procedures". The Engineer, or a representative, shall deliver split sample to the District Laboratory for verification testing. The Contractor shall complete mixture tests stated in Article 1030.09(a). Mixture sampled shall include enough material for the Department to conduct mixture tests detailed in Article 1030.09(a) and in the document "Hot-Mix Asphalt Mixture Design Verification Procedure" Section 3.3. The mixture test results shall meet the requirements of Articles 1030.05(b) and 1030.05(d), except Hamburg wheel tests will only be conducted on High ESAL mixtures during production."

42. PUBLIC CONVENIENCE AND SAFETY (DIST 1)

Effective: May 1, 2012
Revised: July 15, 2012

Add the following to the end of the fourth paragraph of Article 107.09:

> "If the holiday is on a Saturday or Sunday, and is legally observed on a Friday or Monday, the length of Holiday Period for Monday or Friday shall apply."

Add the following sentence after the Holiday Period table in the fourth paragraph of Article 107.09:

> "The Length of Holiday Period for Thanksgiving shall be from 5:00 AM the Wednesday prior to 11:59 PM the Sunday After"

Delete the fifth paragraph of Article 107.09 of the Standard Specifications:

> "On weekends, excluding holidays, roadways with Average Daily Traffic of 25,000 or greater, all lanes shall be open to traffic from 3:00 P.M. Friday to midnight Sunday except where structure construction or major rehabilitation makes it impractical."

43. TRENCH BACKFILL

This item of work shall occur at various locations as shown on the plans and as determined by the Engineer in accordance with applicable portions of Section 208 of the Standard Specifications, except as follows"

Material shall consist of course aggregate meeting the CA-6 gradation. The trench backfill shall be mechanically compacted in one foot (1.0') lifts. Under the roadway, measurement of depth shall be taken to the final pavement elevation.

Basis of Payment: This item of work shall be paid for at the contract unit price per CU YD for TRENCH BACKFILL, which price shall include all material, labor and equipment to perform the operation as specified herein.

44. GRADING AND SHAPING DITCHES

This item of work shall occur at various locations as shown on the plans and as determined by the Engineer in accordance with applicable portions of Section 214 of the Standard Specifications, except as follows:

This item is intended to cover general re-shaping of the ground the width of the easement or parkway to establish proper drainage where indicated on the plans.

Basis of Payment: This item of work shall be paid for at the contract unit price per FOOT for GRADING AND SHAPING DITCHES, which price shall include all material, labor and equipment to perform the operation as specified herein

45. TOPSOIL FURNISH AND PLACE 4''

This item of work shall occur at various locations as shown on the plans and as determined by the Engineer in accordance with applicable portions of Section 211 of the Standard Specifications.

Basis of Payment: This item of work shall be paid for at the contract unit price per SQ YD for TOPSOIL FURNISH AND PLACE, 4", which price shall include all material, labor and equipment to perform the operation as specified herein.

46. SEEDING, CLASS 1A

This item of work shall occur at various locations as shown on the plans and as determined by the Engineer in accordance with applicable portions of Section 250 of the Standard Specifications.

Basis of Payment: This item of work shall be paid for at the contract unit price per SQ YD for SEEDING, CLASS 1A, which price shall include all material, labor and equipment to perform the operation as specified herein.

47. TEMPORARY EROSION CONTROL BLANKET

These items of work shall occur at various locations as shown on the plans and as determined by the Engineer in accordance with applicable portions of Section 280 of the Standard Specifications.

Basis of Payment: These items of work shall be paid for at the contract unit prices per EACH for INLET FILTERS; EACH for INLET AND PIPE PROTECTION; or per SQ YD for TEMPORARY EROSION CONTROL BLANKET, which prices shall include all material, labor and equipment to perform the operations as specified herein.

48. STORM SEWER, PVC SDR-26, TY 1, 12"

These items of work shall occur at various locations as shown on the plans and as determined by the Engineer in accordance with applicable portions of Section 550 of the Standard Specifications.

All pipe connections to drainage structures shall be booted in conformance with ASTM C-923.

Basis of Payment: These items of work shall be paid for at the contract unit prices per FOOT for **STORM SEWER, PVC SDR-26, TY 1, 12" W**hich prices shall include all material, labor and equipment to perform the operation as specified herein.

49. CORE & BOOT EXISTING STRUCTURE

This item of work shall occur at various locations as shown on the plans and as determined by the Engineer in accordance with applicable portions of Section 550 of the Standard Specifications, except as follows:

Structure wall (manhole or catch basin) to be machine cored. Boot to meet the requirements of ASTM C-923.

Basis of Payment: This item of work shall be paid for at the contract unit price per EACH for CORE & BOOT EXISTING STRUCTURE, which price shall include all material, labor and equipment to perform the operation as specified herein.

50. CATCH BASIN, TY A, 4’ DIA., TYPE 8 GRATE

These items of work shall occur at various locations as shown on the plans and as determined by the Engineer in accordance with applicable portions of Section 602 of the Standard Specifications, except as follows:

All pipe connections to drainage structures shall be booted in conformance with ASTM C-923.

The Village of Arlington Heights Public Works Department has arranged for the words
"Arlington Heights" to be cast into all East Jordan Iron Works or approved equal castings.
all closed lid castings shall conform to the following product numbers:
Structure Type EJIW Product No.
Water Valve Vault “Water" 102243
Storm M.H. "Storm" 102244
Sanitary M.H.(w/gasket) "Sanitary" 102245
Combined M.H.(w/gasket) "Combined" 102262
Highback inlet 701068
ADA Sewer Grate 1020M3
Open Lid * 1050Z1
* (HDW Type M1 Radial Flat Grate or Type M2 Flat Bar Grate)
All closed lids shall have concealed pick holes.

Basis of Payment: These items of work shall be paid for at the contract unit prices per EACH for CATCH BASIN, TY A, 4’ DIA., TY 8 GRATE which prices shall include all material, labor and equipment to perform the operation as specified herein. An inlet filter shall be included and incidental to the Catch Basin structure.

Illinois Department of Transportation

Affidavit of Availability

For the Letting of

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

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Contract With						
Estimated Completion Date						
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Pavement Markings (Paint)						
Other Construction (List)						
Totals						

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Notary

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Officer or Director

Title

Signature Date

Company

Address

City State Zip Code

Subscribed and sworn to before me

this_____day of_____, _____

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(Signature of Notary Public)

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INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2025

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS, frequently used RECURRING SPECIAL PROVISIONS, and LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS.

ERRATA Standard Specifications for Road and Bridge Construction
(Adopted 1-1-22) (Revised 1-1-25)

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Illinois Department of Transportation

Check Sheet for Recurring Special Provisions

Local Public Agency	County	Section Number
VILLAGE OF ARLINGTON HEIGHTS	Cook	

☐ **Check this box for lettings prior to 01/01/2025**

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Local Public Agency	County	Section Number
VILLAGE OF ARLINGTON HEIGHTS	Cook	

The Following Local Roads And Streets Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

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BDE SPECIAL PROVISIONS
For the January 17 and March 7, 2025 Lettings

The following special provisions indicated by a “check mark” are applicable to this contract and will be included by the Project Coordination and Implementation Section of the Bureau of Design & Environment (BDE).

	File Name	#		Special Provision Title	Effective	Revised
	80099	1	☐	Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2022
	80274	2	☐	Aggregate Subgrade Improvement	April 1, 2012	April 1, 2022
	80192	3	☐	Automated Flagger Assistance Devices	Jan. 1, 2008	April 1, 2023
	80173	4	☐	Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
	80426	5	☐	Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
*	80241	6	☐	Bridge Demolition Debris	July 1, 2009	
*	5053I	7	☐	Building Removal	Sept. 1, 1990	Aug. 1, 2022
*	5026I	8	☐	Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
	80460	9	☒	Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar	Jan. 1, 2025	
	80384	10	☒	Compensable Delay Costs	June 2, 2017	April 1, 2019
*	80198	11	☐	Completion Date (via calendar days)	April 1, 2008	
*	80199	12	☐	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
	80461	13	☐	Concrete Barrier	Jan. 1, 2025	
	80453	14	☒	Concrete Sealer	Nov. 1, 2023	
	80261	15	☒	Construction Air Quality – Diesel Retrofit	June 1, 2010	Jan. 1, 2025
*	80029	16	☐	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Mar. 2, 2019
	80229	17	☐	Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
	80452	18	☐	Full Lane Sealant Waterproofing System	Nov. 1, 2023	
	80447	19	☐	Grading and Shaping Ditches	Jan. 1, 2023	
	80433	20	☐	Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
	80456	21	☒	Hot-Mix Asphalt	Jan. 1, 2024	Jan. 1, 2025
	80446	22	☐	Hot-Mix Asphalt - Longitudinal Joint Sealant	Nov. 1, 2022	Aug. 1, 2023
	80438	23	☐	Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	April 2, 2024
	80450	24	☐	Mechanically Stabilized Earth Retaining Walls	Aug. 1, 2023	
	80441	25	☐	Performance Graded Asphalt Binder	Jan. 1, 2023	
	80459	26	☐	Preformed Plastic Pavement Marking	June 2, 2024	
*	3426I	27	☐	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
	80455	28	☐	Removal and Disposal of Regulated Substances	Jan. 1, 2024	April 1, 2024
	80445	29	☒	Seeding	Nov. 1, 2022	
	80457	30	☐	Short Term and Temporary Pavement Markings	April 1, 2024	April 2, 2024
	80462	31	☐	Sign Panels and Appurtenances	Jan. 1, 2025	
	80448	32	☐	Source of Supply and Quality Requirements	Jan. 2, 2023	
	80340	33	☐	Speed Display Trailer	April 2, 2014	Jan. 1, 2022
	80127	34	☐	Steel Cost Adjustment	April 2, 2004	Jan. 1, 2022
	80397	35	☐	Subcontractor and DBE Payment Reporting	April 2, 2018	
	80391	36	☐	Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
	80437	37	☐	Submission of Payroll Records	April 1, 2021	Nov. 2, 2023
	80435	38	☒	Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
*	20338	39	☐	Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
	80429	40	☐	Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
	80439	41	☒	Vehicle and Equipment Warning Lights	Nov. 1, 2021	Nov. 1, 2022
	80458	42	☐	Waterproofing Membrane System	Aug. 1, 2024	
	80302	43	☐	Weekly DBE Trucking Reports	June 2, 2012	Nov. 1, 2021
	80454	44	☐	Wood Sign Support	Nov. 1, 2023	
	80427	45	☐	Work Zone Traffic Control Devices	Mar. 2, 2020	Jan. 1, 2025
*	80071	46	☐	Working Days	Jan. 1, 2002	

Highlighted items indicate a new or revised special provision for the letting.

An * indicates the special provision requires additional information from the designer, which needs to be submitted separately. The Project Coordination and Implementation Section will then include the information in the applicable special provision.

The following special provisions have been deleted from use.

File Name	Special Provision Title	Effective	Revised
80449	Cement, Type IL	Aug. 1, 2023	
80451	Portland Cement Concrete	Aug. 1, 2023	

The following special provisions are in the 2025 Supplemental Specifications and Recurring Special Provisions.

File Name	Special Provision Title	New Location(s)	Effective	Revised
80434	Corrugated Plastic Pipe (Culvert and Storm Sewer)	Articles 542.03, 550.03, 1040.03, 1040.04(b), 1040.04(d) & 1040.08	Jan. 1, 2021	
80443	High Tension Cable Median Barrier Removal	Section 632	April 1, 2022	
80045	Material Transfer Device	Articles 406.03, 406.06(f), 406.13(b), 406.14 & 1102.02	Nov 15, 1999	Jan. 1, 2022
80410	Traffic Spotters	Article 701.13	Jan. 1, 2019	

Illinois Department of Transportation

Memorandum

To:	Regional Engineers
From:	Jack A. Elston
Subject:	Special Provision for Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar
Date:	September 27, 2024

This special provision was developed by the Central Bureau of Materials to transition concrete admixtures to AASHTO Product Eval and Audit testing, increase retesting intervals for repair material, to more widely allow Type IL cement and ground granulated blast furnace slag, and to bring in existing special provisions “Cement, Type IL (BDE)” and “Portland Cement Concrete (BDE)”.

This special provision should be inserted into all contracts.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the January 17, 2025 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80460m

CEMENT, FINELY DIVIDED MINERALS, ADMIXTURES; CONCRETE, AND MORTAR (BDE)

Effective: January 1, 2025

Revise the first paragraph of Article 285.05 of the Standard Specifications to read:

" **285.05 Fabric Formed Concrete Revetment Mat.** The grout shall consist of a mixture of cement, fine aggregate, and water so proportioned and mixed as to provide a pumpable slurry. Fly ash or ground granulated blast furnace (GGBF) slag, and concrete admixtures may be used at the option of the Contractor. The grout shall have an air content of not less than 6.0 percent nor more than 9.0 percent of the volume of the grout. The mix shall obtain a compressive strength of 2500 psi (17,000 kPa) at 28 days according to Article 1020.09."

Revise Article 302.02 of the Standard Specifications to read:

" **302.02 Materials.** Materials shall be according to the following.

	Item	Article/Section
(a)	Cement	1001
(b)	Water	1002
(c)	Hydrated Lime	1012.01
(d)	By-Product, Hydrated Lime	1012.02
(e)	By-Product, Non-Hydrated Lime	1012.03
(f)	Lime Slurry	1012.04
(g)	Fly Ash	1010
(h)	Soil for Soil Modification (Note 1)	1009.01
(i)	Bituminous Materials (Note 2)	1032

Note 1. This soil requirement only applies when modifying with lime (slurry or dry).

Note 2. The bituminous materials used for curing shall be emulsified asphalt RS-2, CRS-2, HFE 90, or HFE 150; rapid curing liquid asphalt RC-70; or medium curing liquid asphalt MC-70 or MC-250."

Revise Article 312.07(c) of the Standard Specifications to read:

"(c) Cement.....1001"

Add Article 312.07(i) of the Standard Specifications to read:

"(i) Ground Granulated Blast Furnace(GGBF) Slag.....1010"

Revise the first paragraph of Article 312.09 of the Standard Specifications to read:

" **312.09 Proportioning and Mix Design.** At least 60 days prior to start of placing CAM II, the Contractor shall submit samples of materials to be used in the work for proportioning and testing.

The mixture shall contain a minimum of 200 lb (120 kg) of cement per cubic yard (cubic meter). Cement may be replaced with fly ash or ground granulated blast furnace (GGBF) slag according to Article 1020.05(c)(1) or 1020.05(c)(2), respectively, however the minimum cement content in the mixture shall be 170 lbs/cu yd (101 kg/cu m). Blends of coarse and fine aggregates will be permitted, provided the volume of fine aggregate does not exceed the volume of coarse aggregate. The Engineer will determine the proportions of materials for the mixture according to the "Portland Cement Concrete Level III Technician Course" manual. However, the Contractor may substitute their own mix design. Article 1020.05(a) shall apply, and a Level III PCC Technician shall develop the mix design."

Revise Article 352.02 of the Standard Specifications to read:

"**352.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Cement (Note 1)	1001
(b) Soil for Soil-Cement Base Course	1009.03
(c) Water	1002
(d) Bituminous Materials (Note 2)	1032

Note 1. Bulk cement may be used for the traveling mixing plant method if the equipment for handling, weighing, and spreading the cement is approved by the Engineer.

Note 2. The bituminous materials used for curing shall be emulsified asphalt RS-2, CRS-2, HFE 90, or HFE 150; rapid curing liquid asphalt RC-70; or medium curing liquid asphalt MC-70 or MC-250."

Revise Article 404.02 of the Standard Specifications to read:

"**404.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fine Aggregate	1003.08
(d) Bituminous Material (Tack Coat)	1032.06
(e) Emulsified Asphalts (Note 1) (Note 2)	1032.06
(f) Fiber Modified Joint Sealer	1050.05
(g) Additives (Note 3)	

Note 1. When used for slurry seal, the emulsified asphalt shall be CQS-1h according to Article 1032.06(b).

Note 2. When used for micro-surfacing, the emulsified asphalt shall be CQS-1hP according to Article 1032.06(e).

Note 3. Additives may be added to the emulsion mix or any of the component materials to provide the control of the quick-traffic properties. They shall be included as part of the mix design and be compatible with the other components of the mix.

Revise the last sentence of the fourth paragraph of Article 404.08 of the Standard Specifications to read:

"When approved by the Engineer, the sealant may be dusted with fine sand, cement, or mineral filler to prevent tracking."

Revise Note 2 of Article 516.02 of the Standard Specifications to read:

"Note 2. The sand-cement grout mix shall be according to Section 1020 and shall be a 1:1 blend of sand and cement comprised of a Type I, IL, or II cement at 185 lb/cu yd (110 kg/cu m). The maximum water cement ratio shall be sufficient to provide a flowable mixture with a typical slump of 10 in. (250 mm)."

Revise Note 2 of Article 543.02 of the Standard Specifications to read:

"Note 2. The grout mixture shall be 6.50 hundredweight/cu yd (385 kg/cu m) of cement plus fine aggregate and water. Fly ash or ground granulated blast furnace (GGBF) slag may replace a maximum of 5.25 hundredweight/cu yd (310 kg/cu m) of the cement. The water/cement ratio, according to Article 1020.06, shall not exceed 0.60. An air-entraining admixture shall be used to produce an air content, according to Article 1020.08, of not less than 6.0 percent nor more than 9.0 percent of the volume of the grout. The Contractor shall have the option to use a water-reducing or high range water-reducing admixture."

Revise Article 583.01 of the Standard Specifications to read:

"**583.01 Description.** This work shall consist of placing cement mortar along precast, prestressed concrete bridge deck beams as required for fairing out any unevenness between adjacent deck beams prior to placing of waterproofing membrane and surfacing."

Revise Article 583.02(a) of the Standard Specifications to read:

"(a) Cement.....1001"

Revise the first paragraph of Article 583.03 of the Standard Specifications to read:

"**583.03 General.** This work shall only be performed when the air temperature is 45 °F (7 °C) and rising. The mixture for cement mortar shall consist of three parts sand to one part cement by volume. The amount of water shall be no more than that necessary to produce a workable, plastic mortar."

Revise Note 2/ in Article 1003.01(b) of the Standard Specifications to read:

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"2/ Applies only to sand. Sand exceeding the colorimetric test standard of 11 (Illinois Modified AASHTO T 21) will be checked for mortar making properties according to Illinois Modified ASTM C 87 and shall develop a compressive strength at the age of 14 days when using Type I, IL, or II cement of not less than 95 percent of the comparable standard.

Revise the second sentence of Article 1003.02(e)(1) of the Standard Specifications to read:

"The test will be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.90 percent or greater."

Revise the first sentence of the second paragraph of Article 1003.02(e)(3) of the Standard Specifications to read:

"The ASTM C 1293 test shall be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.80 percent or greater."

Revise the second sentence of Article 1004.02(g)(1) of the Standard Specifications to read:

"The test will be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.90 percent or greater."

Revise Article 1017.01 of the Standard Specifications to read:

"**1017.01 Requirements.** The mortar shall be high-strength according to ASTM C 387 and shall have a minimum 80.0 percent relative dynamic modulus of elasticity when tested by the Department according to Illinois Modified AASHTO T 161 or AASHTO T 161 when tested by an independent lab. The high-strength mortar shall have a water-soluble chloride ion content of less than 0.40 lb/cu yd (0.24 kg/cu m). The test shall be performed according to ASTM C 1218, and the high-strength mortar shall have an age of 28 to 42 days at the time of test. The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department. Mixing of the high-strength mortar shall be according to the manufacturer's specifications. The Department will maintain a qualified product list."

Revise the fourth sentence of Article 1018.01 of the Standard Specifications to read:

"The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department."

Revise Article 1019.02 of the Standard Specifications to read:

"**1019.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002

(c) Fine Aggregate for Controlled Low-Strength Material (CLSM).....1003.06
(d) Fly Ash 1010
(e) Ground Granulated Blast Furnace (GGBF) Slag.....1010
(f) Admixtures (Note 1)

Note 1. The air-entraining admixture may be in powder or liquid form. Prior to approval, a CLSM air-entraining admixture will be evaluated by the Department. The admixture shall be able to meet the air content requirements of Mix 2. The Department will maintain a qualified product list."

Revise Article 1019.05 of the Standard Specifications to read:

"**1019.05 Department Mix Design.** The Department mix design shall be Mix 1, 2, or 3 and shall be proportioned to yield approximately one cubic yard (cubic meter).

Mix 1	
Cement	50 lb (30 kg)
Fly Ash – Class C or F, and/or GGBF Slag	125 lb (74 kg)
Fine Aggregate – Saturated Surface Dry	2900 lb (1720 kg)
Water	50-65 gal (248-322 L)
Air Content	No air is entrained

Mix 2	
Cement	125 lb (74 kg)
Fine Aggregate – Saturated Surface Dry	2500 lb (1483 kg)
Water	35-50 gal (173-248 L)
Air Content	15-25 %

Mix 3	
Cement	40 lb (24 kg)
Fly Ash – Class C or F, and/or GGBF Slag	125 lb (74 kg)
Fine Aggregate – Saturated Surface Dry	2500 lb (1483 kg)
Water	35-50 gal (179-248 L)
Air Content	15-25 %"

Revise Article 1020.04, Table 1, Note (8) of the Standard Specifications to read:

"(8) In addition to the Type III portland cement, 100 lb/cu yd of ground granulated blast-furnace slag and 50 lb/cu yd of microsilica (silica fume) shall be used. For an air temperature greater than 85 ºF, the Type III portland cement may be replaced with Type I, IL, or II portland cement."

Revise Article 1020.04, Table 1 (Metric), Note (8) of the Standard Specifications to read:

"(8) In addition to the Type III portland cement, 60 kg/cu m of ground granulated blast-furnace slag and 30 kg/cu m of microsilica (silica fume) shall be used. For an air temperature greater than 30 ºC, the Type III portland cement may be replaced with Type I, IL, or II portland cement."

Revise the second paragraph of Article 1020.05(a) of the Standard Specifications to read:

"For a mix design using a portland-pozzolan cement, portland blast-furnace slag cement, portland-limestone cement, or replacing portland cement with finely divided minerals per Articles 1020.05(c) and 1020.05(d), the Contractor may submit a mix design with a minimum portland cement content less than 400 lbs/cu yd (237 kg/cu m), but not less than 375 lbs/cu yd (222 kg/cu m), if the mix design is shown to have a minimum relative dynamic modulus of elasticity of 80 percent determined according to AASHTO T 161. Testing shall be performed by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete."

Revise the first sentence of the first paragraph of Article 1020.05(b) of the Standard Specifications to read:

"Corrosion inhibitors and concrete admixtures shall be according to the qualified product lists."

Delete the fourth and fifth sentences of the second paragraph of Article 1020.05(b) of the Standard Specifications.

Revise the third sentence of the second paragraph of Article 1020.05(b)(5) of the Standard Specifications to read:

"The qualified product lists of concrete admixtures shall not apply."

Revise second paragraph of Article 1020.05(b)(10) of the Standard Specifications to read:

"When calcium nitrite is used, it shall be added at the rate of 4 gal/cu yd (20 L/cu m) and shall be added to the mix immediately after all compatible admixtures have been introduced to the batch. Other corrosion inhibitors shall be added per the manufacturer's specifications."

Delete the third paragraph of Article 1020.05(b)(10) of the Standard Specifications.

Revise Article 1020.15(b)(1)c. of the Standard Specifications to read:

"c. The minimum portland cement content in the mixture shall be 375 lbs/cu yd (222 kg/cu m). When the total of organic processing additions, inorganic processing additions, and limestone addition exceed 5.0 percent in the cement, the minimum portland cement content in the mixture shall be 400 lbs/cu yd (237 kg/cu m). For a drilled shaft, foundation, footing, or substructure, the

minimum portland cement may be reduced to as low as 330 lbs/cu yd (196 kg/cu m) if the concrete has adequate freeze/thaw durability. The Contractor shall provide freeze/thaw test results according to AASHTO T 161, and the relative dynamic modulus of elasticity of the mix design shall be a minimum of 80 percent. Testing shall be performed by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete. Freeze/thaw testing will not be required for concrete that will not be exposed to freezing and thawing conditions as determined by the Engineer."

Revise Article 1021.01 of the Standard Specifications to read:

"**1021.01 General.** Admixtures shall be furnished in liquid or powder form ready for use. The admixtures shall be delivered in the manufacturer's original containers, bulk tank trucks or such containers or tanks as are acceptable to the Engineer. Delivery shall be accompanied by a ticket which clearly identifies the manufacturer, the date of manufacture, and trade name of the material. Containers shall be readily identifiable as to manufacturer, the date of manufacture, and trade name of the material they contain.

Concrete admixtures shall be on one of the Department's qualified product lists. Unless otherwise noted, admixtures shall have successfully completed and remain current with the AASHTO Product Eval and Audit Concrete Admixture (CADD) testing program. For admixture submittals to the Department; the product brand name, manufacturer name, admixture type or types, an electronic link to the product's technical data sheet, and the NTPEP testing number which contains an electronic link to all test data shall be provided. In addition, a letter shall be submitted certifying that no changes have been made in the formulation of the material since the most current round of tests conducted by AASHTO Product Eval and Audit. After 28 days of testing by AASHTO Product Eval and Audit, air-entraining admixtures may be provisionally approved and used on Departmental projects. For all other admixtures, unless otherwise noted, the time period after which provisionally approved status may be earned is 6 months.

The manufacturer shall include the following in the submittal to the AASHTO Product Eval and Audit CADD testing program: the manufacturing range for specific gravity, the midpoint and manufacturing range for residue by oven drying, and manufacturing range of pH. The submittal shall also include an infrared spectrophotometer trace no more than five years old.

For air-entraining admixtures according to Article 1021.02, the specific gravity allowable manufacturing range established by the manufacturer shall be according to AASHTO M 194. For residue by oven drying and pH, the allowable manufacturing range and test methods shall be according to AASHTO M 194.

For admixtures according to Articles 1021.03, 1021.04, 1021.05, 1021.06, 1021.07, and 1021.08, the pH allowable manufacturing range established by the manufacturer shall be according to ASTM E 70. For specific gravity and residue by oven drying, the allowable manufacturing range and test methods shall be according to AASHTO M 194.

All admixtures, except chloride-based accelerators, shall contain a maximum of 0.3 percent chloride by weight (mass) as determined by an appropriate test method. To verify the test result, the Department will use Illinois Modified AASHTO T 260, Procedure A, Method 1.

Prior to final approval of an admixture, the Engineer reserves the right to request a sample for testing. The test and reference concrete mixtures tested by the Engineer will contain a cement content of 5.65 cwt/cu yd (335 kg/cu m). For freeze-thaw testing, the Department will perform the test according to Illinois Modified AASHTO T 161. The flexural strength test will be performed according to AASHTO T 177. If the Engineer decides to test the admixture, the manufacturer shall submit AASHTO T 197 water content and set time test results on the standard cement used by the Department. The manufacturer may select their lab or an independent lab to perform this testing. The laboratory is not required to be accredited by AASHTO.

Random field samples may be taken by the Department to verify an admixture meets specification. A split sample will be provided to the manufacturer if requested. Admixtures that do not meet specification requirements or an allowable manufacturing range established by the manufacturer shall be replaced with new material."

Revise Article 1021.03 of the Standard Specifications to read:

"**1021.03 Retarding and Water-Reducing Admixtures.** The admixture shall be according to the following.

(a) Retarding admixtures shall be according to AASHTO M 194, Type B (retarding) or Type D (water-reducing and retarding).

(b) Water-reducing admixtures shall be according to AASHTO M 194, Type A.

(c) High range water-reducing admixtures shall be according to AASHTO M 194, Type F (high range water-reducing) or Type G (high range water-reducing and retarding)."

Revise Article 1021.05 of the Standard Specifications to read:

"**1021.05 Self-Consolidating Admixtures.** Self-consolidating admixture systems shall consist of either a high range water-reducing admixture only or a high range water-reducing admixture combined with a separate viscosity modifying admixture. The one or two component admixture system shall be capable of producing a concrete that can flow around reinforcement and consolidate under its own weight without additional effort and without segregation.

High range water-reducing admixtures shall be according to AASHTO M 194, Type F.

Viscosity modifying admixtures shall be according to AASHTO M 194, Type S (specific performance)."

Revise Article 1021.06 of the Standard Specifications to read:

"**1021.06 Rheology-Controlling Admixture.** Rheology-controlling admixtures shall be capable of producing a concrete mixture with a lower yield stress that will consolidate easier for slipform applications used by the Contractor. Rheology-controlling admixtures shall be according to AASHTO M 194, Type S (specific performance)."

Revise Article 1021.07 of the Standard Specifications to read:

"**1021.07 Corrosion Inhibitor.** The corrosion inhibitor shall be according to one of the following.

(a) Calcium Nitrite. Corrosion inhibitors shall contain a minimum 30 percent calcium nitrite by weight (mass) of solution and shall comply with either the requirements of AASHTO M 194, Type C (accelerating) or the requirements of ASTM C 1582. The corrosion inhibiting performance requirements of ASTM C 1582 shall not apply.

(b) Other Materials. The corrosion inhibitor shall be according to ASTM C 1582.

For submittals requiring testing according to ASTM M 194, Type C (accelerating), the admixture shall meet the requirements of the AASHTO Product Eval and Audit CADD testing program according to Article 1021.01.

For submittals requiring testing according to ASTM C 1582, a report prepared by an independent laboratory accredited by AASHTO re:source for portland cement concrete shall be provided. The report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications. However, ASTM G 109 test information specified in ASTM C 1582 is not required to be from an independent accredited lab. All other information in ASTM C 1582 shall be from an independent accredited lab. Test data and other information required to be submitted to AASHTO Product Eval and Audit according to Article 1021.01, shall instead be submitted directly to the Department."

Add Article 1021.08 of the Standard Specifications as follows:

"**1021.08 Other Specific Performance Admixtures.** Other specific performance admixtures shall, at a minimum, be according to AASHTO M 194, Type S (specific performance). The Department also reserves the right to require other testing, as determined by the Engineer, to show evidence of specific performance characteristics.

Initial testing according to AASHTO M 194 may be conducted under the AASHTO Product Eval and Audit CADD testing program according to Article 1021.01, or by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete. In either case, test data and other information required to be submitted to AASHTO Product Eval and Audit according to Article 1021.01, shall also be submitted directly to the Department. The independent accredited lab report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications."

Revise Article 1024.01 of the Standard Specifications to read:

"**1024.01 Requirements for Grout.** The grout shall be proportioned by dry volume, thoroughly mixed, and shall have a minimum temperature of 50 °F (10 °C). Water shall not exceed the minimum needed for placement and finishing.

Materials for the grout shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fine Aggregate	1003.02
(d) Fly Ash	1010
(e) Ground Granulated Blast Furnace (GGBF) Slag	1010
(f) Concrete Admixtures	1021"

Revise Note 1 of Article 1024.02 of the Standard Specifications to read:

"Note 1. Nonshrink grout shall be according to Illinois Modified ASTM C 1107.

The nonshrink grout shall have a water-soluble chloride ion content of less than 0.40 lb/cu yd (0.24 kg/cu m). The test shall be performed according to ASTM C 1218, and the grout shall have an age of 28 to 42 days at the time of test. The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department. Mixing of the nonshrink grout shall be according to the manufacturer's specifications. The Department will maintain a qualified product list."

Revise Article 1029.02 of the Standard Specifications to read:

"**1029.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Fly Ash	1010
(c) Ground Granulated Blast Furnace (GGBF) Slag	1010
(d) Water	1002
(e) Fine Aggregate	1003
(f) Concrete Admixtures	1021
(g) Foaming Agent (Note 1)	

Note 1. The manufacturer shall submit infrared spectrophotometer trace and test results indicating the foaming agent meets the requirements of ASTM C 869 in order to be on the Department's qualified product list. Submitted data/results shall not be more than five years old."

Revise the second paragraph of Article 1103.03(a)(4) the Standard Specifications to read:

Illinois Department of Transportation

Memorandum

To:	Regional Engineers
From:	Jack A. Elston
Subject:	Special Provision for Compensable Delay Costs
Date:	January 11, 2019

This special provision was developed to allow the department to pay for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control when a contract delay meets certain criteria. It has been revised to remove the extended traffic control adjustment equations for completion date contracts and simply refer to Article 109.04

This special provision should be inserted into all contracts.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the April 26, 2019 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

This special provision will be available on the transfer directory January 11, 2019.

80384m

COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017
Revised: April 1, 2019

Revise Article 107.40(b) of the Standard Specifications to read:

"(b) Compensation. Compensation will not be allowed for delays, inconveniences, or damages sustained by the Contractor from conflicts with facilities not meeting the above definition; or if a conflict with a utility in an unanticipated location does not cause a shutdown of the work or a documentable reduction in the rate of progress exceeding the limits set herein. The provisions of Article 104.03 notwithstanding, compensation for delays caused by a utility in an unanticipated location will be paid according to the provisions of this Article governing minor and major delays or reduced rate of production which are defined as follows.

(1) Minor Delay. A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.

(2) Major Delay. A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.

(3) Reduced Rate of Production Delay. A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days."

Revise Article 107.40(c) of the Standard Specifications to read:

"(c) Payment. Payment for Minor, Major, and Reduced Rate of Production Delays will be made as follows.

(1) Minor Delay. Labor idled which cannot be used on other work will be paid for according to Article 109.04(b)(1) and (2) for the time between start of the delay and the minimum remaining hours in the work shift required by the prevailing practice in the area.

Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4).

(2) Major Delay. Labor will be the same as for a minor delay.

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the

Contractor's yard or another job and the cost to re-mobilize, whichever is less. Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

(3) Reduced Rate of Production Delay. The Contractor will be compensated for the reduced productivity for labor and equipment time in excess of the 25 percent threshold for that portion of the delay in excess of seven calendar days. Determination of compensation will be in accordance with Article 104.02, except labor and material additives will not be permitted.

Payment for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be determined according to Article 109.13."

Revise Article 108.04(b) of the Standard Specifications to read:

"(b) No working day will be charged under the following conditions.

(1) When adverse weather prevents work on the controlling item.

(2) When job conditions due to recent weather prevent work on the controlling item.

(3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.

(4) When delays caused by utility or railroad adjustments prevent work on the controlling item.

(5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.

(6) When any condition over which the Contractor has no control prevents work on the controlling item."

Revise Article 109.09(f) of the Standard Specifications to read:

" (f) Basis of Payment. After resolution of a claim in favor of the Contractor, any adjustment in time required for the work will be made according to Section 108. Any adjustment in the costs to be paid will be made for direct labor, direct materials, direct equipment, direct jobsite overhead, direct offsite overhead, and other direct costs allowed by the resolution. Adjustments in costs will not be made for interest charges, loss of anticipated profit, undocumented loss of efficiency, home office overhead and unabsorbed overhead

other than as allowed by Article 109.13, lost opportunity, preparation of claim expenses and other consequential indirect costs regardless of method of calculation.

The above Basis of Payment is an essential element of the contract and the claim cost recovery of the Contractor shall be so limited."

Add the following to Section 109 of the Standard Specifications.

" **109.13 Payment for Contract Delay.** Compensation for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be allowed when such costs result from a delay meeting the criteria in the following table.

Contract Type	Cause of Delay	Length of Delay
Working Days	Article 108.04(b)(3) or Article 108.04(b)(4)	No working days have been charged for two consecutive weeks.
Completion Date	Article 108.08(b)(1) or Article 108.08(b)(7)	The Contractor has been granted a minimum two week extension of contract time, according to Article 108.08.

Payment for each of the various costs will be according to the following.

(a) Escalated Material and/or Labor Costs. When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.

(b) Extended Project Overhead. For the duration of the delay, payment for extended project overhead will be paid as follows.

(1) Direct Jobsite and Offsite Overhead. Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

Original Contract Amount	Supervisory and Administrative Personnel
Up to $5,000,000	One Project Superintendent
Over $ 5,000,000 - up to $25,000,000	One Project Manager, One Project Superintendent or Engineer, and One Clerk
Over $25,000,000 - up to $50,000,000	One Project Manager, One Project Superintendent, One Engineer, and

	One Clerk
Over $50,000,000	One Project Manager, Two Project Superintendents, One Engineer, and One Clerk

(2) Home Office and Unabsorbed Overhead. Payment for home office and unabsorbed overhead will be calculated as 8 percent of the total delay cost.

(c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid for according to Article 109.04.

When an extended traffic control adjustment is paid under this provision, an adjusted unit price as provided for in Article 701.20(a) for increase or decrease in the value of work by more than ten percent will not be paid.

Upon payment for a contract delay under this provision, the Contractor shall assign subrogation rights to the Department for the Department's efforts of recovery from any other party for monies paid by the Department as a result of any claim under this provision. The Contractor shall fully cooperate with the Department in its efforts to recover from another party any money paid to the Contractor for delay damages under this provision."

80384

"The dispenser system shall provide a visual indication that the liquid admixture is actually entering the batch, such as via a transparent or translucent section of tubing or by independent check with an integrated secondary metering device. If approved by the Engineer, an alternate indicator may be used for admixtures dosed at rates of 25 oz/cwt (1630 mL/100 kg) or greater, such as accelerating admixtures, corrosion inhibitors, and viscosity modifying admixtures."

Revise the first two sections of Check Sheet #11 of the Supplemental Specifications and Recurring Special Provisions to read:

"Description. This work shall consist of filling voids beneath rigid and composite pavements with cement grout.

Materials. Materials shall be according to the following Articles of Division 1000 - Materials of the Standard Specifications:

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fly Ash	1010
(d) Ground Granulated Blast Furnace (GGBF) Slag	1010
(e) Admixtures	1021
(f) Packaged Rapid Hardening Mortar or Concrete	1018"

Revise the third paragraph of Materials Note 2 of Check Sheet #28 of the Supplemental Specifications and Recurring Special Provisions to read:

"The Department will maintain a qualified product list of synthetic fibers, which will include the minimum required dosage rate. For the minimum required fiber dosage rate based on the Illinois Modified ASTM C 1609 test, a report prepared by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete shall be provided. The report shall show results of tests conducted no more than five years prior to the time of submittal."

80460

Illinois Department of Transportation

Memorandum

To:	Regional Engineers
From:	Jack A. Elston
Subject:	Special Provision for Concrete Sealer
Date:	April 19, 2024

This special provision was developed by the Central Bureau of Materials as a result of work completed through the AASHTO Committee on Materials and Pavements (COMP) and AASHTO Product Evaluation and Audit Solutions (formerly NTPEP) technical committees to improve standardized testing and develop material specifications to evaluate the universal performance properties of concrete sealers.

This special provision should be inserted into contracts utilizing the pay item CONCRETE SEALER.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the November 17, 2023 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80453m

CONCRETE SEALER (BDE)

Effective: November 1, 2023

Replace Section 1026 of the Standard Specifications with the following:

"**SECTION 1026. CONCRETE SEALER**

1026.01 General. Sealer types shall be according to the listing in AASHTO M 224. All concrete sealer types shall meet the sealer requirements of AASHTO M 224 when tested in accordance with AASHTO T 384. The sealer shall be listed on the Department's qualified product list.

The sealer shall have a clear or amber color when dry.

The Department will perform the sealer characterization properties of ATR-FTIR spectra, total solids, and specific gravity in accordance with AASHTO M 224."

80453

Illinois Department of Transportation

Memorandum

To:	Regional Engineers
From:	Jack A. Elston
Subject:	Special Provision for Construction Air Quality – Diesel Retrofit
Date:	September 27, 2024

This special provision was developed by the Bureau of Design and Environment and the Bureau of Construction to reduce construction air emissions from older diesel equipment. It has been revised to update the weblink for the EPA verified technologies list and to eliminate the effective dates for retrofitting as they have all passed.

This special provision should be inserted in all projects within the following counties, townships and precinct; Cook, DuPage, Kane, Lake, McHenry, Will, Jersey, Madison, Monroe, St. Clair, Aux Sable and Goose Lake Township in Grundy County, Oswego Township in Kendall County, and Baldwin Precinct in Randolph County.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the January 17, 2025 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80261m

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

Effective: June 1, 2010
Revised: January 1, 2025

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term "equipment" refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted according to the table below.

Horsepower Range	Model Year and Older
50-99	2003
100-299	2002
300-599	2000
600-749	2001
750 and up	2005

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (https://www.epa.gov/verified-diesel-tech/verified-technologies-list-clean-diesel), or verified by the California Air Resources Board (CARB) (http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm); or

b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

Diesel Retrofit Deficiency Deduction

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be $1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected. Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

80261

Illinois Department of Transportation

Memorandum

To:	Regional Engineers
From:	Jack A. Elston
Subject:	Special Provision for Hot-Mix Asphalt
Date:	September 27, 2024

This special provision was developed by the Central Bureau of Materials to update the maximum theoretical specific gravity (G_{mm}) used in the calculation of HMA density and to allow HMA production to continue after a test strip has been constructed for all HMA Quality Management Programs (PFP, QCP, and QC/QA). It has been revised to address the updated requirements for maintaining active certification in the IDOT Quality Management Training Program, adding the technician trainee role to personnel, and to fix a table reference.

This special provision should be inserted into all HMA paving contracts.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the January 17, 2025 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80456m

HOT-MIX ASPHALT (BDE)

Effective: January 1, 2024
Revised: January 1, 2025

Revise the first and second paragraphs of Articles 1030.06(c)(2) of the Standard Specifications to read:

"(2) Personnel. The Contractor shall provide a QC Manager who shall have overall responsibility and authority for quality control. This individual shall maintain active certification as a Hot-Mix Asphalt Level II technician.

In addition to the QC Manager, the Contractor shall provide sufficient personnel to perform the required visual inspections, sampling, testing, and documentation in a timely manner. Mix designs shall be developed by personnel with an active certification as a Hot-Mix Asphalt Level III technician. Technicians performing mix design testing and plant sampling/testing shall maintain active certification as a Hot- Mix Asphalt Level I technician. The Contractor may provide a technician trainee who has successfully completed the Department's "Hot-Mix Asphalt Trainee Course" to assist in the activities completed by a Hot-Mix Asphalt Level I technician for a period of one year after the course completion date. The Contractor may also provide a Gradation Technician who has successfully completed the Department's "Gradation Technician Course" to run gradation tests only under the supervision of a Hot-Mix Asphalt Level II Technician. The Contractor shall provide a Hot-Mix Asphalt Density Tester who has successfully completed the Department's "Nuclear Density Testing" course to run all nuclear density tests on the job site."

Revise the second paragraph of Articles 1030.07(a)(11) and 1030.08(a)(9) of the Standard Specifications to read:

"When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be based on the running average of four available Department test results for that project. If less than four G_{mm} test results are available, an average of all available Department test results for that project will be used. The initial G_{mm} will be the last available Department test result from a QMP project. If there is no available Department test result from a QMP project, the Department mix design verification test result will be used as the initial G_{mm}."

Revise Article 1030.09(g)(2) of the Standard Specifications to read:

"(2) The Contractor shall complete split verification sample tests listed in the Limits of Precision table in Article 1030.09(h)(1)."

In the Supplemental Specifications, replace the revision for the end of the third paragraph of Article 1030.09(h)(2) with the following:

"When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be the Department mix design verification test result."

Revise the tenth paragraph of Article 1030.10 of the Standard Specifications to read:

"Production is not required to stop after a test strip has been constructed."

80456

Illinois Department of Transportation

Memorandum

To:	Regional Engineers
From:	Jack A. Elston
Subject:	Special Provision for Performance Graded Asphalt Binder
Date:	September 30, 2022

This special provision was developed by the Central Bureau of Materials to allow additional modifiers in performance graded (PG) asphalt binder. Ground tire rubber and softeners were added, as well as criteria to ensure long-term aging performance of our PG asphalt binders with and without modification.

This special provision should be inserted into contracts containing the pay item BITUMINOUS MATERIALS (TACK COAT), or any of the following types of work.

Section 312 Stabilized Subbase
Section 355 HMA Base Course
Section 356 HMA Base Course Widening
Section 404 Micro-Surfacing and Slurry Sealing
Section 405 Cape Seal
Section 406 HMA Binder and Surface Course
Section 407 HMA Pavement (Full-Depth)
Section 442 Pavement Patching
Section 507 Timber Structures
Section 581 Waterproofing Membrane System
BDE special provision “Ultra-Thin Bonded Wearing Course”
Local Roads & Streets Recurring Special Provision “Reflective Crack Control Treatment”

The districts should include the BDE Check Sheet marked with the applicable special provisions for the January 20, 2023 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80441m

PERFORMANCE GRADED ASPHALT BINDER (BDE)

Effective: January 1, 2023

Revise Article 1032.05 of the Standard Specifications to read:

"**1032.05 Performance Graded Asphalt Binder.** These materials will be accepted according to the Bureau of Materials Policy Memorandum, "Performance Graded Asphalt Binder Qualification Procedure." The Department will maintain a qualified producer list. These materials shall be free from water and shall not foam when heated to any temperature below the actual flash point. Air blown asphalt, recycle engine oil bottoms (ReOB), and polyphosphoric acid (PPA) modification shall not be used.

When requested, producers shall provide the Engineer with viscosity/temperature relationships for the performance graded asphalt binders delivered and incorporated in the work.

(a) Performance Graded (PG) Asphalt Binder. The asphalt binder shall meet the requirements of AASHTO M 320, Table 1 "Standard Specification for Performance Graded Asphalt Binder" for the grade shown on the plans and the following.

Test	Parameter
Small Strain Parameter (AASHTO PP 113) BBR, ΔTc, 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	-5 °C min.

(b) Modified Performance Graded (PG) Asphalt Binder. The asphalt binder shall meet the requirements of AASHTO M 320, Table 1 "Standard Specification for Performance Graded Asphalt Binder" for the grade shown on the plans.

Asphalt binder modification shall be performed at the source, as defined in the Bureau of Materials Policy Memorandum, "Performance Graded Asphalt Binder Qualification Procedure."

Modified asphalt binder shall be safe to handle at asphalt binder production and storage temperatures or HMA construction temperatures. Safety Data Sheets (SDS) shall be provided for all asphalt modifiers.

(1) Polymer Modification (SB/SBS or SBR). Elastomers shall be added to the base asphalt binder to achieve the specified performance grade and shall be either a styrene-butadiene diblock, triblock copolymer without oil extension, or a styrene- butadiene rubber. The polymer modified asphalt binder shall be smooth, homogeneous, and be according to the requirements shown in Table 1 or 2 for the grade shown on the plans.

Table 1 - Requirements for Styrene-Butadiene Copolymer (SB/SBS) Modified Asphalt Binders		
Test	Asphalt Grade SB/SBS PG 64-28 SB/SBS PG 70-22	Asphalt Grade SB/SBS PG 64-34 SB/SBS PG 70-28 SB/SBS PG 76-22 SB/SBS PG 76-28
Separation of Polymer ITP, "Separation of Polymer from Asphalt Binder" Difference in °F (°C) of the softening point between top and bottom portions	4 (2) max.	4 (2) max.
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

Table 2 - Requirements for Styrene-Butadiene Rubber (SBR) Modified Asphalt Binders		
Test	Asphalt Grade SBR PG 64-28 SBR PG 70-22	Asphalt Grade SB/SBS PG 64-34 SB/SBS PG 70-28 SBR PG 76-22 SBR PG 76-28
Separation of Polymer ITP, "Separation of Polymer from Asphalt Binder" Difference in °F (°C) of the softening point between top and bottom portions	4 (2) max.	4 (2) max.
Toughness ASTM D 5801, 77 °F (25 °C), 20 in./min. (500 mm/min.), in.-lbs (N-m)	110 (12.5) min.	110 (12.5) min.
Tenacity ASTM D 5801, 77 °F (25 °C), 20 in./min. (500 mm/min.), in.-lbs (N-m)	75 (8.5) min.	75 (8.5) min.
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	40 min.	50 min.

(2) Ground Tire Rubber (GTR) Modification. GTR modification is the addition of recycled ground tire rubber to liquid asphalt binder to achieve the specified performance grade. GTR shall be produced from processing automobile and/or truck tires by the ambient

grinding method or micronizing through a cryogenic process. GTR shall not exceed 1/16 in. (2 mm) in any dimension and shall not contain free metal particles, moisture that would cause foaming of the asphalt, or other foreign materials. A mineral powder (such as talc) meeting the requirements of AASHTO M 17 may be added, up to a maximum of four percent by weight of GTR to reduce sticking and caking of the GTR particles. When tested in accordance with Illinois Modified AASHTO T 27 “Standard Method of Test for Sieve Analysis of Fine and Coarse Aggregates” or AASHTO PP 74 “Standard Practice for Determination of Size and Shape of Glass Beads Used in Traffic Markings by Means of Computerized Optical Method”, a 50 g sample of the GTR shall conform to the following gradation requirements.

Sieve Size	Percent Passing
No. 16 (1.18 mm)	100
No. 30 (600 µm)	95 ± 5
No. 50 (300 µm)	> 20

GTR modified asphalt binder shall be tested for rotational viscosity according to AASHTO T 316 using spindle S27. GTR modified asphalt binder shall be tested for original dynamic shear and RTFO dynamic shear according to AASHTO T 315 using a gap of 2 mm.

The GTR modified asphalt binder shall meet the requirements of Table 3.

Table 3 - Requirements for Ground Tire Rubber (GTR) Modified Asphalt Binders		
Test	Asphalt Grade GTR PG 64-28 GTR PG 70-22	Asphalt Grade GTR PG 76-22 GTR PG 76-28 GTR PG 70-28
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

(3) Softener Modification (SM). Softener modification is the addition of organic compounds, such as engineered flux, bio-oil blends, modified vegetable oils, glycol amines, and fatty acid derivatives, to the base asphalt binder to achieve the specified performance grade. Softeners shall be dissolved, dispersed, or reacted in the asphalt binder to enhance its performance and shall remain compatible with the asphalt binder with no separation. Softeners shall not be added to modified PG asphalt binder as defined in Articles 1032.05(b)(1) or 1032.05(b)(2).

An Attenuated Total Reflectance-Fourier Transform Infrared spectrum (ATR-FTIR) shall be collected for both the softening compound as well as the softener modified

asphalt binder at the dose intended for qualification. The ATR-FTIR spectra shall be collected on unaged softener modified binder, 20-hour Pressurized Aging Vessel (PAV) aged softener modified binder, and 40-hour PAV aged softener modified binder. The ATR-FTIR shall be collected in accordance with Illinois Test Procedure 601. The electronic files spectral files (in one of the following extensions or equivalent: *.SPA, *.SPG, *.IRD, *.IFG, *.CSV, *.SP, *.IRS, *.GAML, *.[0-9], *.IGM, *.ABS, *.DRT, *.SBM, *.RAS) shall be submitted to the Central Bureau of Materials.

Softener modified asphalt binders shall meet the requirements in Table 4.

Table 4 - Requirements for Softener Modified Asphalt Binders	
Test	Asphalt Grade SM PG 46-28 SM PG 46-34 SM PG 52-28 SM PG 52-34 SM PG 58-22 SM PG 58-28 SM PG 64-22
Small Strain Parameter (AASHTO PP 113) BBR, ΔTc, 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	-5°C min.
Large Strain Parameter (Illinois Modified AASHTO T 391) DSR/LAS Fatigue Property, Δ|G*|peak τ, 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	≥ 54 %

The following grades may be specified as tack coats.

Asphalt Grade	Use
PG 58-22, PG 58-28, PG 64-22	Tack Coat”

Revise Article 1031.06(c)(1) and 1031.06(c)(2) of the Standard Specifications to read:

“(1) RAP/RAS. When RAP is used alone or RAP is used in conjunction with RAS, the percentage of virgin ABR shall not exceed the amounts listed in the following table.

HMA Mixtures - RAP/RAS Maximum ABR % 1/ 2/			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface 3/
30	30	30	10
50	25	15	10
70	15	10	10
90	10	10	10

1/ For Low ESAL HMA shoulder and stabilized subbase, the RAP/RAS ABR shall not exceed 50 percent of the mixture.

2/ When RAP/RAS ABR exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

3/ The maximum ABR percentages for ground tire rubber (GTR) modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes.

(2) FRAP/RAS. When FRAP is used alone or FRAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the following table.

HMA Mixtures - FRAP/RAS Maximum ABR % 1/ 2/			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface 3/
30	55	45	15
50	45	40	15
70	45	35	15
90	45	35	15
SMA	- -	- -	25
IL-4.75	- -	- -	35

1/ For Low ESAL HMA shoulder and stabilized subbase, the FRAP/RAS ABR shall not exceed 50 percent of the mixture.

2/ When FRAP/RAS ABR exceeds 20 percent for all mixes, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

3/ The maximum ABR percentages for GTR modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes."

Add the following to the end of Note 2 of Article 1030.03 of the Standard Specifications.

" A dedicated storage tank for the ground tire rubber (GTR) modified asphalt binder shall be provided. This tank shall be capable of providing continuous mechanical mixing throughout and/or recirculation of the asphalt binder to provide a uniform mixture. The tank shall be heated and capable of maintaining the temperature of the asphalt binder at 300 °F to 350 °F (149 °C to 177 °C). The asphalt binder metering systems of dryer drum plants shall be calibrated with the actual GTR modified asphalt binder material with an accuracy of ±0.40 percent."

80441

Illinois Department of Transportation

Memorandum

To:	Regional Engineers
From:	Jack A. Elston
Subject:	Special Provision for Seeding
Date:	August 5, 2022

This special provision was developed to update the seeding mixtures by eliminating seed varieties no longer available and allowing alternative fescues. It was also revised to replace the seeding dates with temperature requirements and establish a consistent period of establishment.

This special provision should be inserted into all contracts with SEEDING or INTERSEEDING.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the November 18, 2022 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80445m

SEEDING (BDE)

Effective: November 1, 2022

Revise Article 250.07 of the Standard Specifications to read:

" **250.07 Seeding Mixtures.** The classes of seeding mixtures and combinations of mixtures will be designated in the plans.

When an area is to be seeded with two or more seeding classes, those mixtures shall be applied separately on the designated area within a seven day period. Seeding shall occur prior to placement of mulch cover. A Class 7 mixture can be applied at any time prior to applying any seeding class or added to them and applied at the same time.

TABLE 1 - SEEDING MIXTURES			
Class - Type		Seeds	lb/acre (kg/hectare)
1	Lawn Mixture 1/	Kentucky Bluegrass	100 (110)
		Perennial Ryegrass	60 (70)
		Festuca rubra ssp. r*ubra* (Creeping Red Fescue)	40 (50)
1A	Salt Tolerant Lawn Mixture 1/	Kentucky Bluegrass	60 (70)
		Perennial Ryegrass	20 (20)
		Festuca rubra ssp. *rubra* (Creeping Red Fescue)	20 (20)
		Festuca brevipilla (Hard Fescue)	20 (20)
		Puccinellia distans (Fults Saltgrass or Salty Alkaligrass)	60 (70)
1B	Low Maintenance Lawn Mixture 1/	Turf-Type Fine Fescue 3/	150 (170)
		Perennial Ryegrass	20 (20)
		Red Top	10 (10)
		Festuca rubra ssp. *rubra* (Creeping Red Fescue)	20 (20)
2	Roadside Mixture 1/	*Lolium arundinaceum* (Tall Fescue)	100 (110)
		Perennial Ryegrass	50 (55)
		Festuca rubra ssp. r*ubra* (Creeping Red Fescue)	40 (50)
		Red Top	10 (10)
2A	Salt Tolerant Roadside Mixture 1/	*Lolium arundinaceum* (Tall Fescue)	60 (70)
		Perennial Ryegrass	20 (20)
		Festuca rubra ssp. *rubra* (Creeping Red Fescue)	30 (20)
		Festuca brevipila (Hard Fescue)	30 (20)
		Puccinellia distans (Fults Saltgrass or Salty Alkaligrass)	60 (70)
3	Northern Illinois Slope Mixture 1/	*Elymus canadensis* (Canada Wild Rye) 5/	5 (5)
		Perennial Ryegrass	20 (20)
		Alsike Clover 4/	5 (5)
		Desmanthus illinoensis (Illinois Bundleflower) 4/ 5/	2 (2)
		Schizachyrium scoparium (Little Bluestem) 5/	12 (12)
		Bouteloua curtipendula (Side-Oats Grama) 5/	10 (10)
		Puccinellia distans (Fults Saltgrass or Salty Alkaligrass)	30 (35)
		Oats, Spring	50 (55)
		Slender Wheat Grass 5/	15 (15)
		Buffalo Grass 5/ 7/	5 (5)
3A	Southern Illinois Slope Mixture 1/	Perennial Ryegrass	20 (20)
		Elymus canadensis (Canada Wild Rye) 5/	20 (20)
		Panicum virgatum (Switchgrass) 5/	10 (10)
		Schizachyrium scoparium (Little Blue Stem) 5/	12 (12)
		Bouteloua curtipendula (Side-Oats Grama) 5/	10 (10)
		Dalea candida (White Prairie Clover) 4/ 5/	5 (5)
		Rudbeckia hirta (Black-Eyed Susan) 5/	5 (5)
		Oats, Spring	50 (55)

Class – Type		Seeds	lb/acre (kg/hectare)
4	Native Grass 2/ 6/	*Andropogon gerardi* (Big Blue Stem) 5/	4 (4)
		Schizachyrium scoparium (Little Blue Stem) 5/	5 (5)
		Bouteloua curtipendula (Side-Oats Grama) 5/	5 (5)
		Elymus canadensis (Canada Wild Rye) 5/	1 (1)
		Panicum virgatum (Switch Grass) 5/	1 (1)
		Sorghastrum nutans (Indian Grass) 5/	2 (2)
		Annual Ryegrass	25 (25)
		Oats, Spring	25 (25)
		Perennial Ryegrass	15 (15)
4A	Low Profile Native Grass 2/ 6/	*Schizachyrium scoparium* (Little Blue Stem) 5/	5 (5)
		Bouteloua curtipendula (Side-Oats Grama) 5/	5 (5)
		Elymus canadensis (Canada Wild Rye) 5/	1 (1)
		Sporobolus heterolepis (Prairie Dropseed) 5/	0.5 (0.5)
		Annual Ryegrass	25 (25)
		Oats, Spring	25 (25)
		Perennial Ryegrass	15 (15)
4B	Wetland Grass and Sedge Mixture 2/ 6/	Annual Ryegrass	25 (25)
		Oats, Spring	25 (25)
		Wetland Grasses (species below) 5/	6 (6)

Species:	% By Weight
Calamagrostis canadensis (Blue Joint Grass)	12
Carex lacustris (Lake-Bank Sedge)	6
Carex slipata (Awl-Fruited Sedge)	6
Carex stricta (Tussock Sedge)	6
Carex vulpinoidea (Fox Sedge)	6
Eleocharis acicularis (Needle Spike Rush)	3
Eleocharis obtusa (Blunt Spike Rush)	3
Glyceria striata (Fowl Manna Grass)	14
Juncus effusus (Common Rush)	6
Juncus tenuis (Slender Rush)	6
Juncus torreyi (Torrey's Rush)	6
Leersia oryzoides (Rice Cut Grass)	10
Scirpus acutus (Hard-Stemmed Bulrush)	3
Scirpus atrovirens (Dark Green Rush)	3
Bolboschoenus fluviatilis (River Bulrush)	3
Schoenoplectus tabernaemontani (Softstem Bulrush)	3
Spartina pectinata (Cord Grass)	4

Class – Type		Seeds	lb/acre (kg/hectare)
5	Forb with Annuals Mixture 2/ 5/ 6/	Annuals Mixture (Below) Forb Mixture (Below)	1 (1) 10 (10)

Annuals Mixture - Mixture not exceeding 25 % by weight of any one species, of the following:

Coreopsis lanceolata (Sand Coreopsis)
Leucanthemum maximum (Shasta Daisy)
Gaillardia pulchella (Blanket Flower)
Ratibida columnifera (Prairie Coneflower)
Rudbeckia hirta (Black-Eyed Susan)

Forb Mixture - Mixture not exceeding 5 % by weight PLS of any one species, of the following:

Amorpha canescens (Lead Plant) 4/
Anemone cylindrica (Thimble Weed)
Asclepias tuberosa (Butterfly Weed)
Aster azureus (Sky Blue Aster)
Symphyotrichum leave (Smooth Aster)
Aster novae-angliae (New England Aster)
Baptisia leucantha (White Wild Indigo) 4/
Coreopsis palmata (Prairie Coreopsis)
Echinacea pallida (Pale Purple Coneflower)
Eryngium yuccifolium (Rattlesnake Master)
Helianthus mollis (Downy Sunflower)
Heliopsis helianthoides (Ox-Eye)
Liatris aspera (Rough Blazing Star)
Liatris pycnostachya (Prairie Blazing Star)
Monarda fistulosa (Prairie Bergamot)
Parthenium integrifolium (Wild Quinine)
Dalea candida (White Prairie Clover) 4/
Dalea purpurea (Purple Prairie Clover) 4/
Physostegia virginiana (False Dragonhead)
Potentilla arguta (Prairie Cinquefoil)
Ratibida pinnata (Yellow Coneflower)
Rudbeckia subtomentosa (Fragrant Coneflower)
Silphium laciniatum (Compass Plant)
Silphium terebinthinaceum (Prairie Dock)
Oligoneuron rigidum (Rigid Goldenrod)
Tradescantia ohiensis (Spiderwort)
Veronicastrum virginicum (Culver's Root)

Class – Type		Seeds	lb/acre (kg/hectare)
5A	Large Flower Native Forb Mixture 2/ 5/ 6/	Forb Mixture (see below)	5 (5)
		Species:	% By Weight
		Aster novae-angliae (New England Aster)	5
		Echinacea pallida (Pale Purple Coneflower)	10
		Helianthus mollis (Downy Sunflower)	10
		Heliopsis helianthoides (Ox-Eye)	10
		Liatris pycnostachya (Prairie Blazing Star)	10
		Ratibida pinnata (Yellow Coneflower)	5
		Rudbeckia hirta (Black-Eyed Susan)	10
		Silphium laciniatum (Compass Plant)	10
		Silphium terebinthinaceum (Prairie Dock)	20
		Oligoneuron rigidum (Rigid Goldenrod)	10
5B	Wetland Forb 2/ 5/ 6/	Forb Mixture (see below)	2 (2)
		Species:	% By Weight
		Acorus calamus (Sweet Flag)	3
		Angelica atropurpurea (Angelica)	6
		Asclepias incarnata (Swamp Milkweed)	2
		Aster puniceus (Purple Stemmed Aster)	10
		Bidens cernua (Beggarticks)	7
		Eutrochium maculatum (Spotted Joe Pye Weed)	7
		Eupatorium perfoliatum (Boneset)	7
		Helenium autumnale (Autumn Sneeze Weed)	2
		Iris virginica shrevei (Blue Flag Iris)	2
		Lobelia cardinalis (Cardinal Flower)	5
		Lobelia siphilitica (Great Blue Lobelia)	5
		Lythrum alatum (Winged Loosestrife)	2
		Physostegia virginiana (False Dragonhead)	5
		Persicaria pensylvanica (Pennsylvania Smartweed)	10
		Persicaria lapathifolia (Curlytop Knotweed)	10
		Pychanthemum virginianum (Mountain Mint)	5
		Rudbeckia laciniata (Cut-leaf Coneflower)	5
		Oligoneuron riddellii (Riddell Goldenrod)	2
		Sparganium eurycarpum (Giant Burreed)	5
6	Conservation Mixture 2/ 6/	*Schizachyrium scoparium* (Little Blue Stem) 5/	5 (5)
		Elymus canadensis (Canada Wild Rye) 5/	2 (2)
		Buffalo Grass 5/ 7/	5 (5)
		Vernal Alfalfa 4/	15 (15)
		Oats, Spring	48 (55)
6A	Salt Tolerant Conservation Mixture 2/ 6/	*Schizachyrium scoparium* (Little Blue Stem) 5/	5 (5)
		Elymus canadensis (Canada Wild Rye) 5/	2 (2)
		Buffalo Grass 5/ 7/	5 (5)
		Vernal Alfalfa 4/	15 (15)
		Oats, Spring	48 (55)
		Puccinellia distans (Fults Saltgrass or Salty Alkaligrass)	20 (20)
7	Temporary Turf Cover Mixture	Perennial Ryegrass	50 (55)
		Oats, Spring	64 (70)

Notes:

1/ Seeding shall be performed when the ambient temperature has been between 45 ºF (7 ºC) and 80 ºF (27 ºC) for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National WeatherService.
2/ Seeding shall be performed in late fall through spring beginning when the ambient temperature has been below 45 ºF (7 ºC) for a minimum of seven (7) consecutive days and ending when the ambient temperature exceeds 80 ºF (27 ºC) according to the National Weather Service.
3/ Specific variety as shown in the plans or approved by the Engineer.
4/ Inoculation required.
5/ Pure Live Seed (PLS) shall be used.
6/ Fertilizer shall not be used.
7/ Seed shall be primed with KNO_3 to break dormancy and dyed to indicate such.

Seeding will be inspected after a period of establishment. The period of establishment shall be six (6) months minimum, but not to exceed nine (9) months. After the period of establishment, areas not exhibiting 75 percent uniform growth shall be interseeded or reseeded, as determined by the Engineer, at no additional cost to the Department."

80445

Illinois Department of Transportation

Memorandum

To:	Regional Engineers
From:	Jack A. Elston
Subject:	Special Provision for Surface Testing of Pavements – IRI
Date:	September 30, 2022

This special provision was developed by the Bureau of Research to change surface testing requirements to the International Roughness Index (IRI), add a new Illinois Test Procedure and improve quality assurance (QA) testing methods. It has been revised to clarify which types of pavement sections within a contract should use IRI, remove the seven day time frame for QC testing, allow a 16 ft straightedge for testing low-speed mainline pavement, clarify definitions and language, increase the allowable ALR value, reduce the assessments per sublot, and allow additional pavement surface grinding equipment.

This special provision should be inserted with contracts involving new concrete pavement, PCC overlays, full-depth HMA, and HMA overlays with at least 2.25 in. total thickness of new HMA combined with either HMA binder or HMA surface removal.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the January 20, 2023 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80435m

SURFACE TESTING OF PAVEMENTS – IRI (BDE)

Effective: January 1, 2021
Revised: January 1, 2023

Description. This work shall consist of testing the ride quality of the finished surface of pavement sections with new concrete pavement, PCC overlays, full-depth HMA, and HMA overlays with at least 2.25 in. (57 mm) total thickness of new HMA combined with either HMA binder or HMA surface removal, according to Illinois Test Procedure 701, "Ride Quality Testing Using the International Roughness Index (IRI)". Work shall be according to Sections 406, 407, or 420 of the Standard Specifications, except as modified herein.

Hot-Mix Asphalt (HMA) Overlays

Add the following to Article 406.03 of the Standard Specifications:

"(n) Pavement Surface Grinding Equipment ..... 1101.04"

Revise Article 406.11 of the Standard Specifications to read:

"**406.11 Surface Tests.** Prior to HMA overlay pavement improvements, the Engineer will measure the smoothness of the existing high-speed mainline pavement. The Contractor shall measure the smoothness of the finished high-speed mainline, low-speed mainline, and miscellaneous pavements after the pavement improvement is complete but within the same construction season. Testing shall be performed in the presence of the Engineer and according to Illinois Test Procedure 701. The pavement will be identified as high-speed mainline, low-speed mainline, or miscellaneous as follows.

(a) Test Sections.

(1) High-Speed Mainline Pavement. High-speed mainline pavement consists of pavements, ramps, and loops with a posted speed limit greater than 45 mph. These sections shall be tested with an inertial profiling system (IPS).

(2) Low-Speed Mainline Pavement. Low-speed mainline pavement consists of pavements, ramps, and loops with a posted speed limit of 45 mph or less. These sections shall be tested using a 16 ft (5 m) straightedge or with an IPS analyzed using the rolling 16 ft (5 m) straightedge simulation in ProVAL.

(3) Miscellaneous Pavement. Miscellaneous pavement are segments that either cannot readily be tested by an IPS or conditions beyond the control of the Contractor preclude the achievement of smoothness levels typically achievable with mainline pavement construction. This may include the following examples or as determined by the Engineer.

a. Pavement on horizontal curves with a centerline radius of curvature of less than or equal to 1,000 ft (300 m) and the pavement within the superelevation transition of such curves;

b. Pavement on vertical curves having a length less than or equal to 200 ft (60 m) in combination with an algebraic change in tangent grade greater than or equal to 3 percent as may occur on urban ramps or other constricted-space facilities;

c. The first and last 50 ft (15 m) of a pavement section where the Contractor is not responsible for the adjoining surface;

d. Intersections and the 25 ft (7.6 m) before and after an intersection or end of radius return;

e. Variable width pavements;

f. Side street returns, to the end of radius return;

g. Crossovers;

h. Pavement connector for bridge approach slab;

i. Bridge approach slab;

j. Pavement that must be constructed in segments of 600 ft (180 m) or less;

k. Pavement within 25 ft (7.6 m) of manholes, utility structures, at-grade railroad crossings, or other appurtenances;

l. Turn lanes; and

m. Pavement within 5 ft (1.5 m) of jobsite sampling locations for HMA volumetric testing that fall within the wheel path.

Miscellaneous pavement shall be tested using a 16 ft (5 m) straightedge.

(4) International Roughness Index (IRI). An index computed from a longitudinal profile measurement using a quarter-car simulation at a simulation speed of 50 mph (80 km/h).

(5) Mean Roughness Index (MRI). The average of the IRI values for the right and left wheel tracks.

a. MRI_O. The MRI of the existing pavement prior to construction.

b. MRI_I. The MRI value that warrants an incentive payment.

c. MRI_F. The MRI value that warrants full payment.

d. MRI_D. The MRI value that warrants a financial disincentive.

(6) Areas of Localized Roughness (ALR). Isolated areas of roughness, which can cause significant increase in the calculated MRI for a given sublot.

(7) Sublot. A continuous strip of pavement 0.1 mile (160 m) long and one lane wide. A partial sublot greater than or equal to 264 ft (80 m) will be subject to the same evaluation as a whole sublot. Partial sublots less than 264 ft (80 m) shall be included with the previous sublot for evaluation purposes.

(b) Corrective Work. Corrective work shall be completed according to the following.

(1) High-Speed Mainline Pavement. For high-speed mainline pavement, any 25 ft (7.6 m) interval with an ALR in excess of 200 in./mile (3,200 mm/km) will be identified by the Engineer and shall be corrected by the Contractor. Any sublot having a MRI greater than MRI_D, including ALR, shall be corrected to reduce the MRI to the MRI_F, or replaced at the Contractor's option.

(2) Low-Speed Mainline Pavement. Surface variations in low-speed mainline pavement which exceed the 5/16 in. (8 mm) tolerance will be identified by the Engineer and shall be corrected by the Contractor.

(3) Miscellaneous Pavements. Surface variations in miscellaneous pavement which exceed the 5/16 in. (8 mm) tolerance will be identified by the Engineer and shall be corrected by the Contractor.

Corrective work shall be completed with pavement surface grinding equipment or by removing and replacing the pavement. Corrective work shall be applied to the full lane width. When completed, the corrected area shall have uniform texture and appearance, with the beginning and ending of the corrected area perpendicular to the centerline of the paved surface.

Upon completion of the corrective work, the surface of the sublot(s) shall be retested. The Contractor shall furnish the data and reports to the Engineer within 2 working days after corrections are made. If the MRI and/or ALR still do not meet the requirements, additional corrective work shall be performed.

Corrective work shall be at no additional cost to the Department.

(c) Smoothness Assessments. Assessments will be paid to or deducted from the Contractor for each sublot of high-speed mainline pavement per the Smoothness Assessment Schedule. Assessments will be based on the MRI of each sublot prior to performing any corrective work unless the Contractor has chosen to remove and replace the pavement.

For pavement that is replaced, assessments will be based on the MRI determined after replacement.

The upper MRI thresholds for high-speed mainline pavement are dependent on the MRI of the existing pavement before construction (MRI_0) and shall be determined as follows.

Upper MRI Thresholds [1/]	MRI Thresholds (High-Speed, HMA Overlay)	
	$MRI_0 \leq 125.0$ in./mile (≤ 1,975 mm/km)	$MRI_0 > 125.0$ in./mile [1/] (> 1,975 mm/km)
Incentive (MRI_I)	45.0 in./mile (710 mm/km)	$0.2 \times MRI_0 + 20$
Full Pay (MRI_F)	75.0 in./mile (1,190 mm/km)	$0.2 \times MRI_0 + 50$
Disincentive (MRI_D)	100.0 in./mile (1,975 mm/km)	$0.2 \times MRI_0 + 75$

1/ MRI_0, MRI_I, MRI_F, and MRI_D shall be in in./mile for calculation.

Smoothness assessments for high-speed mainline pavement shall be determined as follows.

SMOOTHNESS ASSESSMENT SCHEDULE (High-Speed, HMA Overlay)	
Mainline Pavement MRI Range	Assessment Per Sublot [1/]
$MRI \leq MRI_I$	$+ (MRI_I - MRI) \times \$20.00$ [2/]
$MRI_I < MRI \leq MRI_F$	+ \$0.00
$MRI_F < MRI \leq MRI_D$	$- (MRI - MRI_F) \times \$8.00$
$MRI > MRI_D$	– \$200.00

1/ MRI, MRI_I, MRI_F, and MRI_D shall be in in./mile for calculation.

2/ The maximum incentive amount shall not exceed \$300.00.

Smoothness assessments will not be paid or deducted until all other contract requirements for the pavement are satisfied. Pavement that is corrected or replaced for reasons other than smoothness, shall be retested as stated herein."

Hot-Mix Asphalt (HMA) Pavement (Full-Depth)

Revise the first paragraph of Article 407.03 of the Standard Specifications to read:

"**407.03 Equipment.** Equipment shall be according to Article 406.03."

Revise Article 407.09 of the Standard Specifications to read:

"**407.09 Surface Tests.** The finished surface of the pavement shall be tested for smoothness

according to Article 406.11, except as follows:

The testing of the existing pavement prior to improvements shall not apply and the smoothness assessment for high-speed mainline pavement shall be determined according to the following table.

SMOOTHNESS ASSESSMENT SCHEDULE (High-Speed, Full-Depth HMA)	
Mainline Pavement MRI, in./mile (mm/km)	Assessment Per Sublot [1/]
≤ 45.0 (710)	+ (45 – MRI) × $45.00 [2/]
> 45.0 (710) to 75.0 (1,190)	+ $0.00
> 75.0 (1,190) to 100.0 (1,580)	– (MRI – 75) × $20.00
> 100.0 (1,580)	– $500.00

1/ MRI shall be in in./mile for calculation.

2/ The maximum incentive amount shall not exceed $800.00."

Portland Cement Concrete Pavement

Delete Article 420.03(i) of the Standard Specifications.

Revise Article 420.10 of the Standard Specifications to read:

"**420.10 Surface Tests.** The finished surface of the pavement shall be tested for smoothness according to Article 406.11, except as follows.

The testing of the existing pavement prior to improvements shall not apply. The Contractor shall measure the smoothness of the finished surface of the pavement after the pavement has attained a flexural strength of 250 psi (3,800 kPa) or a compressive strength of 1,600 psi (20,700 kPa).

Membrane curing damaged during testing shall be repaired as directed by the Engineer at no additional cost to the Department.

(a) Corrective Work. No further texturing for skid resistance will be required for areas corrected by grinding. Protective coat shall be reapplied to areas ground according to Article 420.18 at no additional cost to the Department.

Jointed portland cement concrete pavement corrected by removal and replacement, shall be corrected in full panel sizes.

(b) Smoothness Assessments. Smoothness assessment for high-speed mainline pavement shall be determined as follows.

SMOOTHNESS ASSESSMENT SCHEDULE (High-Speed, PCC)	
Mainline Pavement MRI, in./mile (mm/km) 3/	Assessment Per Sublot 1/
≤ 45.0 (710)	+ (45 – MRI) × $60.00 2/
> 45.0 (710) to 75.0 (1,190)	+ $0.00
> 75.0 (1,190) to 100.0 (1,580)	– (MRI – 75) × $37.50
> 100.0 (1,580)	– $750.00

1/ MRI shall be in in./mile for calculation.

2/ The maximum incentive amount shall not exceed $1200.00.

3/ If pavement is constructed with traffic in the lane next to it, then an additional 10 in./mile will be added to the upper thresholds."

Removal of Existing Pavement and Appurtenances

Revise the first paragraph of Article 440.04 of the Standard Specifications to read:

"**440.04 HMA Surface Removal for Subsequent Resurfacing.** The existing HMA surface shall be removed to the depth specified on the plans with a self-propelled milling machine. The removal depth may be varied slightly at the discretion of the Engineer to satisfy the smoothness requirements of the finished pavement. The temperature at which the work is performed, the nature and condition of the equipment, and the manner of performing the work shall be such that the milled surface is not torn, gouged, shoved or otherwise damaged by the milling operation. Sufficient cutting passes shall be made so that all irregularities or high spots are eliminated to the satisfaction of the Engineer. When tested with a 16 ft (5 m) straightedge, the milled surface shall have no surface variations in excess of 3/16 in. (5 mm)."

General Equipment

Revise Article 1101.04 of the Standard Specifications to read:

"**1101.04 Pavement Surface Grinding Equipment.** The pavement surface grinding device shall have a minimum effective head width of 3 ft (0.9 m).

(a) Diamond Saw Blade Machine. The machine shall be self-propelled with multiple diamond saw blades.

(b) Profile Milling Machine. The profile milling machine shall be a drum device with carbide or diamond teeth with spacing of 0.315 in. (8 mm) or less and maintain proper forward speed for surface texture according to the manufacturer's specifications."

80435

Illinois Department of Transportation

Memorandum

To:	Regional Engineers
From:	Jack A. Elston
Subject:	Special Provision for Vehicle and Equipment Warning Lights
Date:	August 5, 2022

This special provision was developed to improve work zone safety by requiring the Contractor's vehicles and equipment to be equipped with warning lights.

This special provision should be inserted into contracts with closed lane construction. It should not be used with moving operations only contracts.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the November 18, 2022 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80439m

VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)

Effective: November 1, 2021
Revised: November 1, 2022

Add the following paragraph after the first paragraph of Article 701.08 of the Standard Specifications:

"The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. In accordance with 625 ILCS 5/12-215, the lights may only be in operation while the vehicle or equipment is engaged in construction operations."

80439

2025 RESURFACING PROGRAM CDBG/ HUD FUNDING REQUIREMENTS

CDBG/HUD funding will be used for work on the following locations:

- Cedar St - Arlington Heights Rd to Highland Ave

1. FEDERAL LAWS, REGULATIONS & DOCUMENTATION FOR CDBG FUNDED WORK

This project is being financially supported by federal funds awarded by the U.S. Department of Housing and Urban Development under the Community Development Block Grant (CDBG) Program. As a result of using federal funds on this project there are a number of regulations that must be adhered to in order to receive prompt payment for work done under the program. See the attached "Contract Provisions for Federally-Assisted Construction/Rehab Projects" which must be signed and returned with the Contractor's bid.

2. CONTRACT PROVISIONS

2.01 If the contract is not executed within 90 days of the bid opening, the DOL wage determination included in the bid documents will no longer be valid. A new and current DOL wage determination must be obtained and included in the contract.

2.02 The CDBG posters must be posted at the job site. Copies of the required posters are included in the bid documents. A completed form HUD-4720 must be posted with the posters showing wage rates to be paid.

2.03 The DOL Payroll form (WH-347) must be completed and submitted by the Contractor on a weekly basis, to be compared to the DOL wage determination by the Engineer.

2.04 Various construction workers from the Contractor will be interviewed by the Engineer. The Employee Interview form is included in the bid documents.

2.05 The Contractor shall insert the Contract Provisions for Federally-Assisted Construction/Rehab Projects, the Federal Labor Standards Provisions, and the applicable Department of Labor Wage Determination into all subcontracts and specify in all subcontracts that all subcontracts are subject to federal regulations 29 CFR 5.5. The Contractor shall provide the Village with copies of all signed subcontracts and subcontractor-signed Contract Provisions for Federally-Assisted Construction/Rehab Projects.

3. HUD REPORTS AT COMPLETION OF PROJECT

3.01 **"Contract & Subcontract Activity".** The information called for will be needed for the period from the date of the contract through June 28, 2024 (completion date for the CDBG location is June 28, 2024). This report must be submitted to the Engineer by July 31st 2025.

4. BABA Langauge

4.01 The Grantee must comply with the requirements of the Build America, Buy America (BABA) Act, 41 USC 8301 note, and all applicable rules and notices, as may be amended, if applicable to the Grantee's infrastructure project. Pursuant to HUD's Notice, "Public Interest Phased Implementation Waiver for FY 2022 and 2023 of Build America, Buy America Provisions as Applied to Recipients of HUD Federal Financial Assistance" (88 FR 17001), any funds obligated by ffiJD on or after the applicable listed effective dates, are subject to BABA requirements, unless excepted by a waiver.

Contract Provisions
for Federally-Assisted Construction/Rehab Projects

INTRODUCTION

This project is being financially supported by federal funds awarded by the U.S. Department of Housing and Urban Development under the Community Development Block Grant (CDBG) Program. The Village of Arlington Heights Planning Department administers the CDBG Programs. As a result of using federal funds on this project there are a number of regulations that must be adhered to in order to receive prompt payment for work done under the program.

The information provided on the following pages outlines a number of conditions that the Contractor must abide by in order to enter into a contract for the work described in the specifications and contract drawings.

The following conditions take precedence over any conflicting conditions in the contract:

SEC. 1. APPLICATION TO SUBCONTRACTORS. No money under this contract shall be disbursed by the Contractor to any sub-contractor or agency except pursuant to a written contract which incorporates the conditions listed below to the extent they are applicable.

SEC. 2. DEFINITIONS. As used in this contract:

"HUD" means the Secretary of Housing and Urban Development or a person authorized to act on his behalf.

"Village" means the President and Board of Trustees of the Village of Arlington Heights or a person authorized to act in their behalf.

"Act" means Title I of the Housing and Community Development Act of 1974, as amended, unless otherwise specified.

SEC. 3. ACCESS TO RECORDS AND RECORDS RETAINAGE.

A. **Records to be Kept**. Records shall be maintained in accordance with requirements prescribed by HUD or the Village with respect to all matters covered by this contract. Except as otherwise authorized by HUD, such records shall be maintained for a period of five (5) years after receipt of the final payment under this contract.

B. **Documentation of Costs.** All costs shall be supported by properly executed payrolls, time records, invoices, contracts, vouchers, orders, or other accounting documents. All documents pertaining in whole or in part to this contract shall be clearly identified and readily accessible.

C. **Inspection of Records.** At any time during normal business hours and as often as the Village, HUD and/or the Comptroller General of the United States may deem necessary, the Contractor shall make available to the Village, HUD and/or representatives of the Comptroller General for examination all of its records, with respect to all matters covered by this contract, and will permit the Village, HUD and/or representatives of the Comptroller General to audit, examine and make excerpts or transcripts from such records including contracts, invoices, materials, payrolls, records of personnel, conditions of employment and any other data relating to matters covered by this contract.

SEC. 4. LOBBYING. The Contractor certifies, to the best of his or her knowledge and belief, that:

1. No federally appropriated funds have been paid or will be paid, by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in

connection with the awarding of any federal loan, the entering into of any cooperative agreement, or the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan or cooperative agreement.

2. If any funds other than federally appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

3. The Contractor shall require that the language of this certification be included in the award documents for all sub-awards at all tiers including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements.

4. This certification is a material representation of fact upon which reliance was placed when this contract was made or entered into. Agreement to this certification is a prerequisite for making or entering into this contract imposed by Section 1352, title 31, U.S. Code. Any person or agency that makes an expenditure prohibited by this section is subject to a civil penalty from $10,000 up to $100,000 for each failure. This penalty also applies to any person or agency that fails to submit or amend the disclosure form (LLL), when required. Failure to submit the required certification may result in payment under this contract being delayed or denied.

SEC. 5. DISCRIMINATION. Contractors shall comply with all relevant requirements of the following federal laws and regulations dealing with discrimination in federally assisted programs:

1. **Title VI of the Civil Rights Act of 1964 (42 U.S.C. 20000d)** which provides that no person shall, on the ground of race, color, or national origin, be excluded from employment or participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance.

2. Section 109 of Title I of the Housing and Community Development Act of 1974, as amended (42 U.S.C. 5309) and regulations at CFR 570.602 which provide that no person shall on the grounds of race, color, national origin, or sex, be excluded from participation in, be denied the benefits of, be denied employment in, or be subjected to discrimination under any CDBG program or activity.

3. **Section 504 of the Rehabilitation Act of 1973, as amended, (29 U.S.C. 794)** which provides that no otherwise qualified handicapped individual shall, solely by reason of his/her handicap, be excluded from the participation in, be denied the benefits of, be denied employment in, or be discriminated against under any program or activity receiving federal assistance.

A. **Age discrimination Act of 1975, as amended (42 U.S.C. 6101)** which provides that no person shall, on the basis of age, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal assistance.

B. **Executive Order 11246, as amended by Executive Order 12086, and regulations in 41 CFR 60,** which provides that no person shall be discriminated against on the basis of race, color, religion, sex, or national origin in all phases of employment during the performance of federally-assisted construction contracts and subcontracts. Contractors and subcontractors shall take affirmative action to ensure fair treatment in employment, including recruitment, training, promotion, demotion, transfer, layoff, termination, and pay.

1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action

shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay of other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions in this nondiscrimination clause.

2. The Contractor will, in all solicitations or advertisement for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.

3. The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advertising the labor union or worker's representative of the Contractor's commitments under section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

4. The Contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary ofLabor.

5. The Contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations and orders.

6. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, and orders, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

7. The Contractor will include the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontractor or purchase order as the contracting agency, and may direct the subcontractor or vendor as a means of enforcing such provisions including sanctions for noncompliance. Provided, however, that in the event the contract becomes involved in, or threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the Contractor may request the United States to enter into such litigation to protect the interest of the United States.

FSEC. 6. LABOR STANDARDS. Contractors shall comply with all relevant requirements of the following federal laws and regulations dealing with labor standards in federally assisted programs:

1. **Davis-Bacon Act Provisions.** All contracts for construction work in excess of $2,000 awarded by grantees and subgrantees shall include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 276 a to a.7) as supplemented by Department of Labor Regulations (29 CFR Part 5). However, these requirements apply to the **rehabilitation** of residential property only if such property contains eight (8) or more units. The Davis Bacon Act is **not** triggered when CDBG funds are used for non-

construction work such as acquisition, purchase of equipment, architectural and engineering fees, other services (legal, accounting, construction management), etc.

1. All workers employed by Contractors or subcontractors on construction work costing over $2,000 and financed in whole or in part under this Contract shall be paid wages at rates not less than those prevailing on similar construction in the locality, as determined by the Secretary of Labor and specified in a wage determination.

2. In construction projects subject to the Davis-Bacon Act, Contractors and subcontractors shall submit weekly payroll information for each worker in the form prescribed by HUD, and shall post a notice listing the minimum wage rates at the work site or sites. In addition, Contractors and subcontractors shall be required to pay wages at least once a week.

B. **Copeland "Anti-Kick Back Act" (18 U.S. C. 876) as supplemented in Department of Labor regulations (29 CFR Part 3).** This Act provides that the Contractor shall be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he is otherwise entitled.

C. Contract Work Hours and Safety Standards Act (40 U.S.C. 327 et seq.).
Contracts awarded by grantees and subgrantees in excess of $2,000 which involve the employment of mechanics or laborers shall comply with Section 103 and 107 of the Contract Work Hours and Safety Standards Act (40 USC 327-330) as supplemented by Department of Labor Regulations contained in 29 CFR Parts 3, 5 and 5a.

1. Under Section 103 Of the Act, the Contractor and any of his subcontractors, shall be required to compute the wages of every mechanic and laborer on the basis of a standard work week of forty hours. Work in excess of the standard work week is permissible, provided the worker is compensated at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in any work week.

2. Section 107 of the Act provides that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous to his health and safety, as determined under construction, safety and health standards promulgated by the Secretary of Labor. These requirements do not apply to the purchase of supplies or materials or articles ordinarily available on the open market.

SEC. 7. Clean Water, Clean Air, E.O. 11738 and EPA Regulations Provision Compliance with Air and Water Acts apply to assisted construction contracts and related subcontracts exceeding $100,000. In compliance with Section 306 of the Clean Air Act, as amended, (42 U.S.C. 1857(h)), Section 508 of the Clean Water Act, as amended, (33 U.S.C. 1368), Executive Order 11738, and the Regulations (40 CFR, part 15) of the Environmental Protection Agency with respect thereto the Contractor agrees that:

1. Any facility to be utilized in the performance of this contract or any subcontract shall not be a facility listed on the EPA List of Violating Facilities pursuant to 40 CFR 15.20.

2. They will comply with all requirements of Section 306 of the Clean Air Act, as amended, and Section 508 of the Clean Water Act, as amended, and all regulations and guidelines issued there under.

3. They will promptly notify the Village of any notification received from the EPA Office of Federal Activities, indicating that a facility utilized or to be utilized for the contract is under consideration to be listed on the EPA List of Violating Facilities.

4. They will include the provisions of paragraph 1 through 4 of this subpart in every nonexempt subcontract, and take such action as the Government may direct as a means of enforcing such provisions.

SEC. 8. LEAD BASED PAINT. The use of lead-based paint in the federally assisted construction or rehabilitation of residential structures (including day cares, senior centers, and community facilities) is prohibited by Section 401(b) of the Lead-Based Paint Poisoning Prevention Act [42 U.S.C. 4831(b)] and regulations in 24 CFR 35B**.** To the extent that contracted work involves residential structures, the Contractor and subcontractors must follow the new regulations issued under sections 1012 and 1013 of the Residential Lead-Based Paint Hazard Reduction Act of 1992, which is Title X ("ten") of the Housing and Community Development Act of 1992. Sections 1012 and 1013 of Title X amended the Lead-Based Paint Poisoning Prevention Act of 1971, which is the basic law covering lead-based paint in federally associated housing. The new regulation appears within title 24 of the Code of Federal Regulations as part 35 (24 CFR 35).

1. The Contractor and subcontractors shall not use lead-based paint in residential structures and shall eliminate any lead-based paint hazards in residential structures rehabilitated.

2. At a minimum the Contractor and subcontractors must comply with the Lead Hazard Reduction Methods in 24 CFR 35.1330 and 1325.

3. All workers involved in the disturbance of lead-based paint bearing surfaces should be trained in lead safe work practices.

4. At the conclusion of residential rehabilitation, the property must pass a lead hazard clearance test by a certified technician and lab. The lead level must meet the federal and North Carolina standard lead level threshold for Childhood Lead Exposure Act of North Carolina and the Environmental Protection Agency. Clearance is not required if rehabilitation did not disturb painted surfaces of a total area more than that set forth in 24 CFR 35.1350(d).

SEC. 9. USE OF DEBARRED, SUSPENDED OR INELIGIBLE CONTRACTORS. CDBG funds shall not be used directly or indirectly to employ, award contracts to, or otherwise engage the services of, or fund any Contractor or subrecipient during any period of debarment, suspension or placement in ineligibility status under the provisions of 24 CFR Part 24. (Government Debarment and Suspension Regulations).

SEC. 10. CONFLICT OF INTEREST.

A. **Interest of Members, Officers, or Employees of the Recipient, Members of Local Governing Body, or Other Public Officials**. No member, officer, or employee of the recipient, subrecipient, or its agents, no member of the governing body of the locality in which the program is situated, and no other public official of such locality or localities who exercise any functions or responsibilities with respect to the program during his/her tenure or for one year thereafter, shall have any financial interest, direct or indirect, in any contract or subcontract, or the proceeds thereof, for work to be performed in connection with the program assisted under this agreement. Immediate family members of said members, officers, employees, and officials are similarly barred from having any financial interest in the program. This provision shall be incorporated in all such contracts or subcontracts.

B. **Contractor's Responsibilities.** The Contractor shall take appropriate steps to assure compliance with paragraph (A) of this section, and will incorporate the following provision into every sub-contract:

Interest of Sub-Contractor and Employees. The Sub-Contractor covenants that no person who presently exercises any functions or responsibilities in connection with the Community Development Block Grant Program has any personal financial interest, direct or indirect, in this Contract. Any interest on the part of the Sub-Contractor or his employees must be disclosed to the Recipient and the Village, provided, however, that this paragraph shall be interpreted in such a manner so as not to unreasonably impede the

statutory requirement that maximum opportunity be provided for employment of and participation by residents of the area."

SEC. 11. DISPUTES, DEFAULT AND TERMINATION

A. **Disputes.** In the event of dispute arising under this Contract, the Contractor shall notify the Village promptly in writing of their contentions and submit the claim. If the dispute arises before performance of the related work, the written notice shall be submitted prior to commencing such work. In any event, the Contractor shall proceed with such work in compliance with the instructions of the Village; such compliance shall not be a waiver of the Contractor's rights to make a claim, provided they have notified the Village in writing as above stipulated.

B. Default and Remedies.

1. Default shall consist of any failure by the Contractor to perform under this contract or written amendments thereto or any breach of any covenant, agreement, provision or warranty provided by the Contractor as a part of this contract. Actions which constitute a default include, but are not limited to:

   a. Failure to submit to the Village reports which are required pursuant to this contract or the submission of required reports that are incorrect or incomplete.

   b. Submission of requests for payment or reimbursement of amounts that are incorrect or incomplete.

   c. The failure of the Contractor to accept any additional conditions which may be provided by law, by executive order, by regulation or by other policy announced by the Village, the state or any federal agency.

   d. Failure to perform any activity required by this contract.

2. Upon occurrence of any default, the Village shall advise the Contractor in writing of the action constituting the default, and specify the actions that must be taken to cure the default. The Village may suspend payment under the contract. If a default is not cured within 30 days from receipt of written notice of such default by the Contractor, the Village may continue the suspension or, by written notice of termination, may terminate the contract.

3. Notwithstanding the above, the Contractor shall not be relieved of liability to the Village for damage sustained by the Village by virtue of any default or breach of the contract; and the Village may deduct the amount of damages from any outstanding payments to the Contractor or may withhold payments until such time as the exact amount of the damages is determined.

C. Termination.

1. If federal funding for this project is terminated and no other funding is available for continuation of this project, the Village will not be obligated to continue funding for the services contained in this contract and may terminate the contract.

2. In the event of termination, all property and finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs and reports prepared by or purchased with CDBG funds by the Contractor under this contract shall, at the option of the Village, become its property and the Contractor shall be entitled to receive just and equitable compensation for any work satisfactorily completed hereunder.

Contractor Company Name (printed)

Contractor Signature

Contractor Printed Name

Date Signed

Applicability

The Project or Program to which the construction work covered by this contract pertains is being assisted by the United States of America and the following Federal Labor Standards Provisions are included in this Contract pursuant to the provisions applicable to such Federal assistance.

A. 1. (i) Minimum Wages. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR
5. 5(a)(1)(iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period.

Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5. 5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under
29 CFR 5. 5 (a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible, place where it can be easily seen by the workers.

(ii) **(a)** Any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefor only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(b) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division, Employment Standards Administration, U. S. Department of Labor, Washington, D. C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB control number 1215-0140.)

(c) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)

(d) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (1)(ii)(b) or (c) of this paragraph, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part

of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona f ide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis- Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program. (Approved by the Office of Management and Budget under OMB Control Number 1215- 0140.)

2. Withholding. HUD or i ts designee shall upon i ts own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract In the event of failure to pay any laborer or mechanic, including any apprentice, trainee or helper, employed or working on the site of the work, all or part of the wages required by the contract, HUD or i ts designee may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased. HUD or i ts designee may, after written notice to the contractor, disburse such amounts withheld for and on account of the contractor or subcontractor to the respective employees to whom they are due. The Comptroller General shall make such disbursements in the case of direct Davis-Bacon Act contracts.

3. (i) Payrolls and basic records. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona f ide fringe benefits or cash equivalents thereof of the types described in Section l(b)(2)(B) of the Davis-bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. W henever the Secretary of Labor has found under 29 CFR 5. 5 (a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section l (b)(2)(B) of the Davis- Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is f inancially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs. (Approved by the Office of Management and Budget under OMB Control Numbers 1215 -0140 and 1215- 0017.)

(ii) (a) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to HUD or i ts designee i f the agency is a party to the contract, but i f the agency is not such a party, the contractor will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or i ts designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5. 5(a)(3)(i) except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e. g., the last four digits of the employee' s social security number). The required weekly payroll information may be submitted in any form desired. Optional Form W H-347 is available for this purpose from the W age and Hour Division W eb site at *http:// www. dol. gov/ esa/whd/forms/ wh347instr. htm* or i ts successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to HUD or i ts designee i f the agency is a party to the contract, but i f the agency is not such a party, the contractor will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or i ts designee, the contractor, or the W age and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. I t is not a violation of this subparagraph for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for i ts own records, without weekly submission to HUD or i ts designee. (Approved by the Office of Management and Budget under OMB Control Number 1215-0149.)

(b) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under 29 CFR 5. 5 (a)(3)(ii), the appropriate information is being maintained under 29 CFR 5. 5(a)(3)(i), and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(c) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by subparagraph A. 3.(ii)(b).

(d) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code.

(iii) The contractor or subcontractor shall make the records required under subparagraph A. 3.(i) available for inspection, copying, or transcription by authorized representatives of HUD or i ts designee or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. I f the contractor or subcontractor fails to submit the required records or to make them available, HUD or i ts designee may, after written notice to the contractor, sponsor, applicant or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5. 12.

4. Apprentices and Trainees.

(i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona f ide apprenticeship program registered with the U. S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or i f a person is employed in his or her f i rst 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker l isted on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which i ts program is registered, the ratios and wage rates (expressed in percentages of the journeyman' s hourly rate) specified in the contractor' s or subcontractor' s registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice' s level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. I f the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits l isted on the wage determination for the applicable classification. I f the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5. 16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant ' , to and individually registered in a program which has received prior approval, evidenced by formal certification by the U. S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee' s level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. I f the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits l isted on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee l isted on the payroll at a trainee rate who is not registered and participating in a training plan approved by

the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under 29 CFR Part 5 shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR Part 3 which are incorporated by reference in this contract

6. Subcontracts. The contractor or subcontractor will insert in any subcontracts the clauses contained in subparagraphs 1 through 11 in this paragraph A and such other clauses as HUD or i ts designee may by appropriate instructions require, and a copy of the applicable prevailing wage decision, and also a clause requiring the subcontractors to include these clauses in any lower t ier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower t ier subcontractor with all the contract clauses in this paragraph.

7. Contract termination; debarment. A breach of the contract clauses in 29 CFR 5. 5 may be grounds for termination of the contract and for debarment as a contractor and a subcontractor as provided in 29 CFR 5. 12.

8. Compliance with Davis-Bacon and Related Act Requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of i ts subcontractors) and HUD or i ts designee, the U. S. Department of Labor, or the employees or their representatives.

10. (i) Certification of Eligibility. By entering into this contract the contractor certifies that neither i t (nor he or she) nor any person or f i rm who has an interest in the contractor' s f i rm is a person or f i rm ineligible to be awarded Government contracts by virtue of Section 3 (a) of the Davis-Bacon Act or 29 CFR 5. 12 (a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.

(ii) No part of this contract shall be subcontracted to any person or f i rm ineligible for award of a Government contract by virtue of Section 3 (a) of the Davis-Bacon Act or 29 CFR 5. 12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24 .

(iii) The penalty for making false statements is prescribed in the U. S. Criminal Code, 18 U. S. C. 1001. Additionally,
U. S. Criminal Code, Section 1 01 0, Title 18, U.S.C., "Federal Housing Administration transactions", provides in part: "W hoever, for the purpose of . . . influencing in any way the action of such Administration..... makes, utters or publishes any statement knowing the same to be false.....
shall be f ined not more than $5, 000 or imprisoned not more than two years, or both."

11. Complaints, Proceedings, or Testimony by Employees. No laborer or mechanic to whom the wage, salary, or other labor standards provisions of this Contract are applicable shall be discharged or in any other manner discriminated against by the Contractor or any subcontractor because such employee has f i led any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or relating to the labor standards applicable under this Contract to his employer.

B. Contract Work Hours and Safety Standards Act. The provisions of this paragraph B are applicable where the amount of the prime contract exceeds $100,000. As used in this paragraph, the terms "laborers" and "mechanics" include watchmen and guards.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which the individual is employed on such work to work in excess of 40 hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.

(2) Violation; l iability for unpaid wages; l iquidated damages. In the event of any violation of the clause set forth in subparagraph (1) of this paragraph, the contractor and any subcontractor responsible therefor shall be l iable for the unpaid wages. In addition, such contractor and subcontractor shall be l iable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for l iquidated damages. Such l iquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in subparagraph (1) of this paragraph, in the sum of $10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by the clause set forth in sub paragraph (1) of this paragraph.

(3) Withholding for unpaid wages and liquidated damages. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contract, or any other Federally- assisted contract subject to the Contract Work Hours and Safety Standards Act which is held by the same prime contractor such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (2) of this paragraph.

(4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in subparagraph (1) through (4) of this paragraph and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in subparagraphs (1) through (4) of this paragraph.

C. Health and Safety. The provisions of this paragraph C are applicable where the amount of the prime contract exceeds $100,000.

(1) No laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his health and safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation.

(2) The Contractor shall comply with all regulations issued by the Secretary of Labor pursuant to Title 29 Part 1926 and failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act, (Public Law 91- 54, 83 Stat 96). 40 USC 3701 et seq.

(3) The contractor shall include the provisions of this paragraph in every subcontract so that such provisions will be binding on each subcontractor. The contractor shall take such action with respect to any subcontractor as the Secretary of Housing and Urban Development or the Secretary of Labor shall direct as a means of enforcing such provisions.

"General Decision Number: IL20250009 01/10/2025

Superseded General Decision Number: IL20240009

State: Illinois

Construction Types: Building, Heavy, Highway and Residential

County: Cook County in Illinois.

BUILDING, RESIDENTIAL, HEAVY, AND HIGHWAY PROJECTS (does not include landscape projects).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least $17.75 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least $13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2025.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at http://www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2025
1	01/10/2025

ASBE0017-001 06/01/2024

	Rates	Fringes
ASBESTOS WORKER/INSULATOR Includes the application of all insulating materials, protective coverings, coatings, and finishes to all types of mechanical systems	$ 55.02	35.75
Fire Stop Technician	$ 44.02	32.76
HAZARDOUS MATERIAL HANDLER includes preparation, wetting, stripping removal scrapping, vacuuming, bagging and disposal of all insulation materials, whether they contain asbestos or not, from mechanical systems	$ 41.27	32.76

BOIL0001-001 05/01/2021

	Rates	Fringes
BOILERMAKER	$ 52.61	33.07

BRIL0021-001 06/01/2016

	Rates	Fringes
BRICKLAYER	$ 44.88	26.62

BRIL0021-004 06/01/2017

	Rates	Fringes
Marble Mason	$ 44.63	26.83

BRIL0021-006 06/01/2017

	Rates	Fringes
TERRAZZO WORKER/SETTER	$ 44.38	25.84
TILE FINISHER	$ 38.56	22.10
TILE SETTER	$ 45.49	25.72

BRIL0021-009 06/01/2017

	Rates	Fringes
MARBLE FINISHER	$ 33.95	26.03

BRIL0021-012 06/01/2017

	Rates	Fringes
Pointer, cleaner and caulker	$ 45.42	24.06

CARP0555-001 06/01/2022

BUILDING, HEAVY, AND HIGHWAY

	Rates	Fringes
CARPENTER		
Carpenter, Lather, Millwright, Piledriver, and Soft Floor Layer		
Building	$ 52.01	38.85
Heavy & Highway	$ 52.01	38.85

CARP0555-002 10/01/2023

RESIDENTIAL CONSTRUCTION

	Rates	Fringes
CARPENTER	$ 45.61	35.31

ELEC0009-003 05/26/2024

	Rates	Fringes

Line Construction
     Groundman.....$ 48.44 60.05%
     Lineman and Equipment
     Operator.....$ 62.10 60.05%
---------- ELEC0134-001 06/03/2024

	Rates	Fringes
ELECTRICIAN	$ 55.55	41.57

---------- ELEC0134-003 06/03/2024

	Rates	Fringes
ELECTRICIAN		
ELECTRICAL TECHNICIAN	$ 49.86	30.05

The work shall consist of the installation, operation, inspection, maintenance, repair and service of radio, television, recording, voice sound vision production and reproduction, telephone and telephone interconnect, facsimile, data appatatus, coaxial, fibre optic and wireless equipment, appliances and systems used for the transmission and reception of signals of any nature, business, domestic, commercial, education, entertainment and residential purposes, including but not limited to communication and telephone, electronic and sound equipment, fibre optic and data communication systems, and the performance of any task directly related to such installation or service whether at new or existing sites, such tasks to include the placing of wire and cable and electrical power conduit or other raceway work within the equipment room and pulling wire and/or cable through conduit and the installation of any incidential conduit.

ELEV0002-001 01/01/2024

	Rates	Fringes	ELEVATOR
MECHANIC	$ 67.84	37.885+a+b	FOOTNOTES:

a) PAID HOLIDAYS: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Day after Thanksgiving Day; Veterans' Day and Christmas Day.

b) Employer contributes 8% of regular hourly rate as vacation pay credit for employee with more than 5 years of service, and 6% for employee with less than 5 years service

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* ENGI0150-006 06/01/2024

Building and Residential Construction

	Rates	Fringes
OPERATOR: Power Equipment		
GROUP 1	$ 60.80	49.20
GROUP 2	$ 59.50	49.20
GROUP 3	$ 56.95	49.20
GROUP 4	$ 55.20	49.20

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Mechanic; Asphalt Plant*; Asphalt Spreader; Autograde*; Backhoes with Caisson attachment*:Batch Plant*; Benoto(Requires two Engineers); Boiler and Throttle Valve; Caisson Rigs*; Central Redi-Mix Plant*; Combination Backhoe Front Endloader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted)*; Concrete Conveyor; Concrete Conveyor, Truck Mounted; Concrete Paver over 27E cu. ft.*; Concrete Paver 27E cu ft and Under*; Concrete Placer*; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes*; Cranes, Hammerhead*; Cranes, (GCI and similar type Requires two operators only); Creter Crane; Crusher, Stone, etc; Derricks; Derricks, Traveling*; Formless Curb and Gutter Machine*; Grader, Elevating; Grouting Machines; Highlift Shovels or Front Endloader 2 1/4 yd. and over; Hoists, Elevators, Outside Type Rack and pinion and similar Machines; Hoists, One, Two, and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes*; Hydraulic Boom Trucks; Hydraulic Vac (and similar equipment);Locomotives; Motor Patrol*; Pile Drivers amd Skid Rig*; Post Hole Digger; Pre- Stress Machine; Pump Cretes Dual Ram(Requiring frequent Lubrication and Water); Pump Cretes; Squeeze Cretes-Screw Type Pumps Gypsum Bulker and Pump; Raised and Blind Hole Drill*; Roto Mill Grinder (36"" and Over)*; Roto Mill Grinder (Less Than 36"")*; Scoops-Tractor Drawn; Slip-Form Paver*; Straddle Buggies; Tournapull; Tractor with Boom, and Side Boom; and Trenching Machines*.

GROUP 2: Bobcat (over 3/4 cu yd); Boilers; Broom, Power Propelled; Bulldozers; Concrete Mixer (Two Bag and over); Conveyor, Portable; Forklift Trucks; Greaser Engineer;

Highlift Shovels or Front End loaders under 2 1/4 cu yd; Aotomatic Hoists, Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted)*; Rollers; Steam Generators; Tractors; Tractor Drawn Vibratory Roller (Receives an additional $.50 per hour); Winch Trucks with ""A"" Frame.

GROUP 3: Air Compressor-Small 250 and Under (1 to 5 not to exceed a total of 300 ft); Air Compressor-Large over 250; Combination-Small Equipment Operator; Generator- Small 50 kw and under; Generator-Large over 50 kw; Heaters, Mechanical; Hoists, Inside Elevators (Remodeling or Renovatin work); Hydrualic Power Units (Pile Driving, Extracting, and Drilling); Low Boys; Pumps Over 3"" (1 To 3 not to exceed a total of 300 ft); Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches; Bobcat (up to and including 3/4 cu yd)

GROUP 4 - Bobcats and/or other Skid Steer Loaders; Brick Forklifts; Oilers

*-Requires Oiler

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* ENGI0150-025 06/01/2024

Heavy and Highway Construction

	Rates	Fringes
OPERATOR: Power Equipment		
GROUP 1	$ 59.00	49.20
GROUP 2	$ 58.45	49.20
GROUP 3	$ 56.40	49.20
GROUP 4	$ 55.00	49.20
GROUP 5	$ 53.80	49.20

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt Plant*; Asphalt Heater and Planer combination; Asphalt Heater Scarfire*, Asphalt Spreader; Autograder/ GOMACO or similar; ABG Paver*, Backhoes with Caisson attachment*, Ballast Regulator, Belt Loader*; Caisson Rigs*Car Dumper, Central Redi-Mix Plant*, Combination Backhoe; Front End Loader Machine (1 cu yd or over Backhoe bucket or with attachments); Concrete Breaker (truck mounted); Concrete Conveyor; Concrete Paver over 27E cu ft*; Concrete Placer*; Concrete Tube Float; Cranes, all attachments*; Cranes, Hammerhead, Linden, Peco and machines

of a like nature*; Creter Crane; Crusher, stone; All Derricks; Derrick Boats; Derricks, traveling*; Dowell Machine with Air Compressor ($1.00 above Class 1); Dredges*; Field Mechanic Welder; Formless Curb and Gutter Machine*; Gradall and machines of a like nature*; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver mounted*; Hoists, one, two, and three Drum; Hydraulic Backhoes*; Backhoes with Shear attachments*; Mucking Machine; Pile Drivers and Skid Rig*; Pre-Stress Machine; Pump Cretes Dual Ram (requires frequent lubrication and water)*; Rock Drill- Crawler or Skid Rig*; Rock Drill truck mounted*; Rock/ Track Tamper; Roto Mill Grinder, (36"" and over)*; Slip-Form Paver*; Soil Test Drill Rig, truck mounted*; Straddle Buggies; Hydraulic Telescoping Form (tunnel); Tractor Drawn Belt Loader*; Tractor Drawn Belt Loader with attached Pusher (two engineers); Tractor with boom; Tractaire with attachment; Traffic Barrier Transfer Machine*; Trenching Machine; Truck Mounted Concrete Pump with boom*; Underground Boring and/or Mining Machines 5 ft in diameter and over tunnel, etc.*; Wheel Excavator* & Widener (Apsco); Raised or Blind Hoe Drill, Tunnel & Shaft*

GROUP 2: Batch Plant*; Bituminous Mixer; Boiler and Throttle Valve; Bulldozer; Car Loader Trailing Conveyors; Combination Backkhoe Front End Loader Machine, (less than 1 cu yd Backhoe Bucket with attachments); Compressor and Throttle Valve; Compressor, common receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S series to and including 27 cu ft; Concrete Spreader; Concrete Curing Machine; Burlap Machine; Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or similar type); Drills (all); Finishing Machine-Concrete; Greaser Engineer; Highlift Shovels or Front End Loader; Hoist- Sewer Dragging Machine; Hydraulic Boom Trucks, all attachments; Hydro-Blaster (requires two operators); Laser Screed*; Locomotives, Dinky; Off-Road Hauling Units (including articulating); Pump Cretes; Squeeze Cretes-Screw Type pumps, Gypsum Bulker and Pump; Roller Asphalt; Rotary Snow Plows; Rototiller, Seaman, self-Propelled; Scoops-Tractor Drawn; Self- propelled Compactor; Spreader-Chip-Stone; Scraper; Scraper-Prime Mover in Tandem regardless of size (add $1.00 to Group 2 hourly rate for each hour and for each machine attached thereto add $1.00 to Group 2 hourly rate for each hour); Tank Car Heater; Tractors, Push, pulling Sheeps Foot, Disc, or Compactor, etc; Tug Boats

GROUP 3: Boilers; Brooms, all power propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer,

two bag and over; Conveyor, Portable; Farm type Tractors used for mowing, seeding, etc; Fireman on Boilers; Forklift Trucks; Grouting Machines; Hoists, Automatic; Hoists, all Elevators; Hoists, Tugger single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-hole Digger; Power Saw, Concrete, Power Driven; Pug Mills; Rollers, other than asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with A-Frame; Work Boats; Tamper-Form motor driven

GROUP 4: Air compressor - Small 250 and under (1 to 5 not to exceed a total of 300 ft); Air Compressor - Large over 250; Combination - Small Equipment Operator; Directional Boring Machine; Generators - Small 50 kw and under; Generators - Large , over 50 kw; Heaters, Mechanical; Hydraulic power unit (Pile Driving, Extracting or Drilling); Light Plants (1 to 5); Pumps, over 3"" (1 to 3, not to exceed a total of 300 ft); Pumps, Well Points; Tractaire; Welding Machines (2 through 5); Winches, 4 small electric drill winches;

GROUP 5: Bobcats (All); Brick Forklifts; Oilers; Directional Boring

*Requires Oiler

---------- IRON0001-026 06/01/2024

	Rates	Fringes
IRONWORKER		
Sheeter	$ 59.51	45.10
Structural and Reinforcing	$ 59.26	45.10

---------- IRON0063-001 06/01/2024

	Rates	Fringes
IRONWORKER, ORNAMENTAL	$ 57.51	42.81

---------- IRON0063-002 06/01/2024

	Rates	Fringes
IRONWORKER		
Fence Erector	$ 51.00	32.81

---------- IRON0136-001 07/01/2024

	Rates	Fringes

IRONWORKER
Machinery Movers; Riggers;
Machinery Erectors.....$ 51.00 43.94
Master Riggers.....$ 53.50 43.94
---------- LABO0002-006 06/01/2022

	Rates	Fringes
LABORER (BUILDING & RESIDENTIAL)		
GROUP 1	$ 47.40	33.16
GROUP 2	$ 47.40	33.16
GROUP 3	$ 47.48	33.16
GROUP 4	$ 47.50	33.16
GROUP 5	$ 47.55	33.16
GROUP 6	$ 47.60	33.16
GROUP 7	$ 47.63	33.16
GROUP 8	$ 47.73	33.16
GROUP 9	$ 47.75	33.16
GROUP 10	$ 47.85	33.16
GROUP 11	$ 47.68	33.16
GROUP 12	$ 48.40	33.16

LABORER CLASSIFICATIONS

GROUP 1: Building Laborers; Plasterer Tenders; Pumps for Dewatering; and other unclassified laborers.

GROUP 2: Fireproofing and Fire Shop laborers.

GROUP 3: Cement Gun.

GROUP 4: Chimney over 40 ft.; Scaffold Laborers.

GROUP 5: Cement Gun Nozzle Laborers (Gunite); Windlass and capstan person.

GROUP 6: Stone Derrickmen & Handlers.

GROUP 7: Jackhammermen; Power driven concrete saws; and other power tools.

GROUP 8: Firebrick & Boiler Laborers.

GROUP 9: Chimney on fire brick; Caisson diggers; & Well Point System men.

GROUP 10: Boiler Setter Plastic Laborers.

GROUP 11: Jackhammermen on fire brick work only.

  GROUP 12: Dosimeter use (any device) monitoring nuclear exposure); Asbestos Abatement Laborer; Toxic and Hazardous Waste Removal Laborers.

---------- LABO0002-007 06/01/2022

	Rates	Fringes
LABORER (HEAVY & HIGHWAY)		
GROUP 1	$ 47.40	33.16
GROUP 2	$ 47.48	33.16
GROUP 3	$ 47.55	33.16
GROUP 4	$ 47.68	33.16
GROUP 5	$ 47.40	33.16

LABORER CLASSIFICATIONS

  GROUP 1: Common laborer; Tenders; Material expeditor (asphalt plant); Street paving, Grade separation, sidewalk, curb & gutter, strippers & All laborers not otherwise mentioned

GROUP 2: Asphalt tampers & smoothers; Cement gun laborers

GROUP 3: Cement Gun Nozzle (laborers), Gunite

  GROUP 4: Rakers, Lutemen; Machine-Screwmen; Kettlemen; Mixermen; Drun-men; Jackhammermen (asphalt); Paintmen; Mitre box spreaders; Laborers on birch, overman and similar spreader equipment; Laborers on APSCO; Laborers on air compressor; Paving Form Setter; Jackhammermen (concrete); Power drive concrete saws; other power tools.

  GROUP 5: Asbestos Abatement Laborers; Toxic and Hazardous Waste Removal Laborers, Dosimeter (any device) monitoring nuclear exposure

---------- LABO0002-008 06/01/2022

	Rates	Fringes
LABORER (Compressed Air)		
0 - 15 POUNDS	$ 48.40	33.16
16 - 20 POUNDS	$ 48.90	33.16
21 - 26 POUNDS	$ 49.40	33.16

27 - 33 POUNDS.....	$ 50.40	33.16
34 - AND OVER.....	$ 51.40	33.16
LABORER (Tunnel and Sewer)		
GROUP 1.....	$ 47.40	33.16
GROUP 2.....	$ 47.53	33.16
GROUP 3.....	$ 47.63	33.16
GROUP 4.....	$ 47.75	33.16
GROUP 5.....	$ 47.40	33.16

LABORER CLASSIFICATIONS (TUNNEL)

GROUP 1: Cage tenders; Dumpmen; Flagmen; Signalmen; Top laborers

GROUP 2: Air hoist operator; Key board operator; concrete laborer; Grout; Lock tenders (Free Air Side); Steel setters; Tuggers; Switchmen; Car pusher

GROUP 3: Concrete repairmen; Lock tenders (pressure side); Mortar men; Muckers; Grout machine operators; Track layers

GROUP 4: Air trac drill operator; Miner; Bricklayer tenders; Concrete blower operator; Drillers; Dynamiters; Erector operator; Form men; Jackhammermen; Powerpac; Mining machine operators; Mucking machine operator; Laser beam operator; Liner plate and ring setters; Shield drivers; Power knife operator; Welder- burners; Pipe jacking machine operator; skinners; Maintenance technician

GROUP 5: Asbestos abatement laborer; Toxic and hazardous waste removal laborer; Dosimeter (any device) monitoring nuclear exposure

LABORER CLASSIFICATIONS (SEWER)

GROUP 1: Signalmen; Top laborers and All other laborers

GROUP 2: Concrete laborers and Steel setters

GROUP 3: Cement carriers; Cement mixers; Concrete repairmen; Mortar men; Scaffold men; Second Bottom men

GROUP 4: Air trac drill operator; Bottom men; Bracers-bracing; Bricklayer tenders; Catch basin diggers; Drainlayers; dynamiters; Form men; Jackhammermen; Powerpac; Pipelayers; Rodders; Welder-burners; Well point systems men

GROUP 5: Asbestos abatement laborer, Toxic and hazardous waste removal laborer; Dosimeter (any device) monitoring nuclear exposure

---------- LABO0225-
001 06/01/2022

	Rates	Fringes
LABORER (DEMOLITION/WRECKING)		
GROUP 1	$ 42.40	33.16
GROUP 2	$ 47.40	33.16
GROUP 3	$ 47.40	33.16

LABORER CLASSIFICATIONS

GROUP 1 - Complete Demolition

GROUP 2 - Interior Wrecking and Strip Out Work

GROUP 3 - Asbestos Work with Complete Demolition/Wrecking or Strip Out Work

---------- PAIN0014-
001 06/01/2024

	Rates	Fringes
PAINTER (including taper)	$ 53.05	33.91

---------- PAIN0027-
001 06/01/2024

	Rates	Fringes
GLAZIER	$ 51.55	44.09

---------- PLAS0005-
002 07/01/2015

	Rates	Fringes
PLASTERER	$ 42.25	26.65

---------- PLAS0502-
001 06/01/2024

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 52.00	42.08

---------- PLUM0130-
001 06/01/2024

	Rates	Fringes
PLUMBER	$ 58.55	37.32

---------- PLUM0597-
002 06/01/2023

	Rates	Fringes
PIPEFITTER	$ 55.00	38.62

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* ROOF0011-001 12/01/2024

	Rates	Fringes
ROOFER	$ 50.25	30.43

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* SFIL0281-001 01/01/2025

	Rates	Fringes
SPRINKLER FITTER	$ 60.00	35.45

---------- SHEE0073-
001 06/01/2022

	Rates	Fringes
Sheet Metal Worker	$ 49.10	42.91

---------- SHEE0073-
002 06/08/2018

	Rates	Fringes
Sheet Metal Worker		
ALUMINUM GUTTER WORK	$ 31.32	37.02

---------- TEAM0731-
001 06/01/2024

COOK COUNTY - HEAVY AND HIGHWAY

	Rates	Fringes
TRUCK DRIVER		
2 or 3 Axles	$ 43.45	29.49
4 Axles	$ 43.70	29.49
5 Axles	$ 43.90	29.49
6 Axles	$ 44.10	29.49

FOOTNOTES:

A. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

B. 900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

C. An additional $.20 per axle shall be paid for all vehicles with more than six (6) axles.

Low-Boy is an additional $1.50 per hour
Health and Welfare: $448.80 per week
Pension: $562.80 per week

---------- TEAM0731-002 04/01/2023

	Rates	Fringes
Traffic Control Device Monitor TRAFFIC SAFETY WORKER: Primary duties include but are not limited to the delivery, maintenance and pick-up of traffic control devices, the set-up and installation of traffic signs, pavement markings, barricades, crash barrels and glare screens, traffic control surveillance, the repair and maintenance trucks, cars, arrow boards, message signs, barricade and sign fabrication equipment	$ 40.10	20.95

---------- TEAM0786-001 06/01/2024

COOK COUNTY - BUILDING AND RESIDENTIAL

	Rates	Fringes
TRUCK DRIVER		
2 & 3 Axles	$ 52.05	0.25+a
4 Axles	$ 52.31	0.25+a
5 Axles	$ 52.53	0.25+a
6 Axles	$ 52.74	0.25+a

FOOTNOTES:

a. An additional $.20 per axle shall be paid for all

vehicles with more than six (6) axles.

Low-Boy work classification is an additional $1.50 per hour.
Health and Welfare: $433.00 per week
Pension: $400 per week.

B. 900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at https://www.dol.gov/agencies/whd/government-contracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications

and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates

reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

a) a survey underlying a wage determination
b) an existing published wage determination
c) an initial WHD letter setting forth a position on a wage determination matter
d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION"

U.S. Department of Labor
Wage and Hour Division

PAYROLL

(For Contractor's Optional Use; See Instructions at www.dol.gov/whd/forms/wh347instr.htm)

Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number.

U.S. Wage and Hour Division

Rev. Dec. 2008

OMB No.:1235-0008
Expires: 07/31/2024

NAME OF CONTRACTOR OR SUBCONTRACTOR | ADDRESS

PAYROLL NO. | FOR WEEK ENDING | PROJECT AND LOCATION | PROJECT OR CONTRACT NO.

(1) NAME AND INDIVIDUAL IDENTIFYING NUMBER (e.g., LAST FOUR DIGITS OF SOCIAL SECURITY NUMBER) OF WORKER	(2) NO. OF WITHHOLDING EXEMPTIONS	(3) WORK CLASSIFICATION	CT. OR ST.	(4) DAY AND DATE HOURS WORKED EACH DAY	(5) TOTAL HOURS	(6) RATE OF PAY	(7) GROSS AMOUNT EARNED	(8) DEDUCTIONS FICA	WITH-HOLDING TAX			OTHER	TOTAL DEDUCTIONS	(9) NET WAGES PAID FOR WEEK
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While completion of Form WH-347 is optional, it is mandatory for covered contractors and subcontractors performing work on Federally financed or assisted construction contracts to respond to the information collection contained in 29 C.F.R. §§ 3.3, 5.5(a). The Copeland Act (40 U.S.C. § 3145) contractors and subcontractors performing work on Federally financed or assisted construction contracts to "furnish weekly a statement with respect to the wages paid each employee during the preceding week." U.S. Department of Labor (DOL) regulations at 29 C.F.R. § 5.5(a)(3)(ii) require contractors to submit weekly a copy of all payrolls to the Federal agency contracting for or financing the construction project, accompanied by a signed "Statement of Compliance" indicating that the payrolls are correct and complete and that each laborer or mechanic has been paid not less than the proper Davis-Bacon prevailing wage rate for the work performed. DOL and federal contracting agencies receiving this information review the information to determine that employees have received legally required wages and fringe benefits.

Public Burden Statement

We estimate that is will take an average of 55 minutes to complete this collection, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. If you have any comments regarding these estimates or any other aspect of this collection, including suggestions for reducing this burden, send them to the Administrator, Wage and Hour Division, U.S. Department of Labor, Room S3502, 200 Constitution Avenue, N.W., Washington, D.C. 20210

(over)

Date _____

I, _____ _____
(Name of Signatory Party) (Title)

do hereby state:

(1) That I pay or supervise the payment of the persons employed by

_____ on the
(Contractor or Subcontractor)

_____; that during the payroll period commencing on the
(Building or Work)

_____ day of_____, _____, and ending the_____day of_____, _____,

all persons employed on said project have been paid the full weekly wages earned, that no rebates have been or will be made either directly or indirectly to or on behalf of said

_____ from the full
(Contractor or Subcontractor)

weekly wages earned by any person and that no deductions have been made either directly or indirectly from the full wages earned by any person, other than permissible deductions as defined in Regulations, Part 3 (29 C.F.R. Subtitle A), issued by the Secretary of Labor under the Copeland Act, as amended (48 Stat. 948, 63 Stat. 108, 72 Stat. 967; 76 Stat. 357; 40 U.S.C. § 3145), and described below:

_____

_____

_____

_____

(2) That any payrolls otherwise under this contract required to be submitted for t he above period are correct and complete; that the wage rates for laborers or mechanics contained therein are not less than the applicable wage rates contained in any wage determination incorporated into the contract; that the classifications set forth therein for each laborer or mechanic conform with the work he performed.

(3) That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with a State apprenticeship agency recognized by the Bureau of Apprenticeship and Training, United States Department of Labor, or if no such recognized agency exists in a State, are registered with the Bureau of Apprenticeship and Training, United States Department of Labor.

(4) That:

(a) WHERE FRINGE BENEFITS ARE PAID TO APPROVED PLANS, FUNDS, OR PROGRAMS

– in addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above referenced payroll, payments of fringe benefits as listed in the contract have been or will be made to appropriate programs for the benefit of such employees, except as noted in section 4(c) below.

(b) WHERE FRINGE BENEFITS ARE PAID IN CASH

– Each laborer or mechanic listed in the above referenced payroll has been paid, as indicated on the payroll, an amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe benefits as listed in the contract, except as noted in section 4(c) below.

(c) EXCEPTIONS

EXCEPTION (CRAFT)	EXPLANATION

REMARKS:

NAME AND TITLE	SIGNATURE

THE WILLFUL FALSIFICATION OF ANY OF THE ABOVE STATEMENTS MAY SUBJECT THE CONTRACTOR OR SUBCONTRACTOR TO CIVIL OR CRIMINAL PROSECUTION. SEE SECTION 1001 OF TITLE 18 AND SECTION 3729 OF TITLE 31 OF THE UNITED STATES CODE.

Record of Employee Interview Instructions	U.S. Department of Housing and Urban Development Office of Davis-Bacon and Labor Standards	OMB Approval No. 2501-0009 (exp. 12/31/2024)

Instructions

General:

This form is to be used by HUD and local agency staff for recording information gathered during on-site interviews with laborers and mechanics employed on projects subject to Federal prevailing wage requirements. Typically, the staff that will conduct on-site interviews and use this form are HUD staff and fee construction inspectors, HUD Labor Standards staff, and local agency labor standards contract monitors.

Information recorded on the form HUD-11 is evaluated for general compliance and compared to certified payroll reports submitted by the respective employer. The comparison tests the veracity of the payroll reports and may be critical to the successful conclusion of enforcement actions in the event of labor standards violations. The thoroughness and accuracy of the information gathered during interviews is crucial.

Note that the interview itself and the information collected on the form HUD-11 are considered confidential. Interviews should be conducted individually and privately. All laborers and mechanics employed on the job site must be made available for interview at the interviewer's request. The employee's participation, however, is voluntary. Interviews shall be conducted in a manner and place that are conducive to the purposes of the interview and that cause the least inconvenience to the employer(s) and the employee(s).

Completing the form HUD-11:

Items 1a - 1c: Self-explanatory

Items 2a – 2d: Enter the employee's full name, a telephone number where the employee can be reached, and the employee's home address. Many construction workers use a temporary address in the locality of the project and have a more permanent address elsewhere from which mail may be forwarded to them. Obtain a more permanent address, if available. Ask the employee for a form of identification (e.g., driver's license) to verify their name.

Items 3a – 4c: Enter the employee's responses. Ask the employee whether they have a pay stub with them; if so, determine whether the pay stub is consistent with the information provided by the employee.

Items 5 – 7: Be certain that the employee's responses are specific. For example, job classification (#5) must identify the trade involved (e.g., Carpenter, Electrician, Plumber) – responses such as "journeyman" or "mechanic" are not helpful for our purposes.

Items 8 – 12b: Self-explanatory

Items 13 – 15c: These items represent some of the most important information that can be gathered while conducting on-site interviews. Please be specific about the duties you observed the employee performing. It may be easiest to make these observations before initiating the interview. Please record any comments or remarks that may be helpful. For example, if the employee interviewed was working with a crew, how many workers were in the crew? Was the employee evasive?

The level of specificity that is warranted is directly related to the extent to which interview(s) or other observations indicate that there may be violations present. If interviews indicate that there may be underpayments involving a particular trade(s), the interviewer is encouraged to interview as many workers in that trade(s) that are available.

Items 16 – 17b: The information on the form HUD-11 may be reviewed for general compliance, initially. For example, are the job classification and wage rate stated by the employee compatible with the classifications and wage rates on the applicable wage decision? Are the duties observed by the interviewer consistent with the job classification?

Item 18: Please place here any additional information you may want to document or continuing information from other lines that do not fit in their block space.

Once the corresponding certified payroll reports are received, the information on the HUD-11 shall be compared to the payroll reports. Any discrepancies noted between the HUD-11 information and that on the payroll report shall be noted in Item 16, Remarks. If discrepancies are noted, follow-up actions to resolve the discrepancies must be taken.

Record of Employee Interview

U.S. Department of Housing and Urban Development
Office of Davis-Bacon and Labor Standards

OMB Approval No. 2501-0009 (exp. 12/31/2024)

The public reporting burden estimate for this collection of information is 15 minutes per response on average. This includes reviewing instructions, searching existing data sources, gathering, and maintaining the data, and completing the collection of information. This information may not be collected, nor are you required to provide, the information requested unless it displays a currently valid OMB control number. The information collected ensures compliance with the Federal labor standards through recording interviews with construction workers. The information collected assists HUD in compliance monitoring of Federal labor standards. Any information collected is covered by the Privacy Act of 1974 and by 29 CFR 5.6(a)(5). Individuals and agencies collecting this information must maintain these records in a manner that protects the individuals on whom the information is maintained. The information collected herein is voluntary, and any information provided shall be kept confidential, but failure to provide the information collected may delay enforcement of any possible Federal labor standards violations if the information would have identified any. Comments concerning this burden statement, or this collection should be sent to: National Director, Office of Davis-Bacon and Labor Standards, 451 7th Street SW, Room 7108, Washington, DC 20410. When providing comments, please refer to OMB Approval 2501-0009

Pursuant to 5 U.S.C. § 552a(e)(3), this Privacy Act Statement serves to inform you of the following concerning the collection of the information on this form.

A. **AUTHORITY:** Collection of the information solicited on this form is authorized by the Davis-Bacon Act as promulgated through Department of Labor Regulations under 29 CFR Part 5.

B. **PURPOSE:** The primary purpose for soliciting this information is to determine if the wages paid by an employer on a project covered by the Davis-Bacon Act are in compliance with federal labor standards.

C. **ROUTINE USES:** The information collected ensures compliance with the Federal labor standards through recording interviews with construction workers on topics related to wages paid on the project. The information is reviewed by HUD authorized personnel to ensure compliance with Federal labor standards under the Davis-Bacon Act on covered projects. If violations are found, the information collected is used to conduct enforcement actions to ensure restitution is paid to workers of covered projects are paid proper wages under the Davis-Bacon Act.

D. **CONSEQUENCES OF FAILURE TO PROVIDE INFORMATION:** The information collection is voluntary. Refusing to give information will not impact your status with your employer or the government. Failure to provide the information will limit the ability of HUD to determine if you were paid proper wages under the Davis-Bacon Act, and will limit the ability for HUD to seek restitution for you in the event a violation is found.

1a. Project Name			2a. Employee Name		
1b. Project Number			2b. Employee Phone Number (including area code)		
1c. Contractor or Subcontractor (Employer)			2c. Employee Home Address & Zip Code		
			2d. Verification of identification? Yes No		
3a. How long on this job?	3b. Last date on this job before today?	3c. No. of hours last day on this job?	4a. Hourly rate of pay?	4b. Fringe Benefits? Vacation Yes No; Medical Yes No; Pension Yes No	4c. Pay stub? Yes No
5. Your job classification(s) (list all) --- continue in block 18 if necessary					
6. Your duties --- continue in block 18 if necessary					
7. Tools or equipment used --- continue in block 18 if necessary					
8. Are you an apprentice or trainee? Yes No			10. Are you paid at least time and ½ for all hours worked in excess of 40 in a week? Yes No		
9. Are you paid for all hours worked? Yes No			11. Have you ever been threatened or coerced into giving up any part of your pay? Yes No		
12a. Employee Signature			12b. Date		
13. Duties observed by the Interviewer (Please be specific.)					
14. Remarks --- continue in block 18 if necessary					
15a. Interviewer Name (Please Print)	15b. Signature of Interviewer		15c. Date of Interview		

Payroll Examination

16. Remarks --- continue in block 18 if necessary	
17a. Signature of Payroll Examiner	17b. Date

CONFIDENTIAL

18. Additional Remarks

CONFIDENTIAL

Contract and Subcontract Activity

U.S. Department of Housing and Urban Development

OMB Approval No.: 2535-0117 (exp. 1/31/2013)

Public Reporting Burden for this collection of information is estimated to average .50 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is voluntary. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB Control Number.

Executive Order 12421 dated July 14, 1983, directs the Minority Business Development Plans shall be developed by each Federal Agency and that these annual plans shall establish minority business development objectives. The information is used by HUD to monitor and evaluate MBE activities against the total program activity and the designated minority business enterprise (MBE) goals. The Department requires the information to provide guidance and oversight for programs for the development of minority business enterprise concerning Minority Business Development. If the information is not collected HUD would not be able to establish meaningful MBE goals nor evaluate MBE performance against these goals.
While no assurances of confidentiality is pledged to respondents, HUD generally discloses this data only in response to a Freedom of Information request.

Privacy Act Notice - The United States Department of Housing and Urban Development, Federal Housing Administration, is authorized to solicit the information requested in this form by virtue of Title 12, United States Code, Section 1701 et seq., and regulations promulgated thereunder at Title 12, Code of Federal Regulations. It will not be disclosed or released outside the United States Department of Housing and Urban Development without your consent, except as required or permitted by law.

1. Grantee/Project Owner/Developer/Sponsor/Builder/Agency	Check if: PHA ☐ IHA ☐	2. Location (City, State, ZIP Code)
3a. Name of Contact Person	3b. Phone Number (Including Area Code)	4. Reporting Period ☐ Oct. 1 - Sept. 30 (Annual-FY)
5. Program Code (Not applicable for CPD programs.) See explanation of codes at bottom of page. Use a separate sheet for each program code.		6. Date Submitted to Field Office

Grant/Project Number or HUD Case Number or other identification of property, subdivision, dwelling unit, etc. 7a.	Amount of Contract or Subcontract 7b.	Type of Trade Code (See below) 7c.	Contractor or Subcontractor Business Racial/Ethnic Code (See below) 7d.	Woman Owned Business (Yes or No) 7e.	Prime Contractor Identification (ID) Number 7f.	Sec. 3 7g.	Subcontractor Identification (ID) Number 7h.	Sec. 3 7i.	Contractor/Subcontractor Name and Address 7j. Name	Street	City	State	Zip Code

CPD:
1 = New Construction
2 = Education/Training
3 = Other

7c: Type of Trade Codes:
Housing/Public Housing:
1 = New Construction
2 = Substantial Rehab.
3 = Repair
4 = Service
5 = Project Mangt.
6 = Professional
7 = Tenant Services
8 = Education/Training
9 = Arch./Engrg. Appraisal
0 = Other

7d: Racial/Ethnic Codes:
1 = White Americans
2 = Black Americans
3 = Native Americans
4 = Hispanic Americans
5 = Asian/Pacific Americans
6 = Hasidic Jews

5: Program Codes (Complete for Housing and Public and Indian Housing programs only):
1 = All insured, including Section 8
2 = Flexible Subsidy
3 = Section 8 Noninsured, Non-HFDA
4 = Insured (Management
5 = Section 202
6 = HUD-Held (Management)
7 = Public/Indian Housing

Previous editions are obsolete.

This report is to be completed by grantees, developers, sponsors, builders, agencies, and/or project owners for reporting contract and subcontract activities of $10,000 or more under the following programs: Community Development Block Grants (entitlement and small cities); Urban Development Action Grants; Housing Development Grants; Multifamily Insured and Noninsured; Public and Indian Housing Authorities; and contracts entered into by recipients of CDBG rehabilitation assistance.

Contracts/subcontracts of less than $10,000 need be reported only if such contracts represent a significant portion of your total contracting activity. Include only contracts executed during this reporting period.

This form has been modified to capture Section 3 contract data in columns 7g and 7i. Section 3 requires that the employment and other economic opportunities generated by HUD financial assistance for housing and community development programs shall, to the greatest extent feasible, be directed toward low- and very low-income persons, particularly those who are recipients of government assistance for housing. Recipients using this form to report Section 3 contract data must also use Part I of form HUD-60002 to report employment and training opportunities data. Form HUD-2516 is to be completed for public and Indian housing and most community development programs. Form HUD-60002 is to be completed by all other HUD programs including State administered community development programs covered under Section 3.

A Section 3 contractor/subcontractor is a business concern that provides economic opportunities to low- and very low-income residents of the metropolitan area (or nonmetropolitan county), including a business concern that is 51 percent or more owned by low- or very low-income residents; employs a substantial number of low- or very low-income residents; or provides subcontracting or business development opportunities to businesses owned by low- or very low-income residents. Low- and very low-income residents include participants in Youthbuild programs established under Subtitle D of Title IV of the Cranston-Gonzalez National Affordable Housing Act.

The terms “low-income persons” and “very low-income persons” have the same meanings given the terms in section 3(b)(2) of the United States Housing Act of 1937. Low-income persons mean families (including single persons) whose incomes do not exceed 80 per centum of the median income for the area, as determined by the Secretary, with adjustments for smaller and larger families, except that the Secretary may establish income ceilings higher or lower than 80 per centum of the median for the area on the basis of the Secretary’s findings that such variations are necessary because of prevailing levels of construction costs or unusually high or low-income families. Very low-income persons means low-income families (including single persons) whose incomes do not exceed 50 per centum of the median family income for the area, as determined by the Secretary with adjustments for smaller and larger families, except that the Secretary may establish income ceilings higher or lower than 50 per centum of the median for the area on the basis of the Secretary’s findings that such variations are necessary because of unusually high or low family incomes.

Submit two (2) copies of this report to your local HUD Office within ten (10) days after the end of the reporting period you checked in item 4 on the front.

Complete item 7h. only once for each contractor/subcontractor on each semi-annual report.

Enter the prime contractor's ID in item 7f. for all contracts and subcontracts. Include only contracts executed during this reporting period. PHAs/IHAs are to report all contracts/subcontracts.

Community Development Programs

1. Grantee: Enter the name of the unit of government submitting this report.

3. Contact Person: Enter name and phone of person responsible for maintaining and submitting contract/subcontract data.

7a. Grant Number: Enter the HUD Community Development Block Grant Identification Number (with dashes). For example: B-32-MC-25-0034. For Entitlement Programs and Small City multi-year comprehensive programs, enter the latest approved grant number.

7b. Amount of Contract/Subcontract: Enter the dollar amount rounded to the nearest dollar. If subcontractor ID number is provided in 7f, the dollar figure would be for the subcontract only and not for the prime contract.

7c. Type of Trade: Enter the numeric codes which best indicates the contractor's/subcontractor's service. If subcontractor ID number is provided in 7f., the type of trade code would be for the subcontractor only and not for the prime contractor. The "other" category includes supply, professional services and all other activities except construction and education/training activities.

7d. Business Racial/Ethnic/Gender Code: Enter the numeric code which indicates the racial/ethnic /gender character of the owner(s) and controller(s) of 51% of the business. When 51% or more is not owned and controlled by any single racial/ethnic/gender category, enter the code which seems most appropriate. If the subcontractor ID number is provided, the code would apply to the subcontractor and not to the prime contractor.

7e. Woman Owned Business: Enter Yes or No.

7f. Contractor Identification (ID) Number: Enter the Employer (IRS) Number of the Prime Contractor as the unique identifier for prime recipient of HUD funds. Note that the Employer (IRS) Number must be provided for each contract/subcontract awarded.

7g. Section 3 Contractor: Enter Yes or No.

7h. Subcontractor Identification (ID) Number: Enter the Employer (IRS) Number of the subcontractor as the unique identifier for each subcontract awarded from HUD funds. When the subcontractor ID Number is provided, the respective Prime Contractor ID Number must also be provided.

7i. Section 3 Contractor: Enter Yes or No.

Previous editions are obsolete.

firm receiving contract/subcontract activity only one time on each report for each firm.

Multifamily Housing Programs

1. Grantee/Project Owner: Enter the name of the unit of government, agency or mortgagor entity submitting this report.

3. Contact Person: Same as item 3 under CPD Programs.

4. Reporting Period: Check only one period.

5. Program Code: Enter the appropriate program code.

7a. Grant/Project Number: Enter the HUD Project Number or Housing Development Grant or number assigned.

7b. Amount of Contract/Subcontract: Same as item 7b. under CPD Programs.

7c. Type of Trade: Same as item 7c. under CPD Programs.

7d. Business Racial/Ethnic/Gender Code: Same as item 7d. under CPD Programs.

7e. Woman Owned Business: Enter Yes or No.

7f. Contractor Identification (ID) Number: Same as item 7f. under CPD Programs.

7g. Section 3 Contractor: Enter Yes or No.

7h. Subcontractor Identification (ID) Number: Same as item 7h. under CPD Programs.

7i. Section 3 Contractor: Enter Yes or No.

7j. Contractor/Subcontractor Name and Address: Same as item 7j. under CPD Programs.

Public Housing and Indian Housing Programs

PHAs/IHAs are to report all contracts/subcontracts. Include only contracts executed during this reporting period.

1. Project Owner: Enter the name of the unit of government, agency or mortgagor entity submitting this report. Check box as appropriate.

3. Contact Person: Same as item 3 under CPD Programs.

4. Reporting Period: Check only one period.

5. Program Code: Enter the appropriate program code.

7a. Grant/Project Number: Enter the HUD Project Number or Housing Development Grant or number assigned.

7b. Amount of Contract/Subcontract: Same as item 7b. under CPD Programs.

7c. Type of Trade: Same as item 7c. under CPD Programs.

7d. Business Racial/Ethnic/Gender Code: Same as item 7d. under CPD Programs.

7e. Woman Owned Business: Enter Yes or No.

7f. Contractor Identification (ID) Number: Same as item 7f. under CPD Programs.

7g. Section 3 Contractor: Enter Yes or No.

7h. Subcontractor Identification (ID) Number: Same as item 7h. under CPD Programs.

7i. Section 3 Contractor: Enter Yes or No.

7j. Contractor/Subcontractor Name and Address: Same as item 7j. under CPD Programs.

7j. Contractor/Subcontractor Name and Address: Enter this information for each

CDBG/HUD FUNDING POSTERS

EMPLOYEE RIGHTS

UNDER THE DAVIS-BACONACT

FOR LABORERS AND MECHANICS EMPLOYED ON FEDERAL OR FEDERALLY ASSISTED CONSTRUCTION PROJECTS

PREVAILING WAGES

You must be paid not less than the wage rate listed in the Davis-Bacon Wage Decision posted with this Notice for the work you perform.

OVERTIME

You must be paid not less than one and one-half times your basic rate of pay for all hours worked over 40 in a work week. There are few exceptions.

ENFORCEMENT

Contract payments can be withheld to ensure workers receive wages and overtime pay due, and liquidated damages may apply if overtime pay requirements are not met. Davis-Bacon contract clauses allow contract termination and debarment of contractors from future federal contracts for up to three years. A contractor who falsifies certified payroll records or induces wage kickbacks may be subject to civil or criminal prosecution, fines and/or imprisonment.

APPRENTICES

Apprentice rates apply only to apprentices properly registered under approved Federal or State apprenticeship programs.

PROPER PAY

If you do not receive proper pay, or require further information on the applicable wages, contact the Contracting Officer listed below:

VILLAGE OF ARLINGTON HEIGHTS
33 S Arlington Heights Rd
Arlington Heights, IL 60005

Nora Boyer, Housing Planner (847) 368-5214 or nboyer@vah.com

or contact the U.S. Department of Labor's Wage and Hour Division.

U.S. Department of Labor

OSHA®
Occupational Safety and Health Administration

Job Safety and Health
IT'S THE LAW!

All workers have the right to:

- A safe workplace.
- Raise a safety or health concern with your employer or OSHA, or report a work-related injury or illness, without being retaliated against.
- Receive information and training on job hazards, including all hazardous substances in your workplace.
- Request a confidential OSHA inspection of your workplace if you believe there are unsafe or unhealthy conditions. You have the right to have a representative contact OSHA on your behalf.
- Participate (or have your representative participate) in an OSHA inspection and speak in private to the inspector.
- File a complaint with OSHA within 30 days (by phone, online or by mail) if you have been retaliated against for using yourrights.
- See any OSHA citations issued to your employer.
- Request copies of your medical records, tests that measure hazards in the workplace, and the workplace injury and illness log.

This poster is available free from OSHA.

Employers must:

- Provide employees a workplace free from recognized hazards. It is illegal to retaliate against an employee for using any of their rights under the law, including raising a health and safety concern with you or with OSHA, or reporting a work-related injury or illness.
- Comply with all applicable OSHA standards.
- Notify OSHA within 8 hours of a workplace fatality or within 24 hours of any work-related inpatient hospitalization, amputation, or loss of an eye.
- Provide required training to all workers in a language and vocabulary they can understand.
- Prominently display this poster in the workplace.
- Post OSHA citations at or near the place of the alleged violations.

On-Site Consultation services are available to small and medium-sized employers, without citation or penalty, through OSHA-supported consultation programs in every state.

Contact OSHA. We can help.

1-800-321-OSHA (6742) • TTY 1-877-889-5627 • www.osha.gov

OSHA 3165-04R 2019

Departamento de Trabajo de los EE. UU.

OSHA®
Administración de Seguridad y Salud Ocupacional

Seguridad y Salud en el Trabajo ¡ES LA LEY!

Todos los trabajadores tienen el derecho a:

- Un lugar de trabajo seguro.
- Decir algo a su empleador o la OSHA sobre preocupaciones de seguridad o salud, o reportar una lesión o enfermedad en el trabajo, sin sufrir represalias.
- Recibir información y entrenamiento sobre los peligros del trabajo, incluyendo sustancias toxicas en su sitio de trabajo.
- Pedir una inspección confidencial de OSHA de su lugar de trabajo si usted cree que hay condiciones inseguras o insalubres. Usted tiene el derecho a que un representante se comunique con OSHA en su nombre.
- Participar (o su representante puede participar) en la inspección de OSHA y hablar en privado con el inspector.
- Presentar una queja con la OSHA dentro de 30 días (por teléfono, por internet, o por correo) si usted ha sufrido represalias por ejercer sus derechos.
- Ver cualquieras citaciones de la OSHA emitidas a su empleador.
- Pedir copias de sus registros médicos, pruebas que miden los peligros en el trabajo, y registros de lesiones y enfermedades relacionadas con el trabajo.

Este cartel está disponible de la OSHA para gratis.

Los empleadores deben:

- Proveer a los trabajadores un lugar de trabajo libre de peligros reconocidos. Es ilegal discriminar contra un empleado quien ha ejercido sus derechos bajo la ley, incluyendo hablando sobre preocupaciones de seguridad o salud a usted o con la OSHA, o por reportar una lesión o enfermedad relacionada con el trabajo.
- Cumplir con todas las normas aplicables de la OSHA.
- Notificar a la OSHA dentro de 8 horas de una fatalidad laboral o dentro de 24 horas de cualquier hospitalización, amputación, o pérdida de ojo relacionado con el trabajo.
- Proporcionar el entrenamiento requerido a todos los trabajadores en un idioma y vocabulario que pueden entender.
- Mostrar claramente este cartel en el lugar de trabajo.
- Mostrar las citaciones de la OSHA acerca del lugar de la violación alegada.

Servicios de consulta en el lugar de trabajo están disponibles para empleadores de tamaño pequeño y mediano sin citación o multa, a través de los programas de consulta apoyados por la OSHA en cada estado.

Llame OSHA. Podemos ayudar.

1-800-321-OSHA (6742) • TTY 1-877-889-5627 • www.osha.gov

OSHA 3167-04R 2019
It' s the Law !

Equal Employment Opportunityis

THE LAW

Private Employers, State and Local Governments, Educational Institutions, Employment Agencies and Labor Organizations

Applicants to and employees of most private employers, state and local governments, educational institutions, employmentagenciesandlabor organizations areprotectedunder Federallaw from discrimination onthe followingbases:

RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN

Title VII of the Civil Rights Act of 1964, as amended, protects applicants and employees from discrimination in hiring, promotion, discharge, pay, fringe benefits, job training, classification, referral, and other aspects of employment, on the basis of race, color, religion, sex (including pregnancy), or national origin. Religious discrimination includes failing to reasonably accommodate an employee's religious practices where the accommodation does not impose undue hardship.

DISABILITY

Title I and Title V of the Americans with Disabilities Act of 1990, as amended, protect qualifiedindividuals from discrimination onthe basis of disability in hiring, promotion, discharge, pay, fringe benefits, jobtraining, classification, referral, and other aspectsof employment.Disabilitydiscriminationincludesnotmakingreasonable accommodation to the known physical or mental limitations of an otherwise qualified individual with a disabilitywhois an applicant or employee, barring undue hardship.

AGE

The Age Discrimination in Employment Act of 1967, as amended, protects applicantsand employees 40 years of age or older from discrimination based on age in hiring, promotion, discharge, pay, fringe benefits, job training, classification, referral, and other aspects of employment.

SEX (WAGES)

In addition to sex discrimination prohibited by Title VII of the Civil Rights Act, as amended, the Equal Pay Act of 1963, as amended, prohibits sex discrimination in the paymentofwages to women and menperforming substantiallyequal work, injobsthatrequireequalskill, effort, andresponsibility, undersimilarworking conditions, in the sameestablishment.

GENETICS

Title II of the Genetic Information Nondiscrimination Act of 2008 protectsapplicants and employees from discrimination based on genetic information in hiring, promotion, discharge, pay, fringe benefits, jobtraining, classification, referral, and other aspects of employment. GINA also restricts employers' acquisition of genetic informationandstrictlylimitsdisclosure of geneticinformation.Geneticinformation includes information about genetic tests of applicants, employees, or their family members; the manifestation ofdiseases or disorders infamilymembers(family medicalhistory); andrequests for or receipt of genetic services by applicants, employees, or their family members.

RETALIATION

All of these Federal laws prohibit covered entities from retaliating against a person who files a charge of discrimination, participates in a discrimination proceeding, or otherwise opposes an unlawful employment practice.

WHAT TO DO IF YOU BELIEVE DISCRIMINATION HAS OCCURRED

There are strict time limits for filing charges of employment discrimination. To preserve the ability of EEOC to act on your behalf and to protect your right to file a private lawsuit, should you ultimately need to, you should contact EEOC promptly when discrimination is suspected:

The U.S. Equal Employment Opportunity Commission (EEOC), 1-800-669-4000 (toll-free) or 1-800-669-6820 (toll-free TTY number for individuals with hearing impairments). EEOCfield officeinformation isavailableatwww.eeoc.govor in most telephone directories in the U.S. Government or Federal Government section. Additional information about EEOC, including information about charge filing, is available atwww.eeoc.gov.

Employers Holding Federal Contracts or Subcontracts

Applicants to and employees of companies with a Federal government contract or subcontract are protected under Federal law from discrimination on the following bases:

RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN

Executive Order 11246, as amended, prohibits job discrimination on the basis of race, color, religion, sex or national origin, and requires affirmative action to ensure equality of opportunity in all aspects of employment.

INDIVIDUALS WITH DISABILITIES

Section 503 of the Rehabilitation Act of 1973, as amended, protects qualified individuals from discrimination on the basis of disability in hiring, promotion, discharge, pay, fringe benefits, job training, classification, referral, and other aspects of employment. Disability discrimination includes not making reasonable accommodation to the known physical or mental limitations of an otherwise qualified individual with a disability who is an applicant or employee, barring undue hardship. Section 503 also requires that Federal contractors take affirmative action to employ and advance in employment qualified individuals with disabilities at all levels of employment, including the executive level.

DISABLED, RECENTLY SEPARATED, OTHER PROTECTED, AND ARMED FORCES SERVICE MEDAL VETERANS

The Vietnam Era Veterans' Readjustment Assistance Act of 1974, as amended, 38 U.S.C. 4212, prohibits job discrimination and requires affirmative action to employ and advance in employment disabled veterans, recently separated veterans (within three years of discharge or release from active duty), other protected veterans (veterans who served during a war or in a campaign or expedition for which a campaign badge has been authorized), and Armed Forces service medal veterans (veterans who, while on active duty, participated in a U.S. military operation for which an Armed Forces service medal was awarded).

RETALIATION

Retaliation is prohibited against a person who files a complaint of discrimination, participates in an OFCCP proceeding, or otherwise opposes discrimination under these Federal laws.

Any person who believes a contractor has violated its nondiscrimination or affirmative action obligations under the authorities above should contact immediately:

The Office of Federal Contract Compliance Programs (OFCCP), U.S. Department of Labor, 200 Constitution Avenue, N.W., Washington, D.C. 20210, 1-800-397-6251 (toll-free) or (202) 693-1337 (TTY). OFCCP may also be contacted by e-mail at OFCCP-Public@dol.gov, or by calling an OFCCP regional or district office, listed in most telephone directories under U.S. Government, Department of Labor.

Programs or Activities Receiving Federal Financial Assistance

RACE, COLOR, NATIONAL ORIGIN, SEX

In addition to the protections of Title VII of the Civil Rights Act of 1964, as amended, Title VI of the Civil Rights Act of 1964, as amended, prohibits discrimination on the basis of race, color or national origin in programs or activities receiving Federal financial assistance. Employment discrimination is covered by Title VI if the primary objective of the financial assistance is provision of employment, or where employment discrimination causes or may cause discrimination in providing services under such programs. Title IX of the Education Amendments of 1972 prohibits employment discrimination on the basis of sex in educational programs or activities which receive Federal financial assistance.

INDIVIDUALS WITH DISABILITIES

Section 504 of the Rehabilitation Act of 1973, as amended, prohibits employment discrimination on the basis of disability in any program or activity which receives Federal financial assistance. Discrimination is prohibited in all aspects of employment against persons with disabilities who, with or without reasonable accommodation, can perform the essential functions of the job.

If you believe you have been discriminated against in a program of any institution which receives Federal financial assistance, you should immediately contact the Federal agency providing such assistance.

La igualdad de oportunidades de empleo es

LA LEY

Empleadores privados, gobiernos locales y estatales, instituciones educativas, agencias de empleo y organizaciones de trabajo

Los postulantes y empleados de la mayoría de los empleadores privados, los gobiernos locales y estatales, las instituciones educativas, las agencias de empleo y las organizaciones de trabajo están protegidos por la ley federal contra la discriminación en función de:

RAZA, COLOR, RELIGIÓN, SEXO, PROCEDENCIA

El Título VII de la Ley de Derechos Civiles (Civil Rights Act) de 1964, con sus modificaciones, protege a los postulantes y a los empleados contra la discriminación en lo que respecta a la contratación, los ascensos, los despidos, los pagos, las compensaciones adicionales, la capacitación laboral, la clasificación, las referencias y los demás aspectos del empleo, en función de raza, color, religión, sexo (incluidas las embarazadas) o procedencia. La discriminación religiosa se refiere a la falta de adaptación razonable a las prácticas religiosas de un empleado, siempre y cuando dicha adaptación no provoque una dificultad económica desmedida para la compañía.

DISCAPACIDAD

Los Títulos I y V de la Ley de Estadounidenses con Discapacidades (Americans with Disabilities Act) de 1990, con sus modificaciones, protege a las personas idóneas contra la discriminación por discapacidad en lo que respecta a la contratación, los ascensos, los despidos, los pagos, las compensaciones adicionales, la capacitación laboral, la clasificación, las referencias y los demás aspectos del empleo. La discriminación por discapacidad se refiere a la falta de adaptaciones razonables para las limitaciones físicas o mentales de una persona idónea que tiene una discapacidad y que es un postulante o un empleado, salvo que dichas adaptaciones provoquen una dificultad económica desmedida para la compañía.

EDAD

La Ley contra la Discriminación Laboral por Edad (Age Discrimination in Employment Act) de 1967, con sus modificaciones, protege a los postulantes y empleados de 40 años o más contra la discriminación por cuestiones de edad en lo que respecta a la contratación, los ascensos, los despidos, los pagos, las compensaciones adicionales, la capacitación laboral, la clasificación, las referencias y los demás aspectos del empleo.

SEXO (SALARIOS)

Además de lo establecido en el Título VII de la Ley de Derechos Civiles, con sus modificaciones, la Ley de Igualdad en las Remuneraciones (Equal Pay Act) de 1963, con sus modificaciones, también prohíbe la discriminación sexual en el pago de los salarios a las mujeres y los hombres que realicen básicamente el mismo trabajo, en empleos que requieran las mismas habilidades, esfuerzo y responsabilidad, en condiciones laborales similares, en el mismo establecimiento.

GENÉTICA

El Título II de la Ley de No Discriminación por Información Genética (Genetic Information Nondiscrimination Act, GINA) de 2008 protege a los postulantes y empleados contra la discriminación basada en la información genética en lo que respecta a la contratación, los ascensos, los despidos, los pagos, las compensaciones adicionales, la capacitación laboral, la clasificación, las referencias y los demás aspectos del empleo. La GINA también limita la adquisición de información genética por parte de los empleadores y condiciona de manera estricta su divulgación. La información genética incluye las pruebas genéticas de los postulantes, empleados o integrantes de sus familias, la manifestación de enfermedades o trastornos de los miembros de la familia (historia médica familiar) y las solicitudes o la recepción de servicios genéticos por parte de los postulantes, empleados o integrantes de sus familias.

REPRESALIAS

Todas estas leyes federales prohíben a las entidades cubiertas que tomen represalias en contra de una persona que presenta una cargo por discriminación, participa en un procedimiento por discriminación o que, de algún otro modo, se opone a una práctica laboral ilícita.

QUÉ DEBE HACER SI CONSIDERA QUE ES VÍCTIMA DE LA DISCRIMINACIÓN

Existen plazos estrictos para presentar cargos por discriminación laboral. A fin de preservar la capacidad de la Comisión para la Igualdad de Oportunidades en el Empleo (Equal Employment Opportunity Commission, EEOC) de actuar en representación suya y proteger su derecho a iniciar una demanda privada si fuese necesario en última instancia, debe comunicarse con la EEOC apenas sospeche que se produjo un hecho de discriminación: Comisión para la Igualdad de Oportunidades en el Empleo de los Estados Unidos, 1-800-669-4000 (línea gratuita) o 1-800-669-6820 (línea gratuita TTY para las personas con problemas auditivos). Puede encontrar información sobre las sucursales de la EEOC en www.eeoc.gov o en la mayoría de las guías telefónicas en la sección Gobierno Federal o Gobierno de los Estados Unidos. También puede obtener información adicional sobre la EEOC, incluso cómo presentar un cargo, en www.eeoc.gov.

Empleadores que tengan contratos o subcontratos con el gobierno federal

Los postulantes y empleados de las compañías que tengan un contrato o subcontrato con el gobierno federal están protegidos por la ley federal contra la discriminación en función de:

RAZA, COLOR, RELIGIÓN, SEXO, PROCEDENCIA

El Decreto Ejecutivo 11246, con sus modificaciones, prohíbe la discriminación en el trabajo en función de raza, color, religión, sexo o procedencia y exige que se implementen acciones afirmativas para garantizar la igualdad de oportunidades en todos los aspectos laborales.

PERSONAS CON DISCAPACIDADES

La Sección 503 de la Ley de Rehabilitación *(Rehabilitation Act)* de 1973, con sus modificaciones, protege a las personas idóneas contra la discriminación por discapacidad en lo que respecta a la contratación, los ascensos, los despidos, los pagos, las compensaciones adicionales, la capacitación laboral, la clasificación, las referencias y los demás aspectos del empleo. La discriminación por discapacidad se refiere a la falta de adaptaciones razonables para las limitaciones físicas o mentales de una persona idónea que tiene una discapacidad y que es un postulante o un empleado, salvo que dichas adaptaciones provoquen una dificultad económica desmedida para la compañía. La Sección 503 también exige que los contratistas federales implementen acciones afirmativas para emplear y avanzar en el empleo de personas idóneas con discapacidades en todos los niveles laborales, incluido el nivel ejecutivo.

VETERANOS DISCAPACITADOS, RECIÉN RETIRADOS, BAJO PROTECCIÓN Y CON MEDALLA POR SERVICIO A LAS FUERZAS ARMADAS

La Ley de Asistencia a la Readaptación de Veteranos de Vietnam *(Vietnam Era Veterans' Readjustment Assistance Act)* de 1974, con sus modificaciones, 38 U.S.C. 4212, prohíbe la discriminación laboral y exige que se implementen acciones afirmativas para emplear y avanzar en el empleo de los veteranos discapacitados, recién retirados (en el plazo de los tres años posteriores a la baja o al cese del servicio activo), otros veteranos bajo protección (los veteranos que prestaron servicio durante una guerra o en una campaña o expedición para la cual se les autorizó una insignia de campaña) y los veteranos con medalla por servicio a las Fuerzas Armadas (aquellos que durante el servicio activo, participaron en una operación militar de los Estados Unidos por la cual se los reconoció con una medalla por servicio a las Fuerzas Armadas).

REPRESALIAS

Quedan prohibidas las represalias contra una persona que presenta una demanda por discriminación, participa en un procedimiento de la Oficina de Programas de Cumplimiento de Contratos Federales (*Office of Federal Contract Compliance Programs*, OFCCP) o que se oponga, de algún otro modo, a la discriminación según estas leyes federales.

Toda persona que considere que un contratista violó sus obligaciones de acción afirmativa o no discriminación según las autoridades mencionadas anteriormente debe comunicarse de inmediato con:

La Oficina de Programas de Cumplimiento de Contratos Federales (OFCCP), Departamento de Trabajo de los Estados Unidos, 200 Constitution Avenue, N.W., Washington, D.C. 20210, teléfono 1-800-397-6251 (línea gratuita) o (202) 693-1337 (línea TTY). También puede enviar un mensaje de correo electrónico a la OFCCP (OFCCP-Public@dol.gov) o bien, llamar a una de sus oficinas regionales o del distrito, las cuales aparecen en la mayoría de las guías telefónicas en la sección Gobierno de los Estados Unidos, Departamento de Trabajo.

Programas o actividades que reciben asistencia financiera federal

RAZA, COLOR, PROCEDENCIA, SEXO

Además de las protecciones establecidas en el Título VII de la Ley de Derechos Civiles de 1964 y sus modificaciones, el Título VI de dicha ley, con sus modificaciones, prohíbe la discriminación por raza, color o procedencia en los programas o las actividades que reciban asistencia financiera federal. La discriminación laboral está cubierta por el Título VI si el objetivo principal de la asistencia financiera es brindar empleo, o si la discriminación laboral provoca o puede provocar discriminación cuando se proporcionan los servicios de dichos programas. El Título IX de las Reformas Educativas de 1972 prohíbe la discriminación laboral según el sexo en los programas o las actividades educativas que reciben asistencia financiera federal.

PERSONAS CON DISCAPACIDADES

La Sección 504 de la Ley de Rehabilitación de 1973, con sus modificaciones, prohíbe la discriminación laboral por discapacidad en cualquier programa o actividad que reciba asistencia financiera federal. Queda prohibida la discriminación en todos los aspectos laborales contra las personas discapacitadas que, con o sin adaptaciones razonables, pueden desempeñar las funciones esenciales del trabajo.

Si cree que ha sido víctima de discriminación en algún programa de una institución que reciba asistencia financiera federal, debe comunicarse de inmediato con la agencia federal que brinda dicha asistencia.

Project Wage Rate Sheet

U.S. Department of Housing and Urban Development
Office of Davis-Bacon and Labor Standards

PROJECT NAME:	**WAGE DECISION NUMBER/MODIFICATION NUMBER:**
PROJECT NUMBER:	**PROJECT COUNTY:**

WORK CLASSIFICATION	**BASIC HOURLY RATE (BHR)**	**FRINGE BENEFITS**	**TOTAL HOURLY WAGE RATE**	**LABORERS FRINGE BENEFITS:**		**$**
				GROUP #	**BHR**	**TOTAL WAGE**
Bricklayers			**$**			
Carpenters			**$**			**$**
Cement Masons			**$**			**$**
Drywall Hangers			**$**			**$**
Electricians			**$**			**$**
Iron Workers			**$**			**$**
Painters			**$**	**OPERATORS FRINGE BENEFITS:**		**$**
Plumbers			**$**	**GROUP #**	**BHR**	**TOTAL WAGE**
Roofers			**$**			**$**
Sheet Metal Workers			**$**			**$**
Soft Floor Layers			**$**			**$**
Tapers			**$**			**$**
Tile Setters			**$**	**TRUCK DRIVERS FRINGE BENEFITS:**		**$**
OTHER CLASSIFICATIONS				**GROUP #**	**BHR**	**TOTAL WAGE**
			$			**$**
			$			**$**
			$			**$**

ADDITIONAL CLASSIFICATIONS (HUD Form 4230-A)

WORK CLASSIFICATION	**BASIC HOURLY RATE**	**FRINGE BENEFITS**	**TOTAL HOURLY WAGE RATE**	**DATE OF HUD SUBMISSION TO DOL**	**DATE OF DOL APPROVAL**
			$		
			$		
			$		
			$		

form HUD-4720
(05/2019)

VILLAGE OF ARLINGTON HEIGHTS
2025 RESURFACING PROGRAM & SIDEWALK PROGRAM

NOTICE TO BIDDERS

Sealed Proposals for the Village of Arlington Heights **2025 RESURFACING PROGRAM & SIDEWALK PROGRAM** will be received on or before, but no later than Wednesday, March 12, 2025 at 11:00 AM. Said proposals must be dropped off at 33 S. Arlington Heights Road, Arlington Heights, IL. Bids will be opened and read out aloud at this time.

The above designated work and improvements referred to as **2025 RESURFACING PROGRAM & SIDEWALK PROGRAM** shall include the resurfacing of approximately 5.18 miles of bituminous streets within the Village of Arlington Heights and the resurfacing of one Municipal parking lot. This work will include, but is not limited to, bituminous surface removal; curb and gutter removal and replacement; sidewalk removal and replacement; bituminous paving; bituminous pavement patching; driveway repair; structure reconstruction; structure adjustments and restoration. The locations for this work are shown in the Contract Documents. This work shall be to the requirements as indicated in the Contract Specifications.

In addition, the CDBG-funded work must comply with the following federal laws and regulations: All work must meet CDBG/HUD requirements. For all designated work on the CDBG locations, bidders shall comply with Executive Order 11246 of September 24, 1965, entitled "Equal Employment Opportunity," as amended by Executive Order 11375 of October 13, 1967, and as supplemented in Department of Labor regulations (41 CFR chapter 60); the Copeland "Anti-Kickback" Act (18 U.S.C. 874) as supplemented in Department of Labor regulations (29 CFR part 3); the Davis-Bacon Act (40 U.S.C. 276a to 276a-7) as supplemented by Department of Labor regulations (29CFRpart 5); Sections 103 and 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327 - 330) as supplemented by Department of Labor regulations (29 CFR part 5); with all applicable standards, orders, or requirements issued under section 306 of the Clean Air Act (42 U.S.C. 1857(h)), section 508 of the Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and Environmental Protection Agency regulations (40 CFR part 15); and mandatory standards and policies relating to energy efficiency which are contained in the Illinois energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub. L. 94-163, 89 Stat. 871).[53 FR 8068, 8087, Mar. 11, 1988, as amended at 60 FR 19639, 19642, Apr. 19, 1995]; Housing and Community Development Act of 1974, as amended and 24 CFT Part 570; 2 CFR Part 200; Section 3 of the Housing and Urban Development Act of 1968, as amended (12 U.S.C. 1701u), and regulations at 24 CFR Part 135; 24 CFR Part 87 New Restrictions on Lobbying; and 24 CFR 570.611 (b) Conflict of Interest.

Bid documents and specifications can be obtained as Tuesday, February 25 2025, by contacting Lisa Subrin, Purchasing Coordinator, lsubrin@vah.com or (847) 368-5509. Fees for plans and specs will be waived at this time.

Bidders shall comply with the Prevailing Wage Rate Act (820 ILCS 130/) for the Base Bid, and the CDBG-funded work with the Department of Labor the Davis-Bacon Act wage rate will apply. Bidders will also be required to comply with the applicable equal employment opportunity provisions.

Bid bond, cashier's check, certified check drawn on a solvent bank in the State of Illinois, payable without condition to the Village of Arlington Heights in an amount not less than five percent (10%) of the bid, shall be submitted with each Proposal.

The Owner reserves the right to reject any Proposal for failure to comply with all requirements of this notice or of any of the Contract Documents; however, it may waive any minor defects or informalities at its discretion. The Owner further reserves the right to reject any and all Proposals or to award a Contract which, in its judgement, is in the best interest of the Owner.

Bidder must furnish a current copy of their Certificate of Eligibility issued by the Department of Transportation, State of Illinois, category 003 Bituminous Plant Mix, in order to bid on this project. All bidders shall be pre-qualified at a minimum of $2.0 million. The Affidavit of Availability must be submitted with the proposal, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work.

VILLAGE OF ARLINGTON HEIGHTS

PROPOSAL

NAME OF BIDDER:

ADDRESS OF BIDDER:

TO: VILLAGE ENGINEER
VILLAGE OF ARLINGTON HEIGHTS
33 SOUTH ARLINGTON HEIGHTS ROAD
ARLINGTON HEIGHTS, IL 60005

PROJECT: 2025 Resurfacing Program, Sidewalk Program

The undersigned Bidder submits herewith a Proposal Guaranty in the amount of _____ in accordance with the terms set forth in the Bid Specifications.

The undersigned Bidder, having examined the site of the work and determined the scope of the Plans & Bid Specifications, for the above-named project, hereby proposes to provide the required labor, services, and equipment and to perform the work as described in documents referenced above, including Addenda Nos_____, and to do all the work at the schedule of unit prices attached.

The undersigned hereby certifies that the bidder is not barred from contracting as a result of a conviction for violations of state laws prohibiting bid rigging or bid rotating or any similar offense of any state or the United States.

Title:_____
(Print)

By:_____

Signature:_____

Date: _____

Attest:

_____
Notary

2025 RESURFACING AND SIDEWALK PROGRAM BID PROPOSAL					
REGUALR STREETS					
ITEM. NO.	ITEM	UNIT	QTY	UNIT PRICE	COST
1	Combination Concrete Curb & Gutter Removal & Replacement	FT	8,150.00		
2	PCC Sidewalk Removal & Replacement, 5"	SF	34,000.00		
3	PCC Sidewalk Removal & Replacement, 6"	SF	6,400.00		
4	PCC Sidewalk Removal	SF	100.00		
5	Bituminous Concrete Driveway Removal & Replacement	SY	650.00		
6	PCC Driveway Removal & Replacement, 6"	SY	700.00		
7	Bituminous Surface Removal, 2"	SY	43,000.00		
8	Bituminous Surface Removal, 3"	SY	27,200.00		
9	Catch Basin, Type A, 4' Dia	EA	1.00		
10	Inlet, Type A, 2' Dia	EA	1.00		
11	Structures to be Reconstructed	EA	15.00		
12	Frames & Lids to be Adjusted	EA	180.00		
13	Change Frame & Lids	EA	12.00		
14	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	2,352.00		
15	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	7,313.00		
16	Bituminous Materials (Tack Coat)	LB	31,469.35		
17	Mixture for Joints, Cracks & Flangeways	TON	80.00		
18	Class D Patches, Hot Mix Asphalt, Special	SY	9,212.55		
19	Topsoil & Hydroseed, Special	FT	8,300.00		
20	Topsoil & Sod	SY	200.00		
21	Parkway Regrading, Special	SY	200.00		
22	Thermoplastic Pavement Marking - Line 24"	FT	52.00		
23	Thermoplastic Pavement Marking - Line 12"	FT	667.00		
24	Thermoplastic Pavement Marking - Line 6"	FT	210.00		
25	Thermoplastic Pavement Marking - Line 4"	FT	2,602.00		
26	Thermoplastic Pavement Marking - Line Symbols	SF	78.00		
27	Detectable Warnings	SF	740.00		
28	Traffic Control & Protection Regular Streets	L SUM	1.00		
88600600	Detector Loop Replacement	FT	487.00		
40600370	Longitudinal Joint Sealant	FT	3,400.00		
				TOTAL	

CDBG (CEDAR ST)					
ITEM. NO.	ITEM	UNIT	PLAN QTY	UNIT PRICE	COST
1A	Combination Concrete Curb & Gutter Removal & Replacement	FT	582.00		
2A	PCC Sidewalk Removal & Replacement, 5"	SF	1496.00		
3A	PCC Sidewalk Removal	SF	102.00		
4A	Bituminous Concrete Driveway Removal & Replacement	SY	13.00		
5A	PCC Driveway Removal & Replacement, 6"	SY	17.22		
6A	Bituminous Surface Removal, 2"	SY	4935.00		
7A	Structures to be Reconstructed	EA	2.00		
8A	Frames & Lids to be Adjusted	EA	8.00		
9A	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	552.00		
10A	Bituminous Materials (Tack Coat)	LB	2115.00		
11A	Mixture for Joints, Cracks & Flangeways	TON	20.00		
12A	Class D Patches, Hot Mix Asphalt, Special	SY	470.00		
13A	Topsoil & Hydroseed, Special	FT	87.30		
14A	Topsoil & Sod	SY	20.00		
15A	Parkway Regrading, Special	SY	20.00		
16A	Thermoplastic Pavement Marking - Line Symbols	SF	20.80		
17A	Detectable Warnings	SF	20.00		
18A	Traffic Control & Protection	L SUM	1.00		
				TOTAL	

2025 PARKING LOTS					
ITEM. NO.	ITEM	UNIT	PLAN QTY	UNIT PRICE	COST
1P	Combination Concrete Curb & Gutter Removal & Replacement	FT	110.00		
2P	PCC Sidewalk Removal & Replacement, 5"	SF	223.00		
3P	PCC Sidewalk Removal & Replacement, 6"	SF	231.00		
4P	Bituminous Concrete Driveway Removal & Replacement	SY	148.60		
5P	Bituminous Surface Removal, 2"	SY	3900.00		
6P	Frames & Lids to be Adjusted	EA	3.00		
7P	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	453.93		
8P	Bituminous Materials (Tack Coat)	LB	1737.00		
9P	Topsoil & Hydroseed, Special	FT	110.00		
10P	Thermoplastic Pavement Marking - Line 4"	FT	1700.00		
11P	Detectable Warnings	SF	160.00		
12P	Traffic Control & Protection	L SUM	1.00		
				TOTAL	

ALTERNATE (CHICAGO-HAWTHORNE-VINE-HARVARD)					
ITEM. NO.	**ITEM**	**UNIT**	**PLAN QTY**	**UNIT PRICE**	**COST**
1B	Bituminous Surface Removal, 2"	SY	12180.00		
2B	Catch Basin, TY A, 4' Dia, Type 8 Grate	EA	1.00		
3B	Storm Sewer, PVC SDR-26, Type 2, 12"	FT	90.00		
4B	Core & Boot Existing Structure	EA	1.00		
5B	Trench Backfill	CY	30.00		
6B	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	1364.16		
7B	Bituminous Materials (Tack Coat)	LB	584.64		
8B	Mixture for Joints, Cracks & Flangeways	TON	20.00		
9B	Class D Patches, Hot Mix Asphalt, Special	SY	1218.00		
10B	Temporary Erosion Control Blanket	SY	1350.00		
11B	Topsoil, Furnish and Place 4"	SY	1350.00		
12B	Grading And Shaping Ditches	SY	520.00		
13B	Thermoplastic Pavement Marking - Line 24"	FT	30.00		
14B	Traffic Control & Protection	L SUM	1.00		
15B	PCC Driveway Removal & Replacement, 6"	SY	19.30		
17B	Seeding, Class 1 A	SY	1350.00		

				TOTAL	

ALTERNATE (HOWARDS CT)					
ITEM. NO.	ITEM	UNIT	PLAN QTY	UNIT PRICE	COST
1C	Combination Concrete Curb & Gutter Removal & Replacement	FT	98.00		
2C	PCC Sidewalk Removal & Replacement, 5"	SF	240.00		
4C	PCC Sidewalk Removal	SF	425.00		
5C	PCC Sidewalk 5"(With 6" of CA-6 Subbase)	SF	520.00		
6C	Earth Excavation	CY	15.00		
7C	Bituminous Concrete Driveway Removal & Replacement	SY	25.00		
10C	Bituminous Surface Removal, 3"	SY	637.00		
13C	Structures to be Reconstructed	EA	1.00		
14C	Frames & Lids to be Adjusted	EA	2.00		
16C	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	113.00		
17C	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	76.00		
18C	Bituminous Materials (Tack Coat)	LB	430.00		
20C	Class D Patches, Hot Mix Asphalt, Special	SY	127.00		
21C	Topsoil & Hydroseed, Special	FT	92.00		
22C	Topsoil & Sod	SY	120.00		
23C	Parkway Regrading, Special	SY	120.00		
24C	Thermoplastic Pavement Marking - Line 24"	FT	12.00		
29C	Detectable Warnings	SF	20.00		
30C	Traffic Control & Protection	L SUM	1.00		
				TOTAL	

TOTAL COST	
REGUALR STREETS BID	
CDBG BID	
PARKING LOT BID	
ALT CHVH BID	
ALT HOWARDBID	

F.A.U. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
		COOK	62	1
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

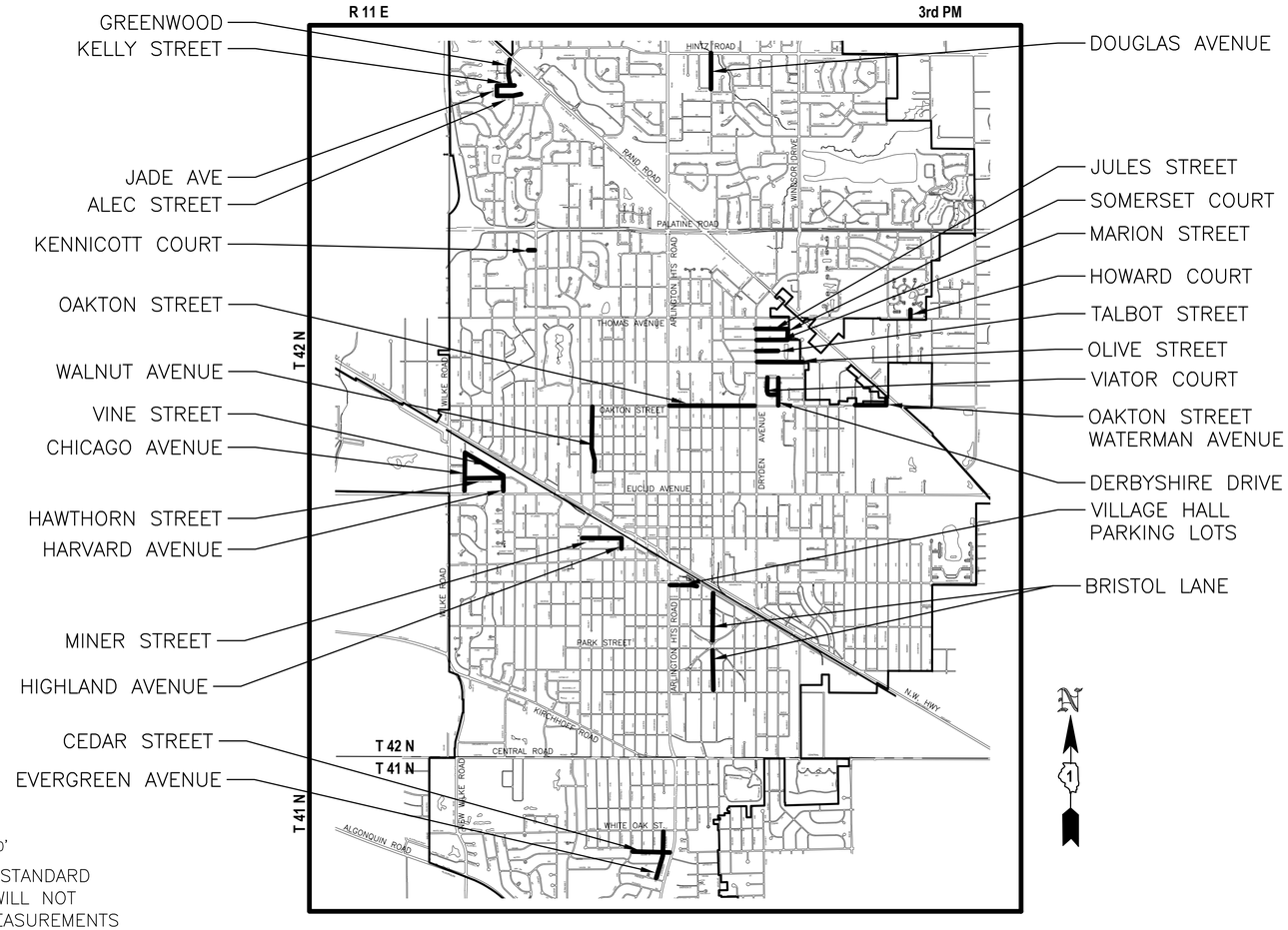
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

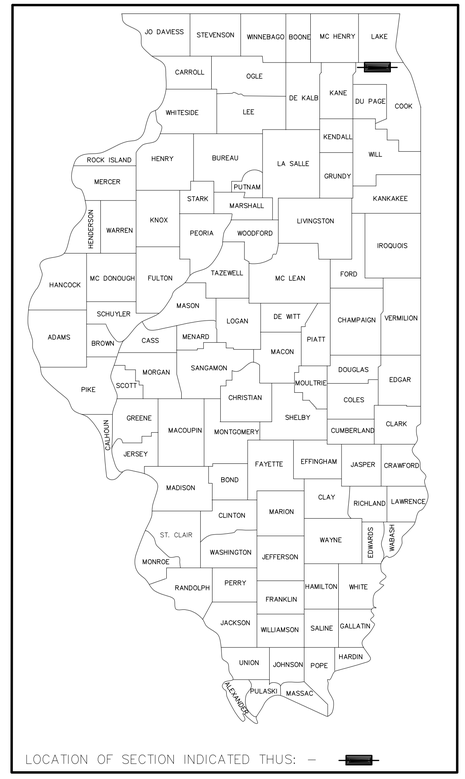
DEPARTMENT OF PUBLIC WORKS & ENGINEERING

2025 STREET RESURFACING PROJECT

VILLAGE OF ARLINGTON HEIGHTS

COOK COUNTY





LOCATION OF SECTION INDICATED THUS: –

100' 200' 300'	1"= 100'
0 10' 20' 30'	1"= 10'
0 50' 100'	1"= 50'
0 50' 100'	1"= 40'
0 50' 100'	1"= 30'
0 50' 100'	1"= 20'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

LOCATION MAPS

NOT TO SCALE

GROSS LENGTH OF IMPROVEMENT = 27350 FEET = 5.18 MILES
NET LENGTH OF IMPROVEMENT = 27350 FEET = 5.18 MILES
TOWNSHIP 42 N RANGE 11 E WHEELING TOWNSHIP
TOWNSHIP 41 N RANGE 11 E ELK GROVE TOWNSHIP

ANASTASIOS SAKKOS
062.074194
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
2/7/25

LICENSES EXPIRES 11-30-2025

ANASTASIOS SAKKOS, P.E.
PROJECT ENGINEER

CHRISTOPHER F. PAPIERNIAK
062-054544
LICENSED PROFESSIONAL ENGINEER
OF
ILLINOIS
1-10-25

LICENSES EXPIRES 11-30-2025

CRIS PAPIERNIAK, P.E.
DIRECTOR OF PUBLIC WORKS / ENGINEERING
VILLAGE OF ARLINGTON HEIGHTS

PROJECT ENGINEER: ANASTASIOS SAKKOS, P.E. (847) 368-5250 ARLINGTON HEIGHTS, IL

Plot Date: Feb 11, 2025 – 11:28am Plotted By: chomuth File Name: T:\1 CADD dwg\1 Resurfacing\2025\dwg\2025 RESURF TITLE SHEET.dwg

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3	SUMMARY QUANTITIES
4	TYPICAL SECTION
5	N DOUGLAS RESURFACING
6	ALEC VERDE JADE KELLY RESURFACING
7	GREENWOOD AVE RESURFACING
8	KENNICOTT CT RESURFACING
9	N WALNUT RESURFACING
10	MARION SOMERSET JULES RESURFACING
11	E TALBOT – E OLIVE TO N WINDSOR RESURFACING
12	VIATOR CT DERBYSHIRE RESURFACING
13	E OAKTON ST RESURFACING
14	E OAKTON ST & N WATERMAN RESURFACING
15	HIGHLAND & MINER ST RESURFACING
16	BRISTOL RESURFACING
17	S EVERGREEN RESURFACING
18	CEDAR RESURFACING
19	VILLAGE HALL PARKING RESURFACING
20	HOWARD CT RESURFACING
21	CHICAGO – HAWTHORNE DITCH & STM SWR
22	CHICAGO HAWTHORNE VINE HARVARD RESURFACING
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40	424026–03
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42	602001–02
43	602301–04
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45	606001–08 1
46	606001–08 2
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48	701601–09 1
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53	701901–08 3
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55	780001–05 2
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HIGHWAY STANDARDS

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280001–07	TEMPORARY EROSION CONTROL SYSTEMS
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424006–05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011–04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016–05	MID–BLOCK CURB RAMPS FOR SIDEWALKS
424021–06	DEPRESSED CORNER FOR SIDEWALKS
424026–03	
442201–03	
602001–02	CATCH BASIN TYPE A
602301–04	INLET TYPE A
604001–05	FRAME AND LIDS TYPE 1
606001–08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701501–06	URBAN LANE CLOSURE, 2L, 2W,UNDIVIDED
701601–09	
701606–10	
701901–08	TRAFFIC CONTROL DEVICES
720001–01	SIGN PANEL MOUNTING DETAILS
780001–05	TYPICAL PAVEMENT MARKINGS
886001–01	

DISTRICT ONE DETAILS

TC–10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC–13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC–16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
BD–7	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD–32	BUTT JOINT AND HMA TAPER DETAILS

PLAN / PROFILE — SURVEYED — DRAWN — GRADES CHECKED — R.M. NOTED — STRUCTURE NOTATNS CH'KD — NOTE BOOK — NO. ——— — BY — DATE

T:\1 CADD dwg\1 Resurfacing\2025\dwg\

FILE NAME = 2025 RESURF GENERAL NOTES.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = INDEX OF SHEETS	DRAWN – CH	REVISED –
	PLOT SCALE = N/A	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:28am	DATE – 01–05–2025	REVISED –

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

INDEX OF SHEETS / HIGHWAY STANDARDS

SCALE: VERT. N/A | SHEET NO. 2 OF 62 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	————	COOK	62	2
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

2025 RESURFACING STREETS			
ITEM. NO.	ITEM	UNIT	QTY
1	Combination Concrete Curb & Gutter Removal & Replacement	FT	8,150.00
2	PCC Sidewalk Removal & Replacement, 5"	SF	34,000.00
3	PCC Sidewalk Removal & Replacement, 6"	SF	6,400.00
4	PCC Sidewalk Removal	SF	100.00
5	Bituminous Concrete Driveway Removal & Replacement	SY	650.00
6	PCC Driveway Removal & Replacement, 6"	SY	700.00
7	Bituminous Surface Removal, 2"	SY	43,000.00
8	Bituminous Surface Removal, 3"	SY	27,200.00
9	Catch Basin, Type A, 4' Dia	EA	1.00
10	Inlet, Type A, 2' Dia	EA	1.00
11	Structures to be Reconstructed	EA	15.00
12	Frames & Lids to be Adjusted	EA	180.00
13	Change Frame & Lids	EA	12.00
14	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	2,352.00
15	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	7,313.00
16	Bituminous Materials (Tack Coat)	LB	31,469.35
17	Mixture for Joints, Cracks & Flangeways	TON	80.00
18	Class D Patches, Hot Mix Asphalt, Special	SY	9,212.55
19	Topsoil & Hydroseed, Special	FT	8,300.00
20	Topsoil & Sod	SY	200.00
21	Parkway Regrading, Special	SY	200.00
22	Thermoplastic Pavement Marking - Line 24"	FT	52.00
23	Thermoplastic Pavement Marking - Line 12"	FT	667.00
24	Thermoplastic Pavement Marking - Line 6"	FT	210.00
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CDBG (CEDAR ST)			
ITEM. NO.	ITEM	UNIT	PLAN QTY
1A	Combination Concrete Curb & Gutter Removal & Replacement	FT	582.00
2A	PCC Sidewalk Removal & Replacement, 5"	SF	1496.00
3A	PCC Sidewalk Removal	SF	102.00
4A	Bituminous Concrete Driveway Removal & Replacement	SY	13.00
5A	PCC Driveway Removal & Replacement, 6"	SY	17.22
6A	Bituminous Surface Removal, 2"	SY	4935.00
7A	Structures to be Reconstructed	EA	2.00
8A	Frames & Lids to be Adjusted	EA	8.00
9A	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	552.00
10A	Bituminous Materials (Tack Coat)	LB	2115.00
11A	Mixture for Joints, Cracks & Flangeways	TON	20.00
12A	Class D Patches, Hot Mix Asphalt, Special	SY	470.00
13A	Topsoil & Hydroseed, Special	FT	87.30
14A	Topsoil & Sod	SY	20.00
15A	Parkway Regrading, Special	SY	20.00
16A	Thermoplastic Pavement Marking - Line Symbols	SF	20.80
17A	Detectable Warnings	SF	20.00
18A	Traffic Control & Protection	L SUM	1.00

2025 PARKING LOTS			
ITEM. NO.	ITEM	UNIT	PLAN QTY
1P	Combination Concrete Curb & Gutter Removal & Replacement	FT	110.00
2P	PCC Sidewalk Removal & Replacement, 5"	SF	223.00
3P	PCC Sidewalk Removal & Replacement, 6"	SF	231.00
4P	Bituminous Concrete Driveway Removal & Replacement	SY	148.60
5P	Bituminous Surface Removal, 2"	SY	3900.00
6P	Frames & Lids to be Adjusted	EA	3.00
7P	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	453.93
8P	Bituminous Materials (Tack Coat)	LB	1737.00
9P	Topsoil & Hydroseed, Special	FT	110.00
10P	Thermoplastic Pavement Marking - Line 4"	FT	1700.00
11P	Detectable Warnings	SF	160.00
12P	Traffic Control & Protection	L SUM	1.00

ALTERNATE (CHICAGO-HAWTHORNE-VINE-HARVARD)			
ITEM. NO.	ITEM	UNIT	PLAN QTY
1B	Bituminous Surface Removal, 2"	SY	12180.00
2B	Catch Basin, TY A, 4' Dia, Type 8 Grate	EA	1.00
3B	Storm Sewer, PVC SDR-26, Type 2, 12"	FT	90.00
4B	Core & Boot Existing Structure	EA	1.00
5B	Trench Backfill	CY	30.00
6B	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	1364.16
7B	Bituminous Materials (Tack Coat)	LB	584.64
8B	Mixture for Joints, Cracks & Flangeways	TON	20.00
9B	Class D Patches, Hot Mix Asphalt, Special	SY	1218.00
10B	Temporary Erosion Control Blanket	SY	1350.00
11B	Topsoil, Furnish and Place 4"	SY	1350.00
12B	Grading And Shaping Ditches	SY	520.00
13B	Thermoplastic Pavement Marking - Line 24"	FT	30.00
14B	Traffic Control & Protection	L SUM	1.00
15B	PCC Driveway Removal & Replacement, 6"	SY	19.30
17B	Seeding, Class 1 A	SY	1350.00

ALTERNATE (HOWARDS CT)			
ITEM. NO.	ITEM	UNIT	PLAN QTY
1C	Combination Concrete Curb & Gutter Removal & Replacement	FT	98.00
2C	PCC Sidewalk Removal & Replacement, 5"	SF	240.00
4C	PCC Sidewalk Removal	SF	425.00
5C	PCC Sidewalk 5"(With 6" of CA-6 Subbase)	SF	520.00
6C	Earth Excavation	CY	15.00
7C	Bituminous Concrete Driveway Removal & Replacement	SY	25.00
10C	Bituminous Surface Removal, 3"	SY	637.00
13C	Structures to be Reconstructed	EA	1.00
14C	Frames & Lids to be Adjusted	EA	2.00
16C	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	113.00
17C	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	76.00
18C	Bituminous Materials (Tack Coat)	LB	430.00
20C	Class D Patches, Hot Mix Asphalt, Special	SY	127.00
21C	Topsoil & Hydroseed, Special	FT	92.00
22C	Topsoil & Sod	SY	120.00
23C	Parkway Regrading, Special	SY	120.00
24C	Thermoplastic Pavement Marking - Line 24"	FT	12.00
29C	Detectable Warnings	SF	20.00
30C	Traffic Control & Protection	L SUM	1.00

PLAN / PROFILE
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GRADES CHECKED
R.M. NOTED
STRUCTURE NOTATNS CH'KD
NOTE BOOK
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BY
DATE

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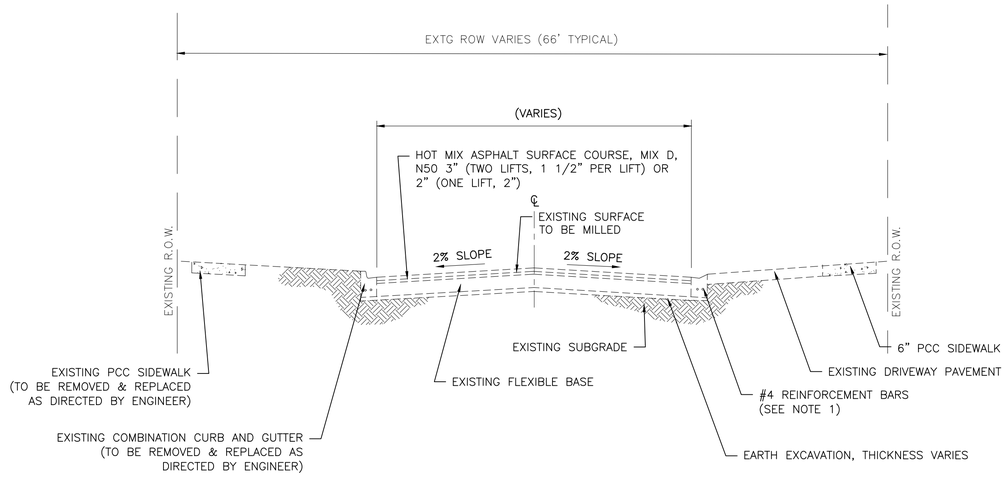
FILE NAME = 2025 RESURF QUANTITIES & EARTHWORK.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = SUMMARY	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:29am	DATE – 01–05–2025	REVISED –

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

SUMMARY OF QUANTITIES

SCALE: VERT. N/A | SHEET NO. 3 OF 62 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	3
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		



NOTE #1
FOR STEEL BARS CERTIFICATION PLEASE CONTACT IDOT BUREAU OF MATERIALS

NOTE #2
THE UNIT WEIGHT USED TO CALCULATE ALL BITUMINOUS SURFACE MIXTURES IS 112 LBS/SY/IN

TYPICAL SECTION

BITUMINOUS SURFACE REMOVAL, 3" OR 2"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS
FULL DEPTH PAVEMENT	
HOT-MIX ASPHALT SURFACE COUSE, MIX "D", IL-9.5, N50; 2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 5 1/2" (2 LIFTS UNLESS APPROVED BY ENGINEER)	4% @ 50 GYR
DRIVEWAYS	
HOT-MIX SURFACE COUSE, MIX "D", IL 9.5, N50; 2 1/2 "- DRIVEWAY	4% @ 50 GYR
HOT-MIX BASE COURSE (HMA BINDER IL-19.0, N50); CE - 6" (2 LIFTS)	4% @ 50 GYR
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 50 GYR
HOT-MIX BASE COURSE (HMA BINDER IL-19, N50); CE - 6" (2 LIFTS)	4% @ 50 GYR

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN

NOTE 2: THE "AC TYPS" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.
FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

PLAN / PROFILE

BY	DATE
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GRADES CHECKED	
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STRUCTURE NOTATNS CH'KD	

FILE NAME = 2025 RESURF TYPICAL SECTIONS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
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	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:29am	DATE – 01–05–2025	REVISED –

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

TYPICAL SECTIONS

SCALE: N/A | SHEET NO. 4 OF 62 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	4
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

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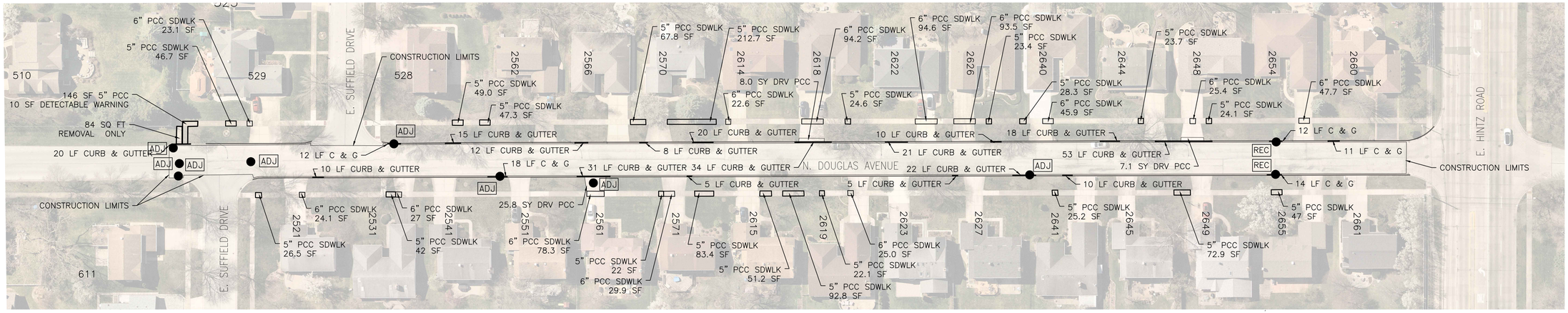

DOUGLAS AVE

ITEM. NO.	ITEM	UNIT	PLAN QTY
1	Combination Concrete Curb & Gutter Removal & Replacement	FT	361.00
2	PCC Sidewalk Removal & Replacement, 5"	SF	1263.00
3	PCC Sidewalk Removal & Replacement, 6"	SF	651.00
4	PCC Sidewalk Removal	SF	84.00
5	Bituminous Concrete Driveway Removal & Replacement	SY	
6	PCC Driveway Removal & Replacement, 6"	SY	40.89
7	Bituminous Surface Removal, 2"	SY	3704.00
8	Bituminous Surface Removal, 3"	SY	
9	Catch Basin, Type A, 4' Dia	EA	
10	Inlet, Type A, 2' Dia	EA	
11	Structures to be Reconstructed	EA	2.00
12	Frames & Lids to be Adjusted	EA	10.00
13	Change Frame & Lids	EA	1.00
14	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	0.00
15	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	414.85
16	Bituminous Materials (Tack Coat)	LB	1666.80
17	Mixture for Joints, Cracks & Flangeways	TON	
18	Class D Patches, Hot Mix Asphalt, Special	SY	370.40
19	Topsoil & Hydroseed, Special	FT	361.00
20	Topsoil & Sod	SY	
21	Parkway Regrading, Special	SY	
22	Thermoplastic Pavement Marking - Line 24"	FT	
23	Thermoplastic Pavement Marking - Line 12"	FT	
24	Thermoplastic Pavement Marking - Line 6"	FT	
25	Thermoplastic Pavement Marking - Line 4"	FT	
26	Thermoplastic Pavement Marking - Line Symbols	SF	
27	Detectable Warnings	SF	10.00
28	Traffic Control & Protection	L SUM	

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SURFACE REMOVAL 3704.3 SQ YDS

PLAN: DATE | BY | SURVEYED | PLOTTED | GRADES CHECKED | NOTE BOOK | NO. ——— | STRUCTURE NOTATNS CH'KD

PROFILE: DATE | BY | SURVEYED | PLOTTED | GRADES CHECKED | NOTE BOOK | NO. ——— | STRUCTURE NOTATNS CH'KD

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	PLOT SCALE = 50.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE =Feb 11, 2025-11:29am	DATE – 01/05/2025	REVISED –

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

N. DOUGLAS AVENUE
RESURFACING PROGRAM

SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	5
		CONTRACT NO.		
FED. ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

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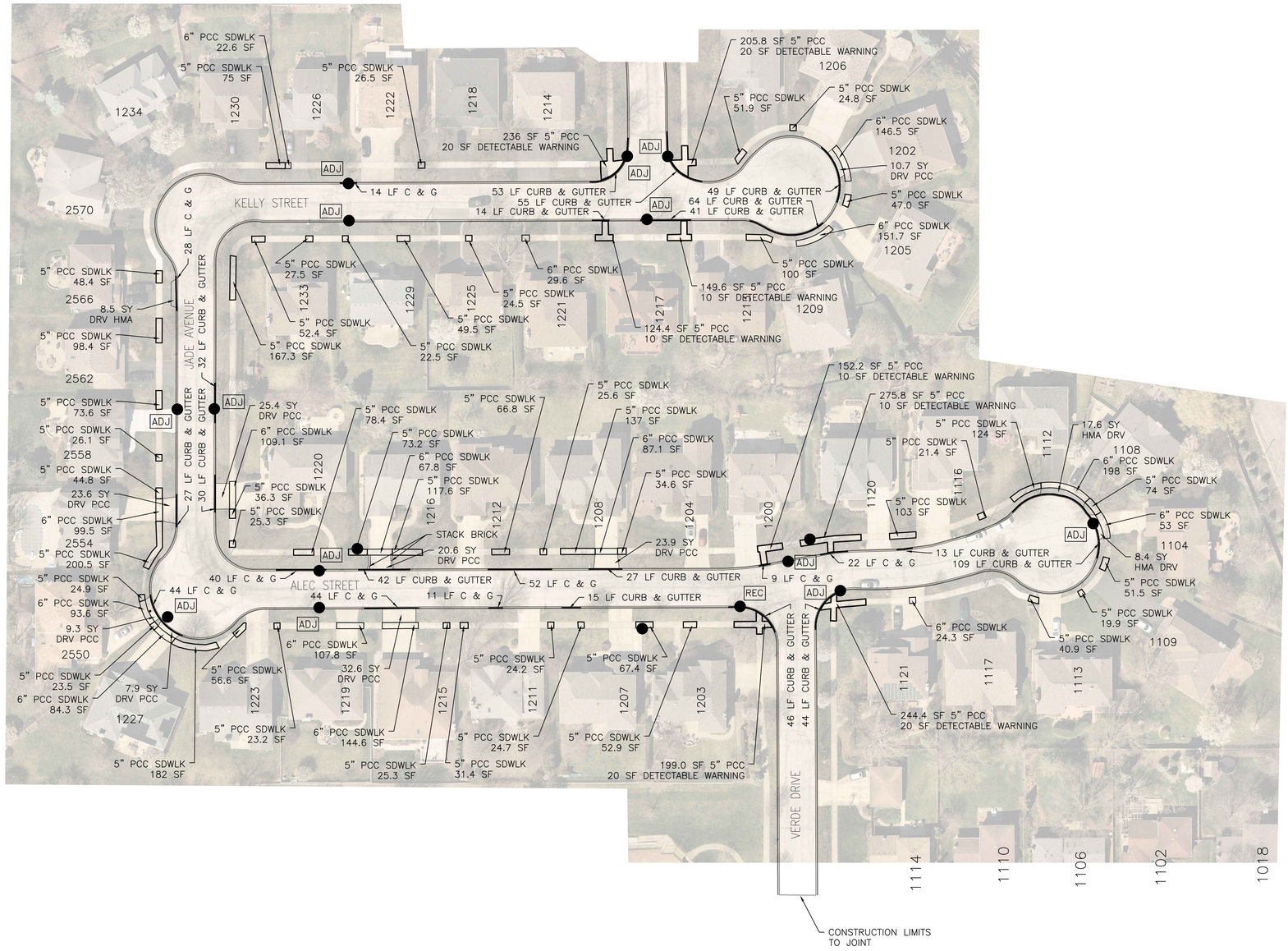
STRUCTURE NOTATNS CH'KD



SURFACE REMOVAL 9979.9 SQ YDS

ALEC ST, KELLY AVE, JADE AVE, GREENWOOD AVE			
ITEM. NO.	ITEM	UNIT	PLAN QTY
1	Combination Concrete Curb & Gutter Removal & Replacement	FT	1299.00
2	PCC Sidewalk Removal & Replacement, 5"	SF	6397.00
3	PCC Sidewalk Removal & Replacement, 6"	SF	1514.24
4	PCC Sidewalk Removal	SF	
5	Bituminous Concrete Driveway Removal & Replacement	SY	26.11
6	PCC Driveway Removal & Replacement, 6"	SY	166.00
7	Bituminous Surface Removal, 2"	SY	10000.00
8	Bituminous Surface Removal, 3"	SY	
9	Catch Basin, Type A, 4' Dia	EA	
10	Inlet, Type A, 2' Dia	EA	
11	Structures to be Reconstructed	EA	
12	Frames & Lids to be Adjusted	EA	19.00
13	Change Frame & Lids	EA	
14	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	
15	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	1120.00
16	Bituminous Materials (Tack Coat)	LB	4500.00
17	Mixture for Joints, Cracks & Flangeways	TON	
18	Class D Patches, Hot Mix Asphalt, Special	SY	1000.00
19	Topsoil & Hydroseed, Special	FT	1299.00
20	Topsoil & Sod	SY	20.00
21	Parkway Regrading, Special	SY	20.00
22	Thermoplastic Pavement Marking - Line 24"	FT	28.00
23	Thermoplastic Pavement Marking - Line 12"	FT	
24	Thermoplastic Pavement Marking - Line 6"	FT	110.00
25	Thermoplastic Pavement Marking - Line 4"	FT	220.00
26	Thermoplastic Pavement Marking - Line Symbols	SF	41.60
27	Detectable Warnings	SF	200.00
28	Traffic Control & Protection	L SUM	
1Z	Detector Loop Replacement	FT	320.00

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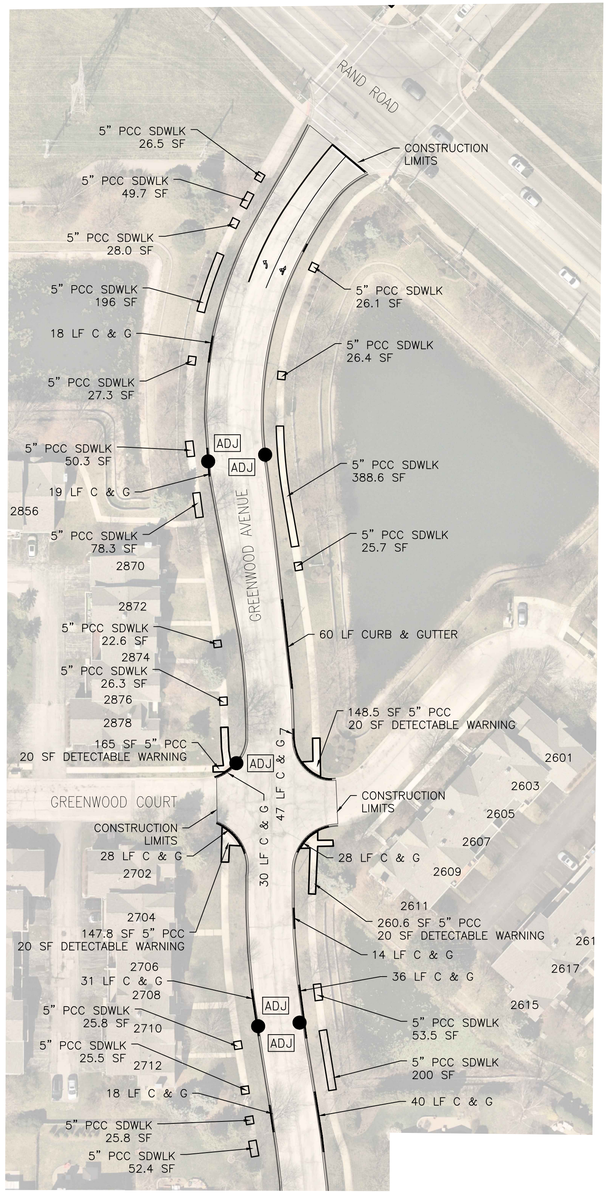
	PLOT SCALE = 50.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025-11:29am	DATE – 1/05/2025	REVISED –

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

ALEC STREET, VERDE DRIVE, JADE AVENUE, & KELLY STREET
RESURFACING PROGRAM

SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	6
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		



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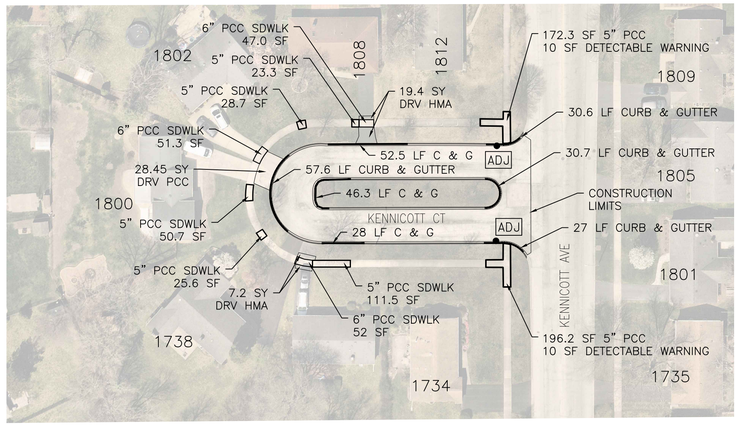
	PLOT SCALE = 50.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE =Feb 11, 2025-11:29am	DATE – 01/05/2025	REVISED –

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

GREENWOOD AVENUE
RESURFACING PROGRAM

SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	7
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		



KENNICOTT CT			
ITEM. NO.	**ITEM**	**UNIT**	**PLAN QTY**
1	Combination Concrete Curb & Gutter Removal & Replacement	FT	266.15
2	PCC Sidewalk Removal & Replacement, 5"	SF	609.00
3	PCC Sidewalk Removal & Replacement, 6"	SF	151.00
4	PCC Sidewalk Removal	SF	
5	Bituminous Concrete Driveway Removal & Replacement	SY	22.78
6	PCC Driveway Removal & Replacement, 6"	SY	28.33
7	Bituminous Surface Removal, 2"	SY	900.00
8	Bituminous Surface Removal, 3"	SY	
9	Catch Basin, Type A, 4' Dia	EA	
10	Inlet, Type A, 2' Dia	EA	
11	Structures to be Reconstructed	EA	
12	Frames & Lids to be Adjusted	EA	2.00
13	Change Frame & Lids	EA	
14	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	
15	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	100.80
16	Bituminous Materials (Tack Coat)	LB	405.00
17	Mixture for Joints, Cracks & Flangeways	TON	
18	Class D Patches, Hot Mix Asphalt, Special	SY	135.00
19	Topsoil & Hydroseed, Special	FT	266.15
20	Topsoil & Sod	SY	
21	Parkway Regrading, Special	SY	
22	Thermoplastic Pavement Marking - Line 24"	FT	
23	Thermoplastic Pavement Marking - Line 12"	FT	
24	Thermoplastic Pavement Marking - Line 6"	FT	
25	Thermoplastic Pavement Marking - Line 4"	FT	
26	Thermoplastic Pavement Marking - Line Symbols	SF	
27	Detectable Warnings	SF	20.00
28	Traffic Control & Protection	L SUM	

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SURFACE REMOVAL 882.8 SQ YDS

PLAN: SURVEYED | PLOTTED | CROSS SECTIONED | NOTE BOOK | NO. ——— | DATE | BY | STRUCTURE NOTATNS CH'KD

PROFILE: SURVEYED | PLOTTED | CROSS SECTIONED | NOTE BOOK | NO. ——— | DATE | BY | STRUCTURE NOTATNS CH'KD

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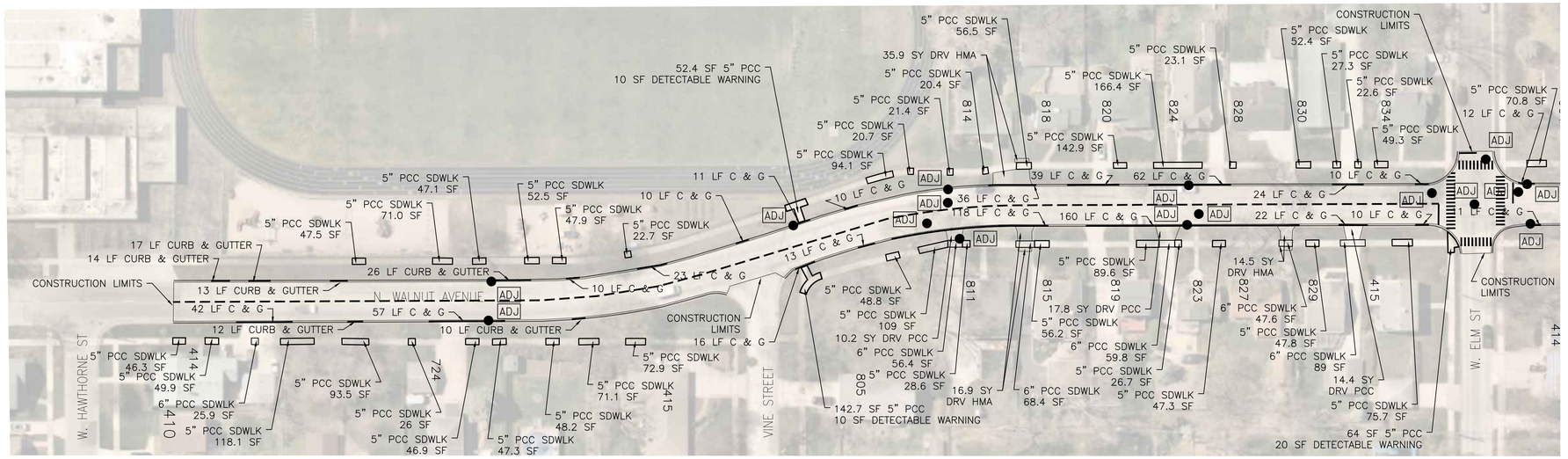
	PLOT SCALE = 50.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE =Feb 11, 2025–11:29am	DATE – 01/05/2025	REVISED –

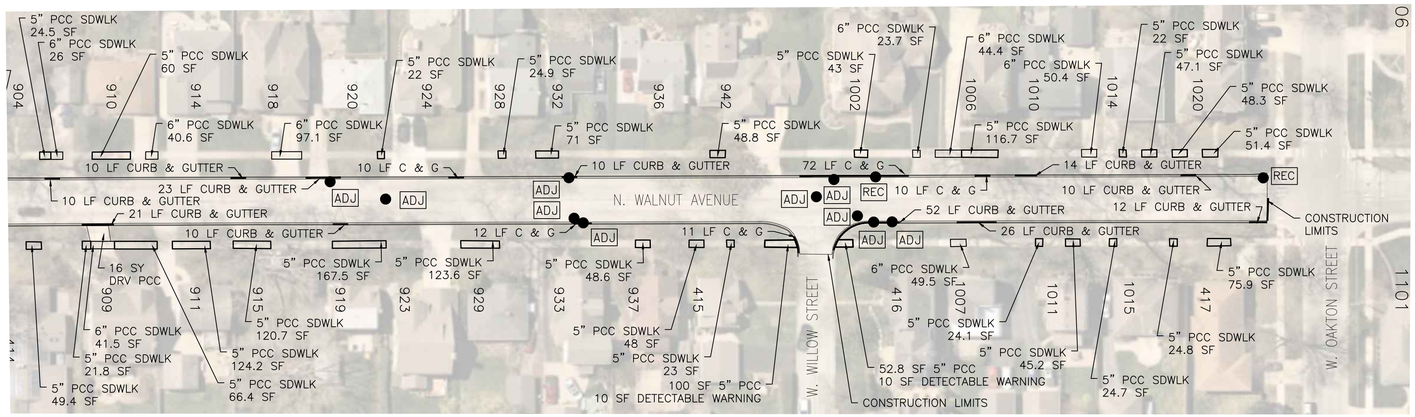
VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

KENNICOTT COURT
RESURFACING PROGRAM

SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	8
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		





WALNUT AVE			
ITEM. NO.	ITEM	UNIT	PLAN QTY
1	Combination Concrete Curb & Gutter Removal & Replacement	FT	1099.00
2	PCC Sidewalk Removal & Replacement, 5"	SF	4240.00
3	PCC Sidewalk Removal & Replacement, 6"	SF	809.00
4	PCC Sidewalk Removal	SF	
5	Bituminous Concrete Driveway Removal & Replacement	SY	67.11
6	PCC Driveway Removal & Replacement, 6"	SY	58.33
7	Bituminous Surface Removal, 2"	SY	
8	Bituminous Surface Removal, 3"	SY	6400.00
9	Catch Basin, Type A, 4' Dia	EA	
10	Inlet, Type A, 2' Dia	EA	
11	Structures to be Reconstructed	EA	2.00
12	Frames & Lids to be Adjusted	EA	26.00
13	Change Frame & Lids	EA	0.00
14	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	537.60
15	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	537.60
16	Bituminous Materials (Tack Coat)	LB	2880.00
17	Mixture for Joints, Cracks & Flangeways	TON	
18	Class D Patches, Hot Mix Asphalt, Special	SY	1280.00
19	Topsoil & Hydroseed, Special	FT	1099.00
20	Topsoil & Sod	SY	
21	Parkway Regrading, Special	SY	
22	Thermoplastic Pavement Marking - Line 24"	FT	
23	Thermoplastic Pavement Marking - Line 12"	FT	400.00
24	Thermoplastic Pavement Marking - Line 6"	FT	
25	Thermoplastic Pavement Marking - Line 4"	FT	1000.00
26	Thermoplastic Pavement Marking - Line Symbols	SF	
27	Detectable Warnings	SF	60.00
28	Traffic Control & Protection	L SUM	

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SURFACE REMOVAL 6283.4 SQ YDS

PLAN / PROFILE

BY	DATE
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	PLOT DATE =Feb 11, 2025–11:29am	DATE – 01/05/2025	REVISED –

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

N. WALNUT AVENUE
RESURFACING PROGRAM

SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	9
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

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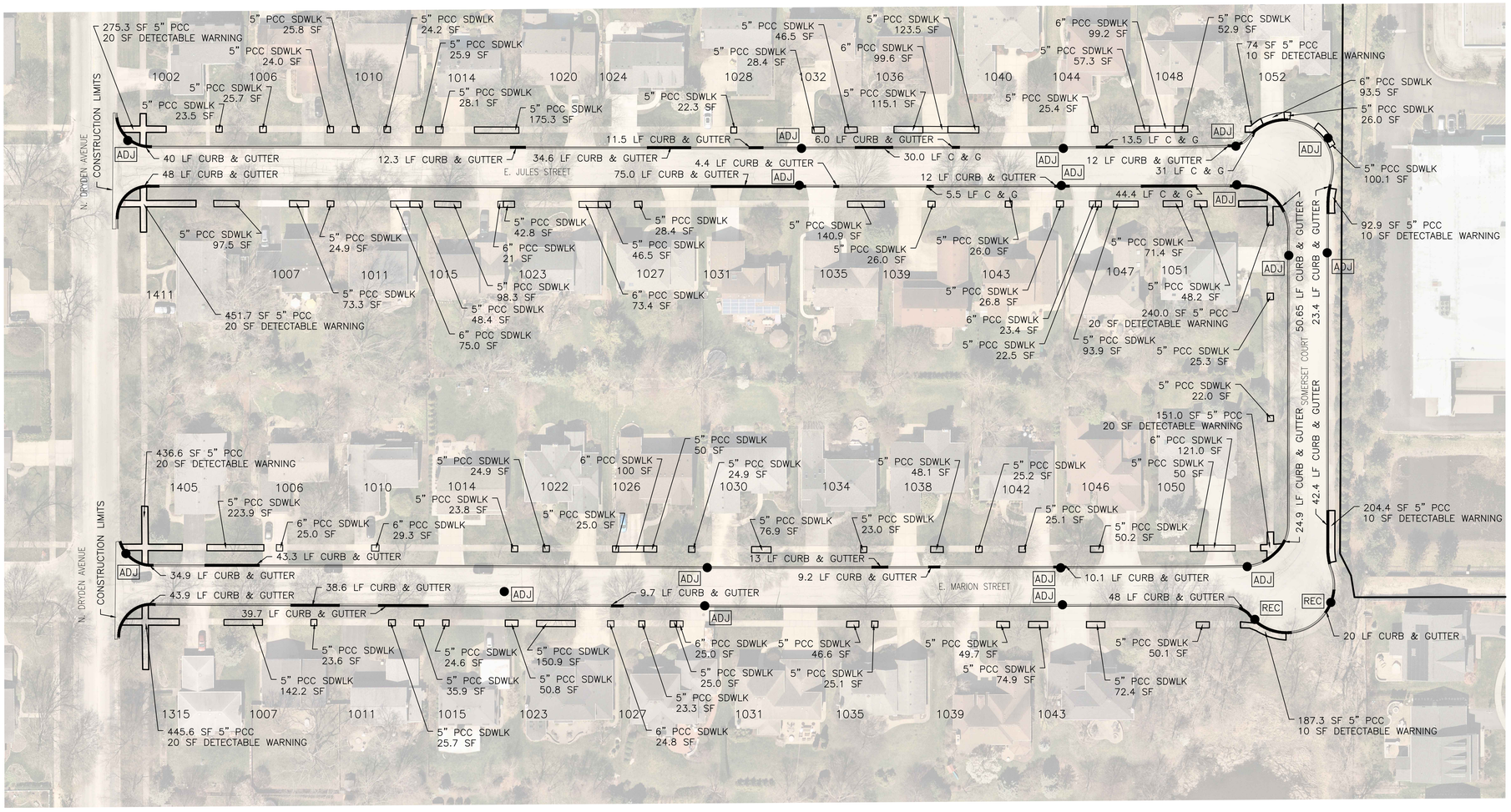

JULES ST, SOMERSET CT, MARION ST			
ITEM. NO.	**ITEM**	**UNIT**	**PLAN QTY**
1	Combination Concrete Curb & Gutter Removal & Replacement	FT	831.00
2	PCC Sidewalk Removal & Replacement, 5"	SF	5911.00
3	PCC Sidewalk Removal & Replacement, 6"	SF	715.00
4	PCC Sidewalk Removal	SF	
5	Bituminous Concrete Driveway Removal & Replacement	SY	50.00
6	PCC Driveway Removal & Replacement, 6"	SY	50.00
7	Bituminous Surface Removal, 2"	SY	7700.00
8	Bituminous Surface Removal, 3"	SY	
9	Catch Basin, Type A, 4' Dia	EA	
10	Inlet, Type A, 2' Dia	EA	
11	Structures to be Reconstructed	EA	2.00
12	Frames & Lids to be Adjusted	EA	17.00
13	Change Frame & Lids	EA	
14	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	0.00
15	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	862.40
16	Bituminous Materials (Tack Coat)	LB	3465.00
17	Mixture for Joints, Cracks & Flangeways	TON	
18	Class D Patches, Hot Mix Asphalt, Special	SY	770.00
19	Topsoil & Hydroseed, Special	FT	831.00
20	Topsoil & Sod	SY	
21	Parkway Regrading, Special	SY	
22	Thermoplastic Pavement Marking - Line 24"	FT	
23	Thermoplastic Pavement Marking - Line 12"	FT	
24	Thermoplastic Pavement Marking - Line 6"	FT	
25	Thermoplastic Pavement Marking - Line 4"	FT	
26	Thermoplastic Pavement Marking - Line Symbols	SF	
27	Detectable Warnings	SF	160.00
28	Traffic Control & Protection	L SUM	

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SURFACE REMOVAL 7602.3 SQ YDS

PLAN / PROFILE

DATE	BY	SURVEYED	DRAWN	CHECKED	QUANTS	CHKD
		NOTE BOOK				
		NO.				

STRUCTURE NO

I:\1 C400 dwg\1 Resurfacing\2025\dwg\

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	PLOT SCALE = 50.00' / IN.	CHECKED - JM	REVISED -
	PLOT DATE =Feb 11, 2025-11:29am	DATE - 01/05/2025	REVISED -

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

E. MARION STREET, SOMERSET COURT, & E. JULES STREET
RESURFACING PROGRAM

SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	10
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

PLAN

DATE	BY	
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		DRAWN
		GRADES CHECKED
		R.W. NOTED
		STRUCTURE NOTATNS CHKD

NOTE BOOK
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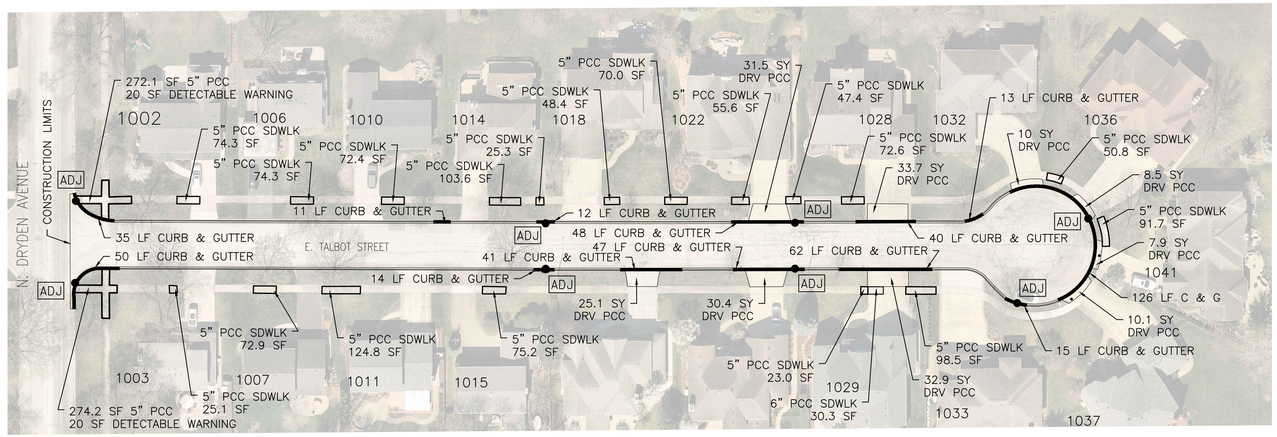

SURFACE REMOVAL 2510.6 SQ YDS

TALBOT ST, OLIVE ST			
ITEM. NO.	ITEM	UNIT	PLAN QTY
1	Combination Concrete Curb & Gutter Removal & Replacement	FT	512.00
2	PCC Sidewalk Removal & Replacement, 5"	SF	1753.00
3	PCC Sidewalk Removal & Replacement, 6"	SF	50.00
4	PCC Sidewalk Removal	SF	
5	Bituminous Concrete Driveway Removal & Replacement	SY	
6	PCC Driveway Removal & Replacement, 6"	SY	190.00
7	Bituminous Surface Removal, 2"	SY	5750.00
8	Bituminous Surface Removal, 3"	SY	
9	Catch Basin, Type A, 4' Dia	EA	
10	Inlet, Type A, 2' Dia	EA	
11	Structures to be Reconstructed	EA	
12	Frames & Lids to be Adjusted	EA	8.00
13	Change Frame & Lids	EA	2.00
14	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	
15	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	644.00
16	Bituminous Materials (Tack Coat)	LB	2587.50
17	Mixture for Joints, Cracks & Flangeways	TON	
18	Class D Patches, Hot Mix Asphalt, Special	SY	862.50
19	Topsoil & Hydroseed, Special	FT	512.00
20	Topsoil & Sod	SY	
21	Parkway Regrading, Special	SY	
22	Thermoplastic Pavement Marking - Line 24"	FT	
23	Thermoplastic Pavement Marking - Line 12"	FT	80.00
24	Thermoplastic Pavement Marking - Line 6"	FT	
25	Thermoplastic Pavement Marking - Line 4"	FT	
26	Thermoplastic Pavement Marking - Line Symbols	SF	
27	Detectable Warnings	SF	40.00
28	Traffic Control & Protection	L SUM	

PROFILE

DATE	BY	
		SURVEYED
		DRAWN
		GRADES CHECKED
		R.W. NOTED
		STRUCTURE NOTATNS CHKD

NOTE BOOK
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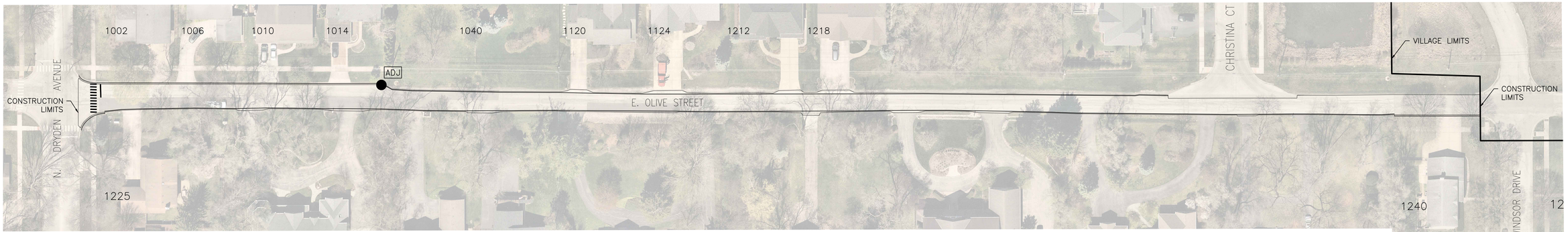

SURFACE REMOVAL 3163.0 SQ YDS

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FILE NAME = 2025 RESURF.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –	VILLAGE OF ARLINGTON HEIGHTS PUBLIC WORKS DEPARTMENT	E. TALBOT STREET - E. OLIVE STREET TO N. WINDSOR DRIVE RESURFACING PROGRAM	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAYOUT NAME =E TALBOT – E OLIVE – N WINDSOR	DRAWN – CH	REVISED –					COOK	62	11
	PLOT SCALE = 50.00' / IN.	CHECKED – JM	REVISED –					CONTRACT NO.		
	PLOT DATE =Feb 11, 2025-11:29am	DATE – 01/05/2025	REVISED –		SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS	FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

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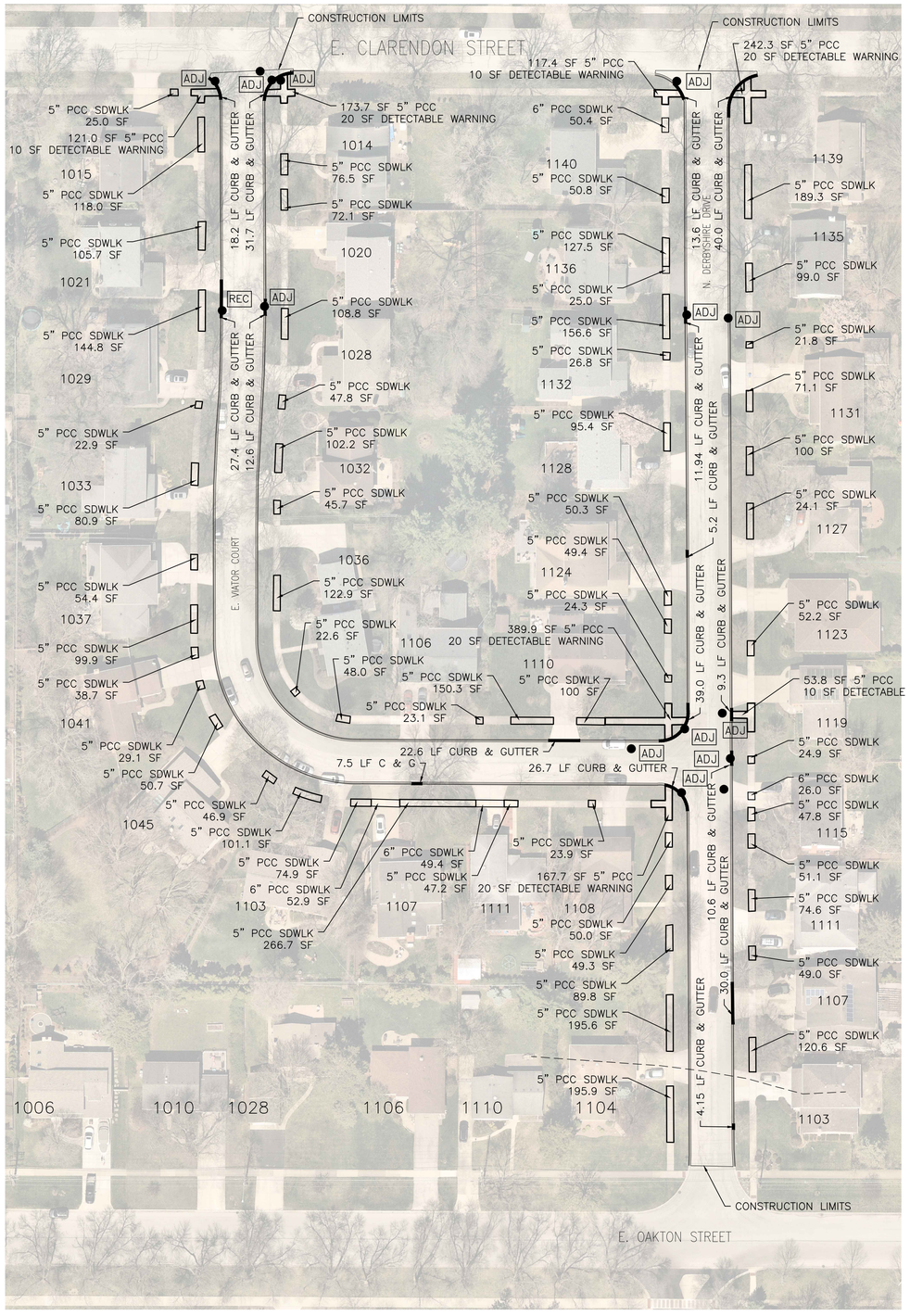

VIATOR CT, DERBYSHIRE DR

ITEM. NO.	ITEM	UNIT	PLAN QTY
1	Combination Concrete Curb & Gutter Removal & Replacement	FT	311.00
2	PCC Sidewalk Removal & Replacement, 5"	SF	5790.00
3	PCC Sidewalk Removal & Replacement, 6"	SF	306.00
4	PCC Sidewalk Removal	SF	
5	Bituminous Concrete Driveway Removal & Replacement	SY	60.00
6	PCC Driveway Removal & Replacement, 6"	SY	60.00
7	Bituminous Surface Removal, 2"	SY	
8	Bituminous Surface Removal, 3"	SY	5200.00
9	Catch Basin, Type A, 4' Dia	EA	
10	Inlet, Type A, 2' Dia	EA	
11	Structures to be Reconstructed	EA	1.00
12	Frames & Lids to be Adjusted	EA	12.00
13	Change Frame & Lids	EA	2.00
14	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	436.80
15	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	436.80
16	Bituminous Materials (Tack Coat)	LB	2340.00
17	Mixture for Joints, Cracks & Flangeways	TON	
18	Class D Patches, Hot Mix Asphalt, Special	SY	780.00
19	Topsoil & Hydroseed, Special	FT	311.00
20	Topsoil & Sod	SY	20.00
21	Parkway Regrading, Special	SY	20.00
22	Thermoplastic Pavement Marking - Line 24"	FT	
23	Thermoplastic Pavement Marking - Line 12"	FT	
24	Thermoplastic Pavement Marking - Line 6"	FT	
25	Thermoplastic Pavement Marking - Line 4"	FT	
26	Thermoplastic Pavement Marking - Line Symbols	SF	
27	Detectable Warnings	SF	100.00
28	Traffic Control & Protection	L SUM	

SURFACE REMOVAL 5130.0 SQ YDS

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NOTE BOOK
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STRUCTURE NOTATNS CH'KD
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GRADES CHECKED
NOTE BOOK
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STRUCTURE NOTATNS CH'KD
BY
DATE

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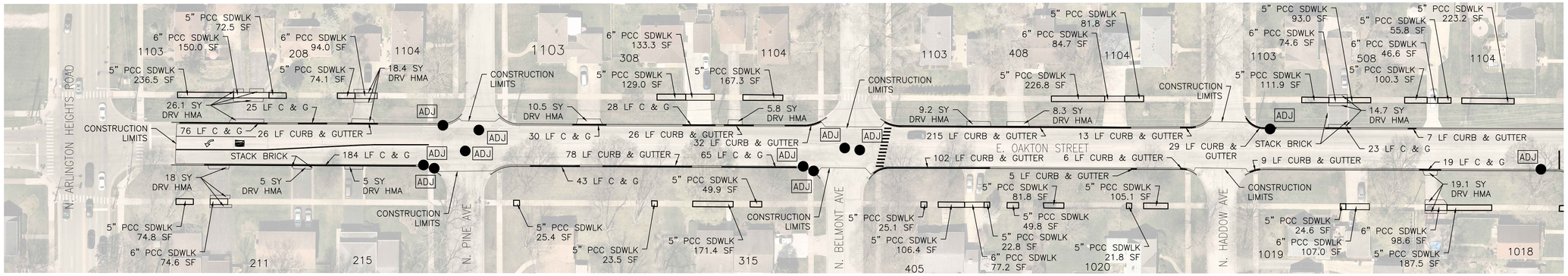
	PLOT SCALE = 50.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:29am	DATE – 01/05/2025	REVISED –

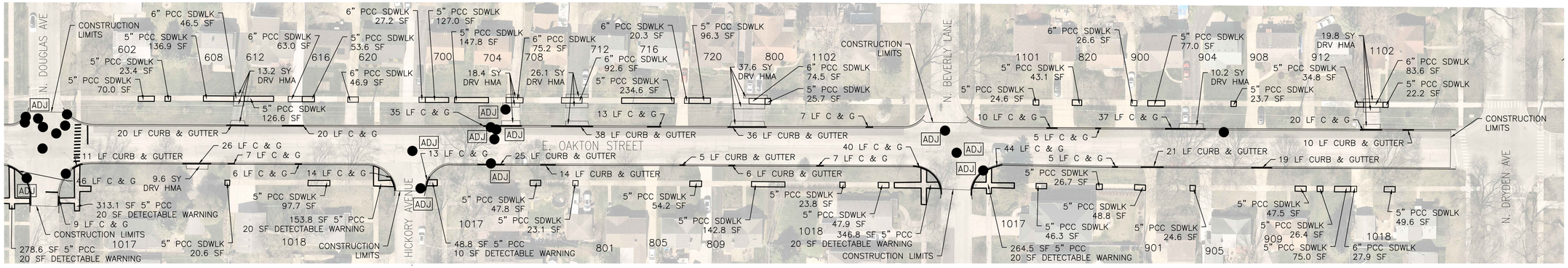
VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

VIATOR CT., DERBYSHIRE DRIVE
RESURFACING PROGRAM

SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	12
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		





OAKTON ST			
ITEM. NO.	**ITEM**	**UNIT**	**PLAN QTY**
1	Combination Concrete Curb & Gutter Removal & Replacement	FT	1610.00
2	PCC Sidewalk Removal & Replacement, 5"	SF	5967.00
3	PCC Sidewalk Removal & Replacement, 6"	SF	1551.00
4	PCC Sidewalk Removal	SF	
5	Bituminous Concrete Driveway Removal & Replacement	SY	268.22
6	PCC Driveway Removal & Replacement, 6"	SY	48.89
7	Bituminous Surface Removal, 2"	SY	
8	Bituminous Surface Removal, 3"	SY	10000.00
9	Catch Basin, Type A, 4' Dia	EA	
10	Inlet, Type A, 2' Dia	EA	
11	Structures to be Reconstructed	EA	2.00
12	Frames & Lids to be Adjusted	EA	30.00
13	Change Frame & Lids	EA	4.00
14	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	840.00
15	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	840.00
16	Bituminous Materials (Tack Coat)	LB	4500.00
17	Mixture for Joints, Cracks & Flangeways	TON	
18	Class D Patches, Hot Mix Asphalt, Special	SY	1500.00
19	Topsoil & Hydroseed, Special	FT	1610.00
20	Topsoil & Sod	SY	
21	Parkway Regrading, Special	SY	
22	Thermoplastic Pavement Marking - Line 24"	FT	24.00
23	Thermoplastic Pavement Marking - Line 12"	FT	120.00
24	Thermoplastic Pavement Marking - Line 6"	FT	100.00
25	Thermoplastic Pavement Marking - Line 4"	FT	490.00
26	Thermoplastic Pavement Marking - Line Symbols	SF	36.40
27	Detectable Warnings	SF	110.00
28	Traffic Control & Protection	L SUM	
1Z	Detector Loop Replacement	FT	167.00
2Z	Longitudinal Joint Sealant	FT	3,400.00

SURFACE REMOVAL 9984.6 SQ YDS

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PLAN / PROFILE

BY	DATE
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R.M. NOTED	
STRUCTURE NOTATNS	CHKD

NOTE BOOK
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	PLOT SCALE = 50.00' / IN.	CHECKED - JM	REVISED -
	PLOT DATE =Feb 11, 2025-11:29am	DATE - 01/05/2025	REVISED -

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

E. OAKTON STREET
RESURFACING PROGRAM

SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	13
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

PLAN | BY | DATE
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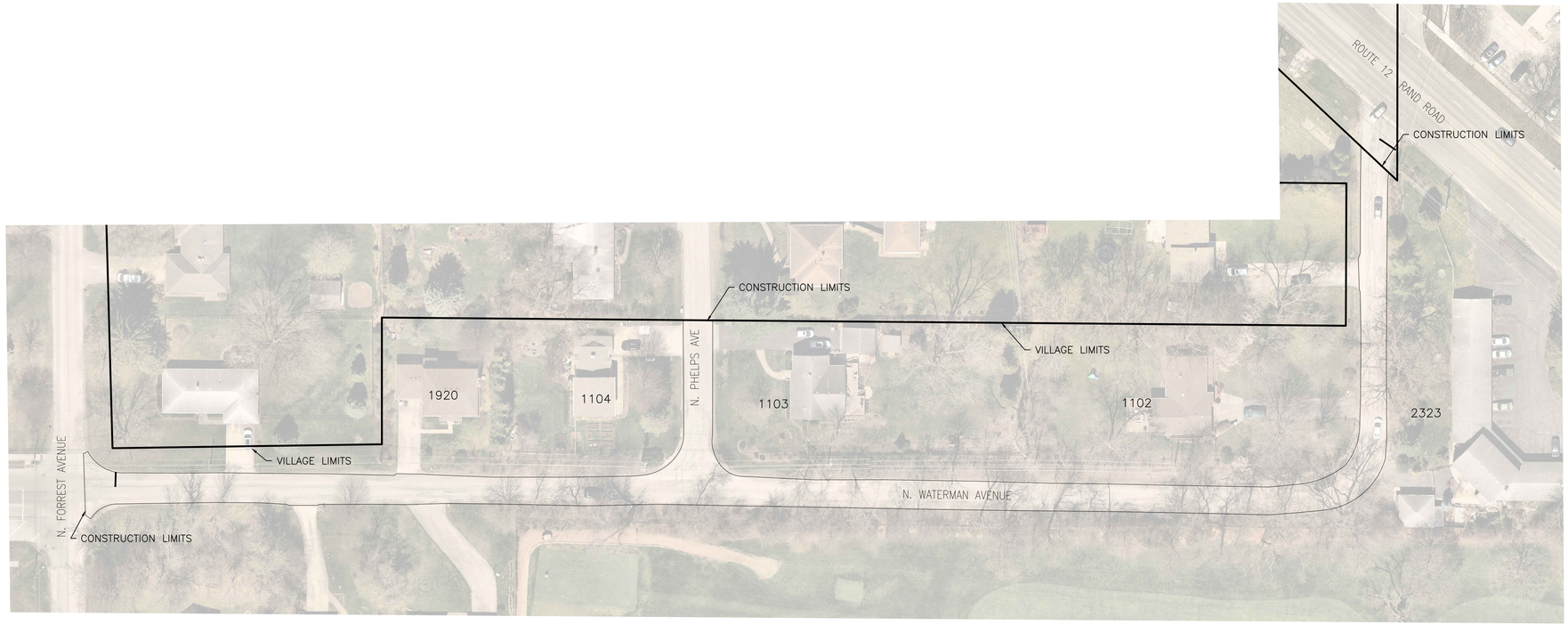
NOTE BOOK | CROSS SECTIONS | GRADES | STRUCTURE NOTATNS
NO. ____ | R.O.W. NOTED



PROFILE | BY | DATE
SURVEYED | DRAWN | CHECKED | CHKD
NOTE BOOK | CROSS SECTIONS | GRADES | STRUCTURE NOTATNS
NO. ____ | R.O.W. NOTED

OKATON ST/WATERMAN AVE

ITEM. NO.	ITEM	UNIT	PLAN QTY
1	Combination Concrete Curb & Gutter Removal & Replacement	FT	
2	PCC Sidewalk Removal & Replacement, 5"	SF	
3	PCC Sidewalk Removal & Replacement, 6"	SF	
4	PCC Sidewalk Removal	SF	
5	Bituminous Concrete Driveway Removal & Replacement	SY	
6	PCC Driveway Removal & Replacement, 6"	SY	
7	Bituminous Surface Removal, 2"	SY	3200.00
8	Bituminous Surface Removal, 3"	SY	
9	Catch Basin, Type A, 4' Dia	EA	
10	Inlet, Type A, 2' Dia	EA	
11	Structures to be Reconstructed	EA	
12	Frames & Lids to be Adjusted	EA	5.00
13	Change Frame & Lids	EA	
14	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	
15	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	358.40
16	Bituminous Materials (Tack Coat)	LB	1440.00
17	Mixture for Joints, Cracks & Flangeways	TON	
18	Class D Patches, Hot Mix Asphalt, Special	SY	640.00
19	Topsoil & Hydroseed, Special	FT	
20	Topsoil & Sod	SY	
21	Parkway Regrading, Special	SY	
22	Thermoplastic Pavement Marking - Line 24"	FT	
23	Thermoplastic Pavement Marking - Line 12"	FT	
24	Thermoplastic Pavement Marking - Line 6"	FT	
25	Thermoplastic Pavement Marking - Line 4"	FT	892.00
26	Thermoplastic Pavement Marking - Line Symbols	SF	
27	Detectable Warnings	SF	
28	Traffic Control & Protection	L SUM	

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SURFACE REMOVAL 3137.2 SQ YDS

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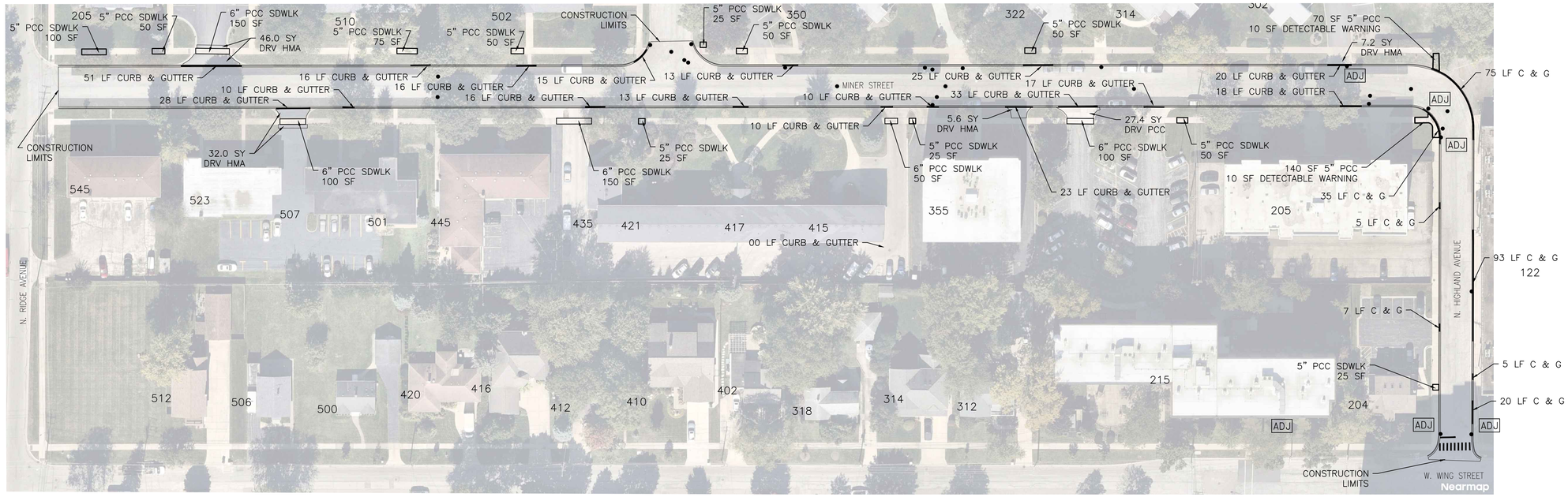
	PLOT SCALE = 50.00' / IN.	CHECKED - JM	REVISED -
	PLOT DATE =Feb 11, 2025-11:29am	DATE - 01/05/2025	REVISED -

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

E. OAKTON STREET & N. WATERMAN STREET
RESURFACING PROGRAM

SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	14
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		



HIGLAND AVE/MINER ST			
ITEM. NO.	ITEM	UNIT	PLAN QTY
1	Combination Concrete Curb & Gutter Removal & Replacement	FT	576.00
2	PCC Sidewalk Removal & Replacement, 5"	SF	711.00
3	PCC Sidewalk Removal & Replacement, 6"	SF	527.00
4	PCC Sidewalk Removal	SF	
5	Bituminous Concrete Driveway Removal & Replacement	SY	77.78
6	PCC Driveway Removal & Replacement, 6"	SY	41.89
7	Bituminous Surface Removal, 2"	SY	
8	Bituminous Surface Removal, 3"	SY	5269.00
9	Catch Basin, Type A, 4' Dia	EA	
10	Inlet, Type A, 2' Dia	EA	
11	Structures to be Reconstructed	EA	
12	Frames & Lids to be Adjusted	EA	10.00
13	Change Frame & Lids	EA	2.00
14	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	442.60
15	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	442.60
16	Bituminous Materials (Tack Coat)	LB	2371.05
17	Mixture for Joints, Cracks & Flangeways	TON	20.00
18	Class D Patches, Hot Mix Asphalt, Special	SY	790.35
19	Topsoil & Hydroseed, Special	FT	576.00
20	Topsoil & Sod	SY	
21	Parkway Regrading, Special	SY	
22	Thermoplastic Pavement Marking - Line 24"	FT	
23	Thermoplastic Pavement Marking - Line 12"	FT	67.00
24	Thermoplastic Pavement Marking - Line 6"	FT	
25	Thermoplastic Pavement Marking - Line 4"	FT	
26	Thermoplastic Pavement Marking - Line Symbols	SF	
27	Detectable Warnings	SF	20.00
28	Traffic Control & Protection	L SUM	

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PLAN
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NOTE BOOK
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STRUCTURE NO/ATN'S CH'KD
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PROFILE
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DRAWN/CHECKED
NOTE BOOK
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STRUCTURE NO/ATN'S CH'KD
BY
DATE

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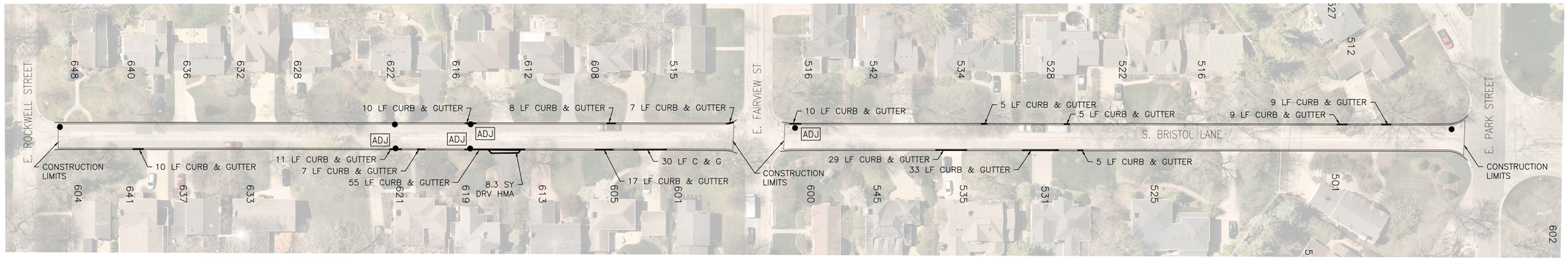
	PLOT DATE =Feb 11, 2025–11:29am	DATE – 01/05/2025	REVISED –

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

N. HIGHLAND AVENUE & MINER STREET
RESURFACING PROGRAM

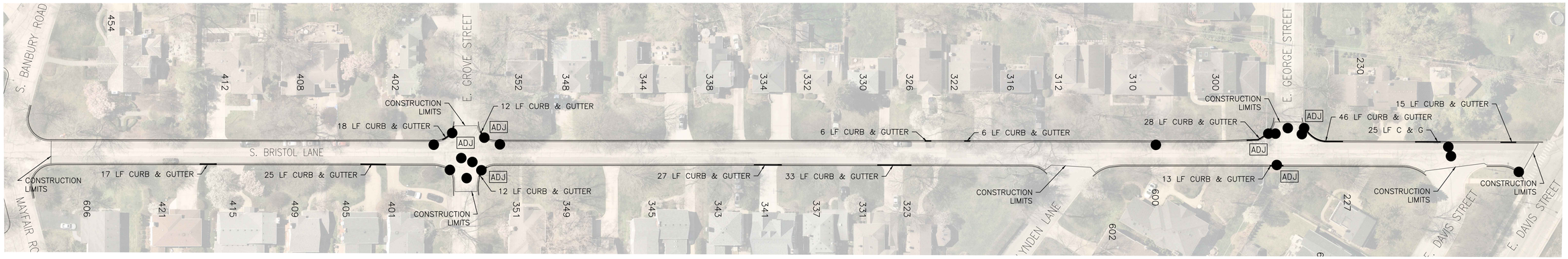
SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	15
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		



SURFACE REMOVAL 1489.7 SQ YDS

SURFACE REMOVAL 1508.0 SQ YDS



3813.7 SQ YDS

BRISTOL LN			
ITEM. NO.	ITEM	UNIT	PLAN QTY
1	Combination Concrete Curb & Gutter Removal & Replacement	FT	550.00
2	PCC Sidewalk Removal & Replacement, 5"	SF	0.00
3	PCC Sidewalk Removal & Replacement, 6"	SF	0.00
4	PCC Sidewalk Removal	SF	
5	Bituminous Concrete Driveway Removal & Replacement	SY	8.33
6	PCC Driveway Removal & Replacement, 6"	SY	0.00
7	Bituminous Surface Removal, 2"	SY	6920.00
8	Bituminous Surface Removal, 3"	SY	
9	Catch Basin, Type A, 4' Dia	EA	
10	Inlet, Type A, 2' Dia	EA	
11	Structures to be Reconstructed	EA	
12	Frames & Lids to be Adjusted	EA	10.00
13	Change Frame & Lids	EA	
14	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	0.00
15	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	775.04
16	Bituminous Materials (Tack Coat)	LB	3114.00
17	Mixture for Joints, Cracks & Flangeways	TON	
18	Class D Patches, Hot Mix Asphalt, Special	SY	692.00
19	Topsoil & Hydroseed, Special	FT	550.00
20	Topsoil & Sod	SY	
21	Parkway Regrading, Special	SY	
22	Thermoplastic Pavement Marking - Line 24"	FT	
23	Thermoplastic Pavement Marking - Line 12"	FT	
24	Thermoplastic Pavement Marking - Line 6"	FT	
25	Thermoplastic Pavement Marking - Line 4"	FT	
26	Thermoplastic Pavement Marking - Line Symbols	SF	
27	Detectable Warnings	SF	
28	Traffic Control & Protection	L SUM	

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PLAN / PROFILE
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GRADES CHECKED
NOTE BOOK
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STRUCTURE NOTATNS CH'KD
BY
DATE

FILE NAME = 2025 RESURF.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME =BRISTOL	DRAWN – CH	REVISED –
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	PLOT DATE =Feb 11, 2025–11:30am	DATE – 01/05/2025	REVISED –

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

S. BRISTOL LANE
RESURFACING PROGRAM

SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	16
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

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PLAN

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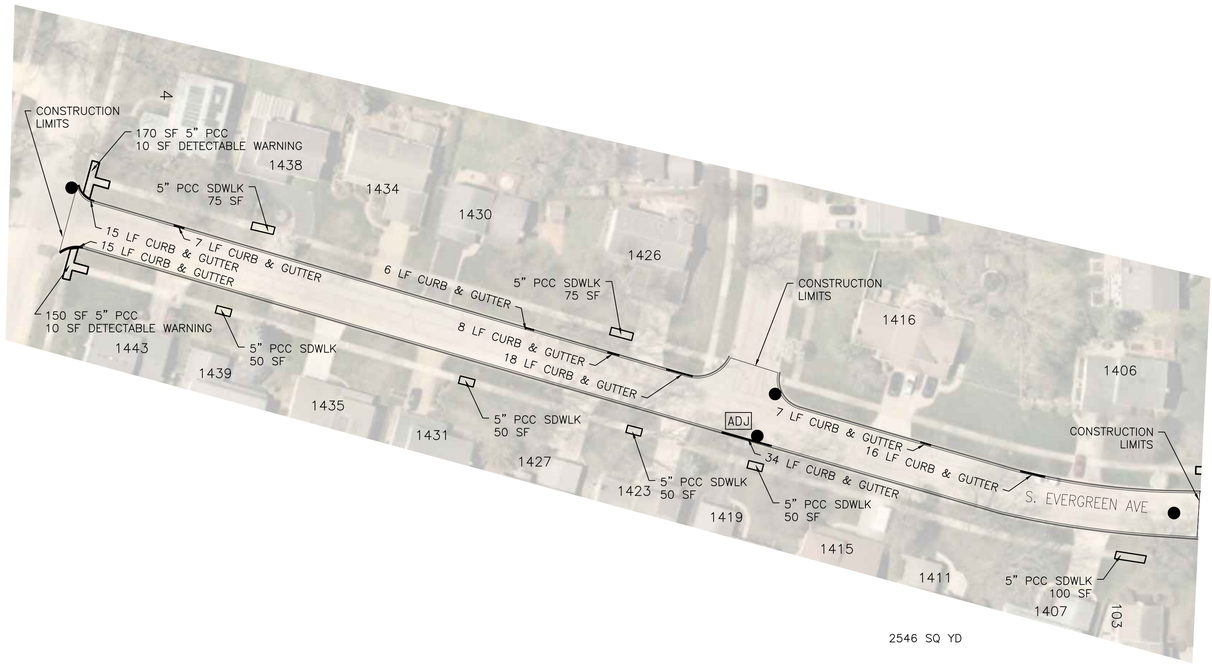
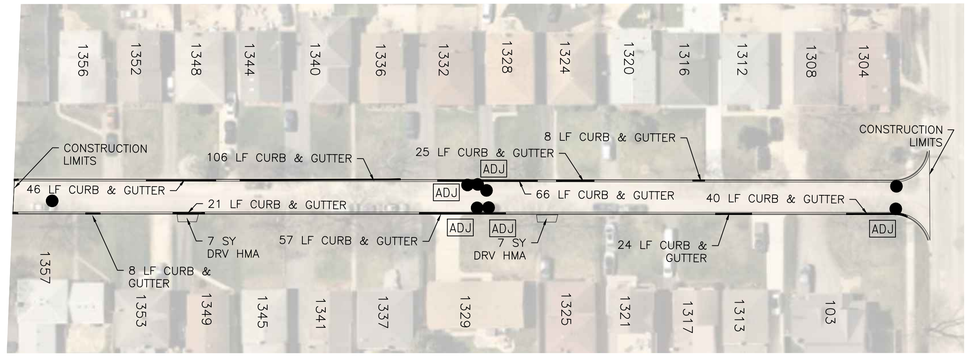


2546 SQ YD



1377 SQ YD

EVERGREEN AVE

ITEM. NO.	ITEM	UNIT	PLAN QTY
1	Combination Concrete Curb & Gutter Removal & Replacement	FT	527.00
2	PCC Sidewalk Removal & Replacement, 5"	SF	765.00
3	PCC Sidewalk Removal & Replacement, 6"	SF	
4	PCC Sidewalk Removal	SF	
5	Bituminous Concrete Driveway Removal & Replacement	SY	13.89
6	PCC Driveway Removal & Replacement, 6"	SY	
7	Bituminous Surface Removal, 2"	SY	3923.00
8	Bituminous Surface Removal, 3"	SY	
9	Catch Basin, Type A, 4' Dia	EA	
10	Inlet, Type A, 2' Dia	EA	
11	Structures to be Reconstructed	EA	2.00
12	Frames & Lids to be Adjusted	EA	8.00
13	Change Frame & Lids	EA	1.00
14	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	
15	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	439.38
16	Bituminous Materials (Tack Coat)	LB	2200.00
17	Mixture for Joints, Cracks & Flangeways	TON	
18	Class D Patches, Hot Mix Asphalt, Special	SY	392.30
19	Topsoil & Hydroseed, Special	FT	527.00
20	Topsoil & Sod	SY	
21	Parkway Regrading, Special	SY	
22	Thermoplastic Pavement Marking - Line 24"	FT	
23	Thermoplastic Pavement Marking - Line 12"	FT	
24	Thermoplastic Pavement Marking - Line 6"	FT	
25	Thermoplastic Pavement Marking - Line 4"	FT	
26	Thermoplastic Pavement Marking - Line Symbols	SF	
27	Detectable Warnings	SF	20.00
28	Traffic Control & Protection	L SUM	

N

PROFILE

SURVEYED	
PLOTTED	
GRADES CHECKED	
NOTE BOOK	
NO. ----------	STRUCTURE NOTATNS CH'KD

BY | DATE

T:\1 CADD dwg\1 Resurfacing\2025\dwg\

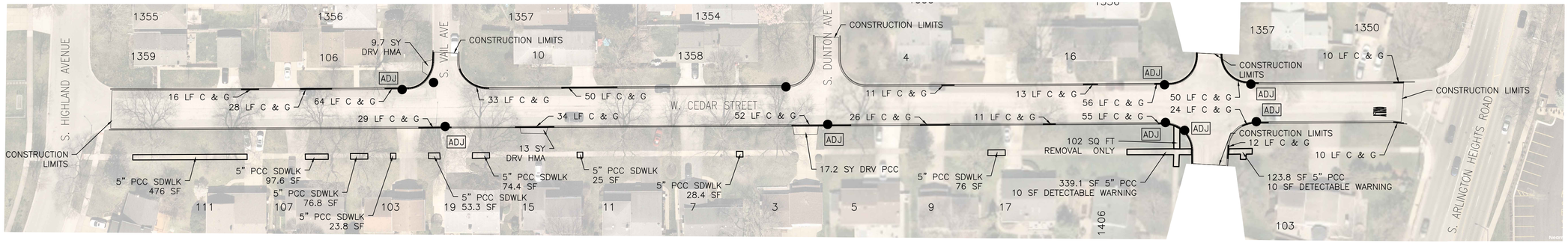
FILE NAME = 2025 RESURF.dwg	USER NAME = chomuth	DESIGNED - AS	REVISED -
	LAYOUT NAME =S EVERGREEN	DRAWN - CH	REVISED -
	PLOT SCALE = 50.00' / IN.	CHECKED - JM	REVISED -
	PLOT DATE =Feb 11, 2025-11:30am	DATE - 01/05/2025	REVISED -

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

S. EVERGREEN AVENUE
RESURFACING PROGRAM

SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	17
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		



CDBG (CEDAR ST)			
ITEM. NO.	**ITEM**	**UNIT**	**PLAN QTY**
1A	Combination Concrete Curb & Gutter Removal & Replacement	FT	582.00
2A	PCC Sidewalk Removal & Replacement, 5"	SF	1496.00
3A	PCC Sidewalk Removal	SF	102.00
4A	Bituminous Concrete Driveway Removal & Replacement	SY	13.00
5A	PCC Driveway Removal & Replacement, 6"	SY	17.22
6A	Bituminous Surface Removal, 2"	SY	4700.00
7A	Structures to be Reconstructed	EA	2.00
8A	Frames & Lids to be Adjusted	EA	8.00
9A	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	526.40
10A	Bituminous Materials (Tack Coat)	LB	2115.00
11A	Mixture for Joints, Cracks & Flangeways	TON	20.00
12A	Class D Patches, Hot Mix Asphalt, Special	SY	470.00
13A	Topsoil & Hydroseed, Special	FT	87.30
14A	Topsoil & Sod	SY	20.00
15A	Parkway Regrading, Special	SY	20.00
16A	Thermoplastic Pavement Marking - Line Symbols	SF	20.80
17A	Detectable Warnings	SF	20.00
18A	Traffic Control & Protection	L SUM	1.00

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SURFACE REMOVAL 4660.6 SQ YDS

PLAN / PROFILE

	BY	DATE
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PLOTTED		
GRADES CHECKED		
NOTE BOOK		
NO. ———	STRUCTURE NOTATNS CH'KD	

FILE NAME = 2025 RESURF.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME =CEDAR	DRAWN – CH	REVISED –
	PLOT SCALE = 50.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE =Feb 11, 2025–11:30am	DATE – 01/05/2025	REVISED –

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

WEST CEDAR STREEET
RESURFACING PROGRAM

SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	18
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

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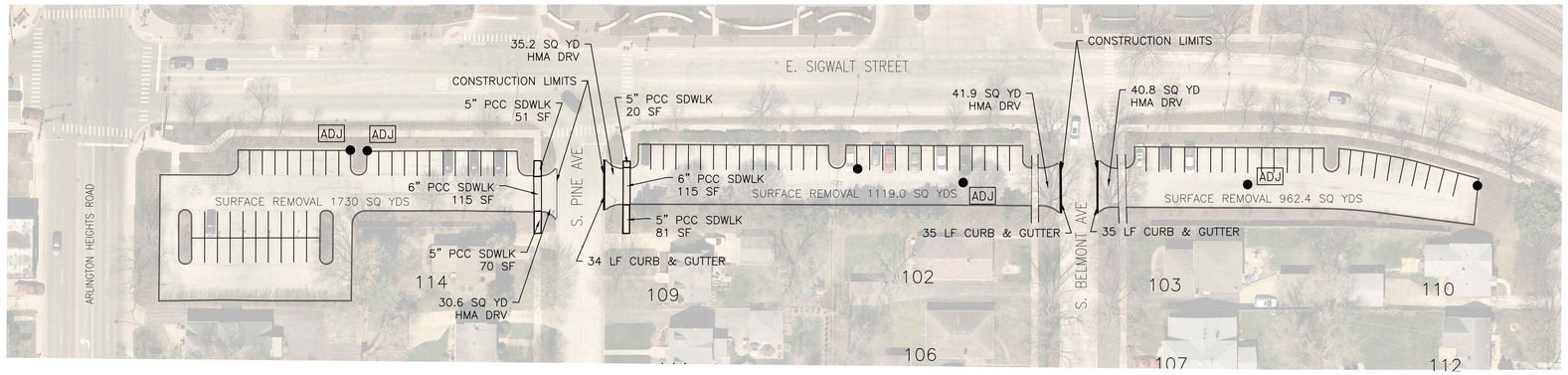

2025 PARKING LOTS			
ITEM. NO.	**ITEM**	**UNIT**	**PLAN QTY**
1P	Combination Concrete Curb & Gutter Removal & Replacement	FT	110.00
2P	PCC Sidewalk Removal & Replacement, 5"	SF	223.00
3P	PCC Sidewalk Removal & Replacement, 6"	SF	231.00
4P	Bituminous Concrete Driveway Removal & Replacement	SY	148.60
5P	Bituminous Surface Removal, 2"	SY	3860.00
6P	Frames & Lids to be Adjusted	EA	3.00
7P	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	432.32
8P	Bituminous Materials (Tack Coat)	LB	1737.00
9P	Topsoil & Hydroseed, Special	FT	110.00
10P	Thermoplastic Pavement Marking - Line 4"	FT	1700.00
11P	Detectable Warnings	SF	160.00
12P	Traffic Control & Protection	L SUM	1.00

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PLAN
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STRUCTURE NOTATNS CH'KD
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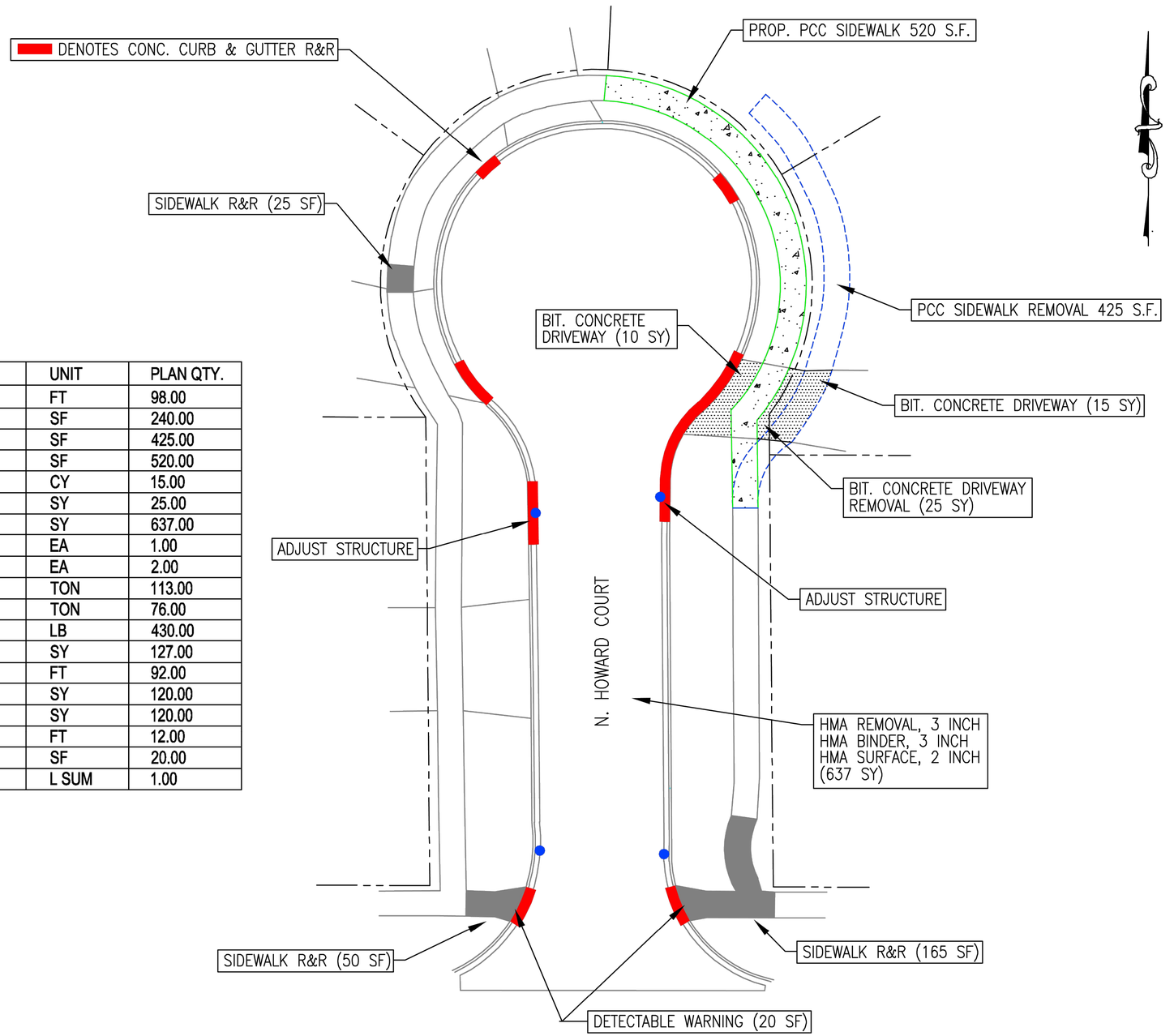
FILE NAME = 2025 RESURF.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –	**VILLAGE OF ARLINGTON HEIGHTS PUBLIC WORKS DEPARTMENT**	**VILLAGE HALL PARKING LOTS RESURFACING PROGRAM**		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAYOUT NAME = VILLAGE HALL PARKING	DRAWN – CH	REVISED –						COOK	62	19
	PLOT SCALE = 50.00' / IN.	CHECKED – JM	REVISED –						CONTRACT NO.		
	PLOT DATE = Feb 11, 2025–11:30am	DATE – 01/05/2025	REVISED –		SCALE: 1"=50'	SHEET NO. 1 OF 1 SHEETS	FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

2025 ROAD PROGRAM

ITEM NO.	ITEM	UNIT	PLAN QTY.
1C	Combination Concrete Curb & Gutter Removal & Replacement	FT	98.00
2C	PCC Sidewalk Removal & Replacement, 5"	SF	240.00
4C	PCC Sidewalk Removal	SF	425.00
5C	PCC Sidewalk 5"(With 6" of CA-6 Subbase)	SF	520.00
6C	Earth Excavation	CY	15.00
7C	Bituminous Concrete Driveway Removal & Replacement	SY	25.00
10C	Bituminous Surface Removal, 3"	SY	637.00
13C	Structures to be Reconstructed	EA	1.00
14C	Frames & Lids to be Adjusted	EA	2.00
16C	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	113.00
17C	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	76.00
18C	Bituminous Materials (Tack Coat)	LB	430.00
20C	Class D Patches, Hot Mix Asphalt, Special	SY	127.00
21C	Topsoil & Hydroseed, Special	FT	92.00
22C	Topsoil & Sod	SY	120.00
23C	Parkway Regrading, Special	SY	120.00
24C	Thermoplastic Pavement Marking - Line 24"	FT	12.00
29C	Detectable Warnings	SF	20.00
30C	Traffic Control & Protection	L SUM	1.00



NOTE: DETECTABLE WARNINGS SHALL BE UP TO CCDOTH STANDARDS

Doland ENGINEERING

PLAN / PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, NOTE BOOK, NO. ——— — BY, DATE — STRUCTURE NOTATNS CH'KD

FILE NAME = 2025 RESURF.dwg	USER NAME = chomuth	DESIGNED –	REVISED –
	LAYOUT NAME =HOWARD CT	DRAWN –	REVISED –
	PLOT SCALE = 50.00' / IN.	CHECKED –	REVISED –
	PLOT DATE =Feb 11, 2025-11:30am	DATE – 01/05/2025	REVISED –

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

HOWARD COURT
RESURFACING PROGRAM

SCALE: | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	20
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

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PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	DRAWN/CHECKED		
NO. ———	STRUCTURE NOTATNS CH'KD		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	DRAWN/CHECKED		
NO. ———	STRUCTURE NOTATNS CH'KD		

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BENCHMARK: EXTG. M.H. RIM = 710.0

FILE NAME = 2025 RESURF.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME =CHICAGO – HAWTHORNE DITCH & STM SEWER	DRAWN – CH	REVISED –
	PLOT SCALE = 50.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE =Feb 11, 2025–11:30am	DATE – 01/05/2025	REVISED –

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

CHICAGO AVE. & W. HAWTHORNE STREET
DITCH GRADING AND STORM SEWER

SCALE: 1"=80' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	21
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

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SURFACE REMOVAL 11588 SQ YDS

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ALTERNATE (CHICAGO-HAWTHORNE-VINE-HARVARD)			
ITEM. NO.	ITEM	UNIT	PLAN QTY
1B	Bituminous Surface Removal, 2"	SY	12180.00
2B	Catch Basin, TY A, 4' Dia, Type 8 Grate	EA	1.00
3B	Storm Sewer, PVC SDR-26, Type 2, 12"	FT	90.00
4B	Core & Boot Existing Structure	EA	1.00
5B	Trench Backfill	CY	30.00
6B	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	1364.16
7B	Bituminous Materials (Tack Coat)	LB	584.64
8B	Mixture for Joints, Cracks & Flangeways	TON	20.00
9B	Class D Patches, Hot Mix Asphalt, Special	SY	1218.00
10B	Temporary Erosion Control Blanket	SY	1350.00
11B	Topsoil, Furnish and Place 4"	SY	1350.00
12B	Grading And Shaping Ditches	SY	520.00
13B	Thermoplastic Pavement Marking - Line 24"	FT	30.00
14B	Traffic Control & Protection	L SUM	1.00
15B	PCC Driveway Removal & Replacement, 6"	SY	19.30
17B	Seeding, Class 1 A	SY	1350.00

PLAN
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PLOTTED
DRAWN CHECKED
QUANTITIES
STRUCTURE NO TAT'NS CH'KD
BY
DATE

PROFILE
NOTE BOOK
NO. ———
SURVEYED
PLOTTED
DRAWN CHECKED
QUANTITIES
STRUCTURE NO TAT'NS CH'KD
BY
DATE

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FILE NAME = 2025 RESURF.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME =CHICAGO – HAWTHORNE–VINE–HARVARD	DRAWN – CH	REVISED –
	PLOT SCALE = 50.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE =Feb 11, 2025–11:30am	DATE – 01/05/2025	REVISED –

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

CHICAGO AVE., W. HAWTHORNE STREET, W VINE STREET & N. HARVARD AVE
RESURFACING PROGRAM

SCALE: 1"=80' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	62	22
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

ABV	ABOVE
A/C	ACCESS CONTROL
AC	ACRE
ADJ	ADJUST
AS	AERIAL SURVEYS
AGG	AGGREGATE
AH	AHEAD
APT	APARTMENT
ASPH	ASPHALT
AUX	AUXILIARY
AGS	AUXILIARY GAS VALVE (SERVICE)
AVE	AVENUE
AX	AXIS OF ROTATION
BK	BACK
B-B	BACK TO BACK
BKPL	BACKPLATE
B	BARN
BARR	BARRICADE
BL	BASELINE
BGN	BEGIN
BM	BENCHMARK
BIND	BINDER
BIT	BITUMINOUS
BTM	BOTTOM
BLVD	BOULEVARD
BRK	BRICK
BBOX	BUFFALO BOX
BLDG	BUILDING
CATV	CABLE
CIP	CAST IRON PIPE
CB	CATCH BASIN
C-C	CENTER TO CENTER
CL	CENTERLINE OR CLEARANCE
CL-E	CENTERLINE TO EDGE
CL-F	CENTERLINE TO FACE
CTS	CENTERS
CERT	CERTIFIED
CHSLD	CHISELED
CS	CITY STREET
CP	CLAY PIPE
CLSD	CLOSED
CLID	CLOSED LID
CT	COAT OR COURT
COMB	COMBINATION
C	COMMERCIAL BUILDING
CE	COMMERCIAL ENTRANCE
CONC	CONCRETE
CONST	CONSTRUCT
CONTD	CONTINUED
CONT	CONTINUOUS
COR	CORNER
CORR	CORRUGATED
CMP	CORRUGATED METAL PIPE
CNTY	COUNTY
CH	COUNTY HIGHWAY
CSE	COURSE
XSECT	CROSS SECTION
m^3	CUBIC METER
mm^3	CUBIC MILLIMETER
CU YD	CUBIC YARD
CULV	CULVERT
C&G	CURB & GUTTER
D	DEGREE OF CURVE
DC	DEPRESSED CURVE
DET	DETECTOR
DIA	DIAMETER
DIST	DISTRICT
DOM	DOMESTIC
DBL	DOUBLE
DSEL	DOWNSTREAM ELEVATION
DSFL	DOWNSTREAM FLOWLINE
DR	DRAINAGE OR DRIVE
DI	DRAINAGE INLET OR DROP INLET
DRV	DRIVEWAY
DCT	DUCT
EA	EACH
EB	EASTBOUND
EOP	EDGE OF PAVEMENT
E-CL	EDGE TO CENTERLINE
E-E	EDGE TO EDGE
ELEC	ELECRICAL
EL	ELEVATION
ENTR	ENTRANCE
EXC	EXCAVATION
EX	EXISTING
EXPWAY	EXPRESSWAY
E	EXTERNAL DISTANCE OF HORIZONTAL CURVE
E	OFFSET DISTANCE TO VERTICAL CURVE
F-F	FACE TO FACE
FA	FEDERAL AID
FAI	FEDERAL AID INTERSTATE
FAP	FEDERAL AID PRIMARY
FAS	FEDERAL AID SECONDARY
FAUS	FEDERAL AID URBAN SECONDARY
FP	FENCE POST
OPT	FIBER OPTIC
FE	FIELD ENTRANCE
FH	FIRE HYDRANT
FL	FLOW LINE
FB	FOOT BRIDGE
FDN	FOUNDATION
FR	FRAME
F&G	FRAME & GRATE
FRWAY	FREEWAY
GAL	GALLON
GALV	GALVANIZED
G	GARAGE
GM	GAS METER
GV	GAS VALVE
GIS	GEOGRAPHICAL INFORMATION SYSTEM
GRAN	GRANULAR
GR	GRATE
GRVL	GRAVEL
GND	GROUND
GUT	GUTTER
GP	GUY POLE
GW	GUY WIRE
HH	HANDHOLE
HATCH	HATCHING
HD	HEAD
HDW	HEADWALL
HDUTY	HEAVY DUTY
ha	HECTARE
HMA	HOT MIX ASPHALT
HWY	HIGHWAY
HORIZ	HORIZONTAL
HSE	HOUSE
IL	ILLINOIS
IMP	IMPROVEMENT
IN DIA	INCH DIAMETER
INL	INLET
INST	INSTALLATION
IDS	INTERSECTION DESIGN STUDY
INV	INVERT
IP	IRON PIPE
IR	IRON ROD
JT	JOINT
kg	KILOGRAM
km	KILOMETER
LS	LANDSCAPING
LN	LANE
LT	LEFT
LIDAR	LIGHT DETECTION AND RANGING
LP	LIGHT POLE
LGT	LIGHTING
LF	LINEAL FEET OR LINEAR FEET
L	LITER OR CURVE LENGTH
LC	LONG CHORD
LNG	LONGITUDINAL
L SUM	LUMP SUM
MACH	MACHINE
MB	MAIL BOX
MH	MANHOLE
MATL	MATERIAL
MED	MEDIAN
m	METER
METH	METHOD
M	MID-ORDINATE
mm	MILLIMETER
mm DIA	MILLIMETER DIAMETER
MIX	MIXTURE
MBH	MOBILE HOME
MOD	MODIFIED
MFT	MOTOR FUEL TAX
N & BC	NAIL & BOTTLE CAP
N & C	NAIL & CAP
N & W	NAIL & WASHER
NC	NORMAL CROWN
NB	NORTHBOUND
NE	NORTHEAST
NW	NORTHWEST
O/S	OFFSET
O&C	OIL AND CHIP
OLID	OPEN LID
PAT	PATTERN
PVD	PAVED
PVMT	PAVEMENT
PM	PAVEMENT MARKING
PED	PEDESTAL
PNT	POINT
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION OF HORIZONTAL CURVE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENCY
POT	POINT ON TANGENT
POLYETH	POLYETHYLENE
PCC	PORTLAND CEMENT CONCRETE
PP	POWER POLE OR PRINCIPAL POINT
PRM	PRIME
PE	PRIVATE ENTRANCE
PROF	PROFILE
PGL	PROFILE GRADELINE
PROJ	PROJECT
P.C.	PROPERTY CORNER
PL	PROPERTY LINE
PR	PROPOSED
R	RADIUS or RESIDENTUAL
RR	RAILROAD
RRS	RAILROAD SPIKE
RPS	REFERENCE POINT STAKE
REF	REFLECTIVE
RCCP	REINFORCED CONCRETE CULVERT PIPE
REINF	REINFORCEMENT
REM	REMOVAL
RC	REMOVE CROWN
REP	REPLACEMENT
REST	RESTAURANT
RESURF	RESURFACING
RET	RETAINING
RT	RIGHT
ROW	RIGHT-OF-WAY
RD	ROAD
RDWY	ROADWAY
RTE	ROUTE
SAN	SANITARY
SANS	SANITARY SEWER
SEC	SECTION
SEED	SEEDING
SHAP	SHAPING
S	SHED
SH	SHEET
SHLD	SHOULDER
SW	SIDEWALK OR SOUTHWEST
SIG	SIGNAL
SOD	SODDING
SM	SOLID MEDIAN
SB	SOUTHBOUND
SE	SOUTHEAST
SPL	SPECIAL
SD	SPECIAL DITCH
SQ FT	SQUARE FEET
m^2	SQUARE METER
mm^2	SQUARE MILLIMETER
SQ YD	SQUARE YARD
STB	STABILIZED
STD	STANDARD
SBI	STATE BOND ISSUE
SR	STATE ROUTE
STA	STATION
SPBGR	STEEL PLATE BEAM GUARDRAIL
SS	STORM SEWER
STY	STORY
ST	STREET
STR	STRUCTURE
e	SUPERELEVATION RATE
S.E. RUN.	SUPERELEVATION RUNOFF LENGTH
SURF	SURFACE
SMK	SURVEY MARKER
T	TANGENT DISTANCE
T.R.	TANGENT RUNOUT DISTANCE
TEL	TELEPHONE
TB	TELEPHONE BOX
TP	TELEPHONE POLE
TEMP	TEMPORARY
TBM	TEMPORARY BENCH MARK
TD	TILE DRAIN
TBE	TO BE EXTENDED
TBR	TO BE REMOVED
TBS	TO BE SAVED
TWP	TOWNSHIP
TR	TOWNSHIP ROAD
TS	TRAFFIC SIGNAL
TSCB	TRAFFIC SIGNAL CONTROL BOX
TSC	TRAFFIC SYSTEMS CENTER
TRVS	TRANSVERSE
TRVL	TRAVEL
TRN	TURN
TY	TYPE
T-A	TYPE A
TYP	TYPICAL
UNDGND	UNDERGROUND
USGS	U.S. GEOLOGICAL SURVEY
USEL	UPSTREAM ELEVATION
USFL	UPSTREAM FLOWLINE
UTIL	UTILITY
VBOX	VALVE BOX
VV	VALVE VAULT
VLT	VAULT
VEH	VEHICLE
VP	VENT PIPE
VERT	VERTICAL
VC	VERTICAL CURVE
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
WM	WATER METER
WV	WATER VALVE
WMAIN	WATER MAIN
WB	WESTBOUND
WILDFL	WILDFLOWERS
W	WITH
WO	WITHOUT

PLAN / PROFILE
SURVEYED BY
DRAWN BY
NOTE BOOK
NO. _____
GRADES CHECKED BY
B.M. NOTED BY
STRUCTURE NOTATNS CH'KD BY
DATE

Illinois Department of Transportation

PASSED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-21	Updated fonts, abbreviations and symbols.
1-1-19	Added new symbols.

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 1 of 9)

STANDARD 000001-08

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED - AS	REVISED -
	LAYOUT NAME = 000001-08 1	DRAWN - CH	REVISED -
	PLOT SCALE = 20.00' / IN.	CHECKED - JM	REVISED -
	PLOT DATE = Feb 11, 2025-11:31am	DATE - 01-05-2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

000001-08 STANDARD SYMBOLS, ABBREVIATION, & PATTERNS

SCALE: VERT. N/A | SHEET NO. 1 OF 9 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	23
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

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PLAN	BY	DATE
SURVEYED		
DRAWN		
GRADES CHECKED		
R.M. NOTED		
STRUCTURE NOTATNS CH'KD		
NOTE BOOK		
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PROFILE	BY	DATE
SURVEYED		
DRAWN		
GRADES CHECKED		
R.M. NOTED		
STRUCTURE NOTATNS CH'KD		
NOTE BOOK		
NO. ____		

ADJUSTMENT ITEMS

	EX	PR
Structure To Be Adjusted		ADJ
Structure To Be Cleaned		C
Main Structure To Be Filled		FM
Structure To Be Filled		F
Structure To Be Filled Special		FSP
Structure To Be Removed		R
Structure To Be Reconstructed		REC
Structure To Be Reconstructed Special		RSP
Frame and Grate To Be Adjusted		A
Frame and Lid To Be Adjusted		A
Domestic Service Box To Be Adjusted		A
Valve Vault To Be Adjusted		A
Special Adjustment		SP
Item To Be Abandoned		AB
Item To Be Moved		M
Item To Be Relocated		REL
Pavement Removal and Replacement		

Illinois Department of Transportation

PASSED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

ALIGNMENT ITEMS

	EX	PR
Baseline		
Centerline		
Centerline Break Circle		
Baseline Symbol		
Centerline Symbol		
PI Indicator		
Point Indicator		
Horizontal Curve Data (Half Size)	EX. CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=	CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=

BOUNDARIES ITEMS

	EX	PR
Dashed Property Line		
Solid Property/Lot Line		
Section/Grant Line		
Quarter Section Line		
Quarter/Quarter Section Line		
County/Township Line		
State Line		
Chiseled Square Found		
Iron Pipe Found		
Iron Pipe Set		
Survey Marker		
Property Line Symbol		
Same Ownership Symbol (Half Size)		
Northwest Quarter Corner (Half Size)		
Section Corner (Half Size)		
Southeast Quarter Corner (Half Size)		

DRAINAGE ITEMS

	EX	PR
Channel or Stream Line		
Culvert Line		
Grading & Shaping Ditches		
Drainage Boundary Line		
Paved Ditch		
Aggregate Ditch		
Pipe Underdrain		
Storm Sewer		
Flowline		
Ditch Check		
Headwall		
Inlet		
Manhole		
Summit		
Roadway Ditch Flow		
Swale		
Catch Basin		
Culvert End Section		
Water Surface Indicator		
Riprap		

HYDRAULICS ITEMS

	EX	PR
Overflow		
Sheet Flow		
Hydrant Outlet		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 2 of 9)

STANDARD 000001-08

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 000001-08 2	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025-11:31am	DATE – 01-05-2025	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

000001-08 STANDARD SYMBOLS, ABBREVIATION, & PATTERNS

SCALE: VERT. N/A | SHEET NO. 2 OF 9 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	24
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

T:\1 CADD dwg\1 Resurfacing\2025\dwg\

PLAN	BY	DATE
SURFACED		
SHOULDERS		
NOTE BOOK		
NO. ———		
GRADES CHECKED		
B.M. ROUTE		
STRUCTURE NOTATNS CH'KD		

PROFILE	BY	DATE
SURFACED		
SHOULDERS		
NOTE BOOK		
NO. ———		
GRADES CHECKED		
B.M. ROUTE		
STRUCTURE NOTATNS CH'KD		

EROSION & SEDIMENT CONTROL ITEMS

	EX	PR
Cleaning & Grading Limits		
Dike		
Erosion Control Fence		
Perimeter Erosion Barrier		
Temporary Fence		
Ditch Check Temporary		
Ditch Check Permanent		
Inlet & Pipe Protection		
Sediment Basin		
Erosion Control Blanket		
Fabric Formed Concrete Revetment Mat		
Turf Reinforcement Mat		
Mulch Temporary		
Mulch Method 1		
Mulch Method 2 Stabilized		
Mulch Method 3 Hydraulic		

CONTOUR ITEMS

	EX	PR
Approx. Index Line		
Approx. Intermediate Line		
Index Contour		
Intermediate Contour		

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NON-HIGHWAY IMPROVEMENT ITEMS

	EX	PR
Noise Attn./Levee		
Field Line		
Fence		
Base of Levee		
Mailbox		
Multiple Mailboxes		
Pay Telephone		
Advertising Sign		
ITS* Camera		
Wind Turbine		
Cellular Tower		

*Intelligent Transportation Systems

LANDSCAPING ITEMS

	EX	PR
Contour Mounding Line		
Fence		
Fence Post		
Shrubs		
Mowline		
Perennial Plants		
Seeding Class 2		
Seeding Class 2A		
Seeding Class 4		
Seeding Class 4 & 5 Combined		

EXISTING LANDSCAPING ITEMS (contd.)

	EX	PR
Seeding Class 5		
Seeding Class 7		
Seedlings Type 1		
Seedlings Type 2		
Sodding		
Mowstake w/Sign		
Tree Trunk Protection		
Evergreen Tree	E	
Shade Tree	E	+

LIGHTING

	EX	PR
Duct		
Conduit		
Electrical Aerial Cable	A	A
Electrical Buried Cable	L	L
Controller		
Underpass Luminaire		
Power Pole		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 3 of 9)

STANDARD 000001-08

T:\1 CADD dwg\1 Resurfacing\2025\dwg\

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 000001-08 3	DRAWN – CH	REVISED –
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

000001-08 STANDARD SYMBOLS, ABBREVIATION, & PATTERNS

SCALE: VERT. N/A | SHEET NO. 3 OF 9 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	25
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

PLAN	BY	DATE
SURVEYED		
DESIGNED		
NOTE BOOK		
NO. ____		
GRADES CHECKED		
R.M. NOTED		
STRUCTURE NOTATNS CH'KD		

PROFILE	BY	DATE
SURVEYED		
DESIGNED		
NOTE BOOK		
NO. ____		
GRADES CHECKED		
R.M. NOTED		
STRUCTURE NOTATNS CH'KD		

LIGHTING (contd.)

	EX	PR
Pull Point		
Handhole		
Heavy Duty Handhole		
Junction Box		
Light Unit Comb.		
Electrical Ground		
Traffic Flow Arrow		
High Mast Pole (Half Size)		
Light Unit-1		

PAVEMENT (MISC.)

	EX	PR
Keyed Long. Joint		
Keyed Long. Joint w/Tie Bars		
Sawed Long. Joint w/Tie Bars		
Bituminous Shoulder		
Bituminous Taper		
Stabilized Driveway		
Widening		

PAVEMENT MARKINGS

	EX	PR
Handicap Symbol		
RR Crossing		
Raised Marker Amber 1 Way		
Raised Marker Amber 2 Way		
Raised Marker Crystal 1 Way		
Two Way Turn Left		
Shoulder Diag. Pattern		
Skip-Dash White		
Skip-Dash Yellow		
Stop Line		
Solid Line		
Double Centerline		
Dotted Lines		

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 4 of 9)

STANDARD 000001-08

T:\ CADD dwg\ Resurfacing\2025\dwg\

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 000001-08 4	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:31am	DATE – 01–05–2025	REVISED –

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DEPARTMENT OF TRANSPORTATION

000001-08 STANDARD SYMBOLS, ABBREVIATION, & PATTERNS

SCALE: VERT. N/A | SHEET NO. 4 OF 9 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	26
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

PLAN	BY	DATE
SURFACED		
SCOPED		
NOTE BOOK		
NO. ———		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATNS CH'KD		

PROFILE	BY	DATE
SURFACED		
SCOPED		
NOTE BOOK		
NO. ———		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATNS CH'KD		

PAVEMENT MARKINGS (contd.)

	EX	PR
CL 2Ln 2Way RRPM 12.2 m (40') o.c.		
CL 2Ln 2Way RRPM 80' (24.4 m) o.c.		
CL Multilane Div. RRPM 40' (12.2 m) o.c.		
CL Multilane Div. RRPM 80' (24.4 m) o.c.		
CL Multilane Div. Dbl. RRPM 80' (24.4 m) o.c.		
CL Multilane Undiv.		
Two Way Turn Left Line		
Urban Combination Left		
Urban Combination Right		
Urban Left Turn Arrow		
Urban Right Turn Arrow		
Urban Left Turn Only		
Urban Right Turn Only		
Urban Thru Only		
Urban LT & RT Turn Arrow		
Urban Thru Arrow		

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RAILROAD ITEMS

	EX	PR
Abandoned Railroad		
Railroad		
Railroad Point		
Control Box		
Crossing Gate		
Flashing Signal		
Railroad Cant. Mast Arm		
Crossbuck		

REMOVAL ITEMS

	EX	PR
Removal Tic		
Bituminous Removal		
Hatch Pattern		
Tree Removal Single		

RIGHT OF WAY ITEMS

	EX	PR
Future ROW Corner Monument		
ROW Marker		
ROW Line		
Easement		
Temporary Easement		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 5 of 9)

STANDARD 000001-08

T:\1 CADD dwg\1 Resurfacing\2025\dwg\

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 000001-08 5	DRAWN – CH	REVISED –
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	PLOT DATE = Feb 11, 2025–11:31am	DATE – 01–05–2025	REVISED –

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DEPARTMENT OF TRANSPORTATION

000001-08 STANDARD SYMBOLS, ABBREVIATION, & PATTERNS

SCALE: VERT. N/A | SHEET NO. 5 OF 9 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	27
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

PAVEMENT MARKINGS (contd.)

	EX	PR
Urban U-Turn		
Urban Combined U-Turn		
Rural Combination Left		
Rural Combination Right		
Rural Left Turn Arrow		
Rural Right Turn Arrow		
Rural Left Turn Only	ONLY	ONLY
Rural Right Turn Only		
Rural Thru Only		
Rural Thru Arrow		
Rural Lt & Rt Turn Arrow		
Bike Lane Symbol		
Bike Lane Text	BIKE LANE	BIKE LANE
Bike Path Shared		
Bike Shared Roadway		
Lane Drop Symbol		
Wrong Way Arrow		

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 6 of 9)

STANDARD 000001-08

PLAN / PROFILE
SURVEYED
DRAWN
NOTE BOOK
NO. ——
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CH'KD
BY
DATE

T:\1 CADD dwg\1 Resurfacing\2025\dwg\

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	LAYOUT NAME = 000001-08 6	DRAWN – CH	REVISED –
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000001-08 STANDARD SYMBOLS, ABBREVIATION, & PATTERNS

SCALE: VERT. N/A | SHEET NO. 6 OF 9 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	28
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

PLAN
NOTE BOOK
NO. _____
DRAWN
SHOWN
GRADES CHECKED
R.M. NOTED
STRUCTURE NOTATNS CH'KD
BY
DATE

PROFILE
NOTE BOOK
NO. _____
DRAWN
SHOWN
GRADES CHECKED
R.M. NOTED
STRUCTURE NOTATNS CH'KD
BY
DATE

RIGHT OF WAY ITEMS (contd.)

	EX	PR
Access Control Line		AC
Access Control Line & ROW	AC	AC
Access Control Line & ROW with Fence	AC	AC
Excess ROW Line		XS

ROADWAY PLAN ITEMS

	EX	PR
Cable Barrier		
Concrete Barrier		
Edge of Pavement		
Bit Shoulders, Medians and C&G Line		
Aggregate Shoulder		
Sidewalks, Driveways		
Guardrail		
Guardrail Post		
Traffic Sign		
Corrugated Median		
Impact Attenuator		
North Arrow with District Office (Half Size)	N	
Match Line		STA. 45+00
Slope Limit Line		
Typical Cross-Section Line		

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ROADWAY PROFILES

	EX	PR
P.I. Indicator		
Point Indicator		
Earthworks Balance Point		
Begin Point		
Vert. Curve Data	VPI = ELEV= L = E =	VPI = ELEV= L = E =
Ditch Profile Left Side		
Ditch Profile Right Side		
Roadway Profile Line		
Storm Sewer Profile Left Side		
Storm Sewer Profile Right Side		

SIGNING ITEMS

	EX	PR
Cone, Drum or Barricade		
Barricade Type II		
Barricade Type III		
Barricade With Edge Line		
Flashing Light Sign		
Panels I		
Panels II		
Direction of Traffic		
Sign Flag (Half Size)		

SIGNING ITEMS (contd.)

	EX	PR
Reverse Left W1-4L (Half Size)		
Reverse Right W1-4R (Half Size)		
Two Way Traffic Sign W6-3 (Half Size)		
Detour Ahead W20-2(O) (Half Size)		DETOUR AHEAD
Left Lane Closed Ahead W20-5L(O) (Half Size)		LEFT LANE CLOSED AHEAD
Right Lane Closed Ahead W20-5R(O) (Half Size)		RIGHT LANE CLOSED AHEAD
Road Closed Ahead W20-3(O) (Half Size)		ROAD CLOSED AHEAD
Road Construction Ahead W20-1-(O) (Half Size)		ROAD CONSTRUCTION AHEAD
Single Lane Ahead (Half Size)		SINGLE LANE AHEAD
Transition Left W4-2L (Half Size)		
Transition Right W4-2R (Half Size)		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 7 of 9)

STANDARD 000001-08

T:\1 CADD dwg\1 Resurfacing\2025\dwg\

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 000001-08 7	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
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DEPARTMENT OF TRANSPORTATION

000001-08 STANDARD SYMBOLS, ABBREVIATION, & PATTERNS

SCALE: VERT. N/A | SHEET NO. 7 OF 9 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	-----	COOK	62	29
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

PLAN	BY	DATE
SURVEYED		
DRAWN		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATNS CH'KD		
NOTE BOOK		
NO. ———		

PROFILE	BY	DATE
SURVEYED		
DRAWN		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATNS CH'KD		
NOTE BOOK		
NO. ———		

SIGNING ITEMS (contd.)

	EX	PR
One Way Arrow Lrg. W1-6-(O) (Half Size)		
Two Way Arrow Large W1-7-(O) (Half Size)		
Detour M4-10L-(O) (Half Size)		DETOUR
Detour M4-10R-(O) (Half Size)		DETOUR
One Way Left R6-1L (Half Size)		ONE WAY
One Way Right R6-1R (Half Size)		ONE WAY
Left Turn Lane R3-I100L (Half Size)		LEFT TURN LANE
Keep Left R4-7AL (Half Size)		KEEP LEFT
Keep Left R4-7BL (Half Size)		KEEP LEFT
Keep Right R4-7AR (Half Size)		KEEP RIGHT
Keep Right R4-7BR (Half Size)		KEEP RIGHT
Stop Here On Red R10-6-AL (Half Size)		STOP HERE ON RED
Stop Here On Red R10-6-AR (Half Size)		STOP HERE ON RED
No Left Turn R3-2 (Half Size)		
No Right Turn R3-1 (Half Size)		
Road Closed R11-2 (Half Size)		ROAD CLOSED
Road Closed Thru Traffic R11-2 (Half Size)		ROAD CLOSED TO THRU TRAFFIC

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STRUCTURES ITEMS

	EX	PR
Box Culvert Barrel		
Box Culvert Headwall		
Bridge Pier		
Bridge		
Retaining Wall		
Temporary Sheet Piling		

TRAFFIC SHEET ITEMS

	EX	PR
Cable Number		
Left Turn Green	G	G
Left Turn Yellow	Y	Y
Signal Backplate		
Signal Section 8'' (200 mm)		
Signal Section 12'' (300 mm)		
Walk/Don't Walk Letters	DW W	DW W
Walk/Don't Walk Symbols		

TRAFFIC SIGNAL ITEMS

	EX	PR
Galv. Steel Conduit		
Underground Cable		
Detector Loop Line		
Detector Loop Large		
Detector Loop Small		
Detector Loop Quadrapole		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 8 of 9)

STANDARD 000001-08

T:\1 CADD dwg\1 Resurfacing\2025\dwg\

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DEPARTMENT OF TRANSPORTATION

000001-08 STANDARD SYMBOLS, ABBREVIATION, & PATTERNS

SCALE: VERT. N/A | SHEET NO. 8 OF 9 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	————	COOK	62	30
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

PLAN	BY	DATE
SURFACED		
SURVEYED		
NOTE BOOK		
NO. ____		
GRADES CHECKED		
R.M. NOTED		
STRUCTURE NOTATNS CH'KD		

PROFILE	BY	DATE
SURFACED		
SURVEYED		
NOTE BOOK		
NO. ____		
GRADES CHECKED		
R.M. NOTED		
STRUCTURE NOTATNS CH'KD		

TRAFFIC SIGNAL ITEMS (contd.)

	EX	PR
Detector Raceway	"E"	
Aluminum Mast Arm		
Steel Mast Arm		
Veh. Detector Magnetic		
Conduit Splice		
Controller		
Gulfbox Junction		
Wood Pole		
Temp. Signal Head		
Handhole		
Double Handhole		
Heavy Duty Handhole	H	H
Junction Box		
Ped. Pushbutton Detector		
Ped. Signal Head		
Power Pole Service		
Priority Veh. Detector		
Signal Head		
Signal Head w/Backplate		
Signal Post		
Closed Circuit TV	C	C
Video Detector System	V	V

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UNDERGROUND UTILITY ITEMS

	EX	PR	ABANDONED
Cable TV	CTV	CTV	CTV
Electric Cable	E	E	E
Fiber Optic	FO	FO	FO
Gas Pipe	G	G	G
Oil Pipe	O	O	O
Sanitary Sewer			
Telephone Cable	T	T	T
Water Pipe	W	W	W

UTILITIES ITEMS

	EX	PR
Controller		
Double Handhole		
Fire Hydrant		
GuyWire or Deadman Anchor		
Handhole		
Heavy Duty Handhole	H	H
Junction Box		
Light Pole		
Manhole		
Monitoring Well (Gasoline)	MW	
Pipeline Warning Sign		
Power Pole		
Power Pole with Light		
Sanitary Sewer Cleanout		
Splice Box Above Ground		
Telephone Splice Box Above Ground		
Telephone Pole		

UTILITY ITEMS (contd.)

	EX	PR
Traffic Signal		
Traffic Signal Control Box	TS	
Water Meter		
Water Meter Valve Box		
Profile Line		
Aerial Power Line	A	A

VEGETATION ITEMS

	EX	PR
Deciduous Tree		
Bush or Shrub		
Evergreen Tree		
Stump		
Orchard/Nursery Line		
Vegetation Line		
Woods & Bush Line		

WATER FEATURE ITEMS

	EX	PR
Stream or Drainage Ditch		
Waters Edge		
Water Surface Indicator		
Water Point		
Disappearing Ditch		
Marsh		
Marsh/Swamp Boundary		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 9 of 9)

STANDARD 000001-08

T:\ CADD dwg\ Resurfacing\2025\dwg\

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 000001–08 9	DRAWN – CH	REVISED –
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STATE OF ILLINOIS
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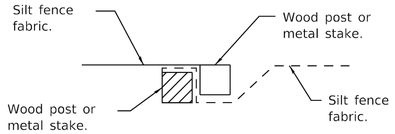
000001-08 STANDARD SYMBOLS, ABBREVIATION, & PATTERNS

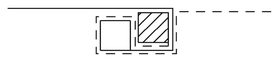
SCALE: VERT. N/A | SHEET NO. 9 OF 9 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	31
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		



Place end-post (stake) of first silt fence adjacent to end-post (stake) of second silt fence with fabric positioned as swown.

STEP 1

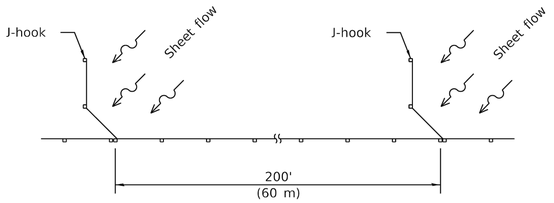


Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

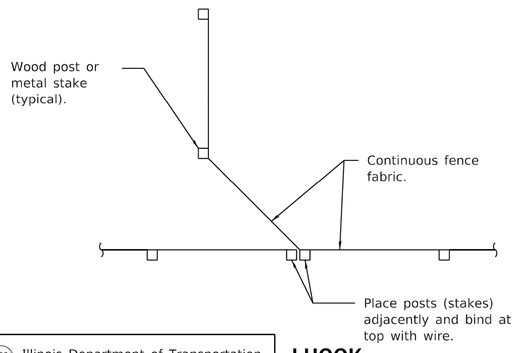
STEP 2

ATTACHING TWO SILT FILTER FENCES

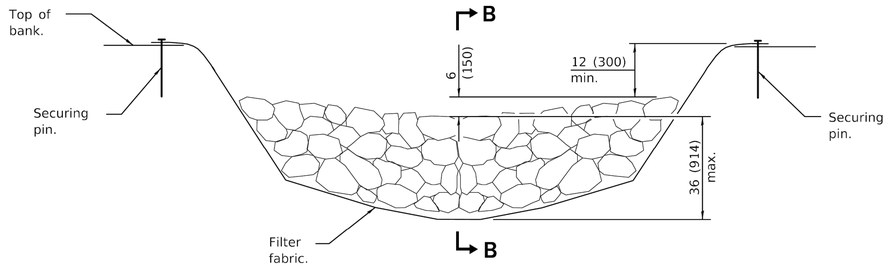
(Not applicable for J-hooks)



SILT FILTER J-HOOK PLACEMENT

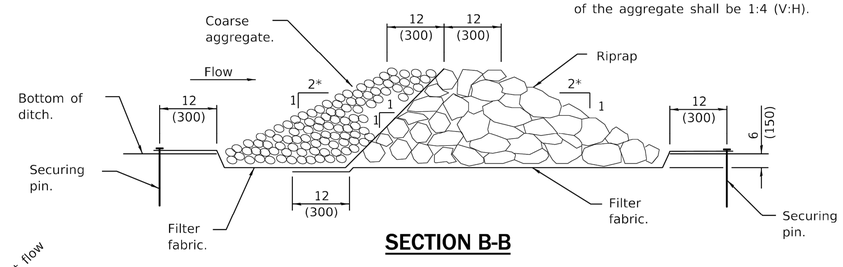


J-HOOK



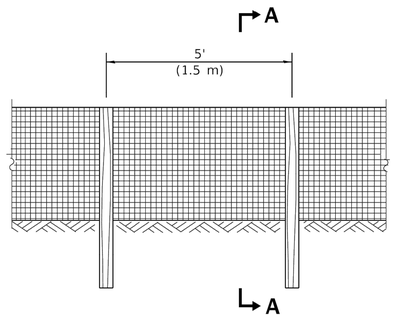
ELEVATION

* When the ditch check is within the clear zone and the road is open to traffic, the traffic approach slope of the aggregate shall be 1:4 (V:H).



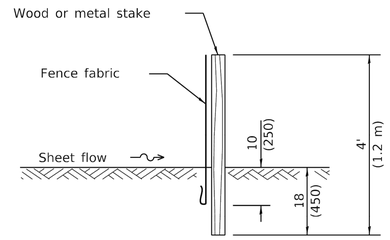
SECTION B-B

AGGREGATE DITCH CHECK

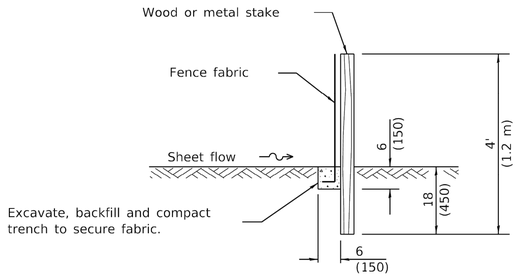


ELEVATION

SILT FILTER FENCE AS A PERIMETER EROSION BARRIER



SLICE METHOD



TRENCH METHOD

SECTION A-A

GENERAL NOTES

The installation details and dimensions shown for perimeter erosion barriers shall also apply for inlet and pipe protection.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2013
Michael Brand
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2013
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-13	Corrected notation for
	flowline ($\mathrm{F\underline{L}}$) on SEDIMENT
	BASIN ELEVATION.
1-1-12	Omitted hay/straw perimeter
	barrier. Added SLICE METHOD
	to SECTION A-A.

TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 1 of 2)

STANDARD 280001-07

PLAN: SURVEYED | DESIGNED | DRAWN | GRADES CHECKED | R.M. NOTED | STRUCTURE NOTATNS CH'KD | NOTE BOOK | NO. ____ | BY | DATE

PROFILE: SURVEYED | DESIGNED | DRAWN | GRADES CHECKED | R.M. NOTED | STRUCTURE NOTATNS CH'KD | NOTE BOOK | NO. ____ | BY | DATE

P:\1 CADD dwg\1 Resurfacing\2025\dwg\

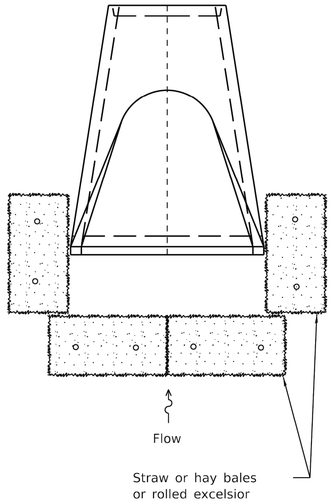
FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 280001–07 1	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:32am	DATE – 01–05–2025	REVISED –

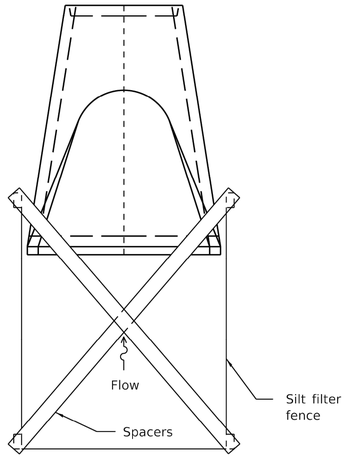
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

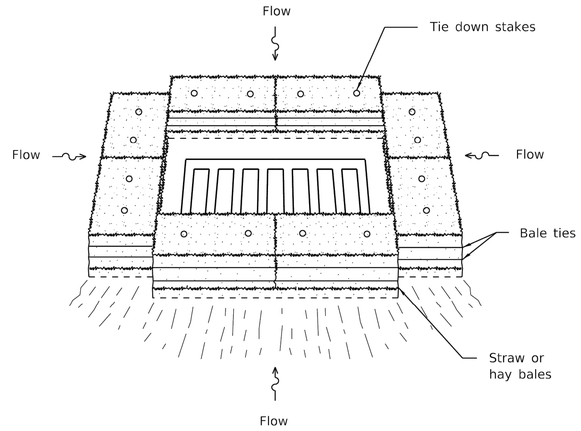
280001-07 TEMPORARY EROSION CONTROL SYSTEMS

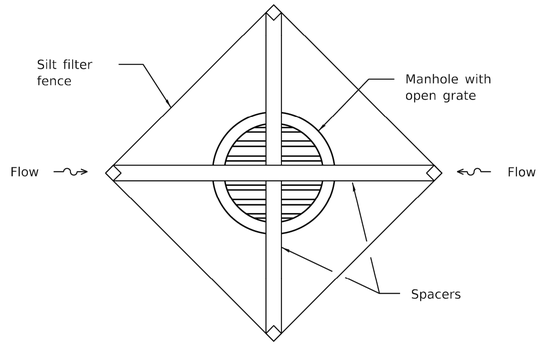
SCALE: VERT. N/A | SHEET NO. 1 OF 2 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	32
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

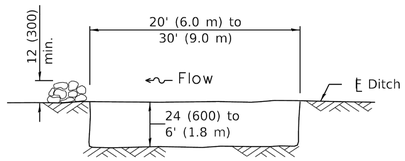






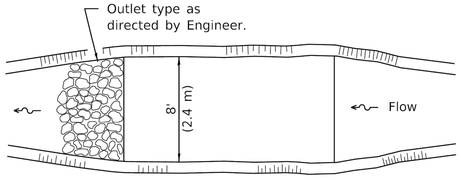


INLET AND PIPE PROTECTION



The performance of the basin
will improve if put into a series.

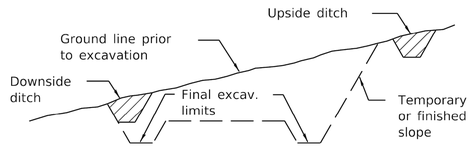
ELEVATION



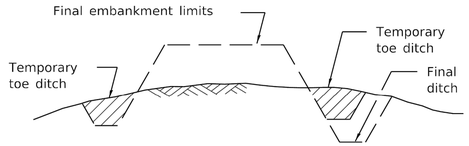
The long dimension should be parallel with the
direction of the flow. Accumulated silt shall be
removed anytime the basins become 75% filled.

PLAN

SEDIMENT BASIN



TYPICAL CUT CROSS-SECTION



TYPICAL FILL CROSS-SECTION

TEMPORARY DITCHES FOR CUT & FILL SECTIONS

Illinois Department of Transportation

PASSED January 1, 2013
Michael Briand
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2013
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 2 of 2)

STANDARD 280001-07

PLAN / PROFILE
SURVEYED
DRAWN
CHECKED
NOTE BOOK
NO. ____
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

T:\ CADD dwg\ Resurfacing\2025\dwg\

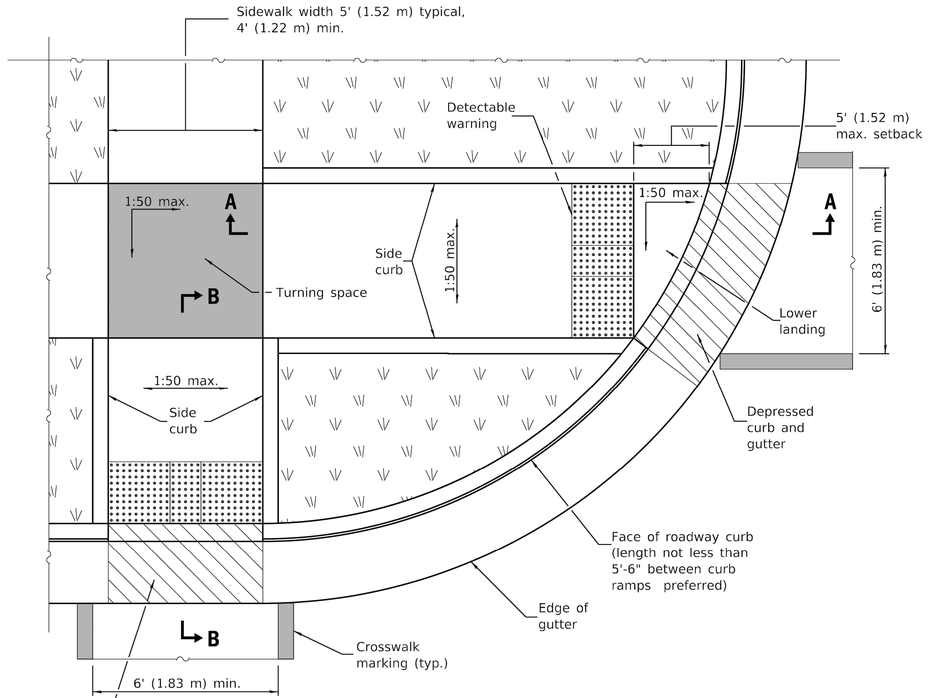
FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 280001-07 2	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:32am	DATE – 01–05–2025	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

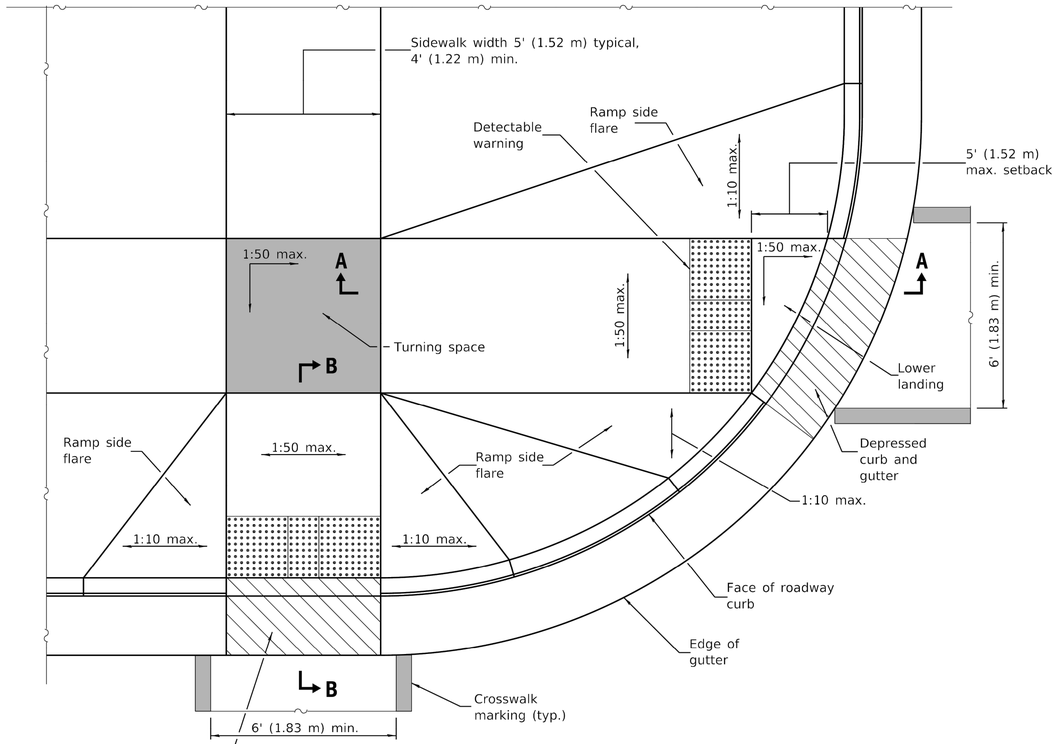
280001-07 TEMPORARY EROSION CONTROL SYSTEMS

SCALE: VERT. N/A | SHEET NO. 2 OF 2 SHEETS

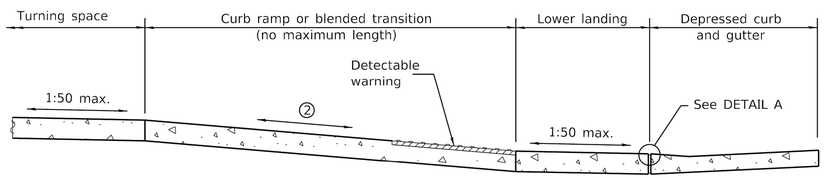
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	33
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		



RAMPS IN LANDSCAPED AREA SETBACK ≤ 5'

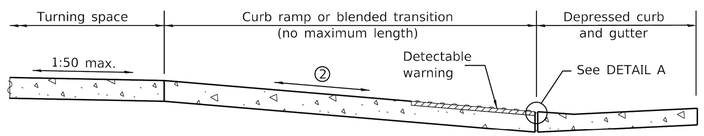


RAMPS IN PAVED AREA SETBACK ≤ 5'



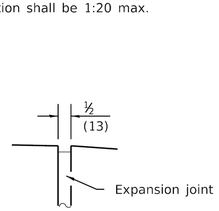
SECTION A-A

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

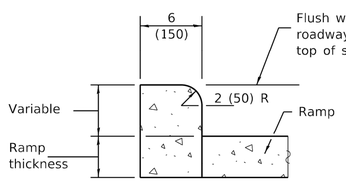


SECTION B-B

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



DETAIL A



SIDE CURB DETAIL

Illinois Department of Transportation

PASSED January 1, 2019
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

See Sheet 2 for GENERAL NOTES.

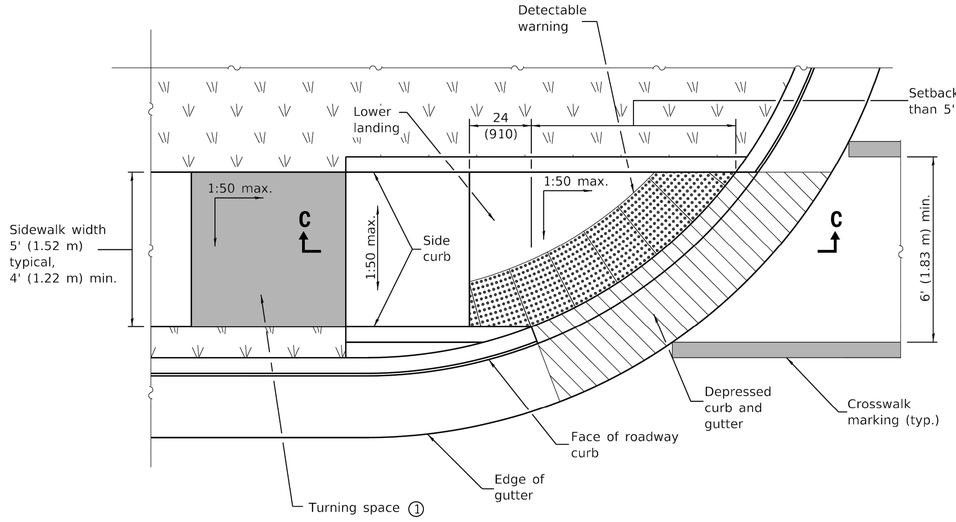
DATE	REVISIONS
1-1-19	Removed "15-foot rule", added
	"Blended transitions" and placement
	tolerances for detectable warnings.
1-1-18	Omitted diagonal slope at
	turning spaces and lower
	landings.

PERPENDICULAR CURB RAMPS FOR SIDEWALKS

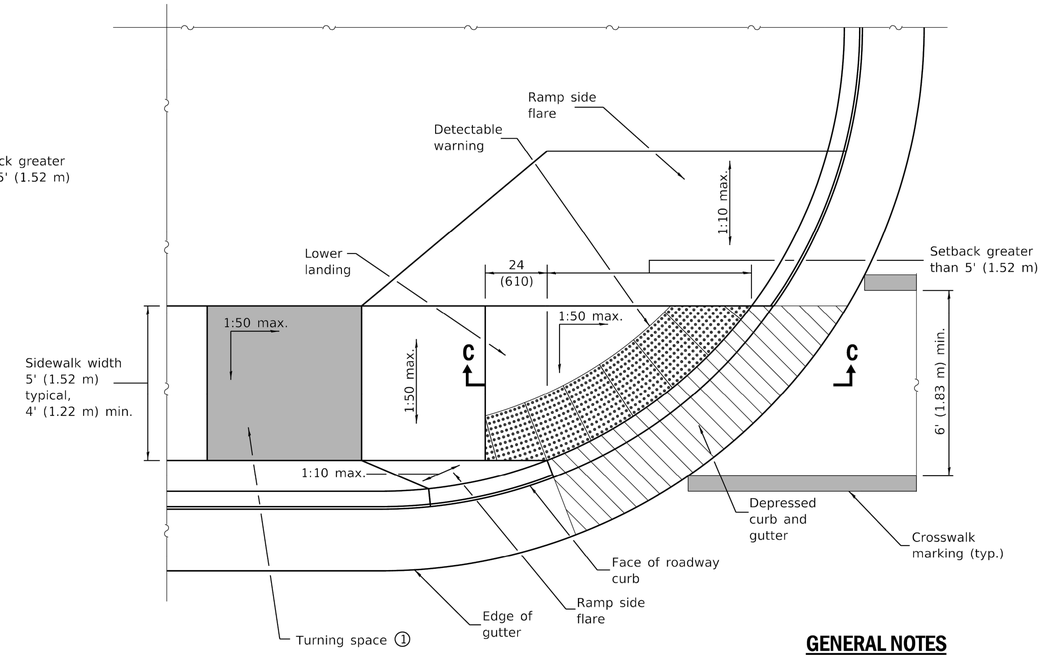
(Sheet 1 of 2)

STANDARD 424001-11

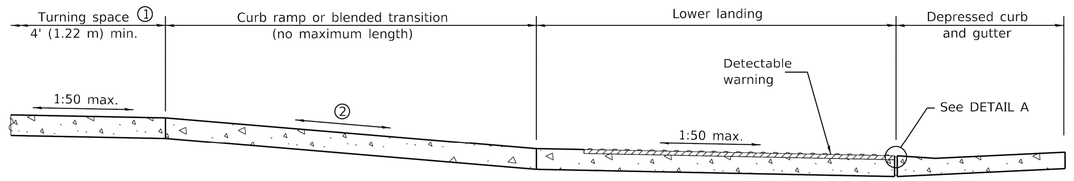
PLAN / PROFILE — DRAWN / SURVEYED / DESIGNED / QUANTITIES / GRADES CHECKED / R.M. NOTED / STRUCTURE NOTATNS CH'KD / NOTE BOOK / NO. ——— / BY / DATE



RAMP IN LANDSCAPED AREA SETBACK > 5'



RAMP IN PAVED AREA SETBACK > 5'



SECTION C-C

① This turning space not required for blended transitions.

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2019
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

PERPENDICULAR CURB RAMPS FOR SIDEWALKS

(Sheet 2 of 2)

STANDARD 424001-11

PLAN: SURFACED / SEEDED / SODDED; NOTE BOOK NO. ____; GRADES CHECKED; B.M. NOTED; STRUCTURE NOTATNS CH'KD; BY; DATE

PROFILE: SURFACED / SEEDED / SODDED; NOTE BOOK NO. ____; GRADES CHECKED; B.M. NOTED; STRUCTURE NOTATNS CH'KD; BY; DATE

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 424001-11 2	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:32am	DATE – 01–05–2025	REVISED –

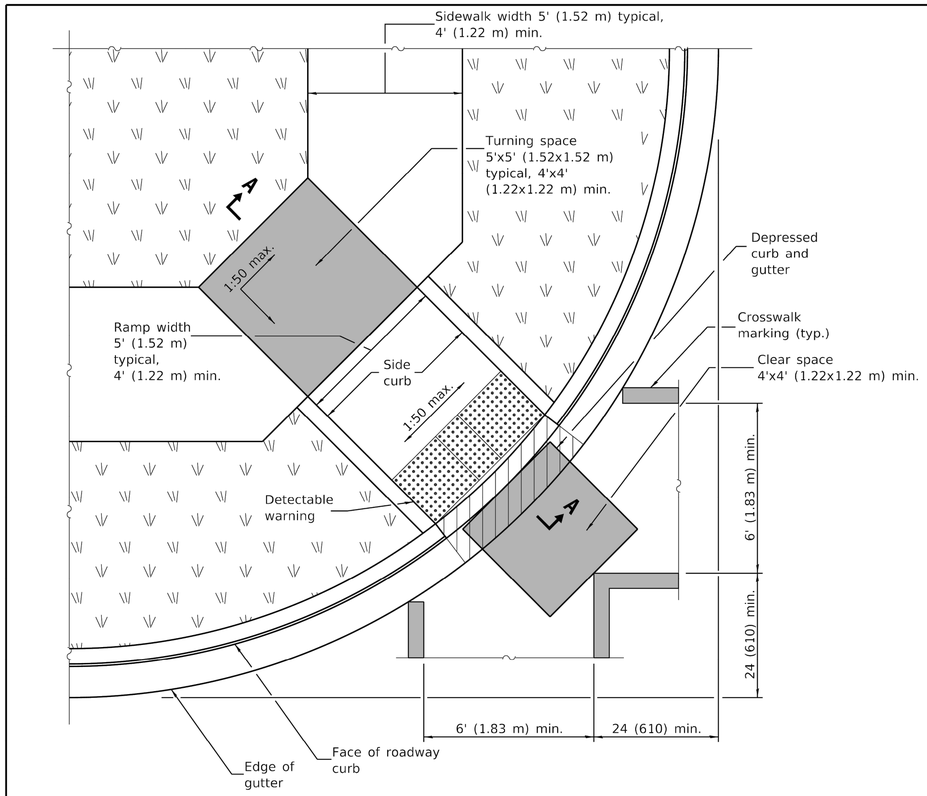
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS

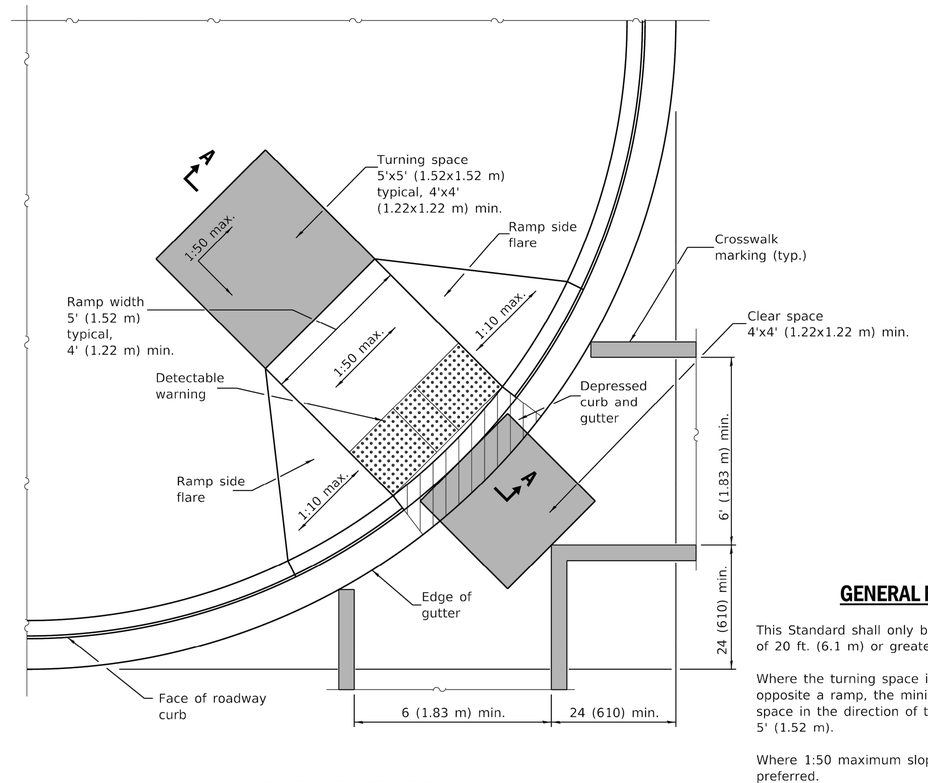
SCALE: VERT. N/A | SHEET NO. 2 OF 2 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	35
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

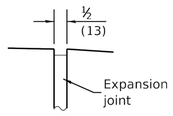
T:\1 CADD dwg\1 Resurfacing\2025\dwg\



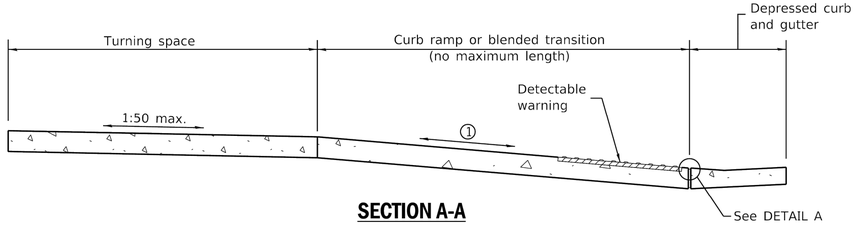
RAMP IN LANDSCAPED AREA



RAMP IN PAVED AREA

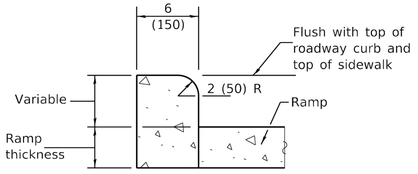


DETAIL A



SECTION A-A

① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



SIDE CURB DETAIL

GENERAL NOTES

This Standard shall only be used for curb radii of 20 ft. (6.1 m) or greater.

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12

DATE	REVISIONS
1-1-21	Clarified minimum crosswalk width
	and locations.
1-1-19	Removed "15-foot rule", added
	"blended transitions" and placement
	tolerances for detectable warnings.

DIAGONAL CURB RAMPS FOR SIDEWALKS

STANDARD 424006-05

PLAN / PROFILE
DRAWN BY DATE
CHECKED
QUANTITIES CHECKED
GRADES CHECKED
R.M. NOTED
STRUCTURE NOTATNS CH'KD
NOTE BOOK
NO. _____

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 424006-05	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:32am	DATE – 01–05–2025	REVISED –

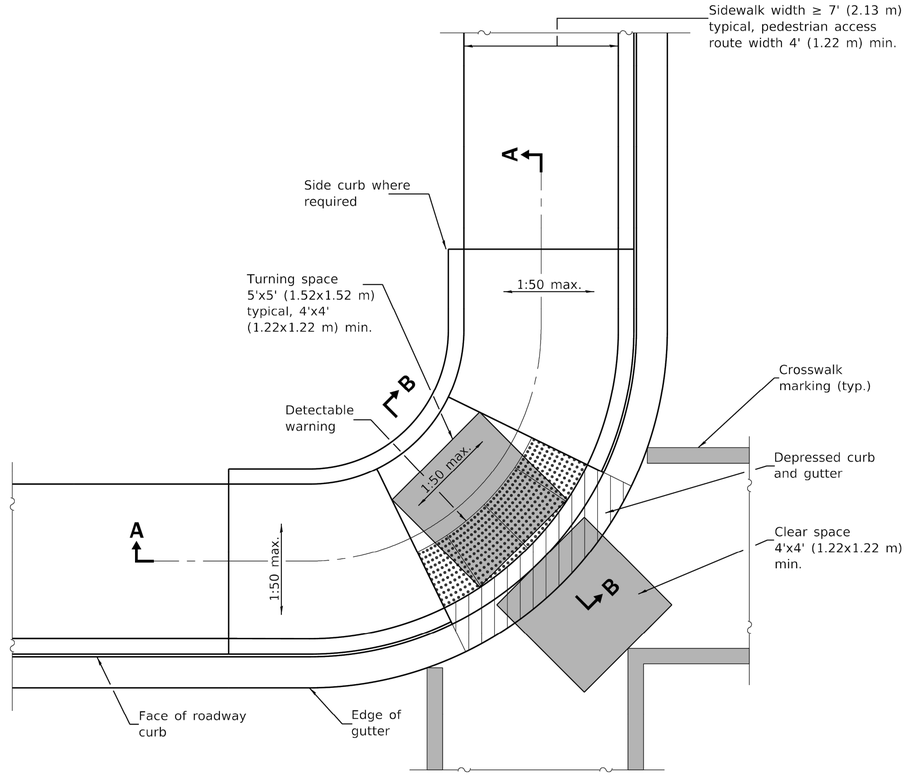
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

424006-05 DIAGONAL CURB RAMPS FOR SIDEWALKS

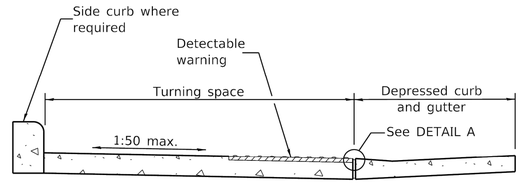
SCALE: VERT. N/A | SHEET NO. 1 OF 1 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	36
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

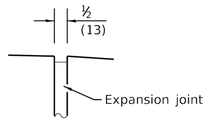
T:\ CADD dwg\ Resurfacing\2025\dwg\



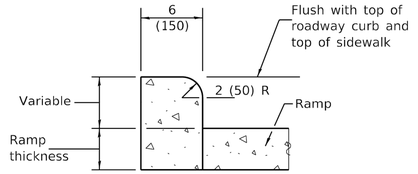
CORNER PARALLEL CURB RAMP



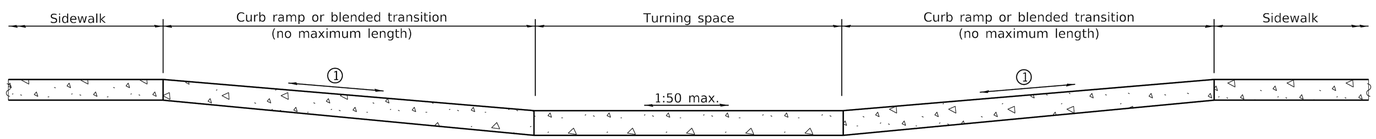
SECTION B-B



DETAIL A



SIDE CURB DETAIL



SECTION A-A

① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2019
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12

DATE	REVISIONS
1-1-19	Removed upper landing, added
	blended transition and detectable
	warning tolerances.
1-1-17	Revised sidewalk width to
	include 24 (610) buffer
	behind curb.

CORNER PARALLEL CURB RAMPS FOR SIDEWALKS

STANDARD 424011-04

PLAN
DRAWING SUBMITTED
SHOWN
GRADES CHECKED
R.M. NOTED
STRUCTURE NOTATNS CH'KD
NOTE BOOK
NO. _____
BY
DATE

PROFILE
DRAWING SUBMITTED
SHOWN
GRADES CHECKED
R.M. NOTED
STRUCTURE NOTATNS CH'KD
NOTE BOOK
NO. _____
BY
DATE

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 424011-04	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:32am	DATE – 01–05–2025	REVISED –

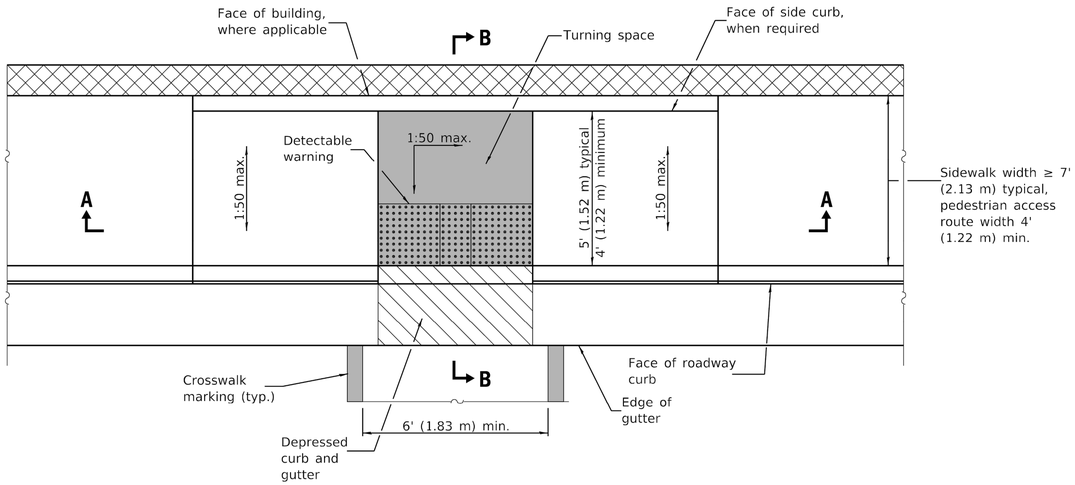
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

424011-04 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS

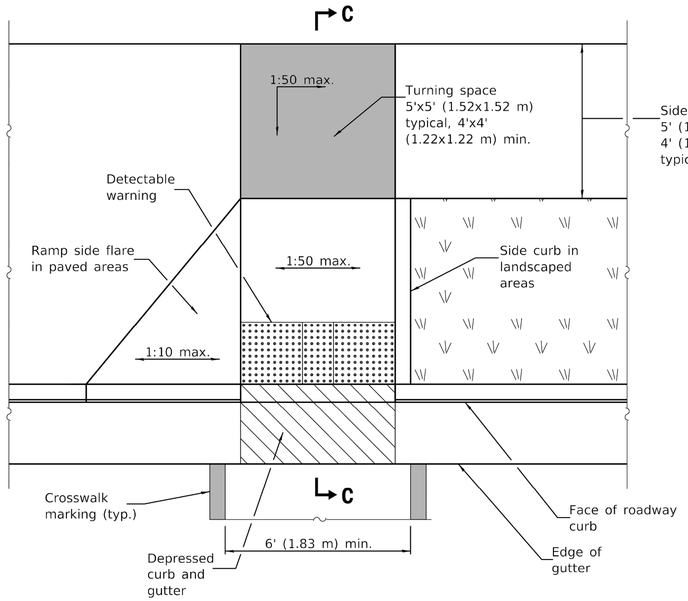
SCALE: VERT. N/A | SHEET NO. 1 OF 1 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	37
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

I:\1 CADD dwg\1 Resurfacing\2025\dwg\



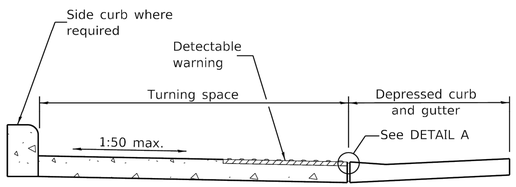
PARALLEL MID-BLOCK CURB RAMP



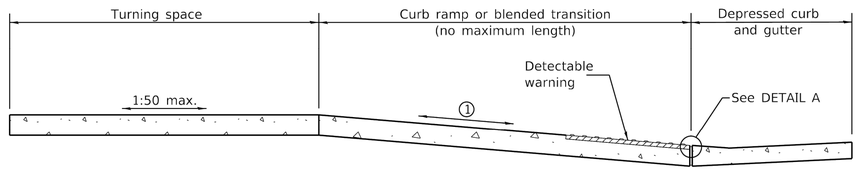
PERPENDICULAR MID-BLOCK CURB RAMP

SECTION A-A

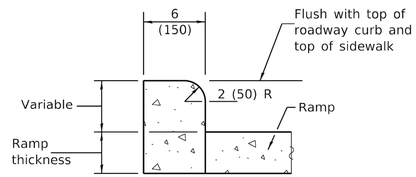
① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



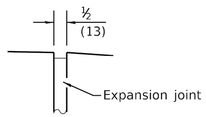
SECTION B-B



SECTION C-C



SIDE CURB DETAIL



DETAIL A

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in. width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2019
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12

DATE	REVISIONS
1-1-19	Removed upper landing, added
	blended transitions and detectable
	warning tolerances.
1-1-18	Omitted diagonal slope at
	turning spaces and upper
	landings.

MID-BLOCK CURB RAMPS FOR SIDEWALKS

STANDARD 424016-05

PLAN / PROFILE — SURVEYED — DATE — BY — SCALED — DESIGNED — QUANTITIES — DRAWN — TRACED — GRADES CHECKED — R.M. NOTED — STRUCTURE NOTATNS CH'KD — NOTE BOOK — NO. ——

T:\1 CADD dwg\1 Resurfacing\2025\dwg\

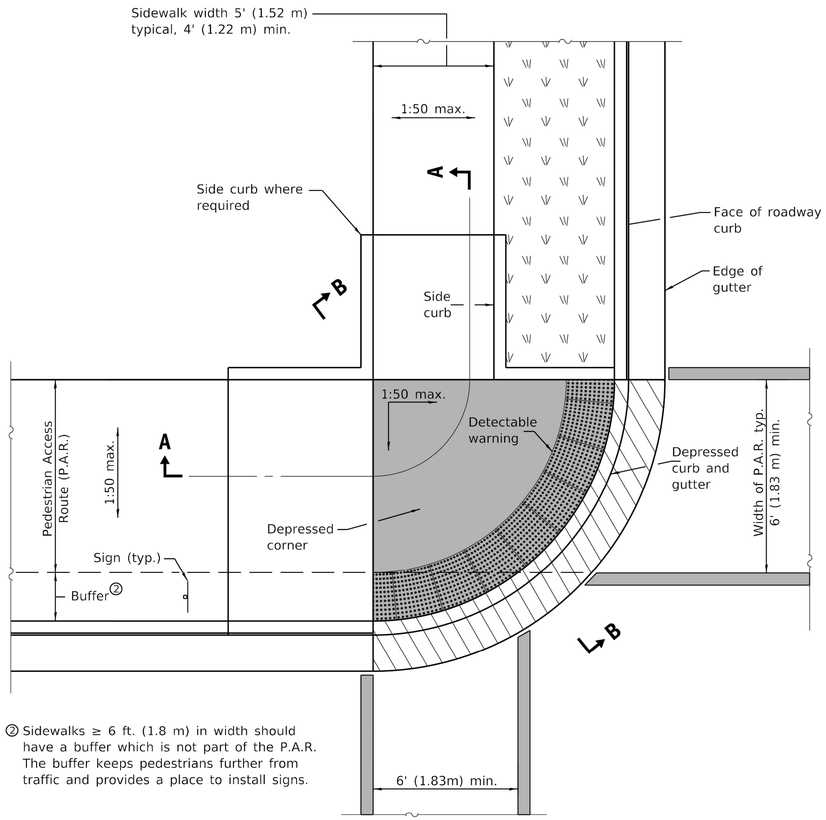
FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 424016–05	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:32am	DATE – 01–05–2025	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

424016-05 MID-BLOCK CURB RAMPS FOR SIDEWALKS

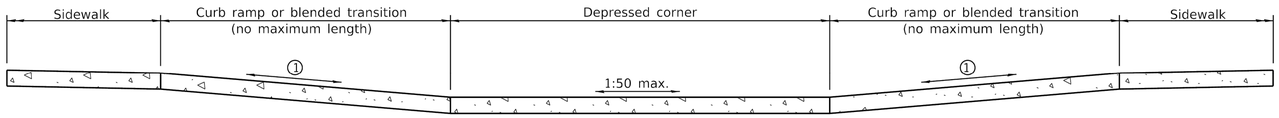
SCALE: VERT. N/A | SHEET NO. 1 OF 1 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	––––	COOK	62	38
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		



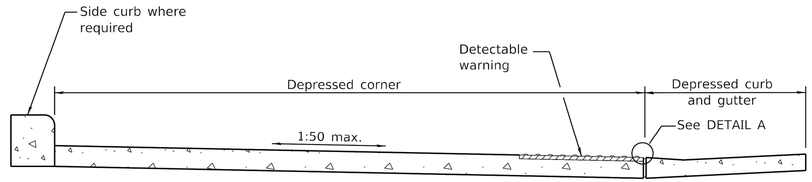
② Sidewalks ≥ 6 ft. (1.8 m) in width should have a buffer which is not part of the P.A.R. The buffer keeps pedestrians further from traffic and provides a place to install signs.

DEPRESSED CORNER

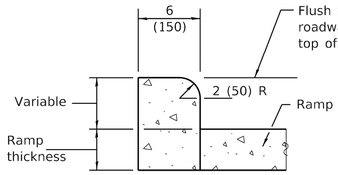


SECTION A-A

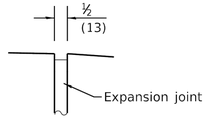
① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



SECTION B-B



SIDE CURB DETAIL



DETAIL A

GENERAL NOTES

This standard shall only be used for curb radii of 6 ft. (1.83 m) or greater.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal tolerances but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in. width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12

DATE	REVISIONS
1-1-21	Added crosswalk striping and
	a "buffer" for wide sidewalks.
1-1-19	Removed upper landings, added
	blended transition and detectable
	warning tolerances.

DEPRESSED CORNER FOR SIDEWALKS

STANDARD 424021-06

PLAN: DRAWN, SURVEYED, SCALED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO. ——, BY, DATE

PROFILE: DRAWN, SURVEYED, SCALED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO. ——, BY, DATE

T:\ CADD dwg\ Resurfacing\2025\dwg\

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 424021–06	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:33am	DATE – 01–05–2025	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

424021-06 DEPRESSED CORNER FOR SIDEWALKS

SCALE: VERT. N/A | SHEET NO. 1 OF 1 SHEETS

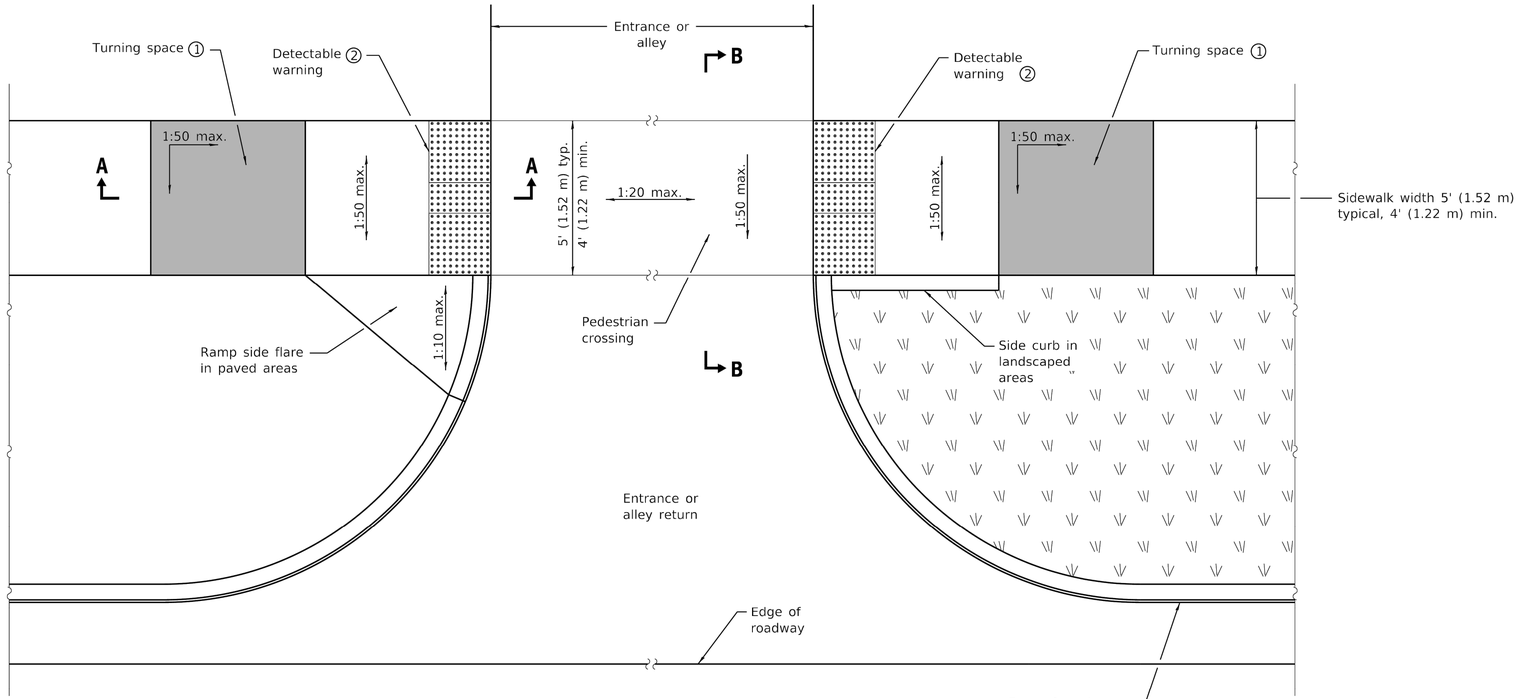
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	39
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

PLAN
SURVEYED
DESIGNED
GRADES CHECKED
R.M. NOTED
STRUCTURE NOTATNS CH'KD
NOTE BOOK
NO. _____
BY
DATE

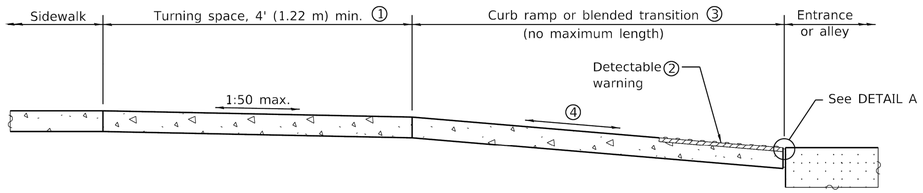
PROFILE
SURVEYED
DESIGNED
GRADES CHECKED
R.M. NOTED
STRUCTURE NOTATNS CH'KD
NOTE BOOK
NO. _____
BY
DATE

② Detectable warning shall only be installed at entrances/alleys with permanent traffic control devices (i.e. stop signs, signals).

③ Where possible, maintain the grade of the sidewalk across the entrance/alley to avoid the need for ramps and turning spaces.



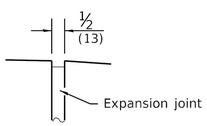
ENTRANCE / ALLEY PEDESTRIAN CROSSING



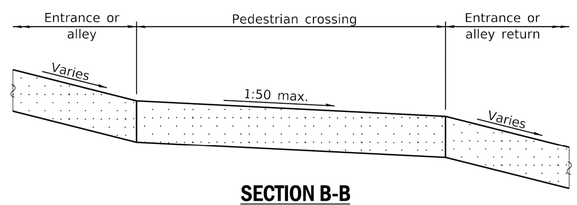
SECTION A-A

① Turning space not required for blended transitions.

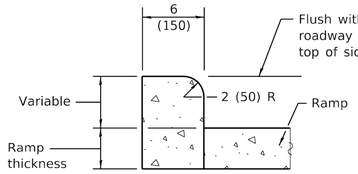
④ The running slope of a curb ramp shall be 1:20 min and 1:12 max. The running slope of a blended transition shall be 1:20 max.



DETAIL A



SECTION B-B



SIDE CURB DETAIL

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2019
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12

DATE	REVISIONS
1-1-19	Added blended transitions and
	placement tolerances for
	detectable warnings.
1-1-18	Omitted diagonal slope at
	upper landings.

ENTRANCE / ALLEY PEDESTRIAN CROSSINGS

STANDARD 424026-03

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 424026-03	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:33am	DATE – 01–05–2025	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

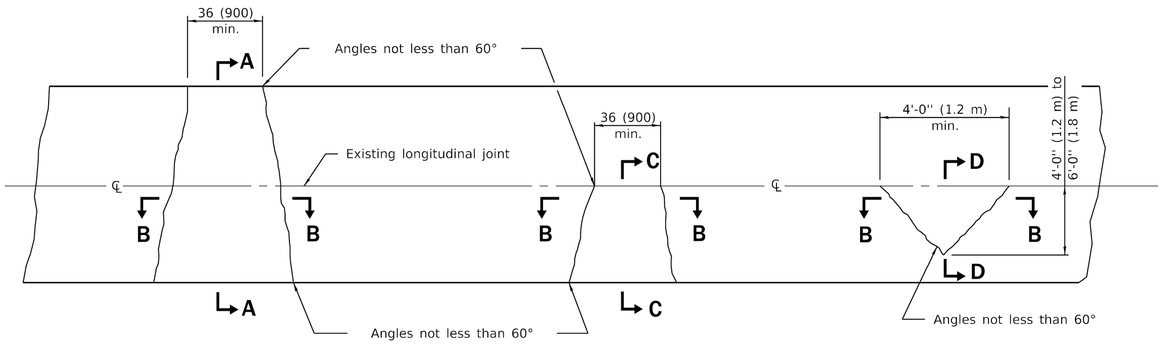
424026-03 ENTRANCE / ALLEY PEDESTRIAN CROSSINGS

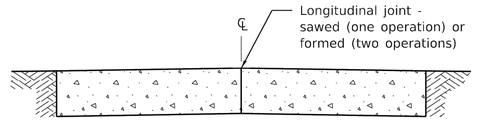
SCALE: VERT. N/A | SHEET NO. 1 OF 1 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	40
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

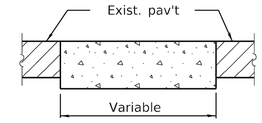
I:\ CADD dwg\ Resurfacing\2025\dwg\

CLASS C

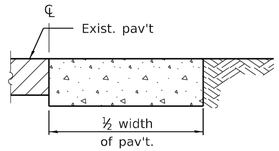




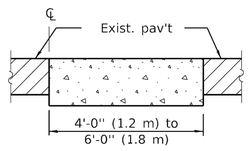
SECTION A-A



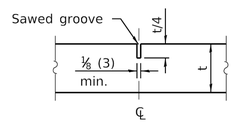
SECTION B-B



SECTION C-C



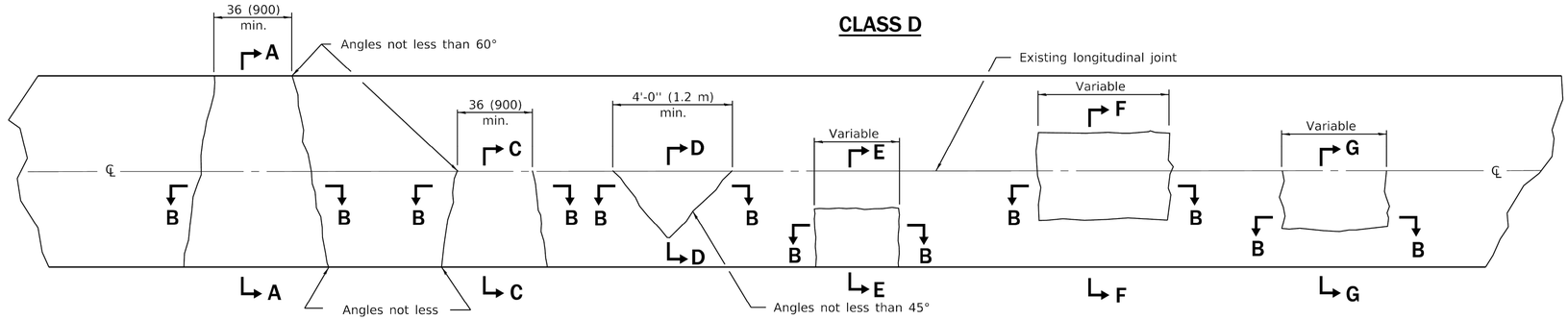
SECTION D-D

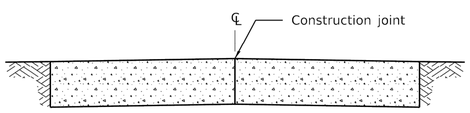


DETAIL OF SAWED
CONTRACTION JOINT

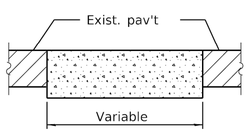
Note:
Longitudinal joints shall be as detailed on Standard 420001, except tie bars are not required for patches 20'-0" (6.0 m) or less in length.

CLASS D

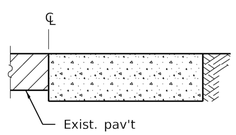




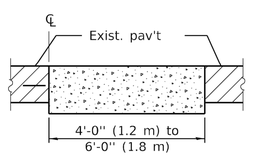
SECTION A-A
(Built in two operations)



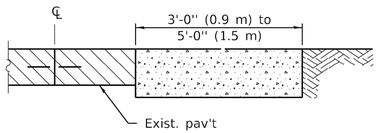
SECTION B-B



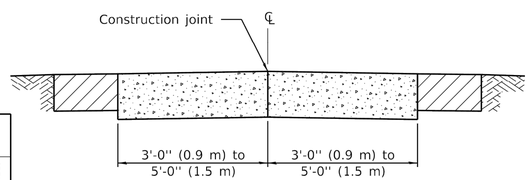
SECTION C-C



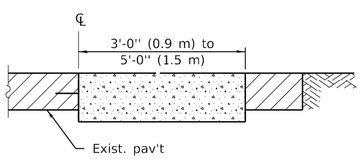
SECTION D-D



SECTION E-E



SECTION F-F
(Built in two operations)



SECTION G-G

GENERAL NOTES

Existing tie bars shall be either cut or removed.
Marginal bars shall be cut.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2008
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2008
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-08	Switched units to
	English (metric).
1-1-07	Revised Note for
	Class C patches.

CLASS C and D PATCHES

STANDARD 442201-03

PLAN
DRAWN BY
PLOTTED BY
CHECKED BY
QUANTITIES CHECKED
GRADES CHECKED
R.M. NOTED
STRUCTURE NOTATNS CH'KD
NOTE BOOK
NO. _____

PROFILE
DRAWN BY
PLOTTED BY
CHECKED BY
QUANTITIES CHECKED
GRADES CHECKED
R.M. NOTED
STRUCTURE NOTATNS CH'KD
NOTE BOOK
NO. _____

I:\1 CADD dwg\1 Resurfacing\2025\dwg\

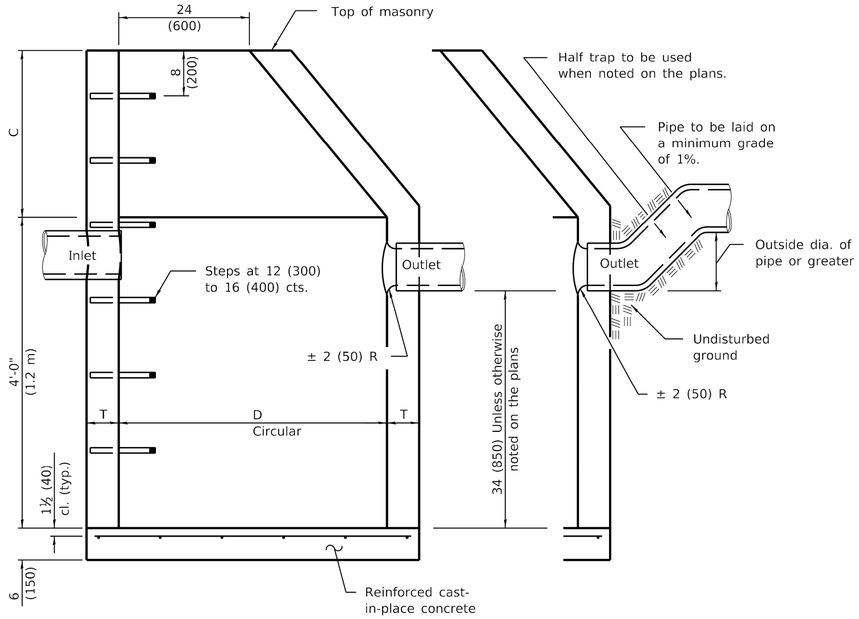
FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 442201-03	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:33am	DATE – 01–05–2025	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

442201-03 CLASS C AND D PATCHES

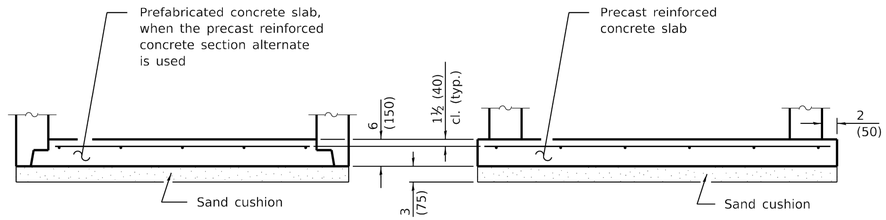
SCALE: VERT. N/A | SHEET NO. 1 OF 1 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	41
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		



ELEVATION
(Standard Outlet)

ELEVATION
(Half Trap)



ALTERNATE BOTTOM SLAB

ALTERNATE MATERIALS FOR WALLS	D	C*	T (min.)
Concrete Masonry Unit	4'-0'' (1.2 m) 5'-0'' (1.5 m)	30 (750) 3'-9'' (1.15 m)	5 (125) 5 (125)
Brick Masonry	4'-0'' (1.2 m) 5'-0'' (1.5 m)	30 (750) 3'-9'' (1.15 m)	8 (200) 8 (200)
Precast Reinforced Concrete Section	4'-0'' (1.2 m) 5'-0'' (1.5 m)	30 (750) 3'-9'' (1.15 m)	4 (100) 5 (125)
Cast-in-place Concrete	4'-0'' (1.2 m) 5'-0'' (1.5 m)	30 (750) 3'-9'' (1.15 m)	6 (150) 6 (150)

* For precast reinforced concrete sections, dimension "C" may vary from the dimension given to plus 6 (150).

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.20 sq. in./ft (420 sq. mm/m) in both directions with a maximum spacing of 12 (300).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

See Standard 602601 for optional precast reinforced concrete flat slab top.

See Standard 602701 for details of steps.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2011
Michael Brand
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2011
Scott Hassler
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-11	Added 'Outside' to half trap
	note. Detail rein. in slabs.
	Revised general notes.
1-1-09	Switched units to
	English (metric).

CATCH BASIN TYPE A

STANDARD 602001-02

PLAN
SURVEYED BY
DRAWN BY
CHECKED BY
NOTE BOOK
NO. ——
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
DATE

PROFILE
SURVEYED BY
DRAWN BY
CHECKED BY
NOTE BOOK
NO. ——
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
DATE

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 602001-02	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:33am	DATE – 01–05–2025	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

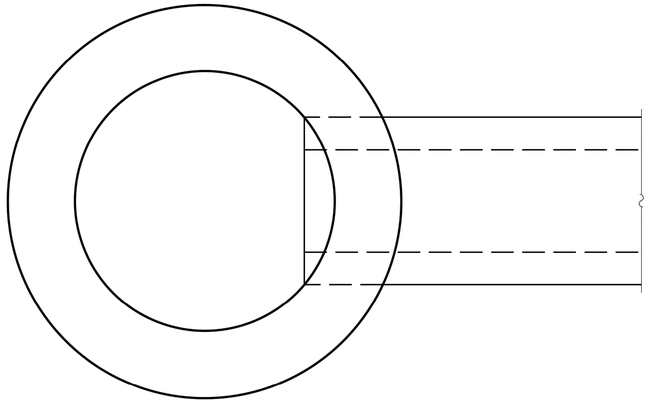
602001-02 CATCH BASIN TYPE A

SCALE: VERT. N/A | SHEET NO. 1 OF 1 SHEETS

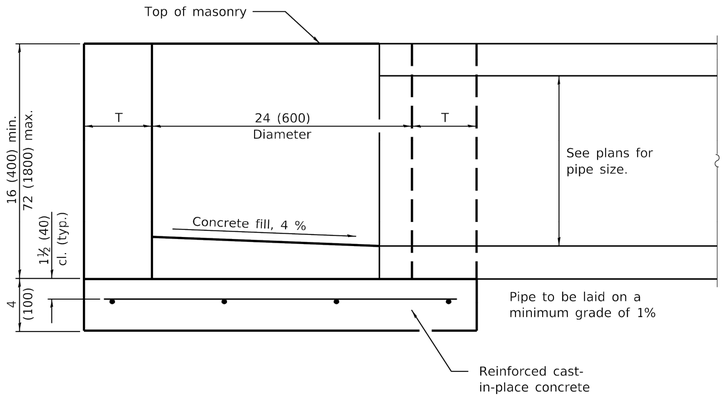
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	42
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

I:\1 CADD dwg\1 Resurfacing\2025\dwg\

PLAN	DESIGNED	BY	DATE
	DRAWN		
	CHECKED		
NOTE BOOK	GRADES CHECKED		
NO. ———	S.M. NOTED		
	STRUCTURE NOTATNS CHKD		

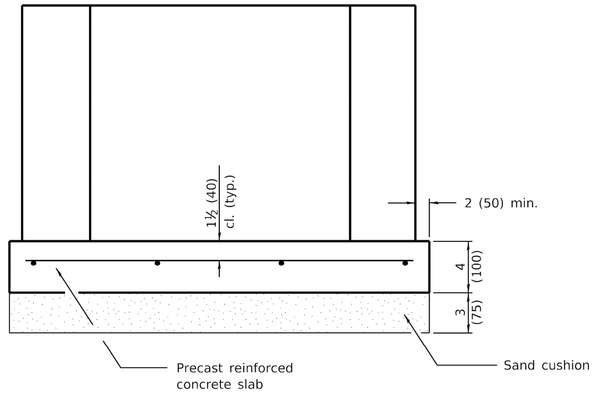


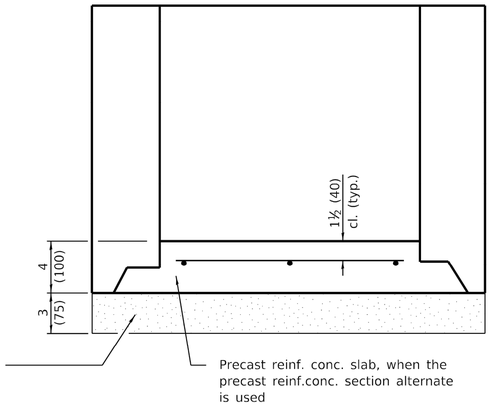
PLAN



ELEVATION

ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	8 (200)
CAST-IN-PLACE CONCRETE	6 (150)
CONCRETE MASONRY UNIT	5 (125)
PRECAST REINFORCED CONCRETE SECTION	3 (75)





ALTERNATE METHODS

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.24 sq. in./ft. (510 sq. mm/m) in both directions with a maximum spacing of 10 (250).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2014
Michael Brand
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-14	Increased height to
	72 (1800) maximum.
1-1-11	Detailed rein. in slabs.
	Added max. limit to height.
	Added general notes.

INLET - TYPE A

STANDARD 602301-04

PROFILE	DESIGNED	BY	DATE
	DRAWN		
	CHECKED		
NOTE BOOK	GRADES CHECKED		
NO. ———	S.M. NOTED		
	STRUCTURE NOTATNS CHKD		

T:\ CADD dwg\ Resurfacing\2025\dwg\

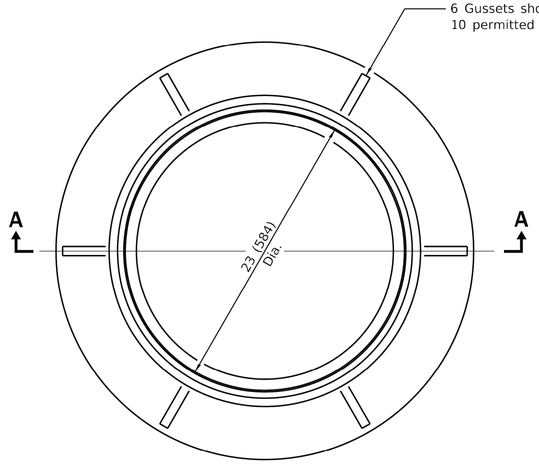
FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 602301–04	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:33am	DATE – 01–05–2025	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

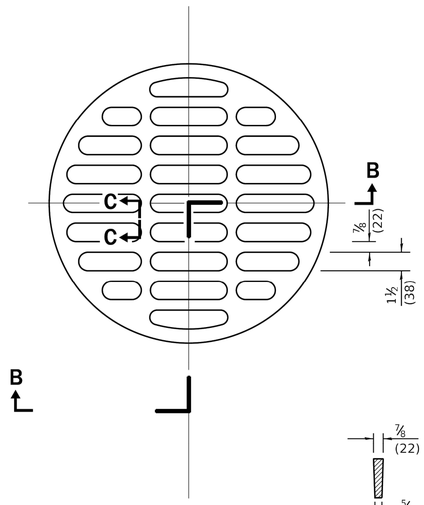
602301-04 INLET TYPE A

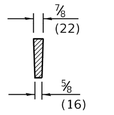
SCALE: VERT. N/A | SHEET NO. 1 OF 1 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	43
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

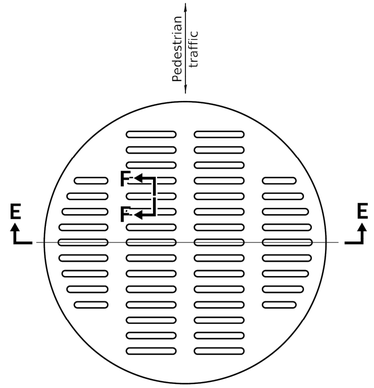


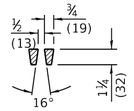
CAST FRAME



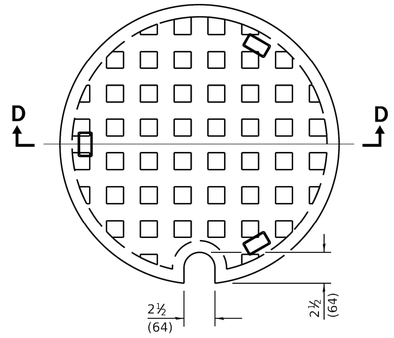


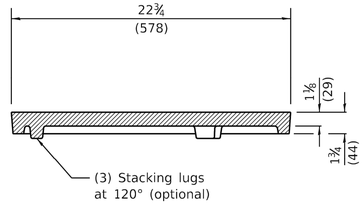
SECTION C-C



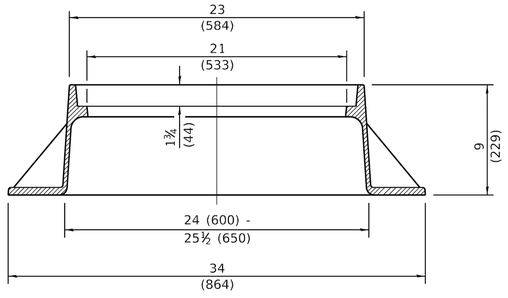


SECTION F-F



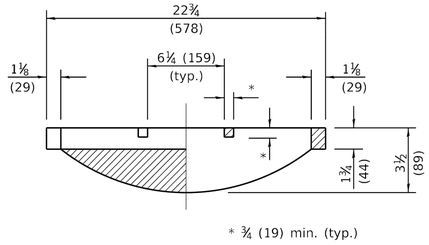


SECTION D-D



SECTION A-A

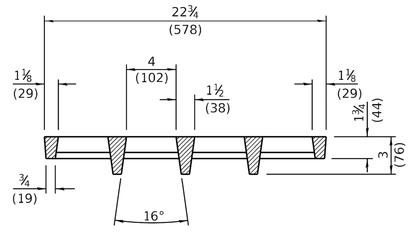
Gray Iron



* ¾ (19) min. (typ.)

SECTION B-B

CAST OPEN LID



SECTION E-E

ADA COMPLIANT CAST OPEN LID

CAST CLOSED LID

Gray Iron Lid

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2020

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2020

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-20	Revised dimension in Section B-B
	of cast open lid.
1-1-15	Revised dimensioning of
	frame. Added ADA compliant
	open lid.
1-1-09	Switched units to English (metric).

FRAME AND LIDS TYPE 1

STANDARD 604001-05

PLAN — SURFACED / SURFACE TYP. — NOTE BOOK — NO. ____ — GRADES CHECKED — E.M. NOTES — STRUCTURE NOTATNS. CH'KD — BY — DATE

PROFILE — SURFACED / SURFACE TYP. — NOTE BOOK — NO. ____ — GRADES CHECKED — E.M. NOTES — STRUCTURE NOTATNS. CH'KD — BY — DATE

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 604001-05	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:33am	DATE – 01–05–2025	REVISED –

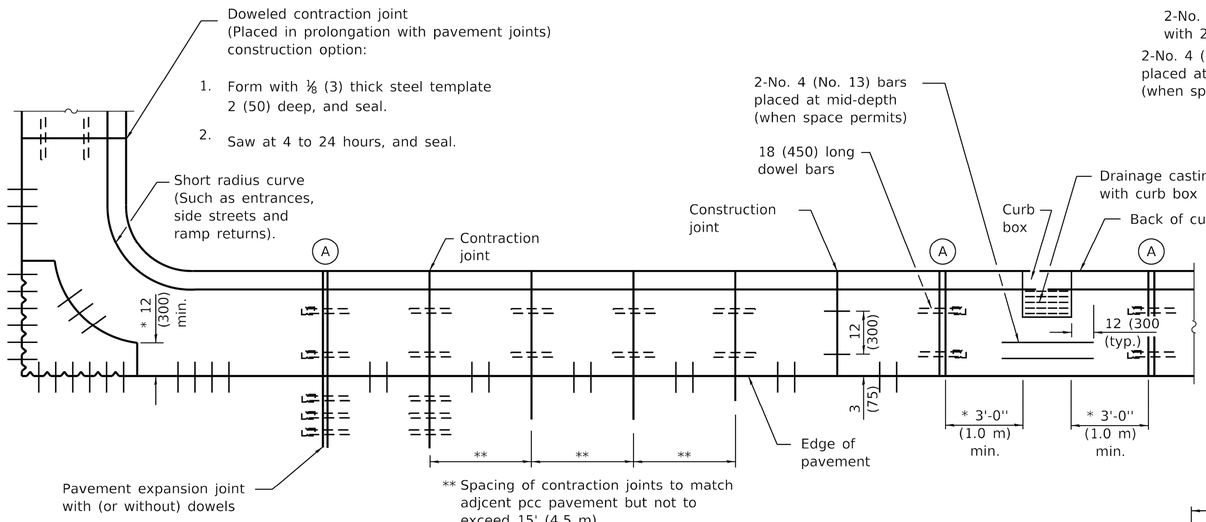
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

604006-05 FRAME AND LIDS TYPE 1

SCALE: VERT. N/A | SHEET NO. 1 OF 1 SHEETS

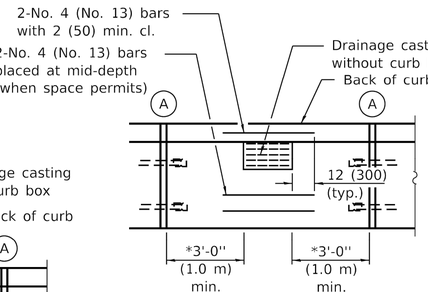
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	44
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

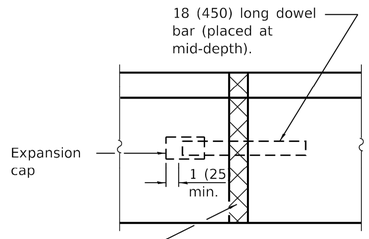
T:\1 CADD dwg\1 Resurfacing\2025\dwg\



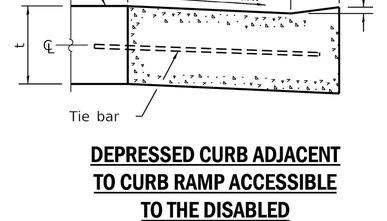
PLAN
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

* This dimension shall be adjusted to align with joint on the adjacent pavement



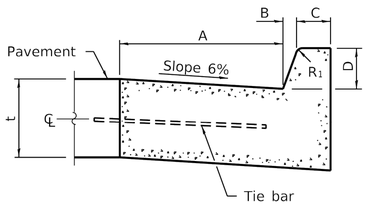


DETAIL (A)
EXPANSION JOINT



DEPRESSED CURB (TYPICAL)

DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED



BARRIER CURB

TABLE OF DIMENSIONS
BARRIER CURB

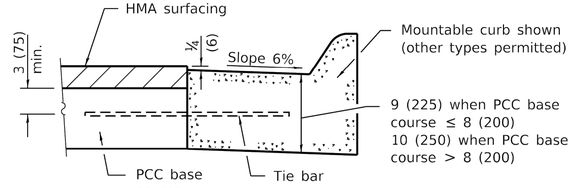
TYPE	A	B	C	D	R_1
B-6.06 ✱ (B-15.15)	6 (150)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.12 (B-15.3)	12 (300)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.18 (B-15.45)	18 (450)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.24 (B-15.60)	24 (600)	1 (25)	6 (150)	6 (150)	1 (25)
B-9.12 (B-22.30)	12 (300)	2 (50)	5 (125)	9 (225)	1 (25)
B-9.18 (B-22.45)	18 (450)	2 (50)	5 (125)	9 (225)	1 (25)
B-9.24 (B-22.60)	24 (600)	2 (50)	5 (125)	9 (225)	1 (25)

✱ For corner islands only.

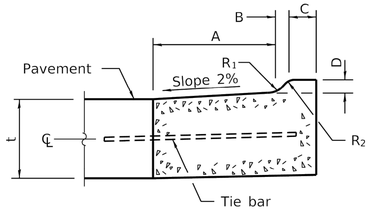
MOUNTABLE CURB

TABLE OF DIMENSIONS
MOUNTABLE CURB

TYPE	A	B	C	D	R_1	R_2
M-2.06 (M-5.15)	6 (150)	2 (50)	4 (100)	2 (50)	3 (75)	2 (50)
M-2.12 (M-5.30)	12 (300)	2 (50)	4 (100)	2 (50)	3 (75)	2 (50)
M-4.06 (M-10.15)	6 (150)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-4.12 (M-10.30)	12 (300)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-4.18 (M-10.45)	18 (450)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-4.24 (M-10.60)	24 (600)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-6.06 (M-15.15)	6 (150)	6 (150)	2 (50)	6 (150)	2 (50)	NA
M-6.12 (M-15.30)	12 (300)	6 (150)	2 (50)	6 (150)	2 (50)	NA
M-6.18 (M-15.45)	18 (450)	6 (150)	2 (50)	6 (150)	2 (50)	NA
M-6.24 (M-15.60)	24 (600)	6 (150)	2 (50)	6 (150)	2 (50)	NA



ADJACENT TO PCC BASE COURSE WITH HMA SURFACING



M-2.06 (M-5.15) and M-2.12 (M-5.30)

GENERAL NOTES

The bottom slope of combination curb and gutter constructed adjacent to pcc pavement shall be the same slope as the subbase or 6% when subbase is omitted.

t = Thickness of pavement.

Longitudinal joint tie bars shall be No. 6 (No. 19) at 36 (900) centers in accordance with details for longitudinal construction joint shown on Standard 420001.

A minimum clearance of 2 (50) between the end of the tie bar and the back of the curb shall be maintained.

The dowel bars shown in contraction joints will only be required for monolithic construction.

See Standard 606301 for details of corner islands.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2022
Michael Brand
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2022
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-22	Revised contraction joint spacing
	adjacent to pcc pavement.
1-1-18	Revised General Note for tie
	bar spacing to 36 (900) cts.

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
(Sheet 1 of 2)

STANDARD 606001-08

PLAN / PROFILE — SURVEYED — DRAWN — GRADES CHECKED — B.M. NOTED — STRUCTURE NOTATNS CH'KD — NOTE BOOK — NO. ——— — BY — DATE

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 606001-08 1	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:33am	DATE – 01–05–2025	REVISED –

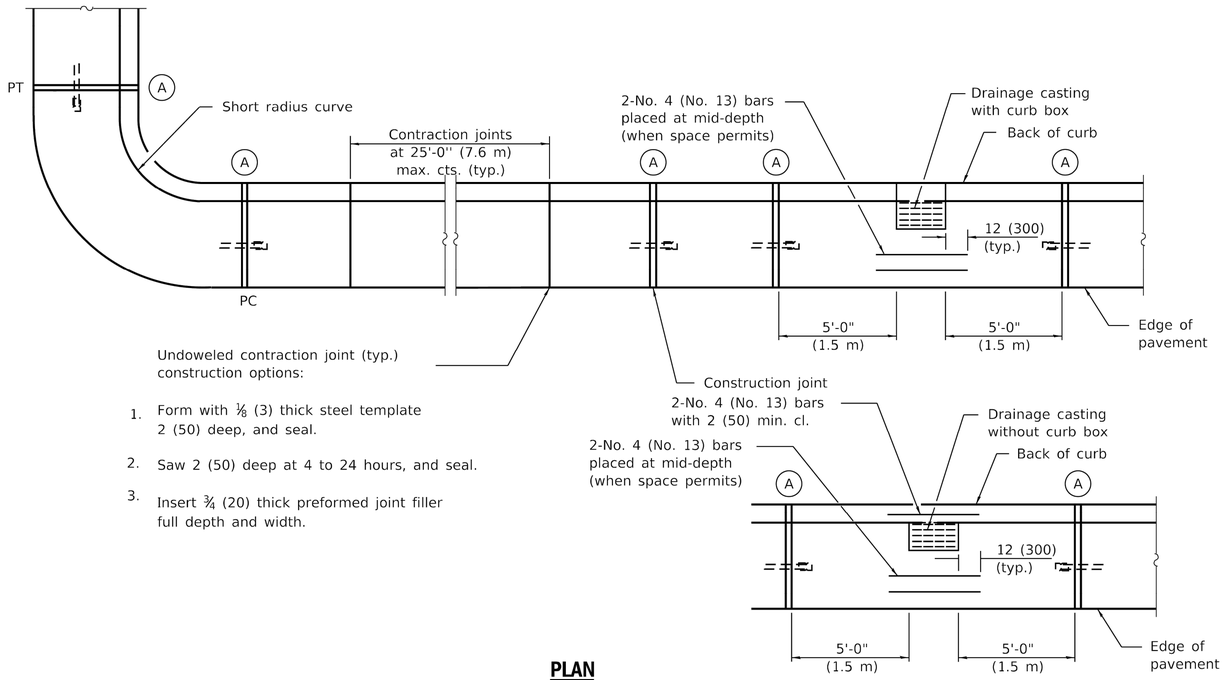
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

606001-08 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

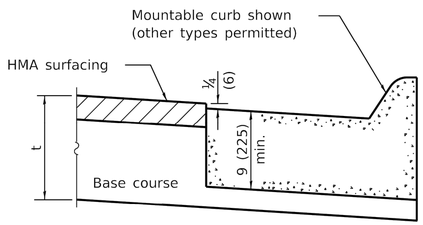
SCALE: VERT. N/A | SHEET NO. 1 OF 2 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	45
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

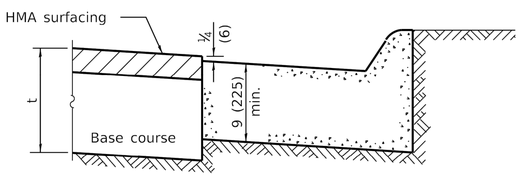
T:\1 CADD dwg\1 Resurfacing \2025\dwg\



PLAN

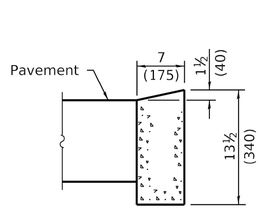


ON DISTURBED SUBGRADE

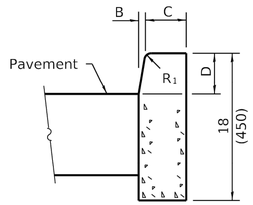


ON UNDISTURBED SUBGRADE

ADJACENT TO FLEXIBLE PAVEMENT

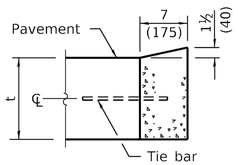


DEPRESSED CURB

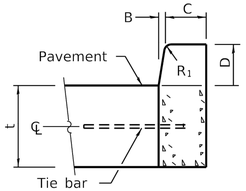


BARRIER CURB

ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB



BARRIER CURB

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

CONCRETE CURB TYPE B

Illinois Department of Transportation

PASSED January 1, 2022
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2022
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

(Sheet 2 of 2)

STANDARD 606001-08

PLAN: DRAWN, SHOWN, TIES, NOTE BOOK, NO. ____, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD, BY, DATE

PROFILE: DRAWN, SHOWN, TIES, NOTE BOOK, NO. ____, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD, BY, DATE

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 606001-08 2	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:33am	DATE – 01–05–2025	REVISED –

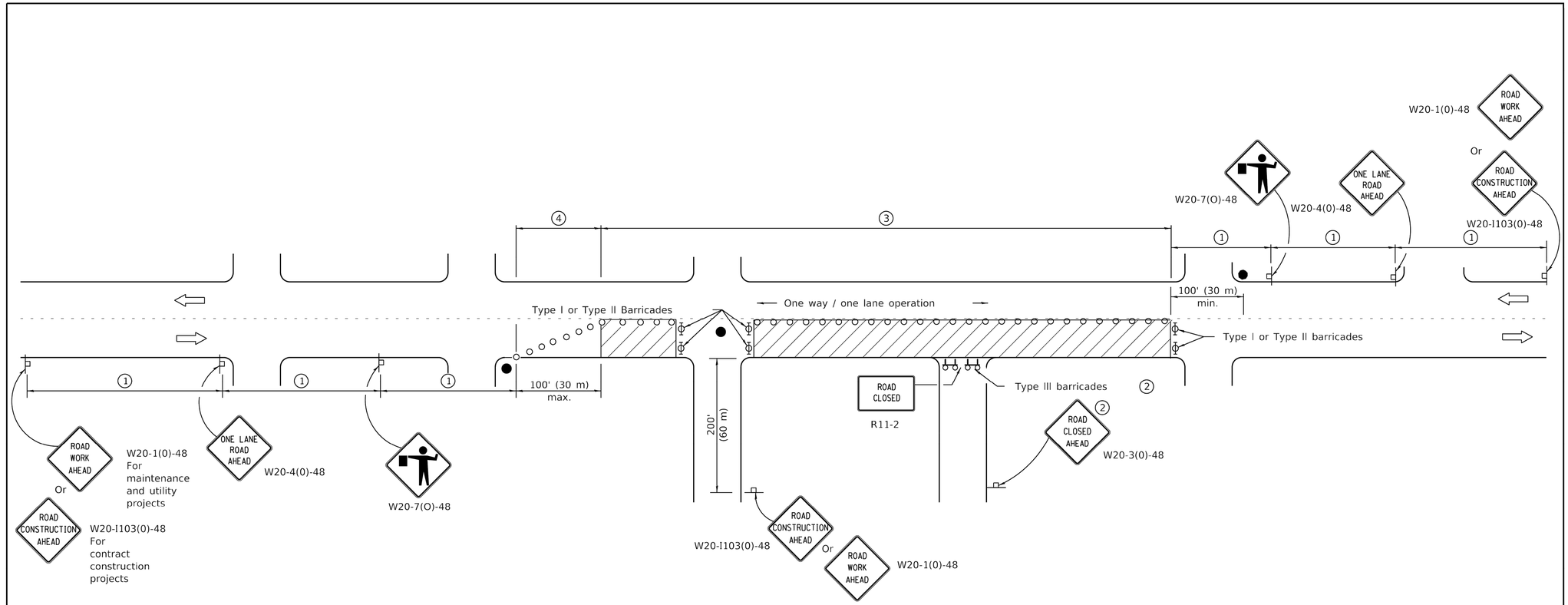
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

606001-08 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

SCALE: VERT. N/A | SHEET NO. 2 OF 2 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	46
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

T:\ CADD dwg\ Resurfacing\2025\dwg\



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- Work area
- Cone, drum or barricade (not required for moving operations)
- Sign on portable or permanent support
- Flagger with traffic control sign
- Barricade or drum with flashing light
- Type III barricade with flashing lights

(1) Refer to SIGN SPACING TABLE for distances.

(2) For approved sideroad closures.

(3) Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used. the interval between devices may be doubled.

(4) Cones, drums or barricades at 20' (6 m) centers.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities
encroach on the pavement requiring the closure of one traffic lane in an urban area.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2011
ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2011
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to
	English (metric).
	Corrected sign No.'s.

URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

STANDARD 701501-06

PLAN / PROFILE — SURVEYED — DRAWN — SHEET NO. — GRADES CHECKED — R.M. NOTED — STRUCTURE NOTATNS CH'KD — NOTE BOOK — NO. ——— — BY — DATE

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 701501-06	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:34am	DATE – 01–05–2025	REVISED –

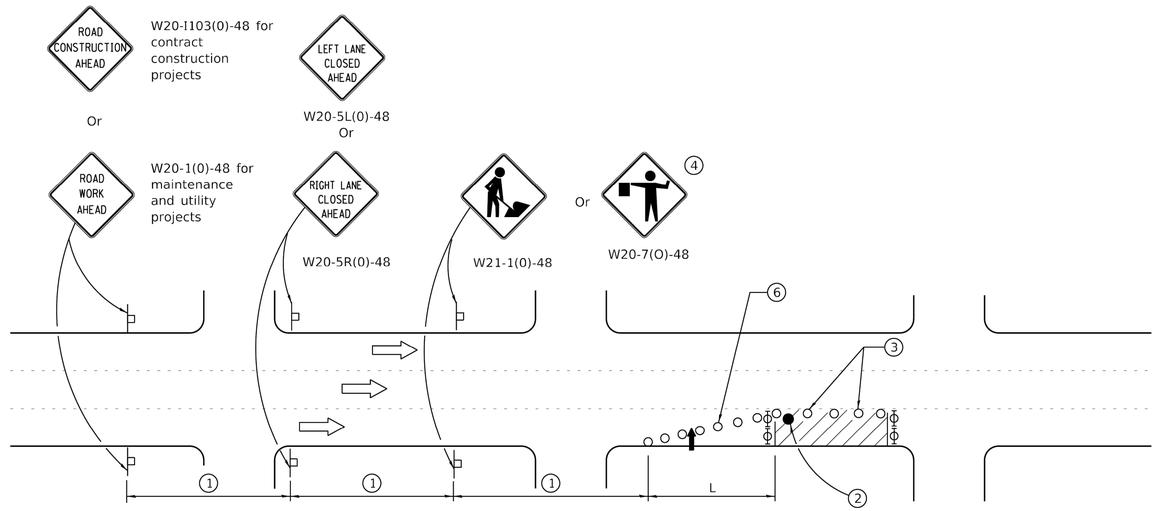
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

701501-06 URBAN LANE CLOSURE, 2L, 2W,UNDIVIDED

SCALE: VERT. N/A | SHEET NO. 1 OF 1 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	47
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

I:\1 CADD dwg\1 Resurfacing\2025\dwg\



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- Arrow board
- Cone, drum or barricade
- Sign on portable or permanent support
- Work area
- Barricade or drum with flashing light
- Type III barricade with flashing lights
- Flagger with traffic control sign.

1. Refer to SIGN SPACING TABLE for distances.
2. Required for speeds > 40 MPH
3. Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
4. Use flagger sign only when flagger is present.
5. For approved sideroad closures.
6. Cones, drums or barricades at 20' (6 m) in taper.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in urban areas.

Calculate L as follows:

SPEED LIMIT	FORMULAS English	(Metric)
40 mph (70 km/h) or less:	$L=\frac{WS^2}{60}$	$L=\frac{WS^2}{150}$
45 mph (80 km/h) or greater:	L=(W)(S)	L=0.65(W)(S)

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2014
ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-14	Revised workers sign
	number to agree with
	current MUTCD.
1-1-13	Omitted text 'WORKERS'
	sign.

URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN

(Sheet 1 of 2)

STANDARD 701601-09

PLAN: SURVEYED | DESIGNED | NOTE BOOK | NO. | GRADES CHECKED | R.M. NOTED | STRUCTURE NOTATNS CH'KD | BY | DATE

PROFILE: SURVEYED | DESIGNED | NOTE BOOK | NO. | GRADES CHECKED | R.M. NOTED | STRUCTURE NOTATNS CH'KD | BY | DATE

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 701601-09 1	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:34am	DATE – 01–05–2025	REVISED –

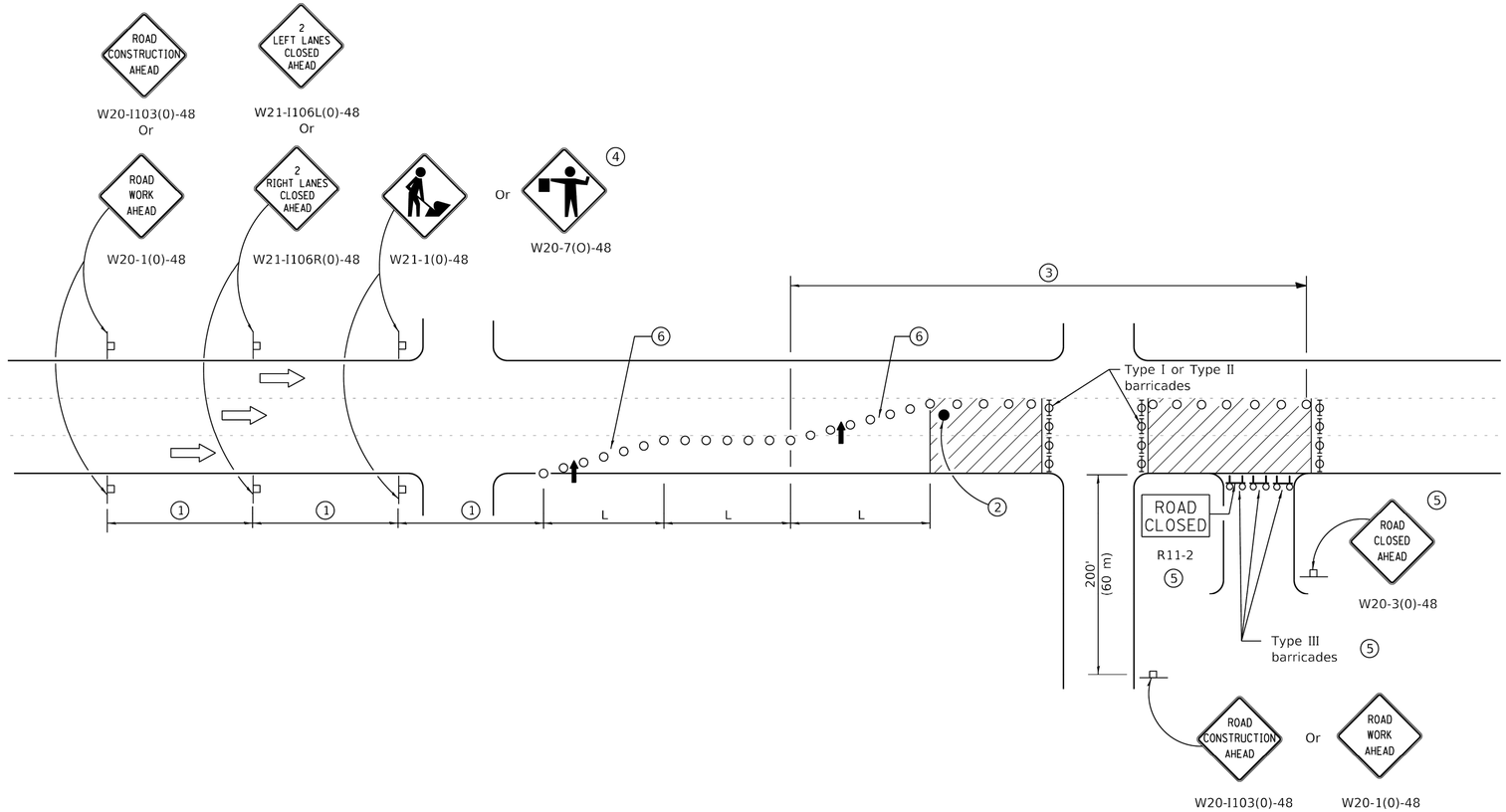
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN

SCALE: VERT. N/A | SHEET NO. 1 OF 2 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	48
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

T:\ CADD dwg\ Resurfacing\2025\dwg\



Illinois Department of Transportation

PASSED January 1, 2014
ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN

(Sheet 2 of 2)

STANDARD 701601-09

PLAN
SURVEYED
DRAWN
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CH'KD
NOTE BOOK
NO. ———
BY
DATE

PROFILE
SURVEYED
DRAWN
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CH'KD
NOTE BOOK
NO. ———
BY
DATE

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 701601-09 2	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:34am	DATE – 01–05–2025	REVISED –

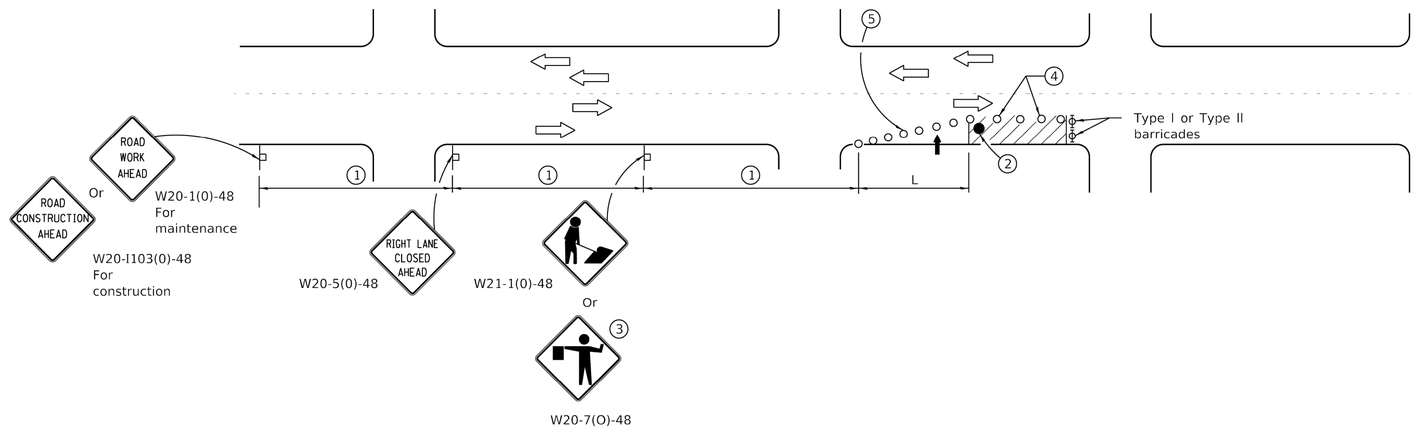
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN

SCALE: VERT. N/A | SHEET NO. 2 OF 2 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	49
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

I:\ CADD dwg\ Resurfacing\2025\dwg\



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- Arrow board
- Cone, drum or barricade
- Sign on portable or permanent support
- Work area
- Barricade or drum with flashing light
- Flagger with traffic control sign.

1. Refer to SIGN SPACING TABLE for distances.
2. Required for speeds > 40 mph.
3. Use flagger sign only when flagger is present.
4. Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
5. Cones, drums or barricades at 20' (6 m) centers in taper.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an Urban area.

Calculate L as follows:

SPEED LIMIT	FORMULAS English	(Metric)
40 mph (70 km/h) or less:	$L=\frac{WS^2}{60}$	$L=\frac{WS^2}{150}$
45 mph (80 km/h) or greater:	L=(W)(S)	L=0.65(W)(S)

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2015
ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-15	Renamed standard. Moved
	case on Sheet 2 to new
	Highway Standard.
1-1-14	Revised workers sign
	number to agree with
	current MUTCD.

URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN

STANDARD 701606-10

PLAN / PROFILE
SURVEYED BY
DRAWN BY
NOTE BOOK
NO. _____
GRADES CHECKED
R.M. NOTED
STRUCTURE NOTATNS CHKD
DATE

D:\1 CADD dwg\1 Resurfacing\2025\dwg\

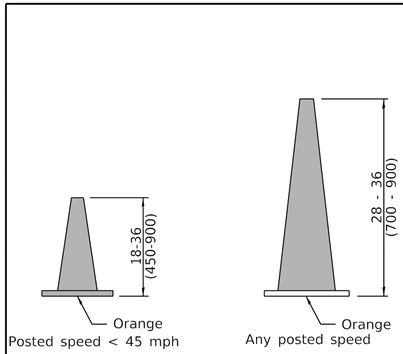
FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 701606-10	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:34am	DATE – 01–05–2025	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

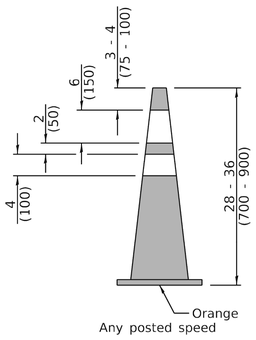
701606-10 URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN

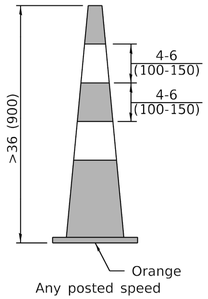
SCALE: VERT. N/A | SHEET NO. 2 OF 2 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	50
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		



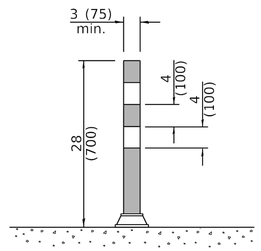
DAYTIME USE



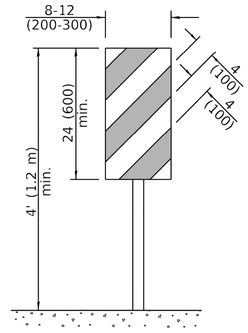


DAY OR NIGHTTIME USE

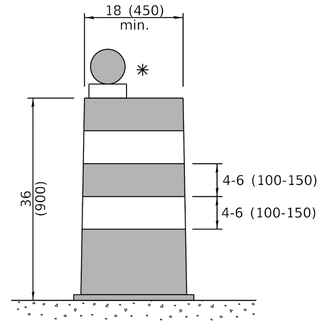
CONES



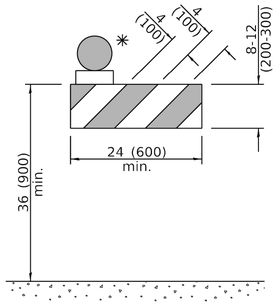
TUBULAR MARKER



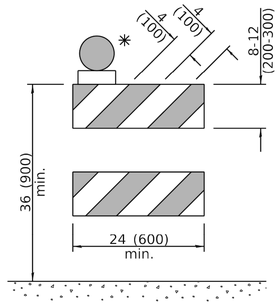
VERTICAL PANEL
POST MOUNTED



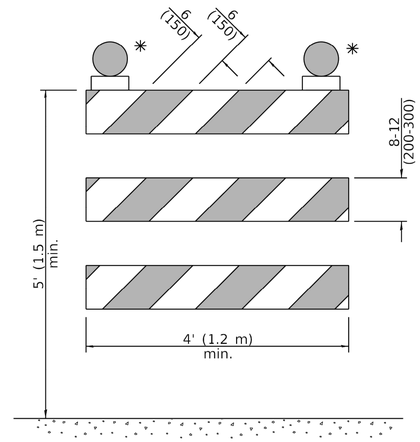
DRUM



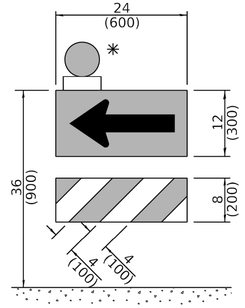
TYPE I BARRICADE



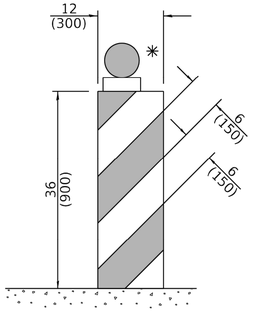
TYPE II BARRICADE



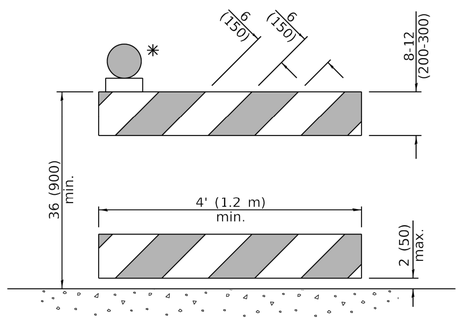
TYPE III BARRICADE



DIRECTION INDICATOR BARRICADE



VERTICAL BARRICADE



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

✳ Warning lights (if required)

GENERAL NOTES

All heights shown shall be measured above the pavement surface.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2019
ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-13

DATE	REVISIONS
1-1-19	Revised cone usage and
	added cones >36" (900 m) height.
1-1-18	Revised END WORK ZONE
	SPEED LIMIT sign from
	orange to white background.

TRAFFIC CONTROL DEVICES

(Sheet 1 of 3)

STANDARD 701901-08

PLAN — SURVEYED — BY — DATE; DRAWN — BY; TRACED — BY; GRADES CHECKED; R.M. NOTED; STRUCTURE NOTATNS CH'KD; NOTE BOOK; NO. ____

PROFILE — SURVEYED — BY — DATE; DRAWN — BY; TRACED — BY; GRADES CHECKED; R.M. NOTED; STRUCTURE NOTATNS CH'KD; NOTE BOOK; NO. ____

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 701901-08 1	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:34am	DATE – 01–05–2025	REVISED –

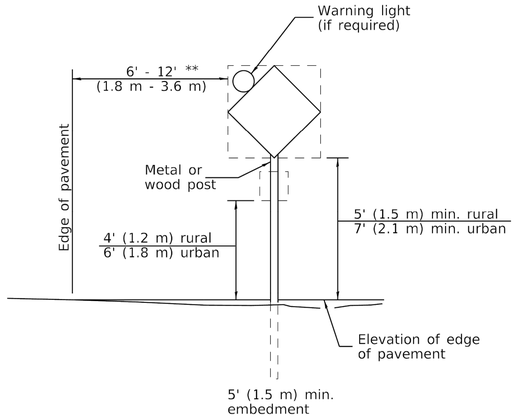
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

701901-08 TRAFFIC CONTROL DEVICES

SCALE: VERT. N/A | SHEET NO. 1 OF 3 SHEETS

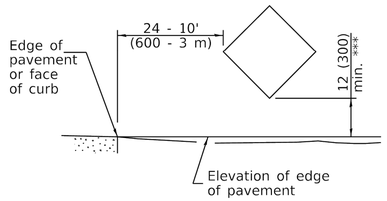
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	51
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

T:\C CADD dwg\1 Resurfacing\2025\dwg\



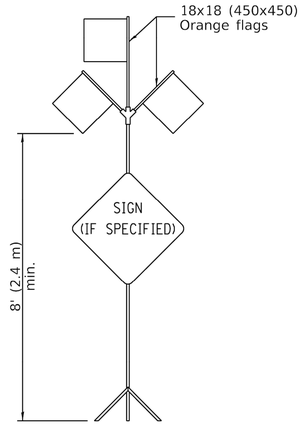
POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.



HIGH LEVEL WARNING DEVICE

ROAD CONSTRUCTION NEXT X MILES

G20-I104(0)-6036

END CONSTRUCTION

G20-I105(0)-6024

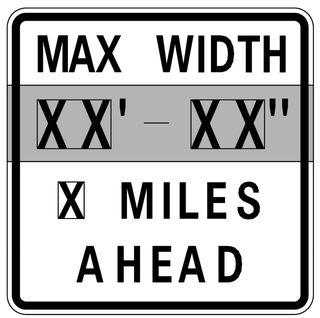
This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

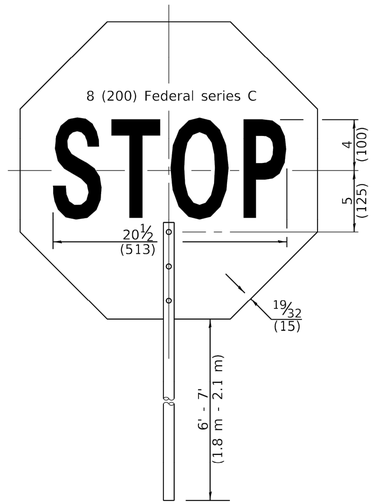
WORK LIMIT SIGNING



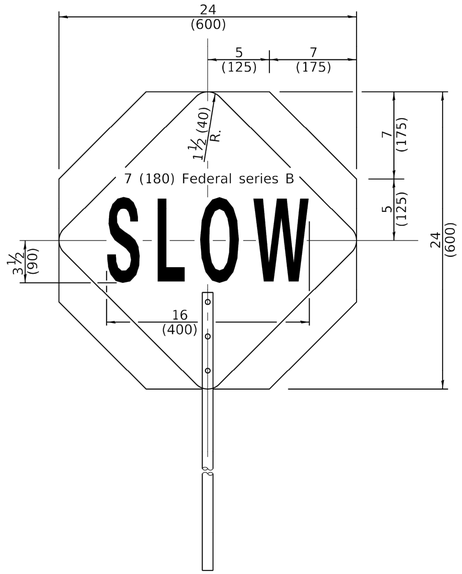
W12-I103-4848

WIDTH RESTRICTION SIGN

XX'-XX" width and X miles are variable.



FRONT SIDE



REVERSE SIDE

FLAGGER TRAFFIC CONTROL SIGN

WORK ZONE — W21-III5(0)-3618

SPEED LIMIT XX — R2-1-3648

PHOTO ENFORCED — R10-I108p-3618 ****

$XXX FINE MINIMUM — R2-I106p-3618

Sign assembly as shown on Standards or as allowed by District Operations.

END WORK ZONE SPEED LIMIT — G20-I103-6036

This sign shall be used when the above sign assembly is used.

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

**** R10-I108p shall only be used along roadways under the juristiction of the State.

Illinois Department of Transportation

APPROVED January 1, 2019
ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-13

TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

STANDARD 701901-08

PLAN: SURVEYED — DESIGNED — QUANTITIES — GRADES CHECKED — R.M. NOTED — STRUCTURE NOTATNS CH'KD — NOTE BOOK — NO. ____ — BY — DATE

PROFILE: SURVEYED — DESIGNED — QUANTITIES — GRADES CHECKED — R.M. NOTED — STRUCTURE NOTATNS CH'KD — NOTE BOOK — NO. ____ — BY — DATE

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 701901-08 2	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:34am	DATE – 01–05–2025	REVISED –

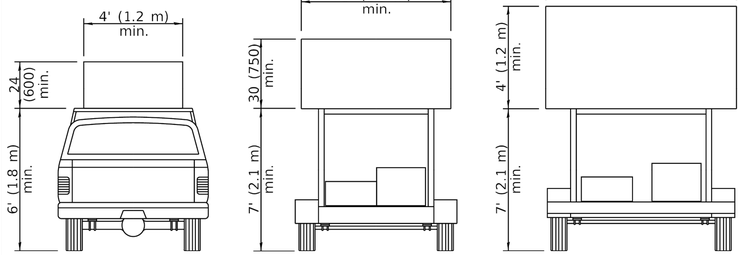
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

701901-08 TRAFFIC CONTROL DEVICES

SCALE: VERT. N/A | SHEET NO. 2 OF 3 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	52
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

T:\1 CADD dwg\1 Resurfacing\2025\dwg\

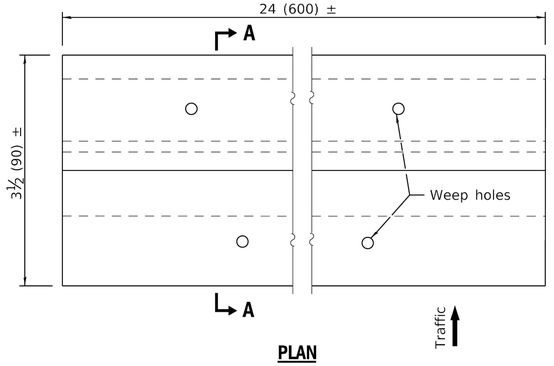


TYPE A ROOF MOUNTED

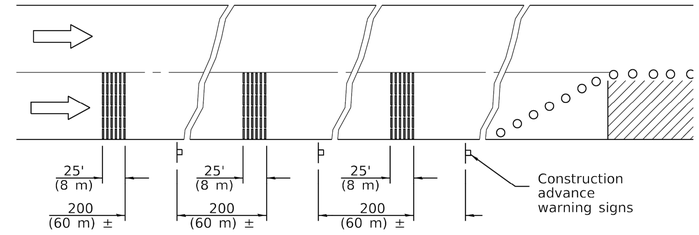
TYPE B ROOF OR TRAILER MOUNTED

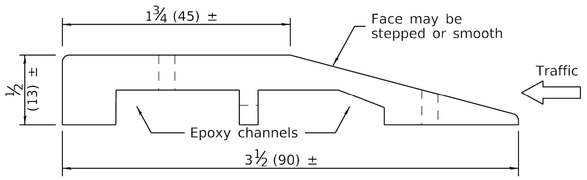
TYPE C TRAILER MOUNTED

ARROW BOARDS

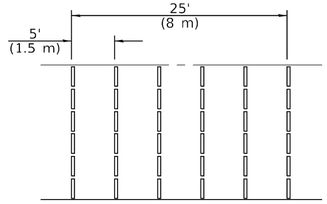


PLAN



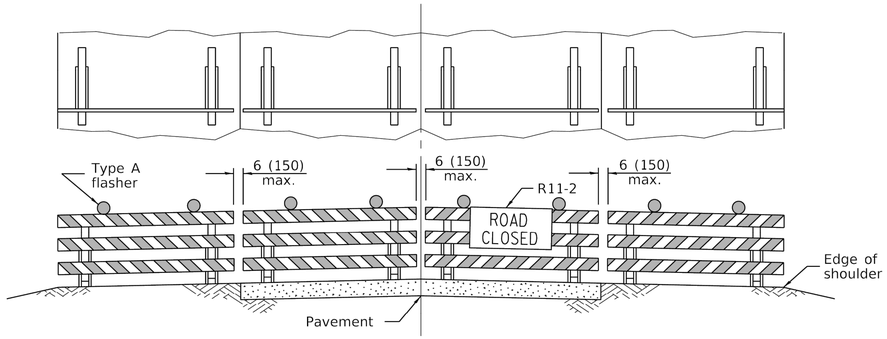


SECTION A-A



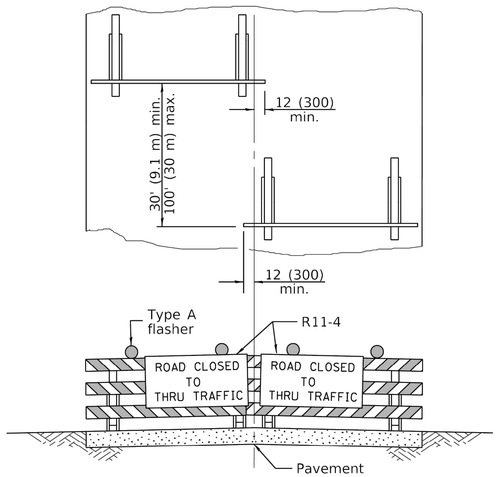
TYPICAL INSTALLATION

TEMPORARY RUMBLE STRIPS



ROAD CLOSED TO ALL TRAFFIC

Reflectorized striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.



ROAD CLOSED TO THRU TRAFFIC

Reflectorized striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

Illinois Department of Transportation

APPROVED January 1, 2019
ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-13

TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 701901-08

PLAN — SURVEYED | DRAWN | TRACED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATNS CH'KD | NOTE BOOK | NO. ____ | BY | DATE

PROFILE — SURVEYED | DRAWN | TRACED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATNS CH'KD | NOTE BOOK | NO. ____ | BY | DATE

I:\1 CADD dwg\1 Resurfacing\2025\dwg\

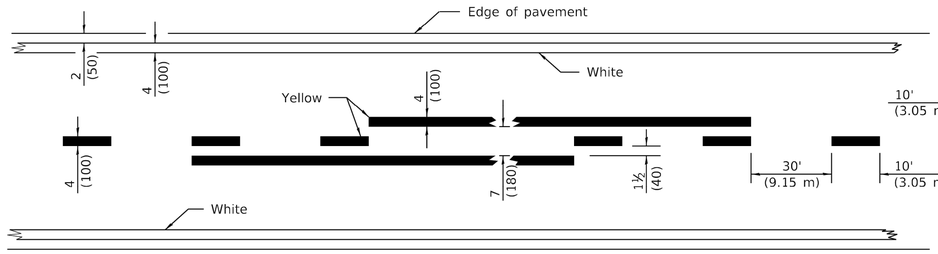
FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 701901-08 3	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:34am	DATE – 01–05–2025	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

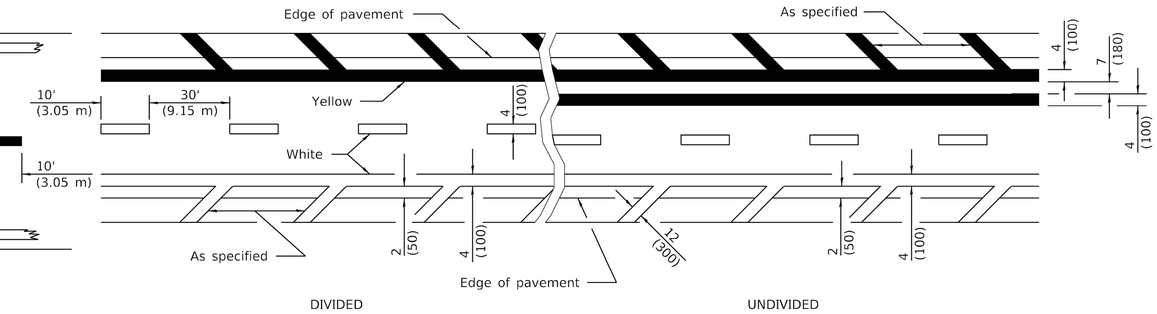
701901-08 TRAFFIC CONTROL DEVICES

SCALE: VERT. N/A | SHEET NO. 3 OF 3 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	53
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

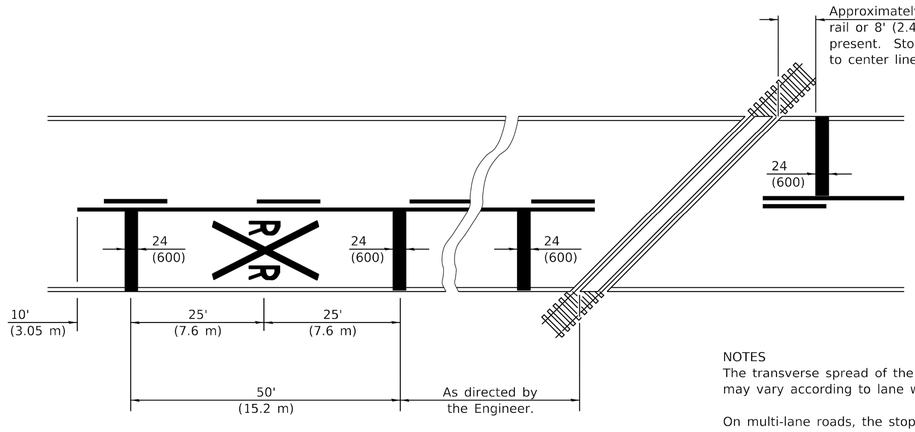


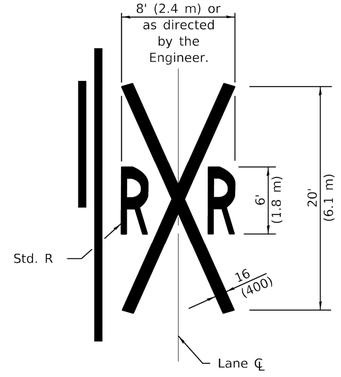
2 LANE



MULTI LANE

LANE AND EDGE LINES





NOTES
The transverse spread of the "X" may vary according to lane width.

On multi-lane roads, the stop lines shall extend across all approach lanes and separate RXR symbols shall be placed adjacent to each other in each lane.

When the pavement marking symbol is used, a portion of the symbol should be located directly adjacent to the Advance Warning Sign (W10-1) as placed by Table 2C-4, Condition B of the MUTCD.

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2015
ENGINEER OF OPERATIONS
APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-97

DATE	REVISIONS
1-1-15	Added symbols. Revised
	bike symbol. Revised note
	for stop line at RR crossing.
1-1-14	Added bike symbol. Renamed
	'LANE DROP ARROW' detail to
	'LANE-REDUCTION ARROW'.

TYPICAL PAVEMENT MARKINGS

(Sheet 1 of 3)

STANDARD 780001-05

PLAN: SURVEYED | DRAWN | TRACED | NOTE BOOK | NO. ——— | BY | DATE | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATNS CH'KD

PROFILE: SURVEYED | DRAWN | TRACED | NOTE BOOK | NO. ——— | BY | DATE | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATNS CH'KD

D:\1 CADD dwg\1 Resurfacing\2025 dwg\

FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 780001–05 1	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:34am	DATE – 01–05–2025	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

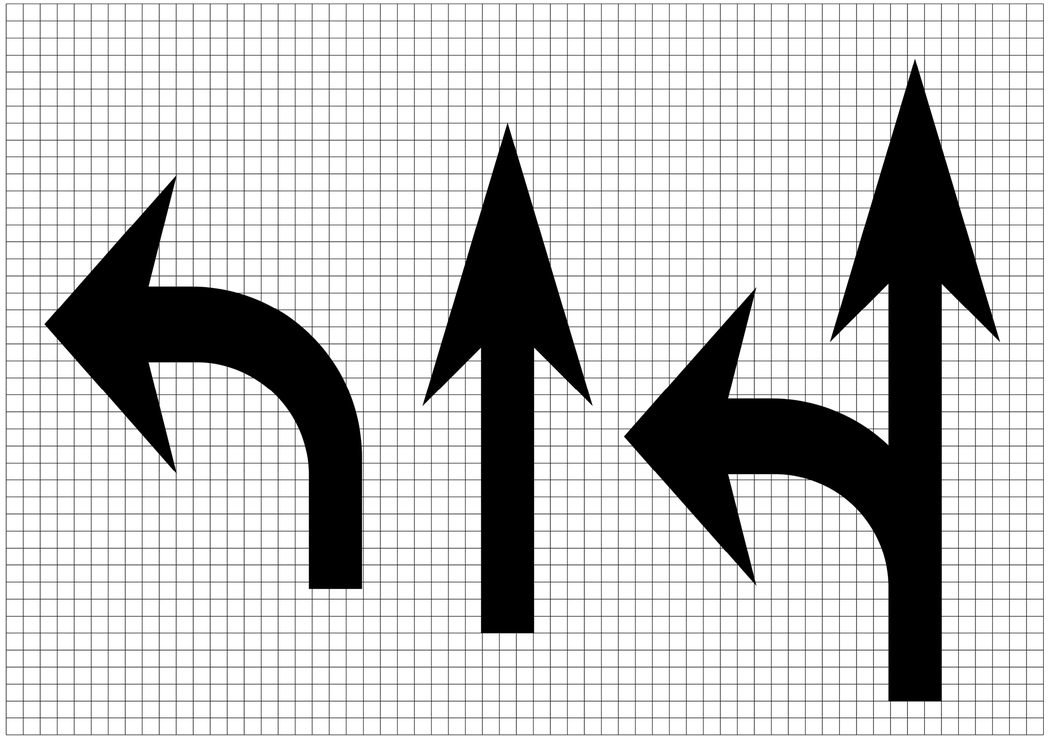
780001-05 TYPICAL PAVEMENT MARKINGS

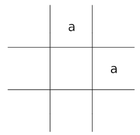
SCALE: VERT. N/A | SHEET NO. 1 OF 3 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	54
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

PLAN
SURVEYED
DRAWN
NOTE BOOK
NO. ____
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CH'KD
BY
DATE

PROFILE
SURVEYED
DRAWN
NOTE BOOK
NO. ____
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CH'KD
BY
DATE





Legend Height	Arrow Size	a
6' (1.8 m)	Small	2.9 (74)
8' (2.4 m)	Large	3.8 (96)

The space between adjacent letters or numerals should be approximately 3 (75) for 6' (1.8 m) legend and 4 (100) for 8' (2.4 m) legend.

LETTER AND ARROW GRID SCALE

Illinois Department of Transportation

PASSED January 1, 2015
ENGINEER OF OPERATIONS

APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

TYPICAL PAVEMENT MARKINGS

(Sheet 2 of 3)

STANDARD 780001-05

T:\(CADD dwg\ Resurfacing\2025\dwg\

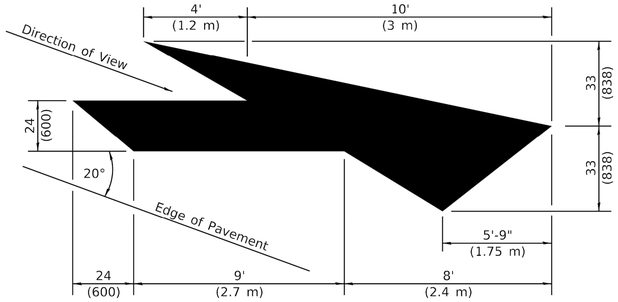
FILE NAME = 2025 RESURF IDOT DETAILS.dwg	USER NAME = chomuth	DESIGNED – AS	REVISED –
	LAYOUT NAME = 780001-05 2	DRAWN – CH	REVISED –
	PLOT SCALE = 20.00' / IN.	CHECKED – JM	REVISED –
	PLOT DATE = Feb 11, 2025–11:35am	DATE – 01–05–2025	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

780001-05 TYPICAL PAVEMENT MARKINGS

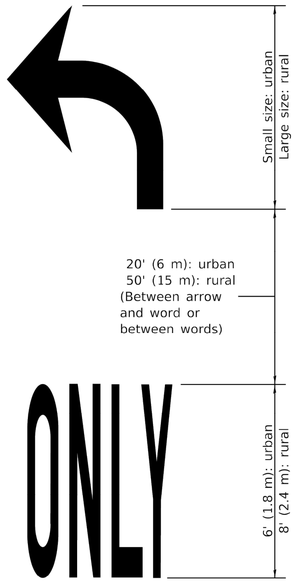
SCALE: VERT. N/A | SHEET NO. 2 OF 3 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	55
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		

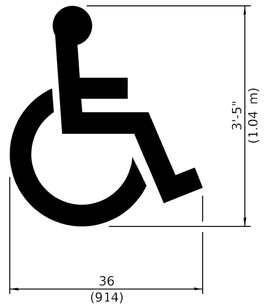


LANE-REDUCTION ARROW

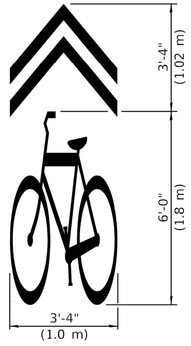
Right lane-reduction arrow shown.
Use mirror image for left lane.



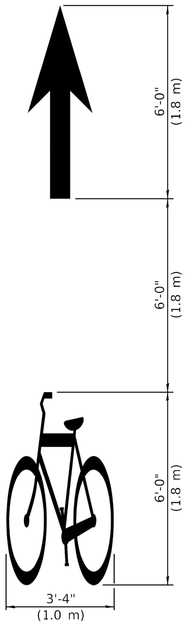
WORD AND ARROW LAYOUT



INTERNATIONAL SYMBOL OF ACCESSILITY

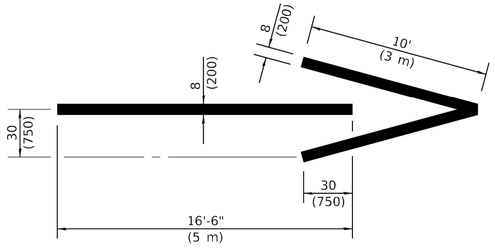


SHARED LANE SYMBOL



BIKE SYMBOL

(Arrow is optional.)



WRONG WAY ARROW

Illinois Department of Transportation

PASSED January 1, 2015
ENGINEER OF OPERATIONS

APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

TYPICAL PAVEMENT MARKINGS

(Sheet 3 of 3)

STANDARD 780001-05

PLAN / PROFILE

BY	DATE
SURVEYED	
DESIGNED	
DRAWN	
TRACED	
GRADES CHECKED	
R.M. NOTED	
STRUCTURE NOTATNS CH'KD	

NOTE BOOK
NO. _____

FILE NAME = 2025 RESURF IDOT DETAILS.dwg
T:\ CADD dwg\ Resurfacing\2025\dwg\

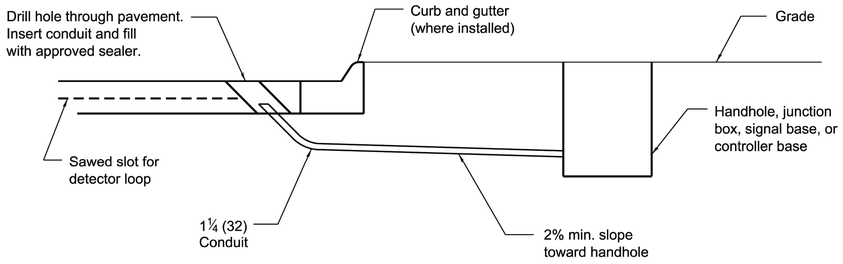
USER NAME = chomuth	DESIGNED – AS	REVISED –	
LAYOUT NAME = 780001-05 3	DRAWN – CH	REVISED –	
PLOT SCALE = 20.00' / IN.	CHECKED – MAP	REVISED –	
PLOT DATE = Feb 11, 2025–11:35am	DATE – 01–05–2025	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

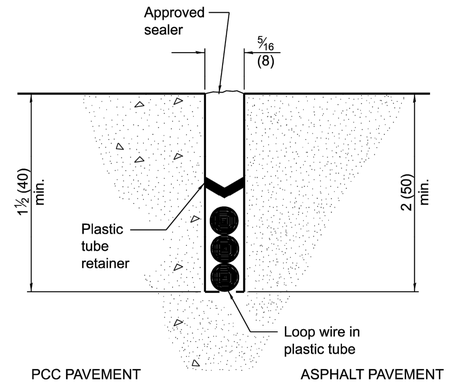
780001-05 TYPICAL PAVEMENT MARKINGS

SCALE: VERT. N/A | SHEET NO. 3 OF 3 SHEETS

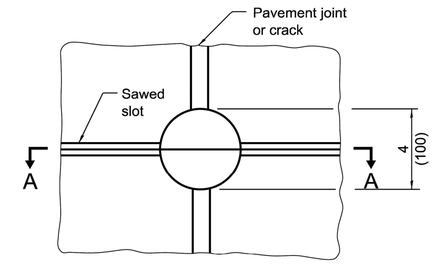
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	56
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		



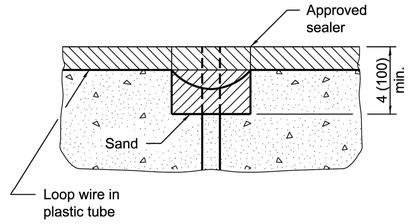
DETECTOR LOOP LEAD-IN



DETECTOR LOOP INSTALLATION



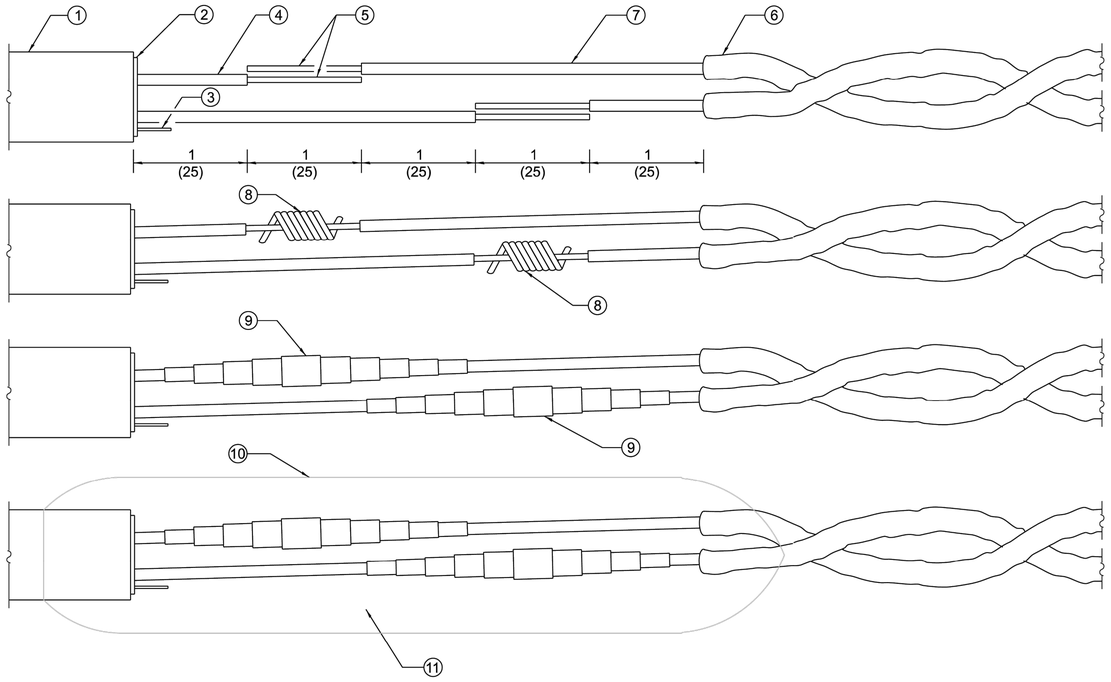
PLAN



SECTION A-A

NOTE
Loop wire shall follow saw cut to bottom, forming slack section at joint.

DETECTOR LOOP AT PAVEMENT JOINT OR PAVEMENT CRACK



LOOP WIRE AND LEAD-IN CABLE SPLICE

① = Lead-in cable (single pair or multipair)
② = Lead-in cable shield
③ = Lead-in cable shield drain-wire
④ = Lead-in cable insulated conductor
⑤ = Bare conductor
⑥ = Loop wire in tube
⑦ = Loop wire insulated conductor
⑧ = Twisted and resin soldered conductor
⑨ = Electrical tape insulated spice
⑩ = Rigid mold
⑪ = Waterproof and dielectric resin

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2009
ENGINEER OF OPERATIONS
APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-02

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-02	Renum. Standard 846001.

DETECTOR LOOP INSTALLATIONS

STANDARD 886001-01

PLAN / PROFILE — BY — DATE — CHECKED — DESIGNED — GRADES CHECKED — NOTE BOOK — B.M. NOTED — NO. ____ — STRUCTURE NOTATNS CH'KD

T:\1 CADD dwg\1 Resurfacing\2025\dwg\

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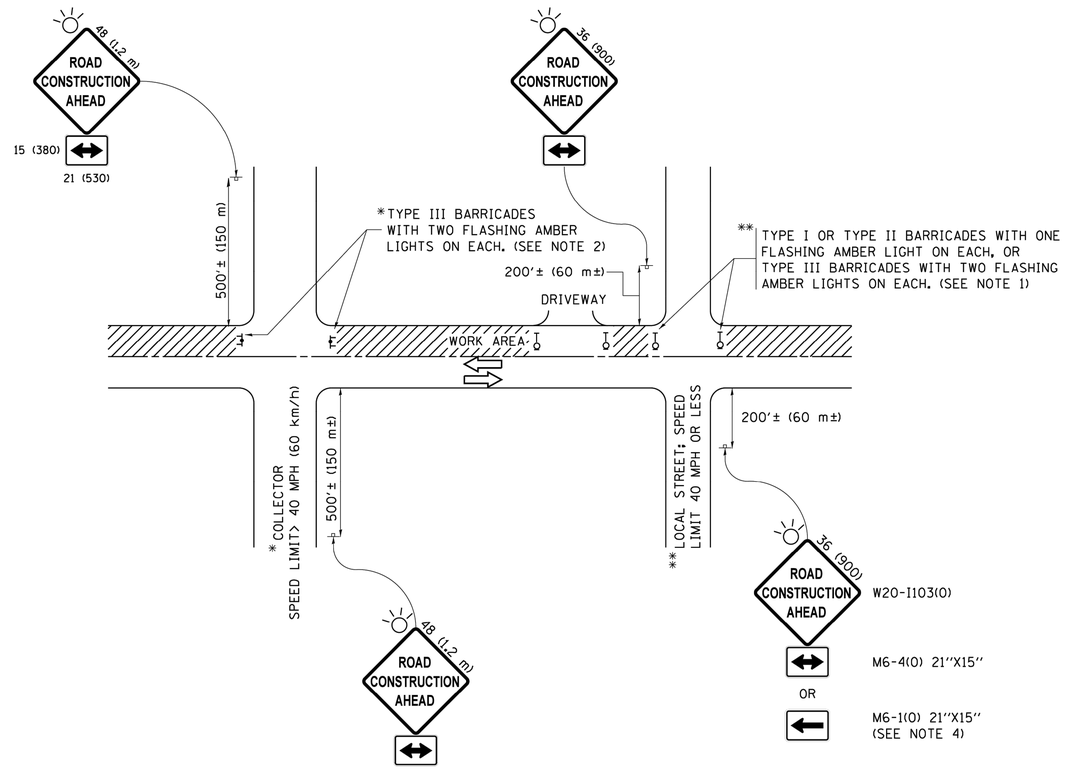
	PLOT SCALE = 20.00' / IN.	CHECKED – MAP	REVISED –
	PLOT DATE = Feb 11, 2025–11:35am	DATE – 01–05–2025	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

886001-01 DETECTOR LOOP INSTALLATIONS

SCALE: VERT. N/A | SHEET NO. 3 OF 3 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----	COOK	62	57
		CONTRACT NO.		
FED ROAD DIST NO. 1	ILLINOIS	FED. AID PROJECT		



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE ''ROAD CONSTRUCTION AHEAD'' SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE ''ROAD CONSTRUCTION AHEAD'' SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\District 1\CADData\CADsheets\tc10.dgn	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
		DRAWN	REVISED -T. RAMMACHER 01-06-00
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
Default	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

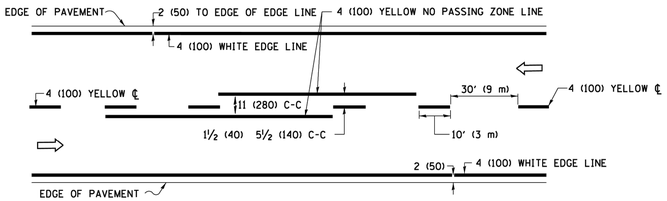
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

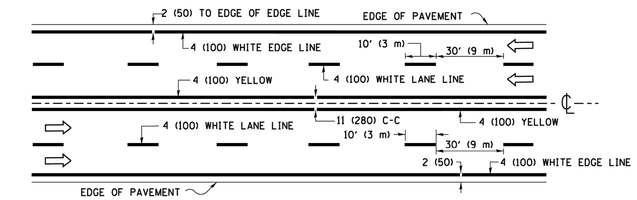
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----		62	58
	TC-10	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

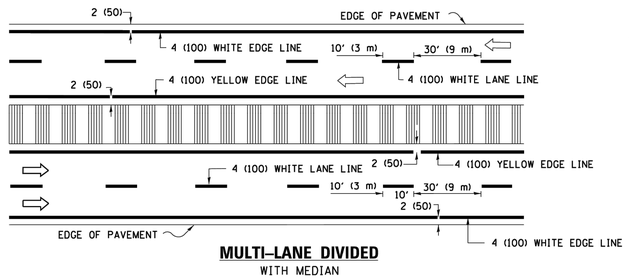
tc10.dgn 9/15/2016 12:46:49 PM User=footemj



2–LANE ROADWAY

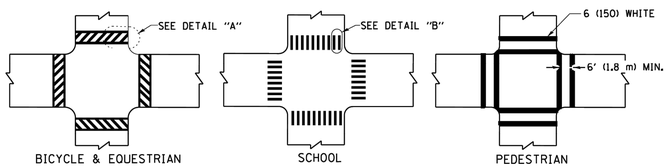


MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

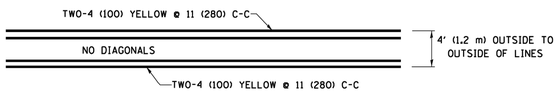
TYPICAL LANE AND EDGE LINE MARKING



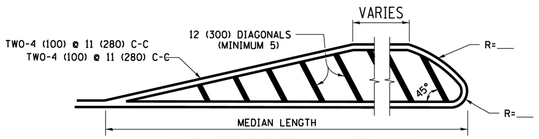
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

✳ MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



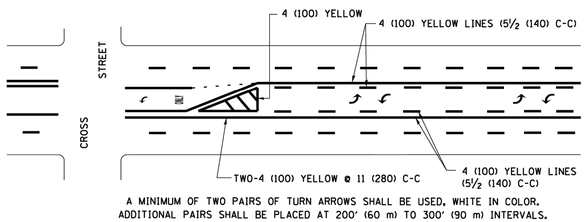
4' (1.2 m) WIDE MEDIANS ONLY



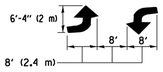
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

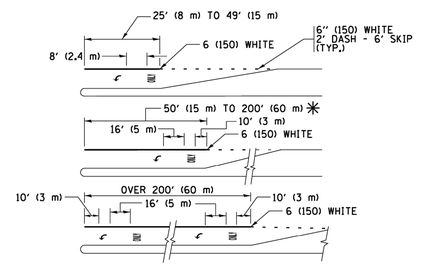


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

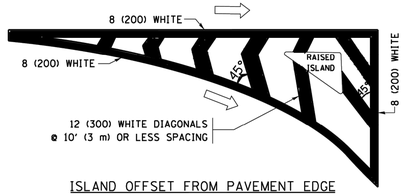


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) **ONLY** AREA = 20.8 SQ. FT. (1.9 m^2)

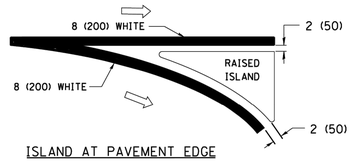
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

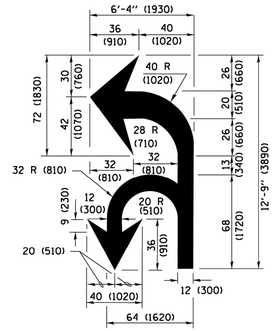


ISLAND OFFSET FROM PAVEMENT EDGE

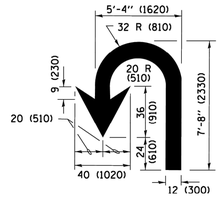


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN

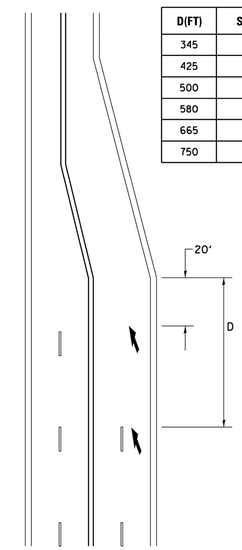


U–TURN

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 ⧈ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 ⧈ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 ⧈ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 ⧈ 6 (150) 12 (300) ⧈ 45° 12 (300) ⧈ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 ⧈ 4 (100) WITH 12 (300) DIAGONALS ⧈ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS ⧈ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) ⧈ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.



D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

LANE REDUCTION TRANSITION

✳ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

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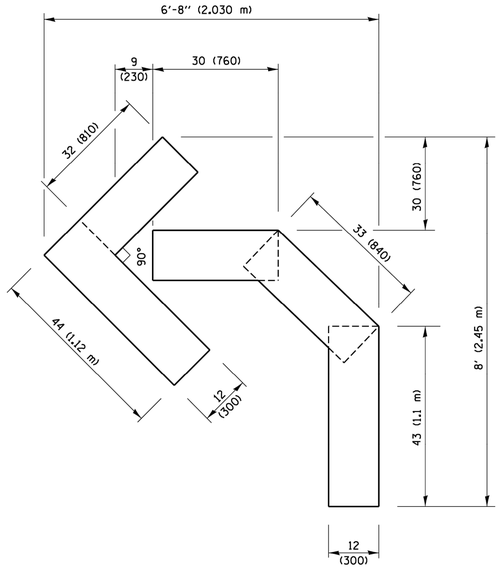
		DRAWN -	REVISED - C. JUCIUS 07-01-13	
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15	
	PLOT DATE = 6/23/2017	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

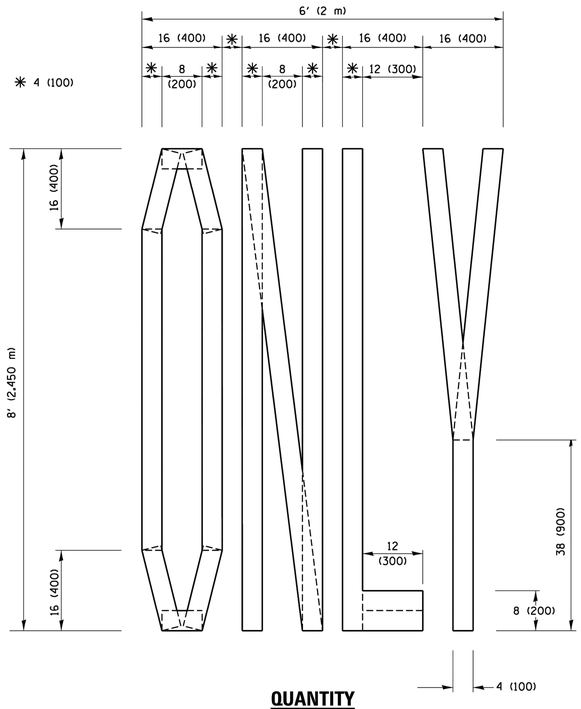
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----		62	59
	TC-13	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

tc13.dgn 6/23/2017 9:41:34 AM User=leysa



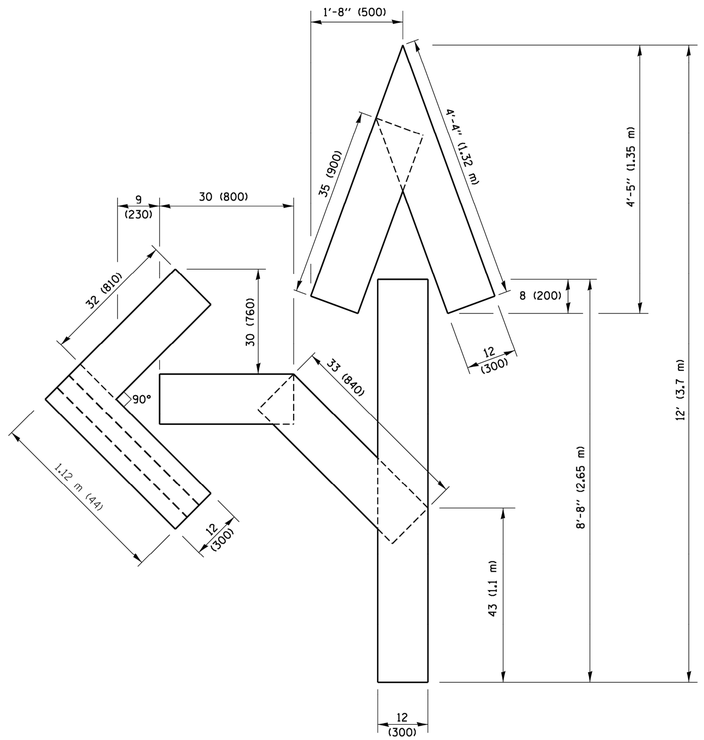
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

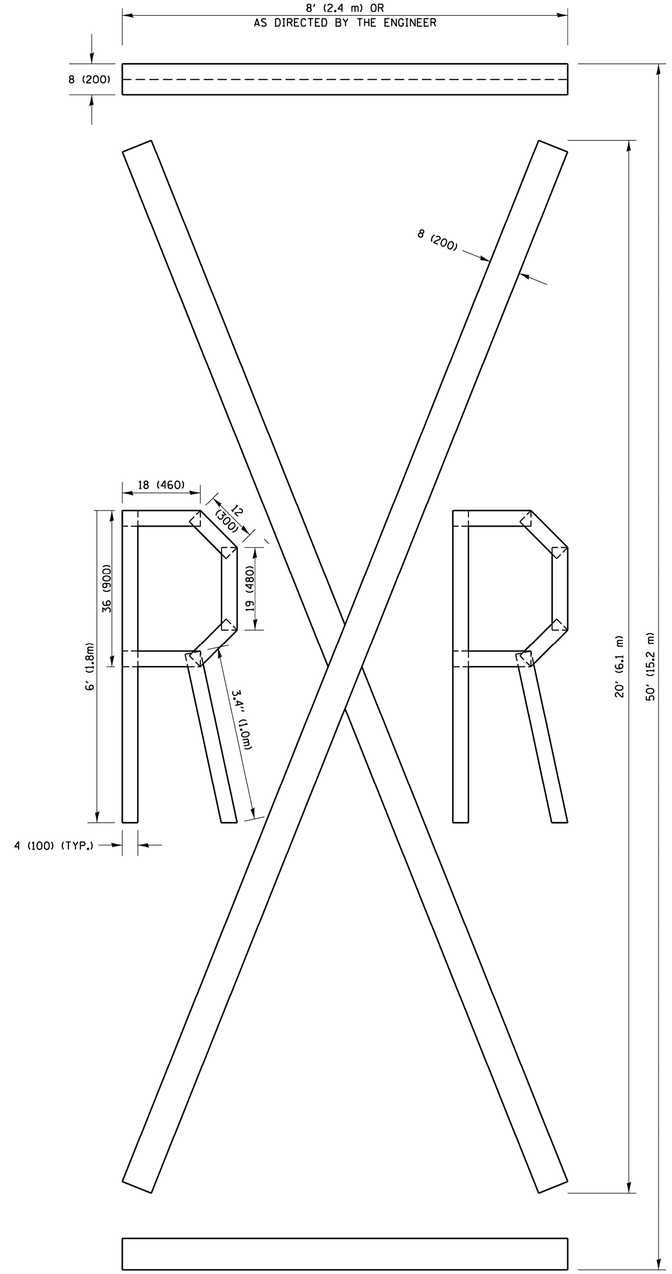


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

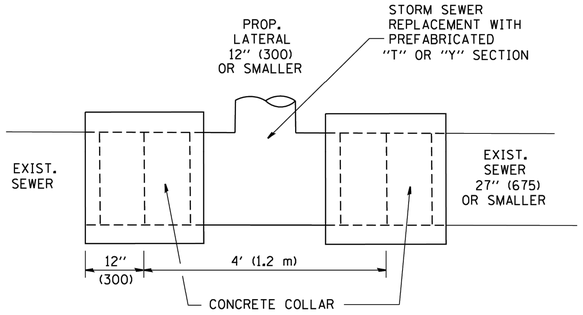
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist\CADData\CADsheets\tc16.dgn	USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
		DRAWN -	REVISED - E. GOMEZ 08-28-00
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
	PLOT DATE = 9/15/2016	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

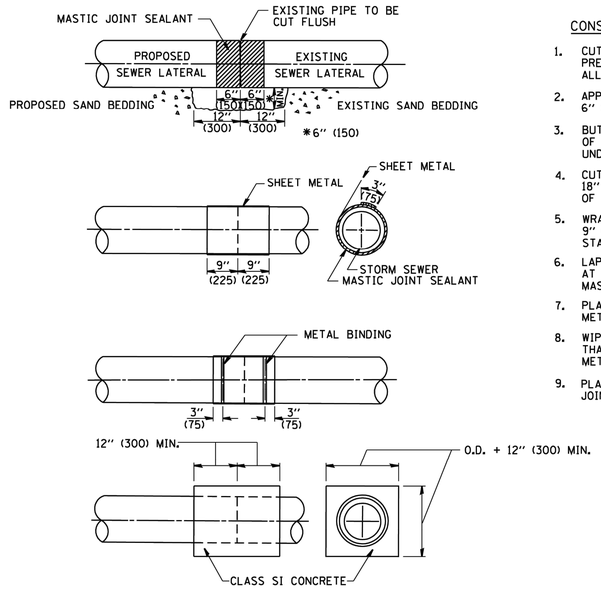
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----		62	60
	TC-16	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER

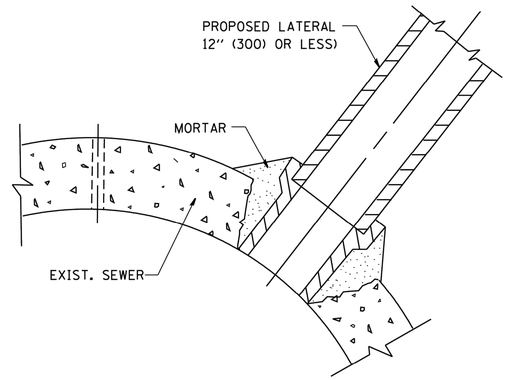


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:

A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".

B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

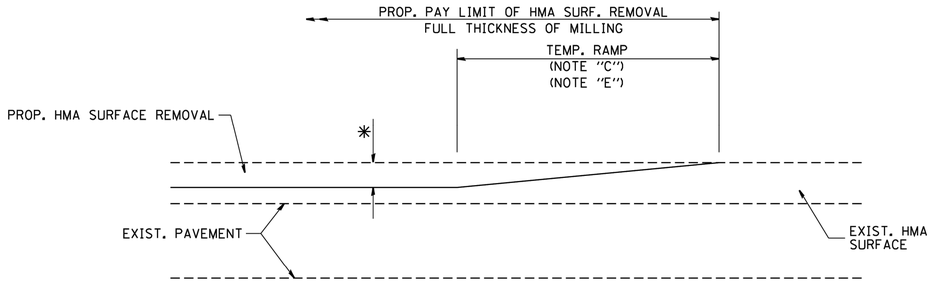
REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

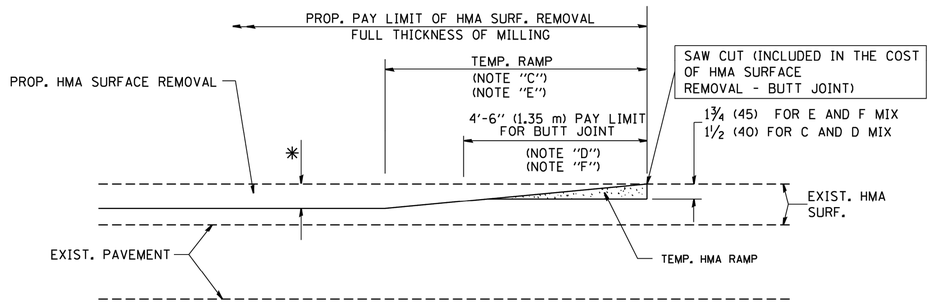
FILE NAME = W:\diststd\22x34\bd07.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. SHAH 09-09-94						62	61
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94				----			
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	BD500-01 (BD-7)		CONTRACT NO.		
						FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

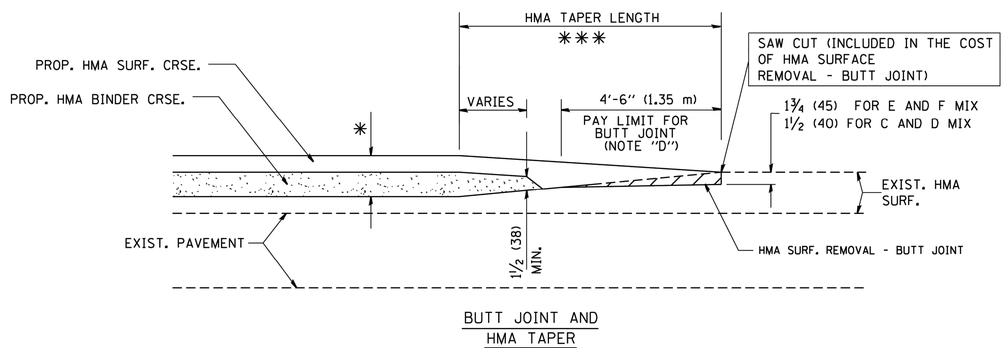


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

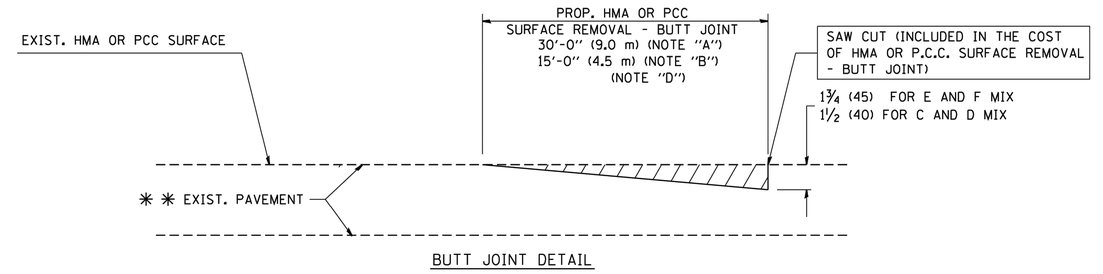
OPTION 2

TYPICAL TEMPORARY RAMP

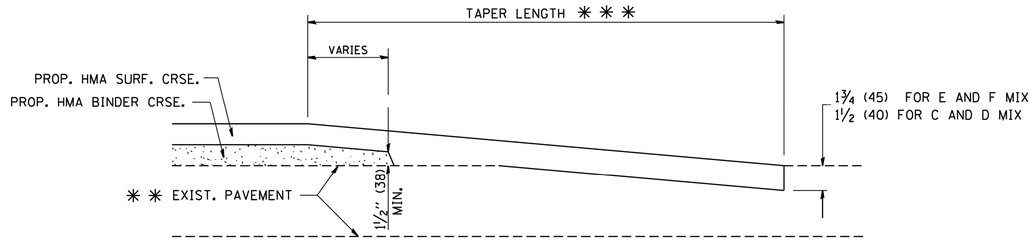


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

* * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

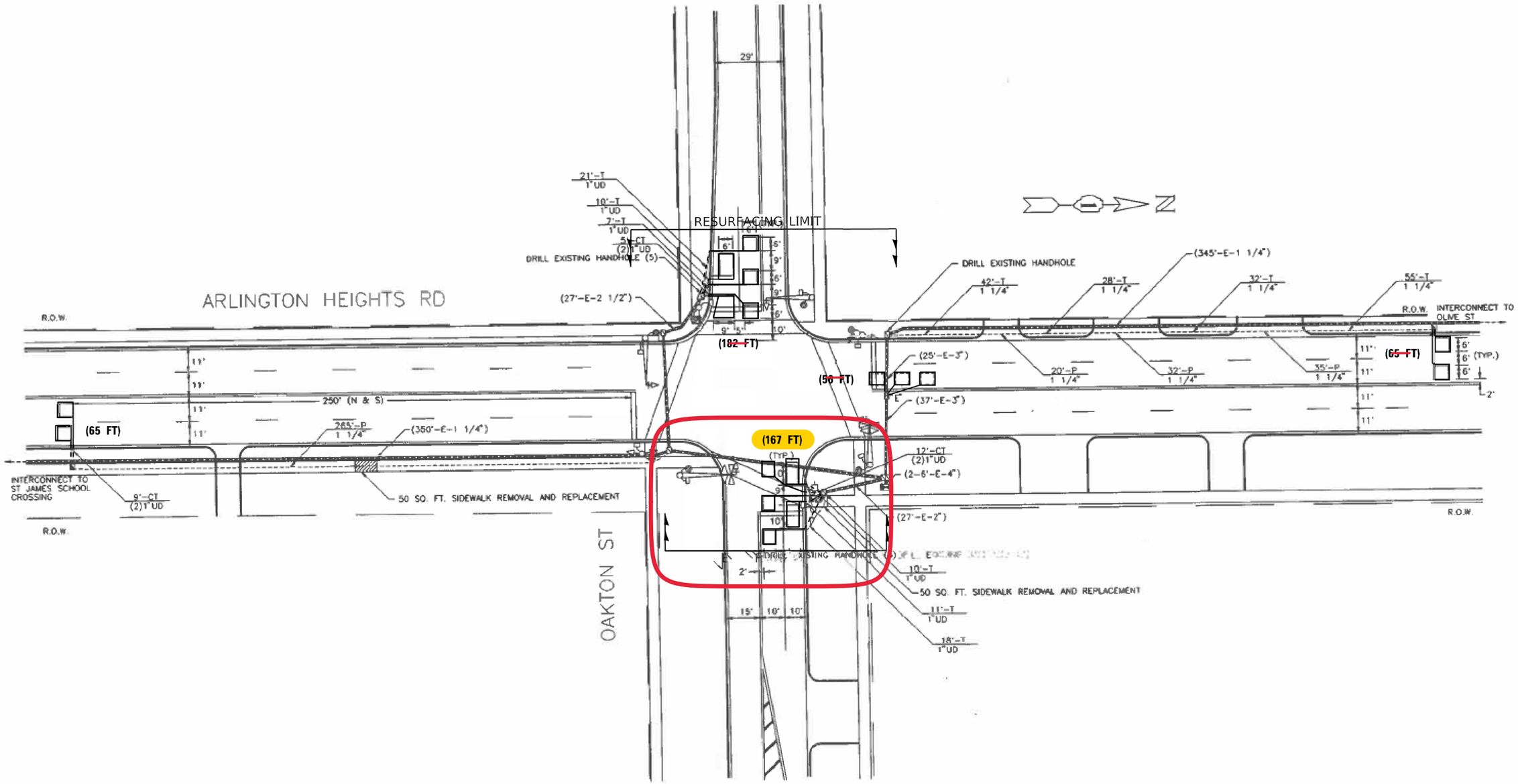
BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS
		DRAWN -	REVISED - A. ABBAS 03-21-97		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01		
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	----		62	62
	BD400-05 BD32	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS.

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	~~535~~	FOOT

TS#4125
Econ 94

USER NAME = mezag	DESIGNED - STEVEN M. NGUYEN	REVISED -	
	DRAWN - GONZALO MEZA	REVISED -	
PLOT SCALE = 40.0000 ' / In.	CHECKED - STEVEN M. NGUYEN	REVISED -	
PLOT DATE = 10/28/2020	DATE - 09/25/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMC DETECTOR LOOP REPLACEMENT PLAN
ARLINGTON HEIGHTS RD. AT OAKTON ST.

SCALE: 1":20' | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	2020-115-RS&SW	COOK	129	51
		CONTRACT NO. 62L93		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: C:\Users\mezag\Desktop\Detector Loops\2019-20\62L93 (Arlington Heights-Cook)\CADD\TS#4125 Arlington Heights @ Oakton St.dgn

VILLAGE OF ARLINGTON HEIGHTS
FINANCE DEPARTMENT, PURCHASING DIVISION
33 S. ARLINGTON HEIGHTS ROAD

BID SPECIFICATIONS AND CONTRACT DOCUMENTS

2025 RESURFACING PROGRAM & SIDEWALK PROGRAM

Required for Use by:	Village of Arlington Heights- Public Works- Engineering
Bid Deposit:	10% of bid
Performance Bond:	100% of bid
Pre-Bid Meeting:	Tuesday, February 25, 2025 at 1:30 PM Engineering Conference Room Village Hall, 2nd Floor
Date and Time Bids Due:	Wednesday, March 12, 2025 at 11:00 AM Finance Department Village Hall, 1st Floor
Date and Time of Bid Opening:	Wednesday, March 12, 2025 at 11:00 AM Commissions Room Village Hall, 2nd Floor
Project Contact:	Tommy Sakkos, P.E., tsakkos@vah.com, 847-368-5254
Purchasing Coordinator:	Lisa Subrin, lsubrin@vah.com, 847-368-5509

In the event bidder cannot submit a bid on the requirements as set forth in the bid documents, he or she should return the bid documents with an explanation as to why he or she is unable to bid on these requirements. Because of the large number of firms listed on the Village's qualified bidder's list, it is necessary to delete from these lists the names of those persons, firms or corporations who fail to respond after having been invited to bid on a commodity or commodities.

VILLAGE OF ARLINGTON HEIGHTS

PROPOSAL

NAME OF BIDDER: Builders Paving, LLC

ADDRESS OF BIDDER: 4401 Roosevelt Road
Hillside, IL 60162

TO: VILLAGE ENGINEER
VILLAGE OF ARLINGTON HEIGHTS
33 SOUTH ARLINGTON HEIGHTS ROAD
ARLINGTON HEIGHTS, IL 60005

PROJECT: 2025 Resurfacing Program, Sidewalk Program

The undersigned Bidder submits herewith a Proposal Guaranty in the amount of 10% Bid Bond in accordance with the terms set forth in the Bid Specifications.

The undersigned Bidder, having examined the site of the work and determined the scope of the Plans & Bid Specifications, for the above-named project, hereby proposes to provide the required labor, services, and equipment and to perform the work as described in documents referenced above, including Addenda Nos 1, and to do all the work at the schedule of unit prices attached.

The undersigned hereby certifies that the bidder is not barred from contracting as a result of a conviction for violations of state laws prohibiting bid rigging or bid rotating or any similar offense of any state or the United States.

BUILDERS PAVING, LLC LIMITED LIABILITY SEAL ILLINOIS 2010 COMPANY

Title: Vice President
(Print)

By: Steven Salinas

Signature:

Date: 3/12/25

Attest:

Notary

OFFICIAL SEAL
CHERIE LYNN BROWN
NOTARY PUBLIC, STATE OF ILLINOIS
My Commission Expires August 23, 2025

2025 RESURFACING AND SIDEWALK PROGRAM BID PROPOSAL					
REGUALR STREETS					
ITEM. NO.	ITEM	UNIT	QTY	UNIT PRICE	COST
1	Combination Concrete Curb & Gutter Removal & Replacement	FT	8,150.00	32.00	260,800.00
2	PCC Sidewalk Removal & Replacement, 5"	SF	34,000.00	8.25	280,500.00
3	PCC Sidewalk Removal & Replacement, 6"	SF	6,400.00	8.25	52,800.00
4	PCC Sidewalk Removal	SF	100.00	1.00	100.00
5	Bituminous Concrete Driveway Removal & Replacement	SY	650.00	70.00	45,500.00
6	PCC Driveway Removal & Replacement, 6"	SY	700.00	72.00	50,400.00
7	Bituminous Surface Removal, 2"	SY	43,000.00	4.00	172,000.00
8	Bituminous Surface Removal, 3"	SY	27,200.00	5.50	149,600.00
9	Catch Basin, Type A, 4' Dia	EA	1.00	4830.00	4830.00
10	Inlet, Type A, 2' Dia	EA	1.00	1820.00	1820.00
11	Structures to be Reconstructed	EA	15.00	1100.00	16,500.00
12	Frames & Lids to be Adjusted	EA	180.00	495.00	89,100.00
13	Change Frame & Lids	EA	12.00	450.00	5400.00
14	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	2,352.00	80.00	188,160.00
15	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	7,313.00	80.00	585,040.00
16	Bituminous Materials (Tack Coat)	LB	31,469.35	0.01	314.69
17	Mixture for Joints, Cracks & Flangeways	TON	80.00	100.00	8000.00
18	Class D Patches, Hot Mix Asphalt, Special	SY	9,212.55	15.00	138,188.25
19	Topsoil & Hydroseed, Special	FT	8,300.00	1.25	10,375.00
20	Topsoil & Sod	SY	200.00	12.00	2400.00
21	Parkway Regrading, Special	SY	200.00	15.00	3000.00
22	Thermoplastic Pavement Marking - Line 24"	FT	52.00	7.25	377.00
23	Thermoplastic Pavement Marking - Line 12"	FT	667.00	3.60	2401.20
24	Thermoplastic Pavement Marking - Line 6"	FT	210.00	1.85	388.50
25	Thermoplastic Pavement Marking - Line 4"	FT	2,602.00	1.35	3512.70
26	Thermoplastic Pavement Marking - Line Symbols	SF	78.00	9.00	702.00
27	Detectable Warnings	SF	740.00	25.00	18,500.00
28	Traffic Control & Protection Regular Streets	L SUM	1.00	522,467.66	522,467.66
88600600	Detector Loop Replacement	FT	487.00	29.00	14,123.00
40600370	Longitudinal Joint Sealant	FT	3,400.00	5.50	18,700.00
				TOTAL	$2,646,000.00

GDBG (CEDAR ST)					
ITEM. NO.	ITEM	UNIT	PLAN QTY	UNIT PRICE	COST
1A	Combination Concrete Curb & Gutter Removal & Replacement	FT	582.00	32.00	18,624.00
2A	PCC Sidewalk Removal & Replacement, 5"	SF	1496.00	8.25	12,342.00
3A	PCC Sidewalk Removal	SF	102.00	1.00	102.00
4A	Bituminous Concrete Driveway Removal & Replacement	SY	13.00	100.00	1300.00
5A	PCC Driveway Removal & Replacement, 6"	SY	17.22	72.00	1239.84
6A	Bituminous Surface Removal, 2"	SY	4935.00	3.00	14,805.00
7A	Structures to be Reconstructed	EA	2.00	1650.00	3300.00
8A	Frames & Lids to be Adjusted	EA	8.00	510.00	4080.00
9A	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	552.00	78.00	43,056.00
10A	Bituminous Materials (Tack Coat)	LB	2115.00	0.01	21.15
11A	Mixture for Joints, Cracks & Flangeways	TON	20.00	100.00	2000.00
12A	Class D Patches, Hot Mix Asphalt, Special	SY	470.00	15.00	7050.00
13A	Topsoil & Hydroseed, Special	FT	87.30	1.25	109.13
14A	Topsoil & Sod	SY	20.00	12.00	240.00
15A	Parkway Regrading, Special	SY	20.00	15.00	300.00
16A	Thermoplastic Pavement Marking - Line Symbols	SF	20.80	9.00	187.20
17A	Detectable Warnings	SF	20.00	25.00	500.00
18A	Traffic Control & Protection	L SUM	1.00	38,743.68	38,743.68
				TOTAL	$148,000.00

2025 PARKING LOTS					
ITEM. NO.	ITEM	UNIT	PLAN QTY	UNIT PRICE	COST
1P	Combination Concrete Curb & Gutter Removal & Replacement	FT	110.00	32.00	3520.00
2P	PCC Sidewalk Removal & Replacement, 5"	SF	223.00	8.25	1839.75
3P	PCC Sidewalk Removal & Replacement, 6"	SF	231.00	8.25	1905.75
4P	Bituminous Concrete Driveway Removal & Replacement	SY	148.60	65.00	9659.00
5P	Bituminous Surface Removal, 2"	SY	3900.00	9.00	35,100.00
6P	Frames & Lids to be Adjusted	EA	3.00	510.00	1530.00
7P	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	453.93	110.00	49,932.30
8P	Bituminous Materials (Tack Coat)	LB	1737.00	0.01	17.37
9P	Topsoil & Hydroseed, Special	FT	110.00	1.25	137.50
10P	Thermoplastic Pavement Marking - Line 4"	FT	1700.00	1.35	2295.00
11P	Detectable Warnings	SF	160.00	25.00	4000.00
12P	Traffic Control & Protection	L SUM	1.00	18,063.33	18,063.33
				TOTAL	$128,000.00

ALTERNATE (CHICAGO-HAWTHORNE-VINE-HARVARD)					
ITEM. NO.	ITEM	UNIT	PLAN QTY	UNIT PRICE	COST
1B	Bituminous Surface Removal, 2"	SY	12180.00	4.00	48,720.00
2B	Catch Basin, TY A, 4' Dia, Type 8 Grate	EA	1.00	5330.00	5330.00
3B	Storm Sewer, PVC SDR-26, Type 2, 12"	FT	90.00	110.00	9900.00
4B	Core & Boot Existing Structure	EA	1.00	540.00	540.00
5B	Trench Backfill	CY	30.00	10.00	300.00
6B	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	1364.16	80.00	109,132.80
7B	Bituminous Materials (Tack Coat)	LB	584.64	0.01	5.85
8B	Mixture for Joints, Cracks & Flangeways	TON	20.00	100.00	2000.00
9B	Class D Patches, Hot Mix Asphalt, Special	SY	1218.00	15.00	18,270.00
10B	Temporary Erosion Control Blanket	SY	1350.00	10.00	13,500.00
11B	Topsoil, Furnish and Place 4"	SY	1350.00	5.00	6750.00
12B	Grading And Shaping Ditches	SY	520.00	18.00	9360.00
13B	Thermoplastic Pavement Marking - Line 24"	FT	30.00	7.25	217.50
14B	Traffic Control & Protection	L SUM	1.00	76,084.25	76,084.25
15B	PCC Driveway Removal & Replacement, 6"	SY	19.30	72.00	1389.60
17B	Seeding, Class 1 A	SY	1350.00	10.00	13,500.00

TOTAL	$315,000.00

ALTERNATE (HOWARDS CT)					
ITEM. NO.	ITEM	UNIT	PLAN QTY	UNIT PRICE	COST
1C	Combination Concrete Curb & Gutter Removal & Replacement	FT	98.00	32.00	3136.00
2C	PCC Sidewalk Removal & Replacement, 5"	SF	240.00	8.25	1980.00
4C	PCC Sidewalk Removal	SF	425.00	1.00	425.00
5C	PCC Sidewalk 5"(With 6" of CA-6 Subbase)	SF	520.00	11.00	5720.00
6C	Earth Excavation	CY	15.00	30.00	450.00
7C	Bituminous Concrete Driveway Removal & Replacement	SY	25.00	100.00	2500.00
10C	Bituminous Surface Removal, 3"	SY	637.00	10.00	6370.00
13C	Structures to be Reconstructed	EA	1.00	1650.00	1650.00
14C	Frames & Lids to be Adjusted	EA	2.00	510.00	1020.00
16C	Hot-Mix Asphalt Binder Course, IL-9.5, N50	TON	113.00	100.00	11,300.00
17C	Hot-Mix Asphalt Surface Course, IL-9.5,Mix "D", N50	TON	76.00	115.00	8740.00
18C	Bituminous Materials (Tack Coat)	LB	430.00	0.01	4.30
20C	Class D Patches, Hot Mix Asphalt, Special	SY	127.00	15.00	1905.00
21C	Topsoil & Hydroseed, Special	FT	92.00	1.25	115.00
22C	Topsoil & Sod	SY	120.00	12.00	1440.00
23C	Parkway Regrading, Special	SY	120.00	15.00	1800.00
24C	Thermoplastic Pavement Marking - Line 24"	FT	12.00	7.25	87.00
29C	Detectable Warnings	SF	20.00	25.00	500.00
30C	Traffic Control & Protection	L SUM	1.00	11,857.70	11,857.70
				TOTAL	$61,000.00

TOTAL COST	
REGUALR STREETS BID	$2,646,000.00
CDBG BID	$148,000.00
PARKING LOT BID	$128,000.00
ALT COVE BID	$315,000.00
ALT HOWARDBID	$61,000.00

Total Cost $3,298,000.00

VILLAGE OF ARLINGTON HEIGHTS
AFFIDAVIT OF COMPLIANCE

Applicant Builders Paving, LLC
Name

4401 Roosevelt Road, Hillside, IL 60162
Address

As a condition of entering into a contract with the Village of Arlington Heights, and under oath and penalty of perjury and possible termination of contract right and debarment, the undersigned, Steven Salinas, being first duly sworn on oath, deposes and states that he or she is Vice President (sole owner, partner, joint ventured, President, Secretary, etc..) of Builders Paving, LLC and has the authority to
(Name of Company)
make all certifications required by this affidavit.

Section I

Non Collusion

The undersigned certifies that this bid is genuine and not collusive or sham, that said bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any bidder or person, to put in a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference with any person, to fix the bid price element of this bid, or of that of any other bidder, or to secure any advantage against any other bidder or any person interested in the proposed contract.

Section II

Bid Rigging and Rotating

The undersigned hereby certifies that it is not barred from bidding or contracting as a result of a conviction for violations of state laws prohibiting bid rigging or bid rotating or any similar offense of any state of the United States.

Section III

Illinois Drug Free Workplace Act

The undersigned further states that Builders Paving, LLC provides a
(Name of Company)
drug free workplace pursuant to Illinois Statues, 30 ILCS 580/1, et seq and provides compliance with necessary requirements.

Section IV

Tax Payment

The undersigned further states that Builders Paving, LLC is not
(Name of Company)
delinquent in payment of any taxes to the Illinois Department of Revenue, in accordance with Illinois Compiled Statues, 65 ILCS 5/11-42.1. The undersigned understands that making a false statement regarding delinquency in taxes is a Class A Misdemeanor and, in addition voids the contract and allows the municipality to recover all amounts paid to the individual or entity under the contract in civil action.

It is expressly understood the foregoing statements and representations and promises are made as a condition to the right of the bidder to receive payment under any award made under the terms and provisions of this bid.

The undersigned certifies that all the information contained in the Affidavit is true and correct.

BUILDERS PAVING, LLC LIMITED LIABILITY SEAL ILLINOIS 2010 COMPANY

Signed by: _____
(Name) Steven Salinas
(Title) Vice President

Subscribed and sworn to before me this 12th day of March 2025, AD.

By: _____
(Notary Public)

-Seal-

OFFICIAL SEAL
CHERIE LYNN BROWN
NOTARY PUBLIC, STATE OF ILLINOIS
My Commission Expires August 23, 2025

VILLAGE OF ARLINGTON HEIGHTS
INDEMNITY HOLD HARMLESS AGREEMENT

To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify and hold harmless the Village of Arlington Heights, its Board of Trustees, officers, agents and employees from any and all liability, losses or damages the Village may suffer as a result of claims, demands, suits, actions or proceedings of any kind or nature in any way resulting from or arising out of any action on the part of the Contractor or any Subcontractor. The Contractor shall, at its own expense; appear, defend and pay all charges of attorneys and all costs and other expenses arising therefore or incurred in connections therewith, and, if any judgment shall be rendered against the Village of Arlington Heights, its Board of Trustees, officers, agents and employees, in any such action, the contractor shall, at its own expense, satisfy and discharge the same. This indemnification does not apply to liability caused by the Village's own negligence.

The Contractor expressly understands and agrees that any insurance policies required by this contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the Village of Arlington Heights, its Board of Trustees, officers, agents and employees as herein provided.

CONTRACTOR: Builders Paving, LLC

By: _____
Steven Salinas, Vice President

BUILDERS PAVING, LLC
LIMITED LIABILITY
SEAL
ILLINOIS
2010
COMPANY

NA

VENDOR QUESTIONNAIRE

Completion required ONLY by MBE, WBE, and/or DOBE Vendors

Company Name: _____

Address: _____

City:_____ State:_____Zip: _____

Phone:_____Fax:_____E-Mail: _____

Commodity:_____ Years in Business: _____

DBE (Disadvantaged Business Enterprise) Classification: Please indicate your DBE classification below, and provide any agency certifications you have received.

- MBE (Minority-Owned Business Enterprise): A business that is at least 51 percent owned by one or more minorities. A person who is a U.S. citizen or lawful permanent resident and is African American, Hispanic American, Asian American, Native American, as well as other groups found to be disadvantaged pursuant to Section 8 (a) of the Small Business Act.
- WBE (Women-Owned Business Enterprise): A business that is at least 51 percent owned by a woman or women who are United States Citizens or lawful permanent residents of the United States.
- DOBE (Disability-Owned Business Enterprise): A business that is at least 51 percent owned by a person or group of persons with a disability, as recognized by the Americans with Disabilities Act.
- VOSB (Veteran-Owned Small Business): A business that meets the qualifications to be a small business according to the SBA, and is at least 51 percent owned, operated and controlled by a veteran.

Certifications:
Agency/Institution: _____

Phone:_____Approval Date: _____

I hereby certify that the information supplied in this form is complete and correct to the best of my knowledge and belief. I authorize The Village of Arlington Heights to verify any of this information as needed.

Signature:_____ Title:_____
Name: _____ Date: _____

Contract Provisions
for Federally-Assisted Construction/Rehab Projects

INTRODUCTION

This project is being financially supported by federal funds awarded by the U.S. Department of Housing and Urban Development under the Community Development Block Grant (CDBG) Program. The Village of Arlington Heights Planning Department administers the CDBG Programs. As a result of using federal funds on this project there are a number of regulations that must be adhered to in order to receive prompt payment for work done under the program.

The information provided on the following pages outlines a number of conditions that the Contractor must abide by in order to enter into a contract for the work described in the specifications and contract drawings.

The following conditions take precedence over any conflicting conditions in the contract:

SEC. 1. APPLICATION TO SUBCONTRACTORS. No money under this contract shall be disbursed by the Contractor to any sub-contractor or agency except pursuant to a written contract which incorporates the conditions listed below to the extent they are applicable.

SEC. 2. DEFINITIONS. As used in this contract:

"HUD" means the Secretary of Housing and Urban Development or a person authorized to act on his behalf.

"Village" means the President and Board of Trustees of the Village of Arlington Heights or a person authorized to act in their behalf.

"Act" means Title I of the Housing and Community Development Act of 1974, as amended, unless otherwise specified.

SEC. 3. ACCESS TO RECORDS AND RECORDS RETAINAGE.

A. **Records to be Kept**. Records shall be maintained in accordance with requirements prescribed by HUD or the Village with respect to all matters covered by this contract. Except as otherwise authorized by HUD, such records shall be maintained for a period of five (5) years after receipt of the final payment under this contract.

B. **Documentation of Costs.** All costs shall be supported by properly executed payrolls, time records, invoices, contracts, vouchers, orders, or other accounting documents. All documents pertaining in whole or in part to this contract shall be clearly identified and readily accessible.

C. **Inspection of Records.** At any time during normal business hours and as often as the Village, HUD and/or the Comptroller General of the United States may deem necessary, the Contractor shall make available to the Village, HUD and/or representatives of the Comptroller General for examination all of its records, with respect to all matters covered by this contract, and will permit the Village, HUD and/or representatives of the Comptroller General to audit, examine and make excerpts or transcripts from such records including contracts, invoices, materials, payrolls, records of personnel, conditions of employment and any other data relating to matters covered by this contract.

SEC. 4. LOBBYING. The Contractor certifies, to the best of his or her knowledge and belief, that:

1. No federally appropriated funds have been paid or will be paid, by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in

connection with the awarding of any federal loan, the entering into of any cooperative agreement, or the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan or cooperative agreement.

2. If any funds other than federally appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

3. The Contractor shall require that the language of this certification be included in the award documents for all sub-awards at all tiers including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements.

4. This certification is a material representation of fact upon which reliance was placed when this contract was made or entered into. Agreement to this certification is a prerequisite for making or entering into this contract imposed by Section 1352, title 31, U.S. Code. Any person or agency that makes an expenditure prohibited by this section is subject to a civil penalty from $10,000 up to $100,000 for each failure. This penalty also applies to any person or agency that fails to submit or amend the disclosure form (LLL), when required. Failure to submit the required certification may result in payment under this contract being delayed or denied.

SEC. 5. DISCRIMINATION. Contractors shall comply with all relevant requirements of the following federal laws and regulations dealing with discrimination in federally assisted programs:

1. **Title VI of the Civil Rights Act of 1964 (42 U.S.C. 20000d)** which provides that no person shall, on the ground of race, color, or national origin, be excluded from employment or participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance.

2. **Section 109 of Title I of the Housing and Community Development Act of 1974, as amended (42 U.S.C. 5309) and regulations at CFR 570.602** which provide that no person shall on the grounds of race, color, national origin, or sex, be excluded from participation in, be denied the benefits of, be denied employment in, or be subjected to discrimination under any CDBG program or activity.

3. **Section 504 of the Rehabilitation Act of 1973, as amended, (29 U.S.C. 794)** which provides that no otherwise qualified handicapped individual shall, solely by reason of his/her handicap, be excluded from the participation in, be denied the benefits of, be denied employment in, or be discriminated against under any program or activity receiving federal assistance.

   A. **Age discrimination Act of 1975, as amended (42 U.S.C. 6101)** which provides that no person shall, on the basis of age, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal assistance.

   B. **Executive Order 11246, as amended by Executive Order 12086, and regulations in 41 CFR 60,** which provides that no person shall be discriminated against on the basis of race, color, religion, sex, or national origin in all phases of employment during the performance of federally-assisted construction contracts and subcontracts. Contractors and subcontractors shall take affirmative action to ensure fair treatment in employment, including recruitment, training, promotion, demotion, transfer, layoff, termination, and pay.

      1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action

shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay of other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions in this nondiscrimination clause.

2. The Contractor will, in all solicitations or advertisement for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.

3. The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advertising the labor union or worker's representative of the Contractor's commitments under section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

4. The Contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary ofLabor.

5. The Contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations and orders.

6. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, and orders, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

7. The Contractor will include the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontractor or purchase order as the contracting agency, and may direct the subcontractor or vendor as a means of enforcing such provisions including sanctions for noncompliance. Provided, however, that in the event the contract becomes involved in, or threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the Contractor may request the United States to enter into such litigation to protect the interest of the United States.

FSEC. 6. LABOR STANDARDS. Contractors shall comply with all relevant requirements of the following federal laws and regulations dealing with labor standards in federally assisted programs:

1. **Davis-Bacon Act Provisions.** All contracts for construction work in excess of $2,000 awarded by grantees and subgrantees shall include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 276 a to a.7) as supplemented by Department of Labor Regulations (29 CFR Part 5). However, these requirements apply to the **rehabilitation** of residential property only if such property contains eight (8) or more units. The Davis Bacon Act is **not** triggered when CDBG funds are used for non-

construction work such as acquisition, purchase of equipment, architectural and engineering fees, other services (legal, accounting, construction management), etc.

1. All workers employed by Contractors or subcontractors on construction work costing over $2,000 and financed in whole or in part under this Contract shall be paid wages at rates not less than those prevailing on similar construction in the locality, as determined by the Secretary of Labor and specified in a wage determination.

2. In construction projects subject to the Davis-Bacon Act, Contractors and subcontractors shall submit weekly payroll information for each worker in the form prescribed by HUD, and shall post a notice listing the minimum wage rates at the work site or sites. In addition, Contractors and subcontractors shall be required to pay wages at least once a week.

B. **Copeland "Anti-Kick Back Act" (18 U.S. C. 876) as supplemented in Department of Labor regulations (29 CFR Part 3).** This Act provides that the Contractor shall be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he is otherwise entitled.

C. **Contract Work Hours and Safety Standards Act (40 U.S.C. 327 et seq.).** Contracts awarded by grantees and subgrantees in excess of $2,000 which involve the employment of mechanics or laborers shall comply with Section 103 and 107 of the Contract Work Hours and Safety Standards Act (40 USC 327-330) as supplemented by Department of Labor Regulations contained in 29 CFR Parts 3, 5 and 5a.

1. Under Section 103 Of the Act, the Contractor and any of his subcontractors, shall be required to compute the wages of every mechanic and laborer on the basis of a standard work week of forty hours. Work in excess of the standard work week is permissible, provided the worker is compensated at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in any work week.

2. Section 107 of the Act provides that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous to his health and safety, as determined under construction, safety and health standards promulgated by the Secretary of Labor. These requirements do not apply to the purchase of supplies or materials or articles ordinarily available on the open market.

SEC. 7. Clean Water, Clean Air, E.O. 11738 and EPA Regulations Provision Compliance with Air and Water Acts apply to assisted construction contracts and related subcontracts exceeding $100,000. In compliance with Section 306 of the Clean Air Act, as amended, (42 U.S.C. 1857(h)), Section 508 of the Clean Water Act, as amended, (33 U.S.C. 1368), Executive Order 11738, and the Regulations (40 CFR, part 15) of the Environmental Protection Agency with respect thereto the Contractor agrees that:

1. Any facility to be utilized in the performance of this contract or any subcontract shall not be a facility listed on the EPA List of Violating Facilities pursuant to 40 CFR 15.20.

2. They will comply with all requirements of Section 306 of the Clean Air Act, as amended, and Section 508 of the Clean Water Act, as amended, and all regulations and guidelines issued there under.

3. They will promptly notify the Village of any notification received from the EPA Office of Federal Activities, indicating that a facility utilized or to be utilized for the contract is under consideration to be listed on the EPA List of Violating Facilities.

4. They will include the provisions of paragraph 1 through 4 of this subpart in every nonexempt subcontract, and take such action as the Government may direct as a means of enforcing such provisions.

SEC. 8. LEAD BASED PAINT. The use of lead-based paint in the federally assisted construction or rehabilitation of residential structures (including day cares, senior centers, and community facilities) is prohibited by Section 401(b) of the Lead-Based Paint Poisoning Prevention Act [42 U.S.C. 4831(b)] and regulations in 24 CFR 35B. To the extent that contracted work involves residential structures, the Contractor and subcontractors must follow the new regulations issued under sections 1012 and 1013 of the Residential Lead-Based Paint Hazard Reduction Act of 1992, which is Title X ("ten") of the Housing and Community Development Act of 1992. Sections 1012 and 1013 of Title X amended the Lead-Based Paint Poisoning Prevention Act of 1971, which is the basic law covering lead-based paint in federally associated housing. The new regulation appears within title 24 of the Code of Federal Regulations as part 35 (24 CFR 35).

1. The Contractor and subcontractors shall not use lead-based paint in residential structures and shall eliminate any lead-based paint hazards in residential structures rehabilitated.

2. At a minimum the Contractor and subcontractors must comply with the Lead Hazard Reduction Methods in 24 CFR 35.1330 and 1325.

3. All workers involved in the disturbance of lead-based paint bearing surfaces should be trained in lead safe work practices.

4. At the conclusion of residential rehabilitation, the property must pass a lead hazard clearance test by a certified technician and lab. The lead level must meet the federal and North Carolina standard lead level threshold for Childhood Lead Exposure Act of North Carolina and the Environmental Protection Agency. Clearance is not required if rehabilitation did not disturb painted surfaces of a total area more than that set forth in 24 CFR 35.1350(d).

SEC. 9. USE OF DEBARRED, SUSPENDED OR INELIGIBLE CONTRACTORS. CDBG funds shall not be used directly or indirectly to employ, award contracts to, or otherwise engage the services of, or fund any Contractor or subrecipient during any period of debarment, suspension or placement in ineligibility status under the provisions of 24 CFR Part 24. (Government Debarment and Suspension Regulations).

SEC. 10. CONFLICT OF INTEREST.

A. **Interest of Members, Officers, or Employees of the Recipient, Members of Local Governing Body, or Other Public Officials**. No member, officer, or employee of the recipient, subrecipient, or its agents, no member of the governing body of the locality in which the program is situated, and no other public official of such locality or localities who exercise any functions or responsibilities with respect to the program during his/her tenure or for one year thereafter, shall have any financial interest, direct or indirect, in any contract or subcontract, or the proceeds thereof, for work to be performed in connection with the program assisted under this agreement. Immediate family members of said members, officers, employees, and officials are similarly barred from having any financial interest in the program. This provision shall be incorporated in all such contracts or subcontracts.

B. **Contractor's Responsibilities**. The Contractor shall take appropriate steps to assure compliance with paragraph (A) of this section, and will incorporate the following provision into every sub-contract:

Interest of Sub-Contractor and Employees. The Sub-Contractor covenants that no person who presently exercises any functions or responsibilities in connection with the Community Development Block Grant Program has any personal financial interest, direct or indirect, in this Contract. Any interest on the part of the Sub-Contractor or his employees must be disclosed to the Recipient and the Village, provided, however, that this paragraph shall be interpreted in such a manner so as not to unreasonably impede the

statutory requirement that maximum opportunity be provided for employment of and participation by residents of the area."

SEC. 11. DISPUTES, DEFAULT AND TERMINATION

A. **Disputes.** In the event of dispute arising under this Contract, the Contractor shall notify the Village promptly in writing of their contentions and submit the claim. If the dispute arises before performance of the related work, the written notice shall be submitted prior to commencing such work. In any event, the Contractor shall proceed with such work in compliance with the instructions of the Village; such compliance shall not be a waiver of the Contractor's rights to make a claim, provided they have notified the Village in writing as above stipulated.

B. **Default and Remedies.**

1. Default shall consist of any failure by the Contractor to perform under this contract or written amendments thereto or any breach of any covenant, agreement, provision or warranty provided by the Contractor as a part of this contract. Actions which constitute a default include, but are not limited to:

   a. Failure to submit to the Village reports which are required pursuant to this contract or the submission of required reports that are incorrect or incomplete.

   b. Submission of requests for payment or reimbursement of amounts that are incorrect or incomplete.

   c. The failure of the Contractor to accept any additional conditions which may be provided by law, by executive order, by regulation or by other policy announced by the Village, the state or any federal agency.

   d. Failure to perform any activity required by this contract.

2. Upon occurrence of any default, the Village shall advise the Contractor in writing of the action constituting the default, and specify the actions that must be taken to cure the default. The Village may suspend payment under the contract. If a default is not cured within 30 days from receipt of written notice of such default by the Contractor, the Village may continue the suspension or, by written notice of termination, may terminate the contract.

3. Notwithstanding the above, the Contractor shall not be relieved of liability to the Village for damage sustained by the Village by virtue of any default or breach of the contract; and the Village may deduct the amount of damages from any outstanding payments to the Contractor or may withhold payments until such time as the exact amount of the damages is determined.

C. **Termination.**

1. If federal funding for this project is terminated and no other funding is available for continuation of this project, the Village will not be obligated to continue funding for the services contained in this contract and may terminate the contract.

2. In the event of termination, all property and finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs and reports prepared by or purchased with CDBG funds by the Contractor under this contract shall, at the option of the Village, become its property and the Contractor shall be entitled to receive just and equitable compensation for any work satisfactorily completed hereunder.

Builders Paving, LLC
Contractor Company Name (printed)

Contractor Signature

Steven Salinas, Vice President
Contractor Printed Name

3/12/25
Date Signed

BUILDERS PAVING
Keeping the Earth Moving

Subcontractor: Evergreen Roadworks
Address: 1370 Bungalow Road, Morris, IL 60450
Telephone: (815) 585-7111
Email Address: bids@protackil.com
Contact Person: Randy Miller

Subcontractor: DeMarr Sealcoating, Inc.
Address: 240 East Hellen Road
Telephone: (847) 991-4060
Email Address: tori@demarrsealcoating.com
Contact Person: Tori Johnstin

Subcontractor: DeVinci Construction, Inc.
Address: PO Box 4716, Oak Brook, IL 60522
Telephone: (630) 548-3400
Email Address: devinciconstruct@yahoo.com
Contact Person: Phil Russo

Subcontractor: H&H Electric Company
Address: 2830 Commerce St., Franklin Park, IL 60131-2927
Telephone: (708) 453-2222
Email Address: robert.hallahan@hh-electric.com
Contact Person: Robert Hallahan

Subcontractor: Lampignano & Son Const. Co.
Address: 501 S. Arthur Ave., Arlington Heights, IL 60005
Telephone: (847) 394-0696
Email Address: mikelamp1@comcast.net
Contact Person: Mike Lampignano

Subcontractor: NAFISCO, Inc.
Address: 808 Forestwood Dr., Romeoville, IL 60446
Telephone: (815) 372-3300
Email Address: brett@nafiscoinc.com
Contact Person: Brett Brock

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Addendum # 1

Date: March 10, 2025

To: All Bidders on the following Project

Project: **2025 Resurfacing Program and Sidewalk Program Bid**
Bid Opening: Wednesday March 12, 2025 at 11:00 am

The following addendum shall be included and is considered part of the bid documents. **The Bidder shall acknowledge receipt of this addendum and inclusion in the bid by including a signed copy with the sealed bid submitted.** Failure to return this form may result in disqualification of the Bidder.

1. Replace page 185 of the bid document to add a Total Cost to be read at the Bid Opening. See page 2 of this Addendum.
2. For clarification purposes, the three parking lots shall not be completed at the same time. Only one parking lot can be closed at a time

Bidder's Acknowledgment of Receipt:

Company Name: Bulldogs Paving, LLC

Signature: [signature]

Print Name: Chad Tisa

Title: Project Manager

Date: 3/10/2025

Failure to return this form may result in disqualification of the Bidder

BUILDERS PAVING
Keeping the Earth Moving

March 12, 2025

Re: Affidavit of Availability, Letting 3/12/25

To Whom This May Concern:

Per the Illinois Department of Transportation Rules for Prequalification of Contractors, Builders Paving, LLC is requesting to forego the filing of an Affidavit of Availability (BC-57), under Section 650.310 Sub D, based upon our Super Unlimited Financial rating and Unlimited HMA Plant Mix rating as shown on the attached IDOT Certificate of Eligibility.

Sincerely,

Builders Paving, LLC

Steven Salinas

Steven Salinas
Vice President
ssalinas@builderspavingllc.com

Illinois Department of Transportation

Certificate of Eligibility

Contractor No 2341

Builders Paving, LLC
4401 W. Roosevelt Road HILLSIDE, IL 60162

WHO HAS FILED WITH THE DEPARTMENT AN APPLICATION FOR PREQUALIFICATION STATEMENT OF EXPERIENCE, EQUIPMENT AND FINANCIAL CONDITION IS HEREBY QUALIFIED TO BID AT ANY OF DEPARTMENT OF TRANSPORTATION LETTINGS IN THE CLASSES OF WORK AND WITHIN THE AMOUNT AND OTHER LIMITATIONS OF EACH CLASSIFICATION, AS LISTED BELOW, FOR SUCH PERIOD AS THE UNCOMPLETED WORK FROM ALL SOURCES DOES NOT EXCEED SUPER UNLIMITED

001	EARTHWORK	$3,600,000
003	HMA PLANT MIX	Unlimited
017	CONCRETE CONSTRUCTION	$13,450,000
032	COLD MILL,PLAN. & ROTOMILL	$13,775,000
08A	AGGREGATE BASES & SURF. (A)	$4,850,000

THIS CERTIFICATE OF ELIGIBILITY IS VALID FROM 6/3/2024 TO 4/30/2025 INCLUSIVE, AND SUPERSEDES ANY CERTIFICATE PREVIOUSLY ISSUED, BUT IS SUBJECT TO REVISION OR REVOCATION, IF AND WHEN CHANGES IN THE FINANCIAL CONDITION OF THE CONTRACTING FIRM OR OTHER FACTS JUSTIFY SUCH REVISIONS OR REVOCATION.
ISSUED AT SPRINGFIELD, ILLINOIS ON 6/3/2024.

Engineer of Construction

IL 494-0645

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bid Bond

CONTRACTOR:
(Name, legal status and address)

Builders Paving, LLC
4401 Roosevelt Road
Hillside, IL 60162

SURETY:
(Name, legal status and principal place of business)

Fidelity and Deposit Company of Maryland
1299 Zurich Way, 10th Floor
Schaumburg, IL 60196-1056
Mailing Address for Notices
1411 Opus Pl, Ste 450
Downers Grove, Illinois 60515

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

OWNER:
(Name, legal status and address)

Village of Arlington Heights
33 South Arlington Heights Road
Arlington Heights, IL 60005

BOND AMOUNT: $ 10% Ten Percent of Amount Bid

PROJECT:
(Name, location or address, and Project number, if any)

2025 Resurfacing Program & Sidewalk Program

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 12th day of March, 2025

(Witness) Joseph Nichael, Secretary

Builders Paving, LLC
(Principal) (Seal)

By:
(Title) Steven Salinas Vice President

(Witness) Maria A. Gonzalez

Fidelity and Deposit Company of Maryland
(Surety) (Seal)

By:
(Title) James I. Moore Attorney-in-Fact

S-0054/AS 8/10

State of Illinois

County of DuPage

SURETY ACKNOWLEDGEMENT (ATTORNEY-IN-FACT)

I, Maria A. Gonzalez **Notary Public of** DuPage **County, in the State of** Illinois ,

do hereby certify that James I. Moore **Attorney-in-Fact, of the** Fidelity and Deposit Company of Maryland **who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person, and acknowledged that** he **signed, sealed and delivered said instrument, for and on behalf of the** Fidelity and Deposit Company of Maryland **for the uses and purposes therein set forth.**

Given under my hand and notarial seal at my office in the City of Downers Grove **in said County, this** 12th **day of** March , 2025 .

OFFICIAL SEAL
MARIA A GONZALEZ
NOTARY PUBLIC, STATE OF ILLINOIS
WILL COUNTY
MY COMMISSION EXPIRES 09/25/2026

Notary Public Maria A. Gonzalez

My Commission expires: September 25, 2026

Bond No. Bid Bond

Obligee: Village of Arlington Heights

ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by Christopher Nolan, Vice President, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint James I. Moore, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings,** and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said **ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND**, this 7th day of February, A.D. 2025.

ATTEST:
ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND

By: Christopher Nolan
Vice President

By: Dawn E. Brown
Secretary

State of Maryland
County of Baltimore

On this 7th day of February, A.D. 2025, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **Christopher Nolan, Vice President and Dawn E. Brown, Secretary** of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposeth and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Genevieve M. Maison
Notary Public
My Commission Expire January 27, 2029

Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify of revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 12th day of March, 2025.

MJ Pethick

Mary Jean Pethick
Vice President

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims
1299 Zurich Way
Schaumburg, IL 60196-1056
reportsfclaims@zurichna.com
800-626-4577

Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Approving a Contract for the Construction of the Forrest Avenue Stormwater Improvements Project

Department: Public Works & Engineering

Item Description:

The approved 2025 Capital Improvement Plan (CIP) identifies $3,276,252, for Storm Water Improvements related to the Forrest Avenue area.

Forrest Avenue Stormwater Improvements project aims to address chronic flooding issues in the area. Key elements include the installation of a 3.3-acre-foot underground stormwater storage vault, installation of a new storm sewer system, and incorporation of new ditches with driveway culverts. Some resurfacing of pavement along affected sections, and a new sidewalk connecting Forrest Avenue and Hawthorne Street is also planned.

Over the last several years, staff has been able to secure $1.3 million ($400k and $900k) in grant funding administered through the Department of Commerce and Economic Opportunity (DCEO). As a condition of the grant funding, the Village will be required to front 100% of the associated construction costs, and will then seek reimbursement throughout the project.

Staff worked with the Consulting engineer to develop bid documents that were advertised for bid. Bid proposals were opened and read aloud on March 19, 2025. The Village received nine bids, which are listed below:

Bidder Name	**Amount**
Berger Contractors, Inc.	**$ 3,225,142.24**
Acqua Contractor Corp.	$ 3,253,000.00
Martam Construction	$ 3,282,768.20
DiMeo Bros Inc.	$ 3,424,890.00
Swallow Construction	$ 3,526,715.60
John Neri Construction Company	$ 3,550,922.00
Mauro Sewer Construction Inc.	$ 3,699,532.25
Bolder Contractors, Inc.	$ 3,776,845.63
Performance Construction & Engineering	$ 3,801,977.00

Engineer’s Estimate	$ 3,138,400.69

Funds are available in Account No. 426-7101-550250 (SW2101).

RECOMMENDATION:

It is recommended that the Village Board approve the attached Resolution that authorizes the execution of a contract and amendments (3) with Berger Contractors, Inc. of Wauconda, Illinois, in the amount of $3,225,142.24, for the construction of the Forrest Avenue Stormwater Improvements Project.

ATTACHMENTS:

1. Forrest Ave Stormwater Resolution & Contract

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION APPROVING THE AWARD OF A CONTRACT
FOR THE FORREST AVENUE STORMWATER IMPROVEMENTS
TO BERGER CONTRACTORS INC., OF WAUCONDA, ILLINOIS

WHEREAS, the Village sought bids for the award of a contract for the construction of new storm sewers, underground detention vault, surface detention basin, and pavement restoration as provided in the plans and contract documents for the Forrest Avenue Stormwater Improvements project (*"Contract"*); and

WHEREAS, Berger Contractors Inc. of Wauconda, Illinois (*"Contractor"*), was the lowest responsible and responsive bidder of the firms that submitted bid packages to the Village for the Contract; and

WHEREAS, the Village President and Board of Trustees have determined that entering into the Contract with Contractor will serve and be in the best interest of the Village and its residents;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF CONTRACT. The Board of Trustees hereby approves the Contract by and between the Village and Contractor, in substantially the form attached to this Resolution as Exhibit A, and in a final form and substance acceptable to the Village Administrator and Village Attorney.

SECTION 3. EXECUTION OF CONTRACT. The Village Manager and the Village Clerk are hereby authorized and directed to execute and attest, on behalf of the Village, the Contract upon receipt by the Village Clerk of at least one original copy of the Contract executed by Contractor; provided, however, that if the executed copy of the Contract is not received by the Village Clerk within 30 days after the effective date of this Resolution, then this authority to execute and attest will, at the option of the President and Board of Trustees, be null and void.

SECTION 4. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

AYES:

NAYS:

PASSED AND APPROVED THIS _____ of _____, 2025.

_____
Village President

ATTEST:

_____
Village Clerk

VILLAGE OF ARLINGTON HEIGHT

Forrest Avenue Stormwater Improvements

The following bids were open Wednesday March 19, 2025 at 1:00 p.m., in the Village of Arlington Heights Municipal Building 33 S. Arlington Heights Road, Arlington Heights, IL 60005

Bidder	Addendum #1 - Signature	Addendum #2 - Signature	Addendum #3 - Signature	Bid Bond	Total Base Bid	Total Alt Bid	Combined Total
Berger Contractors, Inc.	Y	Y	Y	Y	$ 3,097,252.37	$ 127,889.87	$ 3,225,142.24
Acqua Contractor Corp.	Y	Y	Y	Y	$ 3,150,000.00	$ 103,000.00	$ 3,253,000.00
Martam Construction	Y	Y	Y	Y	$ 3,156,723.00	$ 126,045.20	$ 3,282,768.20
DiMeo Bros Inc.	Y	Y	Y	Y	$ 3,311,301.00	$ 113,589.00	$ 3,424,890.00
Swallow Construction	Y	Y	Y	Y	$ 3,444,784.55	$ 81,931.05	$ 3,526,715.60
John Neri Construction Company	Y	Y	Y	Y	$ 3,395,503.50	$ 155,418.50	$ 3,550,922.00
Mauro Sewer Construction Inc.	Y	Y	Y	Y	$ 3,539,814.00	$ 159,718.25	$ 3,699,532.25
Bolder Contractors, Inc.	Y	Y	Y	Y	$ 3,628,707.13	$ 148,138.50	$ 3,776,845.63
Performance Construction & Engineering	Y	Y	Y	Y	$ 3,727,813.00	$ 74,164.00	$ 3,801,977.00

Engineers Estimate	$ 3,052,456.79	$ 85,943.90	$ 3,138,400.69

Village of Arlington Heights

33 South Arlington Heights Road
Arlington Heights, Illinois 60005
847-368-5000
www.vah.com

Berger Contractors, Inc
1205 Garland Road
Wauconda, IL 60084

April 7, 2025

Project Description: Forrest Ave Stormwater Improvement Project

The Village of Arlington Heights has considered the proposal submitted by your Company for the above-described work in response to its INVITATION FOR BIDS opened March 19, 2025.

YOU ARE HEREBY NOTIFIED that your proposal/bid has been accepted by the Village Board on April 7, 2025 for items and services for the amount of: Three Million, Two Hundred Twenty-Five Thousand, One Hundred Forty-Two Dollars and 24/100ths ($3,225,142.24).

You are required to execute the Contract Documents and provide necessary Insurance documentation within Fifteen (15) days from the date of this Notice to you.

If you fail to execute said Contract within Fifteen (15) days from the date of this Notice, said Owner will be entitled to consider all your rights arising out of the Owner's acceptance of your proposal as abandoned and the Owner will be entitled to such other rights as may be granted by law. Please return signed contracts to Lisa Subrin.

You are required to return an acknowledged copy of this Notice of award to the Village, with two signed copies of the contract.

Dated this 7th day of April, 2025

Village of Arlington Heights

By: _____

Lisa Subrin, Purchasing Coordinator

Acceptance of Notice

Receipt of the above Notice of Award is acknowledged by Berger Contractors, Inc this _____ of April (month), 2025.

By: _____

Title: _____

VILLAGE OF ARLINGTON HEIGHTS
CONTRACT

This Agreement is made and entered into this 7th day of April, 2025, between the Village of Arlington Heights "Village" and Berger Contractors, Inc
, "Vendor."

In consideration of the mutual benefits that will result to the parties in carrying out the terms of this Agreement, the parties agree as follows:

1. The Vendor agrees to do all the work, furnish all materials and all labor necessary to complete the work in full compliance with all of the terms of this agreement and the proposed specifications and the requirements of the Director under it;
2. The Village agrees to pay the Vendor based on unit prices for completion of the work in accordance with the bid documents;
3. It is understood and agreed that the Bid Documents, Specifications, Addenda, and the Bidder's response are all essential documents for the Forrest Ave Stormwater Improvement Project. They are attached and hereby made part of this agreement.

IN WITNESS WHEREOF, the Parties have executed this Agreement on the date indicated above.

Attest: Village of Arlington Heights

_____ By:_____
Clerk
(Seal) Title: _____

Date:_____

Attest:

Bidder:

By:_____

_____ Title:_____
Notary
(Seal) Date:_____

Subscribed & sworn before me this _____day of _____2025.

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Ordinance Approving a Land Use Variation for ICON Studio - 3375 N. Arlington Heights Rd, Units A, B, G & H

Department: Planning & Community Development

Item Description:
At the February 18, 2025, Village Board meeting a Land Use Variation to allow a beauty salon in the M-1 District on the subject property was discussed and approved. The Ordinance setting forth the provisions and conditions of approval is attached.

Recommendation
Adoption of an Ordinance granting a Land Use Variation to allow a beauty salon in the M-1 District for ICON Studio at 3375 N. Arlington Heights Rd, Units A, B, G, H.

ATTACHMENTS:
1. AH Ordinance Approving PUD Amendment and Variations for 3335-3385 N. Arlington Heights Road 4.1.25

Prepared by and return to:
Village of Arlington Heights
33 S. Arlington Heights Road
Arlington Heights, Illinois 60005
Attention: Village Clerk

THIS SPACE FOR RECORDERS USE ONLY

VILLAGE OF ARLINGTON HEIGHTS

ORDINANCE NO. 2025-_____

AN ORDINANCE AMENDING
A PLANNED UNIT DEVELOPMENT AND GRANTING VARIATIONS
FOR THE PROPERTY AT 3335-3385 N. ARLINGTON HEIGHTS ROAD

ADOPTED BY THE
PRESIDENT AND BOARD OF TRUSTEES
OF THE VILLAGE OF ARLINGTON HEIGHTS
THIS ____ DAY OF _____, 2025.

AN ORDINANCE AMENDING
A PLANNED UNIT DEVELOPMENT AND GRANTING VARIATIONS
FOR THE PROPERTY AT 3335-3385 N. ARLINGTON HEIGHTS ROAD

WHEREAS, NRF IX – Arlington Heights, LLC, a Delaware limited liability company ("***NRF IX***"), is the record title owner of that certain real property situated within the Village's M-1 Research, Development, and Light Manufacturing District ("***M-1 District***") and located at the address commonly known as 3335-3385 N. Arlington Heights Road, Arlington Heights, Illinois, and legally described in **Exhibit A** attached to and, by this reference, made a part of this Ordinance ("***3335-3385 Property***"); and

WHEREAS, Arlington Global, LLC, an Illinois limited liability company ("***Arlington Global***"), is the record title owner of that certain real property situated within the Village's M-1 District and located at the address commonly known as 3395 N. Arlington Heights Road, Arlington Heights, Illinois ("***3395 Property***") (collectively, 3335-3385 Property and 3395 Property are the "***Property***," and NRF IX and Arlington Global are the "***Owners***"); and

WHEREAS, on November 19, 1979, the Village President and Board of Trustees adopted Ordinance No. 79-166, approving the development of the Property as a planned unit development and rezoning the Property from the R-1 One-Family Dwelling District to the M-1 District; and

WHEREAS, the President and Board of Trustees subsequently adopted Ordinance Nos. 80-105, 81-028, 81-035, and 19-002, amending Ordinance No. 79-166 (collectively, Ordinance Nos. 79-166, 80-105, 81-028, 81-035, and 19-002 are hereinafter referred to as the "***Existing Arlington Executive Plaza PUD***", and the Existing Arlington Executive Plaza PUD, as amended by this Ordinance, is hereinafter referred to as the ***"Amended Arlington Executive Plaza PUD"***); and

WHEREAS, the Property is currently improved with seven multi-tenant office buildings currently occupied by a mix of medical office users and standard office users, and a parking lot with a total of 266 off-street parking spaces; and

WHEREAS, Artemiy Novik (***"Applicant"***), the tenant of Suites A, B, G, and H of the building located at 3375 N. Arlington Heights Road within the Property ("***Leased Premises***"), desires to use the Leased Premises for a barber shop and beauty salon ("***Proposed Use***"); and

WHEREAS, pursuant to Section 12.2 of the "The 2002 Comprehensive Amendment of the Zoning Code of the Village of Arlington Heights," as amended ("***Zoning Code***"), the Property may only be used for the Proposed Use upon issuance by the Village Board of Trustees of a land use variation therefor; and

WHEREAS, pursuant to Section 10.4-2 of Zoning Code, upon occupancy of the Leased Premises for the Proposed Use, not less than 273 parking spaces must be provided on the Property; and

WHEREAS, pursuant to Section 9 of the Zoning Code, in order to allow the Proposed Use on the Property, Artemiy Novik and Inha Stankevich ("***Applicant***"), with the consent of the Owners, filed an application for approval of: (i) an amendment to the Existing Arlington Executive Plaza PUD regarding required parking; (ii) a land use variation to allow a barber shop and beauty salon in the M-1 District; and (iii) a variation from Section 10.4-2 of the Zoning Code to reduce the number of required off-street parking spaces on the Property, from 273 to 238 (collectively, the "***Requested Relief***"); and

WHEREAS, a public hearing of the Plan Commission of the Village to consider approval of the Requested Relief was duly advertised in the *Daily Herald* on December 23, 2024, and held on January 8, 2025; and

WHEREAS, on January 8, 2025, the Plan Commission made findings and recommendations in support of the Requested Relief, subject to specified conditions; and

WHEREAS, the Village President and Board of Trustees has determined that the Requested Relief complies with the required standards for planned unit developments and variations as set forth in Section 9 of the Zoning Code; and

WHEREAS, consistent with the Plan Commission recommendation, the President and Board of Trustees have determined that it will serve and be in the best interests of the Village and its residents to approve the Requested Relief, in accordance with, and subject to, the conditions, restrictions, and provisions of this Ordinance;

NOW, THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Ordinance are found to be true and correct and are hereby adopted as part of this Ordinance.

SECTION 2. APPROVAL OF AMENDMENT TO THE EXISTING ARLINGTON EXECUTIVE PLAZA PUD. Subject to, and contingent upon, the conditions, restrictions, and provisions set forth in Section 4 of this Ordinance, and in accordance with, and pursuant to, Section 9 of the Zoning Code and the home rule powers of the Village, the President and Board of Trustees hereby approve an amendment to the Existing Arlington Executive Plaza PUD to permit the occupancy of the Leased Premises for the Proposed Use, with the continued maintenance of 238 off-street parking spaces on the Property.

SECTION 3. GRANT OF VARIATIONS. Subject to, and contingent upon, the conditions, restrictions, and provisions set forth in Section 4 of this Ordinance, and in accordance with, and pursuant to, Section 9 of the Zoning Code and the home rule powers of the Village, the Village hereby grants NRF IX and the Applicant the following variations:

A. A land use variation to allow for the operation of a barber shop and beauty salon in the M-1 District in the Leased Premises.

B. A variation from Section 10.4-2 the Zoning Code to reduce the minimum required off-street parking spaces on the Property, from 273 to 238, but subject to the condition set forth in Section 4.C of this Ordinance.

SECTION 4. CONDITIONS. Notwithstanding any use or development right that may be applicable or available pursuant to the provisions of the Zoning Code, the approvals granted pursuant to Sections 2 and 3 of this Ordinance are hereby expressly subject to, and contingent upon, the development, use, and maintenance of the 3335-3385 Property in compliance with each and all of the following conditions:

A. Compliance with Regulations. Except to the extent specifically provided otherwise in this Ordinance, the development, use, operation, and maintenance of the 3335-3385 Property must comply at all times with all applicable Federal, State, and Village statutes, codes, ordinances, and regulations, as the same have been or may be amended from time to time.

B. Uses. No more than 16,807 square feet within the buildings on the 3335-3385 Property may be leased to medical office or permitted non-general office uses.

C. Parking Spaces. If the Village determines, in its sole discretion, that the existing parking on the 3335 -3385 Property is insufficient to satisfy the parking demands of the use of the 3335 -3385 Property, then within six months of receipt of notice thereof from the Village, NRF IX must provide not less than the minimum parking spaces otherwise required by the Zoning Code for the 3335-3385 Property, either by provision of on-site parking spaces, provision of off-site parking spaces, or modification of uses occupying the 3335-3385 Property, to the Village's satisfaction.

D. Landscaping. On or before May 15, 2025, or by such later date as the Village Director of Planning and Community Development may approve in writing, NRF IX must plant the following landscaping enhancements on the 3335-3385 Property in the locations depicted therefor on the marked-up survey attached hereto as **Exhibit B** and, by this reference, made a part of this Ordinance:

1. Two three-inch caliper shade trees within the parking islands at the eastern end of the 3335-3385 Property, in compliance with Section 6.15 of the Zoning Code.

2. Infill foundation plantings along the north end of the 3385 N. Arlington Heights Road building, and infill plantings along the western and southern foundation of the 3345 N. Arlington Heights Road building.

E. Sidewalk. NRF IX must replace the existing sidewalk located on the Property in front of the 3375 N. Arlington Heights Road building, from the entrance to the parking lot and the pavement for the accessible nearest stall to the entrance of the Leased Premises.

SECTION 5. CONTINUED EFFECT; CONFLICTS.

A. Except as expressly modified by this Ordinance, the Existing Arlington Executive Plaza PUD will remain in full force and effect, and NRF IX and the Applicant must comply with all requirements, conditions, and restrictions in the Amended Arlington Executive Plaza PUD. Any violation of this Ordinance will be deemed a violation of the Amended Arlington Executive Plaza PUD and the Zoning Code.

B. In the event of a conflict between the provisions of any of the ordinances comprising the Existing Arlington Executive Plaza PUD and the provisions of this Ordinance, the provisions of this Ordinance will control.

SECTION 6. RECORDATION; BINDING EFFECT. A copy of this Ordinance will be recorded with the Cook County Clerk Recordings Division. This Ordinance and the privileges, obligations, and provisions contained herein will inure solely to the benefit of, and be binding upon, NRF IX and the Applicant, and each of their respective successors and assigns, including, without limitation, subsequent owners or lessees of the 3335-3385 Property.

SECTION 7. FAILURE TO COMPLY WITH CONDITIONS. Upon the failure or refusal of NRF IX or the Applicant to comply with any or all of the conditions, restrictions, or provisions of this Ordinance, in addition to all other remedies available to the Village, the approvals granted in Sections 2 and 3 of this Ordinance will, at the sole discretion of the Village President and Board of Trustees, by ordinance duly adopted, be revoked and become null and void; provided, however, that the Village President and Board of Trustees may not so revoke the approvals granted in Sections 2 and 3 unless it first provides NRF IX and the Applicant with two months advance written notice of the reasons for revocation and an opportunity to be heard at a regular meeting of the Village President and Board of Trustees. In the

event of such revocation, the Village Manager and Village Attorney are hereby authorized and directed to bring such zoning enforcement action as may be appropriate under the circumstances.

SECTION 8. AMENDMENTS. Unless provided otherwise in this Ordinance, after the effective date of this Ordinance: (a) any amendments to the approvals granted in Sections 2 and 3 of this Ordinance or the conditions contained in Section 4 of this Ordinance that NRF IX may request may be granted only pursuant to the procedures, and subject to the standards and limitations, provided in the Zoning Code, after NRF IX files an application with the Village requesting such relief; (b) any amendments to the Amended Arlington Executive Plaza PUD that are described in an application that incorporates by reference only the 3335-3385 Property need only be signed by NRF IX, provided NRF IX gives notice of the filing of such application to Arlington Global; and (c) amendments to the Amended Arlington Executive Plaza PUD that are described in an application that incorporates by reference only the 3395 Property need only be signed by Arlington Global, provided Arlington Global gives notice of the filing of such application to NRF IX.

SECTION 9. SEVERABILITY. If any provision of this Ordinance or part thereof is held invalid by a court of competent jurisdiction, the remaining provisions of this Ordinance will remain in full force and effect, and will be interpreted, applied, and enforced so as to achieve, as near as may be, the purpose and intent of this Ordinance to the greatest extent permitted by applicable law.

SECTION 10. EFFECTIVE DATE.

A. This Ordinance will be effective only upon the occurrence of all of the following events:

1. Passage by the Village President and Board of Trustees in the manner required by law;

2. Publication in pamphlet form in the manner required by law;

3. Recordation of this Ordinance, together with such exhibits as the Village Clerk deems appropriate for recordation, with the office of the Recorder of Cook County; and

4. The filing by the Owners and the Applicant with the Village Clerk of an Unconditional Agreement and Consent, in the form of **Exhibit C** attached to and, by this reference, made a part of this Ordinance, to accept and abide by each and all of the terms, conditions, and limitations set forth in this Ordinance and to indemnify the Village for any claims that may arise in connection with the approve of this Ordinance.

B. In the event that either the Owners or the Applicant do not file fully-executed copies of the Unconditional Agreement and Consent, as required by Section 10.A.4 of this Ordinance, within 30 days after the date of final passage of this Ordinance, the Village President and Board of Trustees will have the right, in their sole discretion, to declare this Ordinance null and void and of no force or effect.

AYES:

NAYS:

PASSED AND APPROVED THIS ___ day of _____, 2025

_____
Village President

ATTEST:

_____
Village Clerk

EXHIBIT A

Legal Description of the Property

The 3335-3385 Property

Lot 3 in North Ridge Subdivision in Arlington Heights being a subdivision of part of the Northwest quarter of the Northwest quarter of Section 8, Township 42 North, Range 11, East of the Third Principal Meridian, in Cook County, Illinois; and

Lot 3 in Tschurtz's Subdivision of part of the Northwest quarter of Section 8, Township 42 North, Range 11, East of the Third Principal Meridian in Cook County, Illinois.

Commonly known as: 3335-3395 N. Arlington Heights Road, Arlington Heights, Illinois

P.I.N.: 03-08-100-036 and 03-08-100-040

The 3395 Property

Lot 2 in North Ridge Subdivision in Arlington Heights being a subdivision of part of the Northwest quarter of the Northwest quarter of Section 8, Township 42 North, Range 11, East of the Third Principal Meridian, in Cook County, Illinois.

P.I.N.: 03-08-100-035

EXHIBIT B

Marked-Up Survey Indicating Locations of New Landscape Plantings

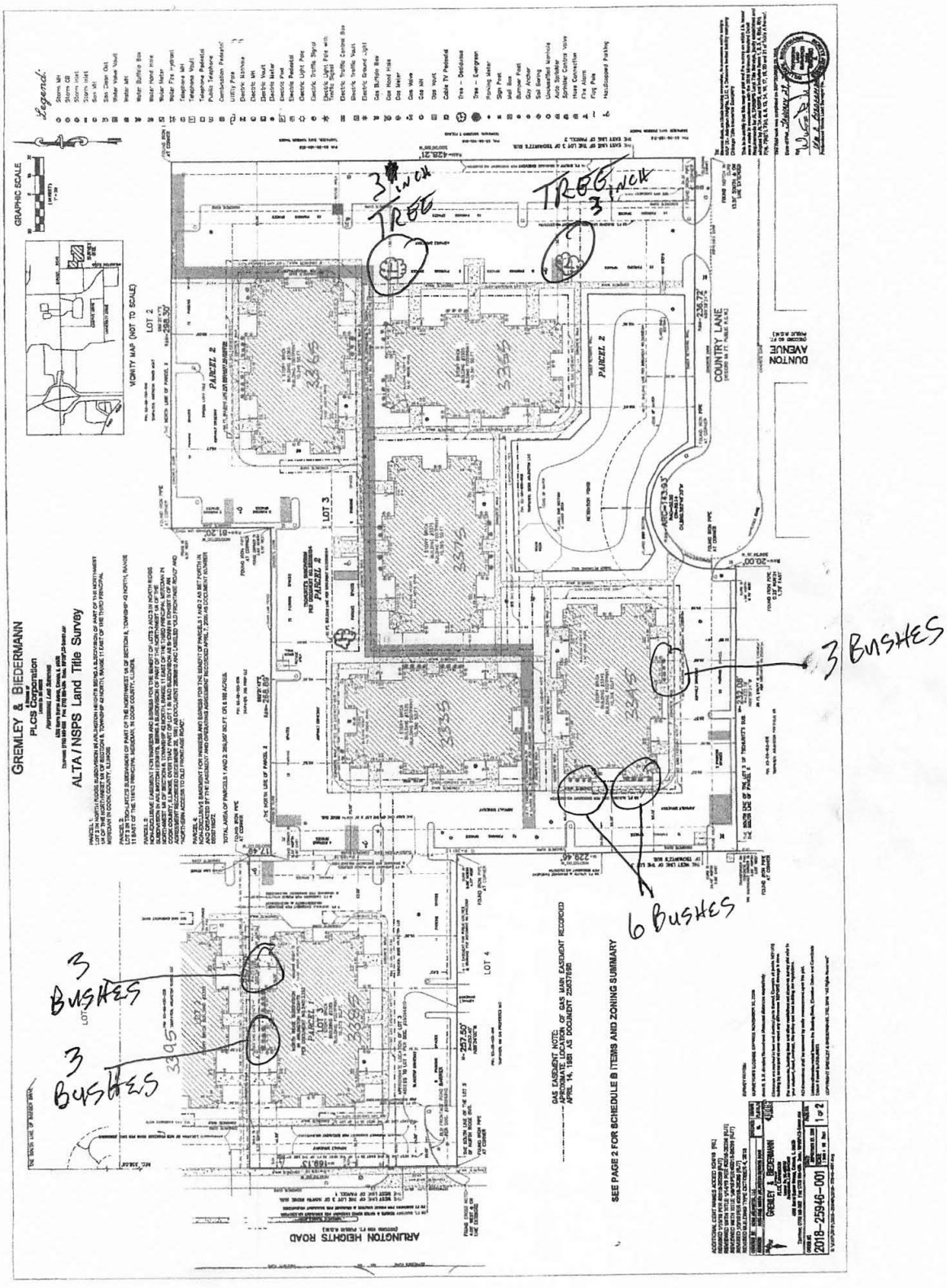


EXHIBIT C

Unconditional Agreement and Consent

TO: The Village of Arlington Heights, Illinois (*"Village"*):

WHEREAS, NRF IX – Arlington Heights, LLC, a Delaware limited liability company ("***NRF IX***"), is the record title owner of that certain real property situated within the Village's M-1 Research, Development, and Light Manufacturing District ("***M-1 District***") and located at the address commonly known as 3335-3385 N. Arlington Heights Road, Arlington Heights, Illinois, and legally described in **Exhibit A** attached to and made a part of this Ordinance, as hereinafter defined ("***3335-3385 Property***"); and

WHEREAS, Arlington Global, LLC, an Illinois limited liability company ("***Arlington Global***"), is the record title owner of that certain real property situated within the Village's M-1 District and located at the address commonly known as 3395 N. Arlington Heights Road, Arlington Heights, Illinois ("***3395 Property***") (collectively, the 3335-3385 Property and 3395 Property are the "***Property***," and NRF IX and Arlington Global are the "***Owners***"); and

WHEREAS, on November 19, 1979, the Village President and Board of Trustees adopted Ordinance No. 79-166, approving the development of the Property as a planned unit development and rezoning the property from the R-1 One-Family Dwelling District to the M-1 District; and

WHEREAS, the President and Board of Trustees subsequently adopted Ordinance Nos. 80-105, 81-028, 81-035, and 19-002, amending Ordinance No. 79-166 (collectively, Ordinance Nos. 79-166, 80-105, 81-028, 81-035, and 19-035 are the "***Existing Arlington Executive Plaza PUD***"); and

WHEREAS, Artemiy Novik (***"Applicant"***), the tenant of Suites A, B, G, and H of the building located at 3375 N. Arlington Heights Road within the Property ("***Leased Premises***"), desires to use the Leased Premises for a barber shop and beauty salon ("***Proposed Use***"); and

WHEREAS, pursuant to Section 9 of the Zoning Code, in order to allow the Proposed Use on the 3335-3385 Property, Applicant, with the consent of the Owners, filed an application for approval of: (i) an amendment to the Existing Arlington Executive Plaza PUD regarding required parking; (ii) a land use variation to allow a barber shop and beauty salon in the M-1 District; and (iii) a variation from Section 10.4-2 of the Zoning Code to reduce the number of required off-street parking spaces on the Property from 273 to 238 (collectively, the "***Requested Relief***"); and

WHEREAS, on _____, 2025, the President and Board of Trustees adopted Ordinance No. _____ ("***Ordinance***"), amending the Existing Arlington Executive Plaza PUD and approving variations to permit the occupancy of a portion of the 3375 N. Arlington Heights building on the Property by a barber shop and beauty salon tenant; and

WHEREAS, Section 10 of the Ordinance provides, among other things, that the Ordinance will be of no force or effect unless and until the Owners and Applicant have filed, within 30 days after the passage of the Ordinance, their unconditional agreement and consent to accept and abide by each and all of the terms, conditions, and limitations set forth in the Ordinance; and

NOW, THEREFORE, the Owners and the Applicant hereby agree and covenant as follows:

1. The Owners and the Applicant hereby unconditionally agree to, accept, consent to, and will abide by, each and all of the terms, conditions, limitations, restrictions, and provisions of the Ordinance.

2. The Owners and the Applicant acknowledge that public notices and hearings have been properly given and held with respect to the adoption of the Ordinance, have considered the possibility of the revocation provided for in the Ordinance, and agree not to challenge any such revocation on the grounds of any procedural infirmity or a denial of any procedural right.

3. The Owners and the Applicant acknowledge and agree that the Village is not and will not be, in any way, liable for any damages or injuries that may be sustained as a result of the Village's granting of the Requested Relief for the Property or its adoption of the Ordinance, and that the Village's approvals do not, and will not, in any way, be deemed to insure the Owners and the Applicant against damage or injury of any kind and at any time.

4. NRF IX and the Applicant hereby agree to hold harmless and indemnify the Village, the Village's corporate authorities, and all Village elected and appointed officials, officers, employees, agents, representatives, and attorneys, from any and all claims that may, at any time, be asserted against any of such parties in connection with the Village's adoption of the Ordinance granting the Requested Relief for the Property.

Dated: _____, 2025

NRF IX – ARLINGTON HEIGHTS, LLC

By: _____

Its: _____

ARLINGTON GLOBAL, LLC

By: _____

Its: _____

ARTEMIY NOVIK

By: _____

Its: _____

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Approving an Agreement for Forrest Avenue Stormwater Improvements - Construction Observation and Other Engineering Related Services

Department: Public Works & Engineering

Item Description:

The approved 2025 Capital Budget includes $3,276,252, for the Forrest Avenue Stormwater Improvements project.

The need for these improvements was first identified in a 2016 drainage study. The project will include the construction of roadside ditches, storm sewers, and both above-ground and below-ground detention facilities to mitigate localized flooding in the area.

The Village has awarded a design contract in 2023, and the project was advertised for bid and is being proposed for approval at this Village Board meeting. Construction is anticipated to start as early as possible, with anticipated completion sometime in late fall.

Staff requested a proposal from Engineering Resource Associates, Inc. (ERA) for Resident Engineering Services related to this project. The attached proposal outlines the duties, scope of services, construction inspection services, and hourly rates for the project. The total proposed cost for these Engineering Services is $177,800.00.

This contract will exceed available funding under this project by $126,692. However, savings realized from the Race/Chicago Stormwater Project will be able to accommodate this overage.

Funds are available for this work in Account No. 426-7101-550250 (SW2101).

RECOMMENDATION

It is recommended that the Village Board approve the Agreement with Engineering Resource Associates, Inc. (ERA) of Warrenville, Illinois, to provide Engineering Services related to the project as authorized in the attached Resolution, and execute the necessary documents.

ATTACHMENTS:

1. Forrest Avenue Stormwater Improv Observ - Resolution and Agreement

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION APPROVING AN AGREEMENT WITH
ENGINEERING RESOURCE ASSOCIATES, INC. OF WARRENVILLE, ILLINOIS
FOR FORREST AVENUE STORMWATER IMPROVEMENTS CONSTRUCTION OBSERVATION
AND OTHER ENGINEERING RELATED SERVICES

WHEREAS, the Village desires to retain a qualified firm to provide Engineering Construction Observation Services, and other related Engineering Services associated with the Forrest Avenue Stormwater Improvements Project (*"Services"*); and

WHEREAS, the Village issued a request for qualifications for qualified firms to complete the Services; and

WHEREAS, the Village has determined that the proposal submitted by Engineering Resource Associates, Inc. of Warrenville, Illinois (*"Consultant"*), is the most appropriate for the provision of the Services; and

WHEREAS, the Village and Consultant desire to enter into an agreement for the provision of the Services by Consultant (*"Agreement"*); and

WHEREAS, the Village President and Board of Trustees have determined that entering into the Agreement with Consultant will serve and be in the best interest of the Village;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF AGREEMENT. The Board of Trustees hereby approves the Agreement by and between the Village and Consultant, in substantially the form attached to this Resolution as Exhibit A, and in a final form to be approved by the Village Manager and the Village Attorney.

SECTION 3. EXECUTION OF AGREEMENT. The Village Manager and the Village Clerk are hereby authorized and directed to execute and attest, on behalf of the Village, the Agreement upon receipt by the Village Clerk of at least one original copy of the Agreement executed by Consultant; provided, however, that if the executed copy of the Agreement is not received by the Village Clerk within 60 days after the effective date of this Resolution, then this authority to execute and attest will, at the option of the President and Board of Trustees, be null and void.

SECTION 4. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

[SIGNATURE PAGE FOLLOWS]

AYES:

NAYS:

PASSED AND APPROVED THIS 7th day of April, 2025

_____
Village President

ATTEST:

_____
Village Clerk

EXHIBIT A

AGREEMENT

ENGINEERING RESOURCE ASSOCIATES

Sent via email to dhoscilo@vah.com

March 14, 2025

Daniel Hoscilo
Civil Engineer - Traffic
Village of Arlington Heights
33 South Arlington Heights Road
Arlington Heights, Illinois 60005

Subject: Proposal for Resident Engineering Services – Forrest Avenue Stormwater Improvements

Dear Dan:

Engineering Resource Associates, Inc. (ERA) is pleased to submit this proposal to provide construction engineering services for the Forrest Avenue Stormwater Improvements Project. The project will primarily consist of the installation of various diameter storm sewers, underground storage systems, pavement patching, and landscape restoration. It is anticipated that ERA will provide full-time resident engineering services for the duration of the project.

PHASE 3 ENGINEERING TASKS

ERA will provide resident engineering services in accordance with the following anticipated work plan.

Task 1 – Project Management

- Project Startup
  a) Review bidding/contract documents and engineering drawings
  b) Confirm drawings and specifications include all modifications to the documents including all addenda.
  c) Assemble Quantity and IDR books utilizing IDOT forms as required.

- Meetings and Coordination - The following meetings and items are anticipated during the construction phase of this project:

  a) Attend the pre-bid and pre-construction meetings as a representative of the Village. (2 meetings)
  b) Conduct regular weekly project meetings to review contractor progress, discuss project issues, coordinate with other contractors and review upcoming operations.
  c) Distribute meeting summaries to attendees and other interested parties.
  d) Coordinate with the contractor and the Village's material testing consultant to ensure material testing conforms to contract requirements.
  e) Present updates, both written and oral for Village staff, Village Board or other constituents.

- Submittal Reviews

  a) Record data received, maintain a file of shop drawings and catalog cut and material supply submissions and check administrative compliance with contract requirements.
  b) Review shop drawings and other submittals from the project contractor for conformance with the requirements of the contract documents. Notify the Village of any deviations or substitutions. With the notification, provide the Village with a recommendation for acceptance or denial, and request direction from the Village regarding the deviation or substitution.

c) Ensure that the contractor's materials conform to the requirements outlined in the contract documents.

- Scheduling

a) Monitor contractor's progress, adherence to project schedule and communicate with Village staff.
b) Review schedule with contractor on a daily basis and require contractor to update schedule on a weekly basis as necessary.
c) Track and record working days as they are expended. It is anticipated that the awarded contractor may complete a project of this magnitude within 20 weeks (100 working days) after notice to proceed.

- Pay Request and Change Order Review

a) Review applications for payment and compare to documentation records on a monthly basis.
b) Forward recommendations for payment to Village staff.
c) Review change order documentation and justifications.
d) Forward change order recommendations to Village staff.

Task 2 – Construction Layout

- Construction Layout

a) The project contractor will be required to provide construction layout services.
b) ERA will verify apparent conformance of layout with plan call outs.

Task 3 – Construction Observation

- Construction Observation

a) Provide one full-time resident engineer for the anticipated 100 actual (not just chargeable) working day construction period between April 14, 2025 and September 1, 2025. For construction observation, we are anticipating an average of 9 hours per working day for our full-time resident engineer.
b) Serve as the Village's liaison with the contractor primarily through the contractor's superintendent, public/private utilities and various jurisdictional agencies.
c) Arrange required material testing with the Village's material testing consultant.
d) Review weekly progress, prepare a weekly summary to be approved by the Village and distributed to the interested parties.
e) Daily review and inspection of traffic and erosion control items including completion of a weekly barricade check report.
f) Maintain a database of names, addresses and telephone numbers of subcontractors, contractors, suppliers, and utility companies and other entities involved with the project.
g) Alert the Contractor's field superintendent when un-approved materials or equipment are being used and advise the Village of such occurrences.

Task 4 – Material Testing

- Material Testing

a) ERA will coordinate with the Village's material testing subconsultant who is anticipated to be on site during HMA and PCC placement operations to ensure all HMA and PCC materials meet the requirements of the specifications.

Task 5 – Project Documentation| Closeout

- Documentation – The following tasks are anticipated.

  a) Track and measure contract pay item quantities using Inspector's Daily Reports.
  b) Keep and maintain a daily diary summarizing contractor operations, coordination activities, weather, project issues, etc.
  c) Maintain a database of names, addresses and telephone numbers of subcontractors, contractors, suppliers, and utility companies and other entities involved with the project.
  d) Collect and file material tickets.
  e) Prepare weekly reports.
  f) Submit project documentation to ERA office for use in reviewing contractor pay requests.
  g) Track contractor time and materials expended on extra work items

- Project Closeout

  a) Prepare a list of items for correction by the contractor.
  b) Review testing results and incorporate into punch list.
  c) Work with Village staff to incorporate items into the punch list.
  d) Work with contractor to complete all punch list items in a timely, responsive manner.
  e) Conduct final inspection with contractor and Village representatives.
  f) Provide final contract records/documents (within 6 weeks of project completion)

Direct costs/reimbursables including printing costs, mileage and postage will be charged at the actual rate with no markup.

Fees for services not included in this proposal, when approved by the Client, will be compensated for on an hourly basis with a 2.85 multiplier.

We greatly appreciate the opportunity to provide this proposal and we look forward to working with the Village on this important assignment. Please contact me at (630)393-3060 x1003 or bdusak@eraconsultants.com if you have any questions or comments.

Sincerely,

Brian Dusak, PE
Principal / Construction Engineering Director

Exhibit 1

Acceptance & Authorization Form – March 14, 2025
Forrest Avenue Stormwater Improvements RE

Engineering Resource Associates, Inc.	**Village of Arlington Heights**
Authorized Signature	**Authorized Signature**
Brian Dusak, PE | Principal	
Printed Name and Title	**Printed Name and Title**
	Date

3S701 West Avenue
Suite 150
Warrenville, Illinois 60555
630-393-3060 t, 630-393-2152 f

Please Provide Contact Information:

Mailing Address:

(please provide street address for UPS deliveries)

Telephone & Facsimile Numbers:

Email Address:

INVOICES should be sent via: Email ☐ USPS Mail ☐ Email & USPS Mail ☐

If different than above address,

invoices should be addressed to:

Invoice Email Address (if different than above):

Note any billing forms/procedures:

M:\Proposals and Agreements\Governmental\Arlington Heights\PL2501.48 ForrestAveStormWaterImprovementsRE\2025_03_14 ForrestAveStormwaterImprovementsRE.doc

ENGINEERING RESOURCE ASSOCIATES

3s701 West Ave, Suite 150
Warrenville, IL 60555
Phone: 630-393-3060
Fax: 630-393-2152
www.eraconsultants.com

CLIENT: Village of Arlington Heights
PROJECT: Forrest Avenue Stormwater Improvements
PROJECT LOCATION: Village of Arlington Heights
COUNTY: Cook County

Date: 3/14/25
Consultant: Engineering Resource Associates, Inc.
Project Manager: Brian Dusak
PP/PL No.: PL2501.48

TASK No.	WORK DESCRIPTION	HOURS	WEIGHTED HOURLY RATE	ERA'S FEE	DIRECT COSTS	GRAND TOTAL	% OF GRAND TOTAL
1	Project Management	72	$144	$10,300.00		$10,300.00	5.79%
2	Construction Layout	8	$158	$1,300.00		$1,300.00	0.73%
3	Construction Observation	900	$166	$149,100.00	$4,500.00	$153,600.00	86.39%
4	Material Testing	2	$129	$300.00		$300.00	0.17%
5	Project Documentation | Closeout	84	$146	$12,300.00		$12,300.00	6.92%
							0.00%
							0.00%
							0.00%
							0.00%
							0.00%
							0.00%
							0.00%
							0.00%
							0.00%
							0.00%
							0.00%
	Services by Others						
							0.00%
	TOTALS	**1066**	**$148.41**	**$173,300.00**	**$4,500.00**	**$177,800.00**	**100%**

ENGINEERING RESOURCE ASSOCIATES
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Warrenville, IL 60555
Phone: 630-393-3060
Fax: 630-393-2152
www.eraconsultants.com

CLIENT: Village of Arlington Heights
PROJECT: Forrest Avenue Stormwater Improvements
PROJECT LOCATION: Village of Arlington Heights

			Project Management			Construction Layout			Construction Observation			Material Testing		
PAYROLL CLASSIFICATION	**HOURLY RATE**	**TOTAL HRS**	**HOURS**	**% PART**	**WGTD RATE**	**HOURS**	**% PART**	**WGTD RATE**	**HOURS**	**% PART**	**WGTD RATE**	**HOURS**	**% PART**	**WGTD RATE**
Professional Engineer IV	$203.03	12.0	4	5.6%	$11.29									
Professional Engineer III	$174.88	748.0	8	11.1%	$19.43	4	50.0%	$87.44	720	80.0%	$139.90			
Professional Engineer I	$128.93	238.0	16	22.2%	$28.65				180	20.0%	$25.79	2	100.0%	$128.93
Staff Engineer III	$140.79	60.0	40	55.6%	$78.22	4	50.0%	$70.40						
Administrative Staff III	$108.19	8.0	4	5.6%	$6.02									
	$0.00	0.0												
	$0.00	0.0												
	$0.00	0.0												
	$0.00	0.0												
	$0.00	0.0												
	$0.00	0.0												
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	$0.00	0.0												
	$0.00	0.0												
	$0.00	0.0												
	$0.00	0.0												
	$0.00	0.0												
TOTALS		1066.00	72	100.0%	$143.60	8	100.0%	$157.83	900	100.0%	$165.69	2	100.0%	$128.93

ENGINEERING RESOURCE ASSOCIATES

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CLIENT: Village of Arlington Heights
PROJECT: Forrest Avenue Stormwater Improvements
PROJECT LOCATION: Village of Arlington Heights
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Date: 3/14/25
Consultant: Engineering Resource Associates, Inc.
Project Manager: Brian Dusak
PP/PL No.: PL2501.48

		Project Documentation | Closeout											
PAYROLL CLASSIFICATION	**HOURLY RATE**	**HOURS**	**% PART**	**WGTD RATE**	**HOURS**	**% PART**	**WGTD RATE**	**HOURS**	**% PART**	**WGTD RATE**	**HOURS**	**% PART**	**WGTD RATE**
Professional Engineer IV	$203.03	8	9.5%	$19.33									
Professional Engineer III	$174.88	16	19.1%	$33.31									
Professional Engineer I	$128.93	40	47.6%	$61.40									
Staff Engineer III	$140.79	16	19.1%	$26.82									
Administrative Staff III	$108.19	4	4.8%	$5.15									
	$0.00												
	$0.00												
	$0.00												
	$0.00												
	$0.00												
	$0.00												
	$0.00												
	$0.00												
	$0.00												
	$0.00												
	$0.00												
	$0.00												
	$0.00												
TOTALS		84	100.0%	$146.01	0	0.0%	$0.00	0	0.0%	$0.00	0	0.0%	$0.00

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Approving Parking Garage Rehabilitation Construction Contract
Department: Public Works & Engineering

Item Description:
The 2025 Capital budget included $1,087,000 to rehabilitate the Village's four parking garages downtown. Rehabilitation efforts include aggressive maintenance that addresses structural concrete cracks, leaks, spalls, scaling, joint sealant deterioration, and waterproofing. These annual rehabilitation efforts at the parking garages ensure the long-term stability of the Village's parking infrastructure while minimizing costly emergency repairs down the road.

Due to the size of this year's program, there will be numerous traffic and parking phases in each garage, where sections of the garage will need to be closed for periods of work. Construction closures will displace residential and commuter parking to other lots and garages. Staff will work with the contractor to minimize these inconveniences.

The Vail parking garage, the Village's largest parking structure, will also see significant repair work but will be timed so that it takes place after Arlington Alfresco and Harmony Fest. Public Works and Engineering staff will work with the Village Manager's Office and the Planning and Community Development Department to disseminate timely construction updates to the Village's parking customers and downtown businesses.

On March 28, 2025, a public bid opening was held, and three bids were opened and read aloud. The following bids were received:

BIDDER	TOTAL BID
Hammer Construction	$ 909,616
J Gill & Company	$1,188,775
Western Specialty Contractors	$1,205,071

Hammer Construction of East Dundee, Illinois, was the lowest responsible bidder.

Funding for this project is available in Account Number 235-7101-550250 (BL0006)

RECOMMENDATION

It is recommended that the Village Board award Hammer Construction, of East Dundee, Illinois, the contract for the rehabilitation of the Village's four parking garages for a value of $909,616 as authorized in the attached Resolution and execute the necessary documents.

ATTACHMENTS:

1. 20250407_Parking _Garages_Contractual_Rehabilitation_Work_Resolution_and_attachmen t

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION APPROVING THE AWARD OF A CONTRACT
FOR THE CONTRACTUAL REHABILITATION WORK AT THE VILLAGE'S FOUR PARKING
GARAGES TO HAMMER CONSTRUCTION OF EAST DUNDEE, ILLINOIS

WHEREAS, the Village sought bids for the award of a contract for contractual rehabilitation work at the Village's four parking garages (*"Contract"*); and

WHEREAS, Hammer Construction, of East Dundee, Illinois (*"Contractor"*), was the lowest responsible and responsive bidder of the firms that submitted bid packages to the Village for the Contract; and

WHEREAS, the Village President and Board of Trustees have determined that entering into the Contract with Contractor will serve and be in the best interest of the Village and its residents;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF CONTRACT. The Board of Trustees hereby approves the Contract by and between the Village and Contractor, in substantially the form attached to this Resolution as Exhibit A, and in a final form and substance acceptable to the Village Administrator and Village Attorney.

SECTION 3. EXECUTION OF CONTRACT. The Village Manager and the Village Clerk are hereby authorized and directed to execute and attest, on behalf of the Village, the Contract upon receipt by the Village Clerk of at least one original copy of the Contract executed by Contractor; provided, however, that if the executed copy of the Contract is not received by the Village Clerk within 30 days after the effective date of this Resolution, then this authority to execute and attest will, at the option of the President and Board of Trustees, be null and void.

SECTION 4. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

AYES:

NAYS:

PASSED AND APPROVED THIS ___ day of _____, 20__.

_____
Village President

ATTEST:

_____
Village Clerk

EXHIBIT A

CONTRACT

Village of Arlington Heights

33 South Arlington Heights Road
Arlington Heights, Illinois 60005
847-368-5000
www.vah.com

NOTICE OF AWARD

Hammer Construction LLC
558 Plate Dr, Suite #3
East Dundee, IL 60118

April 7, 2025

Project Description: Village of Arlington Heights Four Parking Structures 2025 Maintenance Repairs

The Village of Arlington Heights has considered the proposal submitted by your Company for the above-described work in response to its INVITATION FOR BIDS opened March 28, 2025.

YOU ARE HEREBY NOTIFIED that your proposal/bid has been accepted by the Village Board on April 7, 2025 for items and services for the amount of: **Nine Hundred Nine Thousand Six Hundred Sixteen Dollars and 00/100ths** ($909,616.00).

You are required to execute the Contract Documents and provide necessary Insurance documentation within Fifteen (15) days from the date of this Notice to you.

If you fail to execute said Contract within Fifteen (15) days from the date of this Notice, said Owner will be entitled to consider all your rights arising out of the Owner's acceptance of your proposal as abandoned and the Owner will be entitled to such other rights as may be granted by law. Please return signed contracts to Lisa Subrin.

You are required to return an acknowledged copy of this Notice of award to the Village, with two signed copies of the contract.

Dated this 7th day of April, 2025

Village of Arlington Heights

By: _____

Lisa Subrin, Purchasing Coordinator

Acceptance of Notice

Receipt of the above Notice of Award is acknowledged by Hammer Construction LLC this _____ of _____ (month), 2025.

By: _____

Title: _____

VILLAGE OF ARLINGTON HEIGHTS
CONTRACT

This Agreement is made and entered into this 7th day of April, 2025, between the Village of Arlington Heights "Village" and Hammer Construction LLC, "Vendor."

In consideration of the mutual benefits that will result to the parties in carrying out the terms of this Agreement, the parties agree as follows:

1. The Vendor agrees to do all the work, furnish all materials and all labor necessary to complete the work in full compliance with all of the terms of this agreement and the proposed specifications and the requirements of the Director under it;
2. The Village agrees to pay the Vendor based on unit prices for completion of the work in accordance with the bid documents;
3. It is understood and agreed that the Bid Documents, Specifications, Addenda, and the Bidder's response are all essential documents for the Village of Arlington Heights Four Parking Structures 2025 Maintenance Repairs. They are attached and hereby made part of this agreement.

IN WITNESS WHEREOF, the Parties have executed this Agreement on the date indicated above.

Attest: Village of Arlington Heights

_____ By:_____
Clerk
(Seal) Title: _____

Date:_____

Attest:

Bidder:

By:_____

_____ Title:_____
Notary
(Seal) Date:_____

Subscribed & sworn before me this _____day of _____2025.

SPECIFICATIONS FOR

VILLAGE OF ARLINGTON HEIGHTS
FOUR PARKING STRUCTURES
2025 MAINTENANCE REPAIRS

March 2025 – RELEASED FOR BIDS

WALKER PROJECT NO. 31-009608.30

ARLINGTON HEIGHTS, ILLINOIS

WALKER CONSULTANTS

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00 41 00 Bid Forms
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02 00 10 Work Items
02 51 30 General Concrete Surface Preparation
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03 37 60 Prepackaged Repair Mortar
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04 20 10 Unit Masonry

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DIVISION 05 – METALS

05 16 17 Strand Guardrail System
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END OF SECTION 00 01 10

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VILLAGE OF ARLINGTON HEIGHTS
FINANCE DEPARTMENT, PURCHASING DIVISION
33 S. ARLINGTON HEIGHTS ROAD

BID SPECIFICATIONS AND CONTRACT DOCUMENTS

TIF #1, TIF #2, MUNICIPAL, AND EVERGREEN PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

Required for Use by:	Village of Arlington Heights- Public Works- Engineering
Bid Deposit:	10% of bid
Performance Bond:	100% of bid
Pre-Bid Meeting:	Monday, March 17th, 2025, at 10:00 A.M. at the Village of Arlington Heights Public Works Water Department 222 N. Ridge Avenue, Arlington Heights, Illinois, 60005.
Date and Time Bids Due:	March 28th, 2025, at 10:00 A.M. local time. Village Hall – Buechner Room, 33 S. Arlington Heights Road, Arlington Heights, Illinois 60005.
Date and Time of Bid Opening:	March 28, 2025, 10:00 A.M.
Project Contact:	Chester Gorecki – Public Works – 847-368-5805.
Purchasing Coordinator:	Lisa Subrin, lsubrin@vah.com, 847-368-5509

ADD IN NEW BID VERBIAGE HERE WHEN USING BID CENTRAL

In the event bidder cannot submit a bid on the requirements as set forth in the bid documents, he or she should return the bid documents with an explanation as to why he or she is unable to bid on these requirements. Because of the large number of firms listed on the Village's qualified bidder's list, it is necessary to delete from these lists the names of those persons, firms or corporations who fail to respond after having been invited to bid on a commodity or commodities.

BID NOTICE

TIF #1, TIF #2, MUNICIPAL, AND EVERGREEN PARKING STRUCTURES
2025 MAINTENANCE REPAIRS

Sealed proposals will be received by the Village of Arlington Heights, 33 S. Arlington Heights Road, Arlington Heights, Illinois, until 10:00 A.M. local time on Friday, March 28, 2025, at which time they will be publicly opened and read.

The Affidavit of Availability must be submitted with the proposal, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work.

Bidders shall comply with the Prevailing Wage Rate Act (820 ILCS 130/), the IDOT Standard Specifications for Road and Bridge Construction, adopted January 1, 2022, and the IDOT Supplemental Specifications and Recurring Special Provisions, adopted January 1, 2024. Bidders will also be required to comply with the applicable equal employment opportunity provisions.

All proposals or bids offered must be accompanied by a bid security in the amount of 10% of the total bid in the form of a certified check, bid bond or cashier's check made payable to the Village of Arlington Heights. No bids shall be considered unless accompanied by such security.

Bidders shall comply with the Prevailing Wage Rate Act (820 ILCS 130). Bidders will also be required to comply with the applicable equal employment opportunity provisions.

The Village of Arlington Heights reserves the right to reject any or all proposals, to waive informalities in bidding and to accept the proposal deemed by the Board of Trustees to be the most favorable to the interests of the Village.

Specifications/bid documents may be obtained by contacting Lisa Subrin, Purchasing Coordinator, by email at lsubrin@vah.com

For a list of our current bids, visit our website at www.vah.com.

PRE-BID CONFERENCE

TIF #1, TIF #2, MUNICIPAL, AND EVERGREEN PARKING STRUCTURES
2025 MAINTENANCE REPAIRS

A Mandatory Pre-Bid Conference will be held on **Monday, March 17, 2025, at 10:00 A.M. in the Public Works Department Conference Room, Village of Arlington Heights**, 222 N Ridge Avenue, Arlington Heights, IL 60005

Bidder's questions will be responded to at that time only. It is suggested, but not required, that any questions regarding the bid documents be submitted to Chester Gorecki, prior to the Pre-Bid Conference in order to allow the Village sufficient time to adequately research and prepare a response for the conference.

ENGINEER:
John Morgan
Walker Consultants
jmorgan@walkerconsultants.com

(331) 422-6505

VILLAGE OF ARLINGTON HEIGHTS
GENERAL CONDITIONS AND INSTRUCTIONS TO BIDDERS
PUBLIC IMPROVEMENTS/CONSTRUCTION

THE GENERAL TERMS AND CONDITIONS WHICH FOLLOW APPLY TO ALL PURCHASES AND SERVICES AND BECOME A DEFINITE PART OF EACH FORMAL INVITATION TO BID, PURCHASE ORDER, OR CONTRACT ISSUED BY THE VILLAGE OF ARLINGTON HEIGHTS ("VILLAGE"), UNLESS OTHERWISE SPECIFIED. BY SUBMITTING A BID, THE BIDDER AGREES TO BE BOUND BY THESE TERMS AND CONDITIONS. BIDDERS OR THEIR AUTHORIZED REPRESENTATIVES ARE EXPECTED TO FULLY INFORM THEMSELVES OF THE CONDITIONS, REQUIREMENTS, AND SPECIFICATIONS BEFORE SUBMITTING BIDS, FAILURE TO DO SO WILL BE AT THE BIDDER'S OWN RISK AND WILL NOT SECURE RELIEF ON THE PLEA OF ERROR.

1.01 PREPARATION OF PROPOSALS:

The bidder shall submit their sealed bid proposal on the proposal forms provided. The proposal shall be executed properly and all writing shall be ink or typewritten, except the signature of the bidder which shall be written in ink.

The bidder shall specify in figures, in the places provided, a price for each of the separate items called for in the proposal forms.

Additional detached proposal forms will be furnished upon request. Bidders are requested to submit their bids directly to the owner in a properly sealed envelope. If the bidder is a corporation, the legal name of the corporation, the state of incorporation and the business address shall be set forth together with signature of the officer or officers authorized to sign contracts on behalf of the corporation and attested by the secretary of the corporation. The corporate seal shall also be affixed. If the bidder is partnership, the true name and seals shall also be affixed. If the bidder is a partnership the true name and address of the firm shall be set forth together with the signatures of authorized partners. If the bidder is an individual, the signature and address shall be inscribed. If the signature is by an agent other than an officer of the corporation or member of the partnership, a power of attorney must be submitted with the bid, otherwise, the bid may be regarded as irregular. All names must be printed below the signature.

1.02 BID SECURITY:

No bid will be considered unless accompanied by a bid security as defined in the Invitation to Bid as a guarantee that if the bid is accepted the bidder will execute the agreement and file bonds and insurance's required by the contract documents. Bid securities shall be made payment to the Village of Arlington Heights. In the event that the bidder fails to furnish the required bonds and insurance within ten (10) calendar days after notice of acceptance of the bid by the Village, then the bid deposit of the bidder shall be retained by the Village as liquidated damages, it being now agreed that said sum is a fair estimate of the amount of damages that said Village will sustain due to the bidder's failure to furnish said bond.

1.03 BID SUBMITTAL:

Each bid properly signed together with the bid security and all documents bound herewith shall be enclosed in a sealed addressed and entitled envelope as specified in the Invitation for Bids and delivered to the office designated in the Invitation for Bids. If the bid is sent through the mail or other delivery system, the sealed envelope shall be enclosed in a separate envelope with the notation "Bid Enclosed" on the face of it.

1.04 WITHDRAWAL OF BID:

No bid shall be withdrawn after the opening of any bid without the consent of the Village. Any bid may be withdrawn at any time prior to the hour fixed in the Invitation for Bids for the opening of bids provided that a request in writing executed by the bidder or duly authorized representative for the withdrawal of such bid is filed with the owner prior to the time specified for the opening of bids.

1.05 AWARDING THE BID:

The contract will be awarded to the lowest responsible bidder, or any other bidder determined by the Village Board to be in the best interest of the Village, who complies with all the provisions of the invitation to bid. The Village reserves the right to reject any or all bids or to waive any non-conformity in bids received whenever such rejection or waiver is in the best interests of the Village. The Village also reserves the right to reject the bid of a bidder who has previously failed to satisfactorily perform a contract, has not completed contracts on time, or whom an investigation shows is not in a position to perform the contract.

In determining responsibility, the following qualifications will be considered by the Village:

(a) The ability, capacity, and skill of the bidder to perform the contract or provide the service required;

(b) Whether the bidder can perform the contract or provide service promptly, or within the time specified, without delay or interference;

(c) The character, integrity, reputation, judgment, experience, and efficiency of the bidder;

(d) The quality of performance of previous contracts or services;

(e) The previous and existing compliance by the bidder with laws and ordinances relating to the contract or service;

(f) The sufficiency of the financial resources and ability of the bidder to perform the contract or provide the service;

(g) The quality, availability, and adaptability of the supplies or contractual services to the particular use required;

Except as otherwise provided by law, the Village Mayor and Board of Trustees reserves the right to reject any or all bids and to waive any informality in the bids received.

2.00 WORK COVERED BY CONTRACT DOCUMENTS:

The work comprises the completed Public Improvements/Construction required by the contract documents and includes all labor necessary to produce such Public Improvements/Construction and all materials and equipment incorporated or to be incorporated in such Public Improvements/Construction.

3.00 CONTRACTOR:

The contractor is the person or entity identified as such in the owner-contractor agreement and is referred to throughout the contract documents as if singular in number. The term contractor means the contractor or an authorized representative.

4.00 DEFINITION OF TERMS:

Wherever used in these General Conditions, or in the other contract documents, the following terms have the meanings listed and include singular and plural; persons referred to throughout the contract documents are as if singular in number.

4.01 AWARD:

The decision of the Village to accept the proposal of a responsible bidder for the work, subject to the execution and approval of the contract and contract bond to secure performance, and such other conditions as may be specified or otherwise required by law.

4.02 BIDDER:

Any individual, firm or corporation submitting a proposal for the work, acting directly or through a duly authorized representative.

4.03 BID PROPOSAL SECURITY (PROPOSAL GUARANTEE):

The security furnished with the bid to guarantee that the bidder will enter into the contract for the work contemplated.

4.04 CONTRACT/AGREEMENT:

The contract represents the entire and integrated agreement between the Village and contractor and supersedes all prior negotiations, representations or agreements either written or oral. The contract may be amended, or modified in writing signed by both parties.

4.05 CONTRACT BOND:

The form of security approved by the Village and furnished by the contractor and the contractor's surety as a guarantee of good faith and ability on the part of the contractor to execute the work in accordance with the terms of the contract.

4.06 CONTRACT DOCUMENTS:

The contract documents consist of the Village/Contractor agreement, the conditions of the contract (general), supplementary or special and other conditions, the plans, specifications, addenda and all modifications (written amendments, change orders, written interpretations or other written orders), and the contract bond when required.

4.07 CORPORATION:

A corporate body authorized or licensed to do business in Illinois.

4.08 ENGINEER:

When the word "Engineer" appears in the specifications it shall mean the Village Engineer of the Village of Arlington Heights, Illinois or those designated by the Village Engineer.

4.09 OBSERVER:

The Village's authorized representative assigned to observe any or all portions of the work and materials being used for the project.

4.10 OWNER/VILLAGE:

When the word "Owner" or "Village" appears in the specifications they shall mean the Village of Arlington Heights, Illinois, a municipal corporation of the State of Illinois,

33 South Arlington Heights Road, Arlington Heights, Illinois 60005.

4.11 PLANS:

All official drawings or reproductions of drawings pertaining to the work provided for in the Contract.

4.12 PROJECT MANUAL:

The booklet (manual) which includes the bidding requirements, conditions of the contract, the proposal, specifications.

4.13 BID PROPOSAL:

The written offer of the bidder to perform the work proposed, presented to the Village.

4.14 SPECIAL CONDITIONS:

Special conditions, when included in these contract documents, shall act to supplement these general conditions, the attached specifications and the plans on particular portions of the project. They shall govern the contract documents wherever they conflict therewith; but shall not annul the portions of the contract documents with which they do not conflict.

4.15 SPECIFICATIONS:

The body of descriptions, conditions and requirements contained in the contract, together with written agreements and all documents of any description made or to be made pertaining to the method or manner of performing the work, the quantities, or the quality of materials to be furnished under the contract.

The specifications have abbreviated sections and may include incomplete sentences. Omissions of phrases such as "The Contractor Shall" or "Complying with the requirements of" are intentional. Omitted words or phrases shall be supplied by inference in the same manner as they are when a "note" occurs on the drawings, words in the singular shall include the plural wherever applicable, or as the context so indicates.

4.16 SURETY:

The corporate body, acceptable to the Village, bound with and for the contractor to insure acceptable performance of the contract and for payment of all obligations pertaining to the work.

4.17 MISCELLANEOUS DEFINITIONS:

(a) "Provide" means furnish, fabricate, complete, deliver, install, and erect, including all labor, materials, equipment, apparatus, appurtenances, and expenses necessary to complete in place, ready for operation or use.

(b) "Shall" means mandatory.

(c) "As Required" means as prescribed by the contract documents.

(d) "As Necessary" means essential to the completion of the work.

(e) "Or Equal" means a substitute meeting the exact specification of those items so stated on the drawings, details, and/or the specifications and approved by the Village before bids are submitted.

5.00 CONTRACT DOCUMENTS

5.01 OWNERSHIP OF PLANS AND SPECIFICATIONS:

All plans and specifications and copies thereof furnished by the Village are Village property. They are not to be used on other work and with the exception of one complete set, are to be returned to the Village on request, at the completion of the contract work.

5.02 EXAMINATION OF CONTRACT DOCUMENTS AND THE SITE OF PROPOSED WORK:

The bidder shall, before submitting a bid, carefully examine the contract, including the proposal, specifications, general and special conditions. The bidder shall inspect the site of the proposed work and become familiar with all the local conditions affecting the contract and detailed requirements of Public Improvements/Construction. If the bidder's bid is accepted, the bidder will be responsible for any errors in the proposal resulting from failure or neglect to comply with these instructions. The Village will, in no case, be responsible for any change in anticipated profits resulting from such failure or neglect.

5.03 INTENTION OF CONTRACT DOCUMENTS:

The contract documents are complementary; what is called for by one is as binding as if called for

by all. The contractor shall bring any conflict, errors, or discrepancies in the contract documents to the attention of the Village in writing before proceeding with the work affected thereby.

Any work that may reasonably to be inferred from the specifications or plans as being required to produce the intended result shall be provided by the contractor whether or not it is specifically mentioned or shown.

5.04 BID PROPOSAL SECURITY (PROPOSAL GUARANTEE):

Each proposal shall be accompanied by a bid proposal security (see Section 1.02). A bid proposal security shall be a properly certified check, bank draft, bank cashier's check or bid bond for ten percent (10%) of the amount of the bid as prescribed herein, made payable to the Village. The proposal guarantee will be returned within five (5) business days after the bid opening date to all but the successful bidder, and one alternate bidder to be designated by the Village. The proposal guarantee of the successful bidder and the alternate bidder will be returned as soon as the contract bond, insurance policies and certificates are in proper order, delivered to the Village and the contract has been fully executed by the bidder to whom the contract is awarded.

5.05 BONDING REQUIREMENTS:

(a) Performance and Payment Bond. All bonds must comply with all laws including, but not limited to 820 ILCS 130/4 (c). The Contractor will provide both a Performance and Payment Bond each for 100% of the contract price with a minimum "A" rating as defined in Best's Key Rating Guide and be conditioned on the faithful performance of the requirements of the contract, and will have as surety a corporate surety authorized to act as such in Illinois and that the Contractor will be responsible for all claims for injuries to persons or damages to property or premises arising out of or in connection with his or her operations prior to the acceptance of the finished work or supplies, and that he or she will promptly make payments to all persons supplying them with labor or materials in the prosecution of the work provided for in the Contract; and will guarantee to indemnify and hold harmless the Village and its officers and employees for all costs, damages and expenses arising out of or by reason of the contractor's failure to comply and perform the work and to complete the contract in accordance with the specifications.

(b) Failure on the part of the contractor to obtain and deliver a Surety, Performance, and Payment Bonds, acceptable to the Village, within fifteen (15) calendar days from the date of Notice of Award of contract will be considered just cause for the annulment of the Award and the forfeiture of the bid proposal security to the Village.

5.06 CONFLICTS BETWEEN DIRECTIVES:

Where conflict exists within or between parts of the contract documents and applicable standards, codes or ordinances, the more stringent or higher quality requirements shall apply. Large scale drawings take precedence over smaller scaled drawings, figured dimensions on the drawings over scaled dimensions, and noted materials over graphic representations.

5.06 BID PROPOSAL:

The bidder shall submit a sealed bid proposal on the attached proposal forms. The proposal shall be executed properly and all writing shall be in ink or typewritten, except the signatures of the bidder which shall be written in ink. Prices quoted must be valid for a minimum of sixty (60)

days from the date of the bid opening.

Proposals that contain omissions, erasures, alterations, irregularities of any kind, or not accompanied by the proper proposal guaranty may be rejected. However, the owner reserves the right to reject or accept any and all proposals and to waive technical error as may be deemed in the best interest of the Village.

Late bids shall not be considered and will be returned unopened.

(a) Unit Price Bid:

(1) Bidders will be furnished with a unit price bid proposal form, attached to the project manual, stating the items of work contemplated and the approximate estimated quantities. It is the result of careful calculations and is believed to be correct, but it is given only as a basis for comparison of proposals and the award of the contract. The Village does not expressly or by implication agree that the actual quantities involved will correspond exactly therewith; nor shall the bidder plead misunderstanding or deception because of such estimates or of the character, location, or other conditions pertaining to the work. The contractor shall verify these quantities before bidding.

(2) Payment will be based on the actual quantities of work performed in accordance with the contract, at the contract unit prices specified. No allowance will be made for any change in anticipated profits due to an increase or decrease in the original estimate of quantities. The Village reserves the right to omit any item entirely, or to increase or decrease any or all items.

(3) The project manual states the date, time and place of filing and opening of bid proposals.

(4) The bidder shall submit a bid proposal on the forms attached hereto after he or she has made the examinations required as part of these general conditions.

(b) Lump Sum Bid: Bidders will be furnished with a lump sum bid proposal form, attached to the project manual, for the work to be performed.

6.00 LAWS, PERMITS AND REGULATIONS:

(a) The contractor shall at all times observe and comply with all federal, state and local laws, regulations, and ordinances. Any complaint, claim or action brought against the contractor for failing to observe or comply with any law, ordinance, or regulation shall be the sole responsibility of the contractor and shall in no way extend to or expose the owner to liability. The contractor shall indemnify and hold harmless the Village from any and all such complaints, claims or actions. In addition, the contractor agrees to comply with all applicable statutes regarding prevailing wage laws.

(b) The contractor shall secure the construction permits and all other permits, licenses, and inspections necessary for the proper execution and completion of the work which are customarily secured after execution of the contract. The Village of Arlington Heights will waive all fees for permits required for proposed work. The contractor is responsible for securing and payment of an Arlington Heights Business License and any State Licensing required to complete the proposed work.

(c) It is not the responsibility of the contractor to make certain that the contract documents comply with applicable laws, statutes, building codes and regulations. However, if the contractor observes that any of the contract documents do not comply with applicable laws, shall promptly

notify the Village in writing.

(d) If the contractor performs any work knowing it to be contrary to such laws, ordinances, rules and regulations, and without notice to the Village, the contractor shall assume full responsibility and shall bear all costs attributable thereto.

(e) All work done under the contract shall be done to the satisfaction of the Village who will in all cases determine the amount of work done which is to be paid for under the contract. The Village will decide all questions that may arise regarding the measurements of quantities and the fulfillments of this contract on the part of the contractor, and will determine all questions concerning the true intent or meaning of the plans and specifications and this determination and decision will be final and conclusive.

(f) The contractor and all subcontractors shall be licensed within the Village of Arlington Heights and the State of Illinois where applicable and shall provide indemnity bonds required by the Village Code.

6.01 PREVAILING WAGE:

Pursuant to the requirements of the State of Illinois Department of Labor, there have been established minimum scales of hourly wages to be paid in each classification of labor under this contract. The contractor and each subcontractor shall pay wages equal to or greater than the established minimum scales or hourly wages as determined by the State of Illinois Department of Labor. The wage rate set forth shall in no way be construed to prevent the contractor or subcontractors from paying a higher rate of wages. If any crafts establish a higher minimum wage in the district during the construction, the higher minimum wage established shall be considered as having also been established as the minimum wage scale under this contract. The contractor shall incorporate all applicable minimum wage rates published prior to the date of the bid opening into the contract documents. It shall be the responsibility of the successful contractor to monitor the prevailing wage rates as established with the Department of Labor for any increase in rates during the project and adjust wage rates accordingly. Prevailing wages rates are available via the internet at www.state.il.us/agency/idol. Contractors/subcontractors are responsible for checking on all rate revisions to the prevailing wage rate act for the contract duration.

Pursuant to 820 ILCS 130/5.1, as of September 1, 2020 all contractors are to submit signed certified payroll to the Illinois Department of Labor during those months when construction on a public works project has occurred for each project awarded. The certified payroll must list all information required by law.

6.02 EMPLOYMENT OF ILLINOIS WORKERS DURING PERIODS OF EXCESSIVE UNEMPLOYMENT (Finance 30 ILCS 570/) Employment of Illinois Workers on Public Works Act:

(a) Whenever there is a period of excessive unemployment in Illinois which is defined herein as any month immediately following two (2) consecutive calendar months during which the level of unemployment in the State of Illinois has exceeded five (5%) percent as measured in the United States Bureau of Labor Statistics in its monthly publication of employment and unemployment figures, the contractor shall employ only Illinois laborers. "Illinois laborers" means any person who has resided in Illinois for at least thirty (30) days and intends to become or remain an Illinois resident.

(b) Other laborers may be used when Illinois laborers, as defined herein, are not available, or are incapable of performing the particular type of work involved, if so certified by the contractor and approved by the landscape architect. The contractor may replace no more than three (3) of his regularly employed non-resident executive and technical experts, who do not qualify as Illinois laborers, to do work encompassed by this contract during periods of excessive unemployment.

(c) This provision applies to all labor whether skilled, semi-skilled, whether manual or non-manual.

6.03 EMPLOYMENT PREFERENCE:

The contractor shall comply with "AN ACT to give preference to the veterans of the United States military and naval service in appointments and employment upon public works, by, or for the use of, the State or its political subdivisions, passed by the 59th General Assembly and approved on June 12, 1935, (Chapter 126-1/2, Paragraph 23 of the Illinois Revised Statutes 1965)."

6.04 ILLINOIS HUMAN RIGHTS ACT:

The contractor shall comply with the Illinois Human Rights Act, 775 ILCS 5/1.101, et seq including establishment of sexual harassment policies and program.

6.05 EQUAL EMPLOYMENT OPPORTUNITY:

During the performance of this contract the contractor agrees as follows:

(a) That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex national origin or ancestry and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

(b) That if it hires additional employees in order to perform this contract or any portion hereof it will determine the availability (in accordance with the Fair Employment Practices Commission's Rules and Regulations for Public Contracts) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

(c) That in all solicitations or advertisements for employees placed by it or on its behalf it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, national origin or ancestry.

(d) That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding a notice advising such labor organization or representative of the contractor's obligations under the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts. If any such labor organization or representative fails or refuses to cooperate with the contractor in its efforts to comply with such Act and Rules and Regulations the contractor will promptly so notify the Illinois Fair Employment Practices Commission and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations there under.

(e) That it will submit reports as required by the Illinois Fair Employment Practices Commission's Rules and Regulations for Public contracts. Furnish all relevant information as may from time to time be requested by the Commission or the contracting agency, and in all respects comply with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.

(f) That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Illinois Fair Employment Practices Commission for purposes of investigation to ascertain compliance with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.

(g) That it will include verbatim or by reference the provisions of paragraphs 1 through 7 of this clause in every performance subcontract as defined in Section 2.10(b) of the Commission's Rules and Regulations for Public Contracts. So that such provision will be binding upon every such subcontractor and that it will also include the provisions of paragraphs 1, 5, 6 and 7. In every supply subcontract as defined in Section 2.10 (a) of the Commission's Rules and Regulations for Public Contracts so that such provisions will be binding upon every such subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by all its subcontractors: and further it will promptly notify the contracting agency and the Illinois Fair Employment Practices Commission in the event any subcontractor fails or refuses to comply therewith. In addition no contractor will utilize any subcontractor declared by the Commission to be non-responsible and therefore ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

The Village of Arlington Heights does not discriminate on the basis of handicapped status in admission or access to, or treatment or employment in its programs and activities.

6.06 THE AMERICAN WITH DISABILITIES ACT:

The Americans with Disabilities Act. (42 USC 121-1 et seq.) and its accompanying regulations (28 CFR 35.130) prohibit discrimination against qualified individuals with disabilities by a local government, whether directly or through contractual arrangements, in the provision of any benefit, service, program or activity of the public entity. As a condition of receiving this contract, the contractor certifies by signing the bid proposal form, that any services, programs and activities provided under this contract are now and will continue to be in compliance with the Americans with Disabilities Act.

6.07 SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS PROJECTS ACT, (820 ILCS 265/1 et seq):

All contractors and subcontractors must be in compliance with the Substance Abuse Prevention on Public Works Projects At, 820 IL CS 265/1 et seq. Before beginning work on a public works project, contractors and subcontractors shall have in place a written substance abuse prevention program which meets or exceeds the program requirements in the Act and shall file a copy of the program with the Village which will also be made available to the general public. The required testing must be performed by a laboratory that is certified for Federal Workplace Drug Testing Programs by the Substance Abuse and Mental Health Service Administration of the U.S. Department of Health and Human Services.

7.00 CONTRACTOR

7.01 COMPETENCY OF CONTRACTOR:

The contractor shall, when requested by Village, furnish signed statements evidencing responsibility and showing financial ability, experience, amount and condition of equipment and the value of all uncompleted work under contract pertaining to the proper execution of the specified work.

7.02 SUBCONTRACTORS:

A list of anticipated subcontractors, including their firm names, addresses, and telephone numbers, shall be furnished to the Village. A list of subcontractors shall be included with each bid proposal. All subcontractors to be used shall be approved by the Village. Subcontracting any part of the work to be done under this contract shall not under any circumstance relieve the contractor of responsibility for this contract.

7.03 COOPERATION BETWEEN CONTRACTORS:

(a) If separate contracts are let for work comprising an entire project each contractor shall conduct the work so as not to interfere with or hinder the progress or completion of the work being performed by other contractors. In case of dispute, the Village shall be the arbitrator and the Village's decision shall be final and binding.

(b) Each contractor shall assume all liability, financial or otherwise, in connection with the contract and shall protect and save harmless the Village from any and all damages or claims that may arise because of inconvenience, delay, or loss experienced because of the presence and operations of other contractors working within the limits of the same improvement.

(c) The contractor shall, as far as possible, arrange the work and the placement and disposition of the materials being used, so as not to interfere with the operations of the other contractors within the limits of the same improvement. The contractor shall join his or her work with that of the others in an acceptable manner and shall perform it in proper sequence to that of the others, all as directed by the Village.

7.04 COMMENCEMENT OF WORK/USE OF SITE:

The contractor shall confine all equipment, the storage of materials and the operations of workers to limits indicated by law, ordinances, permits or directions of the Village and shall not reasonably encumber the site with materials. The contractor shall enforce the Village's instructions regarding the conduct and use of the site by employees. The contractor shall commence performance of the work on the date indicated on the notice to proceed which date shall be within ten (10) calendar days of the effective date of the contract. Within ten (10) calendar days of the effective date of the contract, contractor shall submit to the Village for review an estimated progress schedule indicating the starting and completion dates of the various stages of the work.

7.05 SUPERINTENDENT:

(a) The contractor shall employ a competent superintendent and necessary assistants who shall be in attendance at the project site during the progress of the work. The superintendent shall

represent the contractor and all communications given to the superintendent shall be as binding as if given to the contractor. Important communications shall be confirmed in writing. Other communications shall be so confirmed on written request in each case.

(b) The contractor shall supervise and direct the work efficiently using his or her best skill and attention. The contractor shall be solely responsible for the negligence of others in the design or selection of a specific means, method, techniques, sequence or procedure of Public Improvements / Construction which is indicated in and required by the contract documents. Contractor shall be responsible to see that the finished work complies accurately with the contract documents.

7.06 WORKMANSHIP:

The contractor shall be responsible for high quality workmanship on all items of work. Where workmanship of any job or portion thereof is not acceptable, it shall be removed and replaced at the contractor's expense.

7.07 RESPONSIBILITY:

Responsibility for the maintenance of safe equipment and the use of proper construction methods and procedures shall rest solely with the contractor and subcontractors performing the work and the Village shall not have any responsibility therefore. The Village has the right to ascertain and require that the work product of the contractor and subcontractors complies with the contract.

7.08 CONTRACTOR RESPONSIBILITY TO VILLAGE:

The contractor shall notify the Village representative one (1) calendar day in advance of all grading, drainage, paving operations, shade and ornamental tree staking, and other major items of construction for field checking and approvals to proceed. All questions pertaining to the plans, specifications and details of the work shall be directed to the Village representative and cleared prior to construction.

7.09 HOLD HARMLESS AND INDEMNIFICATION:

To the fullest extent permitted by law, the contractor shall assume all liability for, and shall protect, defend, indemnify and hold harmless the Village, it’s officers, employees, servants, and agents, from and against all claims, actions, suits, judgments, costs, losses, expenses, including but not limited to, fees and charges of attorneys, engineers and architects, court and arbitration costs, and liabilities of whatsoever kind or nature arising out of:

(a) Any infringement (actual or claimed) on any patents, copyrights or trade names by reason of any work performed by the contractor under this contract or by reason of anything to be supplied by the contractor pursuant to this contract.

(b) Bodily injury, including death, sickness or disease, to any person or persons (including contractor's officers, employees, agents, and servants) or damage to or destruction of any property including the loss of use thereof:

(1) caused in whole or in part by any act, error or omission by the contractor or any subcontractor or anyone directly or indirectly employed by any of them;

(2) arising directly or indirectly out of the presence of any person in or about any part of the project site or the streets, sidewalks, and property adjacent hereto;

(3) arising directly or indirectly out of the use, misuse or failure of any machinery or equipment used directly or indirectly in the performance of the contract.

(c) In any and all claims against the Village or any of their agents or employees by any employee of the contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone whose acts may be liable, the indemnification obligation under this section shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the contractor or any subcontractor under worker's or workmen's compensation acts, disability benefit acts or other employee benefit acts. This indemnification does not apply to any liability caused by the Village's negligence.

7.10 ABANDOMENT:

Should the contractor abandon or neglect the work or if the Village at any time is convinced that the work is unreasonably delayed, or that the conditions of the Contract are being willfully violated, executed carelessly, or in bad faith, the Village may notify the Contractor in writing, and if this notification is without effect twenty-four (24) hours after delivery, then the contractor shall discontinue all work under the contract and the owner shall have full authority to make arrangements for the completion of the contract at the expense of the contractor.

7.11 CLEAN UP AND SITE MAINTENANCE:

The contractor shall at all times keep the site and adjoining premises free from accumulation of waste material or rubbish caused by its employees or work, and at the completion of the work, shall remove all rubbish, tools, and surplus materials from the site and adjoining premises, leaving the area in a neat and workmanlike condition. In case of dispute, the Village may remove the rubbish and charge the cost to the contractor as the Village shall determine to be just.

8.00 EXISTING CONDITIONS

(a) Existing conditions including surface features, soil boring data and any underground utilities shown on the plans and/or referred to in the specifications are for informational purposes only and shall not be deemed as part of the plans and specifications. It shall be the contractor's obligation to verify and augment such information and data to fully satisfy as to the conditions under which the work will be done. The contractor shall maintain in operating condition all active utilities encountered in this Public Improvements/Construction.

(b) The contractor shall contact all public utilities involved and have their representative locate pipes, conduits, cables or other facilities before Public Improvements/Construction is started. The Village does not assume responsibility for location or disturbance of utilities or other existing features or conditions encountered on this project. Any replacement or relocation costs shall be the contractor's responsibility, unless otherwise specified.

(c) Contractor shall promptly notify owner in writing of any subsurface or latent physical conditions at the site differing materially from those indicated in the contract documents.

9.00 CHANGES/ALTERATIONS OF CONTRACT WORK AND EXTRA WORK

(a) The Village reserves the right to alter the plans through change orders by adding or deducting from the original quantities as bid without invalidating the contract. All such work shall be

executed under the same conditions as the original contract, except for an extension in time when any such change/alteration results in additional work.

(b) All changes shall be made only when ordered in writing from the owner as follows:

(1) Approval to increase the contract price by not more than $20,000.00 may be exercised by written change order of the Village Manager.

(2) Approval to increase the contract price in all other instances or to extend the contract completion time may only be exercised by written change order signed by the Village President and authorized by a due and proper vote of the Village Board of Trustees.

(c) The value of any change shall be determined by one or more of the following methods:
(1) By an approved lump sum.
(2) By unit prices given in the contract or subsequently agreed upon.
(3) Time and material plus percentage. This method of cost shall be based on the contractor's actual costs for time and material plus an agreed percentage for the contractor's overhead and profit not to exceed 20%. Contractor's actual costs shall be the direct costs for labor, payroll, insurance, payroll taxes, materials, and use of equipment based upon the current "nationally averaged rental rates of construction equipment" as published by the ASSOCIATED EQUIPMENT DISTRIBUTORS.

10.00 PROTECTION OF PERSONS AND PROPERTY

10.01 SAFETY PRECAUTIONS AND PROGRAMS:

The contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the work.

10.02 SAFETY OF PERSONS AND PROPERTY:

(a) The contractor shall take all reasonable precautions for the safety of, and shall provide all reasonable protection to prevent damage, injury or loss to:
(1) all employees on the site and all other persons who may be affected thereby;
(2) all the work and all materials and equipment, whether in storage on or off site, under the care, custody, or control of the contractor or any of the subcontractors; and
(3) other property at the site or adjacent to the site, including trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation, or replacement in the course of Public Improvements/Construction.

(b) The contractor shall give all notices and comply with all applicable laws, ordinances, rules and regulation and lawful orders of any public authority bearing on the safety of persons or property or their protection from damage, injury or loss.

(c) The contractor shall erect and maintain, as required by existing conditions and progress of the work, all reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations and notifying owners and users of adjacent utilities.

(d) The contractor shall use proper warning guards and safety devices in the construction area and particularly with respect to open trenches and the storage of construction materials.

(e) No trees, fire hydrants, utility poles, shrubs or hedges, traffic signs, or other public structure shall

be removed, replaced, damaged or destroyed unless the Village has given approval in writing.

(f) The contractor shall conduct construction activities so as not to interfere with, break, cut or otherwise damage any public curb, or public road, pavement or any utility services located alongside of or under or within any public road or public right-of-way area, without a letter of approval from the Village.

(g) Notwithstanding the foregoing requirements, the contractor shall be responsible for taking immediate steps to correct any damage or injury to public structures, utility services, roadways or public buildings as well as any damage or injury to private property as a result of the contractor's activities.

(h) The contractor shall keep a daily record with respect to all injuries, incidents or damage occurring in, on or near the construction site as a result of the construction activities. The contractor shall give this information to the Village within twenty-four (24) hours after the day of occurrence.

(i) The contractor shall keep first aid supplies on the site.

11.00 INSURANCE REQUIREMENTS:

(a) The Contractor shall not commence work until the Contractor has obtained all insurance required in these documents. The Contractor shall purchase and maintain, throughout the duration of the contract, insurance as is appropriate for the work being performed and furnished and shall provide protection from claims which may arise out of or result from the Contractor's performance and furnishing of the work and Contractor's other obligations under the contract documents, whether it is to be performed or furnished by the Contractor, by any Subcontractor, by anyone directly or indirectly employed by them or by anyone for whose acts any of them may be liable.

(b) Insurance required by this Section shall be written with a company having at least an "A" Property-Casualty Rating, and financial size of at least Class 7 as listed in the most recent published A. M. Best's Insurance Guide.

(c) The Village shall be named as additional insured on all policies required by the contract except for Workmen's Compensation insurance. The coverage afforded shall be primary and non-contributory for the additional insured with respect to claims arising out of operations performed by or on behalf on the Contractor. Additional insured: Village Of Arlington Heights, its Officials, Employees, Agents and Volunteers. If the additional insured has other insurance which is applicable to the loss, such as other insurance shall be on an excess or contingent basis. The amount of the Contractor's insurance company's liability under this insurance policy shall not be reduced by the existence of such other insurance. Additional insured status shall be provided by original endorsement as least as broad as CG 20 10 04 13 or CG 20 26 04 13.

(d) As a minimum, the contractor shall secure and maintain the types of insurance as specified, and shall submit evidence to the Village on an annual basis that the insurance coverage's are in force. The form and limits of such insurance, together with the underwriter thereof in each case, shall be acceptable to the Village, but regardless of such acceptance it shall be the responsibility of the Contractor to main adequate insurance coverage until final payment and at all times thereafter when the Contractor may be correcting, removing, or replacing defective work in accordance with the General Conditions and Instruction to Bidders. Failure of the Contractor to

maintain adequate coverage shall not relieve him of any contractual responsibility or obligation.

(e) The Contractor shall forward original copies of the Certificates of Insurance with the coverage's and limits specified annually during the contract period to the Purchasing Division, Finance Department, 33 S. Arlington Heights Road, Arlington Heights, IL 60005.

(f) Insurance Certificates and Policies delivered to the Village shall recite that 30 days prior written notice will be given to the Village by certified mail before any policy is materially changed, canceled, or not renewed.

11.01 WORKER'S COMPENSATION AND EMPLOYERS LIABILITY:

The insurance shall protect the Contractor against all claims under applicable State or Federal Worker's Compensation Laws. The Contractor shall also be protected against claims for injury, disease or death of employees which for any reason may not fall within the provisions of the Worker's Compensation Law. The policy shall include "broad form all states" endorsement coverage extended to cover all states except the monopolistic fund states.

The liability limits shall not be less than:

1. Worker's Compensation……Statutory
2. Employer's Liability…….…….$1,000,000 per occurrence

11.02 BUSINESS AUTO LIABILITY:

The insurance shall be written in automobile liability form and shall protect the Contractor against all claims for injuries to persons and damages to property arising from the ownership, maintenance or use of any motor vehicles and shall cover operation on or off the site of all motor vehicles, whether they are owned, non-owned or hired.

The liability limits shall not be less than:

1. Bodily Injury and Property Damage Combined…….$1,000,000 per occurrence

11.03 COMMERCIAL GENERAL LIABILITY, INCLUDING PREMISES AND OPERATIONS, CONTRACTUAL, PERSONAL INJURY, PRODUCT LIABILITY, COMPLETED OPERATIONS, AND BROAD FORM PROPERTY COVERAGES:

(a) This insurance shall be written in Commercial General Liability form and shall protect the Contractor against all claims arising from injuries to persons or damages to property caused by any act or omission of the Contractor or his agents, employees or Subcontractors. The Contractors General Aggregate shall apply on a per Project basis. The Broad Form General Liability Endorsement shall be included.

(b) In addition, this policy shall contain a Contractual Liability Endorsement covering any Contractual Liability assumed in the Contract and all changes and modifications thereto, whether in writing or oral.

(c) The scope of the coverage shall also include the Personal Injury Hazards including "a", "b", and "c". "a" includes false arrest, malicious prosecution, and unwillful detention or imprisonment. "b" includes libel, slander, and defamation of character. "c" includes wrongful eviction, invasion of privacy, and wrongful entry. Fellow Employee exclusion shall be removed.

(d) The Policy shall also include Broad Form Property Damage Protection.

(e) The Contractor shall include all the Contractor's employees as additional insured's under the policy.

(f) Commercial General Liability Coverage shall contain no exclusions for explosion, collapse or underground work (X, C, U).

(g) The liability limits shall not be less than:

1. Bodily Injury and Property Damage, Combined single limit, per occurrence including, Contractual Liability – Broad Form Products and Completed Operations……...$2,000,000

2. Premises/Operations Personal Injury…….$1,000,000

3. General Aggregate……$4,000,000

Products/Completed Operations coverage is to remain in force for a period of two (2) years after the completion of the project.

11.04 UMBRELLA EXCESS LIABILITY:

Special coverage shall be as follows……$2,000,000 over primary insurance

The required coverages may be in combination of primary, excess and umbrella policies. Any excess or umbrella policy must provide excess coverage over underlying insurance on a following-form basis such that when any loss covered by the primary policy excess the limits under the primary policy, the excess or umbrella policy becomes effective to cover such loss.

Policy should be written on an occurrence basis.

All underlying coverage needs to be included in the Umbrella or Excess Liability policy. Any exclusions or exceptions must be noted on the certificate of insurance.

11.05 BUILDER'S RISK INSURANCE:

(a) Builder's Risk insurance shall insure against "All Risk" of physical damage, including earthquake and water damage (flood and hydrostatic pressure not excluded), on a Completed Value Basis. The insurance shall include the interests of the Village, Contractor, and Subcontractors in the Work and will be provided by the Contractor. This policy shall be written

or endorsed to allow the Village to occupy or use a portion or portions of the Work prior to completion of all the Work.

(b) If not covered under the "All Risk" insurance or otherwise provided in the bid documents, the Contractor shall effect and maintain similar property insurance on portions of the Work stored on or off site or in transit, when such portions of the Work are to be included in an Application for Payment.

11.06 OWNERS PROTECTIVE LIABILITY INSURANCE:

Owners Protective Liability Policy shall be a stand-alone policy or an endorsement to the liability policy that covers claims for negligence by a contractor or a subcontractor hired by the insured. The policy limit shall be not less than $1,000,000 per occurrence and the named insured on the policy shall be the Village of Arlington Heights.

12.00 PAYMENTS AND COMPLETION

12.01 PROGRESS PAYMENTS:

The contractor may request progress payments, based on estimates of work on the first of each month. The estimate shall be a sworn statement (similar to Practical Business Form #589 by Frank R. Walker Co., Chicago) of the work completed to date. The form of the estimate for progress payment requests shall be as follows:

(a) Unit Price: When the contract work has been awarded on a unit price bid basis, the forms of each estimate shall follow the bid proposal form, listing each item number, the total quantity of units completed to date, the unit price and subtotal. The sub-total column shall be added to show the total cost of work completed to date, less ten (10) percent to be withheld giving the total amount requested for payment. Previous requests for payment paid by the Village shall be shown on each subsequent request and subtracted after the ten (10) percent has been withheld.

(b) Lump Sum: When the contract work has been awarded on lump sum bid basis, the form of each estimate will include the contractor's breakdown of job items with a total value given to each item. The estimate for the items of work completed to date shall be expressed as a percent of the total with the corresponding cost of work, the work completed to date, less ten (10) percent to be withheld, giving the amount requested for payment. Previous requests for payment paid by the Village shall be shown on each subsequent request and subtracted after the ten (10) percent has been withheld.

12.02 PAYMENTS WITHHELD:

The Village may refuse payment or, because of subsequently discovered evidence or subsequent observations, may nullify the whole or any part of any payment, to such extent as may be necessary to protect the Village from loss because of:

(a) defective work not remedied.

(b) third party claims filed or reasonable evidence indicating probable filing of such claims.

(c) failure of the contractor to make payments properly to subcontractors for labor, materials, or equipment.

(d) reasonable evidence that the work cannot be completed for the unpaid balance of the contract sum.

(e) damage to the Village or another contractor.

(f) reasonable evidence that the work cannot be completed within the contract time, for failure to realize that "time is of the essence".

(g) persistent failure to carry out the work in accordance with the contract documents.

12.03 WAIVER OF LIEN:

The contractor shall promptly pay each subcontractor the amount entitled. The contractor shall by an appropriate agreement with each subcontractor also require each subcontractor to make payments promptly to subcontractors. Partial waivers of lien shall accompany each payment request to cover the full amount of the previous payment request except for the final payment which shall contain final waivers of lien from the contractor and all subcontractors. The contractor shall get from every subcontractor and supplier of materials or labor a partial waiver of lien to release the Village of any claim for a lien, which they or any of them may have under the Illinois Lien Laws and Public Construction Bond Act. Any payments made by the Village without requiring strict compliance of the terms of this paragraph shall not be construed as a waiver by the Village of the right to insist upon strict compliance of the terms of this paragraph as a condition of later payments. The contractor shall indemnify and hold the Village harmless from all claims of subcontractors, laborers, workmen, mechanics, materialmen and furnishers or material and parts thereof, equipment, tools and all supplies incurred in the furtherance of the performance of the work. Failure to supply waivers of lien or acceptable evidence of payment of all current accounts incurred by this contract work shall be grounds for withholding payment.

12.04 PAYMENTS BY THE OWNER:

Thirty (30) days after issuance and delivery of a request for payment to the Village, the Village will approve or disapprove the request. The amount approved will become due and will be paid by the Village to the Contractor within thirty (30) days after the date of approval.

12.05 TAXES:

No charges will be allowed for taxes from which the Village is exempt. The Village is not liable for the Illinois Retailer's Occupation Tax, the Service Occupation Tax nor the Service Use Tax. The Village is also exempt from Federal Excise Transportation Tax.

12.06 FINAL PAYMENT:

(a) Upon written notice by the contractor that the work is completed and ready for final inspection and acceptance, the Village will make the required inspection and determine final completion. Any remedies to the work shall be noted and submitted in writing by the Village to the contractor. After making any required remedies, the contractor will submit a request for final

payment.

(b) As a condition of final payment, the contractor shall submit affidavits and final waivers of lien from itself and each subcontractor indicating that all bills for payrolls, materials, equipment or other indebtedness have been satisfied.

(c) The final payment, as well as the completed work, will be reviewed by the Village for final approval and release of retention.

12.07 CORRECTION OF WORK AFTER FINAL PAYMENT:

The final payment or any provision in the contract documents shall not relieve the contractor of the responsibility for the correction of any and all defects in the work performed. The contractor warrants and guarantees to the Village that all work will be in accordance with the contract documents and will be free from defects in materials and workmanship for a period of one (1) year after the date of final payment.

13.00 LIQUIDATED DAMAGES

13.01 LIQUIDATED DAMAGES:

Time is of the essence of this contract. Liquidated damages will be assessed against the contractor for failure to complete the work within the time(s) specified in these contract documents. If the contractor fails to complete the work in whole or in part in the time stipulated in the contract or within such extra time as may have been allowed for unavoidable delays or extensions granted for changes in the work, the contractor shall reimburse the Village for the additional expense and damage in the amount of $500.00 for each calendar day, Sundays and legal holidays included. It is expressly understood and agreed that this amount is not to be considered in the nature of a penalty but as liquidated damages which have accrued against the contractor. The Village shall have the right to deduct such damages from any amount due or that may become due to the contractor or the amount of such damages shall be due and collectible from the contractor or his contractors.

13.02 SUSPENSION OF THE WORK:

The Village may at any time without cause suspend the work or any portion thereof for a period of not more than ninety (90) days by notice in writing to the contractor. The contractor shall resume the work on the date fixed in the notice. The contractor may be allowed an increase in the contract price or an extension of the contract time or both directly attributable to any suspension if the contractor makes a claim as provided in Section 9.00. The Village may also suspend the work for cause upon the occurrence of any one or more of the following events:

(a) If the contractor fails to supply a qualified superintendent, sufficient skilled workers, subcontractors or suitable materials or equipment.

(b) If the contractor repeatedly fails to make prompt payments to subcontractors or for labor, materials or equipment.

(c) If the contractor disregards laws and regulations of any public body having jurisdiction of the work.

No additional compensation will be paid to the contractor nor shall the contract completion time be extended if the Village suspends work for cause. If it becomes necessary to suspend the work for an indefinite period of time, the contractor shall store all materials in a manner that will not obstruct or impede the traveling public unnecessarily or damaged the material in any way. The contractor will prevent damage or deterioration of the work performed, provide suitable drainage of the roadway and erect temporary structures where necessary. The contractor shall not suspend work without authority from the Village

13.03 TERMINATION OF THE CONTRACT:

The Village may terminate the contract if any of the following events occur:

(a) The contractor commences a voluntary case under any chapter of the Bankruptcy Code or the contractor takes any equivalent or similar action by filing a petition or otherwise under any federal or state law in effect at such time relating to bankruptcy or insolvency.

(b) If a petition is filed against the contractor under any chapter of the Bankruptcy Code or if a petition is filed seeking any such equivalent or similar relief against the contractor under any other federal or state law in effect at the time relating to bankruptcy or insolvency.

(c) If the contractor makes a general assignment for the benefit of creditors.

(d) If a trustee, receiver, custodian or agent of the contractor is appointed to enforce a lien against the contractor’s property or for the purpose of general administration of the property for the benefit of the contractor's creditors.

(e) If the contractor admits in writing an inability to pay its debts generally as they become due.

(f) If the contractor persistently fails to perform the work in accordance with the contract documents, including, but not limited, to failure to supply sufficient skilled workers or suitable materials or equipment or failure to adhere to the progress schedule established herein.

(g) If the contractor disregards laws and regulations of any public body having jurisdiction over the work.

(h) If the contractor disregards the authority of the Village.

(i) If the contractor otherwise violates in any substantial way any provisions of the contract documents.

The Village may, after giving contractor and its sureties seven (7) calendar days written notice and to the extent permitted by laws and regulations, terminate the services of the contractor, exclude the contractor from the site and take possession of the work and all the contractor's tools, appliances, construction equipment and machinery at the site and use the same to the full extent

as they could be used by the contractor without liability to the contractor for trespass or conversion.

The contractor shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the contract amount exceeds the direct, indirect and consequential cost of completing the work, including but not limited to fees and charges of engineers, architect, attorneys and other professionals, the excess shall be paid to the contractor. If such costs exceed the unpaid balance, the contractor shall pay the difference to the owner. When exercising any rights or remedies under this paragraph, Village shall not be required to obtain the lowest figure for the work performed. If the Village terminates the contractor's services the termination will not affect the Village's right or remedies against the contractor. Any retention or payment due contractor by Village will not release the contractor from liability.

(i) Upon seven (7) calendar days written notice to the contractor, the Village may, without cause and without prejudice to any other right or remedy elect to abandon the work and terminate the agreement. In such case, the contractor shall be paid for all work executed and all expense sustained plus reasonable termination expenses.

VILLAGE OF ARLINGTON HEIGHTS
AFFIDAVIT OF COMPLIANCE

Applicant _____
Name

_____
Address

As a condition of entering into a contract with the Village of Arlington Heights, and under oath and penalty of perjury and possible termination of contract right and debarment, the undersigned, _____, being first duly sworn on oath, deposes and states that he or she is _____ (sole owner, partner, joint ventured, President, Secretary, etc..) of _____ and has the authority to
(Name of Company)
make all certifications required by this affidavit.

Section I

Non Collusion

The undersigned certifies that this bid is genuine and not collusive or sham, that said bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any bidder or person, to put in a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference with any person, to fix the bid price element of this bid, or of that of any other bidder, or to secure any advantage against any other bidder or any person interested in the proposed contract.

Section II

Bid Rigging and Rotating

The undersigned hereby certifies that it is not barred from bidding or contracting as a result of a conviction for violations of state laws prohibiting bid rigging or bid rotating or any similar offense of any state of the United States.

Section III

Illinois Drug Free Workplace Act

The undersigned further states that _____ provides a
(Name of Company)
drug free workplace pursuant to Illinois Statues, 30 ILCS 580/1, et seq and provides compliance with necessary requirements.

Section IV

Tax Payment

The undersigned further states that _____ is not
(Name of Company)
delinquent in payment of any taxes to the Illinois Department of Revenue, in accordance with Illinois Compiled Statues, 65 ILCS 5/11-42.1. The undersigned understands that making a false statement regarding delinquency in taxes is a Class A Misdemeanor and, in addition voids the contract and allows the municipality to recover all amounts paid to the individual or entity under the contract in civil action.

It is expressly understood the foregoing statements and representations and promises are made as a condition to the right of the bidder to receive payment under any award made under the terms and provisions of this bid.

The undersigned certifies that all the information contained in the Affidavit is true and correct.

Signed by: _____
(Name)
(Title)

Subscribed and sworn to before me this _____day of _____ 20___, AD.

By: _____
(Notary Public)

-Seal-

VILLAGE OF ARLINGTON HEIGHTS
INDEMNITY HOLD HARMLESS AGREEMENT

To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify and hold harmless the Village of Arlington Heights, its Board of Trustees, officers, agents and employees from any and all liability, losses or damages the Village may suffer as a result of claims, demands, suits, actions or proceedings of any kind or nature in any way resulting from or arising out of any action on the part of the Contractor or any Subcontractor. The Contractor shall, at its own expense; appear, defend and pay all charges of attorneys and all costs and other expenses arising therefore or incurred in connections therewith, and, if any judgment shall be rendered against the Village of Arlington Heights, its Board of Trustees, officers, agents and employees, in any such action, the contractor shall, at its own expense, satisfy and discharge the same. This indemnification does not apply to liability caused by the Village's own negligence.

The Contractor expressly understands and agrees that any insurance policies required by this contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the Village of Arlington Heights, its Board of Trustees, officers, agents and employees as herein provided.

CONTRACTOR:_____

By: _____

VENDOR QUESTIONNAIRE

Company Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ E-Mail: _____

Commodity: _____ Years in Business: _____

DBE (Disadvantaged Business Enterprise) Classification: Please indicate your DBE classification below, and provide any agency certifications you have received.

- ☐ MBE (Minority-Owned Business Enterprise): A business that is at least 51 percent owned by one or more minorities. A person who is a U.S. citizen or lawful permanent resident and is African American, Hispanic American, Asian American, Native American, as well as other groups found to be disadvantaged pursuant to Section 8 (a) of the Small Business Act.
- ☐ WBE (Women-Owned Business Enterprise): A business that is at least 51 percent owned by a woman or women who are United States Citizens or lawful permanent residents of the United States.
- ☐ DOBE (Disability-Owned Business Enterprise): A business that is at least 51 percent owned by a person or group of persons with a disability, as recognized by the Americans with Disabilities Act.
- ☐ VOSB (Veteran-Owned Small Business): A business that meets the qualifications to be a small business according to the SBA, and is at least 51 percent owned, operated and controlled by a veteran.
- ☐ Not Applicable

Certifications:
Agency/Institution:_____

Phone: _____ Approval Date: _____

I hereby certify that the information supplied in this form is complete and correct to the best of my knowledge and belief. I authorize The Village of Arlington Heights to verify any of this information as needed.

Signature: _____ Title: _____

Name: _____ Date: _____

Name of Bidder_____

SECTION 00 41 00 - BID FORMS

30.1 INSTRUCTIONS

Submit Bids on this Bid Form in accordance with Instructions to Bidders.

30.2 BID FORM

PART 1 - TERMS OF BID

PROJECT IDENTIFICATION:

CONTRACT IDENTIFICATION AND NUMBER:

THIS BID IS SUBMITTED TO:

A. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER in form included in Contract Documents to complete all Work as specified or indicated in Contract Documents for Contract Price and within Contract Time indicated in this Bid and in accordance with Contract Documents.

B. BIDDER accepts all of terms and conditions of Instructions to Bidders, including without limitation those dealing with disposition of Bid Security. BIDDER will sign Agreement and submit Contract Security and other documents required by Contract Documents within 15 days after date of OWNER's Notice of Award. This Bid will remain open for 60 days after day of Bid opening.

C. In submitting this Bid, BIDDER represents, as more fully set forth in Agreement, that:

1. BIDDER has examined copies of all Contract Documents and of following addenda:

Date	Number
_____	_____
_____	_____

(receipt of all of which is hereby acknowledged) and also copies of Advertisement or Invitation to Bid or Instructions to Bidders.

2. BIDDER has examined site and locality where Work is to be performed, legal requirements (federal, state and local laws, ordinances, rules and regulations) and conditions affecting cost, progress or performance of Work and has made such independent investigations as BIDDER deems necessary.

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Name of Bidder_____

3. This Bid is genuine and not made in interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly induced or solicited any other Bidder to submit false or sham Bid; BIDDER has not solicited or induced any person, firm or corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER; and
4. BIDDER agrees that Work Item quantities are estimates and that OWNER may increase or decrease these quantities at unit prices stated, so long as increases or decreases in Base Bid do not exceed 25% of Base Bid price. Increases or decreases beyond these limits shall be in accordance with Supplementary Conditions, Division 00.
5. BIDDER agrees that all alterations or additions to Work shall be performed in accordance with paragraph “Changes” and/or “Construction Change Directives” under Section "Supplementary Conditions."
6. OWNER reserves right to delete any Section of Work.

D. BIDDER agrees that Work shall be substantially completed and fully completed on or before dates or within number of calendar days indicated in Agreement.

shall be substantially completed on or before
November 30 , 20 25

and fully completed by
December 15 , 20 25

BIDDER accepts provisions of Agreement as to liquidated damages in event of failure to complete Work on time.

E. BIDDER will complete Work for the prices shown in Section "List of Unit Prices."

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Name of Bidder_____

F. Communications concerning this Bid shall be addressed to: (BIDDER to provide bidder's name, address, telephone number and name of individual familiar with this Bid and able and authorized to answer questions regarding this Bid.)

_____

_____

_____

G. Terms used in this Bid which are defined in General Conditions of Construction Contract included as part of Contract Documents have meanings assigned to them in General Conditions.

SUBMITTED ON _____ , 20 25

PART 2 - ATTACHMENTS

Following documents are attached to and made condition of this Bid, unless noted otherwise:

A. Required Bid Security in form of:

B. Substitution listing per the requirements of the Instructions to Bidders within 7 days after the day of the Bid opening.

C. Equipment Suppliers' Listing.

D. List of alternates/alternatives.

E. List of Unit Prices.

F. Non-Collusion Affidavit.

G. A list of Subcontractors and other persons and organizations required to be identified, if so requested, per the requirements of the Instructions to Bidders within 7 days after the day of the Bid opening.

H. Required Bidders Qualification Statement for Structural Restoration Work with supporting data per requirements of Instructions to Bidders within 7 days after day of Bid opening. Use form attached to Section "Instructions to Bidders." Copies of previously prepared statements on this form which are less than 12 months old will be acceptable.

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Name of Bidder_____

PART 3 - SIGNATURES

If BIDDER is:

An Individual

By _____(SEAL)
(Individual's Name)

doing business as _____

Business Address: _____

_____

_____

Phone Number: _____

A Partnership

By _____(SEAL)
(Firm Name)

_____
(General Partner)

_____
(General Partner)

Business Address: _____

_____

_____

Phone Number: _____

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Name of Bidder_____

A Corporation

By _____
(Corporation Name)

_____
(State of Incorporation)

By _____
(Name of Person Authorized to Sign)

_____
(Title)

(Corporate Seal)

Attest _____
(Secretary)

Business Address: _____

_____

_____

Phone Number: _____

A Joint Venture

By _____
(Name)

_____
(Address)

By _____
(Name)

_____
(Address)

Each joint venture member must sign. The manner of signing for each individual partnership and corporation that is party to joint venture should be in manner indicated above.

END OF SECTION 00 41 00

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SECTION 00 43 10 – PROCUREMENT FORM SUPPLEMENTS

1.1 LIST OF PRICES

State Unit Prices on the following forms.

TIF #1 PARKING STRUCTURE

WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
1.0	**GENERAL REQUIREMENTS**				
1.1 1.2 1.3 1.4 1.5	General Requirements Concrete Formwork Concrete Shores and Reshores Concrete Reinforcement Temporary Signage	L.S.	1		
2.0	**CONCRETE FLOOR REPAIR**				
2.1	Pressure Wash SOG	L.S.	1		
3.0	**CONCRETE FLOOR REPAIR**				
3.1	Floor Repair – Precast	S.F.	280		
3.3	Floor Repair – Full Depth	S.F.	10		
3.9	Floor Repair – Lifting Loop	EA.	15		
3.10	Stair Nosing Repair	S.F.	15		
3.11	Slab-On-Grade Repair	S.F.	25		
3.12	Slab-On-Grade Repair	S.F.	550		
4.0	**CONCRETE CEILING REPAIR**				
4.1	Ceiling Repair	S.F.	40		
6.0	**CONCRETE COLUMN REPAIR**				
6.1	Column Repair	S.F.	50		
7.0	**CONCRETE WALL REPAIR**				
7.1	Wall Repair	S.F.	25		
7.5	Grout Bed	L.F.	220		

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WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
8.0	**PRECAST TEE BEAM REPAIR**				
8.1	Tee Stem Repair	S.F.	40		
8.4	Tee Flange Repair	S.F.	100		
11.0	**CRACK AND JOINT REPAIR**				
11.1	Seal Random Floor Cracks	L.F.	1,450		
11.2	Construction Joint Sealant	L.F.	200		
11.3	Vertical Joint Sealant	L.F.	500		
11.4	Tee-to-Tee Joint Sealant	L.F.	2,000		
11.7	Cove Sealant	L.F.	320		
11.8	Horizontal Joint Sealant	L.F.	80		
11.9	Reseal Floor Cracks	L.F.	30		
11.10	Window Glazing Cap Seal	L.F.	50		
15.0	**PROTECTIVE SEALER**				
15.1	Silane Sealer	S.F.	289,000		
16.0	**TRAFFIC TOPPING**				
16.1	Traffic Topping - Vehicular	S.F.	50		
25.0	**MECHANICAL - DRAINAGE**				
25.1	Replace Floor Drain	EA.	2		
37.0	**DOOR, FRAMES AND HARDWARE**				
37.2	Replace Door and Frame	EA.	1		
40.0	**CONNECTIONS/BEARINGS**				
40.2	Shear Connector Replacement	EA.	40		
40.3	Reweld Connections	EA.	5		
43.0	**Miscellaneous Metals**				
43.2	Replace Wall Opening Grates	EA.	16		

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WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
43.3	Replace Handrail	EA.	1		
45.0	**PAINTING**				
45.1	Paint Traffic Markings	LVL.	6		
45.6	Clean and Paint Connections	EA.	34		
45.7	Clean and Paint Angle	EA.	3		
45.9	Clean and Paint Handrails	EA.	9		
45.10	Clean and Paint Window Frame	L.S.	2		
80.0	**BRICK/CONCRETE MASONRY UNIT FACADE**				
80.3	Replace CMU	EA.	2		
	TIF #1 PARKING STRUCTURE - BID TOTAL				**$_____**

Description of Abbreviations:

L.F. = Lineal Feet
EA = Each
S.F. = Square Feet
L.S. = Lump Sum
LVL. = Level

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TIF #2 PARKING STRUCTURE

WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
1.0	**GENERAL REQUIREMENTS**				
1.1 1.2 1.3 1.4 1.5	General Requirements Concrete Formwork Concrete Shores and Reshores Concrete Reinforcement Temporary Signage	L.S.	1		
2.0	**CONCRETE FLOOR REPAIR**				
2.1	Pressure Wash SOG	L.S.	1		
3.0	**CONCRETE FLOOR REPAIR**				
3.1	Floor Repair - Precast	S.F.	285		
3.4	Floor Repair – Curb	EA.	5		
3.10	Stair Nosing Repair	S.F.	10		
4.0	**CONCRETE CEILING REPAIR**				
4.1	Ceiling Repair	S.F.	15		
5.0	**CONCRETE BEAM REPAIR**				
5.1	Beam Repair - Precast	S.F.	5		
6.0	**CONCRETE COLUMN REPAIR**				
6.1	Column Repair	S.F.	10		
6.6	Haunch Repair	S.F.	5		
7.0	**CONCRETE WALL REPAIR**				
7.1	Wall Repair	S.F.	5		
8.0	**PRECAST TEE BEAM REPAIR**				
8.1	Tee Stem Repair	S.F.	5		
8.4	Tee Flange Repair	S.F.	15		
8.7	Tee Flange Strengthening	EA.	12		
11.0	**CRACK AND JOINT REPAIR**				

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WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
11.1	Seal Random Floor Cracks	L.F.	1,100		
11.2	Construction Joint Sealant	L.F.	55		
11.4	Tee-to-Tee Joint Sealant	L.F.	855		
11.7	Cove Sealant	L.F.	50		
15.0	**PROTECTIVE SEALER**				
15.1	Silane Sealer	S.F.	193,100		
16.0	**TRAFFIC TOPPING**				
16.1	Traffic Topping - Vehicular	S.F.	85		
25.0	**MECHANICAL - DRAINAGE**				
25.1	Replace Floor Drain	EA.	2		
25.3	Replace Drainpipe	L.F.	10		
25.6	Rehang Pipe	EA.	1		
30.0	**ELECTRICAL - LIGHTING**				
30.7	Reattach Light Fixture	EA.	2		
37.0	**DOOR, FRAMES AND HARDWARE**				
37.2	Replace Door and Frame	EA.	21		
40.0	**CONNECTIONS/BEARINGS**				
40.2	Shear Connector Replacement	EA.	20		
43.0	**MISCELLANEOUS METALS**				
43.1	Barrier Cable Replacement	L.F.	1,010		
43.4	Remove and Replace Bollard	EA.	10		
45.0	**PAINTING**				
45.1	Paint Traffic Markings	LVL.	5		
45.7	Clean and Paint Angle	EA.	1		
45.8	Clean and Paint Steel Stair Stringers and Risers	EA.	1		

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WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
48.0	**STAIR COVERS**				
48.1	Replace Stair Tread Covers	EA.	216		
	TIF #2 PARKING STRUCTURE - BID TOTAL				**$_____**

Description of Abbreviations:

L.F. = Lineal Feet
EA = Each
S.F. = Square Feet
L.S. = Lump Sum
LVL. = Level

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MUNICIPAL PARKING STRUCTURE

WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
1.0	**GENERAL REQUIREMENTS**				
1.1 1.2 1.3 1.4 1.5	General Requirements Concrete Formwork Concrete Shores and Reshores Concrete Reinforcement Temporary Signage	L.S.	1		
3.0	**CONCRETE FLOOR REPAIR**				
3.1	Floor Repair – Cast-in-Place	S.F.	105		
3.10	Stair Nosing Repair	S.F.	5		
4.0	**CONCRETE CEILING REPAIR**				
4.1	Ceiling Repair	S.F.	160		
5.0	**CONCRETE BEAM REPAIR**				
5.1	Beam Repair – Cast-in-Place	S.F.	5		
6.0	**CONCRETE COLUMN REPAIR**				
6.1	Column Repair	S.F.	25		
7.0	**CONCRETE WALL REPAIR**				
7.1	Wall Repair	S.F.	10		
10.0	**EXPANSION JOINT REPAIR AND REPLACEMENT**				
10.1	Expansion Joint – Header Repair	L.F.	20		
10.5	Expansion Joint – Compression Foam Seal	L.F.	80		
11.0	**CRACK AND JOINT REPAIR**				
11.2	Construction Joint Sealant	L.F.	370		
11.3	Vertical Joint Sealant	L.F.	10		
11.5	Epoxy Inject Cracks	L.F.	10		
11.7	Cove Sealant	L.F.	520		
11.8	Horizontal Joint Sealant	L.F.	150		

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WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
16.0	**TRAFFIC TOPPING**				
16.1	Traffic Topping - Vehicular	S.F.	1,000		
37.0	**DOOR, FRAMES AND HARDWARE**				
37.2	Replace Door and Frame	EA.	3		
45.0	**PAINTING**				
45.5	Clean and Paint Door	EA.	1		
76.0	**CRACK REPAIR AND TUCKPOINTING**				
76.3	Tuckpointing	L.F.	10		
80.0	**BRICK/CONCRETE MASONRY UNIT FACADE**				
80.1	Remove and Replace Face Brick	S.F.	10		
	MUNICIPAL PARKING STRUCTURE - BID TOTAL				**$_____**

Description of Abbreviations:

L.F. = Lineal Feet
EA = Each
S.F. = Square Feet
L.S. = Lump Sum
LVL. = Level

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EVERGREEN PARKING STRUCTURE

WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
1.0	**GENERAL REQUIREMENTS**				
1.1 1.2 1.3 1.4 1.5	General Requirements Concrete Formwork Concrete Shores and Reshores Concrete Reinforcement Temporary Signage	L.S.	1		
3.0	**CONCRETE FLOOR REPAIR**				
3.11	Slab-On-Grade Repair	S.F.	35		
4.0	**CONCRETE CEILING REPAIR**				
4.1	Ceiling Repair	S.F.	155		
5.0	**CONCRETE BEAM REPAIR**				
5.1	Beam Repair – Cast-in-Place	S.F.	10		
7.0	**CONCRETE WALL REPAIR**				
7.1	Wall Repair	S.F.	10		
25.0	**MECHANICAL - DRAINAGE**				
25.2	Replace Drain Grate	EA.	1		
37.0	**DOOR, FRAMES AND HARDWARE**				
37.2	Replace Door and Frame	EA.	2		
43.0	**MISCELLANEOUS METALS**				
43.6	Replace Handrail	EA.	1		
99.0	**INVESTIGATION**				
99.1	Investigative Openings	EA.	6		
	EVERGREEN PARKING STRUCTURE - BID TOTAL				**$_____**

Description of Abbreviations:

L.F. = Lineal Feet
S.F. = Square Feet
LVL. = Level
EA = Each
L.S. = Lump Sum

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TIF #1 PARKING STRUCTURE BID TOTAL:	**$**
TIF #2 PARKING STRUCTURE BID TOTAL:	**$**
MUNICIPAL PARKING STRUCTURE BID TOTAL:	**$**
EVERGREEN PARKING STRUCTURE BID TOTAL:	**$**
BID GRAND TOTAL:	**$**

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1.2 NON-COLLUSION AFFIDAVIT

Bidder, by its officers and its agents or representatives present at the time of filing this Bid, being duly sworn on their oaths say, that neither they nor any of them have in any way, directly or indirectly, entered into any arrangement or agreement with any other Bidder, or with any officer of Village of Arlington Heights whereby such affiant or affiants or either of them has paid or is to pay such other Bidder or officer any sum of money, or has given or is to give to such other Bidder or officer anything of value whatever, or such affiant or affiants or either of them has not directly or indirectly, entered into any arrangement or agreement with any other free competition into the letting of the contract sought for by the attached Bids that no inducement of any form or character other than that which appears on the face of the Bid will be suggested, offered, paid or delivered to any person whomsoever to influence the acceptance of the Bid or awarding of the Contract, nor has this Bidder any agreement or understanding of any kind whatsoever, with any person whomsoever to pay, deliver to, or share with any other person in any way or manner, any of the proceeds of the Contractor sought by this Bid.

Submitted By:

Type or print firm name:

_____

Authorized Signature:

_____

Date:

_____

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1.3 LIST OF SUBCONTRACTORS

	COMPANY ADDRESS	CONTACT PERSON NAME PHONE NUMBER FAX NUMBER
Protective Sealer		
Traffic Topping		
Doors and Windows		
Plumbing		

END OF SECTION 00 43 10

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SECTION 00 45 13 – BIDDER'S QUALIFICATION STATEMENT - STRUCTURAL RESTORATION WORK

This statement is required in advance of consideration of application to bid or as a qualification statement in advance of a restoration contract.

SUBMITTED TO: WALKER Consultants

Attn: John Morgan

SUBMITTED BY: _____

ADDRESS: _____

_____

PHONE: (_____) _____

CONTACT: _____

COMPANY STRUCTURE:

__ Corporation
__ Partnership
__ Individual
__ Joint Venture
__ Other (Explain)

_____

_____

SPECIAL CERTIFICATIONS:

__ MBE
__ WBE
__ Other (Explain): _____
_____
_____

SUBMITTAL DATE: _____

AREA(S) OF EXPERTISE: (Check all that apply)

__ Structural Concrete Repair
__ Waterproofing/Jts. & Sealants
__ Waterproofing/Traffic Toppings & Sealers
__ Waterproofing/Roofing
___ Waterproofing/Plaza Systems
__ Concrete Flatwork
__ Brick/Masonry
__ Historic Buildings
__ _____
__ _____

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STRUCTURAL RESTORATION CONTRACTOR'S QUALIFICATION QUESTIONNAIRE

1. How many years has your organization been in business as a structural restoration contractor? _____Starting Year: _____

2. How many years has your organization been in business as a general contractor? _____Starting Year: _____

3. How many years has your organization been in business under its present business name? _____Starting Year: _____

4. List states in which your organization is legally qualified to do business.

5. What percentage of the work do you normally perform with your own work forces?

6. List on **Table I** the last five parking facility/bridge deck structural restoration projects your firm has completed.

7. List on **Table II** the structural restoration projects your organization has in progress at this time.

8. Have you ever failed to complete any work awarded to you? If so, attach a separate sheet of explanation.

9. Has any officer or partner of your organization ever been an officer or partner of another organization that failed to complete a construction contract? If so, attach a separate sheet of explanation.

10. List on **Table III** the construction experience of the principals and superintendents of your company.

11. What is your present bonding capacity? $_____ per Project,

    $_____ Aggregate

12. Who is your bonding agent?

    NAME: _____

    ADDRESS: _____

    PHONE: (_____) _____

    CONTACT: _____

13. Are you rated by any State Highway Departments? If so, please list which states on **Table IV** and your company's rating.

14. List on **Table V** the equipment you own that is available for restoration work.

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15. Are there any liens against the above? _____ If so, total amount $_____

16. Attach your company's most recent audited Balance Sheet, prepared in accordance with generally accepted accounting principles.

    Date of Balance Sheet: _____

    Name of firm Balance Sheet: _____

    DATED AT _____ THIS ____ DAY OF _____, 20_____.

    Name of Organization: _____

    By: _____

    TITLE: _____

    STATE OF: _____

    COUNTY OF: _____

_____ being duly sworn, deposes and says that he/she is _____ of the above organization and that the answers to the questions in the foregoing questionnaire and all statements therein contained are true and correct.

SUBSCRIBING AND SWORN TO BEFORE ME THIS _____ DAY OF 20_____.

NOTARY PUBLIC: _____

MY COMMISSION EXPIRES: _____

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TABLE I - LAST FIVE RESTORATION JOBS COMPLETED			
Name and Address of Contractor			Date:
Name and Address of Owner	Type of Restoration Work	Contract Amount	Date Completed

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TABLE II - LIST OF STRUCTURAL RESTORATION IN PROGRESS			
Name and Address of Contractor			Date:
Name and Address of Owner	Type of Work	Contract Amount	Expected Completion Date

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TABLE III - CONSTRUCTION EXPERIENCE OF PRINCIPALS AND SUPERINTENDENTS					
Name and address of Contractor:					Date:
Name	Position	Years Experience		Type of Work	Contract Amount
		Construction	Restoration		

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TABLE IV - RATINGS BY STATE HIGHWAY DEPARTMENTS			
Name and address of Contractor:			Date:
State	Rating	Contact & Phone No.	Highway Jobs for Ea. State

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TABLE V - LIST OF EQUIPMENT			
Name and address of Contractor:			Date:
Description of Equipment	Quantity	Years of Service	Current Book Value

END OF SECTION 00 45 13

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SECTION 01 11 10 - SUMMARY OF WORK

PART 1 - GENERAL

1.1 PROJECT DESCRIPTION

A. Work will be performed at locations within parking structure as shown on Drawings.

B. Work required in these areas and estimated quantities are listed on Bid Form. Bid Quantities associated with Work Items listed on Drawings have been estimated and are subject to measurement as defined in Article "Measurements." Where additional Work Items are described, but not specifically located and/or shown on Drawings, Contractor shall be responsible for locating and marking areas to be repaired. Owner and/or Engineer/Architect reserves right to increase or decrease quantities up to 25% at same unit cost, as required by job conditions. Unit costs will be established in accordance with Supplementary Conditions, Article "Changes" for quantity variations exceeding 25%.

C. Work Item specifications and details shall govern all repair operations. Locations where Work Items apply are shown on Drawings as symbols.

D. Final payment shall be made on basis of actual approved Work performed as measured in place.

E. Work consists of performing maintenance repairs to 4 different parking garages. Work included consists of concrete repairs at various concrete members, miscellaneous replacement of waterproofing elements, plumbing, and other miscellaneous repairs.

1.2 MEASUREMENTS

A. Before ordering any material or doing any Work, Contractor shall verify all measurements at Project site and shall be responsible for correctness of same.

B. Before proceeding with each Work Item, Contractor shall locate, mark, and measure quantity of each item and report quantities to Engineer/Architect. If measured quantities exceed Engineer/Architect's estimate, Contractor shall obtain written authorization to proceed from Owner before executing Work required for that Work Item.

C. Measurement of quantities for individual Work Items will be performed by Contractor and reviewed by Engineer/Architect. Coordinate measurements with inspection as required in Section "Project Management and Coordination."

D. Cost of Work included in each Work Item for quantities as indicated in Contract Documents shall be included in Base Bid.

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1. Additions to or deductions from lump sum price for quantities of each Work Item added to or deducted from Work respectively shall be at unit prices indicated in Bid Form and shall constitute payment or deductions in full for all material, equipment, labor, supervision and incidentals necessary to complete Work.

1.3 WORK SEQUENCE

A. Prior to commencement of work, meet with Engineer/Architect and Owner representatives to establish sequence and schedule of Work. Contractor shall give Owner notice of areas to be cleared of cars at least 2 working days in advance of actual Work.

B. Contractor shall develop a Construction Phasing Plans agreeable to the Owner. Refer to Drawings R-002 thru R-004 for typical phasing plans for the repairs.

C. Contractor shall remove all broken concrete and debris from Work area on daily basis and dispose of same at authorized dump sites.

D. Contractor shall remove dust and air transported sand/debris from remainder of facility at conclusion of operations in Work area.

1.4 CONTRACTOR USE OF PREMISES

A. General: During construction period Contractor shall have full use of premises for construction operations, including use of site. Contractor's use of premises is limited only by Owner's right to perform construction operations with its own forces or to employ separate contractors on portions of project.

B. General: Limit use of premises to construction activities in areas indicated; allow for Owner occupancy and use by public.

1. Confine operations to areas within Contract limits indicated. Portions of the site beyond areas in which construction operations are indicated are not to be disturbed.
2. Keep driveways and entrances serving the premises clear and available to the Owner and Owner's employees at all times. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on site.

C. Contractor's use of premises shall not interfere with operation of same. Elevators shall not be used for transfer of materials or equipment.

D. Contractor's debris removal path shall be over non-repaired services unless physical restraints prevent use of such path.

E. Contractor shall confine its apparatus, materials, equipment, tool cribs, field offices and operations to areas designated by Owner and/or Engineer/Architect. Premises shall

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not be unreasonably encumbered with materials and equipment. Neat and orderly stockpiling and other operations shall be maintained, and debris shall be regularly removed from site. Contractor shall not load or permit any part of structure to be loaded with weight that will endanger structural integrity or safety of facility. Contractor shall limit axle loads to maximum 4,000 lb per axle and gross weight of 8,000 lb, or stockpiling of materials and equipment to 50 lb per sq ft. Contractor to note existing height restrictions within parking structure.

F. Contractor Parking: Contractor's employees shall park within confines of work area.

1.5 BARRICADES

A. Provide positive barricading to separate Work areas from areas open to public. Provide additional barriers as required to prevent damage to vehicles due to airborne debris. See "Temporary Facilities" for additional requirements.

1.6 CLAIMS

A. Contractor shall promptly address all damages claims. Owner reserves right to resolve any claims not addressed by Contractor within 3 weeks after claim is received by Contractor. Any amounts paid by Owner will be deducted from Contractor's next progress payment.

END OF SECTION 01 11 10

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SECTION 01 22 00 - UNIT PRICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and other Division 01 Specification Sections apply to this Section.

1.2 SUMMARY

A. This Section specifies administrative and procedural requirements for unit prices.

1. Unit price is an amount proposed by Bidders and stated on Bid Form as price per unit of measurement for materials or services that will be added to or deducted from Contract Sum by Change Order in event estimated quantities of Work required by Contract Documents are increased or decreased.
2. Unit prices include all necessary material, overhead, profit and applicable taxes.
3. Refer to individual Specification Sections for construction activities requiring establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.

B. Schedule: "Unit Price Schedule" is included in Section 00 43 10.

1. Owner reserves right to reject Contractor's measurement of work-in-place that involves use of established unit prices, and to have this Work measured by engineer.

PART 2 - PRODUCTS (NOT APPLICABLE).

PART 3 - EXECUTION (NOT APPLICABLE).

END OF SECTION 01 22 00

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SECTION 01 26 00 - CONTRACT MODIFICATION PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and other Division 01 Specification Sections apply to this Section.

1.2 SUMMARY

A. This Section specifies administrative and procedural requirements for handling and processing contract modifications.

B. Related Requirements:

1. Division 01 Section "Unit Prices" for administrative requirements governing use of unit prices.
2. Division 01 Section "Submittal Procedures" for requirements for Contractor's Construction Schedule.
3. Division 01 Section "Payment Procedures" for administrative procedures governing applications for payment.

1.3 MINOR CHANGES IN THE WORK

A. Engineer will issue supplemental instructions authorizing minor changes in the Work, not involving adjustment to the Contract Sum or the Contract Time, on AIA Document G710.

1.4 PROPOSAL REQUESTS

A. Owner-Initiated Proposal Requests: Engineer Proposed changes in Work that will require adjustment to Contract Sum or Contract Time will be issued by Engineer, with detailed description of proposed change and supplemental or revised Drawings and Specifications, if necessary.

1. Work Change Proposal Requests issued by Engineer are not instructions either to stop work in progress or to execute the proposed change.
2. Within time specified in Proposal Request after receipt of Proposal Request, submit a quotation estimating cost adjustments to the Contract Sum and the Contract Time necessary to execute the change.

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a. Include list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
b. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
c. Include costs of labor and supervision directly attributable to the change.
d. Include statement indicating effect proposed change in Work will have on Contract Time.

B. Contractor-Initiated Change Order Proposal Requests: If latent or changed conditions require modifications to the Contract, Contractor may initiate a claim by submitting a request for a change to Engineer.

1. Include a statement outlining reasons for the change and the effect of the change on the Work. Provide a complete description of the proposed change. Indicate the effect of the proposed change on the Contract Sum and the Contract Time.
2. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
3. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
4. Include costs of labor and supervision directly attributable to the change.
5. Submit request no later than 10 working days after discovery of condition.
6. Include an updated Contractor's construction schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
7. Comply with requirements in Division 01, Section "Contract Modification Procedures" if the proposed change requires substitution of one product or system for product or system specified.

C. Proposal Request Form: Use AIA Document G709.

1.5 CONSTRUCTION CHANGE DIRECTIVE

A. Construction Change Directive: Engineer may issue a Construction Change Directive on AIA Document G714. Construction Change Directive instructs Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.

1. Construction Change Directive contains a complete description of change in the Work. It also designates method to be followed to determine change in the Contract Sum or the Contract Time.

B. Documentation: Maintain detailed records on a time and material basis of work required by the Construction Change Directive.

1. After completion of change, submit an itemized account and supporting data necessary to substantiate cost and time adjustments to the Contract.

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1.6 CHANGE ORDER PROCEDURES

A. Upon Owner's approval of Change Order Proposal Request, Engineer/Architect will issue Change Order for signatures of Owner and Contractor on AIA Form G701, as provided in Conditions of Contract.

PART 1 - PRODUCTS (NOT APPLICABLE)

PART 2 - EXECUTION (NOT APPLICABLE)

END OF SECTION 01 26 00

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SECTION 01 29 00 - PAYMENT PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section specifies administrative and procedural requirements necessary to prepare and process Applications for Payment.

B. Related Requirements:

1. Division 01 Section "Unit Prices" for administrative requirements governing use of unit prices.
2. Division 01 Section "Contract Modification Procedures" for administrative procedures for handling changes to the Contract.
3. Division 01 Section "Construction Progress Documentation" for administrative requirements governing preparation and submittal of Contractor's Construction Schedule and Submittals Schedule.

1.3 APPLICATIONS FOR PAYMENT

A. Each Application for Payment shall be consistent with previous applications and payments as certified by Engineer and paid for by Owner.
1. Initial Application for Payment, Application for Payment at time of Substantial Completion, and final Application for Payment involve additional requirements.

B. Payment Application Times: The date for each progress payment is indicated in the Agreement between Owner and Contractor. The period of construction Work covered by each Application for Payment is the period indicated in the Agreement.

C. Payment Application Forms: Use AIA Document G702 and AIA Document G703 Continuation Sheets as form for Applications for Payment.

D. Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. Engineer will return incomplete applications without action.
1. Entries shall match data on the Schedule of Values and Contractor's Construction Schedule. Use updated schedules if revisions were made.

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2. Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.

E. Transmittal: Submit 3 signed and notarized original copies of each Application for Payment to Engineer by a method ensuring receipt. One copy shall include waivers of lien and similar attachments if required.
1. Transmit each copy with a transmittal form listing attachments and recording appropriate information about application.

F. Waivers of Mechanic's Lien: With each Application for Payment, submit waivers of mechanic's lien from every entity who is lawfully entitled to file a mechanic's lien arising out of the Contract and related to the Work for construction period covered by the previous application.
1. Submit partial waivers on each item for amount requested, before deduction for retainage, on each item.
2. When an application shows completion of an item, submit final or full waivers.
3. Owner reserves the right to designate which entities involved in the Work must submit waivers.
4. Waiver Delays: Submit each Application for Payment with Contractor's waiver of mechanic's lien for construction period covered by the application.
   a. Submit final Application for Payment with or preceded by final waivers from every entity involved with performance of the Work covered by the application who is lawfully entitled to a lien.
5. Waiver Forms: Submit waivers of lien on forms, executed in a manner acceptable to Owner.

G. Final Payment Application: Submit final Application for Payment with releases and supporting documentation not previously submitted and accepted, including, but not limited, to the following:
1. Evidence of completion of Project closeout requirements.
2. Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.
3. Updated final statement, accounting for final changes to the Contract Sum.
4. AIA Document G706, "Contractor's Affidavit of Payment of Debts and Claims."
5. AIA Document G706A, "Contractor's Affidavit of Release of Liens."
6. Evidence that claims have been settled.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION (NOT APPLICABLE)

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SECTION 01 31 00 - PROJECT MANAGEMENT AND COORDINATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes administrative provisions for coordinating construction operations on Project including, but not limited to, the following:

1. General coordination procedures.
2. Coordination drawings.
3. RFIs.
4. Digital project management procedures.
5. Project meetings.

B. Related Sections: The following Sections contain requirements that relate to this Section:

1. Division 01 Section "Construction Progress Documentation" for preparing and submitting the Contractor's Construction Schedule.
2. Division 01 Section "Execution" for procedures for coordinating general installation and field-engineering services, including establishment of benchmarks and control points.
3. Division 01 Section "Closeout Procedures" for coordinating Contract closeout.

1.3 COORDINATION

A. Coordination: Coordinate construction operations included in various Sections of the Specifications to ensure efficient and orderly installation of each part of the Work. Coordinate construction operations, included in different Sections, that depend on each other for proper installation, connection, and operation.

B. Coordination: Each contractor shall coordinate its construction operations with those of other contractors and entities to ensure efficient and orderly installation of each part of the Work. Each contractor shall coordinate its operations with operations, included in different Sections, that depend on each other for proper installation, connection, and operation.

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1. Schedule construction operations in sequence required to obtain the best results where installation of one part of the Work depends on installation of other components, before or after its own installation.
2. Coordinate installation of different components with other contractors to ensure maximum accessibility for required maintenance, service, and repair.
3. Make adequate provisions to accommodate items scheduled for later installation.

C. If necessary, prepare memoranda for distribution to each party involved, outlining special procedures required for coordination. Include such items as required notices, reports, and list of attendees at meetings.

1. Prepare similar memoranda for Owner and separate contractors if coordination of their Work is required.

D. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities and scheduled activities of other contractors to avoid conflicts and to ensure orderly progress of the Work. Such administrative activities include, but are not limited to, the following:

1. Preparation of Contractor's construction schedule.
2. Preparation of the schedule of values.
3. Installation and removal of temporary facilities and controls.
4. Delivery and processing of submittals.
5. Progress meetings.
6. Project closeout activities.

1.4 SUBMITTALS

A. Contractor shall submit product data sheets where applicable for each work item. Engineer will review for approval prior to work being performed.

1.5 PROJECT MEETINGS

A. General: Schedule and conduct meetings and conferences at Project site, unless otherwise indicated.
1. Attendees: Inform participants and others involved, and individuals whose presence is required, of date and time of each meeting. Notify Owner and Engineer of scheduled meeting dates and times.
2. Agenda: Prepare the meeting agenda. Distribute the agenda to all invited attendees.
3. Minutes: Record significant discussions and agreements achieved. Distribute the meeting minutes to everyone concerned, including Owner and Engineer, within 3 days of the meeting.

B. Preconstruction Conference: Schedule a preconstruction conference before starting construction, at a time convenient to Owner and Engineer. Hold the conference at

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Project site or another convenient location. Conduct the meeting to review responsibilities and personnel assignments.

1. Attendees: Authorized representatives of Owner, Engineer, and their consultants; Contractor and its superintendent; major subcontractors; and other concerned parties shall attend the conference. All participants at the conference shall be familiar with Project and authorized to conclude matters relating to the Work.

C. Progress Meetings: Conduct progress meetings at monthly intervals or sooner if required by construction activities. Coordinate dates of meetings with preparation of payment requests.

1. Attendees: In addition to representatives of Owner and Engineer, each contractor, subcontractor, supplier, and other entity concerned with current progress or involved in planning, coordination, or performance of future activities shall be represented at these meetings. All participants at the conference shall be familiar with Project and authorized to conclude matters relating to the Work.
2. Reporting: Distribute minutes of the meeting to each party present and to parties who should have been present. Include a brief summary, in narrative form, of progress since the previous meeting and report.
    a. Schedule Updating: Revise Contractor's Construction Schedule after each progress meeting where revisions to the schedule have been made or recognized. Issue revised schedule concurrently with the report of each meeting.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION (NOT APPLICABLE)

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SECTION 01 32 00 - CONSTRUCTION PROGRESS DOCUMENTATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes administrative and procedural requirements for documenting the progress of construction during performance of the Work, including the following:

1. Contractor's Construction Schedule.
2. Submittals Schedule.

B. Related Sections include the following:

1. Division 01 Section "Project Management and Coordination" for submitting and distributing meeting and conference minutes.
2. Division 01 Section "Submittal Procedures" for submitting schedules and reports.
3. Division 01 Section "Quality Control" for submitting a schedule of tests and inspections.
4. Division 01 Section "Closeout Procedures" for submitting photographic negatives as Project Record Documents at Project closeout.

1.3 SUBMITTALS

A. Submittals Schedule: Submit three copies of schedule. Arrange the following information in a tabular format:

1. Scheduled date for first submittal.
2. Specification Section number and title.
3. Submittal category (action or informational).
4. Name of subcontractor.
5. Description of the Work covered.
6. Scheduled date for Engineer's final release or approval.

B. Preliminary Construction Schedule: Submit two printed copies.

C. Contractor's Construction Schedule: Submit two printed copies of initial schedule, large enough to show entire schedule for entire construction period.

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1.4 COORDINATION

A. Coordinate preparation and processing of schedules and reports with performance of construction activities and with scheduling and reporting of separate contractors.

B. Coordinate Contractor's Construction Schedule with the Schedule of Values, list of subcontracts, Submittals Schedule, progress reports, payment requests, and other required schedules and reports.

1. Secure time commitments for performing critical elements of the Work from parties involved.
2. Coordinate each construction activity in the network with other activities and schedule them in proper sequence.

PART 2 - PRODUCTS

2.1 CONTRACTOR'S CONSTRUCTION SCHEDULE

A. Gantt-Chart Schedule: Submit a comprehensive, fully developed, horizontal Gantt-chart-type, Contractor's Construction Schedule within 5 days of date established for commencement of the Work.

B. Preparation: Indicate each significant construction activity separately. Identify first workday of each week with a continuous vertical line.

1. For construction activities that require 3 months or longer to complete, indicate an estimated completion percentage in 10 percent increments within time bar.

PART 3 - EXECUTION

3.1 CONTRACTOR'S CONSTRUCTION SCHEDULE

A. Contractor's Construction Schedule Updating: At monthly intervals, update schedule to reflect actual construction progress and activities. Issue schedule one week before each regularly scheduled progress meeting.

1. Revise schedule immediately after each meeting or other activity where revisions have been recognized or made. Issue updated schedule concurrently with the report of each such meeting.
2. Include a report with updated schedule that indicates every change, including, but not limited to, changes in logic, durations, actual starts and finishes, and activity durations.
3. As the Work progresses, indicate Actual Completion percentage for each activity.

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B. Distribution: Distribute copies of approved schedule to Engineer, Owner, testing and inspecting agencies, and other parties identified by Contractor with a need-to-know schedule responsibility.

1. When revisions are made, distribute updated schedules to the same parties and post in the same locations. Delete parties from distribution when they have completed their assigned portion of the Work and are no longer involved in performance of construction activities.

END OF SECTION 01 32 00

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SECTION 01 33 00 - SUBMITTAL PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes requirements for the submittal schedule and administrative and procedural requirements for submitting Shop Drawings, Product Data, Samples, and other submittals.

B. Related Requirements:

1. Division 01 Section "Payment Procedures" For submitting Applications for Payment and the schedule of values.
2. Division 01 Section "Project Management and Coordination" for submitting coordination drawings and subcontract list and for requirements for web-based Project software.
3. Division 01 Section "Construction Progress Documentation" for submitting schedules and reports, including Contractor's construction schedule.
4. Division 01 Section "Closeout Procedures" for submitting closeout submittals and maintenance material submittals.
5. Division 01 Section "Project Record Documents" for submitting Record Drawings, Record Specifications, and Record Product Data.

1.3 DEFINITIONS

A. Action Submittals: Written and graphic information and physical samples that require Engineer's responsive action. Action submittals are those submittals indicated in individual Specification Sections as "action submittals."

B. Informational Submittals: Written and graphic information and physical samples that do not require Engineer's approval. Submittals may be rejected for not complying with requirements. Informational submittals are those submittals indicated in individual Specification Sections as "informational submittals."

C. Portable Document Format (PDF): An open standard file format licensed by Adobe Systems used for representing documents in a device-independent and display resolution-independent fixed-layout document format.

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1.4 SUBMITTAL FORMATS

A. PDF Submittals: Prepare submittals as PDF package, incorporating complete information into each PDF file. Name PDF file with submittal number.

1.5 SUBMITTAL PROCEDURES

A. Coordination: Coordinate preparation and processing of submittals with performance of construction activities.

1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
2. Submit all submittal items required for each Specification Section concurrently unless partial submittals for portions of the Work are indicated on approved submittal schedule.
3. Submit action submittals and informational submittals required by the same Specification Section as separate packages under separate transmittals.
4. Coordinate transmittal of submittals for related parts of the Work specified in different Sections so processing will not be delayed because of need to review submittals concurrently for coordination.

    a. Engineer reserves the right to withhold action on a submittal requiring coordination with other submittals until related submittals are received.

B. Processing Time: Allow time for submittal review, including time for resubmittals, as follows. Time for review shall commence on Engineer's receipt of submittal. No extension of the Contract Time will be authorized because of failure to transmit submittals enough in advance of the Work to permit processing, including resubmittals.

1. Initial Review: Allow 7 working days for initial review of each submittal. Allow additional time if coordination with subsequent submittals is required. Engineer will advise Contractor when a submittal being processed must be delayed for coordination.
2. Resubmittal Review: Allow 7 working days for review of each resubmittal.

C. Resubmittals: Engineer will review each of Contractor’s submittals the initial time and, should resubmittal be required, one additional time to verify that reasons for resubmittal have been addressed by Contractor and corrections made. Resubmittal changes/revisions/corrections shall be circled. Engineer will review only circled items and will not be responsible for non-circled changes/revisions/corrections and additions. Should additional resubmittals be required, Contractor shall reimburse Owner for all costs incurred, including the cost of Engineer’s services made necessary to review such additional resubmittals. Owner will in turn reimburse Engineer.

1. Make resubmittals in same form and number of copies as initial submittal.

    a. Note date and content of previous submittal.

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b. Note date and content of revision in label or title block and clearly indicate extent of revision.
c. Resubmit submittals until they are marked with approval notation from Engineer's action stamp.

D. Distribution: Furnish copies of final submittals to manufacturers, subcontractors, suppliers, fabricators, installers, authorities having jurisdiction, and others as necessary for performance of construction activities. Show distribution on transmittal forms.

E. Use for Construction: Use only final action submittals that are marked with approval notation from Engineer's action stamp.

1.6 REQUESTS FOR INFORMATION

A. Engineer reserves the right to reject, unprocessed, any Request for Information (RFI) that the Engineer, at its sole discretion, deems frivolous.

B. Engineer reserves the right to reject, unprocessed, any RFI that the Engineer, at its sole discretion, deems already answered in the Contract Documents.

C. RFI process shall not be used for requesting substitutions. Procedures for substitutions are clearly specified elsewhere in the contract documents.

1.7 CONTRACTOR'S REVIEW

A. Action and Informational Submittals: Review each submittal and check for coordination with other Work of the Contract and compliance with the Contract Documents. Note corrections and field dimensions. Mark with approval stamp before submitting to Engineer.

B. Project Closeout and Maintenance Material Submittals: See Requirements in Division 01 Section “Closeout Procedures.”

C. Contractor's Approval: Indicate Contractor's approval for each submittal with a uniform approval stamp. Include name of reviewer, date of Contractor's approval, and statement certifying that submittal has been reviewed, checked, and approved for compliance with the Contract Documents.

1. Engineer will not review submittals received from Contractor that do not have Contractor's review and approval.

1.8 ENGINEER'S ACTION

A. General: Engineer will not review submittals that do not bear Contractor's approval stamp and will return them without action.

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B. Action Submittals: Engineer or its subconsultant will review each submittal, make marks to indicate corrections or revisions required, and return it.

1. PDF Submittals: Engineer will indicate, via markup on each submittal, the appropriate action.

C. Submittals not required by the Contract Documents will not be reviewed and may be discarded.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION 01 33 00

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SECTION 01 40 00 - QUALITY CONTROL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and other Division 01 Specification Sections apply to this Section.

1.2 SUMMARY

A. This Section specifies administrative and procedural requirements for quality control services.

B. Quality control services include inspections, tests and related actions including reports, performed by independent agencies, governing authorities, and the Contractor. They do not include Contract enforcement activities performed by Engineer/Architect.

C. Inspection and testing services are required to verify compliance with requirements specified or indicated. These services do not relieve the Contractor of responsibility for compliance with Contract Document requirements.

D. Requirements of this Section relate to customized fabrication and installation procedures, not production of standard products.

1. Specific quality control requirements for individual construction activities are specified in the Sections that specify those activities. Those requirements, including inspections and tests, cover production of standard products as well as customized fabrication and installation procedures.
2. Inspections, tests, and related actions specified are not intended to limit the Contractor's quality control procedures that facilitate compliance with Contract Document requirements.
3. Requirements for the Contractor to provide quality control services required by Engineer/Architect, Owner, or authorities having jurisdiction are not limited by provisions of this Section.

E. Related Sections: Following Sections contain requirements that relate to this Section:

1. Division 01 Section "Cutting and Patching" specifies requirements for repair and restoration of construction disturbed by inspection and testing activities.

1.3 RESPONSIBILITIES

A. Contractor Responsibilities:

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1. Retesting: Contractor is responsible for retesting where results of required inspections, tests or similar services prove unsatisfactory and do not indicate compliance with Contract Document requirements, regardless of whether the original test was the Contractor's responsibility.

    a. Cost of retesting construction revised or replaced by the Contractor is the Contractor's responsibility, where required tests were performed on original construction.

B. Owner Responsibilities: Owner will provide inspections, tests and similar quality control services specified to be performed by independent agencies and not by the Contractor, except where they are specifically indicated as the Contractor's responsibility or are provided by another identified entity. Costs for these services are not included in the Contract Sum.

1. Owner will employ and pay for the services of an independent agency, testing laboratory or other qualified firm to perform services which are the Owner's responsibility.

C. Coordination: Contractor and each agency engaged to perform inspections, tests and similar services shall coordinate the sequence of activities to accommodate required services with a minimum of delay. In addition, Contractor and each agency shall coordinate activities to avoid the necessity of removing and replacing construction to accommodate inspections and tests.

1. Contractor is responsible for scheduling times for inspections, tests, taking samples and similar activities.

1.4 SUBMITTALS

A. Testing Agency shall submit a certified written report of each inspection, test or similar service, to Engineer/Architect, in duplicate, unless Contractor is responsible for the service. If Contractor is responsible for the service, submit a certified written report of each inspection, test, or similar service through the Contractor, in duplicate.

1. Submit additional copies of each written report directly to the governing authority, when the authority so directs.
2. Report Data: Written reports of each inspection, test or similar service shall include, but not be limited to:

    a. Date of issue.
    b. Project title and number.
    c. Name, address, and telephone number of testing agency.
    d. Dates and locations of samples and tests or inspections.
    e. Names of individuals making the inspection or test.
    f. Designation of the Work and test method.
    g. Identification of product and Specification Section.
    h. Complete inspection or test data.

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i. Test results and interpretations of test results.
j. Comments or professional opinion as to whether inspected or tested Work complies with Contract Document requirements.
k. Name and signature of laboratory inspector.
l. Recommendations on retesting.

PART 2 - PRODUCTS (NOT APPLICABLE).

PART 3 - EXECUTION

3.1 REPAIR AND PROTECTION

A. General: Upon completion of inspection, testing, sample-taking and similar services, repair damaged construction and restore substrates and finishes to eliminate deficiencies, including deficiencies in visual qualities of exposed finishes. Comply with Contract Document requirements for "Cutting and Patching."

B. Protect construction exposed by or for quality control service activities and protect repaired construction.

C. Repair and protection is the Contractor's responsibility, regardless of the assignment of responsibility for inspection, testing or similar services.

END OF SECTION 01 40 00

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SECTION 01 42 00 - REFERENCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 DEFINITIONS

A. General: Basic Contract definitions are included in the Conditions of the Contract.

B. "Approved": When used to convey Engineer's action on Contractor's submittals, applications, and requests, "approved" is limited to Engineer's duties and responsibilities as stated in the Conditions of the Contract.

C. "Directed": A command or instruction by Engineer. Other terms including "requested," "authorized," "selected," "approved," "required," and "permitted" have the same meaning as "directed."

D. "Indicated": Requirements expressed by graphic representations or in written form on Drawings, in Specifications, and in other Contract Documents. Other terms including "shown," "noted," "scheduled," and "specified" have the same meaning as "indicated."

E. "Regulations": Laws, ordinances, statutes, and lawful orders issued by authorities having jurisdiction, and rules, conventions, and agreements within the construction industry that control performance of the Work.

F. "Furnish": Supply and deliver to Project site, ready for unloading, unpacking, assembly, installation, and similar operations.

G. "Install": Unload, temporarily store, unpack, assemble, erect, place, anchor, apply, work to dimension, finish, cure, protect, clean, and similar operations at Project site.

H. "Provide": Furnish and install, complete and ready for the intended use.

I. "Project Site": Space available for performing construction activities. The extent of Project site is shown on Drawings and may or may not be identical with the description of the land on which Project is to be built.

1.3 INDUSTRY STANDARDS

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A. Applicability of Standards: Unless the Contract Documents include more stringent requirements, applicable construction industry standards have the same force and effect as if bound or copied directly into the Contract Documents to the extent referenced. Such standards are made a part of the Contract Documents by reference.

B. Publication Dates: Comply with standards in effect as of date of the Contract Documents, unless otherwise indicated.

C. Copies of Standards: Each entity engaged in construction on Project should be familiar with industry standards applicable to its construction activity. Copies of applicable standards are not bound with the Contract Documents.

1. Where copies of standards are needed to perform a required construction activity, obtain copies directly from publication source.

1.4 ABBREVIATIONS AND ACRONYMS

A. Industry Organizations: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities indicated in Gale's "Encyclopedia of Associations: National Organizations of the U.S." or in Columbia Books' "National Trade & Professional Associations of the United States."

B. Industry Organizations: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities in the following list. This information is subject to change and is believed to be accurate as of the date of the Contract Documents.

1. AABC - Associated Air Balance Council; www.aabc.com.
2. AAMA - American Architectural Manufacturers Association; www.aamanet.org.
3. AAPFCO - Association of American Plant Food Control Officials; www.aapfco.org.
4. AASHTO - American Association of State Highway and Transportation Officials; www.transportation.org.
5. AATCC - American Association of Textile Chemists and Colorists; www.aatcc.org.
6. ABMA - American Bearing Manufacturers Association; www.americanbearings.org.
7. ABMA - American Boiler Manufacturers Association; www.abma.com.
8. ACI - American Concrete Institute; (Formerly: ACI International); www.abma.com.
9. ACPA - American Concrete Pipe Association; www.concrete-pipe.org.
10. AEIC - Association of Edison Illuminating Companies, Inc. (The); www.aeic.org.
11. AF&PA - American Forest & Paper Association; www.afandpa.org.
12. AGA - American Gas Association; www.aga.org.
13. AHAM - Association of Home Appliance Manufacturers; www.aham.org.
14. AHRI - Air-Conditioning, Heating, and Refrigeration Institute (The); www.ahrinet.org.

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15. AI - Asphalt Institute; www.asphaltinstitute.org.
16. AIA - American Institute of Architects (The); www.aia.org.
17. AISC - American Institute of Steel Construction; www.aisc.org.
18. AISI - American Iron and Steel Institute; www.steel.org.
19. AITC - American Institute of Timber Construction; www.aitc-glulam.org.
20. AMCA - Air Movement and Control Association International, Inc.; www.amca.org.
21. ANSI - American National Standards Institute; www.ansi.org.
22. AOSA - Association of Official Seed Analysts, Inc.; www.aosaseed.com.
23. APA - APA - The Engineered Wood Association; www.apawood.org.
24. APA - Architectural Precast Association; www.archprecast.org.
25. API - American Petroleum Institute; www.api.org.
26. ARI - Air-Conditioning & Refrigeration Institute; (See AHRI).
27. ARI - American Refrigeration Institute; (See AHRI).
28. ARMA - Asphalt Roofing Manufacturers Association; www.asphaltroofing.org.
29. ASCE - American Society of Civil Engineers; www.asce.org.
30. ASCE/SEI - American Society of Civil Engineers/Structural Engineering Institute; (See ASCE).
31. ASHRAE - American Society of Heating, Refrigerating and Air-Conditioning Engineers; www.ashrae.org.
32. ASME - ASME International; (American Society of Mechanical Engineers); www.asme.org.
33. ASSE - American Society of Safety Engineers (The); www.asse.org.
34. ASSE - American Society of Sanitary Engineering; www.asse-plumbing.org.
35. ASTM - ASTM International; www.astm.org.
36. ATIS - Alliance for Telecommunications Industry Solutions; www.atis.org.
37. AWEA - American Wind Energy Association; www.awea.org.
38. AWI - Architectural Woodwork Institute; www.awinet.org.
39. AWMAC - Architectural Woodwork Manufacturers Association of Canada; www.awmac.com.
40. AWPA - American Wood Protection Association; www.awpa.com.
41. AWS - American Welding Society; www.aws.org.
42. AWWA - American Water Works Association; www.awwa.org.
43. BHMA - Builders Hardware Manufacturers Association; www.buildershardware.com.
44. BIA - Brick Industry Association (The); www.gobrick.com.
45. BICSI - BICSI, Inc.; www.bicsi.org.
46. BIFMA - BIFMA International; (Business and Institutional Furniture Manufacturer's Association); www.bifma.org.
47. BISSC - Baking Industry Sanitation Standards Committee; www.bissc.org.
48. BWF - Badminton World Federation; (Formerly: International Badminton Federation); www.bissc.org.
49. CDA - Copper Development Association; www.copper.org.
50. CEA - Canadian Electricity Association; www.electricity.ca.
51. CEA - Consumer Electronics Association; www.ce.org.
52. CFFA - Chemical Fabrics and Film Association, Inc.; www.chemicalfabricsandfilm.com.
53. CFSEI - Cold-Formed Steel Engineers Institute; www.cfsei.org.
54. CGA - Compressed Gas Association; www.cganet.com.

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55. CIMA - Cellulose Insulation Manufacturers Association; www.cellulose.org.
56. CISCA - Ceilings & Interior Systems Construction Association; www.cisca.org.
57. CISPI - Cast Iron Soil Pipe Institute; www.cispi.org.
58. CLFMI - Chain Link Fence Manufacturers Institute; www.chainlinkinfo.org.
59. CPA - Composite Panel Association; www.pbmdf.com.
60. CRI - Carpet and Rug Institute (The); www.carpet-rug.org.
61. CRRC - Cool Roof Rating Council; www.coolroofs.org.
62. CRSI - Concrete Reinforcing Steel Institute; www.crsi.org.
63. CSA - Canadian Standards Association; www.csa.ca.
64. CSA - CSA International; (Formerly: IAS - International Approval Services); www.csa-international.org.
65. CSI - Construction Specifications Institute (The); www.csinet.org.
66. CSSB - Cedar Shake & Shingle Bureau; www.cedarbureau.org.
67. CTI - Cooling Technology Institute; (Formerly: Cooling Tower Institute); www.cti.org.
68. CWC - Composite Wood Council; (See CPA).
69. DASMA - Door and Access Systems Manufacturers Association; www.dasma.com.
70. DHI - Door and Hardware Institute; www.dhi.org.
71. ECA - Electronic Components Association; (See ECIA).
72. ECAMA - Electronic Components Assemblies & Materials Association; (See ECIA).
73. ECIA - Electronic Components Industry Association; www.eciaonline.org.
74. EIA - Electronic Industries Alliance; (See TIA).
75. EIMA - EIFS Industry Members Association; www.eima.com.
76. EJMA - Expansion Joint Manufacturers Association, Inc.; www.ejma.org.
77. ESD - ESD Association; (Electrostatic Discharge Association); www.esda.org.
78. ESTA - Entertainment Services and Technology Association; (See PLASA).
79. EVO - Efficiency Valuation Organization; www.evo-world.org.
80. FCI - Fluid Controls Institute; www.fluidcontrolsinstitute.org.
81. FIBA - Federation Internationale de Basketball; (The International Basketball Federation); www.fiba.com.
82. FIVB - Federation Internationale de Volleyball; (The International Volleyball Federation); www.fivb.org.
83. FM Approvals - FM Approvals LLC; www.fmglobal.com.
84. FM Global - FM Global; (Formerly: FMG - FM Global); www.fmglobal.com.
85. FRSA - Florida Roofing, Sheet Metal & Air Conditioning Contractors Association, Inc.; www.floridaroof.com.
86. FSA - Fluid Sealing Association; www.fluidsealing.com.
87. FSC - Forest Stewardship Council U.S.; www.fscus.org.
88. GA - Gypsum Association; www.gypsum.org.
89. GANA - Glass Association of North America; www.glasswebsite.com.
90. GS - Green Seal; www.greenseal.org.
91. HI - Hydraulic Institute; www.pumps.org.
92. HI/GAMA - Hydronics Institute/Gas Appliance Manufacturers Association; (See AHRI).
93. HMMA - Hollow Metal Manufacturers Association; (See NAAMM).
94. HPVA - Hardwood Plywood & Veneer Association; www.hpva.org.
95. HPW - H. P. White Laboratory, Inc.; www.hpwhite.com.

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96. IAPSC - International Association of Professional Security Consultants; www.iapsc.org.
97. IAS - International Accreditation Service; www.iasonline.org.
98. IAS - International Approval Services; (See CSA).
99. ICBO - International Conference of Building Officials; (See ICC).
100. ICC - International Code Council; www.iccsafe.org.
101. ICEA - Insulated Cable Engineers Association, Inc.; www.icea.net.
102. ICPA - International Cast Polymer Alliance; www.icpa-hq.org.
103. ICRI - International Concrete Repair Institute, Inc.; www.icri.org.
104. IEC - International Electrotechnical Commission; http://www.iec.ch.
105. IEEE - Institute of Electrical and Electronics Engineers, Inc. (The); www.ieee.org.
106. IES - Illuminating Engineering Society; (Formerly: Illuminating Engineering Society of North America); www.ies.org.
107. IESNA - Illuminating Engineering Society of North America; (See IES).
108. IEST - Institute of Environmental Sciences and Technology; www.iest.org.
109. IGMA - Insulating Glass Manufacturers Alliance; www.igmaonline.org.
110. IGSHPA - International Ground Source Heat Pump Association; www.igshpa.okstate.edu.
111. ILI - Indiana Limestone Institute of America, Inc.; www.iliai.com.
112. Intertek - Intertek Group; (Formerly: ETL SEMCO; Intertek Testing Service NA); www.intertek.com.
113. ISA - International Society of Automation (The); (Formerly: Instrumentation, Systems, and Automation Society); www.isa.org.
114. ISAS - Instrumentation, Systems, and Automation Society (The); (See ISA).
115. ISFA - International Surface Fabricators Association; (Formerly: International Solid Surface Fabricators Association); www.isfanow.org.
116. ISO - International Organization for Standardization; www.iso.org.
117. ISSFA - International Solid Surface Fabricators Association; (See ISFA).
118. ITU - International Telecommunication Union; www.itu.int/home.
119. KCMA - Kitchen Cabinet Manufacturers Association; www.kcma.org.
120. LMA - Laminating Materials Association; (See CPA).
121. LPI - Lightning Protection Institute; www.lightning.org.
122. MBMA - Metal Building Manufacturers Association; www.mbma.com.
123. MCA - Metal Construction Association; www.metalconstruction.org.
124. MFMA - Maple Flooring Manufacturers Association, Inc.; www.maplefloor.org.
125. MFMA - Metal Framing Manufacturers Association, Inc.; www.metalframingmfg.org.
126. MHIA - Material Handling Industry of America; www.mhia.org.
127. MIA - Marble Institute of America; www.marble-institute.com.
128. MMPA - Moulding & Millwork Producers Association; www.wmmpa.com.
129. MPI - Master Painters Institute; www.paintinfo.com.
130. MSS - Manufacturers Standardization Society of The Valve and Fittings Industry Inc.; www.mss-hq.org.
131. NAAMM - National Association of Architectural Metal Manufacturers; www.naamm.org.
132. NACE - NACE International; (National Association of Corrosion Engineers International); www.nace.org.
133. NADCA - National Air Duct Cleaners Association; www.nadca.com.
134. NAIMA - North American Insulation Manufacturers Association; www.naima.org.

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135. NBGQA - National Building Granite Quarries Association, Inc.; www.nbgqa.com.
136. NBI - New Buildings Institute; www.newbuildings.org.
137. NCAA - National Collegiate Athletic Association (The); www.ncaa.org.
138. NCMA - National Concrete Masonry Association; www.ncma.org.
139. NEBB - National Environmental Balancing Bureau; www.nebb.org.
140. NECA - National Electrical Contractors Association; www.necanet.org.
141. NeLMA - Northeastern Lumber Manufacturers Association; www.nelma.org.
142. NEMA - National Electrical Manufacturers Association; www.nema.org.
143. NETA - InterNational Electrical Testing Association; www.netaworld.org.
144. NFHS - National Federation of State High School Associations; www.nfhs.org.
145. NFPA - National Fire Protection Association; www.nfpa.org.
146. NFPA - NFPA International; (See NFPA).
147. NFRC - National Fenestration Rating Council; www.nfrc.org.
148. NHLA - National Hardwood Lumber Association; www.nhla.com.
149. NLGA - National Lumber Grades Authority; www.nlga.org.
150. NOFMA - National Oak Flooring Manufacturers Association; (See NWFA).
151. NOMMA - National Ornamental & Miscellaneous Metals Association; www.nomma.org.
152. NRCA - National Roofing Contractors Association; www.nrca.net.
153. NRMCA - National Ready Mixed Concrete Association; www.nrmca.org.
154. NSF - NSF International; www.nsf.org.
155. NSPE - National Society of Professional Engineers; www.nspe.org.
156. NSSGA - National Stone, Sand & Gravel Association; www.nssga.org.
157. NTMA - National Terrazzo & Mosaic Association, Inc. (The); www.ntma.com.
158. NWFA - National Wood Flooring Association; www.nwfa.org.
159. PCI - Precast/Prestressed Concrete Institute; www.pci.org.
160. PDI - Plumbing & Drainage Institute; www.pdionline.org.
161. PLASA - PLASA; (Formerly: ESTA - Entertainment Services and Technology Association); www.plasa.org.
162. RCSC - Research Council on Structural Connections; www.boltcouncil.org.
163. RFCI - Resilient Floor Covering Institute; www.rfci.com.
164. RIS - Redwood Inspection Service; www.redwoodinspection.com.
165. SAE - SAE International; www.sae.org.
166. SCTE - Society of Cable Telecommunications Engineers; www.scte.org.
167. SDI - Steel Deck Institute; www.sdi.org.
168. SDI - Steel Door Institute; www.steeldoor.org.
169. SEFA - Scientific Equipment and Furniture Association (The); www.sefalabs.com.
170. SEI/ASCE - Structural Engineering Institute/American Society of Civil Engineers; (See ASCE).
171. SIA - Security Industry Association; www.siaonline.org.
172. SJI - Steel Joist Institute; www.steeljoist.org.
173. SMA - Screen Manufacturers Association; www.smainfo.org.
174. SMACNA - Sheet Metal and Air Conditioning Contractors' National Association; www.smacna.org.
175. SMPTE - Society of Motion Picture and Television Engineers; www.smpte.org.
176. SPFA - Spray Polyurethane Foam Alliance; www.sprayfoam.org.
177. SPIB - Southern Pine Inspection Bureau; www.spib.org.
178. SPRI - Single Ply Roofing Industry; www.spri.org.

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179. SRCC - Solar Rating & Certification Corporation; www.solar-rating.org.
180. SSINA - Specialty Steel Industry of North America; www.ssina.com.
181. SSPC - SSPC: The Society for Protective Coatings; www.sspc.org.
182. STI - Steel Tank Institute; www.steeltank.com.
183. SWI - Steel Window Institute; www.steelwindows.com.
184. SWPA - Submersible Wastewater Pump Association; www.swpa.org.
185. TCA - Tilt-Up Concrete Association; www.tilt-up.org.
186. TCNA - Tile Council of North America, Inc.; www.tileusa.com.
187. TEMA - Tubular Exchanger Manufacturers Association, Inc.; www.tema.org.
188. TIA - Telecommunications Industry Association (The); (Formerly: TIA/EIA - Telecommunications Industry Association/Electronic Industries Alliance); www.tiaonline.org.
189. TIA/EIA - Telecommunications Industry Association/Electronic Industries Alliance; (See TIA).
190. TMS - The Masonry Society; www.masonrysociety.org.
191. TPI - Truss Plate Institute; www.tpinst.org.
192. TPI - Turfgrass Producers International; www.turfgrasssod.org.
193. TRI - Tile Roofing Institute; www.tileroofing.org.
194. UL - Underwriters Laboratories Inc.; www.ul.com.
195. UNI - Uni-Bell PVC Pipe Association; www.uni-bell.org.
196. USAV - USA Volleyball; www.usavolleyball.org.
197. USGBC - U.S. Green Building Council; www.usgbc.org.
198. USITT - United States Institute for Theatre Technology, Inc.; www.usitt.org.
199. WASTEC - Waste Equipment Technology Association; www.wastec.org.
200. WCLIB - West Coast Lumber Inspection Bureau; www.wclib.org.
201. WCMA - Window Covering Manufacturers Association; www.wcmanet.org.
202. WDMA - Window & Door Manufacturers Association; www.wdma.com.
203. WI - Woodwork Institute; www.wicnet.org.
204. WSRCA - Western States Roofing Contractors Association; www.wsrca.com.
205. WWPA - Western Wood Products Association; www.wwpa.org.

C. Code Agencies: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities in the following list. This information is believed to be accurate as of the date of the Contract Documents.

1. DIN - Deutsches Institut fur Normung e.V.; www.din.de.
2. IAPMO - International Association of Plumbing and Mechanical Officials; www.iapmo.org.
3. ICC - International Code Council; www.iccsafe.org.
4. ICC-ES - ICC Evaluation Service, LLC; www.icc-es.org.

D. Federal Government Agencies: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities in the following list. Information is subject to change and is up to date as of the date of the Contract Documents.

1. COE - Army Corps of Engineers; www.usace.army.mil.
2. CPSC - Consumer Product Safety Commission; www.cpsc.gov.

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3. DOC - Department of Commerce; National Institute of Standards and Technology; www.nist.gov.
4. DOD - Department of Defense; www.quicksearch.dla.mil.
5. DOE - Department of Energy; www.energy.gov.
6. EPA - Environmental Protection Agency; www.epa.gov.
7. FAA - Federal Aviation Administration; www.faa.gov.
8. FG - Federal Government Publications; www.gpo.gov/fdsys.
9. GSA - General Services Administration; www.gsa.gov.
10. HUD - Department of Housing and Urban Development; www.hud.gov.
11. LBL - Lawrence Berkeley National Laboratory; Environmental Energy Technologies Division; www.eetd.lbl.gov.
12. OSHA - Occupational Safety & Health Administration; www.osha.gov.
13. SD - Department of State; www.state.gov.
14. TRB - Transportation Research Board; National Cooperative Highway Research Program; The National Academies; www.trb.org.
15. USDA - Department of Agriculture; Agriculture Research Service; U.S. Salinity Laboratory; www.ars.usda.gov.
16. USDA - Department of Agriculture; Rural Utilities Service; www.usda.gov.
17. USDOJ - Department of Justice; Office of Justice Programs; National Institute of Justice; www.ojp.usdoj.gov.
18. USP - U.S. Pharmacopeial Convention; www.usp.org.
19. USPS - United States Postal Service; www.usps.com.

E. Standards and Regulations: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the standards and regulations in the following list. This information is subject to change and is believed to be accurate as of the date of the Contract Documents.

1. CFR - Code of Federal Regulations; Available from Government Printing Office; www.gpo.gov/fdsys.
2. DOD - Department of Defense; Military Specifications and Standards; Available from DLA Document Services; www.quicksearch.dla.mil.
3. DSCC - Defense Supply Center Columbus; (See FS).
4. FED-STD - Federal Standard; (See FS).
5. FS - Federal Specification; Available from DLA Document Services; www.quicksearch.dla.mil.

    a. Available from Defense Standardization Program; www.dsp.dla.mil.
    b. Available from General Services Administration; www.gsa.gov.
    c. Available from National Institute of Building Sciences/Whole Building Design Guide; www.wbdg.org/ccb.

6. MILSPEC - Military Specification and Standards; (See DOD).
7. USAB - United States Access Board; www.access-board.gov.
8. USATBCB - U.S. Architectural & Transportation Barriers Compliance Board; (See USAB).

F. State Government Agencies: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of

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the entities in the following list. This information is subject to change and is believed to be accurate as of the date of the Contract Documents.

1. CBHF; State of California; Department of Consumer Affairs; Bureau of Electronic and Appliance Repair, Home Furnishings and Thermal Insulation; www.bearhfti.ca.gov.
2. CCR; California Code of Regulations; Office of Administrative Law; California Title 24 Energy Code; www.calregs.com.
3. CDHS; California Department of Health Services; (See CDPH).
4. CDPH; California Department of Public Health; Indoor Air Quality Program; www.cal-iaq.org.
5. CPUC; California Public Utilities Commission; www.cpuc.ca.gov.
6. SCAQMD; South Coast Air Quality Management District; www.aqmd.gov.
7. TFS; Texas A&M Forest Service; Sustainable Forestry and Economic Development; www.txforestservice.tamu.edu.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION 01 42 00

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SECTION 01 42 10 - REFERENCE STANDARDS AND DEFINITIONS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 DEFINITIONS

A. General: Basic contract definitions are included in the Conditions of the Contract.

B. "Indicated": The term "indicated" refers to graphic representations, notes, or schedules on the Drawings; or to other paragraphs or schedules in the Specifications and similar requirements in the Contract Documents. Terms such as "shown," "noted," "scheduled," and "specified" are used to help the user locate the reference. Location is not limited.

C. "Directed": Terms such as "directed," "requested," "authorized," "selected," "approved," "required," and "permitted" mean directed by the Design Professional, requested by the Design Professional, and similar phrases.

D. "Approved": The term "approved," when used in conjunction with the Design Professional's action on the Contractor's submittals, applications, and requests, is limited to the Design Professional's duties and responsibilities as stated in the Conditions of the Contract.

E. "Regulations": The term "regulations" includes laws, ordinances, statutes, and lawful orders issued by authorities having jurisdiction, as well as rules, conventions, and agreements within the construction industry that control performance of the Work.

F. "Furnish": The term "furnish" means to supply and deliver to the Project site, ready for unloading, unpacking, assembly, installation, and similar operations.

G. "Install": The term "install" describes operations at the Project site including the actual unloading, temporary storage, unpacking, assembling, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations.

H. "Provide": The term "provide" means to furnish and install, complete and ready for the intended use.

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I. "Installer": An installer is the Contractor or another entity engaged by the Contractor, either as an employee, subcontractor, or contractor of lower tier, to perform a particular construction activity, including installation, erection, application, or similar operations. Installers are required to be experienced in the operations they are engaged to perform.

1. The term "experienced," when used with the term "installer," means having successfully completed a minimum of five previous projects similar in size and scope to this Project; being familiar with the special requirements indicated; and having complied with requirements of authorities having jurisdiction.
2. Trades: Using a term such as "carpentry" does not imply that certain construction activities must be performed by accredited or unionized individuals of a corresponding generic name, such as "carpenter." It also does not imply that requirements specified apply exclusively to tradespersons of the corresponding generic name.
3. Assigning Specialists: Certain Sections of the Specifications require that specific construction activities shall be performed by specialists who are recognized experts in those operations. The specialists must be engaged for those activities, and their assignments are requirements over which the Contractor has no option. However, the ultimate responsibility for fulfilling contract requirements remains with the Contractor.

    a. This requirement shall not be interpreted to conflict with enforcing building codes and similar regulations governing the Work. It is also not intended to interfere with local trade-union jurisdictional settlements and similar conventions.

J. "Project site" is the space available to the Contractor for performing construction activities, either exclusively or in conjunction with others performing other work as part of the Project. The extent of the Project site is shown on the Drawings and may or may not be identical with the description of the land on which the Project is to be built.

K. "Testing Agencies": A testing agency is an independent entity engaged to perform specific inspections or tests, either at the Project site or elsewhere, and to report on and, if required, to interpret results of those inspections or tests.

1.3 SPECIFICATION FORMAT AND CONTENT EXPLANATION

A. Specification Format: These Specifications are organized into Divisions and Sections based on the CSI/CSC's "MasterFormat" numbering system.

B. Specification Content: These Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

1. Abbreviated Language: Language used in the Specifications and other Contract Documents is abbreviated. Words and meanings shall be interpreted as appropriate. Words implied, but not stated, shall be interpolated as the sense

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requires. Singular words shall be interpreted as plural and plural words interpreted as singular where applicable as the context of the Contract Documents indicates.

2. Imperative mood and streamlined language are generally used in the Specifications. Requirements expressed in the imperative mood are to be performed by the Contractor. At certain locations in the Section Text, subjective language is used for clarity to describe responsibilities that must be fulfilled indirectly by the Contractor or by others when so noted.

    a. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.

1.4 INDUSTRY STANDARDS

A. Applicability of Standards: Unless the Contract Documents include more stringent requirements, applicable construction industry standards have the same force and effect as if bound or copied directly into the Contract Documents to the extent referenced. Such standards are made a part of the Contract Documents by reference.

B. Publication Dates: Comply with standards in effect as of the date of the Contract Documents.

C. Conflicting Requirements: Where compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement. Refer uncertainties and requirements that are different, but apparently equal, to the Design Professional for a decision before proceeding.

    1. Minimum Quantity or Quality Levels: The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of the requirements. Refer uncertainties to the Design Professional for a decision before proceeding.

D. Copies of Standards: Each entity engaged in construction on the Project must be familiar with industry standards applicable to its construction activity. Copies of applicable standards are not bound with the Contract Documents.

    1. Where copies of standards are needed to perform a required construction activity, the Contractor shall obtain copies directly from the publication source and make them available on request.

E. Abbreviations and Names: Trade association names and titles of general standards are frequently abbreviated. Where abbreviations and acronyms are used in the Specifications or other Contract Documents, they mean the recognized name of the trade association, standards-producing organization, authorities having jurisdiction, or

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other entity applicable to the context of the text provision. Refer to Gale Research's "Encyclopedia of Associations" or Columbia Books' "National Trade & Professional Associations of the U.S.," which are available in most libraries.

1.5 SUBMITTALS

A. Permits, Licenses, and Certificates: For the Owner's records, submit copies of permits, licenses, certifications, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, correspondence, records, and similar documents, established for compliance with standards and regulations bearing on performance of the Work.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION (NOT APPLICABLE)

END OF SECTION 01 42 10

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SECTION 01 50 00 - TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections apply to this Section.

1.2 SUMMARY

A. This Section includes minimum requirements for construction facilities and temporary controls, including temporary utilities, support facilities, and security and protection. The Contractor retains all responsibility for the adequacy and sufficiency of all jobsite safety precautions and programs.

B. Temporary utilities required include but are not limited to the following:

1. Temporary electric power and light.
2. Sanitary facilities, including drinking water.

C. Support facilities include, but are not limited to, the following:

1. Waste disposal services.
2. Construction aids and miscellaneous services and facilities.

D. Security and protection facilities include, but are not limited to, the following:

1. Barricades, warning signs, lights.

1.3 SUBMITTALS

A. Temporary Utilities: Submit reports of tests, inspections, meter readings, permits, correspondence with governing utility agencies and similar procedures performed on temporary utilities.

B. Implementation and Termination Schedule: Submit schedule indicating implementation and termination of each temporary utility within 15 days of date established for commencement of Work.

1.4 QUALITY ASSURANCE

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A. Regulations: Comply with industry standards and applicable laws and regulations of authorities having jurisdiction, including but not limited to, the following:

1. Building Code requirements.
2. Health and safety regulations.
3. Police, Fire Department and Rescue Squad rules.
4. Environmental protection regulations.

B. Standards: Comply with NFPA Code 241, "Standard for Safeguarding Construction, Alterations, and Demolition Operations," ANSI-A10 Series standards for "Safety Requirements for Construction and Demolition," and NECA Electrical Design Library "Temporary Electrical Facilities."

1. Electrical Service: Comply with NEMA, NECA and UL standards and regulations for temporary electric service. Install service in compliance with NFPA 70, "National Electric Code."

C. Inspections: Arrange for authorities having jurisdiction to inspect and test each temporary utility before use. Obtain required certifications and permits.

PART 2 - PRODUCTS

2.1 MATERIALS

A. General: Provide new materials; if acceptable to Engineer/Architect, undamaged previously used materials in serviceable condition may be used. Provide materials suitable for use intended.

B. Water: Provide potable water approved by local health authorities.

2.2 EQUIPMENT

A. General: Provide new equipment; if acceptable to Engineer/Architect, undamaged, previously used equipment in serviceable condition. Provide equipment suitable for use intended.

B. Water Hoses: Provide 0.75 in. heavy-duty, abrasion-resistant, flexible rubber hoses 100 ft. long, with pressure rating greater than maximum pressure of water distribution system; provide adjustable shut-off nozzles at hose discharge.

C. First Aid Supplies: Comply with governing regulations.

D. Fire Extinguishers: Provide hand-carried, portable UL-rated, class "A" fire extinguishers for temporary offices and similar spaces. In other locations provide hand-carried, portable, UL-rated, class "ABC" dry chemical extinguishers, or a combination of extinguishers of NFPA recommended classes for the exposures.

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1. Comply with NFPA 10 and 241 for classification, extinguishing agent and size required by location and class of fire exposure.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Use qualified personnel for installation of temporary facilities. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required.

B. Provide each facility ready for use when needed to avoid delay. Maintain and modify as required. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

C. All temporary facilities shall be located within work area.

D. Installation of temporary facilities shall not block pedestrian and vehicular traffic to adjacent non-work areas.

3.2 SECURITY AND PROTECTION FACILITIES INSTALLATION

A. Temporary Partitions: Provide floor-to-ceiling partitions to limit dust and debris migration and to separate areas occupied by Owner and tenants.

1. Construct floor-to-ceiling partitions with two layers of 6-mil polyethylene sheet on each side. Overlap and tape full length of joints.

B. Barricades, Warning Signs and Lights: Comply with standards and code requirements for erection of structurally adequate barricades. Paint with appropriate colors, graphics, and warning signs to inform personnel and public of hazard being protected against. Where appropriate and needed provide lighting, including flashing red or amber lights.

C. Dust and Fume Control: The Contractor shall take steps necessary to prevent dust and dirt infiltration. This shall possibly include, but not necessarily be limited to, protection of any intake vents adjacent to the work, sealing of building entrances, use of floor mats, interior air quality monitoring, etc.

D. Security Enclosure and Lockup: Install substantial temporary enclosure of partially completed areas of construction. Provide locking entrances to prevent unauthorized entrance, vandalism, theft, and similar violations of security.

1. Storage: Where materials and equipment must be stored, and are of value or attractive for theft, provide secure lockup. Enforce discipline in connection with

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the installation and release of material to minimize opportunity for theft and vandalism.

E. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction in ways and by methods that comply with environmental regulations, and minimize possibility that air, waterways and subsoil might be contaminated or polluted, or that other undesirable effects might result. Avoid use of tools and equipment which produce harmful noise. Restrict use of noise making tools and equipment to hours that will minimize complaints from persons or firms near site.

END OF SECTION 01 50 00

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SECTION 01 60 00 - PRODUCT REQUIREMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and other Division 01 Specification Sections apply to this Section.

1.2 SUMMARY

A. This Section specifies administrative and procedural requirements governing Contractor's selection of products for use in Project.

1. Multiple Prime Contracts: Provisions of this Section apply to construction activities of each prime Contractor.

B. Related Requirements:

1. Division 01 Section "References" for applicable industry standards for products specified.
2. Division 01 Section "Submittal Procedures" specifies requirements for submittal of the Contractor's Construction Schedule and the Submittal Schedule.

1.3 DEFINITIONS

A. Products: Items obtained for incorporating into the Work, whether purchased for Project or taken from previously purchased stock. The term "product" includes the terms "material," "equipment," "system," and terms of similar intent.

B. Definitions used in this Article are not intended to change meaning of other terms used in Contract Documents, such as "specialties," "systems," "structure," "finishes," "accessories," and similar terms. Such terms such are self-explanatory and have well recognized meanings in construction industry.

a. Named Products: Items identified by manufacturer's product name, including make or model number or other designation shown or listed in manufacturer's published product literature that is current as of date of the Contract Documents.
b. New Products: Items that have not previously been incorporated into another project or facility. Products salvaged or recycled from other projects are not considered new products.
c. Comparable Product: Product that is demonstrated and approved by Engineer through submittal process to have the indicated qualities related

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to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics that equal or exceed those of specified product.

2. **"Materials"** are products that are substantially shaped, cut, worked, mixed, finished, refined or otherwise fabricated, processed, or installed to form part of Work.
3. **"Equipment"** is a product with operational parts, whether motorized or manually operated, that requires service connections such as wiring or piping.

1.4 ACTION SUBMITTALS

A. Comparable Product Request Submittal: Submit request for consideration of each comparable product. Identify basis-of-design product or fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers and titles.

1. Include data to indicate compliance with the requirements specified in "Comparable Products" Article.
2. Engineer's Action: If necessary, Engineer will request additional information or documentation for evaluation within 7 days of receipt of a comparable product request. Engineer will notify Contractor of approval or rejection of proposed comparable product request within 7 days of receipt of request, or 7 days of receipt of additional information or documentation, whichever is later.

    a. Form of Engineer's Approval of Submittal: As specified in Division 01, Section "Submittal Procedures."
    b. Use product specified if Engineer does not issue a decision on use of a comparable product request within time allocated.

1.5 QUALITY ASSURANCE

A. Compatibility of Options: If Contractor is given option of selecting between two or more products for use on Project, select product compatible with products previously selected, even if previously selected products were also options.

1. Each contractor is responsible for providing products and construction methods compatible with products and construction methods of other contractors.
2. If a dispute arises between contractors over concurrently selectable but incompatible products, Engineer will determine which products shall be used.

B. Identification of Products: Except for required labels and operating data, do not attach or imprint manufacturer or product names or trademarks on exposed surfaces of products or equipment that will be exposed to view in occupied spaces or on the exterior.

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1. Labels: Locate required product labels and stamps on a concealed surface, or, where required for observation following installation, on a visually accessible surface that is not conspicuous.
2. Equipment Nameplates: Provide a permanent nameplate on each item of service-connected or power-operated equipment. Locate on a visually accessible but inconspicuous surface. Include information essential for operation, including the following:

    a. Name of product and manufacturer.
    b. Model and serial number.
    c. Capacity.
    d. Speed.
    e. Ratings.

1.6 PRODUCT DELIVERY, STORAGE, AND HANDLING

A. Deliver, store, and handle products using means and methods that will prevent damage, deterioration, and loss, including theft and vandalism. Comply with manufacturer's written instructions.

B. Delivery and Handling:

1. Schedule delivery to minimize long-term storage at Project site and to prevent overcrowding of construction spaces.
2. Coordinate delivery with installation time to ensure minimum holding time for items that are flammable, hazardous, easily damaged, or sensitive to deterioration, theft, and other losses.
3. Deliver products to Project site in an undamaged condition in manufacturer's original sealed container or other packaging system, complete with labels and instructions for handling, storing, unpacking, protecting, and installing.
4. Inspect products on delivery to determine compliance with the Contract Documents and to determine that products are undamaged and properly protected.

C. Storage:

1. Store products to allow for inspection and measurement of quantity or counting of units.
2. Store materials in a manner that will not endanger Project structure.
3. Store products that are subject to damage by the elements, under cover in a weathertight enclosure above ground, with ventilation adequate to prevent condensation.
4. Protect foam plastic from exposure to sunlight, except to extent necessary for period of installation and concealment.
5. Comply with product manufacturer's written instructions for temperature, humidity, ventilation, and weather-protection requirements for storage.
6. Protect stored products from damage and liquids from freezing.

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7. Provide a secure location and enclosure at Project site for storage of materials and equipment by Owner's construction forces. Coordinate location with Owner.

1.7 PRODUCT WARRANTIES

A. Warranties specified in other Sections shall be in addition to, and run concurrent with, other warranties required by the Contract Documents. Manufacturer's disclaimers and limitations on product warranties do not relieve Contractor of obligations under requirements of the Contract Documents.

1. Manufacturer's Warranty: Written warranty furnished by individual manufacturer for a particular product and specifically endorsed by manufacturer to Owner.
2. Special Warranty: Written warranty required by the Contract Documents to provide specific rights for Owner.

B. Special Warranties: Prepare a written document that contains appropriate terms and identification, ready for execution.

1. Manufacturer's Standard Form: Modified to include Project-specific information and properly executed.
2. Specified Form: When specified forms are included with the Specifications, prepare a written document using indicated form properly executed.
3. See other Sections for specific content requirements and particular requirements for submitting special warranties.

C. Submittal Time: Comply with requirements in Section "Closeout Procedures."

PART 2 - PRODUCTS

2.1 PRODUCT SELECTION

A. General Product Requirements: Provide products that comply with Contract Documents, that are undamaged and, unless otherwise indicated, new at time of installation.
1. Provide products complete with all accessories, trim, finish, safety guards and other devices and details needed for complete installation and for intended use and effect.
2. Standard Products: Where available, provide standard products of types that have been produced and used successfully in similar situations on other projects.

B. Product Selection Procedures: Product selection is governed by Contract Documents and governing regulations, not by previous Project experience. Procedures governing product selection include following:

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1. Proprietary Specification Requirements: Where only a single product or manufacturer is named, provide product indicated. No substitutions will be permitted.
2. Semiproprietary Specification Requirements: Where 2 or more products or manufacturers are named, provide 1 of products indicated. No substitutions will be permitted.
3. Compliance with Standards, Codes and Regulations: Where Specifications only require compliance with an imposed code, standard or regulation, select product that complies with standards, codes or regulations specified.
4. Visual Matching: Where Specifications require matching an established Sample, Engineer/Architect's decision will be final on whether proposed product matches satisfactorily.
    a. Where no product available within specified category matches satisfactorily and complies with other specified requirements, comply with provisions of Contract Documents concerning "substitutions" for selection of matching product in another product category.
5. Visual Selection: Where specified product requirements include phrase "...as selected from manufacturer's standard colors, patterns, textures..." or similar phrase, select product and manufacturer that complies with other specified requirements. Engineer/Architect will select color, pattern and texture from product line selected.
6. Allowances: Refer to individual Specification Sections and "Allowance" provisions in Division 1 for allowances that control product selection, and for procedures required for processing such selections.

PART 3 - EXECUTION

3.1 INSTALLATION OF PRODUCTS:

A. Comply with manufacturer's instructions and recommendations for installation of products in applications indicated. Anchor each product securely in place, accurately located and aligned with other Work.

    1. Clean exposed surfaces and protect as necessary to ensure freedom from damage and deterioration at time of Substantial Completion.

END OF SECTION 01 60 00

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SECTION 01 73 00 – EXECUTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes general procedural requirements governing execution of the Work including, but not limited to, the following:

1. General installation of products.
2. Progress cleaning.
3. Protection of installed construction.
4. Correction of the Work.
5. Construction Phasing.
6. Maintaining public access through or adjacent to the Work.

B. Related Sections include the following:

1. Division 01 Section "Project Management and Coordination" for procedures for coordinating field engineering with other construction activities.
2. Division 01 Section "Submittal Procedures" for submitting surveys.
3. Division 01 Section "Cutting and Patching" for procedural requirements for cutting and patching necessary for the installation or performance of other components of the Work.
4. Division 01 Section "Closeout Procedures" for submitting final property survey with Project Record Documents, recording of Owner-accepted deviations from indicated lines and levels, and final cleaning.
5. Division 02 Section “Work Items” for coordinating restoration construction activities to maintain Owner’s operations during construction.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION

3.1 EXAMINATION

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A. Existing Conditions: The existence and location of site improvements, utilities, and other construction indicated as existing are not guaranteed. Before beginning work, investigate and verify the existence and location of mechanical and electrical systems and other construction affecting the Work.

B. Acceptance of Conditions: Examine substrates, areas, and conditions, with Installer or Applicator present where indicated, for compliance with requirements for installation tolerances and other conditions affecting performance. Record observations.

1. Verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.
2. Examine walls, floors, and roofs for suitable conditions where products and systems are to be installed.
3. Proceed with installation only after unsatisfactory conditions have been corrected. Proceeding with the Work indicates acceptance of surfaces and conditions.

3.2 PREPARATION

A. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:

1. Notify Engineer and Owner not less than two days in advance of proposed utility interruptions.
2. Do not proceed with utility interruptions without Engineer's and Owner's written permission.

B. Field Measurements: Take field measurements as required to fit the Work properly. Recheck measurements before installing each product. Where portions of the Work are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

3.3 INSTALLATION

A. General: Locate the Work and components of the Work accurately, in correct alignment and elevation, as indicated.

1. Make vertical work plumb and make horizontal work level.
2. Where space is limited, install components to maximize space available for maintenance and ease of removal for replacement.

B. Comply with manufacturer's written instructions and recommendations for installing products in applications indicated.

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C. Install products at the time and under conditions that will ensure the best possible results. Maintain conditions required for product performance until Substantial Completion.

D. Conduct construction operations so no part of the Work is subjected to damaging operations or loading in excess of that expected during normal conditions of occupancy.

E. Tools and Equipment: Do not use tools or equipment that produce harmful noise levels.

F. Anchors and Fasteners: Provide anchors and fasteners as required to anchor each component securely in place, accurately located and aligned with other portions of the Work.

1. Mounting Heights: Where mounting heights are not indicated, mount components at heights directed by Engineer.
2. Allow for building movement, including thermal expansion and contraction.

G. Joints: Make joints of uniform width. Where joint locations in exposed work are not indicated, arrange joints for the best visual effect. Fit exposed connections together to form hairline joints.

H. Hazardous Materials: Use products, cleaners, and installation materials that are not considered hazardous.

3.4 PROGRESS CLEANING

A. General: Clean Project site and work areas daily, including common areas. Coordinate progress cleaning for joint-use areas where more than one installer has worked. Enforce requirements strictly. Dispose of materials lawfully.

1. Comply with requirements in NFPA 241 for removal of combustible waste materials and debris.
2. Do not hold materials more than 7 days during normal weather or 3 days if the temperature is expected to rise above 80 deg F (27 deg C).
3. Containerize hazardous and unsanitary waste materials separately from other waste. Mark containers appropriately and dispose of legally, according to regulations.

B. Site: Maintain Project site free of waste materials and debris.

C. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.

1. Remove liquid spills promptly.
2. Where dust would impair proper execution of the Work, broom-clean or vacuum the entire work area, as appropriate.

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D. Installed Work: Keep installed work clean. Clean installed surfaces according to written instructions of manufacturer or fabricator of product installed, using only cleaning materials specifically recommended. If specific cleaning materials are not recommended, use cleaning materials that are not hazardous to health or property and that will not damage exposed surfaces.

E. Concealed Spaces: Remove debris from concealed spaces before enclosing the space.

F. Exposed Surfaces: Clean exposed surfaces and protect as necessary to ensure freedom from damage and deterioration at time of Substantial Completion.

G. Cutting and Patching: Clean areas and spaces where cutting and patching are performed. Completely remove paint, mortar, oils, putty, and similar materials.

1. Thoroughly clean piping, conduit, and similar features before applying paint or other finishing materials. Restore damaged pipe covering to its original condition.

H. Waste Disposal: Burying or burning waste materials on-site will not be permitted. Washing waste materials down sewers or into waterways will not be permitted.

I. During handling and installation, clean and protect construction in progress and adjoining materials already in place. Apply protective covering where required to ensure protection from damage or deterioration at Substantial Completion.

J. Clean and provide maintenance on completed construction as frequently as necessary through the remainder of the construction period. Adjust and lubricate operable components to ensure operability without damaging effects.

3.5 PROTECTION OF INSTALLED CONSTRUCTION

A. Provide final protection and maintain conditions that ensure installed Work is without damage or deterioration at time of Substantial Completion.

B. Comply with manufacturer's written instructions for temperature and relative humidity.

3.6 CORRECTION OF THE WORK

A. Repair or remove and replace defective construction. Restore damaged substrates and finishes. Comply with requirements in Division 01 Section "Cutting and Patching."

1. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment.

B. Restore permanent facilities used during construction to their specified condition.

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C. Remove and replace damaged surfaces that are exposed to view if surfaces cannot be repaired without visible evidence of repair.

D. Repair components that do not operate properly. Remove and replace operating components that cannot be repaired.

E. Remove and replace chipped, scratched, and broken glass or reflective surfaces.

END OF SECTION 01 73 00

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SECTION 01 77 00 - CLOSEOUT PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and other Division 1 Specification Sections apply to this Section.

1.2 SUMMARY

A. This Section specifies administrative and procedural requirements for project closeout, including but not limited to:

1. Inspection procedures.
2. Submittal of warranties.
3. Final cleaning.

B. Closeout requirements for specific construction activities are included in appropriate Sections in Divisions 2 through 22.

1.3 SUBSTANTIAL COMPLETION

A. Preliminary Procedures: Before requesting inspection for certification of Substantial Completion, complete following. List exceptions in request.

1. In Application for Payment that coincides with, or first follows, date Substantial Completion is claimed, show 100% completion for portion of Work claimed as substantially complete. Include supporting documentation for completion as indicated in these Contract Documents and statement showing an accounting of changes to Contract Sum.

    a. If 100% completion cannot be shown, include list of incomplete items, value of incomplete construction, and reasons Work is not complete.

2. Advise Owner of pending insurance change-over requirements.
3. Submit specific warranties, workmanship bonds, maintenance agreements, final certifications, and similar documents.
4. Obtain and submit releases enabling Owner unrestricted use of Work and access to services and utilities; include occupancy permits, operating certificates and similar releases.
5. Deliver tools, spare parts, extra stock, and similar items.
6. Make final change-over of permanent locks and transmit keys to Owner. Advise Owner's personnel of change-over in security provisions.

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7. Complete start-up testing of systems, and instruction of Owner's operating and maintenance personnel. Discontinue or change over and remove temporary facilities from site, along with construction tools, mock-ups, and similar elements.
8. Complete final clean up requirements, including touch-up painting. Touch-up and otherwise repair and restore marred exposed finishes.

B. Inspection Procedures: On receipt of request for inspection, Engineer/Architect will either proceed with inspection or advise Contractor of unfilled requirements. Engineer/Architect will prepare Certificate of Substantial Completion following inspection or advise Contractor of construction that must be completed or corrected before certificate will be issued.

1. Engineer/Architect will repeat inspection when requested and assured that Work has been substantially completed.
2. Engineer/Architect will provide one repeat inspection under its contract with Owner. Subsequent inspections shall be at Contractor's expense.
3. Results of completed inspection will form basis of requirements for final acceptance.

1.4 FINAL ACCEPTANCE

A. Preliminary Procedures: Before requesting final inspection for certification of final acceptance and final payment, complete the following. List exceptions in request.

1. Submit final payment request with releases and supporting documentation not previously submitted and accepted. Include certificates of insurance for products and completed operations where required.
2. Submit an updated final statement, accounting for final additional changes to Contract Sum.
3. Submit certified copy of Engineer/Architect's final inspection list of items to be completed or corrected, stating that each item has been completed or otherwise resolved for acceptance, and list has been endorsed and dated by Engineer/Architect.
4. Submit final meter readings for utilities, measured record of stored fuel, and similar data as of date of Substantial Completion, or when Owner took possession of and responsibility for corresponding elements of Work.
5. Submit consent of surety to final payment.
6. Submit final liquidated damages settlement statement.
7. Submit evidence of final, continuing insurance coverage complying with insurance requirements.

B. Reinspection Procedure: Engineer/Architect will reinspect Work upon receipt of notice that Work, including inspection list items from earlier inspections, has been completed, except items whose completion has been delayed because of circumstances acceptable to Engineer/Architect.

1. Engineer/Architect will provide one repeat inspection under its contract with Owner. Subsequent inspections shall be at Contractor's expense.

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2. Upon completion of reinspection, Engineer/Architect will prepare certificate of final acceptance, or advise Contractor of Work that is incomplete or of obligations that have not been fulfilled but are required for final acceptance.
3. If necessary, reinspection will be repeated.

C. It is expected that final acceptance will occur within two (2) months of substantial completion.

PART 2 - PRODUCTS (NOT APPLICABLE).

PART 3 - EXECUTION

3.1 CLOSEOUT PROCEDURES

A. Operating and Maintenance Instructions: Arrange for each installer of equipment that requires regular maintenance to meet with Owner's personnel to provide instruction in proper operation and maintenance. If installers are not experienced in procedures, provide instruction by manufacturer's representatives. Include detailed review of following items:

1. Maintenance manuals.
2. Record documents, including all final surveys.
3. Cleaning.
4. Warranties and bonds.
5. Maintenance agreements and similar continuing commitments.

END OF SECTION 01 77 00

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SECTION 01 78 39 - PROJECT RECORD DOCUMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements for Project Record Documents, including the following:

1. Record Drawings.
2. Record Specifications.
3. Record Product Data.

B. Related Requirements:
1. Division 01, Section "Execution" for final property survey.
2. Division 01, Section "Closeout Procedures" for general closeout procedures.

1.3 CLOSEOUT SUBMITTALS

A. Record Drawings: Comply with the following:
1. Number of Copies: Submit copies of Record Drawings as follows:

a. Final Submittal:
1) Submit PDF electronic files of scanned record prints.

B. Record Specifications: Submit annotated PDF electronic files of Project's Specifications, including addenda and contract modifications.

C. Record Product Data: Submit annotated PDF electronic files and directories of each submittal.

D. Reports: Submit written report indicating items incorporated into project record documents concurrent with progress of the Work, including revisions, concealed conditions, field changes, product selections, and other notations incorporated.

1.4 RECORD DRAWINGS

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A. Record Prints: Maintain one set of marked-up paper copies of the Contract Drawings and Shop Drawings, incorporating new and revised drawings as modifications are issued.

1. Preparation: Mark record prints to show the actual installation where installation varies from that shown originally. Require individual or entity who obtained record data, whether individual or entity is Installer, subcontractor, or similar entity, to provide information for preparation of corresponding marked-up record prints.

    a. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later.
    b. Accurately record information in an acceptable drawing technique.
    c. Record data as soon as possible after obtaining it.
    d. Record and check the markup before enclosing concealed installations.
    e. Cross-reference record prints to corresponding photographic documentation.

2. Content: Types of items requiring marking include, but are not limited to, the following:

    a. Dimensional changes to Drawings.
    b. Revisions to details shown on Drawings.
    c. Depths of foundations.
    d. Locations and depths of underground utilities.
    e. Revisions to routing of piping and conduits.
    f. Revisions to electrical circuitry.
    g. Actual equipment locations.
    h. Duct size and routing.
    i. Locations of concealed internal utilities.
    j. Changes made by Change Order.
    k. Changes made following Engineer/Architect's written orders.
    l. Details not on the original Contract Drawings.
    m. Field records for variable and concealed conditions.
    n. Record information on the Work that is shown only schematically.
    o. Actual location and quantity of unit price items of the Work.

3. Mark the Contract Drawings and Shop Drawings completely and accurately. Use personnel proficient at recording graphic information in production of marked-up record prints.
4. Mark record sets with erasable, red-colored pencil. Use other colors to distinguish between changes for different categories of the Work at same location.
5. Mark important additional information that was either shown schematically or omitted from original Drawings.
6. Note Construction Change Directive numbers, alternate numbers, Change Order numbers, and similar identification, where applicable.

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B. Record Digital Data Files: Immediately before inspection for Certificate of Substantial Completion, review marked-up Record Prints with Engineer/Architect. When authorized, prepare a full set of corrected digital data files of the Contract Drawings, as follows:
   1. Format: Annotated PDF electronic file.
   2. Incorporate changes and additional information previously marked on Record Prints. Delete, redraw, and add details and notations where applicable.
   3. Refer instances of uncertainty to Engineer/Architect for resolution.

C. Format: Identify and date each Record Drawing; include the designation "PROJECT RECORD DRAWING" in a prominent location.
   1. Format: Annotated PDF electronic file.
   2. Identification: As follows:

      a. Project name.
      b. Date.
      c. Designation "PROJECT RECORD DRAWINGS."
      d. Name of Engineer/Architect.
      e. Name of Contractor.

1.5 RECORD SPECIFICATIONS

A. Preparation: Mark Specifications to indicate the actual product installation where installation varies from that indicated in Specifications, addenda, and contract modifications.

   1. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
   2. Mark copy with the proprietary name and model number of products, materials, and equipment furnished, including substitutions and product options selected.
   3. Record the name of manufacturer, supplier, Installer, and other information necessary to provide a record of selections made.
   4. For each principal product, indicate whether Record Product Data has been submitted in operation and maintenance manuals instead of submitted as Record Product Data.
   5. Note related Change Orders, Record Drawings, record Product Data, and record Drawings where applicable.

B. Format: Submit record Specifications as annotated PDF electronic file.

1.6 RECORD PRODUCT DATA

A. Recording: Maintain one copy of each submittal during the construction period for project record document purposes. Post changes and revisions to project record documents as they occur; do not wait until end of Project.

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B. Preparation: Mark Product Data to indicate the actual product installation where installation varies substantially from that indicated in Product Data submittal.

1. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
2. Include significant changes in the product delivered to Project site and changes in manufacturer's written instructions for installation.
3. Note related Change Orders, record Specifications, record Drawings, and Product Data where applicable.

C. Format: Submit record Product Data as annotated PDF electronic file.

1. Include record Product Data directory organized by Specification Section number and title, electronically linked to each item of record Product Data.

1.7 MISCELLANEOUS RECORD SUBMITTALS

A. Assemble miscellaneous records required by other Specification Sections for miscellaneous record keeping and submittal in connection with actual performance of the Work. Bind or file miscellaneous records and identify each, ready for continued use and reference.

B. Format: Submit miscellaneous record submittals as PDF electronic file.

1. Include miscellaneous record submittals directory organized by Specification Section number and title, electronically linked to each item of miscellaneous record submittals.

1.8 MAINTENANCE OF RECORD DOCUMENTS

A. Maintenance of Record Documents and Samples: Store Record Documents and Samples in the field office apart from the Contract Documents used for construction. Do not use Project Record Documents for construction purposes. Maintain Record Documents in good order and in a clean, dry, legible condition, protected from deterioration and loss. Provide access to Project Record Documents for Engineer/Architect's reference during normal working hours.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION (NOT APPLICABLE)

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SECTION 02 00 10 - WORK ITEMS

PART 1 - GENERAL

RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections apply to this Section.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION

WI 1.0 GENERAL REQUIREMENTS

A. Scope of Work

1. Work consists of performing all tasks, specifically required and incidental, which are not identified under separate Work Item designation, but necessary to perform the work identified in this project. This work includes, but is not limited to the following items:

WI 1.1 - Mobilization
WI 1.2 - Concrete Formwork
WI 1.3 - Concrete Shores and Reshores
WI 1.4 - Concrete Reinforcement
WI 1.5 - Temporary Signage
WI 1.9 - Cranes/Lifts

WI 1.1 PROJECT MOBILIZATION

A. Scope of Work

1. Work consists of coordinating, scheduling, obtaining and assembling at construction site all equipment, materials, permits, supplies, manpower and other essentials and incidentals necessary to perform Work defined in this Contract. Payment of lump sum amount for mobilization shall be according to following schedule and shall be based on percentage of original contract amount earned.

B. Materials

1. None

C. Execution

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1. At execution of agreement by all parties, mobilization payment shall not be more than 25% of mobilization lump sum amount.
2. When billing amount earned is greater than 10% but less than 25% of original contract amount, total payment for mobilization shall not be more than 50% of mobilization lump sum amount.
3. When billing amount earned is equal to or greater than 25% but less than 50% of original contract amount, total payment for mobilization shall not be more than 75% of mobilization lump sum amount.
4. When billing amount earned is equal to or greater than 50% of original contract amount, total payment for mobilization shall be 100% of mobilization lump sum amount.

WI 1.2 CONCRETE FORMWORK

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to install formwork as required for cast-in-place concrete.

B. Materials

1. Forms for Exposed Finish Concrete: Plywood, metal, metal-framed plywood faced, or other acceptable panel-type materials, to provide continuous, straight, smooth, exposed surfaces. Furnish in largest practicable sizes to minimize number of joints and to conform to joint system shown on Drawings.

    a. Use overlaid plywood complying with U.S. Product Standard PS-1 "A-C or B-B High Density Overlaid Concrete Form," Class I
    b. Use plywood complying with U.S. Product Standard PS-1 "B-B (Concrete Form) Plywood," Class I, Exterior Grade or better, mill-oiled and edge-sealed, with each piece bearing legible inspection trademark.

2. Forms for Unexposed Finish Concrete: Plywood, lumber, metal, or other acceptable material. Provide lumber dressed on at least 2 edges and one side for tight fit.
3. Form Coatings: Provide commercial formulation form-coating compounds with a maximum VOC meeting local requirements that will not bond with, stain, or adversely affect concrete surfaces and will not impair subsequent treatments of concrete surfaces, including but not limited to water-curing, curing compound, stains, or paints.
4. Form Ties: Factory-fabricated, adjustable-length, removable or snap-off metal form ties, designed to prevent form deflection and to prevent spalling concrete upon removal. Provide units that will leave no metal closer than 1.5 in. to exposed surface.

    a. Provide ties that, when removed, will leave holes not larger than 1.0 in. diameter in concrete surface.

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5. Shores:

    a. Nail Ellis clamps, if used with wood shores, to shores with minimum of two nails to prevent slipping.
    b. Wedges: Hardwood or steel. Softwood wedges prohibited.

C. Execution

1. Work shall conform to requirements of latest edition of ACI 301 “Standard Specifications for Structural Concrete,” ACI 302.1 R “Guide for Concrete Floor Slab Construction,” ACI 318 “Building Code Requirements for Reinforced Concrete,” and ACI 347 “Recommended Practice for Concrete Formwork” except as modified by the following paragraphs.
2. Store all formwork and formwork materials clear of ground, protected, so as to preclude damage.
3. Construct forms to sizes, shapes, lines, and dimensions shown and to obtain accurate alignment, location, grades, level, and plumb work in finished structures. Provide for openings, offsets, sinkages, keyways, recesses, moldings, rustications, reglets, chamfers, blocking, screeds, bulkheads, anchorages and inserts, and other features required in work. Use selected materials to obtain required finishes. Solidly butt joints and provide backup at joints to prevent leakage of cement paste.
4. Fabricate forms for easy removal without hammering or prying against concrete surfaces. Provide crush plates or wrecking plates where stripping may damage cast concrete surfaces. Provide top forms for inclined surfaces where slope is too steep to place concrete with bottom forms only. Kerf wood inserts for forming keyways, reglets, recesses, and the like, for easy removal.
5. Provide temporary openings where interior area of formwork is inaccessible for cleanout, for inspection before concrete placement, and for placement of concrete. Securely brace temporary openings and set tightly to forms to prevent loss of concrete mortar. Locate temporary openings in forms at inconspicuous locations.
6. Chamfer exposed corners and edges as indicated, using wood, metal, PVC, or rubber chamfer strips fabricated to produce uniform smooth lines and tight edge joints.
7. Provisions for Other Trades: Provide openings in concrete formwork to accommodate work of other trades. Determine size and location of openings, recesses, and chases from trades providing such items. Accurately place and securely support items built into forms.
8. Cleaning and Tightening: Thoroughly clean forms and adjacent surfaces to receive concrete. Remove chips, wood, sawdust, dirt, or other debris just before concrete is placed. Retighten forms and bracing before concrete placement as required to prevent mortar leaks and maintain proper alignment.
9. Set edge forms or bulkheads and intermediate screed strips for slabs to obtain required elevations and contours in finished slab surface. Provide and secure units sufficiently strong to support types of screed strips by use of strike-off templates or accepted compacting type screeds.
10. Coat contact surfaces of forms with accepted, nonresidual, low-VOC form-coating compound before reinforcement is placed.

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11. Coat steel forms with non-staining, rust-preventive form oil or otherwise protect against rusting. Rust-stained steel formwork not acceptable.
12. For post-tensioned concrete, formwork shall remain in place until post-tensioning has been completed. Do not place additional loads on structure until concrete has been properly reshored.
13. For non-post-tensioned concrete, formwork shall remain in place until concrete has reached minimum two-thirds of 28-day strength. Do not place additional loads on structure until concrete has been properly reshored.
14. Clean and repair surfaces of forms to be re-used in Work. Split, frayed, delaminated or otherwise damaged form facing material will not be acceptable for exposed surfaces. Apply new form coating compound as specified for new formwork.
15. When forms are extended for successive concrete placement, thoroughly clean surfaces, remove fins and laitance, and tighten forms to close joints. Align and secure joint to avoid offsets. Do not use "patched" forms for exposed concrete surfaces, except as acceptable to Engineer/Architect.

WI 1.3 CONCRETE SHORES AND RESHORES

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to install temporary shoring and to maintain shores in place until Work requiring shores is complete and associated concrete has properly cured.

B. Materials

1. Shores shall be steel, rated at a minimum allowable load of 4,500 lb at 12 ft extension or steel shoring towers rated at a minimum allowable load of 40,000 lbs per four leg tower (based on two 20,000 lb crossed braced frames.).

C. Execution

1. Comply with ACI 301 and ACI 347 for shoring and reshoring in multi-story construction, except as modified in this Section.
2. For purpose of calculations: Construction Load = 50 psf; Dead Load = 85 psf for the floor slab plus the dead load of beams and girders.
3. Shore/Reshore loads on the structure shall not exceed 40 psf distributed load on the slab, and concentrated loads shall not exceed posted wheel loads or 2,000 lbs., whichever is less. Concentrated bearing pressures shall not exceed 1,200 psi.
4. Shore/Reshore loads on concrete slab-on-grade shall be distributed by steel grillage or timber grillage so as not to exceed soil bearing capacity or 1,500 psf, whichever is smaller.
5. Shore/Reshore loads on asphalt slab-on-grade shall be distributed by steel grillage so as not to exceed asphalt/soil bearing capacity, with consideration of reduced asphalt bearing capacity during extreme hot weather.

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6. Shore/Reshore loads shall be distributed horizontally and/or distributed to more than one level to meet shore/reshore load limitations.
7. Shore/Reshore loads shall be distributed to multiple framing members (beams/joists/double tee stems) and extend beyond the immediate work area to ensure proper distribution of loads throughout the structure.
8. Prior to installation of shores, Contractor shall submit shoring scheme prepared and sealed by Licensed Structural Engineer in Illinois.
9. Engineer/Architect will review shoring scheme for general conformance to requirements stated herein. If it does not conform, Contractor will be informed to resubmit another shoring scheme. See requirements of Division 01 Section "Submittal Procedures," Part 1.5.C. heading, "Submittal Administrative Requirements," for limits to resubmittals.
10. Remove shores and reshore in planned sequence to avoid damage to partially cured concrete. Locate and provide adequate reshoring to safely support Work without excessive stress or deflection.
11. Keep reshores in place as required until heavy loads due to construction operations have been removed.
12. If during construction, modifications are necessary to accommodate other trades, revise and resubmit erection plan to Engineer/Architect for review.

WI 1.4 CONCRETE REINFORCEMENT

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to fabricate and install all mild steel reinforcement and epoxy coated reinforcement.

B. Materials

1. Reinforcement materials shall be as specified in ACI 301 "Standard Specifications for Structural Concrete."
2. Welded wire reinforcement: provide mats only. Roll stock prohibited.
3. Epoxy Coating Materials for Reinforcement: ASTM A775 and A884:
4. Supplier shall be certified currently under CRSI Fusion Bonded Epoxy Coating Applicator Plant Certification Program.
5. Provide one of following epoxy coatings for reinforcement and steel accessories as noted on the Drawings:

    a. "Scotchkote 413," by 3M Company, St. Paul, MN.
    b. "Nap-Gard 7-2719," by Axalta Coating Systems LLC.

6. Use patching material recommended by epoxy powder manufacturer, compatible with epoxy coating and inert in concrete. Acceptable materials are as follows:

    a. "Scotchkote 413/215," by 3M Company, St. Paul, MN.
    b. "MasterEmaco P124," by Master Builders Solutions, Shakopee, MN.
    c. "Duralprep AC," by The Euclid Chemical Company, Cleveland, OH.

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d. “Sika Armatec 110 EpoCem,” by Sika Corporation, Lyndhurst NJ.

7. Corrosion Inhibiting Coating for Existing Exposed Non-prestressed Steel Reinforcement or Welded wire reinforcement:

a. “MasterEmaco ADH 326,” by Master Builders Solutions, Shakopee, MN.
b. “Euco 452”, or “Duralcrete Series” by The Euclid Chemical Company, Cleveland, OH.
c. “Sikadur 32 Hi-Mod LPL," by Sika Corporation, Lyndhurst, NJ.
d. “Sika Armatec 110 EpoCem,” by Sika Corporation, Lyndhurst NJ.

C. Execution

1. Work shall conform to requirements of latest edition of ACI 301 “Standard Specifications for Structural Concrete,” ACI 315 “Details and Detailing of Concrete Reinforcement,” ACI 318 “Building Code Requirements for Reinforced Concrete,” and Concrete Reinforcing Steel Institute (CRSI), “Manual of Standard Practice.”
2. Submittals required include: Product data for proprietary materials and items, including reinforcement and forming accessories, admixtures, patching compounds, waterstops, joint systems, curing compounds, and others as requested by Engineer/Architect including, but not limited to:

a. Manufacturer's product data and installation instructions for proprietary form coatings, manufactured form systems, ties, and accessories.
b. Steel producer's certificates of mill analysis, tensile tests, and bend tests.
c. Manufacturer's product data, specifications, and installation instructions for proprietary materials, welded and mechanical splices, and reinforcement accessories.
d. Corrosion Inhibitor for Reinforcement:

1) Written certification from coating manufacturer that coating resin for reinforcement has been approved by National Bureau of Standards.
2) Written information from coating manufacturer on proper use and application of coating resin.
3) Coating applicator's written certification of results of quality control program.

e. Submit all materials and methods for concrete curing to Engineer/Architect for approval before beginning concreting Work. Include certification of curing compound allowable moisture loss.

3. Store concrete reinforcement materials at site to prevent damage and accumulation of dirt or excessive rust.
4. Epoxy Coated Reinforcement:

a. Contact areas of handling and hoisting systems shall be padded or be made of nylon or other acceptable material.
b. Use spreader bars to lift bundles of coated steel to prevent bar-to-bar abrasion.

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c. Pad bundling bands or fabricate of nylon or other acceptable material.
d. Store coated steel on padded or wooden cribbing.
e. Do not drag coated steel members.
f. After placement, restrict traffic on coated steel to prevent damage.

5. Reinforcement with any of following defects will be rejected:

a. Lengths, depths and bends exceeding CRSI fabrication tolerances.
b. Bends or kinks not indicated on Drawings or final Shop Drawings.
c. Reduced cross-section due to excessive rusting or other cause.

6. General: Comply with Concrete Reinforcing Steel Institute's recommended practice for "Placing Reinforcing Bars," for details and methods of reinforcement placement and supports and as herein specified.

a. Avoiding cutting or puncturing vapor retarder during reinforcement placement and concreting operations.
b. Examine conditions under which concrete reinforcement is to be placed, and immediately notify Engineer/Architect in writing of unsatisfactory conditions. Do not proceed with Work until unsatisfactory conditions have been corrected in acceptable manner.
c. Clean reinforcement of loose rust and mill scale, earth, ice, and other materials that reduce or destroy bond with concrete.
d. Fabricate reinforcement to conform to required shapes and dimensions, with fabrication tolerances complying with CRSI MSP. In case of fabricating errors, do not re-bend or straighten reinforcement in manner that will injure or weaken material.
e. Bends in reinforcement are standard 90° bends unless noted otherwise.
f. Reinforcement with any of following defects will be rejected:

1) Lengths, depths and bends exceeding CRSI fabrication tolerances.
2) Bends or kinks not indicated on Drawings or final Shop Drawings.
3) Reduced cross-section due to excessive rusting or other cause.

g. Perform all welding of mild steel reinforcement, metal inserts and connections with low hydrogen welding electrodes in accordance with AWS D1.4.
h. Epoxy coated reinforcement: Fabricator and applicator to provide installer with written instructions to handle, store and place epoxy coated reinforcement to prevent damage to coating.
i. Comply with ACI 301, Chapter 3 for placing reinforcement.
j. Use rebar chairs and accessories to hold all reinforcing positively in place. Provide rebar chairs at all formed surfaces, both vertical and horizontal, to maintain minimum specified cover. Set wire ties so ends are directed into concrete, not toward exposed concrete surfaces. Maximum spacing of chairs and accessories shall be per CRSI Manual of Standard Practice. In situations not covered by CRSI, provide support at 4 ft on center maximum each way.

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k. Install welded wire reinforcement in as long lengths as practicable. Lap adjoining pieces at least one full mesh and lace splices with wire. Offset laps of adjoining widths to prevent continuous laps in either direction.

l. Splices:

1) Provide standard reinforcement splices by lapping ends, placing bars in contact, and tying tightly with wire. Comply with requirements of ACI 318 for minimum lap of spliced bars.

2) For mechanical tension splices of reinforcement:

a) Column bar lengths shall not exceed 30 ft between splices. In any bar, no splices shall occur at any floor level.

b) Exercise care to assure that no reduction of cross-sectional area of reinforcement occurs.

c) Use Barsplice Products, Inc., Bar-Grip or Grip-Twist, NMB Splice Sleeve, or Erico LENTON splices.

d) For all mechanical splices, perform splicing in strict accordance with manufacturer's requirements and instructions.

e) All splices to develop 125% of specified yield strength of bars, or of smaller bar in transition splices.

f) Stagger splices in adjacent bars.

g) Except where shown on Drawings, welding of reinforcement prohibited without prior written authorization by Engineer/ Architect.

3) Compression splices: Mechanically coupled splices in accordance with ACI 318.

m. Epoxy Coated Reinforcement:

1) Rest epoxy coated steel members supported from formwork on coated wire bar supports, or on bar supports made of dielectric material or other suitable material.

2) Coat wire bar supports with dielectric material for minimum distance of 2 in. from point of contact with coated steel member.

3) Fasten epoxy-coated steel members with nylon-, epoxy-, or plastic-coated tie wire, or other suitable material acceptable to Engineer/Architect.

4) Mechanical connections, when required, shall be installed in accordance with splice device manufacturer's recommendations. Repair any damage to coating.

5) All parts of mechanical connections on epoxy-coated steel, including steel splice sleeves, bolts, and nuts shall be coated with same material used for repair of coating damage.

6) Do not cut epoxy-coated steel unless permitted by Engineer/ Architect. When cut, coat ends with material used for repair of coating damage.

7) All welding of epoxy-coated steel shall conform to AWS D1.4.

8) Adequate ventilation shall be provided when welding epoxy-coated steel.

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9) After welding, repair coating damage.

WI 1.5 TEMPORARY SIGNAGE

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment and supervision necessary to provide and install and remove following completion of project, temporary signage as required for traffic control and user information during construction and as required by Owner/Engineer/Architect.

B. Materials

1. Temporary signage shall meet following minimum requirements:

a. Minimum size: 48” x 48”
b. Backing material: 0.5 in. medium density overlay plywood.
c. Colors:

1) Background: medium orange or white.
2) Symbols/Lettering: black

d. Lettering: silk screened or die-cut.

1) Font Style: Helvetica or similar.
2) Size: 2 in. high minimum for pedestrian information; 4 in. high minimum for traffic information.

C. Execution

1. Mounting height: 5 ft. to bottom of sign. Provide mounting brackets as required.
2. Contractor shall submit shop drawings detailing sign size, layout, colors, and mounting schemes for approval prior to fabricating signs and mounting brackets.
3. Typical regulatory signs (that is, STOP, YIELD, etc.) and "Handicap" signs shall conform to all Federal, state, and local requirements for sizes, materials, and colors.

WI 1.9 CRANES/LIFTS

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision and incidentals necessary to provide, erect, maintain, operate and remove crane/lift equipment required for completing Work.

B. Materials

1. Cranes/lifts shall be capable of safely carrying out work.

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2. Contractor is responsible for all crane rigging work, and associated rigging engineering, required to complete Work.
3. Contractor is responsible for obtaining all permits to comply with requirements applicable at project site for operating cranes/lifts (including for example: street lane closure permits, sidewalk closure permits, etc.)

C. Execution

1. Crane/lift erection shall be coordinated with Owner for minimal impact on building operations.
2. Contractor shall submit to Owner and Engineer a detailed crane/lift action plan prior to proceeding for general conformance and informational purposes only.
3. Erect overhead protection/temporary signage/traffic control as required prior to crane/lift mobilization.

WI 2.0 FLOOR SURFACE PREPARATION

A. Scope of Work

1. This Work consists of furnishing all labor, materials, equipment, supervision and incidentals necessary to surface prepare the floor slab for painting of pavement markings.

B. Materials/Equipment

1. Pressure washer and water.

C. Execution

1. Pressure wash the slab on grade floor surfaces.

WI 2.1 PRESSURE WASH SOG

A. Work consists of furnishing all labor, materials, equipment, and incidentals necessary to pressure wash the slab on grade prior to painting pavement markings. Refer to Work Item 2.0, "Floor Surface Preparation" for procedure associated with this Work Item.

WI 3.0 CONCRETE FLOOR REPAIR

A. Scope of Work

1. This Work consists of furnishing all labor, materials, equipment, supervision and incidentals including shoring necessary to locate existing spalls, locate and remove delaminated and unsound floor concrete, prepare cavities and install new concrete and reinforcing (as required) materials to restore concrete floor to original condition and appearance. Refer to Detail Series 3.0 for specific requirements.

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B. Materials

1. Concrete repair materials shall be as specified in Division 03 Section "Cast-in-Place Concrete", and/or Division 03 Section "Prepackaged Repair Mortar".
2. Conventional steel reinforcement shall be as specified in Division 03 Section "Cast-in-Place Concrete", and/or Work Item 1.4, "Concrete Reinforcement."

C. Execution

1. Locating, marking, removal, preparation, and inspection of deteriorated concrete and reinforcing steel preparation, repair and installation shall be performed as specified in Division 02 Section "Surface Preparation for Patching and Overlay."
2. Final surface preparation, concrete placement, finishing and curing shall be performed as specified in concrete repair material specification. Manufacturer specifications/requirements for these issues shall also be followed in the event proprietary bag mix repair materials are used.

WI 3.1 FLOOR REPAIR - PRECAST

A. Refer to Work Item 3.0, "Concrete Floor Repair" for scope of Work, materials and Execution procedure associated with this Work Item. Refer to Detail 3.1 for specific requirements.

WI 3.1 FLOOR REPAIR – CAST-IN-PLACE

A. Refer to Work Item 3.0, "Concrete Floor Repair" for scope of Work, materials and Execution procedure associated with this Work Item. Refer to Detail 3.1 for specific requirements.

WI 3.3 FLOOR REPAIR - FULL DEPTH

A. Refer to Work Item 3.0, "Concrete Floor Repair" for Scope of Work, Material and Execution procedures associated with this Work Item. Refer to Detail 3.3 for specific requirements.

WI 3.4 FLOOR REPAIR – CURBS

A. Refer to Work Item 3.0, "Concrete Floor Repair" for Scope of Work, Material and Execution procedures associated with this Work Item. Refer to Detail 3.4 for specific requirements.

WI 3.9 FLOOR REPAIR – LIFTING LOOP

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A. Refer to Work Item 3.0, “Concrete Floor Repair” for Scope of Work, Material and Execution procedures associated with this Work Item. Refer to Detail 3.9 for specific requirements.

WI 3.10 STAIR NOSING REPAIR

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to locate existing spalled or delaminated stair nosing, removal of deteriorated and unsound concrete, prepare cavities, and install patching material to restore stair to serviceable condition. Refer to Detail 3.10 for specific requirements.

B. Materials

1. Shallow/small placements: Trowel applied patching material shall be specified in Division 03 Section “Prepackaged Repair Mortar.”
2. Deep/large placements: Concrete repair materials shall be as specified in Division 03 Section "Cast-in-Place Concrete”, and/or Division 03 Section “Prepackaged Repair Mortar”.
3. Dowels shall be stainless steel, Type 304, threaded set in approved epoxy.
4. High modulus, high strength epoxy paste resin adhesive with either rapid set or extended working time. Acceptable materials for this Work are:

    a. “MasterEmaco ADH 327,” or “MasterEmaco ADH 327 RS”, or “MasterEmaco ADH 1420,” or by Master Builders Solutions, Shakopee, MN.
    b. “Dural Fast Set Epoxies”, or “EUCO #452 Epoxy System”, by The Euclid Chemical Company, Cleveland, OH.
    c. “Sikadur 31, Hi-Mod Gel”, “Sikadur 32 Hi Mod”, “Sikadur Hi-Mod LPL”, or “Sikadur 33”, by Sika Corporation, Lyndhurst, NJ.
    d. Other types may be used only with Engineer/Architect's approval in writing prior to bidding.

C. Execution

1. Locating, marking, removal, preparation, and inspection of deteriorated floor surface concrete and reinforcing steel preparation, repair and installation shall be performed as specified in Division 02 Section "Surface Preparation for Patching and Overlay.”
2. Final surface preparation, concrete placement, finishing and curing shall be performed as specified in concrete repair material specification. Manufacturer specifications/requirements for these issues shall also be followed in the event proprietary bag mix repair materials are used.

WI 3.11 SLAB-ON-GRADE REPAIR

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A. Scope of Work

1. This Work consists of furnishing all labor, materials, equipment, supervision and incidentals including shoring necessary to locate existing spalls, locate and remove delaminated and unsound floor concrete, prepare cavities and install new concrete and reinforcing (as required) materials to restore concrete floor to original condition and appearance. Refer to Detail 3.11 for specific requirements.

B. Materials

1. Concrete repair materials shall be as specified in Section "Cast-in-Place Concrete", "Cast-in-Place Concrete.
2. Conventional steel reinforcement shall be as specified in Section "Cast-in-Place Concrete".

C. Execution

1. Locating, marking, removal, preparation, and inspection of deteriorated concrete and reinforcing steel preparation, repair and installation shall be performed as specified in Section "Surface Preparation for Concrete Placement".
2. Final surface preparation, concrete placement, finishing and curing shall be performed as specified in concrete repair material specification.

WI 3.12 SLAB-ON-GRADE REPAIR

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to locate and remove delaminated slab-on-grade concrete, re-establish subbase material, and install new concrete. Refer to Detail 3.12 for specific requirements.

B. Materials

1. Concrete repair materials shall be as specified in Division 03 Section "Cast-in-Place Concrete".
2. Conventional steel reinforcement shall be as specified in Division 03 Section "Cast-in-Place Concrete", and/or Work Item 1.4, "Concrete Reinforcement."

C. Execution

1. Locating, marking, removal, preparation, and inspection of deteriorated floor surface concrete and reinforcing steel preparation, repair and installation shall be performed as specified in Division 02 Section "Surface Preparation for Patching and Overlay."
2. Properly compact subbase as required. Provide new subbase material as necessary.

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3. Final surface preparation, concrete placement, finishing and curing shall be performed as specified in concrete repair material specification. Manufacturer specifications/requirements for these issues shall also be followed in the event proprietary bag mix repair materials are used.

WI 4.0 CONCRETE CEILING REPAIR

A. Scope of Work

1. This Work consists of furnishing all labor, materials, equipment, supervision, and incidentals including shoring necessary to locate existing spalls, locate and remove delaminated and unsound overhead concrete, prepare cavities, and install new concrete and reinforcing (as required) materials to restore overhead concrete to original condition and appearance. Refer to Detail Series 4.0 for specific requirements.

B. Materials

1. Trowel applied patching material shall be as specified in Division 03 Section "Prepackaged Repair Mortar." This material may be used for shallow removal and repair Work Items only.

C. Execution

1. Locating, marking, removal, preparation, and inspection of deteriorated concrete and reinforcing steel preparation, repair and installation shall be performed as specified in Division 02 Section "Surface Preparation for Patching and Overlay."
2. Final surface preparation, concrete placement, finishing and curing shall be performed as specified in concrete repair material specification. Manufacturer specifications/requirements on these issues shall also be followed in the event proprietary bag mix repair materials are used.

WI 4.1 CEILING REPAIR

A. Refer to Work Item 4.0, "Concrete Ceiling Repair" for Scope of Work, materials and procedure associated with this Work Item. Refer to Detail 4.1 for specific requirements.

WI 5.0 CONCRETE BEAM AND JOIST REPAIR

A. Scope of Work

1. This Work consists of furnishing all labor, materials, equipment, supervision, and incidentals including shoring necessary to locate existing spalls, locate and remove delaminated and unsound overhead concrete, prepare cavities and install new concrete and reinforcing (as required) materials to restore concrete beams and

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joists to original condition and appearance. Refer to Detail Series 5.0 for specific requirements.

B. Materials

1. Concrete repair materials shall be as specified in Division 03 Section “Prepackaged Repair Mortar”.
2. Conventional steel reinforcement shall be as specified in Division 03 Section “Cast-in-Place Concrete”, and/or Work Item 1.4, “Concrete Reinforcement.”
3. Trowel applied patching material shall be as specified in Division 03 Section "Prepackaged Repair Mortar." This material may be used for shallow removal and repair Work Items only.

C. Execution

1. Locating, marking, removal, preparation, and inspection of deteriorated concrete and reinforcing steel preparation, repair and installation shall be performed as specified in Division 02 Section "Surface Preparation for Patching and Overlay.” Install shoring at repair locations where required per the Construction Documents prior to starting removals.
2. Final surface preparation, concrete placement, finishing and curing shall be performed as specified in concrete repair material specification. Manufacturer specifications/requirements on these issues shall also be followed in the event proprietary bag mix repair materials are used.

WI 5.1 BEAM REPAIR - PRECAST

A. Refer to Work Item 5.0, "Concrete Beam and Joist Repair" for scope of Work, materials and procedure associated with this Work Item. Refer to Detail 5.1 for specific requirements.

WI 5.1 BEAM REPAIR – CAST-IN-PLACE

A. Refer to Work Item 5.0, "Concrete Beam and Joist Repair" for scope of Work, materials and procedure associated with this Work Item. Refer to Detail 5.1 for specific requirements.

WI 6.0 CONCRETE COLUMN REPAIR

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision and incidentals including shoring necessary to locate existing spalls, locate and remove delaminated and unsound concrete, prepare cavities and install concrete and reinforcing (as required) materials to restore concrete columns to original condition and appearance. Refer to Detail Series 6.0 for specific requirements.

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B. Materials
   1. Cast-in-place concrete repair materials shall be as specified in Division 03 Section “Prepackaged Repair Mortar”.
   2. Conventional steel reinforcement shall be as specified in Division 03 Section “Cast-in-Place Concrete”, and/or Work Item 1.4, “Concrete Reinforcement.”
   3. Trowel applied patching material shall be as specified in Division 03 Section "Prepackaged Repair Mortar." This material may be used for shallow removal and repair Work Items only.

C. Execution

   1. Locating, marking, removal ,preparation, and inspection of deteriorated concrete and reinforcing steel preparation, repair and installation shall be performed as specified in Division 02 Section "Surface Preparation for Patching and Overlay.” Install shoring at repair locations where required per the Construction Documents prior to starting removals.
   2. Final surface preparation, concrete placement, finishing and curing shall be performed as specified in concrete repair material specification. Manufacturer specifications/requirements on these issues shall also be followed in the event proprietary bag mix repair materials are used.

WI 6.1 COLUMN REPAIR

A. Refer to Work Item 6.0, "Concrete Column Repair" for scope of Work, materials and procedure associated with this Work Item. Refer to Detail 6.1 for specific requirements.

WI 6.6 HAUNCH REPAIR

A. Refer to Work Item 6.0, “Concrete Column Repair” for scope of Work, materials and procedure associated with this Work Item. Refer to Detail 6.6 for specific requirements.

WI 7.0 CONCRETE WALL REPAIR

A. Scope of Work

   1. Work consists of furnishing all labor, materials, equipment, supervision and incidentals including shoring necessary to locate existing spalls, locate and remove delaminated and unsound concrete, prepare cavities and install concrete and reinforcing (as required) materials to restore concrete walls to original condition and appearance. Refer to Detail Series 7.0 for specific requirements.

B. Materials
   1. Cast-in-place concrete repair materials shall be as specified in Division 03 “Prepackaged Repair Mortar”.
   2. Conventional steel reinforcement shall be as specified in Division 03 Section “Cast-in-Place Concrete”, and/or Work Item 1.4, “Concrete Reinforcement.”

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3. Trowel applied patching material shall be as specified in Division 03 Section "Prepackaged Repair Mortar." This material may be used for shallow removal and repair Work Items only.

C. Execution

1. Locating, marking, removal ,preparation, and inspection of deteriorated concrete and reinforcing steel preparation, repair and installation shall be performed as specified in Division 02 Section "Surface Preparation for Patching and Overlay ." Install shoring at repair locations where required per the Construction Documents prior to starting removals.
2. Final surface preparation, concrete placement, finishing and curing shall be performed as specified in concrete repair material specification. Manufacturer specifications/requirements on these issues shall also be followed in the event proprietary bag mix repair materials are used.

WI 7.1 WALL REPAIR

A. Refer to Work Item 7.0, "Concrete Wall Repair" for scope of Work, materials and procedure associated with this Work Item. Refer to Detail 7.1 for specific requirements.

WI 7.5 GROUT BED

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision and incidentals to remove existing deteriorated grout bed and provide a new grout bed.

B. Materials

1. Refer to materials in work item 76.3 Tuckpointing for grout materials.

C. Execution

1. Locate and remove deteriorated grout bed where shown on the drawings.
2. Install new grout bed full length where shown on the drawings.

WI 8.0 PRECAST TEE BEAM REPAIR

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision and incidentals including shoring necessary to locate precast tee beam elements to be repaired, shore surrounding construction supported by tee beam element being repaired, remove delaminated and unsound concrete and sound concrete, prepare cavities and install concrete and reinforcing (as required) to rebuild precast tee

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beam elements to original condition and appearance. Refer to Detail Series 8.0 for specific requirements.

B. Materials/Equipment
1. Cast-in-place concrete repair materials shall be as specified in Division 03 Section “Prepackaged Repair Mortar”.
2. Conventional steel reinforcement shall be as specified in Division 03 Section “Cast-in-Place Concrete”, and/or Work Item 1.4, “Concrete Reinforcement.”
3. Trowel applied patching material shall be as specified in Division 03 Section "Prepackaged Repair Mortar." This material may be used for shallow removal and repair Work Items only.
4. Chipping hammers shall be 15 lb or less unless directed by Engineer/Architect.

C. Execution

1. Locating, marking, removal, preparation, and inspection of deteriorated concrete and reinforcing steel preparation, repair and installation shall be performed as specified in Division 02 Section "Surface Preparation for Patching and Overlay.” Install shoring at repair locations where required per the Construction Documents prior to starting removals.
2. Final surface preparation, concrete placement, finishing and curing shall be performed as specified in concrete repair material specification. Manufacturer specifications/requirements on these issues shall also be followed in the event proprietary bag mix repair materials are used.
3. Contractor shall maintain forms and shores in place until concrete has attained at least 75% of 28-day strength.

WI 8.1 TEE STEM REPAIR

A. Refer to Work Item 8.0, "Precast Tee Beam Repair" for scope of Work, materials and procedure associated with this Work Item. Refer to Detail 8.1 for specific requirements.

WI 8.4 TEE FLANGE REPAIR

A. Refer to Work Item 8.0, "Precast Tee Beam Repair" for scope of Work, materials and procedure associated with this Work Item. Refer to Detail 8.4 for specific requirements.

WI 8.7 TEE FLANGE STRENGTHENING

A. Work consists of furnishing all labor, materials, equipment, supervision and incidentals to locate existing tee flange crack, gravity feed epoxy, and install supplemental reinforcement. Refer to Detail 8.7 for specific requirements.

B. Materials:

1. Refer to Detail 8.7

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C. Execution

1. Contractor shall locate cracks in floor surface along face of tee stem below.
2. Contractor shall gravity feed epoxy into the crack until refusal. Protect underside surfaces from dripping epoxy.
3. Neatly cut/chip out trench size shown on Detail 8.7.
4. Wire wheel, vacuum, and thoroughly clean cavity walls.
5. Prepare epoxy per manufacturers recommendation and epoxy rebar into place.
6. Install covering epoxy while rebar epoxy is still wet.
7. Broadcast sand on wet epoxy surface until refusal.

WI 10.0 EXPANSION JOINT REPAIR AND REPLACEMENT

A. Scope of Work

8. Work consists of furnishing all labor, materials, equipment, supervision and incidentals necessary to remove existing expansion joints, prepare adjacent concrete and furnish and install new expansion joint system. Refer to Detail Series 10.0 for specific requirements.

B. Materials

1. Expansion joint system materials shall be as specified in Division 07 Section "Expansion Joint Assemblies," installed in strict accordance with manufacturer's recommendations.
2. Cast-in-place concrete repair materials shall be as specified in Division 03 Section "Cast-in-Place Concrete", and/or Division 03 Section "Prepackaged Repair Mortar".
3. Trowel applied patching material shall be as specified in Division 03 Section Prepackaged Repair Mortar." This material may be used for shallow removal and repair Work Items only.

C. Execution

1. Contractor shall remove existing expansion materials in manner that minimizes damage to adjacent concrete.
2. Alterations to existing expansion joint blockout required for installation of new expansion joint system shall be performed in accordance with Work Item Series 9.0, "Expansion Joint Preparation."
3. Joint installation procedures shall be in accordance with referenced specifications and manufacturer's recommendations.
4. In-place testing: Prior to opening to traffic, test joint seal for leaks with 2 in. water depth maintained continuously for 12 hrs. Repair leaks revealed by examination of seal underside. Repeat test and repairs until all leaks stopped for full 12 hrs.

WI 10.1 EXPANSION JOINT – HEADER REPAIR

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A. Refer to Work Item 10.0, "Expansion Joint Repair and Replacement" for scope of Work, materials and procedure associated with this Work Item. Refer to Detail 10.1 for specific requirements.

WI 10.5 EXPANSION JOINT – COMPRESSION FOAM SEAL

A. Refer to Work Item 10.0, "Expansion Joint Repair and Replacement" for scope of Work, materials and procedure associated with this Work Item. Refer to Detail 10.5 for specific requirements.

WI 11.0 CRACK AND JOINT REPAIR

WI 11.1 SEAL RANDOM FLOOR CRACKS

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to locate, prepare and seal random cracks and unsealed construction and control joints in concrete floor and/or topping. Refer to Detail 11.1 for specific requirements.

B. Materials

1. Approved materials for use in this Work are specified in Division 07 Section "Concrete Joint Sealants."

C. Execution

1. Contractor shall thoroughly clean and inspect concrete slabs and/or topping for cracks and unsealed construction and control joints. Those identified as either greater than 0.03 in. wide or showing evidence of water leakage and/or salt staining on ceiling below shall be sealed. All cracks and joints identified for repair shall be marked with chalk to aid in precision routing. Obtain depths to top reinforcing bars and P-T tendons in area of repair by use of a pachometer (rebar locator). Determine depth of electrical conduit (metal or plastic). Do not exceed this depth of routing where the crack to be repaired crosses the embedded items. Damage to embedded items will require repair or replacement at no cost to the Owner.
2. Cracks and construction joints shall be ground or sawcut to an adequate width and depth as required by Work Item Detail. Routing shall be performed by mechanized device that has positive mechanical control over depth and alignment of cut. Hand held power grinders with abrasive disks shall not be used on control/construction joints, but may be used on random cracks.
3. Cavities shall be thoroughly cleaned by either sandblasting or grinding to remove all laitance, unsound concrete and curing compounds which may interfere with adhesion. Groove shall be air blasted to remove remaining debris.

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4. Sealant materials and installation procedures shall be in accordance with referenced specifications for selected material.
5. Traffic topping manufacturer shall verify in writing that joint sealant is compatible with traffic topping. Crack and joint sealant work shall be incidental to traffic topping system.

WI 11.2 CONSTRUCTION JOINT SEALANT

A. Scope of Work

1. Work consists of providing all labor, materials, equipment, supervision, and incidentals necessary to provide tooled and sealed control joints in concrete as shown on Drawings. Refer to Detail 11.2 for specific requirements.

B. Materials

1. Sealant materials shall be as specified in Division 07 Section "Concrete Joint Sealants."

C. Execution

1. Contractor shall locate and provide control joints at all column grid lines and at all existing control and construction joints, and at any additional locations shown in the Construction Documents.
2. Control joints shall be tooled and formed in plastic concrete. Sawcutting joints after concrete sets will not be allowed.
3. Tooled joints shall be of proper dimension in plastic concrete.
4. Sealant materials and installation procedures shall be in accordance with referenced specifications for selected material.

WI 11.3 VERTICAL JOINT SEALANT

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to locate and mark failed vertical joint sealant, remove existing sealant, prepare edges, and reseal vertical joints. Refer to Detail 11.3 for specific requirements.

B. Materials

1. Approved materials for use in this Work are specified in Division 07 Section "Concrete Joint Sealants."

C. Execution

2. Contractor shall locate failed crack/joint sealant by visual inspection.

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3. Contractor shall remove existing sealant from joints and/or cracks.
4. When existing joint dimensions do not conform to Detail 11.3, joints shall be routed or sawcut to an adequate width and depth to match Work Item Detail. Routing shall be performed by mechanized device that has positive mechanical control over depth and alignment of cut.
5. Cavities shall be thoroughly cleaned by either sandblasting or grinding to remove all remaining sealant and unsound concrete which may interfere with adhesion. Groove shall also be air blasted to remove remaining debris.
6. Sealant materials and installation procedures shall be in accordance with referenced specifications for selected material.
7. If traffic topping will contact vertical joint sealant, traffic topping manufacturer shall verify in writing that joint sealant is compatible with traffic topping.

WI 11.4 TEE-TO-TEE JOINT SEALANT

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to locate and mark failed joint sealant, remove existing sealant, prepare edges, and reseal joints and cracks. Refer to Detail 11.4 for specific requirements.

B. Materials

1. Approved materials for use in this Work are specified in Division 07 Section "Concrete Joint Sealants."

C. Execution

1. Contractor shall remove existing sealant from joints.
2. Cavities shall be thoroughly cleaned by either sandblasting or grinding to remove all remaining sealant and unsound concrete which may interfere with adhesion. Groove shall also be air blasted to remove remaining debris.
3. Contractor shall inspect shear connectors for fractured welds, missing weld plates, and/or broken connectors. Contractor shall advise engineer of broken connector locations and quantities for repair per WI 40.2.
4. Contractor shall test sealant bonding to existing shear connectors. Where sealant bonds to the existing sheer connector, Contractor shall install bond breaker tape over the connector.
5. Sealant materials and installation procedures shall be in accordance with referenced specifications for selected material.

WI 11.5 EPOXY INJECT CRACKS

A. Scope of Work

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1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to locate cracks, prepare and pressure inject cracks with an epoxy resin so as to create waterproof barrier and/or structural repair as indicated in the Drawings. Refer to Detail 11.5 for specific requirements.

B. Materials

1. Epoxy injection materials shall be as specified in Division 03 Section “Epoxy Injection Systems.”

C. Execution

1. Epoxy injection work and materials shall be performed in accordance with Division 03 Section "Epoxy Injection Systems."
2. Contractor is responsible for location of all locations requiring epoxy injection prior to start of Work.
3. Contractor shall allow for Engineer/Architect inspection of all epoxy injection sites for condition as specified.
4. No payment will be allowed for Work executed without Engineer/Architect inspection and verification.
5. Remove and patch all ports, holes, temporary seal materials to match existing conditions. This is considered incidental to the Work.
6. Clean and paint the repair area limited to the disturbed surfaces to match existing surfaces.

WI 11.7 COVE SEALANT

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to prepare concrete surfaces and install cove sealant between floor and vertical surfaces as shown on Drawings. Refer to Detail 11.7 for specific requirements.

B. Materials

1. Joint sealant materials shall be as specified in Division 07 Section “Concrete Joint Sealants."

C. Execution

1. Intersection to be sealed shall be thoroughly cleaned by sandblasting to remove all contaminants and foreign material.
2. Entire Work area shall then be cleaned with compressed air to assure that all loose particles have been removed and that intersection is dry.
3. Properly prepared intersection shall be coated evenly and completely with joint primer material on each of intersecting faces in accordance with sealant manufacturer's recommendations.

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4. After primer has cured, apply cove sealant to intersection such that sealant extends 0.75 in. onto each of intersecting faces.
5. Work cove sealant into joint so that all air is removed and tool to concave shape such that minimum throat dimension of no less than 0.5 in. is maintained.
6. Remove excess sealant and allow to cure.

WI 11.8 HORIZONTAL JOINT SEALANT

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to locate and mark failed horizontal joint sealant, remove existing sealant, prepare edges, and reseal horizontal joints. Refer to Detail 11.8 for specific requirements.

B. Materials

1. Approved materials for use in this Work are specified in Division 07 Section "Concrete Joint Sealants."
2. Materials used shall be as specified in Division 07 Section "Concrete Joint Sealants."

C. Execution

1. Contractor shall locate failed crack/joint sealant by visual inspection.
2. Contractor shall remove existing sealant from joints and/or cracks.
3. When existing joint dimensions do not conform to Detail 11.8, joints shall be routed or sawcut to an adequate width and depth to match Work Item Detail. Routing shall be performed by mechanized device that has positive mechanical control over depth and alignment of cut.
4. Cavities shall be thoroughly cleaned by either sandblasting or grinding to remove all remaining sealant and unsound concrete which may interfere with adhesion. Groove shall also be air blasted to remove remaining debris.
5. Sealant materials and installation procedures shall be in accordance with referenced specifications for selected material.

WI 11.9 RESEAL FLOOR CRACKS

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision and incidentals necessary to locate and mark failed joint sealant, remove existing sealant, prepare edges and reseal joints and cracks.

B. Materials

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1. Approved materials for use in this Work are specified in Division 07 Section "Concrete Joint Sealants."

C. Execution

1. Contractor shall locate failed crack/joint sealant by visual inspection.
2. Contractor shall remove existing sealant from joints and/or cracks.
3. Routing shall be performed by mechanized device that has positive mechanical control over depth and alignment of cut.
4. Cavities shall be thoroughly cleaned by either sandblasting or grinding to remove all remaining sealant and unsound concrete which may interfere with adhesion. Groove shall also be air blasted to remove remaining debris.
5. Sealant materials and installation procedures shall be in accordance with referenced specifications for selected material.
6. Traffic topping manufacturer shall verify in writing that joint sealant is compatible with traffic topping.
7. Crack and joint sealant work shall be incidental to traffic topping system.

WI 11.10 WINDOW GLAZING CAP SEAL

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision and incidentals necessary to prepare existing glazing and window frame substrates and install glazing cap sealant to perimeter of existing frame/glazing interfaces. See Detail 11.10 for specific requirements.

B. Materials

1. One part silicone glazing sealant. Available products include:

   a. Dow Corning Corporation; 795.
   b. GE Silicones; UltraGlaze SSG4000.
   c. Tremco; Spectrem 2.

2. Colors: As selected by the Architect from manufacturer’s standard colors.

C. Execution

1. Contractor shall locate and mark all locations requiring cap sealant installation as detailed on Drawings.
2. Contractor shall remove existing joint sealant (if present). Care shall be taken not to damage glazing including glass, Plexiglas, acrylic, or other glazing materials, framing materials, or adjacent façade/roof substrates.
3. If gasket or glazing tape extends beyond the frame, cut back gasket/glazing tape flush with frame. Take care not to damage glazing when cutting gasket/tape.

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4. Joint shall be thoroughly cleaned to remove all debris, residual joint filler material and joint sealant material which can inhibit proper bond of new sealant materials. Joint shall be airblasted to remove remaining debris after preparation.
5. Unnecessary damage to surrounding elements shall be repaired by Contractor at no cost to Owner.
6. Contractor shall install liquid applied joint sealant in accordance with Details and manufacturer's recommendations. Detail and tool joints to shed water. Wet tooling will not be allowed
7. Sealed joints shall be neat in appearance. Poorly sealed or improperly sealed joints shall be removed and replaced at no additional cost to Owner.

WI 15.0 PROTECTIVE SEALER

A. Scope of Work

1. Work consists of providing all labor, materials, equipment, supervision, and incidentals necessary to prepare surfaces and install protective sealer system on concrete surfaces.

B. Materials

1. Protective sealer system materials shall be as specified in Division 07 Section "Water Repellents."

C. Execution

1. All surfaces scheduled to receive protective sealer system shall be identified by Contractor. Mark with chalk all areas other than floor surfaces which are to be treated.
2. Floor surfaces shall be prepared by shotblast in accordance with referenced specification section.
3. All other surfaces to be treated shall be mechanically brushed, waterblasted, or sandblasted as required and then airblasted prior to application. Use of waterblasting on vertical or overhead surfaces requires adequate drying time before application to achieve proper penetration. Check moisture content with moisture meter and ensure moisture content is below maximum allowable by material manufacturer.
4. Sealer application shall be as specified in referenced specification section. Overhead and vertical surface application shall be by brush or pressure sprayer.

WI 15.1 SILANE SEALER

A. Refer to Work Item 15.0, "Protective Sealer" for scope of Work, materials and procedure associated with this Work Item.

WI 16.0 TRAFFIC TOPPING

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A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals, including installation of joint sealant materials, necessary to prepare existing floor surfaces and install traffic topping. Coating of all vertical surfaces within Work limits shall be incidental to installation of traffic topping. Refer to Detail series 16.0 for specific requirements.

B. Materials

1. Traffic topping materials shall be as specified in Division 07 Section "Traffic Coatings."

C. Execution

1. Floor surface preparation shall be performed by coating system licensed applicator or under its direct supervision.
2. Shotblast surface preparation is required for floors.
3. Coating system shall be installed by licensed applicators in strict accordance with manufacturer's recommendations and referenced specification section.
4. Crack preparation, including installation of sealant material where required, is incidental to traffic topping work.
5. Coating system shall be thoroughly cured prior to Work areas being returned to service.

WI 16.1 TRAFFIC TOPPING - VEHICULAR

A. Refer to Work Item 16.0, "Traffic Topping" for Scope of Work, materials and procedure associated with this Work Item. Refer to Detail 16.1 for specific requirements.

WI 25.0 MECHANICAL - DRAINAGE

WI 25.1 REPLACE FLOOR DRAIN

A. Refer to Work Item 3.0, “Concrete Floor Repair” for Scope of Work, Material and Execution procedures associated with concrete and drain basin excavation for this Work Item. Refer to Detail 25.1 for specific requirements.

B. Work includes removal of all drainpipe and hangers associated with removed drain, including installing a cleanout fitting cap where removed drainpipe intersects with existing drainpipe to remain. Refer to Work Item 25.3, “Replace Drainpipe” for Scope of Work, Material and Execution procedures associated with this portion of Work Item.

WI 25.2 REPLACE DRAIN GRATE

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A. Scope of Work

1. Work includes identifying broken floor drain grates as indicated on the plans, and removing and replacing the floor drain grates in kind.

WI 25.3 REPLACE DRAINPIPE

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to supplement existing floor drain system by installing pipe and hangers. Refer to Detail 25.3 for specific requirements.

B. Materials

1. Approved materials for this Work are as shown on Detail 25.3 and in Division 22 Section "Common Work Results for Plumbing" and Division 22 Section “Facility Storm Drainage Piping.”

C. Execution

1. Contractor shall locate and mark all areas where supplemental floor drain piping is to be installed.
2. Pipes and hangers shall be installed with adequate positive drainage slope at all locations along pipe runs.
3. Pipes and hangers shall be installed as shown on Detail 25.3 and in accordance with referenced specification section.

WI 25.6 REHANG PIPE

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to rehang piping to the ceiling in the garage for adequate drainage.

B. Materials

1. Pipe clamps and hangers to match existing conditions.

C. Execution

2. Contractor shall locate pipe to be rehung where shown on the drawings. Contractor shall secure pipe to the ceiling matching existing materials.

WI 30.0 ELECTRICAL – LIGHTING

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WI 30.7 REATTACH LIGHT FIXTURE

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to reattach loose, hanging light fixtures securely to the underside of slab.

B. Materials

1. Match existing.

C. Execution

1. Contractor shall locate and mark all areas where light fixtures are to be secured per the drawings.
2. Contractor shall securely reattach the light fixtures to the underside of the slab.

WI 37.0 DOORS, FRAMES AND HARDWARE

WI 37.2 REPLACE DOOR AND FRAME

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to remove the existing deteriorated door and frame and replace with a new hollow metal door, frame, hinges, kick plates and window.

B. Materials

1. New door and frames shall be manufactured by Ceco Door, Custom Metal Products, Gensteel Doors, Hollow Metal Inc., Mesker Doors or engineer approved equivalent. Doors and frames shall be NAAMM-HMMA 860, 1-3/4” thick. All metal shall be 0.053 inch thick.

2. Doors to include stainless steel continuous hinges, door bottoms, knobs and latch sets, closers, and kick plate.

C. Execution

1. Contractor shall locate and mark all areas where doors are to be removed and replaced.
2. Contractor shall verify directional swing of all doors.
3. Colors of all door & frame shall match existing exit doors and frames.
4. Contractor shall submit shop drawings to Engineer for approval before ordering doors and frames.
5. Doors and frames shall be installed in accordance with manufacture requirements.

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6. Contractor shall have approved shop drawings from the Engineer before ordering doors and frames.

WI 37.2 REPLACE DOOR AND FRAME

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to remove the existing deteriorated door, frame and sidelite and replace with a new hollow metal door, frame, hinges, kick plates, window, and sidelite glass.

B. Materials

2. New door and frames shall be manufactured by Ceco Door, Custom Metal Products, Gensteel Doors, Hollow Metal Inc., Mesker Doors or engineer approved equivalent. Doors and frames shall be NAAMM-HMMA 860, 1-3/4" thick. All metal shall be 0.053 inch thick.

3. Doors to include stainless steel continuous hinges, door bottoms, knobs and latch sets, closers, and kick plate.

C. Execution

1. Contractor shall locate and mark all areas where doors are to be removed and replaced.
2. Contractor shall verify directional swing of all doors.
3. Colors of all door & frame shall match existing exit doors and frames.
4. Contractor shall submit shop drawings to Engineer for approval before ordering doors and frames.
5. Doors and frames shall be installed in accordance with manufacture requirements.
6. Contractor shall have approved shop drawings from the Engineer before ordering doors and frames.

WI 40.0 CONNECTIONS/BEARINGS

WI 40.2 SHEAR CONNECTOR REPLACEMENT

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, shoring and jacking, supervision and incidentals necessary to install new shear connectors as indicated on the Drawings. Refer to Detail 40.2 for specific requirements.

B. Materials

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1. Angle shall be galvanized ASTM A36 steel or Grade 304 stainless steel.
2. Anchor bolts and all hardware shall be the same type and finish of steel as the angles above.
3. Anchoring system shall be as shown on the referenced detail.
4. Concrete repair materials shall be as specified in Division 03 Section "Cast-in-Place Concrete", Division 03 Section "Cast-in-Place Concrete Restoration", Division 03 Section "Prepackaged Repair Mortar", and/or Division 03 Section "Latex Modified Concrete and Mortar."
5. Slide Bearing Pads: Ultrahigh molecular weight, high-density polyethylene resin. Acceptable material is "Korolath PE" by Koro Corporation, Hudson, Massachusetts.
6. Corrosion Inhibiting coating for existing embedded steel:

    a. "Sikadur 32 Hi-Mod," by Sika Corporation, Lyndhurst, NJ.
    b. "MasterEmaco ADH 326," by Master Builders Solutions, Shakopee, MN.
    c. "Armatec 110," Sika Corporation, Lyndhurst NJ.
    d. "Euco 452," The Euclid Chemical Company, Cleveland, OH.

C. Execution

1. Contractor shall locate broken tee flange shear connections as indicated on Drawings and by further visual inspection.
2. Contractor shall verify locations with Engineer/Architect prior to beginning Work.
3. Engineer/Architect may designate additional repair locations.
4. Contractor shall remove and properly dispose of concrete as required to expose existing broken shear connection.
5. Contractor shall remove and properly dispose of related steel from the Work area.
6. Protect remaining exposed steel with corrosion inhibiting coating.
7. Contractor shall provide and install repair concrete at shear connector repair areas in accordance with referenced specification sections and Details.

WI 40.3 REWELD CONNECTIONS

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, shoring and jacking, supervision and incidentals necessary to re-weld existing precast connections as indicated on the Drawings.

B. Materials

1. Welds shall be made using E70 electrodes.
2. If not galvanized, corrosion inhibiting coating for shear connector:

    a. "Sikadur 32 Hi-Mod," by Sika Corporation, Lyndhurst, NJ.
    b. "MasterEmaco ADH 326," by Master Builders Solutions, Shakopee, MN.
    c. "Armatec 110," Sika Corporation, Lyndhurst NJ.
    d. "Euco 452," The Euclid Chemical Company, Cleveland, OH.

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C. Execution

1. Contractor shall locate and mark broken shear connectors exposed by concrete excavation or by visual inspection from underside of slab.
2. Contractor shall verify locations with Engineer/Architect prior to starting Work.
3. Contractor shall sandblast shear connector to bare metal prior to welding.
4. Following welding, Contractor shall apply corrosion inhibitor coating on exposed connector steel in accordance with Division 02 Section "Surface Preparation for Patching and Overlay."

WI 43.0 MISCELLANEOUS METALS

WI 43.1 REPLACE BARRIER CABLE

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to remove the existing broken barrier cables and install new galvanized wire, including all new anchor devices. Refer to Detail Series 43.1 for specific requirements.

B. Materials

1. Seven wire, steel strand, 0.5 in. diameter, galvanized stress-relieved prestressing strand, with minimum ultimate tensile strength of 250,000 psi.
2. Strand to have continuous hot-dip galvanized coating. Minimum weight of zinc coating shall be 0.90 oz./sq. ft.(Class A).
3. Anchor bodies shall be galvanized and compatible with strand system furnished. Anchor bodies shall comply with Post-Tensioning Institute “Specification for Unbonded Single Strand Tendons.” Environment: corrosive. Repair damaged metal surfaces by cleaning and applying two coats of galvanizing repair paint to galvanized surfaces. Apply two coats of galvanizing repair paint to wedge grippers after stressing is complete.
4. Anchor back seating force. Unless noted otherwise, back seat all anchors to a force equal to 80% of the minimum ultimate tensile strength (MUTS) of the strand.
5. Guardrail Strand and Terminal Fittings:

    A. Seven wire, steel strand, 0.5 in. diameter, ASTM A416, with minimum ultimate tensile strength of 270,000 psi.
    B. Anchor bodies shall be galvanized and compatible with strand system furnished. Anchor bodies shall comply with Post-Tensioning Institute “Specification for Unbonded Single Strand Tendons.” Environment: corrosive. Repair damaged metal surfaces by cleaning and applying two coats of galvanizing repair paint to galvanized surfaces. Apply two coats of galvanizing repair paint to wedge grippers after stressing is complete.

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C. Anchor back seating force. Unless noted otherwise, back seat all anchors to a force equal to 80% of the minimum ultimate tensile strength (MUTS) of the strand.

C. Execution

1. Existing broken cables and anchors shall be removed.
2. Replace with new seven wire, steel strand, 0.5 in. diameter, galvanized stress-relieved prestressing strand, with minimum ultimate tensile strength of 250,000 psi.
3. Provide all new anchors for wire strands.
4. Refer to Work Items Details where anchors terminate at chase walls.
5. All painted surfaces that were removed and replaced for re-anchoring, shall be re-painted to match adjoining surfaces.

WI 43.2 REPLACE WALL OPENING GRATES

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to remove existing plywood and install new wall opening grates. Refer to Detail 43.2 for specific requirements.

B. Materials

1. New wall opening grates, match existing.

C. Execution

1. Contractor shall locate and mark wall openings to receive new grates.
2. Contractor shall remove existing plywood covering and replace with wall opening grate that matches existing grates.

WI 43.3 REPLACE HANDRAIL

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to install a new handrail to be installed to a wall. Refer to Detail 43.3 for specific requirements.

B. Materials

1. New handrail and anchor bolts.

C. Execution

1. Contractor shall locate and install new handrail onto wall.
2. Contractor to refer to detail 43.3 for specific requirements.

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WI 43.4 REPLACE METAL PAN STAIRS

A. Scope of Work

1. This work consists of furnishing all labor, materials, equipment, supervision and incidentals necessary to locate and replace metal pan stairs. Refer to Detail 43.4 for specific requirements.

B. Materials

2. Wooster products supergrit type 138 nosing.
3. Replace concrete stair fill with sikacrete 211.
4. Submit shop drawings of new metal pan (minimum 12 gauge) stairs.

C. Procedure

2. Contractor shall survey for corroded metal pan stairs from underside.
3. Remove metal pan and concrete for the full length of one stair.
4. Provide new metal pan stair welded to stringers, provide shop drawings.
5. Replace concrete stair fill.
6. Install Wooster stair nosing at edge of stair by providing a blockout prior to concrete curing. Once concrete has cured, install the nosing.

WI 43.5 REANCHOR RAILING

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to reanchor a handrail where shown on the drawings.

B. Materials

1. New anchor bolt.

C. Execution

1. Contractor shall remove existing, loose anchor bolt.
2. Contractor shall replace bolt in kind the same size and length. Contractor shall use Hilti-HY 200 to set new anchor in.

WI 43.6 REPLACE HANDRAIL

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to install a new handrail to be installed into ground.

B. Materials

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1. New handrail and anchor bolts.

C. Execution

1. Contractor shall replace damaged handrail in kind where shown on the drawings.

WI 45.0 PAINTING

WI 45.1 PAINT TRAFFIC MARKINGS

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to locate, layout and paint parking stall stripes, traffic arrows, crosswalks, accessible stall access aisles, curbs, symbols, stop bars and all other required pavement markings.

B. Materials

1. Painting materials shall be as specified in Division 09 Section "Pavement Marking."

C. Execution

1. Unless otherwise indicated in the Construction Documents, stripes and paint color shall match all existing marks and be provided at same locations.
2. Where new striping layout is described in the Construction Documents that conflicts with existing striping layout, remove existing stripes in those locations where they conflict with new striping layout. See referenced specification section for removal requirements.
3. Where existing traffic marking layout is to be maintained, Contractor shall prepare drawing of existing traffic marking layout in work areas prior to starting with repairs. Contractor shall note stall width, angle of parking, directional traffic arrows and all other existing pavement markings.
4. Contractor shall submit striping plan for Engineer/Architect's review.
5. Engineer/Architect may inspect all layout and surface preparation for conditions in accordance with Division 09 Section "Pavement Marking."

WI 45.5 CLEAN AND PAINT DOOR

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to contain, with full height barriers, sandblasting debris and paint during operations and prepare, prime, and paint all hollow metal doors and frames as located on Drawings.

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B. Materials

1. Sherwin Williams Kem Kromik Universal Metal Primer.
2. Sherwin Williams Steel Master™ 9500 Coating, B56-300 Series.

C. Execution

1. Contractor shall locate and verify with Engineer/Architect all Work areas.
2. Contractor shall verify color selection with Owner prior to start of Work.
3. Contractor shall take all necessary measures to contain, with full height barriers, sandblasting debris and paint to immediate Work area to protect public from injury and vehicles and public property from damage.
4. Contractor shall solvent clean any surface area with oil or grease build-up prior to receiving sandblast preparation in accordance with SSPC-SP1 and Section "Painting."
5. Contractor shall sandblast all surfaces with surface corrosion to near-white metal blast cleaning in accordance with SSPC-SP10 and Section "Exterior Painting."
6. Contractor shall air blast and remove all debris from Work area prior to application of primer or paint.
7. Contractor shall apply primer to all sandblasted metal surfaces on same day (within 8 hrs) as sandblast operations. Apply primer according to Section "Exterior Painting" and in strict accordance with manufacturer's recommendations.
8. Contractor shall apply paint in accordance with referenced specification section listed in Work Item "Paint Doors and Frames," Article "Materials," above.

WI 45.6 CLEAN AND PAINT CONNECTIONS

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to contain, with full height barriers, preparation debris and paint during operations and prepare, prime, and paint steel connections as located on Drawings.

B. Materials

1. Paint materials shall be as specified in Division 09 Section “Exterior Painting.”

C. Execution

1. Contractor shall locate and verify with Engineer/Architect all Work areas.
2. Contractor shall verify color selection with Owner prior to start of Work.
3. Contractor shall take all necessary measures to contain, with full height barriers, sandblasting debris and paint to immediate Work area to protect public from injury and property from damage.
4. Contractor shall solvent clean any surface area with oil or grease build-up prior to receiving additional preparation in accordance with SSPC-SP1 and Division 09 Section "Exterior Painting."

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5. Contractor shall prepare all surfaces with surface corrosion in accordance with SSPC-SP10 “Near White Metal Blast Cleaning” or SSPC-SP11 “Power Tool Cleaning to Bare Metal” and Division 09 Section "Exterior Painting."
6. Contractor shall remove all debris from Work area prior to application of primer or paint.
7. Contractor shall apply primer to all prepared metal surfaces on same day (within 8 hrs) as preparation operations. Apply primer and Paints according to Division 09 Section "Exterior Painting" and in strict accordance with manufacturer's recommendations.

WI 45.7 CLEAN AND PAINT ANGLE

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to contain, with full height barriers, preparation debris and paint during operations and prepare, prime, and paint steel angles as located on Drawings.

B. Materials

1. Paint materials shall be as specified in Division 09 Section “Exterior Painting.”

C. Execution

1. Contractor shall locate and verify with Engineer/Architect all Work areas.
2. Contractor shall verify color selection with Owner prior to start of Work.
3. Contractor shall take all necessary measures to contain, with full height barriers, sandblasting debris and paint to immediate Work area to protect public from injury and property from damage.
4. Contractor shall solvent clean any surface area with oil or grease build-up prior to receiving additional preparation in accordance with SSPC-SP1 and Division 09 Section "Exterior Painting."
5. Contractor shall prepare all surfaces with surface corrosion in accordance with SSPC-SP10 “Near White Metal Blast Cleaning” or SSPC-SP11 “Power Tool Cleaning to Bare Metal” and Division 09 Section "Exterior Painting."
6. Contractor shall remove all debris from Work area prior to application of primer or paint.
7. Contractor shall apply primer to all prepared metal surfaces on same day (within 8 hrs) as preparation operations. Apply primer and Paints according to Division 09 Section "Exterior Painting" and in strict accordance with manufacturer's recommendations.

WI 45.8 CLEAN AND PAINT STEEL STRINGERS AND RISERS

A. Scope of Work

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1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to contain, with full height barriers, preparation debris and paint during operations and prepare, prime, and paint all structural steel stair stringers, risers, and handrails as located on Drawings.

B. Materials

1. Paint materials shall be as specified in Division 09 Section “Exterior Painting.”

C. Execution

1. Contractor shall locate and verify with Engineer/Architect all Work areas.
2. Contractor shall verify color selection with Owner prior to start of Work.
3. Contractor shall take all necessary measures to contain, with full height barriers, sandblasting debris and paint to immediate Work area to protect public from injury and property from damage.
4. Contractor shall solvent clean any surface area with oil or grease build-up prior to receiving additional preparation in accordance with SSPC-SP1 and Division 09 Section "Exterior Painting."
5. Contractor shall prepare all surfaces with surface corrosion in accordance with SSPC-SP10 “Near White Metal Blast Cleaning” or SSPC-SP11 “Power Tool Cleaning to Bare Metal” and Division 09 Section "Exterior Painting."
6. Contractor shall remove all debris from Work area prior to application of primer or paint.
7. Contractor shall apply primer to all prepared metal surfaces on same day (within 8 hrs) as preparation operations. Apply primer and Paints according to Division 09 Section "Exterior Painting" and in strict accordance with manufacturer's recommendations.

WI 45.9 CLEAN AND PAINT HANDRAILS

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to contain, with full height barriers, preparation debris and paint during operations and prepare, prime, and paint stair tower handrails as located on Drawings.

B. Materials

1. Paint materials shall be as specified in Division 09 Section “Exterior Painting.”

C. Execution

1. Contractor shall locate and verify with Engineer/Architect all Work areas.
2. Contractor shall verify color selection with Owner prior to start of Work.

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3. Contractor shall take all necessary measures to contain, with full height barriers, sandblasting debris and paint to immediate Work area to protect public from injury and property from damage.
4. Contractor shall solvent clean any surface area with oil or grease build-up prior to receiving additional preparation in accordance with SSPC-SP1 and Division 09 Section "Exterior Painting."
5. Contractor shall prepare all surfaces with surface corrosion in accordance with SSPC-SP10 “Near White Metal Blast Cleaning” or SSPC-SP11 “Power Tool Cleaning to Bare Metal” and Division 09 Section "Exterior Painting."
6. Contractor shall remove all debris from Work area prior to application of primer or paint.
7. Contractor shall apply primer to all prepared metal surfaces on same day (within 8 hrs) as preparation operations. Apply primer and Paints according to Division 09 Section "Exterior Painting" and in strict accordance with manufacturer's recommendations.

WI 45.10 CLEAN AND PAINT WINDOW FRAME

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to contain, with full height barriers, preparation debris and paint during operations and prepare, prime, and paint exterior window frames as located on Drawings.

B. Materials

1. Paint materials shall be as specified in Division 09 Section “Exterior Painting.”

C. Execution

1. Contractor shall locate and verify with Engineer/Architect all Work areas.
2. Contractor shall verify color selection with Owner prior to start of Work.
3. Contractor shall take all necessary measures to contain, with full height barriers, sandblasting debris and paint to immediate Work area to protect public from injury and property from damage.
4. Contractor shall solvent clean any surface area with oil or grease build-up prior to receiving additional preparation in accordance with SSPC-SP1 and Division 09 Section "Exterior Painting."
5. Contractor shall prepare all surfaces with surface corrosion in accordance with SSPC-SP10 “Near White Metal Blast Cleaning” or SSPC-SP11 “Power Tool Cleaning to Bare Metal” and Division 09 Section "Exterior Painting."
6. Contractor shall remove all debris from Work area prior to application of primer or paint.
7. Contractor shall apply primer to all prepared metal surfaces on same day (within 8 hrs) as preparation operations. Apply primer and Paints according to Division 09 Section "Exterior Painting" and in strict accordance with manufacturer's recommendations.

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WI 48.0 STAIR COVERS

WI 48.1 REPLACE STAIR TREAD COVERS

A. Scope of Work

2. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to install new stair tread covers on the stairs within each stair tower, as shown on the Drawings. Refer to Detail 48.1 for specific requirements.

B. Materials

1. Stair covers shall be “Wooster – 511BLA3-6, Black Extruded Aluminum Stair Tread Cover, Full Width” or equal.

C. Execution

2. Covers to be installed on each riser within the stair tower.
3. Contractor shall follow manufacture procedures for securing the covers.
4. Covers to be cut or trimmed to accommodate handrail embedments on the stairs.

WI 76.0 CRACK REPAIR AND TUCKPOINTING

WI 76.3 TUCKPOINTING

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to tuckpoint defective, cracked, broken or eroded joints in existing brick work. Refer to detail 76.3 for specific requirements.

B. Materials

1. Materials shall be as specified in Division 04 Section "Unit Masonry."
2. Portland Cement: ASTM C 150, Type I or II.
3. Quicklime: ASTM C5; pulverized lime.
4. Hydrated Lime: ASTM C 207, Type N.
5. Aggregate for Mortar: ASTM C 144; except for joints less than 0.25 in., use aggregate graded with 100% passing the No. 16 sieve.
6. Water: Potable
7. Mortar shall match existing color.

C. Execution

1. Contractor shall locate and mark all Work areas. Engineer/Architect shall verify locations prior to start of Work.

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2. All defective joints which are cracked, broken, or eroded to depth of 0.5 in. or more shall be tuckpointed.
3. Joints to be tuckpointed shall be cut back to depth of 0.75 in., or to full depth of deterioration. Use mechanically operated blades only to perform cutting. Joint at back of cut shall have square shoulder. Remove all mortar from upper and lower surfaces and sides of mortar joint being prepared.
4. Contractor shall flush all mortar joints thoroughly with clean water under pressure prior to tuckpointing to remove all dust, dirt, and laitance. Brick shall be damp and free of excess water before tuckpointing commences. Take all necessary precautions to prevent water from entering cavity space during cleaning operations.
5. Tuckpointing shall be performed using Type N mortar in accordance with ASTM C270 using specified materials.
6. Match existing mortar color. Mortar shall be dry and mixed thoroughly prior to adding water. Add one-half required mixing water and allow to stand 1 hour, then add balance of mixing water.
7. Press mortar into prepared joint using pointing tool 0.125 in. smaller than width of joint until joint is packed full. Finish point joint with pointing tool at least 0.125 in. wider than prepared joint.
8. Prior to initial set of mortar, tool joints to match existing.
9. Allow 3 to 7 days for mortar to harden prior to cleaning of brick wall.
10. Dispose of all accumulated material and leave premises in clean condition.
11. Masonry surfaces that become dirty or smeared during joint cutting and repointing of joint surfaces shall be cleaned with bristle brushes and plain water.
12. Unnecessary damage to surrounding brick shall be repaired by Contractor at no cost to Owner.

WI 80.0 BRICK/CONCRETE MASONRY UNIT FACADE

WI 80.3 REPLACE CMU

A. Refer to Work Item 80.3, "Replace CMU" for scope of Work, materials and procedure associated with this Work Item. Refer to Detail 80.3 for specific requirements.

WI 99.0 INVESTIGATION

WI 99.1 INVESTIGATIVE OPENINGS

A. Scope of Work

1. Work consists of furnishing all labor, materials, equipment, supervision, and incidentals necessary to open up topping slab sections on the entrance ramp, have engineer document each location, and replace with repair material. Refer to Detail 99.1 for specific requirements.

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B. Materials

1. Cast-in-place concrete repair materials shall be as specified in Division 03 “Prepackaged Repair Mortar”.
2. Conventional steel reinforcement shall be as specified in Division 03 Section “Cast-in-Place Concrete”, and/or Work Item 1.4, “Concrete Reinforcement.”

C. Execution

1. Contractor to open up sections of the wearing slab in general areas shown on the drawings. Consult with engineer on site for specific locations.
2. Contractor shall not damage underlying structural slab or waterproofing.
3. After documentation is completed, concrete shall be replaced with prepackaged repair material.

END OF SECTION 02 00 10

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SECTION 02 51 30 - GENERAL CONCRETE SURFACE PREPARATION

PART 1 - GENERAL

1.1 DEFINITIONS

A. **DELAMINATIONS**: Fracture planes, "internal cracks," within concrete. Typically these fractures are parallel to the member face and vary in depth.

B. **NEAR-VERTICAL CHIPPED EDGES:** Provide an edge dressed to within 20^{o} of perpendicular of finished surface.

C. **SPALLS:** Potholes, cavities or voids in concrete. Usually result of delamination migrating to face of concrete member. When fracture finally reaches surface, concrete encompassed by delamination breaks away, resulting in spall.

D. **UNSOUND CONCRETE:** Concrete exhibiting one or more of:

1. Incipient fractures present beneath existing delaminated or spalled surfaces.
2. Honeycombing.
3. Friable or punky areas.
4. Deterioration from freeze-thaw action.

E. **SCALING:** Deterioration which attacks mortar fraction (paste) of concrete mix. First appears as minor flaking and disintegration of concrete surface. Scaling eventually progresses deeper into concrete, exposing aggregate which breaks away.

F. **SHOTBLASTING:** Scarification of concrete surfaces using an abraded metal shot-rebound. See ICRI Guideline 03732 “Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays.”

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION (NOT APPLICABLE)

END OF SECTION 02 51 30

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SECTION 02 51 40 - SURFACE PREPARATION FOR PATCHING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 01 Specification Sections apply to this Section.

1.2 SUMMARY

A. This Section includes the provision of all labor, materials, equipment, supervision and incidentals necessary to locate and remove all delaminated and unsound concrete, all existing failed patches, all existing surface spalls and potholes, and preparation of cavities created by removal to receive concrete patching material.

B. This Section includes the provision of all labor, materials, equipment, supervision and incidentals necessary to prepare existing sound concrete slab surfaces to receive bonded concrete overlay.

C. Related Sections: Following Sections contain requirements that relate to this Section:

1. Division 03 Section “Prepackaged Repair Mortar”

1.3 REFERENCES

A. "Specifications for Structural Concrete for Buildings" (ACI 301) by American Concrete Institute, herein referred to as ACI 301, is included in total as specification for this structure except as otherwise specified herein.

B. Comply with provisions of following codes, specifications and standards except where more stringent requirements are shown on Drawings or specified herein:

1. ”Concrete Repair Guide” (ACI 546R-04)

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION

3.1 INSPECTION

A. Floor Slabs:

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1. Floor slab delaminations: locate by sounding surface with hammer, rod, or chain drag.
2. When delaminated area is struck, distinct hollow sound is heard.
3. Contractor: sound all designated floors for delaminations.
4. Certain structural systems that contain thin slab thicknesses with Welded Wire Reinforcement or other small diameter reinforcing, such as waffle slab or precast tees, may have significant deterioration without evidence of delaminations. These structural systems require qualified personnel to provide additional inspections, primarily visual in nature, to define the extent of deterioration.
5. Contractor: Visually inspect thin slab thicknesses with small diameter reinforcing for deterioration.

B. Vertical and Overhead Surfaces:

1. Vertical and overhead surface delaminations: locate by sounding appropriate member with hammer or rod.
2. Cracks, usually horizontal in orientation along beam faces, and vertical in orientation near column corners are indicators of delaminated concrete.
3. Contractor: sound only vertical and overhead surfaces that show evidence of cracking and/or salt and water staining.

C. Delaminated areas, once located by Contractor, shall be further sounded to define limits. Mark limits with chalk or paint.

D. Contractor: locate spalls by visual inspection and mark boundaries with chalk or paint after sounding surface.

E. Engineer/Architect may define and mark additional unsound concrete areas for removal, if required.

F. Areas to be removed shall be as straight and rectangular as practical to encompass repair and provide neat patch.

G. Contractor: Locate and determine depth of all embedded REINFORCEMENT, POST-TENSIONING TENDONS, and ELECTRICAL CONDUIT in repair area and mark these locations for reference during concrete removal. Do **NOT** nick or cut any embeds unless approved by Engineer/Architect.

H. For overlay installation, boundaries of overlay areas will be as defined in project drawings and verified by Engineer/Architect.

3.2 PREPARATION

A. **Temporary shoring may be required at concrete floor repair areas and at any beam, joist, or column repair. Contractor: Review all marked removal and preparation areas and request clarification by Shoring Engineer of Record retained by the Contractor of shoring requirements in questionable areas. Shores shall be in place prior to concrete removal and cavity preparation in any area requiring shores**.

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B. Delaminated, spalled and unsound concrete floor areas: mark boundaries. All concrete shall be removed from within marked boundary to minimum depth of 0.75 in. using 15 to 30 lb chipping hammers equipped with chisel point bits. When directed by Engineer/Architect, chipping hammers less than 15 lb shall be used to minimize damage to sound concrete. Near vertical chipped edge shall be provided along perimeter of repair area where shown on drawings. Areas to be removed shall encompass repair and provide uniform cavity surface. If delaminations exist beyond minimum removal depth, chipping shall continue until all unsound and delaminated concrete has been removed from cavity.

C. Where embedded reinforcement or electrical conduit is exposed by concrete removal, exercise extra caution to avoid damaging it during removal of unsound concrete. If bond between exposed embedded reinforcement and adjacent concrete is impaired by Contractor's removal operations, Contractor shall perform additional removal around and beyond perimeter of reinforcement for minimum of 0.75 in. along entire length affected at no cost to Owner.

D. If rust is present on embedded conventional reinforcement where it enters sound concrete, additional removal of concrete along and beneath reinforcement required. Additional removal shall continue until non-rusted reinforcement is exposed, or may be terminated as Engineer/Architect directs. If rust is present on embedded pre-stressing reinforcement where it enters sound concrete, notify and coordinate with Engineer/Architect to determine extent and process for any additional concrete removals.

E. Sawcut patch and overlay boundaries to depth of 0.75 in. into floor slab, unless otherwise noted. No sawcutting required at overlay boundaries abutting existing vertical surface (wall, beam, curb, etc.).For vertical and overhead surfaces marked boundary may be sawcut, ground or chipped to depth of 0.5 in. to 0.625 in. into existing concrete, measured from original surface. All edges shall be straight and patch areas square or rectangular-shaped. Diamond blade saw or grinder with abrasive disk suitable for cutting concrete is acceptable for performing work. Edge cut at boundary shall be dressed perpendicular to member face. It shall also be of uniform depth, for entire length of cut. Exercise extra caution during sawcutting to avoid damaging existing reinforcement (ESPECIALLY POST-TENSIONING TENDONS AND SHEATHING) and electrical conduit and any other embedded items near surface of concrete. Any damage to existing reinforcement, post-tensioning tendons or sheathing during removals shall be repaired by Contractor with Engineer/Architect-approved methods at no additional cost to Owner.

F. All sound surfaces (surfaces not requiring spall or delamination repair as previously discussed in this section) to receive overlay shall be heavy abrasive blasted or heavy shotblasted prior to overlay placement, to produce a final concrete surface profile matching ICRI CSP.

3.3 INSPECTION OF REPAIR PREPARATION

A. After removals are complete, but prior to final cleaning, exposed concrete surfaces and exposed reinforcement shall be inspected by Contractor and verified by Engineer/Architect for compliance with requirements of this Section. Where

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Engineer/Architect finds unsatisfactory surface or cavity preparation, Engineer/ Architect shall direct Contractor to perform additional removals. Engineer/Architect shall verify areas after additional removals.

B. Contractor shall inspect embedded reinforcement and conduits exposed within cavity for defects due to corrosion or damage resulting from removal operations. Contractor shall notify Engineer/Architect of all defective and damaged reinforcement or conduits. Replacement of damaged or defective reinforcement or conduits shall be performed according to this Section and as directed by Engineer/Architect.

C. After inspections of exposed surfaces and reinforcement are complete, Engineer/ Architect and Contractor shall measure and document removal and replacement quantities for payment, as required.

3.4 REINFORCEMENT AND EMBEDDED MATERIALS IN REPAIR AREAS

A. All embedded reinforcement exposed during surface preparation that has lost more than 15% (10% if 2 or more consecutive parallel bars and/or tendons are affected) of original cross-section due to corrosion shall be considered DEFECTIVE. All non-defective exposed reinforcement that has lost section to extent specified above as direct result of Contractor's removal operations shall be considered DAMAGED.

B. **Embedded materials** including, but not limited to, electrical conduit, corrosion protection systems and snow/ice melting equipment **shall be protected by Contractor** during removal operations. **Damage due to removal operations shall be repaired by Contractor in accordance with national code requirements at no cost to Owner.** Embedded materials which are defective due to pre-existing conditions may be repaired or replaced by Contractor or abandoned at Owner's option and cost.

C. Supplement defective or damaged embedded reinforcement by addition of reinforcement of equal diameter with Class "B" minimum splice per ACI 318 beyond damaged portion of reinforcement. Secure new reinforcement to existing reinforcement with wire ties and/or approved anchors. Supplemental reinforcement shall be ASTM A615 Grade 60 steel installed in accordance with Division 03 specification Sections. Tendon supplement or repair materials, when applicable, shall be as required by Section "Work Items."

D. Loose and supplemental reinforcement exposed during surface preparation shall be securely anchored prior to concrete placement. Loose reinforcement shall be adequately secured by wire ties to bonded reinforcement or shall have drilled-in anchors installed to original concrete substrate. Drilled-in anchors shall be Powers “Tie-Wire Lok-Bolt” anchors, ITW Ramset/Red Head “TW-1400” anchor, or approved equivalent. Supplemental reinforcing needed to be held off substrate shall be adequately secured by drilled-in anchors installed to original concrete substrate with Powers “Tie-Wire Spike”, ITW Ramset/Red Head Redi-Drive “TD4-112” anchors, or approved equivalent. Engineer/Architect will determine adequacy of wire ties and approve other anchoring devices prior to their use. Securing loose and supplemental reinforcement is incidental to surface preparation and no extras will be allowed for this Work.

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E. Concrete shall be removed to provide minimum of 3/4 in. clearance on all sides of defective or damaged exposed embedded reinforcement that is left in place. Minimum of 1.5-in. concrete cover shall be provided over all new and existing reinforcement. Concrete cover over reinforcement may be reduced to 1 in. with Engineer/Architect's approval if coated with an approved epoxy resin.

F. Supplemental reinforcement and concrete removals required for repairs of defective or damaged reinforcement shall be paid for as follows:

1. Concrete removals and supplemental reinforcement required for repairs of DEFECTIVE reinforcement shall be paid for by Owner at unit price bid.
2. Concrete removals and supplemental reinforcement required for repairs of DAMAGED reinforcement shall be paid for by Contractor.

3.5 CLEANING OF REINFORCEMENT WITH DELAMINATION AND SPALL CAVITIES

A. All exposed steel shall be cleaned of rust to bare metal by abrasive blasting. Cleaning shall be completed immediately before concrete placement to insure that base metal is not exposed to elements and further rusting for extended periods of time. Entire bar diameter is to be cleaned.

B. After all abrasive blasting operations and cleanup are completed, paint all exposed steel with an approved epoxy. Protect prepared surfaces from damage prior to and during concrete placement.

C. Contractor is responsible for abrasive blasting in a manner that does not create dust or debris hazards.

3.6 PREPARATION OF CAVITY FOR PATCH PLACEMENT

A. Floor slab and cavity surfaces will be examined prior to commencement of concrete placement operations. Sounding surface shall be part of examination. Any delamination noted during sounding shall be removed as specified in this Section.

B. Cavities prepared by chipping or other impact methods shall be abrasive blasted or high-pressure water blasted to remove material that may impair concrete bonding. Sound concrete surfaces shall be prepared by shotblasting as previously specified in this section. Air blasting is required as final step to remove all debris including sand and dust. All debris shall be removed from site prior to commencement of concrete placement, bonding agent preparation, etc. as specified in Division 03 Sections.

END OF SECTION 02 51 40

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SECTION 03 30 21 - CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section specifies cast-in-place concrete, including reinforcement, concrete materials, mix design, placement procedures, and finishes.

1.3 DEFINITIONS

A. Cementitious Materials: Portland cement alone or in combination with one or more of blended hydraulic cement, fly ash and other pozzolans, ground granulated blast-furnace slag, and silica fume.

B. Self-Consolidating Concrete (SCC): Highly flowable, non-segregating concrete that can spread into place, fill the formwork, and encapsulate the reinforcement without any mechanical consolidation.

1.4 SUBMITTALS

A. General: In addition to the following, comply with submittal requirements in ACI 301.

B. Product Data: For each type of manufactured material and product indicated.

C. Design Mixes: For each concrete mix. Use form at end of this Section.

D. Testing Agency: Promptly report all field concrete test results to Engineer, Contractor and Concrete Supplier.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: An experienced installer who has completed concrete work similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.

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B. Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products complying with ASTM C 94 requirements for production facilities and equipment.

C. Source Limitations: Obtain each type of cement of the same brand from the same manufacturer's plant, each aggregate from one source, and each admixture from the same manufacturer.

D. Comply with ACI 301, "Specification for Structural Concrete," including the following, unless modified by the requirements of the Contract Documents.

1. General requirements, including submittals, quality assurance, acceptance of structure, and protection of in-place concrete.
2. Formwork and form accessories.
3. Steel reinforcement and supports.
4. Concrete mixtures.
5. Handling, placing, and constructing concrete.

E. Testing Agency Qualifications:

1. Independent agency, and acceptable to engineer, qualified according to ASTM C 1077 and ASTM E 329 for testing indicated.

F. Testing Agency is responsible for conducting, monitoring and reporting results of all tests required under this Section. Testing Agency shall immediately report test results showing properties that do not conform to Project Specification requirements to Contractor’s authorized on-site representative and to Owner’s authorized on-site representative.

G. Testing Agency: Submit following Field Test information for Project Concrete unless modified in writing by Engineer:

1. Project name and location.
2. Contractor’s name.
3. Testing Agency’s name, address, and phone number.
4. Concrete supplier.
5. Date of report.
6. Testing Agency technician’s name (sampling and testing).
7. Placement location within structure.
8. Time of batching.
9. Time of testing.
10. Elapsed time from batching at plant to discharge from truck at site.
11. Concrete mixture identification number.
12. Weather data:

    a. Air temperatures.
    b. Weather.

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13. Field test data:

    a. Date, time and place of test.
    b. Slump.
    c. Concrete Temperature.
    d. Slump flow (for SCC).
    e. Air content.

14. Compressive test data:

    a. Cylinder number.
    b. Age of concrete when tested.
    c. Date and time of cylinder test.
    d. Curing time (field and lab).
    e. Cross-sectional area of cylinder.
    f. Compressive strength.
    g. Type of failure (at break).

H. Mockups: Before casting concrete, build mockups to verify typical joints, surface finish, texture, tolerances, and standard of workmanship. See Paragraphs “Finishing Formed Surfaces” and “Finishing Floors and Slabs” within this Section for criteria. Build mockups to comply with the following requirements, using materials indicated for the completed Work:

1. Obtain Engineer's acceptance of mockups before casting concrete with specified finishes.
2. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.6 REFERENCES

A. American Concrete Institute (ACI):

1. ACI 117, “Standard Specifications for Tolerances for Concrete Construction and Materials.”
2. ACI 214R, “Evaluation of Strength Test Results of Concrete.”
3. ACI 301, “Specifications for Structural Concrete.”
4. ACI 302.1R, “Guide for Concrete Floor and Slab Construction.”
5. ACI 305R, “Hot Weather Concreting.”
6. ACI 306.1, “Cold Weather Concreting.”
7. ACI 308R, “Guide to Curing Concrete.”
8. ACI 308.1, “Standard Specifications for Curing Concrete.”
9. ACI 318, “Building Code Requirements for Structural Concrete & Commentary.”
10. ACI 347, “Guide to Formwork for Concrete.”
11. ACI 347.2 “Guide to Shoring/Reshoring of Concrete Multistory Buildings.”

B. American Society for Testing and Materials (ASTM):

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1. ASTM A 36, “Standard Specification for Carbon Structural Steel.”
2. ASTM A 615, “Standard Specification for Deformed and Plain Carbon -Steel Bars for Concrete Reinforcement.”
3. ASTM A 706, “Standard Specification for Low-Alloy Steel Deformed and Plain Bars for Concrete Reinforcement.”
4. ASTM A 775, “Standard Specification for Epoxy-Coated Steel Reinforcing Bars.”
5. ASTM C 31, “Standard Practice for Making and Curing Concrete Test Specimens in the Field.”
6. ASTM C 33, “Standard Specification for Concrete Aggregates.”
7. ASTM C 39, “Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens.”
8. ASTM C 94, “Standard Specification for Ready-Mixed Concrete.”
9. ASTM C 138, “Standard Test Method for Unit Weight, Yield, and Air Content (Gravimetric) of Concrete.”
10. ASTM C 143, “Standard Test Method for Slump of Hydraulic Cement Concrete.”
11. ASTM C 150, “Standard Specification for Portland Cement.”
12. ASTM C 171, “Standard Specification for Sheet Materials for Curing Concrete.”
13. ASTM C 172, “Standard Practice for Sampling Freshly Mixed Concrete.”
14. ASTM C 173, “Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method.”
15. ASTM C 231, “Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method.”
16. ASTM C 260, “Standard Specification for Air-Entraining Admixtures for Concrete.”
17. ASTM C 494, “Standard Specifications for Chemical Admixtures for Concrete.”
18. ASTM C 567, “Standard Test Method for Determining the Density of Structural Lightweight Concrete.”
19. ASTM C 618, “Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete.”
20. ASTM C 989, “Standard Specification for Ground Granulated Blast-Furnace Slag for Use in Concrete and Mortars.”
21. ASTM C 1218, “Standard Test Method for Water Soluble Chloride Ion in Mortar and Concrete.”
22. ASTM C 1315, “Standard Specification for Liquid Membrane-Forming Compounds Having Special Properties for Curing and Sealing Concrete.”
23. ASTM C 1611/C 1611M, “Standard Test Method for Slump Flow of Self-Consolidating Concrete.”

PART 2 - PRODUCTS

2.1 FORMWORK

A. Furnish formwork and form accessories according to ACI 301, ACI 347, and ACI 347.2.

2.2 STEEL REINFORCEMENT

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A. Reinforcing Bars: ASTM A 615/A 615M or ASTM A 706, Grade 60 (Grade 420), deformed.

B. Epoxy-coated Reinforcing Bars: ASTM A775

C. Provide bar supports according to CRSI's "Manual of Standard Practice." Use all-plastic bar supports when in contact with exposed concrete surface.

2.3 CONCRETE MATERIALS

A. Ready Mixed Concrete: Obtain concrete from plant with current certification from:

1. Concrete Materials Engineering Council.
2. Illinois Department of Transportation.
3. National Ready Mixed Concrete Association.
4. Prestressed Concrete Institute.

B. Portland Cement: ASTM C 150, Types I or II or Type I/II.

C. Fly Ash: ASTM C618, Class C or Class F.

D. Ground-Granulated Blast Furnace Slag: ASTM C989, Gr. 100 or higher.

E. Silica Fume: ASTM C1240.

F. Normal-Weight Coarse Aggregate: ASTM C 33, Crushed and graded limestone or approved equivalent, Class 5S uniformly graded, not exceeding 3/4 inch nominal size. No cherts, opaline or crushed hydraulic-cement concrete is permitted.

1. Combine Aggregate Gradation: Well graded from coarsest to finest with not more than 18 percent and not less than 8 percent retained on an individual sieve, except that less than 8 percent may be retained on coarsest sieve and on No. 50 sieve, and less than 8 percent may be retained on sieves finer that No. 50.

G. Normal-Weight Fine Aggregate: Natural sand conforming to ASTM C 33 and having preferred grading shown for normal weight aggregate in ACI 302.1R, Table 5.1.

H. Lightweight Aggregates: ASTM C 330.

I. Water: Potable and complying with ASTM C 1602.

2.4 ADMIXTURES

A. General: Admixtures certified by manufacturer to contain no more than 0.1 percent water-soluble chloride ions by mass of cement and to be compatible with other admixtures. Do not use admixtures containing calcium chloride.

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B. General: Admixtures certified by manufacturer that all admixtures used are mutually compatible.

C. Admixtures: Use admixtures according to manufacturer's written instructions.

1. Use water-reducing or high-range water reducing admixture in concrete, as required, for placement and workability.
2. Use water-reducing and retarding admixture when required by high temperatures, low humidity, or other adverse placement conditions.
3. Use high-range water-reducing admixture in pumped concrete, concrete for heavy-use industrial slabs, fiber reinforced concrete, and parking structure slabs, concrete required to be watertight, and concrete with a water-cementitious materials ratio below 0.45.
4. Use non-corrosive accelerator for all concrete, less than 8 inches thick, placed at air temperatures below 50 degrees Fahrenheit.
5. Use high range water reducing admixture and viscosity modifying admixture, where required, in Self-Consolidating Concrete (SCC).
6. Use corrosion-inhibiting admixture in parking structure slabs and other areas noted on drawings.
7. Use alkali-silica reactivity inhibitor unless ready mix company confirms that the aggregates to be used on the job are non-reactive.

D. Normal Water-Reducing Admixture: ASTM C 494, Type A.

1. Products: Subject to compliance with requirements, provide one of following:

a. “Eucon Series,” Euclid Chemical Co.
b. “WRDA Series,” W.R. Grace & Co.
c. “Master Pozzolith Series,” or “Master PolyHeed Series,” Master Builders Solutions.
d. “Plastocrete Series”, Sika Corporation.
e. “OptiFlo Series” or “EcoFlo Series,” Premiere Concrete Admixtures.
f. “Polychem Series” or “KB Series,” General Resource Technology.
g. “LC-400 Series” or “LC-500 Series,” Russ Tech Admixtures, Inc.

E. Mid-Range Water-Reducing Admixture: ASTM C 494, Type A.

1. Subject to compliance with requirements, provide one of following:

a. “Eucon MR” or “Eucon X-15 and X-20,” Euclid Chemical Co.
b. “Daracem Series” or “MIRA Series,” W.R. Grace & Co.
c. “Master Polyheed Series,” Master Builders Solutions.
d. “Sikaplast Series” or “Plastocrete Series”, Sika Corporation.
e. “Polychem 1000” or “KB Series,” General Resource Technology.
f. “Finishease-NC,” Russ Tech Admixtures, Inc.
g. “OptiFlo Series” or “EcoFlo Series,” Premiere Concrete Admixtures.

F. High-Range, Water-Reducing Admixture (Superplasticizer): ASTM C 494, Type F.

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1. Products: Subject to compliance with requirements, provide one of following:

    a. “Eucon 37” or “Eucon SP-Series” or “Plastol Series,” Euclid Chemical Co.
    b. “Daracem Series” or “ADVA Series,” W.R. Grace & Co.
    c. “Master Rheobuild 1000”, “PS 1466” or “Master Glenium Series,” Master Builders Solutions.
    d. “Sikament Series” or “Sika ViscoCrete Series,” Sika Corporation.
    e. “Melchem Series,” General Resource Technology.
    f. “Superflo 443” or “Superflo 2000 Series,” Russ Tech Admixtures, Inc.
    g. “EcoFlo Series” or “UltraFlo Series,” Premiere Concrete Admixtures.

G. Viscosity Modifying Admixture for Self-consolidating Concrete:

1. Products: Subject to compliance with requirements, provide one of the following:

    a. “Visctrol” or “Eucon ABS,” Euclid Chemical Co.
    b. “Master Matrix VMA Series,” Master Builders Solutions.
    c. “Sika Stabilizer Series,” Sika Corporation.
    d. “AWA-C61,” Russ Tech Admixtures, Inc.
    e. “V-MAR,” W.R. Grace & Co.

H. Water-Reducing and Retarding Admixture: ASTM C 494, Type B or D.

1. Products: Subject to compliance with requirements, provide one of following:

    a. “Eucon Retarder-75”, “Eucon DS” or “Eucon Stasis.” Euclid Chemical Co.
    b. “Daratard-17” or “Recover,” W.R. Grace & Co.
    c. “MasterSet R Series” or “MasterSet Delvo Series,” Master Builders Solutions.
    d. “Sikatard Series,” or “Plastiment Series” or “Plastocrete Series,” Sika Corporation.
    e. “Polychem R,” General Resource Technology.
    f. “LC-400 Series” or “LC-500 Series,” Russ Tech Admixtures, Inc.
    g. “OptiFlo Series,” Premiere Concrete Admixtures.

I. Air Entraining Admixture: ASTM C260.

1. Products: Subject to compliance with requirements, provide one of following:

    a. “Air-Mix,” “Eucon Air-Series” or “AEA-92,” Euclid Chemical Co.
    b. “Daravair Series” or “Darex Series,” W.R. Grace & Co.
    c. “Master Air AE90”, or Master Air AE 200”, or “Master Air VR10,” Master Builders Solutions.
    d. “Sika AEA Series,” or “Sika AIR Series,” Sika Corporation.
    e. “ConAir Series,” Premiere Concrete Admixtures.
    f. Polychem “VR” or “VRC” or “Polychem AE,” General Resource Technology.
    g. “RSA-10,” Russ Tech Admixtures, Inc.

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J. Non-Chloride, Non-Corrosive Water-Reducing, Accelerating Admixture: ASTM C 494, Type C or E.

1. Products: Subject to compliance with requirements, provide one of following:

a. "Eucon AcN-Series," "Accelguard 80," "Accelguard NCA," or "Accelguard 90," by Euclid Chemical Company.
b. "DCI," "PolaraSet," "Lubricon NCA," "Daraset" or "Gilco," by W.R. Grace & Co.
c. "MasterSet FP 20" or "MasterSet AC 534," by Master Builders Solutions.
d. "Sika Set NC," "Plastocrete 161FL", or "Sika Rapid-1," by Sika Corporation.
e. "Catexol 2000 RHE," by Axim Concrete Technologies.
f. "Polychem NCA" or "Polychem Super Set," General Resource Technology.
g. "LCNC-166," Russ Tech Admixtures, Inc.

K. Corrosion Inhibiting Admixture shall be capable of forming a protective barrier and minimizing chloride reactions with steel reinforcement in concrete.

1. Products: Subject to compliance with requirements, provide one of the following:

a. "Eucon CIA" or "Eucon BCN," Euclid Chemical Company.
b. "DCI" or "DCI-S," W.R. Grace.
c. "MasterLife CI 30," Master Builders Solutions.
d. "Sika CNI," Sika Corporation.
e. "Catexol 1000 CN-CI," Axim Concrete Technologies.
f. "Polychem CI," General Resource Technology.
g. "Russ Tech RCI," Russ Tech Admixtures, Inc.

2. Add at rate of 3 gal/cu yd. of concrete, which shall inhibit corrosion to 9.9 lb of chloride ions per cu. yd. of concrete. Calcium Nitrite based corrosion inhibitor shall have a concentration of 30 percent, plus or minus 2 percent of solids content.

L. Shrinkage Compensating Admixture:

1. Design requires using materials with combined drying shrinkage characteristic of 0.04 percent maximum at 28 days. Proposed concrete mixture(s), using actual aggregates, admixtures and cement of the proposed mix for Project as detailed herein and in Drawings, shall meet criteria. Submit ASTM C 157 (may be modified by curing period duration) results for at least 3 specimens. Test takes 28 days minimum. Begin tests as soon as possible so final test results available for submittal to Engineer.
2. Provide powdered admixture used for the compensation and reduction of shrinkage in Portland Cement concrete. Its functional mechanism shall be based on the formation of an expansive Type G component, which produces a calcium hydroxide platelet crystal system based on calcium aluminate/calcium hydroxide, as specified in ACI 223.
3. Acceptable Product:

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a. Conex by The Euclid Chemical Company.
b. “Eclipse Plus,” W.R. Grace & Co.
c. “MasterLife SRA 20,” Master Builders Solutions.
d. “Sika Control 40,” Sika Corporation.
e. “SRA-157,“ Russ Tech Admixtures, Inc.

2.5 CURING MATERIALS

A. Evaporation Retarder: Waterborne, monomolecular film forming, manufactured for application to fresh concrete.

1. Evaporation Retarder:

a. AquaFilm J74 by Dayton Superior Corporation, Miamisburg, OH
b. Eucobar; Euclid Chemical Co.
c. E-Con; L&M Construction Chemicals, Inc.
d. MasterKure ER 50; Master Builders Solutions.
e. SikaFilm; Sika Corporation.
f. Sure-Film (J-74); Dayton Superior Corporation.
g. “EVRT”, Russ Tech Admixtures, Inc.
h. “Barrier,” Premiere Concrete Solutions.

B. Absorptive Cover: AASHTO M 182, Class 2, burlap cloth made from jute or kenaf, weighing approximately 9 oz./sq. yd. (305 g/sq. m) dry. Materials must be free of harmful substances, such as sugar or fertilizer, or substances that may discolor the concrete. To remove soluble substances, burlap should be thoroughly rinsed in water before placing it on the concrete.

C. Moisture-Retaining Cover: ASTM C 171, polyethylene film or white burlap-polyethylene sheet.

D. Water: Potable.

E. Clear, Membrane-Forming Curing Compound: ASTM C 309, Type 1, Class B.

F. Clear, Waterborne, Membrane-Forming Curing and Sealing Compound: ASTM C 1315, Type 1, Class A.

2.6 CONCRETE MIXTURES

A. Proportion mixtures determined by either laboratory trial mix or field test data bases, as follows:

1. Proportion normal-weight concrete according to ACI 211.1 and ACI 301.
2. Provide different mixtures as the season warrants, as well as each type and strength of concrete or for different placing methods.

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B. Use a qualified independent testing agency for preparing and reporting proposed Mixture Proportions for the laboratory trial mix basis.

C. Requirements for normal-weight concrete mix are shown on Drawings:

1. Compressive strength
2. Slump
3. Water-cementitious materials ratio
4. Air content

D. Supplementary cementitious materials: For concrete exposed to deicers, limit percentage, by weight, of cementitious materials according to ACI 318 requirements.

E. Air Entrainment:

1. See General Notes on Drawings for total average air content (percent by volume).
2. Average air content shall exceed value stated in General Notes on Drawings.
3. Permissible variation for any one test result from specified average total air content: plus or minus 1.5 percent unless noted otherwise on General Notes on Drawings.
4. Hardened concrete shall have an air void spacing factor of 0.0080 in. maximum. Specific surface (surface area of air voids) shall be 600 in^2 per cu in. of air-void volume, or greater. Concrete mixes not meeting these values as determined by ASTM C 457 may require adjustments unless accepted in writing by Engineer."

F. Chloride Ion Content of Mixture:

1. Water soluble chloride ion content of concrete shall not exceed 0.06 percent by weight of cement for pre-stressed concrete and 0.15 percent for reinforced concrete. (ACI 318 Chapter 4 Table 4.4.1"Maximum Chloride Ion Content for Corrosion Protection of Reinforcement") Testing procedure to determine chloride ion content shall conform to ASTM C 1218.
2. Concrete chloride ion content shall be determined by Testing Agency prior to placement. Cast samples from current production of concrete mix proposed for superstructure.
3. Concrete not meeting the requirements of paragraph "Water soluble chloride ion content of concrete…" above, shall contain appropriate amount of calcium nitrite. Concrete supplier shall provide laboratory test results showing the amount of excess chloride ion content in the concrete mixture contributed by the aggregates. For each pound of chloride ion in excess of the amount allowed, mix shall contain calcium nitrite (30 percent, plus or minus 2 percent, solids content) on one-to-one basis (one gallon of calcium nitrite for one lb. of excess chloride ion). Calcium nitrite used to offset chloride ions is in addition to calcium nitrite used as a corrosion inhibitor. Maximum of 1.5 lb. of chloride ion per cubic yard may be offset in this manner.

G. Alkali-Aggregate Reactivity Resistance: Provide one of the following:

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1. Total equivalent alkali content of mixture less than 5 lb. /cu. yd.
2. ASTM C1293: Expansion less than 0.04 % after 1 year for each of the aggregates (both coarse and fine) in the proposed concrete mixture. This data shall be less than 1 year old.
3. ASTM C1260 or AASHTO T303: Expansion less than 0.1 % after 14 days for each of the aggregates (both coarse and fine) in the proposed concrete mixture.
4. ASTM C1567: Expansion less than 0.1 % after 14 days with each of the aggregates (both coarse and fine) and the supplementary cementing materials (both source and quantity) of the proposed concrete mixture design. Alternatively, if satisfactory ASTM C1260 or AASHTO T303 test results can be provided for one of the aggregates that are being used, ASTM C1567 testing does not need to be provided for that aggregate.
5. CE CRD-C662: Expansion less than 0.1 % after 28 days with the each of the aggregates (both coarse and fine), the supplementary cementing materials (both source and quantity) of the proposed concrete mixture design and the lithium admixture source and dosage level of the proposed mixture design. Alternatively, if satisfactory ASTM C1260 or AASHTO T303 test results can be provided for one of the aggregates that are being used, CRD-C662 testing does not need to be provided for that aggregate.

H. Admixtures: Use admixtures according to manufacturer's written instructions.

1. Consider using water-reducing admixture or high-range water-reducing admixture (Superplasticizers), OR admixtures that achieve self-consolidating concrete, as required, for placement, workability, finishing and when required, increased flowability.
2. Consider using water-reducing and retarding admixture when required by high temperatures, low humidity, or other adverse placement conditions.
3. Use high range water-reducing admixture in pumped concrete, concrete for parking structure slabs, concrete required to be watertight, and concrete with a water-cementitious materials ratio of 0.45 or less. Use normal or mid-range water reducing admixture for concrete with water-cementitious materials ratio greater than 0.45.
4. Use corrosion-inhibiting admixture in concrete mixes where indicated.

I. Slump (ACI 301, Part 4 header "Slump"):

1. Maximum slump for concrete is indicated on Drawings. Where field conditions require slump to exceed that shown, increased slump shall be obtained by use of high range water reducers (superplasticizers) only, and Contractor shall obtain written acceptance from Engineer who may require an adjustment to mix.
2. All concrete containing high-range water-reducing admixture (superplasticizer) shall have a verified initial slump of 2– 3 in. Final slump after the addition of the superplasticizer shall be 6–9 in. as required by the contractor to properly place the concrete. Before permission for plant addition of superplasticizer to be granted by Engineer, fulfill following requirements:

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a. Submit letter from testing laboratory which developed original mixture proportions, for each super plasticized mixture, certifying volume of mix water which will produce specified slump and water/cement ratio, taking into account aggregate moisture content.
b. Submit plant computer printout of mixture ingredients for each truckload of super plasticized concrete with delivery of that truckload. Mix water volume greater than that certified shall be cause for concrete rejection.
c. Over-retarding or crusting of flatwork surface: cause for concrete rejection.
d. Segregation or rapid slump loss (superplasticizer life) due to incompatibility or under-dosing: cause for concrete rejection.

J. Shrinkage (Length Change):

1. Determine length change of hardened concrete test specimens in accordance with ASTM C 157, except as noted in paragraph below. Existing test data from previous project with same materials may be acceptable.
2. Test specimens shall be moist cured, including period in molds for 7 days. Then store specimens in air for period of 28 days.
3. Utilize concrete materials and mix proportions submitted, for use in floor slab beam, in accordance with Part 1 Article “Submittals”.
4. Report length change of specimens after periods of air drying after curing of 4, 7, 14, 21, and 28 days.
5. Average length change after 28 days shall be limited to 0.04%, unless otherwise accepted by Engineer. Values exceeding 0.04% shall be rejected.

K. Self-Consolidating Concrete:

1. Minimum flow of 24 in. to 28 in. or as required by the successful test placement. All self-consolidating concrete shall contain the specified high-range water-reducing admixture and viscosity-modifying admixture as required.
2. Measure slump flow using slump cone upright or inverted in accordance with ASTM C1611. Measured flow shall be greater than 24 inches and consistent with submitted mixture test parameters plus or minus 2 in.
3. Measure passing ability in accordance with ASTM C 1621/C 1621M. Use the slump cone in the same way as in the slump flow test. Difference in average slump flow between slump flow and passing ability tests shall not exceed 2 in.
4. Determine the static segregation (stability) in accordance with ASTM C 1610/C 1610M. Segregation factor of the mixture shall not be more than 15 percent.

L. Engineer’s acceptance of mixture proportions shall not relieve Contractor from responsibility for any variation from requirements of Contract Documents unless Contractor has in writing called Engineer’s attention to each such variation at time of submission and Engineer has given written approval of each such variation.

M. Adjustment to Concrete Mixtures: Adjustments to mixture proportions may be requested by Contractor when characteristics of materials, job conditions, weather, test results, or other circumstances warrant, as accepted by Engineer. Laboratory test data for revised

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mixture and strength results shall be submitted to and accepted by Engineer before using in work.

2.7 CONCRETE MIXING

A. Ready-Mixed Concrete: Measure, batch, mix, and deliver concrete according to ASTM C 94 and ASTM C 1116, and furnish batch plant-printed ticket information at delivery to site.

1. When air temperature is between 85 and 90 deg F, reduce mixing and delivery time from 1-1/2 hours to 75 minutes; when air temperature is above 90 deg F, reduce mixing and delivery time to 60 minutes.

B. Provide plant-printed batch ticket for each batch discharged and used in work, indicating project identification name and number, date, mixture identification number, date, time of batching, mixing time, quantity and details of materials, amount of water introduced and water permitted by plant to be added, if any.

C. Project-Site Mixing: Measure, batch, and mix concrete materials and concrete according to ASTM C 94. Mix concrete materials in appropriate drum-type batch machine mixer.

1. For mixer capacity of 1 cu. yd. (0.76 cu. m) or smaller, continue mixing at least one and one-half minutes, but not more than five minutes after ingredients are in mixer, before any part of batch is released.
2. For mixer capacity larger than 1 cu. yd. (0.76 cu. m), increase mixing time by 15 seconds for each additional 1 cu. yd. (0.76 cu. m).
3. Provide batch ticket for each batch discharged and used in the Work, indicating Project identification name and number, date, mix type, mix time, quantity, and amount of water added. Record approximate location of final deposit in structure.

2.8 MATERIAL ACCESSORIES

A. Extended Open Time Epoxy Bonding Agent: Three component, water based, epoxy modified portland cement bonding agent and corrosion inhibitor coating providing the recommended Manufacturer’s open time in which to apply repair mortar. Product shall be capable of achieving bond strength of 2,700 psi per ASTM C 882.

1. Acceptable materials for this Work are:

a. “Duralprep A.C.” by The Euclid Chemical Company, Cleveland, OH.
b. “Sika Armatec 110 EpoCem”, by Sika Corporation, Lyndhurst, NJ.
c. Other types may be used only with Engineer/Architect's approval in writing prior to bidding.

B. Epoxy Coating for Existing Exposed Non-prestressed Steel Reinforcement or Welded Wire Reinforcement:

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1. Provide one of following epoxy coatings:

    a. “Sikadur 32 Hi-Mod,” Sika Chemical Corp.
    b. “MasterEmaco ADH 326,” Master Builders Solutions.
    c. “Scotchkote 413 PC,” 3M Company.
    d. “Dural 452 MV,” The Euclid Chemical Company.
    e. “Resi-Bond (J-58),” Dayton Superior Corporation.

2.9 TOOLS

A. Slab Jointing

1. Concrete groovers: For tooled joints in concrete:

    a. For concrete not exceeding 4 in. thickness, use groover with 1 in. deep v-cut bit, 0.5 in. surface width and 3/16 in. to 1/4 in. edge radius.
    b. For concrete exceeding 4 in. thickness, use groover with 1.5 in. deep v-cut bit, 0.5 in. surface width and 3/16 in. to 1/4 in. edge radius.

B. All joints subject to acceptance by sealant installer. Concrete contractor to rework rejected joints until acceptable to sealant installer.

PART 3 - EXECUTION

3.1 PRECONSTRUCTION MEETING

A. Conduct a preconstruction meeting addressing the concrete preparation, installation, protection, quality control, and acceptance of Work.

3.2 FORMWORK

A. Design, construct, erect, shore, brace, and maintain formwork according to ACI 301 and ACI 347.

3.3 STEEL REINFORCEMENT

A. Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.

3.4 JOINTS

A. General: Construct joints true to line with faces perpendicular to surface plane of concrete.

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B. Construction Joints: Locate and install so as not to impair strength or appearance of concrete, at locations indicated or as approved by Engineer.

C. Isolation Joints: Install joint-filler strips at junctions with slabs-on-grade and vertical surfaces, such as column pedestals, foundation walls, grade beams, and other locations, as indicated.

1. Extend joint filler full width and depth of joint, terminating flush with finished concrete surface, unless otherwise indicated.

3.5 CONCRETE PLACEMENT

A. Comply with recommendations in ACI 304R for measuring, mixing, transporting, and placing concrete.

B. Do not add water to concrete during delivery, at Project site, or during placement.

C. Consolidate concrete with mechanical vibrating equipment.

D. Cold Weather Placement: Comply with ACI 306.1.

E. Hot Weather Placement: Comply with ACI 305 R.

3.6 FINISHING FORMED SURFACE.

A. Rough-Formed Finish: As-cast concrete texture imparted by form-facing material with tie holes and defective areas repaired and patched, and fins and other projections exceeding 1/4 inch (6 mm) in height rubbed down or chipped off.

1. Apply to concrete surfaces not exposed to public view.

B. Related Unformed Surfaces: At tops of walls, horizontal offsets, and similar unformed surfaces adjacent to formed surfaces, strike off smooth and finish with a texture matching adjacent formed surfaces. Continue final surface treatment of formed surfaces uniformly across adjacent unformed surfaces, unless otherwise indicated.

3.7 FINISHING FLOORS AND SLABS

A. Flatwork in Horizontal Areas (BROOM Finish, ACI 301, Section 5 header “Broom or Belt Finish”:

1. Bullfloat immediately after screeding. Complete before any excess moisture or bleed water is present on surface (ACI 302.1R, Article 8.3.3). The use of power trowels is discouraged; however, if they are used the following applies:

a. Use minimal passes so as to not overwork the concrete.

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b. At the contractor's expense a petrographic analysis will be required in each area where a power trowel is used to verify the air content at the slab surface is within specified limits.

2. After excess moisture or bleed water has disappeared and concrete has stiffened sufficiently to allow operation, give slab surfaces coarse transverse scored texture by drawing broom across surface. Texture shall be as accepted by Engineer from sample panels.
3. Finish tolerance: ACI 301, Paragraph 5.3.4.2 and ACI 117, paragraph 4.5.7: The gap at any point between the straightedge and the floor (and between the high spots) shall not exceed 0.5 in. In addition, floor surface shall not vary more than plus or minus 0.75 in. from elevation noted on Drawings anywhere on floor surface.
4. Before installation of flatwork and after submittal, review, and approval of concrete mixture proportions, Contractor shall fabricate two acceptable test panels simulating finishing techniques and final appearance to be expected and used on Project. Test panels shall be minimum of 4 ft. by 4 ft. in area and shall be reinforced and cast to thickness of typical parking and drive area wearing surface in Project. (Maximum thickness of test panels need not exceed 6 in.) Contractor shall finish panels following requirements of paragraphs above. Finished panels (one or both) may be rejected by Engineer, in which case Contractor shall repeat procedure on rejected panel(s) until Engineer acceptance is obtained. Accepted test panels shall be cured in accordance with Specifications and may be incorporated into Project. Accepted test panels shall serve as basis for acceptance/rejection of final finished surfaces of all flatwork.
5. Finish all concrete slabs to proper elevations to ensure that all surface moisture will drain freely to floor drains, and that no puddle areas exist. Contractor shall bear cost of any corrections to provide for positive drainage.

B. Flatwork subject to pedestrian traffic:

1. Concrete surfaces at all walking areas subject to pedestrian traffic shall provide a smooth, slip resistant walking surface for pedestrians with these minimum requirements:

a. Shall provide walking surfaces in accordance with ASTM – F 1637 Standard Practice for Safe Walking Surfaces and "2010 ADA Standards for Accessible Design" and ICC A117.1.
b. Adjoining walkway surfaces shall be flush and meet the following minimum requirements:

1) Changes in level of less than ¼ inch in height may be without edge treatment as shown in ADA Figure 303.2 and on the Drawings.
2) Changes in Level between ¼ inch and ½ inch height shall be beveled with a slope no greater than 1:2 as shown in ADA Figure 303.3 and on the Drawings.
3) Changes in level greater than ½ inch in height are not permitted unless they can be transitioned by means of a ramp with minimum requirements shown on the Drawings.

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4) Openings in floor or ground surfaces shall not allow passage of a sphere more than ½ inch diameter except as allowed for elevators and platform lifts as shown in ADA Figure 302.3 and on the Drawings.

c. Walkway surfaces shall provide a slip resistant surface.

1) Concrete surfaces shall be toweled and finished to provide a slip resistant finish.
2) Contractor shall provide sample area with slip resistant surface finish.
3) Static coefficient of friction for walking surfaces shall be measured on a dry surface by the NBS – Brungraber machine using a silastic sensor shoe and shall be 0.6 or larger for a level surface and 0.8 or larger for ramps.

3.8 TOLERANCES

A. Comply with ACI 117, "Specifications for Tolerances for Concrete Construction and Materials."

3.9 CONCRETE PROTECTION AND CURING

A. Protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Comply with ACI 306.1 for cold-weather protection and ACI 305R for hot-weather protection during placement. Keep concrete continually moist prior to final curing by evaporation retarder, misting, sprinkling, or using absorptive mat or fabric covering kept continually moist.

B. Evaporation Retarder: Apply evaporation retarder to unformed concrete surfaces if hot, dry, or windy conditions cause moisture loss approaching 0.1 lb/sq. ft. x h before and during finishing operations. Apply material according to manufacturer's written instructions one or more times after placement, screeding and bull floating concrete, but prior to float finishing. Repeated applications are prohibited after float finishing has begun.

1. Acceptable evaporation retarder materials for this Work are:

a. "Cimfilm", by Axim Concrete Technologies.
b. "MasterKure ER 50," by Master Builders Solutions.
c. "Aquafilm", by Conspec Marketing & Manufacturing Co., Inc.
d. "Sure-Film (J-74)', by Dayton Superior Corporation.
e. "Eucobar", or "Tamms Surface Retarder", by The Euclid Chemical Company, Cleveland, OH.
f. "E-Con", by L&M Construction Chemicals, Inc.
g. "EVRT", by Russ Tech Admixtures, Inc.
h. "SikaFilm", by Sika Corporation, Lyndhurst, NJ.

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C. Immediate upon conclusion of finishing operation cure concrete in accordance with ACI 308 for duration of at least seven days by moisture curing or moisture retaining covering. Dissipating curing compounds complying with ASTM C309 may be used in accordance with recommendations of ACI 506.7, "Specification for Concrete." Provide additional curing immediately following initial curing and before concrete has dried.

1. Continue method used in initial curing.
2. Material conforming to ASTM C171.
3. Other moisture retaining covering as approved by Engineer/Architect.
4. During initial and final curing periods maintain concrete above 50°.
5. Prevent rapid drying at end of curing period.

D. Concrete surfaces to receive slab coatings or penetrating sealers shall be cured with moisture curing or moisture-retaining cover**.** Concrete surfaces may be cured by sealer/coating manufacturer recommended dissipating resin curing compound, complying with ASTM C309 and in accordance with ACI 506.7.

E. Curing Methods: Cure formed and non-formed concrete moisture curing, moisture-retaining-cover curing, curing compound, or a combination of these as follows:

1. Moisture Curing: Keep surfaces continuously moist for not less than seven days with the following materials:

   a. Water.
   b. Continuous water-fog spray.
   c. Absorptive cover, water saturated and kept continuously wet. Cover concrete surfaces and edges with 12-inch (300-mm) lap over adjacent absorptive covers.

2. Moisture-Retaining-Cover Curing: Cover concrete surfaces with moisture-retaining cover for curing concrete, placed in widest practicable width, with sides and ends lapped at least 12 inches (300 mm), and sealed by waterproof tape or adhesive. Immediately repair any holes or tears during curing period using cover material and waterproof tape.

3.10 FIELD QUALITY CONTROL

A. Testing Agency**:** CONTRACTOR shall engage a qualified independent testing and inspecting agency acceptable to the Engineer to sample materials, perform tests, and submit test reports during concrete placement according to requirements specified in this Article. Perform tests according to ACI 301.

B. Sample concrete in accordance with ASTM C 172.

C. Temperature:

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1. Test temperature of concrete in accordance with ASTM C 1064/C 1064M and ACI 301 each time cylinders are taken or as directed by the Engineer.

D. Slump Test:

1. Conduct one slump test in accordance with ASTM C 143/C 143M per truck load of ready-mixed concrete delivered to Project at truck for superstructure concrete.
2. Conduct slump test in accordance with ASTM C143/C 143M and ACI 301 for foundation concrete.
3. When high-range water-reducing admixture (superplasticizer) is used, initial slump must be verified by Testing Agency.

E. Slump Flow Test (SCC):

1. Conduct one slump flow test in accordance with ASTM C 1611/C 1611M per truck load of ready mixed concrete delivered to Project at truck for superstructure concrete.
2. Conduct slump flow test in accordance with ASTM C1611/C 1611M and ACI 301 for foundation concrete.

F. Water Content:

1. Water content or water-cementitious materials ratio shall be verified by use of the Microwave Test in accordance with AASHTO T 318.
2. Conduct test each time test cylinders are taken and as directed by Engineer.

G. Air Content:

1. General Contractor: Coordinate all parties involved to produce conforming concrete.
2. Sample freshly-mixed concrete at point of final placement in accordance with ASTM C 172 and conduct one air content test in accordance with ASTM C 231 or ASTM C 173 for each truck of ready-mix, air entrained concrete delivered to Project.

H. Concrete Compressive Strength:

1. Make test cylinders in accordance with ASTM C 31 and test in accordance with ASTM C 39 as follows:

    a. Take minimum of three sets of cylinders for each 100 cu yds. or fraction thereof, of each Mixture of concrete placed in any one day.
    b. A set of cylinders shall be comprised of two 6 inch by 12 inch cylinders or three 4 inch by 8 inch cylinders.
    c. At Contractor’s option and cost, cylinders may be taken to verify concrete strength prior to form removal.
    d. Testing Agency: Provide and maintain site cure box for cylinders.

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2. Sample plastic concrete for testing at point of final placement, in accordance with ASTM C 172. Engineer will select sampling locations which may include points where plastic concrete has already been screeded and floated. Sample concrete for test cylinders to be used to verify concrete compressive strength for post-tensioning as near as possible to actual tendon anchorages.
3. Cover specimens properly, immediately after finishing. Protect outside surfaces of cardboard molds, if used, from contact with sources of water for first 24 hours after molding.
4. Cure test cylinders per ASTM C 31 as follows:

    a. To verify compressive strength prior to post-tensioning or form removal or for additional test cylinders required due to cold weather concreting conditions:

        1) Store test specimens on structure as near to point of sampling as possible and protect from elements in same manner as that given to portion of structure as specimen represents.
        2) Transport to test laboratory no more than 4 hours before testing. Remove molds from specimens immediately before testing.

    b. To verify 28-day compressive strength:

        1) During first 24 hours after molding, store test specimens under conditions that maintain temperature immediately adjacent to specimens in range of 60 to 80 degrees F. and prevent loss of moisture from specimens.
        2) Remove test specimens from molds at end of 20 +/- 4 hours and store in moist condition at 73.4 +/- 3 degrees F. until moment of test. Laboratory moist rooms shall meet requirements of ASTM C 511.

5. Compression test for non-prestressed concrete:

    a. Test one set of cylinders at 7 days.
    b. Test one set of cylinders at 28 days.
    c. Test one set of cylinders at 56 days for concrete strength requirement of 7000 psi or greater.

6. Compression tests for post-tensioned concrete:

    a. Test one set of cylinders immediately before tensioning slabs and beams. Cylinders must be field cured in accordance with paragraph “Cure test cylinders per ASTM C 31….”
    b. Test one set of cylinders at 28 days.

7. Hold one set of cylinders in reserve for use as Engineer directs.
8. Unless notified by Engineer, reserve cylinders may be discarded without being tested after 56 days.

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I. Report all nonconforming test results to Engineer and others on distribution lists via fax or email. Follow up with colored paper copies to flag the non-conformances.

J. Monthly, submit a graph showing distribution of compressive strength test results and air content test results. Include microwave test results for concretes with a water cementitious ratio less than or equal to 0.40 concrete.

3.11 EVALUATION AND ACCEPTANCE OF WORK

A. Acceptance of Repairs (ACI 301):

1. Acceptance of completed concrete Work will be according to provisions of ACI 301.
2. Repair areas shall be sounded by Engineer and Contractor with hammer or rod after curing for 72 hours. Contractor shall repair all hollowness detected by removing and replacing patch or affected area at no extra cost to Owner.
3. If shrinkage cracks appear in repair area when initial curing period is completed, repair shall be considered defective, and it shall be removed and replaced by Contractor at no extra cost.

3.12 CONCRETE MIX DESIGN FORM

A. See appendix to this Section for concrete mix design form.

END OF SECTION 03 30 21

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APPENDIX: Concrete Mix Design Submittal Form

I. GENERAL INFORMATION	
Project:	City:
General Contractor:	
Concrete Supplier:	
Mixture Identification No.:	Concrete Grade:
Use (Describe)[1]:	

[1] example: floor slabs, topping, columns, etc.

II. MIXTURE PROPORTIONING DATA		
Proportioning Based on (Check only one): Standard Deviation Analysis: _____ or Trial Mix Test Data: _____		
Mixture Characteristics: (see Mixtures in Drawings General Notes)	Density: pcf;	Air: % specified
	Slump _____ in. before superplasticizer	Slump ___ in. after superplasticizer Or for SCC: Spread _____ in.
	Strength: _____ psi (28 day);	

WALKER SUBMITTAL STAMP _____

CONTRACTOR SUBMITTAL STAMP _____

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III. MATERIALS		
Aggregates: (size; type; source; gradation report; specification)		
Coarse:		
Fine:		
Other Materials:	TYPE	PRODUCT-MANUFACTURER (SOURCE)
Cement:		
Flyash, slag, or other pozzolan:		
Silica Fume		
Processed Ultra Fine Fly Ash		
HRM		
Air Entraining Agent:		
Water Reducer		
High Range Water Reducer (HRWR / superplasticizer)		
Non-Corrosive Accelerator		
Retarder		
Fibers		
Other(s):		

IV. MIX PROPORTIONS (2)		
	WEIGHT (lbs.) (per yd^3)	ABSOLUTE VOL. (cu. ft.) (per yd^3)
Cement:		
Fine Aggregate: (3)		
Coarse Aggregate: (3)		
Flyash, slag, or other pozzolan:		
Silica Fume		
Processes Ultra-Fine Fly Ash		
HRM		
Water: (.4) (gals. & lbs.)		
Entrained Air: (oz.)		
Fibers:		
(Other) _____:		

TOTALS:		

NOTES:
(2) Mix proportions indicated shall be based on data used in section VII or IX.
(3) Based on saturated surface dry weights of aggregates.
(4) Includes ALL WATER, including added water and free water contained on aggregates.

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V. RATIOS				VI. SPECIFIC GRAVITIES
Water[1]	=	lb.	=	Fine Aggregate:
Cementitious Material[2]		lb.		Coarse Aggregate:
Fine Aggregate	=	lb.	=	
Total Aggregate		lb.		

NOTES:
(1) Includes ALL water, including added water and free water contained on aggregates.
(2) Cementitious materials include cement, fly ash, slag, silica fume, HRM, Processed Ultra-Fine Fly Ash or other pozzolan.

VII. ADMIXTURES				
Air Entraining Agent (A.E.A.):	_____ oz.	per yd^3	___ oz.	per 100# cement
Superplasticizer	_____ oz.	per yd^3	___ oz.	per 100# cement
Water Reducer	_____ oz.	per yd^3	___ oz.	per 100# cement
Non-corrosive Accelerator	_____ oz.	per yd^3	___ oz.	per 100# cement
Retarder	_____ oz.	per yd^3	___ oz.	per 100# cement
Other	_____ oz.	per yd^3	___ oz.	per 100# cement
Lithium Nitrate	_____ gal.	per yd^3		

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VIII. STANDARD DEVIATION ANALYSIS:	Yes	N/A
(Complete this section only if Mixture was developed using standard deviation analysis of previous project test results. If other method was used, check "N/A".)		
Number of Tests Evaluated: (One test is average of two cylinder breaks) Attach copy of test data considered:	Standard Deviation: (Single Group) Standard Deviation: (Two Groups)	
Required average compressive strength: f'cr = f'c + _____ psi		
NOTE: Mixture shall be proportioned in accordance with ACI 301 section 4.2.3 to achieve average compressive strength f'cr equal to or greater than the larger of one of the following equations: (4.-3) f'cr = f'c + 1.34ks [s= calculated standard deviation] or (4-4) f'cr = f'c + 2.33ks – 500 or (4-5) f'cr = 0.9f'c + 2.33ks (for f'c> 5,000 psi) (Refer to ACI 301 for required average when data are not available to establish standard deviation. For post-tensioning projects, see also special requirements for strength required to apply initial post-tensioning.)		

MIXTURE CHARACTERISTICS (As shown on drawings)	
Slump = _____ in.	Air Content =_____ %
Unit Wet Wt. = _____ pcf	Unit Dry Wt. = _____ pcf

MIXTURE CHARACTERISTICS (Based on proportioning data)	
Initial Slump = _____ in.	Final Slump _____ in.
Unit Wet Wt.= _____ pcf.	Unit Dry Wt. = _____ pcf.
Air Content = _____ %	

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IX. TRIAL MIXTURE TEST DATA:		Yes	N/A
(Complete this section only if Mixture Proportion is based on data from trial test mixture(s) batched by testing agency or Contractor. If other method was used, check "N/A".)			
Age (days)	Mix #1 (comp. str.)	Mix #2 (comp. str.)	Mix #3 (comp. str.)
7			
7			
28			
28			
28			
28 day average compressive strength, psi			

NOTE:
Mixture shall be proportioned in accordance with ACI 301 section 4.2.3 to achieve average compressive strength f'cr equal to or greater than the larger of one of the following equations:

(Less than 3000) f'cr = f'c + 1000
or
(3000 to 5000) f'cr = f'c + 1200
or
(Over 5000) f'cr = 1.1f'c + 700

For post-tensioning projects, see also special requirements for strength required to apply initial post-tensioning.

MIXTURE CHARACTERISTICS (as shown on drawings)	
Slump = _____ in.	Air Content = _____ %
Unit Wet Wt. = _____ pcf	Unit Dry Wt. = _____ pcf

MIXTURE CHARACTERISTICS (Based on proportioning data)	
Initial Slump = _____ in.	Final Slump _____ in.
Unit Wet Wt.= _____ pcf.	Unit Dry Wt. = _____ pcf.
Air Content = _____ %	

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X. OTHER TEST DATA		
Water Soluble Chloride Ion Content of mix:	_____ %(by weight of cement)	ASTM C 1218
Hardened Air Content (per ASTM C457):		
Air content: _____%	Air void spacing Factor _____in.	Specific surface: ___in^2/in^3
Chloride Ion Content of Concrete Mixture: ASTM C 1218		
Shrinkage (Length Change, Average) per ASTM C157:		
_____% @ 4 days	_____% @ 7 days	_____% @ 14 days
_____% @21 days	_____% @28 days	

XI. Remarks:

Ready Mix Concrete Supplier Information
Name:
Address:
Phone Number:
Date:
Main Plant Location:
Miles from Project Site:
Secondary or Backup Plant Location:
Miles from Project Site:

My signature below certifies that I have read, understood, and will comply with the requirements of this Section.

Signature _____

Typed or Printed Name _____

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REQUIRED ATTACHMENTS	
	Coarse aggregate grading report
	Fine aggregate grading report
	Concrete compressive strength data used for calculation of required average strength and for calculation of standard deviation
	Chloride ion data and related calculations
	Admixture compatibility certification letter
	Shrinkage information per ASTM C157
	ASTM C 457
	Alkali Content Data and Calculations OR ASTM C1293, ASTM C1260, ASTM C 1567 or CE CRD-C662 Test report for each aggregate

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SECTION 03 37 60 – PREPACKAGED REPAIR MORTAR

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 01 Specification Sections apply to this Section.

1.2 SUMMARY

A. This Section includes the provision of all labor, materials, supervision and incidentals necessary to prepare deteriorated or damaged concrete surfaces and install prepackaged concrete repair mortar to formed horizontal, vertical and overhead surfaces to restore original surface condition and integrity.

B. Related Sections: Following Sections contain requirements that relate to this Section:

1. Division 01 Section "Submittal Procedures"
2. Division 02 Section "Work Items"
3. Division 02 Section "General Concrete Surface Preparation"
4. Division 02 Section "Surface Preparation for Patching and Overlay"
5. Division 03 Section "Cast-In-Place Concrete”
6. Division 07 Section “Concrete Joint Sealants”
7. Division 07 Section "Traffic Coatings"
8. Division 09 Section "Pavement Marking"

1.3 QUALITY ASSURANCE

A. Work shall conform to requirements of ACI 301 as applicable except where more stringent requirements are shown on Drawings or specified in this Section.

B. Testing Agency:

1. Independent testing laboratory employed by Owner and acceptable to Engineer.
2. Accredited by AASHTO under ASTM C1077. Testing laboratory shall submit documented proof of ability to perform required tests.

C. Sampling and testing of mortar shall be performed by ACI certified Concrete Field Technicians Grade I. Certification shall be no more than three years old.

D. Testing Agency is responsible for conducting, monitoring and reporting results of all tests required under this Section. Testing Agency has authority to reject mortar not meeting

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Specifications. Testing Agency does not have the authority to accept mortar that does not meet specifications.

E. Testing Agency shall submit the following information for Field Testing of Concrete unless modified in writing by Engineer:

1. Project name and location.
2. Contractor's name.
3. Testing Agency's name, address and phone number.
4. Mortar manufacturer.
5. Date of report.
6. Testing Agency technician's name (sampling and testing).
7. Placement location within structure.
8. Weather data:

    a. Air temperatures.
    b. Weather.
    c. Wind speed.

9. Date, time, and place of test.
10. Compressive test data:

    a. Cube or cylinder number.
    b. Age of sample when tested.
    c. Date and time of test.
    d. Compressive strength.

1.4 REFERENCES

A. "Standard Specification for Structural Concrete" (ACI 301) by American Concrete Institute, herein referred to as ACI 301, is included in total as specification for this structure except as otherwise specified herein.

B. Comply with provisions of following codes, specifications and standards except where more stringent requirements are shown on Drawings or specified herein:

1. "Building Code Requirements for Structural Concrete" (ACI 318), American Concrete Institute, herein referred to as ACI 318.
2. "Specification for Hot Weather Concreting," ACI 305.1.
3. "Standard Specification for Cold Weather Concreting," ACI 306.1.
4. “Standard Specification for Curing Concrete” (ACI 308.1)

C. Contractor shall have following ACI publications at Project construction site at all times:

1. "Standard Specifications for Structural Concrete (ACI 301) with Selected ACI and ASTM References," ACI Field Reference Manual, SP15.
2. "Specification for Hot Weather Concreting," ACI 305.1.

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3. "Standard Specification for Cold Weather Concreting," ACI 306.1.

D. ASTM International (ASTM):

1. ASTM C109, "Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or 50-mm Cube Specimens)."
2. ASTM C31, “Test Method for Compressive Strength of Cylindrical Concrete Specimens.”
3. ASTM C1583, “Standard Test Method for the Tensile Strength of Concrete Surfaces and the Bond Strength or Tensile Strength of Concrete Repair and Overlay Materials by Direct Tension (Pull-off Method)”

1.5 SUBMITTALS

A. Make submittals in accordance with requirements of Division 01 and as specified in this Section.

B. Contractor: At preconstruction meeting, submit procedures for demolition, surface preparation, material batching, placement, finishing, and curing of application. Provide procedure to protect fresh patches from severe weather conditions.

C. Testing Agency: Promptly report all mortar test results to Engineer and Contractor. Include following information:

1. See Article "Quality Assurance," paragraph "Testing Agency shall submit...."
2. Strength determined in accordance with ASTM C109.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturer: Subject to compliance with requirements, provide products of one of following, only where specifically named in product category:

1. Master Builders Solutions (MBS), Shakopee, MN
2. Euclid Chemical Corporation (Euclid), Cleveland, OH
3. King Construction Products (King), Burlington, ON
4. Mapei Corporation (MAPEI), Deerfield Beach, FL
5. Sika Corporation (Sika), Lyndhurst, NJ.
6. J.E. Tomes (Tomes), Blue Island, IL

2.2 MATERIALS

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A. Horizontal Repair and Form and Pour Mortar: Shall be prepackaged cementitious repair mortar capable of horizontal and form and pour partial depth applications**,** achieving a minimum 3,000 psi compressive strength at 7 days and 5,000 psi compressive strength at 28 days per ASTM C39 as certified by manufacturer with maximum lineal shrinkage of 0.10% at 28 days. Extend per manufacturer's instructions as required for deeper placements.

1. Acceptable cementitious repair materials for this Work are as follows:

    a. "MasterEmaco S440/SikaEmaco 440," by MBS/Sika.
    b. "Eucocrete," by Euclid.
    c. "FA-S10 Concrete," by King.
    d. "Planitop 11," by MAPEI.
    e. "Sikacrete 211," by Sika.
    f. Other types may be used only with Engineer's approval in writing prior to bidding.
2. Acceptable polymer modified materials for this Work are as follows:

    a. "MasterEmaco T310 CI" by MBS.
    b. "SikaRepair 222 with Latex R/Sika Monotop 2250 with Latex R," "SikaTop 111 Plus," or "Sikacrete 211 SCC+," by Sika
    c. "Duraltop" by Euclid
    d. Form-Flo P-38 by Tomes
    e. Other types may be used only with Engineer/Architect's approval in writing prior to bidding.

B. Horizontal Repair and Form and Pour Mortar for use with Galvanic Anodes: Shall be prepackaged cementitious repair mortar capable of horizontal and form and pour partial depth applications**,** achieving a minimum 3,000 psi compressive strength at 7 days and 5,000 psi compressive strength at 28 days per ASTM C39 as certified by manufacturer with maximum lineal shrinkage of 0.10% at 28 days.. Manufacturer shall provide written certification of compatibility with galvanic anode corrosion protection system. Extend per manufacturer's instructions as required for deeper placements.

1. Acceptable materials for this Work are as follows:

    a. "MasterEmaco S440/SikaEmaco 440," by MBS/Sika .
    b. "EucoRepair CP," by Euclid.
    c. "FA-S10 Concrete," by King.
    d. "Sikacrete 211," by Sika.
    e. "Form Flo P-38," by Tomes.
    f. Other types may be used only with Engineer's approval in writing prior to bidding.

C. Rapid Strength Repair Mortar: Shall be prepackaged, cementitious repair mortar. Repair mortar shall be capable of application achieving a minimum 3,500 psi compressive strength at 1 day and 5,000 psi compressive strength at 28 days per ASTM C39 as

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certified by manufacturer. Extend per manufacturer's instructions as required for deeper placements.

1. Acceptable materials for this Work are as follows:

    a. "MasterEmaco T430/SikaEmaco 430 Arctic," by MBS/Sika .
    b. "Speedcrete 2028," by Euclid.
    c. "HP-S10 Concrete," by King.
    d. "Planitop 18 ES" by MAPEI.
    e. "Sikaquick 1000," by Sika.
    f. "Aprisa P-80," by Tomes.
    g. Other types may be used only with Engineer's approval in writing prior to bidding.

D. Trowel Applied Repair Mortar: Shall be prepackaged, cementitious repair mortar capable of vertical/overhead application by trowel achieving a minimum 3,000 psi compressive strength at 7 days and 4,500 psi compressive strength at 28 days per ASTM C 109 as certified by manufacturer.

1. Acceptable materials for this Work are as follows:

    a. "MasterEmaco N425/SikaEmaco 425 Gel Patch," by MBS/Sika.
    b. "Verticoat Supreme," by Euclid.
    c. "Super-Top," by King.
    d. "Planitop XS," by MAPEI
    e. "Sikaquick VOH," by Sika.
    f. "CT-40 Do All Mortar," by Tomes.
    g. Other types may be used only with Engineer's approval in writing prior to bidding.

2. Acceptable polymer modified materials for this Work are as follows:

    a. "MasterEmaco N 400 RS," "MasterEmaco N 400," "MasterEmaco N 426/SikaEmaco 426," or "MasterEmaco N 300 CI" by MBS/Sika.
    b. "Verticoat," "Speedcrete PM," or "Duraltop Gel" by The Euclid.
    c. "SikaRepair 223 with Latex R/Sika MonoTop 2250 MP", "SikaRepair SHB with Latex R", or "SikaRepair SHA with Latex R," by Sika.
    d. "Super-Top OV" by King
    e. Other types may be used only with Engineer's approval in writing prior to bidding.

E. Horizontal Topping Mortar: Shall be prepackaged cementitious repair mortar capable of horizontal partial depth applications on minimum thickness of 0.5 inches and a maximum thickness of 2 inches**,** achieving a minimum 3,000 psi compressive strength at 7 days and 5,000 psi compressive strength at 28 days per ASTM C109 as certified by manufacturer. The mortar is not to be extended.

1. Acceptable materials for this Work are as follows:

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a. “MasterEmaco T1061/SikaEmaco 1061,” by MBS/Sika.
b. “Concrete Top Supreme,” by Euclid.
c. “Duro-crete,” by King.
d. “Planitop 15,” by MAPEI.
e. “SikaTop 111 Plus,” by Sika.
f. “CT-40 Do All Mortar,” by Tomes.
g. Other types may be used only with Engineer's approval in writing prior to bidding.

2.3 MATERIAL ACCESSORIES

A. Extended Open Time Epoxy Bonding Agent: Three component, water based, epoxy modified portland cement bonding agent and corrosion inhibitor coating providing the recommended Manufacturer’s open time in which to apply repair mortar.

1. Acceptable materials for this Work are:

a. “MasterEmaco P124,” by MBS.
b. “Duralprep A.C.,” by Euclid.
c. “Planibond 3C,” by MAPEI.
d. “Armatec 110 EpoCem”, by Sika.
e. “B-1 Rebar Coating,” by Tomes.

B. Bonding Grout: Bonding grout shall consist of prepackage repair material mixed with sufficient water to form stiff slurry to achieve consistency of "pancake batter."

C. Clear, Membrane-Forming Curing Compound: ASTM C 309, Type 1, Class B.

D. Clear, Solvent-Borne, Membrane-Forming Curing and Sealing Compound: ASTM C 1315, Type 1, Class A.

E. Clear, Waterborne, Membrane-Forming Curing and Sealing Compound: ASTM C 1315, Type 1, Class A.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Extended Open Time Epoxy Bonding Agent**:**

1. In strict accordance with manufacturer’s recommendations, mix and apply epoxy bonding agent to all areas as indicated on Drawings**.**
2. Allow epoxy bonding agent to dry a minimum 2 hours, but no more than the Manufacturer’s recommended open time prior to placing repair mortar.

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B. Bonding Grout:

1. Mix bonding grout and scrub into SSD repair substrate with a stiff broom to all areas as indicated on Drawings.
2. Place repair material prior to initial set of grout. If grout sets prior to placement of repair material, complete remove grout from surface and re-clean prior to proceeding with new grout placement and repair mortar.

C. Mortar Placement: Mortar materials shall be placed in strict accordance with manufacturer's instructions. Properly proportioned and mixed mortar material shall be placed using tools to consolidate mortar so that no voids exist within new material and continuous contact with base concrete is achieved.

D. Form and Pour Repair Mortar Placement: Mix and apply in strict accordance with manufacturer’s written instructions, to achieve a maximum 9” slump. Consolidate mortar so that no voids exist and continuous contact with base concrete is achieved.

E. Vertical and Overhead Repairs: Mortar materials shall be placed in strict accordance with manufacturer's instructions. Properly proportioned and mixed mortar material shall be placed using tools to consolidate mortar so that no voids exist within new material and continuous contact with base concrete is achieved. Supplemental wire mesh shall be required for delamination and spall repairs greater than two inches in depth. Fresh bonding grout is required between successive lifts of patching material.

F. Finishing:

1. Apply a nonslip broom finish to top of floor patches and to exterior concrete platforms, steps, and ramps. Immediately after float finishing, slightly roughen trafficked surface by brooming with fiber-bristle broom perpendicular to main traffic route.
2. Provide a surface finish similar to adjacent surfaces for vertical and overhead partial depth repairs.
3. Finish formed surfaces similar to adjacent surfaces.

3.2 CONCRETE PROTECTION AND CURING

A. Protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Comply with ACI 306.1 for cold-weather protection and ACI 305R for hot-weather protection during placement. Keep concrete continually moist prior to final curing by evaporation retarder, misting, sprinkling, or using absorptive mat or fabric covering kept continually moist.

B. Immediate upon conclusion of finishing operation cure concrete in accordance with ACI 308.1 for duration of at least three days by curing methods listed below. Provide additional curing immediately following initial curing and before concrete has dried.

1. During initial and final curing periods maintain concrete above 50°.

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2. Prevent rapid drying at end of curing period.

C. Concrete surfaces to receive slab coatings or penetrating sealers shall be cured with moisture curing or moisture-retaining-cover curing.

D. Curing Methods: Cure formed and non-formed concrete moisture curing, moisture-retaining-cover curing, curing compound, or a combination of these as follows:

1. Moisture Curing: Keep surfaces continuously moist for not less than seven days with the following materials:

   a. Water.
   b. Continuous water-fog spray.
   c. Absorptive cover, water saturated and kept continuously wet. Cover concrete surfaces and edges with 12-inch (300-mm) lap over adjacent absorptive covers.

2. Moisture-Retaining-Cover Curing: Cover concrete surfaces with moisture-retaining cover for curing concrete, placed in widest practicable width, with sides and ends lapped at least 12 inches, and sealed by waterproof tape or adhesive. Immediately repair any holes or tears during curing period using cover material and waterproof tape.
3. Curing compound: Apply curing compound in accordance with manufacturer's instructions.

3.3 FIELD QUALITY CONTROL

A. Testing Agency**:** Owner shall engage a qualified independent testing and inspecting agency acceptable to the Engineer to sample materials, perform tests, and submit test reports during concrete placement according to requirements specified in this Article. Perform tests according to ACI 301.

B. Testing Frequency: Perform one set of strength testing and one bond test for each product used for each day's work. Prepare samples in accordance with ASTM C31.

C. Compressive Strength Testing: Determine strength at 3, 7, and 28 days. Each test shall consist of two 6-inch diameter cylinders or three 4-inch diameter cylinders. Testing shall be in accordance with ASTM C39.

D. Bond Testing: Bond testing shall be performed at 7 days in accordance with ASTM C1583.

3.4 EVALUATION AND ACCEPTANCE OF WORK

A. Acceptance of Repairs (ACI 301):

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1. Acceptance of completed concrete Work will be according to provisions of ACI 301.
2. Repair areas shall be sounded by Engineer and Contractor with hammer or rod after curing for 72 hours. Contractor shall repair all hollowness detected by removing and replacing patch or affected area at no extra cost to Owner.
3. If shrinkage cracks appear in repair area when initial curing period is completed, repair shall be considered defective, and it shall be removed and replaced by Contractor at no extra cost.
4. Patches shall be considered defective if average strength does not meet minimum strength at 28 days or if average bond strength does not meet minimum requirements of 150 psi.

END OF SECTION 03 37 60

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SECTION 03 63 00 - EPOXY INJECTION SYSTEMS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 01 Specification Sections apply to this Section.

1.2 SUMMARY

A. This Section includes the provision of all labor, materials, equipment, supervision and incidentals necessary to prepare cracks in structural concrete members and inject them with a 2-component, moisture-insensiteve, 100 percent solids, low-viscosity epoxy resin system.

B. Related Sections: Following Sections contain requirements that relate to this Section:

1. Division 01 Section "Submittal Procedures."
2. Division 02 Section "Work Items."
3. Division 02 Section "General Concrete Surface Preparation."
4. Division 02 Section "Surface Preparation for Patching."

1.3 QUALITY ASSURANCE

A. Testing Agency will be independent testing laboratory employed by Owner and approved by Engineer/Architect.

B. Testing Agency is responsible for conducting, monitoring and reporting to Owner results of all field tests of epoxy injection and installation required under this Section with copy of all reports to Engineer and Contractor.

C. Qualifications:

1. Contractor Qualifications: Contractor shall be qualified in the field of concrete repair and protection with a minimum of 5 years experience in application of similar systems and products on projects of similar size and scope.

    a. Successful completion of a minimum of 3 projects of similar size and complexity to specified Work.
    b. Contractor shall maintain qualified personnel who have received product training by a manufacturer’s representative.

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c. Install materials in accordance with all safety and weather condtions required by the manufacturer, or as modified by applicable rules and regulations of local, state, and federal authorities having jurisdiction.

2. Manufacturer Qualifications: The manufacturer of the specified product shall be ISO 9001:2000 Certified and have in existence a recognized ongoing quality assurance program independently audited on a regular basis.The manufacturer shall have a minimum 15 years of experience in manufacturing of surface hardener.

1.4 REFERENCES

A. "Standard Specifications for Structural Concrete," (ACI 301) by American Concrete Institute, herein referred to as ACI 301, is included in total as specification for this structure except as otherwise specified herein.

B. Comply with provisions of following codes, specifications and standards except where more stringent requirements are shown on Drawings or specified herein:

1. "Building Code Requirements for Reinforced Concrete," (ACI 318), American Concrete Institute, herein referred to as ACI 318.
2. "Causes, Evaluation, and Repair of Cracks in Concrete Structures" (ACI 224.112), American Concrete Institute.
3. "State-of-the-Art Report on Parking Structures" (ACI 362), American Concrete Institute.
4. ”Specification for Crack Repair by Epoxy Injection” (ACI 503.7), American Concrete Institute.
5. “Guide for the Application of Epoxy and Latex Adhesives for Bonding Freshly Mixed and Hardened Concretes”, (ACI 503.6), American Concrete Institute.
6. "Standard Specification for Bonding Hardened Concrete, Steel, Wood, Brick, and Other Materials to Hardened Concrete with a Multi-Component Epoxy Adhesive" (ACI 503.1), American Concrete Institute.
7. "Guide for Repair of Concrete Bridge Superstructures" Reported by ACI Committee 546 (ACI 546.1).

C. Contractor shall have following ACI/ICRI publications at Project construction site at all times:

1. ”Specification for Crack Repair by Epoxy Injection” (ACI 503.7), American Concrete Institute.” Structural Crack Repair by Epoxy Injection”, ACI RAP Bulletin 1, American Concrete Institute.
2. "Standard Specification for Bonding Hardened Concrete, Steel, Wood, Brick, and Other Materials to Hardened Concrete with a Multi-Component Epoxy Adhesive" (ACI 503.1), American Concrete Institute.

1.5 SUBMITTALS

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A. Make submittals in accordance with requirements of Division 01 and as specified in this Section.

B. Contractor: Submit manufacturer's product data sheets, technical sheets, recommended application procedures and information on epoxy injection equipment.

C. See requirements of Division 01 Section, “Submittal Procedures,” Part 1 heading, “Submittal Procedures,” for limits to resubmittals.

D. See requirements of Division 01 Section, “Submittal Procedures,” Part 2 heading, “Requests for Information,” for RFI constraints.

PART 2 - PRODUCTS

2.1 MATERIALS AND EQUIPMENT

A. Injection epoxy shall be one of following:

1. "MasterInject 1380" or “MasterInject 1500” as manufactured by BASF Construction Chemicals., Shakopee, MN.
2. "Sikadur 35 Hi-Mod LV" or “Sikadur 52” as manufactured by Sika Chemical Corporation, Lyndhurst, NJ.
3. "Epoxy HP-LV" as manufactured by Hunt Process Corp-Southern, Ridgeland, MS.
4. “Pro-Poxy 50 Super LV” as manufactured by Unitex, Kansas City, MO.
5. “Eucopoxy” or “Duralcrete LV” as manufactured by The Euclid Chemical Company, Cleveland OH.
6. “Sure Inject J56 SLV” as manufactured by Dayton Superior Corp., Miamisburg OH.
7. “KonTek 11 LV” as manufactured by Contech Group, Inc. Seattle, WA.
8. “Kemko 038” as manufactured by ChemCo Systems, Inc., Redwood City, CA.

B. Epoxy gel shall be as specified by the selected injection epoxy manufacturer.

C. Equipment:

1. Epoxy injection unit shall be portable and equipped with positive displacement-type pumps with interlock to provide positive ration control of epoxy injection resin components. Pumps shall be air or electric powered and shall provide in-line mixing and metering system and shall be equipped with drain-back plugs.
2. Equipment used to inject epoxy shall be capable of following:

    a. Automatic proportioning of materials within mix ratio tolerances set by epoxy resin manufacturer.
    b. Delivery of components, resin and hardeners, from separate reservoirs to mixing type discharge head.

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c. Complete and uniform mixing of components at discharge head.
d. Injection of resin system at constant pressures not to exceed 150 psi.

PART 3 - EXECUTION

3.1 PREPARATION

A. Crack Identification:

1. All cracks 0.03 in. wide or greater that are designated by Engineer/Architect, and not coincident with principal delamination, shall be injected. Cracks that occur coincident with principal delaminations shall not be injected.
2. Cracks requiring repair shall be located by Contractor at time of construction and marked with chalk.

B. Crack Preparation for Injection:

1. Surface of concrete adjacent to crack must be free of all laitance, efflorescence, dirt or foreign particles.
2. Cracks may be damp or dry as per injection material manufacturer's recommended installation procedures.
3. All cracks shall be properly sealed along their exposed length with an approved epoxy gel.
4. Epoxy injection ports shall be uniformly spaced along crack and shall be installed as recommended by system manufacturer. If concrete member being injected is exposed on both sides, provide injection ports on opposite sides at staggered intervals.
5. Apply epoxy gel around injection port to provide an adequate seal to prevent escape of injection resin from perimeter of port while under pressure.
6. Apply epoxy gel for sealing in manner that will result in minimal defacing or disorganization of concrete substrate.

3.2 INSTALLATION

A. Epoxy Injection:

1. Dispense epoxy injection resin under constant pressure in accordance with manufacturer's recommended procedures or as required to achieve maximum filling and penetration of crack without inclusion of air voids in epoxy resin material.
2. Injection shall begin at lowest port and progress incrementally higher.
3. Appearance of epoxy resin at next higher port shall be considered evidence of successful crack filling.
4. If penetration of epoxy resin into cracks is not possible, notify Engineer/Architect prior to discontinuing injection procedures. If alternate injection procedures are possible, submit procedure in writing to Engineer/Architect for review.

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5. Contractor shall adhere to all limitations and cautions for epoxy resin injection material as per manufacturer's current printed literature.

B. Cleaning:

1. When cracks are completely filled, allow adhesive to cure for sufficient time to allow the removal of the surface seal without any draining or runback of epoxy material from the cracks.
2. Remove the surface seal material, ports, and injection adhesive runs or spills from concrete surfaces.
3. Finish the face of the crack flush to the adjacent concrete, removing any indentations or protrusions caused by the placement of entry ports.
4. Match work area to adjacent surface including any surface treatments.

END OF SECTION 03 63 00

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SECTION 04 20 10 – UNIT MASONRY

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. Submit samples for face brick.

B. Comply with ACI 530.1/ASCE 6/TMS 602.

C. Construct a sample wall panel approximately 48 inches (1200 mm) long by 48 inches (1200 mm) high to demonstrate aesthetic effects and qualities of materials and execution.

PART 2 - PRODUCTS

2.1 MASONRY UNITS

A. Concrete Masonry Units: ASTM C 90; Weight Classification, Normal Weight; Type I, moisture-controlled units.
   1. Special shapes for lintels, corners, jambs, sash, control joints, and other special conditions.
   2. Square-edged units for outside corners, unless otherwise indicated.
   3. Unit Compressive Strength: Provide units with minimum average net-area compressive strength of 2000 psi (13.8 MPa).
   4. Size (Width): Manufactured to dimensions 3/8 inch (10 mm) less-than-nominal dimensions.

B. Face Brick: ASTM C 216, Grade SW, Type FBS.
   1. <Insert manufacturers and products for brick selected.>
   2. Size: Standard.
   3. Solid brick with exposed surfaces finished for ends of sills and caps.
   4. Special shapes for applications where shapes produced by sawing would result in sawed surfaces being exposed to view.

2.2 MORTAR

A. Mortar: ASTM C 270, Proportion Specification, for job-mixed mortar; and ASTM C 1142 for ready-mixed mortar.

   1. Do not use calcium chloride in mortar.
   2. For exterior, above-grade, load-bearing and non-load-bearing walls and parapet walls; for interior load-bearing walls; for interior non-load-bearing partitions, and for other applications where another type is not indicated, use Type N.

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2.3 JOINT REINFORCEMENT, TIES, AND ANCHORS

A. Provide joint reinforcement formed from galvanized carbon-steel wire conforming to ASTM A 951/A 951M.
   1. Interior Walls: Hot-dip galvanized carbon steel with ASTM A 153/A 153M, Class B-2 coating.
   2. Exterior Walls: Hot-dip galvanized carbon steel with ASTM A 153/A 153M, Class B-2 coating
   3. Wire Diameter for Side Rods: 0.1483 inch.
   4. Wire Diameter for Cross Rods: 0.1875 inch.
   5. For single-wythe masonry, provide truss design.

B. Veneer Anchors: 2-piece adjustable masonry veneer anchors allowing vertical or horizontal differential movement between veneer and wall framing parallel to plane of wall but resisting tension and compression forces perpendicular to it, for attachment over sheathing to studs, and acceptable to authorities having jurisdiction.

C. Rigid Anchors: Fabricate from steel bars 1-1/2 inches (38 mm) wide by ¼ inch (6.4 mm) thick by 24 inches (600 mm) long, with ends turned up 2 inches (50 mm) or with cross pins.

2.4 EMBEDDED FLASHING MATERIALS

A. Sheet Metal Flashing: Stainless-steel, 0.0156 inch thick.

2.5 MISCELLANEOUS MASONRY ACCESSORIES.

A. Weep Holes: Round polyethylene tubing, 3/8-inch OD.

B. Loose-Granular Perlite Insulation: ASTM C 549, Type II or IV.

C. Extruded-Polystyrene Board Insulation: ASTM C 578, Type IV.

D. Polyisocyanurate Board Insulation: FS HH-I-1972/1, Class 2.

E. Masonry Cleaner: ½-cup (0.14-L) tetrasodium polyphosphate and ½-cup (0.14-L) laundry detergent dissolved in 1 gal. (4 L) of water.

2.6 REINFORCEMENT

A. Uncoated Steel Reinforcing Bars: ASTM A 615/A 615M or ASTM A 996/A 996M, Grade 60.

B. Reinforcing Bar Positioners: Wire units designed to fit into mortar bed joints spanning masonry unit cells and to hold reinforcing bars in center of cells. Units are formed from

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0.148-inch steel wire, hot-dip galvanized after fabrication. Provide units designed for number of bars indicated.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:

    a. Dur-O-Wal; a Hohmann & Barnard company.
    b. Heckmann Building Products, Inc.
    c. Hohmann & Barnard, Inc.
    d. Wire-Bond

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. Cut masonry units with motor-driven saws. Install cut units with cut surfaces and, where possible, cut edges concealed.

B. Mix units for exposed unit masonry from several pallets or cubes as they are placed to produce uniform blend of colors and textures.

C. Matching Existing Masonry: Match coursing, bonding, color, and texture of existing masonry.

D. Stopping and Resuming Work: In each course, rack back units; do not tooth.

E. Build non-load-bearing interior partitions full height and install compressible filler in joint between top of partition and underside of structure above.

F. Tool exposed joints slightly concave when thumbprint hard, unless otherwise indicated.

G. Keep cavities clean of mortar droppings and other materials during construction. Strike joints facing cavities flush.

3.2 MASONRY JOINT REINFORCEMENT

A. General: Install entire length of longitudinal side rods in mortar with a minimum cover of 5/8 inch on exterior side of walls, 1/2 inch elsewhere. Lap reinforcement a minimum of 6 inches.

1. Space reinforcement not more than 16 inches o.c.
2. Space reinforcement not more than 8 inches o.c. in foundation walls and parapet walls.
3. Provide reinforcement not more than 8 inches above and below wall openings and extending 12 inches beyond openings in addition to continuous reinforcement.

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B. Interrupt joint reinforcement at control and expansion joints unless otherwise indicated.

C. Provide continuity at wall intersections by using prefabricated T-shaped units.

D. Cut and bend reinforcing units as directed by manufacturer for continuity at corners, returns, offsets, column fireproofing, pipe enclosures, and other special conditions

3.3 REPAIRING, POINTING, AND CLEANING

A. Remove and replace masonry units that are loose, chipped, broken, stained, or otherwise damaged or that do not match adjoining units. Install new units to match adjoining units; install in fresh mortar, pointed to eliminate evidence of replacement.

B. Pointing: During the tooling of joints, enlarge voids and holes, except weep holes, and completely fill with mortar. Point up joints, including corners, openings, and adjacent construction, to provide a neat, uniform appearance. Prepare joints for sealant application, where indicated.

C. In-Progress Cleaning: Clean unit masonry as work progresses by dry brushing to remove mortar fins and smears before tooling joints.

D. Final Cleaning: After mortar is thoroughly set and cured, clean exposed masonry as follows:
   1. Remove large mortar particles by hand with wooden paddles and nonmetallic scrape hoes or chisels.
   2. Test cleaning methods on sample wall panel; leave one-half of panel uncleaned for comparison purposes. Obtain Architect's approval of sample cleaning before proceeding with cleaning of masonry.
   3. Protect adjacent stone and nonmasonry surfaces from contact with cleaner by covering them with liquid strippable masking agent or polyethylene film and waterproof masking tape.
   4. Wet wall surfaces with water before applying cleaners; remove cleaners promptly by rinsing surfaces thoroughly with clear water.
   5. Clean brick by bucket-and-brush hand-cleaning method described in BIA Technical Notes 20.
   6. Clean concrete masonry by applicable cleaning methods indicated in NCMA TEK 8-4A.
   7. Clean masonry with a proprietary acidic cleaner applied according to 15-1900.31manufacturer's written instructions.
   8. Clean stone trim to comply with stone supplier's written instructions.
   9. Clean limestone units to comply with recommendations in ILI's "Indiana Limestone Handbook."

3.4 FIELD QUALITY CONTROL

A. Owner will engage a qualified independent testing agency to perform the following tests for each 5000 sq. ft. (460 sq. m) of wall area or portion thereof.

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1. Mortar Properties: ASTM C 270.
2. Mortar Composition and Properties: ASTM C 780.
3. Grout: ASTM C 1019.

3.5 CLEANING

A. Clean stone masonry veneer as work progresses. Remove mortar fins and smears before tooling joints.

B. Final Cleaning: After mortar is thoroughly set and cured, remove large mortar particles and scrub unit masonry.

1. Wet wall surfaces with water, apply cleaner, then remove cleaner by rinsing thoroughly with clear water.

END OF SECTION 04 20 10

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SECTION 05 16 17 - STRAND GUARDRAIL SYSTEM

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections apply to this Section.

1.2 SUMMARY

A. This Section includes the following metal fabrications:

1. Strand guardrail.

1.3 SUBMITTALS

A. General: Submit each item in this Article according to the Conditions of the Contract and Division 01 Specification Sections.

B. Installation drawings shall include:

1. Number, arrangement, and length of strand guardrails.
2. Jacking force required to achieve specified final effective force for all strand guardrails.
3. Cable elongations corresponding to jacking force and final effective force for all strand guardrails.
4. Detailing of anchorage devices.
5. Other incidental features.

C. Submit following information with Installation Drawing submittal:

1. Sealed calculations, prepared under supervision of a Professional Engineer licensed in Illinois for jacking force required to achieve specified final effective strand pretension for all strand guardrails considering strand length, losses due to anchorage seating, and materials and equipment being supplied.
2. Certified calibration curve for each jack to show the gauge pressure corresponding to the required jacking force.

D. Samples representative of materials and finished products as may be requested by Engineer/Architect.

E. Qualification data for firms and persons specified in the "Quality Assurance" article to demonstrate their capabilities and experience. Include a list of completed projects with

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project name, addresses, names of architects and owners, and other information specified.

F. Stressing records to Engineer/Architect promptly upon completion of stressing operations.

G. Certification from Installer that stressing process and records have been reviewed, and that forces specified have been provided.

H. See requirements of Division 01 Section, “Submittal Procedures,” Part 1 heading, “Submittal Procedures,” for limits to resubmittals.

I. See requirements of Division 01 Section, “Submittal Procedures,” Part 2 heading, “Requests for Information,” for RFI constraints.

1.4 QUALITY ASSURANCE

A. Fabricator Qualifications: Firm experienced in producing guardrail strand fabrications similar to those indicated for this Project with a record of successful in-service performance, and with sufficient production capacity to produce required units without delaying the Work.

B. Provide barrier cable systems produced in PTI-certified plant conforming to all material and installation requirements of PTI “Specifications for Seven Wire Strand Barrier Cable Applications”.

C. Installer Qualifications: All barrier cable systems using seven-wire prestressing steel strands shall be installed by PTI certified installers.

D. Work shall conform to requirements of PTI “Specifications for Seven Wire Strand Barrier Cable Applications” except where more stringent requirements are shown on Drawings or specified in this Section.

E. Inspection Agency employed by Owner shall keep barrier cable stressing records and submit to Engineer/Architect. Report will document:

1. Calculated elongation based upon actual elastic modulus and cross-sectional area of strands used.
2. Actual field elongation measured for each guardrail strand.
3. Gauge pressure required to achieve required jacking force [per calibration chart] for each strand.
4. Actual gage pressures for each strand.
5. Jack and gauge identification numbers.

1.5 REFERENCES

A. American Institute of Steel Construction (AISC):

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1. AISC, "Code of Standard Practice for Steel Buildings and Bridges."
2. AISC, "Manual of Steel Construction."
3. AISC, "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings."

B. American Society for Testing and Materials (ASTM):

1. ASTM A36, "Specification for Structural Steel."
2. ASTM A123, "Specification for Zinc (Hot-Dip Galvanized) Coatings On Iron and Steel Products."
3. ASTM A416, "Specification for Steel Strand, Uncoated Seven-Wire Stress-Relieved, for Prestressed Concrete."
4. ASTM A475, "Specification for Zinc-Coated Steel Wire Strand."
5. ASTM A882, "Standard Specification for Epoxy-Coated Seven-Wire Prestressing Steel Strand."
6. ASTM B633, “Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel.”
7. ASTM B695, “Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel.”

C. Post-Tensioning Institute

1. PTI M 10.4-07, “Specification for Seven Wire Prestressed Steel Strand for Barrier Cable Applications.”

1.6 PROJECT CONDITIONS

A. Field Measurements: Check actual locations of walls and other construction to which strand guardrails must fit by accurate field measurements before fabrication. Show recorded measurements on final shop drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

PART 2 - PRODUCTS

2.1 FERROUS METALS

A. General: Comply with Post-Tensioning Institute’s “Specification for Seven Wire Steel Strand Barrier Cable Applications.”

B. Guardrail Strand and Prestressing/Post-Tensioning Anchors:

1. Seven wire, steel strand, 0.5 in. diameter, galvanized stress-relieved prestressing strand, with minimum ultimate tensile strength of 250,000 psi.
2. Strand to have continuous hot-dip galvanized coating. Minimum weight of zinc coating shall be 0.90 oz./sq. ft.(Class A).

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3. Anchor bodies shall be galvanized and compatible with strand system furnished. Anchor bodies shall comply with Post-Tensioning Institute “Specification for Unbonded Single Strand Tendons.” Environment: corrosive. Repair damaged metal surfaces by cleaning and applying two coats of galvanizing repair paint to galvanized surfaces. Apply two coats of galvanizing repair paint to wedge grippers after stressing is complete.
4. Anchor back seating force. Unless noted otherwise, back seat all anchors to a force equal to 80% of the minimum ultimate tensile strength (MUTS) of the strand.

2.2 FABRICATION, GENERAL

A. Form strand guardrail from materials of size, thickness, and shapes indicated but not less than that needed to comply with performance requirements indicated. Work to dimensions indicated or accepted on shop drawings, using proven details of fabrication and support. Use type of materials indicated or specified for various components of each metal fabrication.

B. Allow for thermal movement resulting from the following maximum change (range) in ambient temperature in the design, fabrication, and installation of installed strand guardrail assemblies to prevent over stressing. Base design calculations on actual surface temperatures of metals due to both solar heat gain and nighttime sky heat loss.

1. Temperature Change (Range): 100 F°.

C. Provide for anchorage of type indicated; coordinate with supporting structure. Fabricate and space anchoring devices to secure strand guardrails rigidly in place and to support indicated loads.

D. Shop Assembly: Preassemble items in shop to greatest extent possible to minimize field splicing and assembly. Disassemble units only as necessary for shipping and handling limitations. Use connections that maintain structural value of joined pieces. Clearly mark units for reassembly and coordinated installation.

E. Fabricate joints that will be exposed to weather in a manner to exclude water.

PART 3 - EXECUTION

3.1 PREPARATION

A. Coordinate and furnish anchorages, setting drawings, diagrams, templates, instructions, and directions for installing anchorages. Coordinate delivery of such items to Project site.

3.2 INSTALLATION, GENERAL

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A. Fastening to In-Place Construction: Provide anchor bodies where necessary for securing miscellaneous metal fabrications to in-place construction.

B. If the guardrail strands are required to be post-tensioned:

1. Backstress all fixed and stressing anchorages.
2. Stress, and then immediately backstress, individual guardrail strands one at a time.
3. Backstress the guardrail strand to a force equal to 80% of the minimum ultimate tensile strength (MUTS) of the strand.
4. Prevent damage to the column or other member to which the guardrail strand is anchored.
5. For related procedures refer to the PTI Guide Specification.

C. Do not cut strand ends until Contractor receives Engineer/Architect's written approval of stressing records.

3.3 ADJUSTING AND CLEANING

A. For galvanized surfaces, clean welds, bolted connections, and abraded areas, and apply galvanizing repair paint to comply with ASTM A 780.

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SECTION 05 50 00 - METAL FABRICATIONS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Steel Supplemental Bearing Supports.
2. Handrails.

B. Products furnished, but not installed, under this Section include the following:

1. Anchor bolts, steel pipe sleeves, slotted-channel inserts, and wedge-type inserts indicated to be cast into concrete or built into unit masonry.

C. Related Requirements:

1. Division 03 Section "Prepackaged Repair Mortar" for installing anchor bolts, steel pipe sleeves, slotted-channel inserts, wedge-type inserts, and other items cast into concrete.

1.3 COORDINATION

A. Coordinate selection of shop primers with topcoats to be applied over them. Comply with paint and coating manufacturers' written recommendations to ensure that shop primers and topcoats are compatible with one another.

B. Coordinate installation of metal fabrications that are anchored to or that receive other work. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.

1.4 ACTION SUBMITTALS

A. Shop Drawings: Show fabrication and installation details. Include plans, elevations, sections, and details of metal fabrications and their connections. Show anchorage and accessory items. Provide Shop Drawings for the following:

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1. Steel framing and supports for applications where framing and supports are not specified in other Sections.
2. Handrailings.

1.5 INFORMATIONAL SUBMITTALS

A. Mill Certificates: Signed by stainless-steel manufacturers, certifying that products furnished comply with requirements.

B. Welding certificates.

C. Paint Compatibility Certificates: From manufacturers of topcoats applied over shop primers, certifying that shop primers are compatible with topcoats.

D. Research/Evaluation Reports: For post-installed anchors, from ICC-ES.

1.6 QUALITY ASSURANCE

A. Welding Qualifications: Qualify procedures and personnel according to AWS D1.1, "Structural Welding Code - Steel."

1.7 FIELD CONDITIONS

A. Field Measurements: Verify actual locations of walls and other construction contiguous with metal fabrications by field measurements before fabrication.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes acting on exterior metal fabrications by preventing buckling, opening of joints, overstressing of components, failure of connections, and other detrimental effects.

1. Temperature Change: 120 deg F, ambient; 180 deg F, material surfaces.

2.2 METALS

A. Metal Surfaces, General: Provide materials with smooth, flat surfaces unless otherwise indicated. For metal fabrications exposed to view in the completed Work, provide materials without seam marks, roller marks, rolled trade names, or blemishes.

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B. Steel Plates, Shapes, and Bars: ASTM A 36.

2.3 FASTENERS

A. General: Unless otherwise indicated, provide Type 304 stainless-steel fasteners for exterior use and zinc-plated fasteners with coating complying with ASTM B 633 or ASTM F 1941, Class Fe/Zn 5, at exterior walls. Select fasteners for type, grade, and class required.

1. Provide stainless-steel fasteners for fastening aluminum.
2. Provide stainless-steel fasteners for fastening stainless steel.
3. Provide stainless-steel fasteners for fastening nickel silver.
4. Provide bronze fasteners for fastening bronze.

B. Steel Bolts and Nuts: Regular hexagon-head bolts, ASTM A 325, Type 3; with hex nuts, ASTM A 563, Grade C3; and, where indicated, flat washers.

C. Anchor Bolts: ASTM F 1554, Grade 36, of dimensions indicated; with nuts, ASTM A 563; and, where indicated, flat washers.

1. Hot-dip galvanize or provide mechanically deposited, zinc coating where item being fastened is indicated to be galvanized.

2.4 MISCELLANEOUS MATERIALS

A. Shop Primers: Provide primers that comply with Division 09 Sections "Exterior Painting,".

2.5 FABRICATION, GENERAL

A. Shop Assembly: Preassemble items in the shop to greatest extent possible. Disassemble units only as necessary for shipping and handling limitations. Use connections that maintain structural value of joined pieces. Clearly mark units for reassembly and coordinated installation.

B. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges to a radius of approximately 1/32 inch unless otherwise indicated. Remove sharp or rough areas on exposed surfaces.

C. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work.

D. Form exposed work with accurate angles and surfaces and straight edges.

E. Weld corners and seams continuously to comply with the following:

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1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
2. Obtain fusion without undercut or overlap.
3. Remove welding flux immediately.
4. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing.

F. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners or welds where possible. Where exposed fasteners are required, use Phillips flat-head (countersunk) fasteners unless otherwise indicated. Locate joints where least conspicuous.

G. Fabricate seams and other connections that are exposed to weather in a manner to exclude water. Provide weep holes where water may accumulate.

H. Cut, reinforce, drill, and tap metal fabrications as indicated to receive finish hardware, screws, and similar items.

I. Provide for anchorage of type indicated, coordinate with supporting structure. Space anchoring devices to secure metal fabrications rigidly in place and to support indicated loads.

2.6 MISCELLANEOUS FRAMING AND SUPPORTS

A. General: Provide steel framing and supports not specified in other Sections as needed to complete the Work.

B. Fabricate units from steel shapes, plates, and bars of welded construction unless otherwise indicated. Fabricate to sizes, shapes, and profiles indicated and as necessary to receive adjacent construction.

1. Fabricate units from slotted channel framing where indicated.
2. Furnish inserts for units installed after concrete is placed.

C. Galvanize miscellaneous framing and supports where indicated.

2.7 STEEL WELD PLATES AND ANGLES

A. Provide steel weld plates and angles not specified in other Sections, for items supported from concrete construction as needed to complete the Work. Provide each unit with no fewer than two integrally welded steel strap anchors for embedding in concrete.

2.8 FINISHES, GENERAL

A. Finish metal fabrications after assembly.

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B. Finish exposed surfaces to remove tool and die marks and stretch lines, and to blend into surrounding surface.

2.9 STEEL AND IRON FINISHES

A. Galvanizing: Hot dip galvanize items as indicated to comply with ASTM A 153/A 153M for steel and iron hardware and with ASTM A 123/A 123M for other steel and iron products.

1. Do not quench or apply post galvanizing treatments that might interfere with paint adhesion.

B. Preparation for Shop Priming Galvanized Items: After galvanizing, thoroughly clean railings of grease, dirt, oil, flux, and other foreign matter, and treat with metallic phosphate process.

C. Shop prime iron and steel items unless they are to be embedded in concrete, sprayed-on fireproofing, or masonry, or unless otherwise indicated.

D. Preparation for Shop Priming: Prepare surfaces to comply with SSPC-SP 6/NACE No. 3, "Commercial Blast Cleaning."

E. Shop Priming: Apply shop primer to comply with SSPC-PA 1, "Paint Application Specification No. 1: Shop, Field, and Maintenance Painting of Steel," for shop painting.

1. Stripe paint corners, crevices, bolts, welds, and sharp edges.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. Cutting, Fitting, and Placement: Perform cutting, drilling, and fitting required for installing metal fabrications. Set metal fabrications accurately in location, alignment, and elevation; with edges and surfaces level, plumb, true, and free of rack; and measured from established lines and levels.

B. Fit exposed connections accurately together to form hairline joints. Weld connections that are not to be left as exposed joints but cannot be shop welded because of shipping size limitations. Do not weld, cut, or abrade surfaces of exterior units that have been hot dip galvanized after fabrication and are for bolted or screwed field connections.

C. Field Welding: Comply with the following requirements:

1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
2. Obtain fusion without undercut or overlap.

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3. Remove welding flux immediately.
4. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing and contour of welded surface matches that of adjacent surface.

D. Fastening to In-Place Construction: Provide anchorage devices and fasteners where metal fabrications are required to be fastened to in-place construction. Provide threaded fasteners for use with concrete and masonry inserts, toggle bolts, through bolts, lag screws, wood screws, and other connectors.

E. Provide temporary bracing or anchors in formwork for items that are to be built into concrete, masonry, or similar construction.

3.2 INSTALLING MISCELLANEOUS FRAMING AND SUPPORTS

A. General: Install framing and supports to comply with requirements of items being supported, including manufacturers' written instructions and requirements indicated on Shop Drawings.

3.3 ADJUSTING AND CLEANING

A. Touchup Painting: Immediately after erection, clean field welds, bolted connections, and abraded areas. Paint uncoated and abraded areas with the same material as used for shop painting to comply with SSPC-PA 1 for touching up shop-painted surfaces.

1. Apply by brush or spray to provide a minimum 2.0-mil dry film thickness.

B. Galvanized Surfaces: Clean field welds, bolted connections, and abraded areas and repair galvanizing to comply with ASTM A 780/A 780M.

END OF SECTION 05 50 00

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SECTION 07 18 00 – TRAFFIC COATINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 01 Specification Sections apply to this Section.

1.2 SUMMARY

A. A single installer shall be responsible for providing complete waterproofing system including all products specified in following Sections:

1. Division 07 Section, “Traffic Coatings”
2. Division 07 Section, “Water Repellents”
3. Division 07 Section, “Concrete Joint Sealants”
4. Division 07 Section, “Expansion Joint Assemblies”

B. Materials shall be compatible with other materials or related Work with which the traffic coating will come into contact, and with materials covered by this Section.

C. Related Sections: Following Sections contain requirements that relate to this Section.

1. Division 03 Section, "Cast-in-Place Concrete"
2. Division 07 Section, “Water Repellents”
3. Division 07 Section, “Concrete Joint Sealants”
4. Division 07 Section, “Expansion Joint Assemblies”
5. Division 09 Section, "Pavement Markings"

1.3 ACTION SUBMITTALS

A. Product Data: For each system indicated, submit the following at least 60 days prior to application.

1. Product description, technical data, appropriate applications and limitations.
2. Primer type and application rate
3. Material, and wet mils required to obtain specified dry thickness for each coat.
4. Type, gradation and aggregate loading required within each coat, if applicable.

B. Samples:

1. One stepped sample showing each component for each system indicated.

1.4 INFORMATION SUBMITTALS

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A. Certificates

1. Evidence of applicator's being certified by manufacturer. Evidence shall include complete copy of manufacturer's licensing/certification document, spelling out repair responsibility for warranty claims.
2. Certification from Manufacturer that finishes as specified are acceptable for system to be installed at least 1 month before placement of any concrete which will receive traffic coating.
3. Certification stating materials have been tested and listed for UL 790 Class "A" rated materials/system by UL for traffic coating application specified on project. Containers shall bear UL labels.
4. Certification from manufacturer confirming compatibility with existing underlying coatings and/or substrate.

B. Manufacturer's Instructions: for each system indicated.

1. Crack treatment and surface preparation method and acceptance criteria.
2. Method of application of each coat.
3. Maximum and minimum application temperatures.
4. Maximum and minimum allowable times between coats.
5. Final cure time before resumption of foot traffic, parking and/or paint striping.
6. Any other special instructions required to ensure proper installation.

C. Qualification Statements

1. Manufacturer's qualifications as defined in "Quality Assurance" article.
2. Installer's qualifications as defined in "Quality Assurance" article.
3. Signed statement from applicator certifying that applicator has read, understood, and shall comply with all requirements of this Section.

1.5 CLOSEOUT SUBMITTALS

A. Three copies of System Maintenance Manual.

B. Snow removal guidelines for areas covered by Warranty.

C. Final executed Warranty.

1.6 QUALITY ASSURANCE

A. Installer's Qualifications: Owner retains right to reject any manufacturer.

1. Evidence of compliance with Summary article paragraph "A single installer. . ."
2. Evidence that installer has successfully performed or has qualified staff who have successfully performed at least 5 verifiable years of installations similar to those involved in this Contract, and minimum 10 projects with submitted system.

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3. Listing of 5 or more installations in climate and size similar to this Project performed by installer's superintendent.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Deliver all materials to site in original, unopened containers, bearing following information:

1. Name of product.
2. Name of manufacturer.
3. Date of preparation.
4. Lot or batch number.

B. Store materials under cover and protect from weather. Replace packages or materials showing any signs of damage with new material at no additional cost to Owner.

C. Do not store material on slabs to be post-tensioned before final post-tensioning of slabs is accomplished. At no time shall weight of stored material being placed on slab area, after post-tensioning is completed and concrete has reached specified 28 day strength, exceed total design load of slab area. Between time final post-tensioning is accomplished and time concrete has reached specified 28 day strength, weight of stored material placed on slab area shall not exceed half total design load of slab area.

1.8 FIELD CONDITIONS

A. Weather and Substrate Conditions: Proceed with work only when existing and forecast weather, temperature of concrete substrate, and ambient conditions within the structure will permit work in accordance with manufacturer's recommendations. Do not apply traffic coatings to damp or wet substrates, when temperatures are below 40 deg F (5 deg C), when relative humidity exceeds 85 percent, or when temperatures are less than 5 deg F (3 deg C) above dew point.

B. Do not apply traffic coatings in snow, rain, fog, or mist, or when such weather conditions are imminent during the application and curing period. Apply only when frost-free conditions occur throughout the depth of substrate.

C. Do not install traffic coating until items that penetrate membrane have been installed.

1.9 WARRANTY

A. System Manufacturer (New Application and Complete System Recoating): Furnish Owner with written 5-year total responsibility Joint and Several Warranty, detailing responsibilities of manufacturer and applicator with regard to warranty requirements (Joint and Several) commencing with date of acceptance of work. Warranty shall provide that system will be free of defects, water penetration and chemical damage related to system design, workmanship, or material deficiency, consisting of:

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1. Any adhesive or cohesive failures.
2. Abrasion or tearing failures from normal traffic use.
3. Excessive aggregate loss (Coefficient of Friction below 0.6).
4. Weathering. Breakdown/degradation of topcoat.
5. Excessive Wear: Base coat showing through top coat.
6. Surface cracking or intercoat delamination.
7. Abrasion or tear failure of membrane resulting from normal traffic use.
8. Failure to bridge cracks less than 0.0625 in. or cracks existing at time of traffic coating installation.

B. System Manufacturer (Partial System Recoating): Furnish Owner with written 5-year total responsibility Joint and Several Warranty, detailing responsibilities of manufacturer and applicator with regard to warranty requirements (Joint and Several). Warranty shall provide that system will be free of defects, chemical damage related to system design, workmanship, or material deficiency, consisting of:

1. Any adhesive or cohesive failures.
2. Abrasion or tearing failures from normal traffic use.
3. Excessive aggregate loss (Coefficient of Friction below 0.6).
4. Weathering. Breakdown/degradation of topcoat.
5. Excessive Wear: Base coat showing through top coat.
6. Surface cracking or intercoat delamination.
7. Abrasion or tear failure of membrane resulting from normal traffic use.
8. Failure to bridge cracks less than 0.0624 in. or cracks existing at time of traffic coating installation.

C. If material surface shows any of defects listed above, supply labor and material to repair all defective areas and to repaint all damaged line stripes.

D. Perform any repair under this warranty at no cost to Owner.

E. Address following in terms of Warranty: length of warranty, change in value of warranty – if any – based on length of remaining warranty period, transferability of warranty, responsibilities of each party, notification procedures, dispute resolution procedures, and limitations of liability for direct and consequential damages.

F. Snowplows, vandalism, studded snow tires, and abnormally abrasive maintenance equipment are not normal traffic use and are exempted from warranty.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturer: Subject to compliance with requirements, provide products of 1 of following, only where specifically named in product category:

1. Advanced Polymer Technology (APT), Harmony, PA.

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2. GCP Applied Technologies (GCP), Alpharetta, GA.
3. Lymtal International Inc. (Lymtal), Lake Orion, MI.
4. Master Builders Solutions Construction Systems US (Master Builders), Shakopee, MN.
5. Neogard Division of Hemple (Neogard), Dallas, TX.
6. Pacific Polymers, Inc. a Division of ITW (Pacific Polymers), Garden Grove, CA.
7. Pecora Corporation (Pecora), Harleysville, PA.
8. Polycoat Products Division of Amer. Polymers (Polycoat), Santa Fe Springs, CA.
9. R&D Technical Solutions, Ltd. (R&D), Mississauga, ON, Canada.
10. Sika Corporation (Sika), Lyndhurst, NJ.

2.2 MATERIALS, TRAFFIC COATING

A. Acceptable low odor coatings are listed below. Coatings shall be compatible with all other materials in this Section and related work.

1. VOC Compliant, Extreme Low Odor, High-Solids, Fast Cure, Heavy Duty Coating System:

a. Auto-Gard FC, Neogard.
b. Iso-Flex 760 U HL AR and 760 U HL AL, LymTal.
c. MasterSeal Traffic 2500, Master Builders.
d. Qualideck Heavy Vehicular (152/252/372/582), APT.
e. Sikalastic 720/745 or 390/391/395, Sika.

B. Provide ultraviolet screening for all traffic coating placed on this project.

C. Finish top coat shall be colored grey with Owner’s approval.

D. Substitutions: None for this project. Contact Engineer/Architect for consideration for future projects.

2.3 MATERIALS, CRACK SEALER

A. Repair for isolated random horizontal cracks 0.01 in. to 0.03 in. wide. Acceptable products:

1. Iso-Flex 609 Epoxy Crack Sealer, LymTal.
2. MasterSeal 630, Master Builders.
3. Sikadur 55 SLV Epoxy Crack Healer/Sealer, Sika.
4. SikaPronto 19TF, Sika.

2.4 ACCESSORY MATERIALS

A. Joint Sealants: As specified in Section 07 92 00 “Concrete Joint Sealants.”

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B. Reinforcing Strip: Polymer mesh (polyester or polyethylene) recommended in writing by traffic-coating manufacturer, as required by manufacturer

2.5 SOURCE LIMITATIONS

A. Obtain primary traffic-coating materials, including primers, from single source from single traffic-coating manufacturer. Obtain accessory materials including aggregates, sheet flashings, joint sealants, and substrate repair materials of types and from sources recommended in writing by primary material manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine surfaces to receive Work and report immediately in writing to Engineer/Architect any deficiencies in surface which render it unsuitable for proper execution of Work.

B. Coordinate and verify that related Work meets following requirements before beginning surface preparation and application:

1. Concrete surfaces are finished as acceptable for system to be installed. Correct all high points, ridges, and other defects in a manner acceptable to Engineer/Architect.
2. Curing compounds used on concrete surfaces are compatible with system to be installed.
3. Concrete surfaces have completed proper curing period for system selected.
4. Joint Sealants are compatible with traffic coatings.

3.2 PREPARATION

A. Seal all openings to occupied space to prevent cleaning materials, solvents and fumes from infiltration. All protective measures and/or ventilating systems required to prevent infiltration are incidental to this Work.

B. Concrete substrates: mechanically abrade surface to a uniform profile acceptable to manufacturer, in general conformance with ASTM D4259. Acid etching is prohibited.

C. Remove all laitance and surface contaminants, including oil, grease and dirt as specified by manufacturer’s written recommendations.

D. Remove all debonded traffic coatings as determined by site inspection. Remove all laitance and surface contaminants, including oil, grease and dirt, by shot blasting and appropriate degreasers, or as specified by manufacturer’s written recommendations to provide warranty.

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E. Before applying materials, apply system to small area to assure that it will adhere to substrate and joint sealants and dry properly and to evaluate appearance.

F. All cracks on concrete surface shall be prepared in accordance with manufacturer's recommendations.

1. All random cracks on concrete surface less than 0.03 in. wide and showing no evidence of water and/or salt water staining on ceiling below shall receive detail coat unless more complete treatment required in accordance with manufacturer's recommendations.

a. Rout and seal random cracks, construction joints and control joints prior to installation of primer or base coat. Crack preparation including installation of joint sealant material, where required, is incidental to traffic coating work.

G. Mask off adjoining surfaces not to receive traffic coating and mask off drains to prevent spillage and migration of liquid materials outside membrane area. Provide neat/straight lines at termination of traffic coating.

3.3 INSTALLATION/APPLICATION

A. Installation should include all of the following steps or in accordance with manufacturer's written instructions and specifications:

1. Surface Preparation: Prepare concrete for system application.
2. Crack/Construction/Control/Cove Joint Sealing: Detail for crack bridging.

a. If reinforcing mesh is utilized at joints, ensure mesh is installed and fully embedded in base coat without bunching, wrinkles, fish mouths or protrusions above the surface of the base coat in which it is embedded.

3. Primer Coat: Insure proper adhesion of membrane to substrate.
4. Base Coat: Provide crack spanning in conjunction with Crack Detail noted above and provide monolithic coating without pinholes, blisters, or voids in coating,
5. Wear Coat providing skid and wear resistance.

a. Aggregate: Correct size, shape, hardness and amount necessary to insure proper skid and wear resistance.
b. Provide monolithic coating without pinholes, blisters, or voids in coating

6. Top Coat: Lock aggregate into place, provide a maintainable surface and provide resistance to ponding water, UV degradation, color loss and chemical intrusion.

a. Provide monolithic coating without pinholes, blisters, or voids in coating
b. Not required for approved hybrid wearing course with integral aggregate.

B. A primer coat is required for all systems. No exception. Reprime areas exposed for more time than recommended by manufacturer.

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C. Schedule preparation work so dust and other contaminants from process do not fall on wet, newly coated surfaces.

D. Perform all work and apply traffic coating according to ASTM C 1127 and in accordance with manufacturer's written instructions and specifications including, but not limited to, moisture content of substrate, atmospheric conditions (including relative humidity and temperature), coverages, mil thicknesses, crack and joint detailing, and texture, and as shown on Drawings. Verify that substrates are visibly dry and free of moisture.

E. Do not apply traffic coating products until moisture content of substrates is acceptable for installation.

1. New construction projects: Do not apply traffic coating material until new concrete has been air dried at temperatures at or above 40ºF for at least 30 days after curing period specified, or test substrates to determine that the actual moisture content meets traffic coating manufacturer's requirements.
2. Existing construction restoration projects: Do not apply traffic coating material until repair concrete has adequately cured. Test substrates to determine the actual moisture content meets traffic coating manufacturer's requirements.
3. Test for moisture in new concrete slabs, at concrete repair areas, or areas suspect of moisture by one of the following methods:

    a. ASTM F2170 (relative humidity)
    b. Method recommended in writing by traffic-coating manufacturer, including but not limited to:

        1) ASTM D4263 (plastic mat test)
        2) Measuring with an electronic impedance moisture meter, per ASTM F2659
        3) ASTM F1869 (calcium chloride test; not acceptable for lightweight concrete)

F. Do not apply traffic coating membranes products until concrete has attained compressive strength to resist primer tensile adhesion values as per manufacturer's written instructions and specifications.

G. Cease material installation under adverse weather conditions, when temperatures of work area or substrate are below 40º F, or outside manufacturer's recommended limitations for installation.

H. Prepare vertical and horizontal surfaces at terminations and penetrations through traffic coatings and at expansion joints, drains, and sleeves according to manufacturer's written instructions.

I. Provide sealant cants at penetrations and at reinforced and nonreinforced, deck-to-wall butt joints.

J. Terminate edges of deck-to-deck expansion joints with preparatory base-coat strip.

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K. All adjacent vertical surfaces shall be coated with traffic coating 4 in. above coated horizontal surface. Requirement includes, but is not limited to pipes, columns, walls, curbs (full height of vertical faces of all curbs) and islands.

L. Mask off adjoining surfaces not to receive traffic coating and mask off drains to prevent spillage and migration of liquid materials outside membrane area. Provide neat/straight lines at termination of traffic coating.

M. Complete all Work under this Section before painting line stripes.

N. Clean off excess material and material smears adjacent to joints as work progresses using methods and materials approved by manufacturers.

3.4 FIELD QUALITY CONTROL

A. Develop a quality control plan for assured specified uniform membrane thickness that utilizes grid system of sufficiently small size to designate coverage area of not more than 5 gallons at specified thickness. In addition, employ wet mil gauge to continuously monitor thickness during application. Average specified wet mil thickness shall be maintained within grid during application with minimum thickness of not less than 80% of average acceptable thickness. Immediately apply more material to any area not maintaining these standards.

1. Testing Agency: employ wet mil gauge to periodically monitor thickness during application.

B. Use trial sections to determine adequacy of pre-application surface cleaning. Obtain Owner, Engineer/Architect and manufacturer acceptance of:

1. Cleaning before proceeding with traffic coating application.
2. Visual appearance of finished coating application.
3. Static coefficient of friction of 0.6, as advised in the Appendix to ADAAG
4. Pull-off test to quantify traffic coating adhesion to concrete and existing traffic coating.

3.5 PROTECTING AND CLEANING

A. Protect traffic coatings from damage and wear during remainder of construction period.

B. Clean spillage and soiling from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

END OF SECTION 07 18 00

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SECTION 07 19 00 – WATER REPELLENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. A single installer shall be responsible for providing complete water proofing system including all products specified in the following Sections:

1. Division 03 Section, “Prepackaged Repair Mortar”
2. Division 07 Section, “Traffic Coatings”
3. Division 07 Section, “Water Repellents”
4. Division 07 Section, “Concrete Joint Sealants”
5. Division 07 Section, “Expansion Joint Assemblies”

B. This Section includes penetrating concrete sealer on these surfaces:

1. Supported concrete floor and concrete roof surfaces including curbs, walks, islands and pour strips.
2. Concrete stair treads and landings.
3. Approach drives and adjoining sidewalks within construction limits.

C. Related Sections: Following Sections contain requirements that relate to this Section.

1. Division 07 Section, “Traffic Coatings”
2. Division 07 Section, “Concrete Joint Sealants”
3. Division 07 Section, “Expansion Joint Assemblies”
4. Division 09 Section, "Pavement Markings."

1.3 REFERENCES

A. ASTM International (ASTM):

1. ASTM D6489, “Standard Test Method for Determining the Water Absorption of Hardened Concrete Treated with a Water Repellent Coating.”

1.4 ADMINISTRATIVE REQUIREMENTS

A. Coordination:

1. Materials shall be compatible with materials or related Work with which they come into contact, and with materials covered by this Section.
2. Distribute reviewed submittals to all others whose Work is related.

B. Make submittals in accordance with requirements of Division 01 Section, “Submittal Procedures:”

1. See requirements of Division 01 Section, “Submittal Procedures,” Part 1 heading, “Submittal Procedures,” for limits to resubmittals.
2. See requirements of Division 01 Section, “Submittal Procedures,” Part 2 heading, “Requests for Information,” for RFI constraints.

C. Submittals and Resubmittals: Engineer will review each of Contractor’s shop drawings and/or submittal data the initial time and, should resubmittal be required, one additional time to verify that reasons for resubmittal have been addressed by Contractor and corrections made. Resubmittal changes/revisions/corrections shall be circled. Engineer will review only circled items and will not be responsible for non-circled changes/revisions/corrections and additions. Should additional resubmittals be required, Contractor shall reimburse Owner for all costs incurred, including the cost of Engineer’s services made necessary to review such additional resubmittals. Owner shall in turn reimburse Engineer.

1.5 ACTION SUBMITTALS

A. Product Data: For each type of product indicated at least 60 days prior to application.

1. Product description, technical data, appropriate applications, and limitations.
2. Areas and application rates of materials to be applied.
3. Proposed alternate application methods, if any.

1.6 INFORMATION SUBMITTALS

A. Certificates

1. Certification that products and installation comply with applicable federal, state of Wisconsin, and local EPA, OSHA and VOC requirements regarding health and safety hazards.
2. Evidence of applicator's being certified by manufacturer. Evidence shall include complete copy of manufacturer’s licensing/certification document, spelling out repair responsibility for warranty claims.

B. Field Quality Control

1. ASTM D6489 Test Results
2. Two copies of manufacturer's technical representative's log for each visit.

C. Qualification Statements

1. Manufacturer's qualifications as defined in the "Quality Assurance" article.
2. Installer's qualifications as defined in the "Quality Assurance" article.
3. Signed statement from applicator certifying that applicator has read, understood, and shall comply with all requirements of this Section.

1.7 QUALITY ASSURANCE

A. Manufacturer's Qualifications: Owner retains right to reject any manufacturer.

1. Evidence of acceptable previous work on WALKER-designed projects. If none, so state.
2. Evidence of financial stability acceptable to Engineer/Architect.
3. Listing of 20 or more projects completed with submitted system, to include:

    a. Name and location of project.
    b. Type of system applied.
    c. On-Site contact with phone number.

B. Installer's Qualifications: Owner retains right to reject any installer.

1. Evidence of compliance with Summary article paragraph "A single installer. . ."
2. Evidence that installer has successfully performed or has qualified staff who have successfully performed at least 5 verifiable years of installations similar to those involved in this Contract, and minimum 10 projects with submitted system.
3. Listing of 5 or more installations in climate and size similar to this Project performed by installer's superintendent.

C. Testing Agency: Independent testing laboratory employed by Owner and acceptable to Engineer/Architect.

D. Certifications

1. Sealer shall satisfy the current national and local Volatile Organic Compound (VOC) Emission Standards for Architectural Coatings.
2. Licensing/certification document from system manufacturer that confirms system installer is a licensed/certified applicator for the manufacturer and is legally licensed to perform work in the state of Wisconsin.
3. Licensing/certification agreement must provide following information:

    a. Applicator's financial responsibility for warranty burden under agreement terms.
    b. Manufacturer's financial responsibility for warranty burden under agreement terms.
    c. Process for dispute settlement between manufacturer and applicator in case of system failures where cause is not evident or cannot be assigned.

d. Officers' signatures for both Applicator Company and Manufacturer.
e. Commencement date of agreement and expiration date (if applicable).

1.8 DELIVERY, STORAGE, AND HANDLING

A. Deliver all materials to site in original, unopened containers, bearing following information:

1. Name of product.
2. Name of manufacturer.
3. Date of preparation.
4. Lot or batch number.

B. Store materials under cover and protect from weather. Replace packages or materials showing any signs of damage with new material at no additional cost to Owner.

C. Do not store material on slabs to be post-tensioned before final post-tensioning of slabs is accomplished. At no time shall weight of stored material being placed on slab area, after post-tensioning is completed and concrete has reached specified 28 day strength, exceed total design load of slab area. Between time final post-tensioning is accomplished and time concrete has reached specified 28 day strength, weight of stored material placed on slab area shall not exceed half total design load of slab area.

1.9 FIELD CONDITIONS

A. Weather and Substrate Conditions: Do not proceed with application (except with written recommendation of manufacturer) under any of the following conditions:

1. Ambient temperature is less than 40º F.
2. Substrate surfaces have cured for less than 1 month.
3. Rain or temperatures below 40º F predicted for a period of 24 hours.
4. Less than 24 hours after surfaces became wet.
5. Substrate is frozen or surface temperature is less than 40º F.
6. Wind velocities higher than manufacturer's specified limit to prevent solvent flash-off.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturer: Subject to compliance with requirements, provide products of one of following, only where specifically named in product category:

1. Advanced Chemical Technologies Inc. (ACT), Oklahoma City, OK.

2. Cortec Corporation (Cortec), St. Paul, MN
3. Master Builders Systems (MBS), Shakopee, MN.
4. Evonik Corporation (Evonik), Parsippany, NJ.
5. Lymtal International Inc. (Lymtal), Lake Orion, MI.
6. Sika Corporation (Sika), Lyndhurst, NJ.

2.2 MATERIALS, CONCRETE SEALER

A. Silane for Horizontal Application (90% or greater solids, 400 g/L or less VOC):

1. MasterProtect H 1000, 200 sf/g, MBS.
2. Iso-Flex 618-100 CRS, 200 sf/g, Lymtal.
3. Protectosil BHN, 200 sf/g, Evonik Corp.
4. Sikagard 705L ,200 sf/g, Sika.
5. Sil-Act ATS-100 LV, 200 sf/g, ACT.

B. Sealer for Vertical Application:

1. MasterProtect H 1000, 200 sf/g, MBS.
2. Iso-Flex 618-100 CRS, 200 sf/g, Lymtal.
3. Protectosil BHN, 200 sf/g, Evonik Corp.
4. Sikagard 705L ,200 sf/g, Sika.
5. Sil-Act ATS-100 LV, 200 sf/g, ACT.

C. Proposed substitutions: None for this project.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine surfaces to receive Work and report immediately in writing to Engineer/Architect any deficiencies in surface which render it unsuitable for proper execution of Work.

B. Coordinate and verify that related Work meets following requirements before beginning surface preparation and application:

1. Concrete surface finishes are acceptable for system to be installed.
2. Curing compounds used on concrete surfaces are compatible with system to be installed.
3. Concrete surfaces have completed proper curing period for system selected.
4. Control joint and expansion joint Work is complete and has been accepted by Engineer/Architect.

3.2 PREPARATION

A. Seal all openings to occupied space to prevent cleaning materials, solvents and fumes from infiltration. All protective measures and/or ventilating systems required to prevent infiltration are incidental to this Work.

B. Acid etching is prohibited.

C. Repair or replace all sealant materials damaged by surface preparation operations.

D. Shot blast clean all surfaces to be sealed as acceptable to sealer manufacturer before sealer application. Prepare by sandblasting all surfaces inaccessible to shotblast equipment.

E. Equipment used during floor slab cleaning shall not exceed height limitation of facility and shall not exceed 3,000 lb axle load or vehicle gross weight of 6,000 lb.

F. Mask off adjoining surfaces not to receive sealer and mask off drains to prevent spillage and migration of liquid materials outside sealer area. Provide neat/straight lines at termination of sealer.

3.3 INSTALLATION/APPLICATION

A. Do all Work in accordance with manufacturer's written instructions and specifications including, but not limited to, moisture content of substrate, atmospheric conditions (including relative humidity and temperature), coverage, mil thickness and texture, and as shown on Drawings.

B. Clean all surfaces affected by sealer material overspray and repair all damage caused by sealer material overspray to adjacent construction or property at no cost to Owner.

C. Clean off excess material as work progresses using methods and materials approved by manufacturer.

3.4 FIELD QUALITY CONTROL

A. Install 3 trial sections of sealer to verify treated surface is not glazing as result of sealer application. If application of sealer causes glazing at trial section, contact sealer manufacturer to obtain written recommendations for solving problem. Do not proceed with sealer application following trial section applications until directed to do so in writing by Engineer/Architect.

B. Testing Agency shall take a) 1 core from each trial section and b) 3 additional cores as directed by Engineer/Architect after sealer application to test for sealer effectiveness in accordance with ASTM D6489. Concrete core samples shall be taken 14 days after application of sealer. Report water absorption through top and bottom surfaces of core.

Sealer shall reduce water absorption by at least 85 percent when compared with the unsealed bottom surface.

3.5 NON-CONFORMING WORK

A. Unsatisfactory Field Quality Control test results shall be grounds for rejection of sealer or sealer application rate. Perform sealer reapplication at no additional cost to Owner.

END OF SECTION 07 19 00

SECTION 07 92 33 –CONCRETE JOINT SEALANTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 01 Specification Sections apply to this Section.

1.2 SUMMARY

A. A single installer shall be responsible for providing complete water proofing system including all products specified in the following Sections:

1. Division 07 Section, “Traffic Coatings”
2. Division 07 Section, “Water Repellents”
3. Division 07 Section, “Concrete Joint Sealants”
4. Division 07 Section, “Expansion Joint Assemblies”

B. This Section includes the following:

1. Exterior joints in the following horizontal traffic bearing surfaces:

    a. Construction joints in cast-in-place concrete.
    b. Control joints in slab-on-grade, pour strips, slabs and topping slabs.
    c. Perimeter of all floor drains.
    d. Perimeter of floor penetrations identified on the Drawings.
    e. Other joints as indicated on the Drawings.

2. Exterior joints in the following vertical and horizontal non-traffic surfaces:

    a. Joint between perimeter cast-in-place columns and precast façade wall panels.
    b. Cove joints at intersection of horizontal and vertical concrete.
    c. Other joints as indicated on the Drawings.

C. Related Sections: Following Sections contain requirements that relate to this Section.

1. Division 07 Section, “Traffic Coatings.”
2. Division 07 Section, “Water Repellents.”
3. Division 07 Section, “Expansion Joint Assemblies.”
4. Division 09 Section, "Pavement Markings."

1.3 ADMINISTRATIVE REQUIREMENTS

A. Coordination:

1. Materials shall be compatible with materials or related Work with which they come into contact, and with materials covered by this Section.
2. Distribute reviewed submittals to all others whose Work is related.
3. Coordinate layout of joint system and approve methods for providing joints with precast concrete and concrete contractors.
4. Inspect site and precast plant before precast production to insure proper joint configuration.

1.4 ACTION SUBMITTALS

A. Product Data: For each system indicated at least 7 days prior to application.

1. Product description, technical data, appropriate applications and limitations.
2. Primer type and application rate

B. Samples:

1. One for each system indicated.

C. Sample Warranty: For each system indicated.

1.5 INFORMATION SUBMITTALS

A. Certificates:

1. Evidence of installer's being certified by manufacturer. Evidence shall include complete copy of manufacturer’s licensing/certification document, spelling out repair responsibility for warranty claims.
2. Certification from the Manufacturer that joint details as specified are acceptable for system to be installed at least 1 month before placement of any concrete which will receive joint sealant.

B. Field Quality Control:

1. Two copies each of manufacturer's technical representative's log for each visit.
2. Testing agency field and test reports.

C. Qualification Statements:

1. Manufacturer’s qualifications as defined in the “Quality Assurance” article.
2. Installer’s qualifications as defined in the “Quality Assurance” article.
3. Signed statement from this Section applicator certifying that applicator has read, understood, and shall comply with all requirements of this Section.

1.6 CLOSEOUT SUBMITTALS

A. Final executed Warranty.

1.7 QUALITY ASSURANCE

A. Manufacturer’s Qualifications: Owner retains right to reject any manufacturer.

1. Evidence of acceptable previous work on WALKER-designed projects. If none, so state.
2. Evidence of financial stability acceptable to Engineer/Architect.
3. Listing of 20 or more projects completed with submitted sealant, to include:

    a. Name and location of project.
    b. Type of sealant applied.
    c. On-Site contact with phone number.

B. Manufacturer's technical representative, acceptable to Engineer/Architect, shall be on site during surface preparation and initial stages of installation.

C. Installer’s Qualifications: Owner retains right to reject any installer or subcontractor.

1. Installer shall be legally licensed to perform work in the state of Wisconsin. Evidence of compliance with Summary article paragraph "A single installer. . ."
2. Evidence that installer has successfully performed or has qualified staff who have successfully performed at least 5 verifiable years of installations similar to those involved in this Contract, and minimum 10 projects with submitted sealant.
3. Listing of 5 or more installations in climate and size similar to this Project performed by installer’s superintendent.

D. Certifications:

1. Licensing/certification document from system manufacturer that confirms sealant installer is a licensed/certified applicator for the manufacturer and is legally licensed to perform work in the state of Wisconsin.
2. Licensing/certification agreement shall include following information:

    a. Applicator’s financial responsibility for warranty burden under agreement terms.
    b. Manufacturer’s financial responsibility for warranty burden under agreement terms.
    c. Process for dispute settlement between manufacturer and applicator in case of system failures where cause is not evident or cannot be assigned.
    d. Authorized signatures for both Applicator Company and Manufacturer.
    e. Commencement date of agreement and expiration date (if applicable).

1.8 DELIVERY, STORAGE, AND HANDLING

A. Deliver all materials to site in original, unopened containers, bearing following information:

1. Name of product.

2. Name of manufacturer.
3. Date of preparation.
4. Lot or batch number.

B. Store materials under cover and protect from weather. Replace packages or materials showing any signs of damage with new material at no additional cost to Owner.

C. Do not store material on slabs to be post-tensioned before final post-tensioning of slabs is accomplished. At no time shall weight of stored material being placed on slab area, after post-tensioning is completed and concrete has reached specified 28 day strength, exceed total design load of slab area. Between time final post-tensioning is accomplished and time concrete has reached specified 28 day strength, weight of stored material placed on slab area shall not exceed half total design load of slab area.

1.9 FIELD CONDITIONS

A. Weather and Substrate Conditions: Proceed with work only when existing and forecast weather and temperature of concrete substrate will permit work in accordance with manufacturer's recommendations.

1.10 WARRANTY

A. Manufacturer: Furnish Owner with written total responsibility Joint and Several Warranty, detailing responsibilities of manufacturer and installer with regard to warranty requirements (Joint and Several). The warranty shall provide that sealant will be free of defects, water penetration and chemical damage related to system design, workmanship or material deficiency, consisting of:

1. Any adhesive or cohesive failures.
2. Weathering.
3. Abrasion or tear failure resulting from normal traffic use.

B. If material surface shows any of defects listed above, supply labor and material to repair all defective areas and to repaint all damaged line stripes.

C. Warranty period shall be a 5 year Joint and Several Warranty commencing with date of acceptance of work.

D. Perform any repair under this warranty at no cost to Owner.

E. Address the following in the terms of the Warranty: length of warranty, change in value of warranty – if any- based on length of remaining warranty period, transferability of warranty, responsibilities of each party, notification procedures, dispute resolution procedures, and limitations of liability for direct and consequential damages.

F. Snowplows, vandalism, and abnormally abrasive maintenance equipment are not normal traffic use and are exempted from warranty.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturer: Subject to compliance with requirements, provide products of 1 of following, only where specifically named in product category:

1. BASF Building Systems (BASF), Shakopee, MN.
2. Dow Corning Corp. (Dow Corning), Midland, MI.
3. Lymtal International Inc. (Lymtal), Lake Orion, MI.
4. Pecora Corporation (Pecora), Harleysville, PA.
5. Sika Corporation (Sika), Lyndhurst, NJ.

2.2 MATERIALS, JOINT SEALANT SYSTEM

A. Provide complete system of compatible materials designed by manufacturer to produce waterproof, traffic-bearing control joints as detailed on Drawings.

B. Compounds used for sealants shall not stain masonry or concrete. Aluminum pigmented compounds not acceptable.

C. Color of sealants shall match adjacent surfaces.

D. Closed cell or reticulated backer rods: Acceptable products:

1. “Sof Rod,” Nomaco Inc., 501 NMC Drive, Zebulon, NC 27597. (800) 345-7279 ext. 341.
2. “ITP Soft Type Backer Rod,” Industrial Thermo Polymers Limited, 2316 Delaware Ave., Suite 216, Buffalo, NY 14216. (800) 387-3847.
3. “MasterSeal 921 Backer Rod,” BASF.

E. Bond breakers and fillers: as recommended by system manufacturer.

F. Primers: as recommended by sealant manufacturer.

G. Acceptable sealants are listed below. Sealants shall be compatible with all other materials in this Section and related work.

H. Acceptable polyurethane control joint sealants (traffic bearing):

1. MasterSeal SL-2 or MasterSeal SL-2 SG, BASF.
2. Iso-flex 880 GB or Iso-flex 881, Lymtal.
3. Dynatrol II-SG or Urexpan NR 200, Pecora.
4. Sikaflex-2c SL or Sikaflex-2c NS TG, Sika.

I. Acceptable polyurethane vertical and cove joints sealants (non-traffic bearing):

1. Sikaflex-2c NS EZ, Sika.

2. MasterSeal NP-2, BASF.
3. Dynatred, Pecora.
4. Iso-flex 881, Lymtal.

J. Proposed Substitutions: None for this project. Contact Engineer/Architect for consideration for future projects.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine surfaces to receive Work and report immediately in writing to Engineer/Architect any deficiencies in surface which render it unsuitable for proper execution of Work.

B. Coordinate and verify that related Work meets following requirements before beginning installation.

1. Concrete surfaces are finished as acceptable for system to be installed.
2. Curing compounds used on concrete surfaces are compatible with system to be installed.
3. Concrete surfaces have completed proper curing period for system selected.

3.2 PREPARATION

A. Seal all openings to occupied space to prevent cleaning materials, solvents and fumes from infiltration. All protective measures and/or ventilating systems required to prevent infiltration are incidental to this Work.

B. Correct unsatisfactory conditions before installing sealant system.

C. Acid etching is prohibited.

D. Grind joint edges smooth and straight with beveled grinding wheel before sealing. All surfaces to receive sealant shall be dry and thoroughly cleaned of all loose particles, laitance, dirt, dust, oil, grease or other foreign matter. Obtain written approval of method from system manufacturer before beginning cleaning.

E. Final preparation of joints shall be a sandblast with medium that removes dust and ground material from surfaces to receive sealant.

F. Check preparation of substrate for adhesion of sealant.

G. Prime and seal joints and protect as required until sealant is fully cured. A primer coat is required for all systems.

3.3 INSTALLATION/APPLICATION

A. Do all Work in strict accordance with manufacturer's written instructions and specifications including, but not limited to, moisture content of substrate, atmospheric conditions (including relative humidity and temperature), thicknesses and texture, and as shown on Drawings.

B. Completely fill joint without sagging or smearing onto adjacent surfaces.

C. Self-Leveling Sealants: Fill horizontal joints slightly recessed to avoid direct contact with wheel traffic.

D. Non-Sag Sealants: Tool joints concave: Wet tooling not permitted.

E. Clean off excess material and material smears adjacent to joints as work progresses using methods and materials approved by manufacturers.

F. Cease material installation under adverse weather conditions, or when temperatures are outside manufacturer's recommended limitations for installation, or when temperature of work area or substrate are below 40ºF.

3.4 FIELD QUALITY CONTROL

A. Contractor and Engineer/Architect will jointly determine which one of following 2 methods of sealant testing to verify sealant profile:

1. Contractor, at Engineer/Architect's direction, shall cut out lesser of 1% of total lineal footage placed or total of 100 lineal ft of joint sealant at isolated/random locations (varying from in. to ft of material) for Engineer/Architect and Manufacturer's Representative inspection of sealant profile.
2. Contractor, at Engineer/Architect's direction, shall install 3 trial joint sections of 20 ft each. Contractor shall cut out joint sections, as selected by Engineer/Architect, for Engineer/Architect and Manufacturer's Representative inspection. Additional isolated/random removals may be required where sealant appears deficient. Total cut out sealant shall not exceed lesser of 1% of total lineal footage placed or total of 100 lineal ft of joint sealant at isolated/random locations (varying from in. to ft of material) for Engineer/Architect and Manufacturer's Representative inspection of sealant profile.

B. Repair all random joint sealant "cut out" sections at no cost to Owner.

END OF SECTION 07 92 33

SECTION 07 95 00 – EXPANSION JOINT ASSEMBLIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. A single installer shall be responsible for providing complete water proofing system including all products specified in the following Sections:

1. Division 07 Section, “Traffic Coatings”
2. Division 07 Section, “Water Repellents”
3. Division 07 Section, “Concrete Joint Sealants”
4. Division 07 Section, “Expansion Joint Assemblies”

B. This Section includes the following:

1. Adhered foam compression joint system

1.3 DEFINITIONS

A. Maximum Joint Width: Widest linear gap a joint system tolerates and in which it performs its designed function without damaging its functional capabilities.

B. Minimum Joint Width: Narrowest linear gap a joint system tolerates and in which it performs its designed function without damaging its functional capabilities.

C. Movement Capability: Value obtained from the difference between widest and narrowest widths of a joint opening typically expressed in numerical values (mm or inches) or a percentage (plus or minus) of nominal value of joint width. Movement capability is to include anticipated movements from concrete shrinkage, concrete shortening and creep from post-tensioning or prestressing, cyclic thermal movements, and seismic movements.

D. Nominal Joint Width: Width of linear opening specified in practice and in which joint system is installed.

E. Nominal Form Width: Linear gap in joint system at time of forming or erection of structural elements bounding the expansion joint.

F. Service Load Level: Defined level of load under which joint assembly remains elastic and fully functional.

G. Fatigue Load Level: Defined level of load under which joint assembly remains elastic and fully functional, including all noise mitigation components, for the stated number of cycles.

H. Collapse Load Level: Defined level of load under which joint assembly remains capable of bridging the gap, although plates may yield and components may break.

1.4 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meetings: Meet at project site well in advance of time scheduled for Work to proceed to review requirements for Work and conditions that could interfere with successful expansion joint system performance. Require every party concerned with concrete formwork, blockout, concrete placement, or others required to coordinate or protect the Work thereafter, to attend. Include Engineer of Record and manufacturer's technical representative and warranty officer.

1.5 ACTION SUBMITTALS

A. Product Data: For each type of product indicated:

1. Construction details, material descriptions, dimensions, and finishes.
2. Proposed method of preparation of concrete surface to receive expansion joint systems.
3. Proposed method and details for treatment of cracks, bugholes, or other potential concrete surface defects in areas to receive expansion joint systems.
4. Temperature adjustment table showing formed gap at the time of concrete placement calculated at 10°F increments and a calculation showing joint system is capable of movement within the design temperature range.

B. Shop Drawings: For each type of product indicated:

1. Placement Drawings: Show project conditions including, but not limited to, line diagrams showing plans, elevations, sections, details, splices, blockout requirement, and terminations. Provide isometric or clearly detailed drawings depicting how components interconnect. Include reviewed and approved details from others whose work is related. Other information required to define joint placement or installation.
2. Joint System Schedule: Prepared by or under the supervision of the supplier. Include the following information in tabular form:

    a. Manufacturer and model number for each joint system.
    b. Joint system location cross-referenced to Drawings.
    c. Form width.
    d. Nominal joint width.
    e. Movement capability.
    f. Minimum and maximum joint width.
    g. Classification as thermal or seismic.

h. Materials, colors, and finishes.
i. Product options.
j. Fire-resistance ratings.

1.6 INFORMATIONAL SUBMITTALS

A. Certificates
1. ADA Certification: Prior to installation, submit written certification from manufacturer indicating that expansion joints conform to Americans with Disabilities Accessibility Guidelines for Buildings and Facilities, as published by U.S. Architectural & Transportation Barriers Compliance Board, 1331 F Street, N.W., Suite 1000, Washington, DC 20004-1111. 1-800-872-2253.

a. Submit test reports from accredited laboratory attesting to joint systems' movement capability and ADA compliance.
b. Static coefficient of friction shall meet minimum requirements of Americans with Disabilities Act (ADA).

B. Field Quality Control

1. Two copies each of manufacturer's technical representative's log for each visit.

C. Qualification Statements

1. Manufacturer's qualifications as defined in the "Quality Assurance" article.
2. Installer's qualifications as defined in the "Quality Assurance" article.
3. Evidence of manufacturer's certification of installer/applicator. Evidence shall include complete copy of manufacturer's licensing/certification document, spelling out repair responsibility for warranty claims.

1.7 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data

1. Maintenance Manual: 3 copies of System Maintenance Manual.
2. Five copies of snow removal guidelines for areas covered by warranty.

B. Warranty Documentation: 2 executed copies of the Warranty including all terms, conditions and maintenance requirements.

1.8 QUALITY ASSURANCE

A. Manufacturer Qualifications: Owner retains right to reject any manufacturer.

1. Evidence of compliance with Experience Record and Qualifications paragraph below.

2. Copy of sample warranty that meets the requirements of the “Warranty” article in Section 1.
3. Evidence of compliance with "Single Installer" requirement.

B. Installer Qualifications: An employer of workers, including superintendent for this project, trained and approved by manufacturer.

C. Certifications

1. Provide reports to Owner detailing maintenance activities have been performed in accordance with written maintenance agreement for expansion joints.
2. Materials shall be compatible with materials or related Work with which they come into contact and the related materials sections.
3. Manufacturer/Applicator: Review and approve all details before construction. Confirm in writing to Owner.

1.9 DELIVERY, STORAGE AND HANDLING

A. Deliver all materials to site in original, unopened containers, bearing following information:

1. Name of product.
2. Name of manufacturer.
3. Date of preparation.
4. Lot or batch number.

B. Store materials under cover and protect from weather. Replace packages or materials showing any signs of damage with new material at no additional cost to Owner.

1.10 WARRANTY

A. Warranty period shall be a 5 year Joint and Several Warranty commencing with date of acceptance of work.

B. Installation Requirements: Include a written plan of construction and coordination requirements, to allow joint system installation to proceed with specified warranty, that specifically addresses the following:

1. Block out acceptance criteria.
2. Surface preparation acceptance criteria.
3. Crack, surface defect, and detailing recommendations.
4. Method of protection of surrounding surfaces.
5. Method of expansion joint system installation description.
6. Primer type and application rate.
7. Method of preparation of all glands and reinforced membranes.
8. Temperature, humidity and other weather constraints. Specify substrate moisture testing criteria, if any.

9. Final cure time before removal of protection, resumption of traffic, and/or paint striping.
10. Any other special instructions required to ensure proper installation.

C. Quality Service Requirements: Show evidence of licensed/approved installer. List of names, addresses and phone numbers, with copies of certification/approval agreement with each, satisfies requirement. Licensing/certification agreement shall include following information:

1. Installer's financial responsibility for warranty burden under agreement terms.
2. Manufacturer's financial responsibility for warranty burden under agreement terms.
3. Process for dispute settlement between manufacturer and installer in case of system failures where cause is not evident or cannot be assigned.
4. Authorized signatures for both Installer Company and Manufacturer.
5. Commencement date of agreement and expiration date (if applicable).
6. Provide copy of contractor's field application quality control procedures.

D. Manufacturer: Furnish Owner with written total responsibility Joint and Several Warranty, detailing responsibilities of manufacturer and installer with regard to warranty requirements (Joint and Several). The warranty shall provide that expansion joints will be free of defects, water penetration and chemical damage related to system design, workmanship or material deficiency, consisting of: Warranty shall provide that system shall be free of defects, water penetration and chemical damage related to system design, workmanship or material deficiency, consisting of:

1. Any water leakage through expansion joint system or leaking conditions of reinforced membrane, other waterproofing components, or glands.
2. Any adhesive or cohesive failures of the system.
3. Tears, weathering, or degradation in gland from normal use.
4. Expansion joint glands are considered defective if they buckle upwards beyond the level of the floor surface after installation or downward in excess of ½ inch below the floor surface.

E. If expansion joint systems or components show any of defects listed above, supply labor and material to repair all defects at no cost to Owner.

PART 2 - PRODUCTS

2.1 SYSTEM DESCRIPTION

A. A single Installer shall be responsible for providing complete expansion joint system. Obtain all joint systems through one source from a single manufacturer.

B. Drawings indicate size, profiles, and dimensional requirements of joint systems and are schematic for systems indicated.

C. Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for review.

2.2 MANUFACTURERS

A. Subject to compliance with requirements, provide products from one of following manufacturers (listed in alphabetical order), only where specifically named in product categories:

1. Balco Inc., Wichita, KS (Balco).
2. Construction Specialties, Inc., Muncy, PA (C/S).
3. Dow Corning Corp., Midland, MI (Dow Corning).
4. Emseal Joint Systems, Westborough, MA (Emseal).
5. Erie Metal Specialties, Inc., Akron, NY (EMS).
6. Inpro Jointmaster, Muskego, WI (Jointmaster)
7. Lymtal International Inc. Lake Orion, MI (Lymtal).
8. MM Systems Corporation, Atlanta, GA (MM).
9. TechStar, Inc., Findlay, OH (TechStar).
10. Watson Bowman Acme Corporation, (WBA).

2.3 PRODUCTS, STANDARD EXPANSION JOINT SYSTEMS

A. Adhered foam compression joint system.

1. DSM System, Emseal.
2. Wabo HSeal, WBA
3. Iso-Flex H-S, Lymtal
4. CSBHT-Series, EMS

B. Substitutions: **None** for this project.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine surfaces and blockouts where expansion joint systems will be installed for installation tolerances and other conditions affecting performance of Work.

B. Check elevations on each side of expansion joint gap to ensure flush slab-to-slab transition.

C. Check anticipated or actual minimum and maximum joint openings. Compare to manufacturer’s movement specifications and make joint sizing recommendations.

D. Where splicing with existing expansion joint, new expansion joint shall match existing. Contractor to determine existing joint and provide matching joint material.

E. Coordinate and verify that related Work meets following requirements:

1. Check adhesion to substrates and recommend appropriate preparatory measures.
2. Curing compounds used on concrete surfaces are compatible with Work to be installed.
3. Concrete surfaces have completed proper curing period for system selected.
4. Coordinate expansion joint system with other related Work before installation of expansion joint.
5. Verify expansion joints are compatible with Joint Sealants and traffic toppings.

F. Proceed with installation only after unsatisfactory conditions have been corrected.

G. Cease installation if expansion joint blockouts and/or openings exhibit cracked edges, voids or spalls. Repair with approved material prior to installation of expansion joint.

H. Correct unsatisfactory conditions in manner acceptable to Manufacturer and Engineer before installing joint system.

3.2 PREPARATION

A. Prepare for installation of expansion joint systems in accordance with manufacturer's recommendations

B. Surface Preparation:

1. Acid etching: Prohibited.
2. Prepare substrates according to joint system manufacturer's written instructions.
3. Clean joints thoroughly in accordance with manufacturer's instructions to remove all laitance, unsound concrete and curing compounds which may interfere with adhesion.

3.3 INSTALLATION

A. Comply with manufacturer's written instructions for storing, handling, and installing joint assemblies and materials unless more stringent requirements are indicated.

B. Proceed with work only when existing and forecast weather and temperature of concrete substrate will permit work in accordance with manufacturer's recommendations.

C. Cease material installation under adverse weather conditions, or when temperatures are outside manufacturers recommended limitations for installation, or when temperature of work area or substrate are below 40ºF.

D. During months when historic mean daily temperature at Project is more than 19° F. colder than annual mean daily temperature, do not proceed. Provide permanent installation during acceptable weather conditions.

E. Terminate exposed ends of joint assemblies with field- or factory-fabricated termination devices.

F. Seal all openings to occupied spaces to prevent cleaning materials, solvents and fumes from infiltration. All protective measures and/or ventilating systems required to prevent infiltration are incidental to this Work.

G. Clean off excess material and material smears adjacent to joints as work progresses using methods and materials approved by manufacturer.

3.4 FIELD QUALITY CONTROL

A. Field Tests and Inspections: Prior to opening to traffic, test joint seal for leaks by maintaining continuously wet for 1 hours. Repair leaks revealed by examination of seal underside. Repeat test and repairs until all leaks stopped.

B. Manufacturer Services: Provide qualified manufacturer’s technical representative for periodic inspection of Work at critical time of the installation, including but not limited to pre-concrete formwork and placement site meetings, block out inspection, surface defect repair, surface preparation, metal work, expansion gland installation and waterproofing system installation.

3.5 PROTECTION

A. Do not remove protective covering until finish work in adjacent areas is complete. When protective covering is removed, clean exposed metal surfaces to comply with manufacturer's written instructions.

B. Protect installation from damage by work of other Sections. Where necessary due to heavy construction traffic, remove and properly store cover plates or seals and install temporary protection over joints. Reinstall cover plates or seals prior to Substantial Completion of Work.

END OF SECTION 07 95 00

SECTION 08 11 13 - HOLLOW METAL DOORS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Exterior standard steel doors and frames.

1.2 DEFINITIONS

A. Minimum Thickness: Minimum thickness of base metal without coatings in accordance with NAAMM-HMMA 803 or ANSI/SDI A250.8.

1.3 COORDINATION

A. Coordinate anchorage installation for hollow-metal frames. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors. Deliver such items to Project site in time for installation.

B. Coordinate requirements for installation of door hardware, electrified door hardware, and access control and security systems.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include construction details, material descriptions, core descriptions, fire-resistance ratings, and finishes.

B. Shop Drawings: Include the following:

1. Elevations of each door type.
2. Details of doors, including vertical- and horizontal-edge details and metal thicknesses.
3. Frame details for each frame type, including dimensioned profiles and metal thicknesses.
4. Locations of reinforcement and preparations for hardware.
5. Details of each different wall opening condition.
6. Details of electrical raceway and preparation for electrified hardware, access control systems, and security systems.
7. Details of anchorages, joints, field splices, and connections.
8. Details of accessories.

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9. Details of moldings, removable stops, and glazing.

C. Product Schedule: For hollow-metal doors and frames, prepared by or under the supervision of supplier, using same reference numbers for details and openings as those on Drawings. Coordinate with final door hardware schedule.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For door inspector.

1. Fire-Rated Door Inspector: Submit documentation of compliance with NFPA 80, Section 5.2.3.1.
2. Egress Door Inspector: Submit documentation of compliance with NFPA 101, Section 7.2.1.15.4.
3. Submit copy of DHI Fire and Egress Door Assembly Inspector (FDAI) certificate.

B. Product Test Reports: For each type of fire-rated hollow-metal door and frame assembly windborne-debris impact resistance door for tests performed by a qualified testing agency indicating compliance with performance requirements.

C. Field quality control reports.

1.6 CLOSEOUT SUBMITTALS

A. Record Documents: For fire-rated doors, list of door numbers and applicable room name and number to which door accesses.

1.7 QUALITY ASSURANCE

A. Fire-Rated Door Inspector Qualifications: Inspector for field quality control inspections of fire-rated door assemblies shall meet the qualifications set forth in NFPA 80, section 5.2.3.1 and the following:

1. Door and Hardware Institute Fire and Egress Door Assembly Inspector (FDAI) certification.

B. Egress Door Inspector Qualifications: Inspector for field quality control inspections of egress door assemblies shall meet the qualifications set forth in NFPA 101, Section 7.2.1.15.4 and the following:

1. Door and Hardware Institute Fire and Egress Door Assembly Inspector (FDAI) certification.

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1.8 DELIVERY, STORAGE, AND HANDLING

A. Deliver hollow-metal doors and frames palletized, packaged, or crated to provide protection during transit and Project-site storage. Do not use non-vented plastic.

1. Provide additional protection to prevent damage to factory-finished units.

B. Store hollow-metal doors and frames vertically under cover at Project site with head up. Place on minimum 4-inch-high wood blocking. Provide minimum 1/4-inch space between each stacked door to permit air circulation.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Airtec Corporation.
2. Apex Industries, Inc.
3. BARON Metal Industries, Inc.; ASSA ABLOY of Canada, Ltd.; ASSA ABLOY.
4. Ceco Door; AADG, Inc.; ASSA ABLOY.
5. Concept Frames, AADG, Inc.; ASSA ABLOY Group.
6. Curries, AADG, Inc.; ASSA ABLOY Group.
7. Custom Metal Products.
8. DCI Hollow Metal on Demand.
9. DE LA FONTAINE.
10. DKS Steel Door & Frame Systems, Inc.
11. Daybar Industries, Ltd.
12. Deansteel Manufacturing Company, Inc.
13. Deronde Products.
14. Fleming Door Products Ltd.; ASSA ABLOY Group.
15. Gensteel Doors.
16. HMF Express.
17. Hollow Metal Xpress.
18. Republic Doors and Frames; an Allegion brand.
19. Rocky Mountain Metals, Inc.
20. Security Metal Products; a brand of ASSA ABLOY.
21. Steelcraft; Allegion plc.
22. Steward Steel, Door & Frame Division.
23. Stiles Custom Metal, Inc.
24. Titan Metal Products.
25. Trillium Steel Doors Limited.
26. West Central Manufacturing, Inc.

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2.2 PERFORMANCE REQUIREMENTS

A. Fire-Rated Door Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a qualified testing agency acceptable to authorities having jurisdiction for fire-protection ratings indicated on Drawings, based on testing at positive pressure in accordance with NFPA 252 or UL 10C.

2.3 EXTERIOR STANDARD STEEL DOORS AND FRAMES

A. Construct hollow-metal doors and frames to comply with standards indicated for materials, fabrication, hardware locations, hardware reinforcement, tolerances, and clearances, and as specified.

2.4 HOLLOW-METAL PANELS

A. Provide hollow-metal panels of same materials, construction, and finish as adjacent door assemblies.

2.5 FRAME ANCHORS

A. Jamb Anchors:

1. Type: Anchors of minimum size and type required by applicable door and frame standard, and suitable for performance level indicated.
2. Quantity: Minimum of three anchors per jamb, with one additional anchor for frames with no floor anchor. Provide one additional anchor for each 24 inches of frame height above 7 feet .
3. Post-installed Expansion Anchor: Minimum 3/8-inch-diameter bolts with expansion shields or inserts, with manufacturer's standard pipe spacer.

B. Floor Anchors: Provide floor anchors for each jamb and mullion that extends to floor.

C. Floor Anchors for Concrete Slabs with Underlayment: Adjustable-type anchors with extension clips, allowing not less than 2-inch height adjustment. Terminate bottom of frames at top of underlayment.

D. Material: ASTM A879/A879M, Commercial Steel (CS), 04Z coating designation; mill phosphatized.

1. For anchors built into exterior walls, steel sheet complying with ASTM A1008/A1008M or ASTM A1011/A1011M; hot-dip galvanized in accordance with ASTM A153/A153M, Class B.

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2.6 MATERIALS

A. Cold-Rolled Steel Sheet: ASTM A1008/A1008M, Commercial Steel (CS), Type B; suitable for exposed applications.

B. Hot-Rolled Steel Sheet: ASTM A1011/A1011M, Commercial Steel (CS), Type B; free of scale, pitting, or surface defects; pickled and oiled.

C. Metallic-Coated Steel Sheet: ASTM A653/A653M, Commercial Steel (CS), Type B.

D. Inserts, Bolts, and Fasteners: Hot-dip galvanized in accordance with ASTM A153/A153M.

E. Power-Actuated Fasteners in Concrete: Fastener system of type suitable for application indicated, fabricated from corrosion-resistant materials, with clips or other accessory devices for attaching hollow-metal frames of type indicated.

F. Mineral-Fiber Insulation: ASTM C665, Type I (blankets without membrane facing); consisting of fibers manufactured from slag or rock wool; with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively; passing ASTM E136 for combustion characteristics.

2.7 FABRICATION

A. Hollow-Metal Frames: Fabricate in one piece except where handling and shipping limitations require multiple sections. Where frames are fabricated in sections, provide alignment plates or angles at each joint, fabricated of metal of same or greater thickness as frames.

1. Provide countersunk, flat- or oval-head exposed screws and bolts for exposed fasteners unless otherwise indicated.
2. Door Silencers: Except on weather-stripped frames, drill stops to receive door silencers as follows. Keep holes clear during construction.

    a. Single-Door Frames: Drill stop in strike jamb to receive three door silencers.
    b. Double-Door Frames: Drill stop in head jamb to receive two door silencers.

B. Hardware Preparation: Factory prepare hollow-metal doors and frames to receive templated mortised hardware, and electrical wiring; include cutouts, reinforcement, mortising, drilling, and tapping in accordance with ANSI/SDI A250.6, the Door Hardware Schedule, and templates.

1. Reinforce doors and frames to receive non-templated, mortised, and surface-mounted door hardware.
2. Comply with BHMA A156.115 for preparing hollow-metal doors and frames for hardware.

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2.8 STEEL FINISHES

A. Prime Finish: Clean, pretreat, and apply manufacturer's standard primer.

1. Shop Primer: Manufacturer's standard, fast-curing, lead- and chromate-free primer complying with ANSI/SDI A250.10; recommended by primer manufacturer for substrate; compatible with substrate and field-applied coatings despite prolonged exposure.

B. Factory Finish: Clean, pretreat, and apply manufacturer's standard two-coat, baked-on finish consisting of prime coat and thermosetting topcoat, complying with ANSI/SDI A250.3.

PART 3 - EXECUTION

3.1 PREPARATION

A. Drill and tap doors and frames to receive nontemplated, mortised, and surface-mounted door hardware.

3.2 INSTALLATION

A. Install hollow-metal doors and frames plumb, rigid, properly aligned, and securely fastened in place. Comply with approved Shop Drawings and with manufacturer's written instructions.

B. Hollow-Metal Frames: Comply with ANSI/SDI A250.11.

1. Set frames accurately in position; plumbed, aligned, and braced securely until permanent anchors are set. After wall construction is complete, remove temporary braces without damage to completed Work.

    a. Where frames are fabricated in sections, field splice at approved locations by welding face joint continuously; grind, fill, dress, and make splice smooth, flush, and invisible on exposed faces. Touch-up finishes.
    b. Install frames with removable stops located on secure side of opening.

2. Fire-Rated Openings: Install frames in accordance with NFPA 80.
3. Floor Anchors: Secure with post-installed expansion anchors.

    a. Floor anchors may be set with power-actuated fasteners instead of post-installed expansion anchors if so indicated and approved on Shop Drawings.
4. Masonry Walls: Coordinate installation of frames to allow for solidly filling space between frames and masonry with grout or mortar.
5. In-Place Concrete or Masonry Construction: Secure frames in place with post-installed expansion anchors.

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6. Installation Tolerances: Adjust hollow-metal frames to the following tolerances:

    a. Squareness: Plus or minus 1/16 inch, measured at door rabbet on a line 90 degrees from jamb perpendicular to frame head.
    b. Alignment: Plus or minus 1/16 inch, measured at jambs on a horizontal line parallel to plane of wall.
    c. Twist: Plus or minus 1/16 inch, measured at opposite face corners of jambs on parallel lines, and perpendicular to plane of wall.
    d. Plumbness: Plus or minus 1/16 inch, measured at jambs at floor.

C. Hollow-Metal Doors: Fit and adjust hollow-metal doors accurately in frames, within clearances specified below.

1. Non-Fire-Rated Steel Doors: Comply with ANSI/SDI A250.8.
2. Fire-Rated Doors: Install doors with clearances in accordance with NFPA 80.

3.3 FIELD QUALITY CONTROL

A. Inspections:

1. Fire-Rated Door Inspections: Inspect each fire-rated door in accordance with NFPA 80, Section 5.2.

B. Repair or remove and replace installations where inspections indicate that they do not comply with specified requirements.

C. Reinspect repaired or replaced installations to determine if replaced or repaired door assembly installations comply with specified requirements.

D. Prepare and submit separate inspection report for each fire-rated door assembly indicating compliance with each item listed in NFPA 80.

3.4 REPAIR

A. Prime-Coat Touchup: Immediately after erection, sand smooth rusted or damaged areas of prime coat and apply touchup of compatible air-drying, rust-inhibitive primer.

B. Metallic-Coated Surface Touchup: Clean abraded areas and repair with galvanizing repair paint according to manufacturer's written instructions.

C. Factory-Finish Touchup: Clean abraded areas and repair with same material used for factory finish according to manufacturer's written instructions.

D. Touchup Painting: Cleaning and touchup painting of abraded areas of paint are specified in painting Sections.

END OF SECTION 08 11 13

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SECTION 09 91 13 - EXTERIOR PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract and Division 01 Specification Sections apply to this Section.

1.2 SUMMARY

A. Section includes surface preparation and the application of paint systems on the following exterior substrates:

1. Steel and iron.
2. Galvanized metal.

1.3 DEFINITIONS

A. MPI Gloss Level 1 (Matte Finish): Not more than five units at 60 degrees and 10 units at 85 degrees, according to ASTM D 523.

B. MPI Gloss Level 3 ('Egg-Shell-Like' Finish): 10 to 25 units at 60 degrees and 10 to 35 units at 85 degrees, according to ASTM D 523.

C. MPI Gloss Level 4 ('Satin-Like' Finish): 20 to 35 units at 60 degrees and not less than 35 units at 85 degrees, according to ASTM D 523.

D. MPI Gloss Level 5 (Semi-Gloss): 35 to 70 units at 60 degrees, according to ASTM D 523.

E. MPI Gloss Level 6 (Gloss): 70 to 85 units at 60 degrees, according to ASTM D 523.

1.4 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials**,** from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Paint: 5 percent, but not less than 1 gal. of each material and color applied.

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1.5 QUALITY ASSURANCE

A. Mockups: Apply mockups of each paint system indicated and each color and finish selected to verify preliminary selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.

1. Architect will select one surface to represent surfaces and conditions for application of each paint system.

    a. Vertical and Horizontal Surfaces: Provide samples of at least 100 sq. ft.
    b. Other Items: Architect will designate items or areas required.

2. Final approval of color selections will be based on mockups.

    a. If preliminary color selections are not approved, apply additional mockups of additional colors selected by Architect at no added cost to Owner.

3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Engineer specifically approves such deviations in writing.
4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 degrees F.

1. Maintain containers in clean condition, free of foreign materials and residue.
2. Remove rags and waste from storage areas daily.

1.7 FIELD CONDITIONS

A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 degrees F.

B. Do not apply paints in rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 degrees F above the dew point; or to damp or wet surfaces.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

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1. Behr Process Corporation.
2. Benjamin Moore & Co.
3. California Paints.
4. Conco Paints.
5. Coronado Paint; Benjamin Moore Company.
6. Diamond Vogel Paints.
7. Dulux (formerly ICI Paints); a brand of AkzoNobel.
8. Dunn-Edwards Corporation.
9. Duron, Inc.
10. Frazee Paint; Comex Group.
11. Glidden Professional.
12. Kelly-Moore Paint Company Inc.
13. Kwal Paint; Comex Group.
14. M.A.B. Paints.
15. Parker Paint; Comex Group.
16. PPG Architectural Finishes, Inc.
17. Pratt & Lambert.
18. Rodda Paint Co.
19. Rust-Oleum Corporation; a subsidiary of RPM International, Inc.
20. Sherwin-Williams Company (The).
21. Zinsser; Rust-Oleum Corporation.

2.2 PAINT, GENERAL

A. MPI Standards: Products shall comply with MPI standards indicated and shall be listed in its "MPI Approved Products Lists."

B. Material Compatibility:

1. Materials for use within each paint system shall be compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
2. For each coat in a paint system, products shall be recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.

C. VOC Content: For field applications, paints and coatings shall comply with VOC content limits of authorities having jurisdiction and the following VOC content limits:

1. Flat Paints and Coatings: 50 g/L.
2. Nonflat Paints and Coatings: 50 g/L.
3. Dry-Fog Coatings: 150 g/L.
4. Primers, Sealers, and Undercoaters: 100 g/L.
5. Rust-Preventive Coatings: 100 g/L.
6. Zinc-Rich Industrial Maintenance Primers: 100 g/L.
7. Pretreatment Wash Primers: 420 g/L.

D. Colors: Match existing color, unless noted otherwise.

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PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.

B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows: Percentages in six subparagraphs below are based on "MPI Manual.

1. Concrete: 12 percent.
2. Masonry (Clay and CMUs): 12 percent.

C. Exterior Gypsum Board Substrates: Verify that finishing compound is sanded smooth.

D. Verify suitability of substrates, including surface conditions and compatibility, with existing finishes and primers.

E. Proceed with coating application only after unsatisfactory conditions have been corrected.

1. Application of coating indicates acceptance of surfaces and conditions.

3.2 PREPARATION

A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and paint systems indicated.

B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.

1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection.

C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.

1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.

D. Concrete Substrates: Remove release agents, curing compounds, efflorescence, and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces to be painted exceeds that permitted in manufacturer's written instructions.

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E. Masonry Substrates: Remove efflorescence and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceeds that permitted in manufacturer's written instructions.

F. Steel Substrates: Remove rust, loose mill scale, and shop primer if any. Clean using methods recommended in writing by paint manufacturer**.**

G. Galvanized-Metal Substrates: Remove grease and oil residue from galvanized sheet metal by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.

3.3 APPLICATION

A. Apply paints according to manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual."

1. Use applicators and techniques suited for paint and substrate indicated.
2. Paint surfaces behind movable items same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed items with prime coat only.
3. Paint both sides and edges of exterior doors and entire exposed surface of exterior door frames.
4. Paint entire exposed surface of window frames and sashes.
5. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
6. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturers.

B. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

3.4 FIELD QUALITY CONTROL

A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.

1. Contractor shall touch up and restore painted surfaces damaged by testing.
2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written recommendations.

3.5 CLEANING AND PROTECTION

A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

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B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.

C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Engineer, and leave in an undamaged condition.

D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.6 EXTERIOR PAINTING SCHEDULE

A. Concrete Substrates, Non-traffic Surfaces:

1. Latex System MPI EXT 3.1A:

a. Prime Coat: Primer, alkali resistant, water based, MPI #3.

1) Benjamin Moore; Ultra Spec - Masonry Int/Ext 100 Acrylic Sealer.
2) Sherwin-Williams; Loxon - Loxon Concrete & Masonry Primer.
3) PPG Architectural; PPG Paints – Seal Grip Int/Ext Acrylic Universal Primer/Sealer.
4) Equivalent products by other manufacturers and approved by Architect/Engineer.

b. Topcoat: Latex, exterior, satin finish.

1) Benjamin Moore; Ultra Spec – Exterior Satin Finish.
2) Sherwin-Williams; SuperPaint – Exterior Latex Satin.
3) PPG Architectural; PPG Paints – Ultra-Hide 150 Exterior Acrylic Satin.

B. CMU Substrates:

1. Latex System MPI EXT 4.2A:

a. Prime Coat: Block filler, latex, interior/exterior, MPI #4.

1) Benjamin Moore; Ultra Spec - Int/Ext High-Build Masonry Block Filler.
2) Sherwin-Williams; PrepRite – Int/Ext Block Filler.
3) PPG Architectural; PPG Paints - Speedhide Int/Ext. Masonry Hi Fill Latex Block Filler.
4) Equivalent products by other manufacturers and approved by Architect/Engineer.

b. Topcoat: Latex, exterior, satin finish.

1) Benjamin Moore; Ultra Spec - Exterior Satin Finish.
2) Sherwin-Williams; SuperPaint – Exterior Latex Satin.

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3) PPG Architectural; PPG Paints - Speedhide Exterior 100% Acrylic Latex Satin.

C. Steel and Iron Substrates:

1. Alkyd System:

a. Prime Coat: Primer, alkyd, anticorrosive, for metal, MPI #79.

1) Benjamin Moore; Super Spec HP – Alkyd Metal Primer.
2) Sherwin-Williams; Protective & Marine - Kem Kromik Universal Primer.
3) Equivalent products by other manufacturers and approved by Architect/Engineer.

b. Topcoat: Alkyd, exterior, gloss (MPI Gloss Level 6), MPI #9.

1) Benjamin Moore; Corotech - Alkyd Gloss Enamel.
2) Sherwin-Williams; Protective & Marine - Seaguard 1000 Marine.
3) Equivalent products by other manufacturers and approved by Architect/Engineer.

D. Galvanized-Metal Substrates:

1. Latex System MPI EXT 5.3H:

a. Prime Coat: Primer, galvanized, water based**,** MPI #134.

1) Behr Paint; Premium Plus - Exterior Multi-Surface Primer & Sealer.
2) Sherwin-Williams; Pro Industrial - DTM Acrylic Primer/Finish
3) Equivalent products by other manufacturers and approved by Architect/Engineer.

b. Intermediate Coat: Latex, exterior, matching topcoat.
c. Topcoat: Latex, exterior, gloss (MPI Gloss Level 6), MPI #119.

1) Behr Paint; Behr Plus - Int/Ext Hi-Gloss Enamel.
2) Sherwin-Williams; Pro Industrial – DTM Acrylic Gloss
3) Equivalent products by other manufacturers and approved by Architect/Engineer.

END OF SECTION 09 91 13

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SECTION 09 91 21 - PAVEMENT MARKING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Contract Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections apply to this Section.

1.2 SUMMARY

A. This Section includes surface preparation and application of high build paint systems to replace existing for the items of types, patterns, sizes, and colors described in this article.

B. Provide the following systems that are covered up as part of the traffic topping work:

1. Parking Stall Stripes.

C. Provide painting of curbs and curb ramps as described in the following paragraphs:

1. Paint vertical surface and the first 6 in. of the abutting horizontal surface at the top of all curbs and islands (including PARCS equipment islands) within parking facility to match existing, unless otherwise noted on the Drawings.
2. Paint color for curbs and curb ramps shall be yellow.

D. Proportion International Symbol of Accessibility in accordance with ICC A117.1-2009 Accessible and Usable Buildings or 2010 ADA Standards for Accessible Design.

E. Related Work:

1. Pavement Marking Contractor shall verify compatibility with sealers, joint sealants, caulking and all other surface treatments as specified in Division 07.

1.3 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Provide product data as follows:

1. Manufacturer’s certification that the material complies with standards referenced within this Section.
2. Intended paint use.
3. Pigment type and content.
4. Vehicle type and content.

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C. Submit list of similar projects (minimum of 5) where pavement-marking paint has been in use for a period of not less than 2 yrs.

D. See requirements of Division 01 Section, “Submittal Procedures,” Part 1 heading, “Submittal Procedures,” for limits to resubmittals.

E. See requirements of Division 01 Section, “Submittal Procedures,” Part 2 heading, “Requests for Information,” for RFI constraints.

1.4 PROJECT CONDITIONS

A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50- and 95-degrees F.

B. Do not apply paints in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 degrees F above the dew point; or to damp or wet surfaces.

1.5 QUALITY ASSURANCE

A. Provide written 1 year warranty to Owner that pavement markings will be free of defects due to workmanship, inadequate surface preparation, and materials including, but not limited to, fading and/or loss of markings due to abrasion, peeling, bubbling and/or delamination. Excessive delamination, peeling, bubbling or abrasion loss shall be defined as more than 15% loss of marking material within one year of substantial completion and/or occupancy of the parking area. With no additional cost to Owner, repair and/or recoat all pavement marking where defects develop or appear during warranty period and all damage to other Work due to such defects.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Pavement marking materials shall meet Federal, State and Local environmental standards.

B. Paint shall be manufactured and formulated from first grade raw materials and shall be free from defects or imperfections that might adversely affect product serviceability.

C. Paints shall comply with the National Organic Compound Emission Standards for Architectural Coatings, Environmental Protection Agency, 40 CFR Part 59.

D. The product shall not contain mercury, lead, hexavalent chromium, or halogenated solvents.

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2.2 PAVEMENT MARKING PAINTS:

A. Low VOC - Solvent based paint may be employed for white and yellow pavement markings and shall meet the requirements of MPI #32

1. Available Products: Subject to compliance with the requirements, products that may be incorporated into the Work include, but are not limited to the following:

   a. Chlorinated Rubber Traffic & Zone Marking Paint, 7493/7494, by RAE Products & Chemicals Corporation
   b. Setfast Low VOC Acrylic Marking Paint, TM 5626/5627 by Sherwin Williams Company

B. 100% acrylic waterborne - paint shall be used for white and yellow pavement markings and shall meet requirements of MPI #70.

1. Available Products: Subject to compliance with the requirements, products that may be incorporated into the Work include, but are not limited to the following:

   a. Hi-Build Latex “Liquid Thermoplastic” Traffic & Zone Marking Paint, 5430/5431, by RAE Products & Chemicals Corporation
   b. Setfast Acrylic Waterborne Marking Paint, TM 226/227 by Sherwin Williams Company

2. 100% acrylic waterborne paint for special color pavement markings (blue, green, red, black) shall meet requirements of Federal Specification TT-P-1952E. Special color marking materials shall be compatible with the white and yellow pavement markings where they are layered.

C. All products shall have performance requirements of Type I and II of Federal Standard TT-P-1952E.

2.3 COLOR OF PAINT

A. Color of paint shall match existing, unless noted otherwise on Contract Drawings:

1. White: Match federal color chip 37925 and daylight directional reflectance (without glass beads) shall not be less than 84% (relative to magnesium oxide) when tested in accordance with Federal Test Method Standard 141, Method 6121.
2. Yellow: Match federal color chip No. 33538. Color shall have daylight directional reflectance (without glass beads) of not less than 50% (relative to magnesium oxide) when tested in accordance with Federal Test Method Standard 141, Method 6121.
3. Blue: Match federal color chip No. 35180. Color shall have daylight directional reflectance (without glass beads) of not less than 52% (relative to magnesium

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oxide) when tested in accordance with Federal Test Method Standard 141, Method 6121.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of work.

B. Document the location of existing striping and traffic marking, and colors utilized prior to removal of traffic lines and markings for surface preparation.

C. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.

D. Begin coating application only after unsatisfactory conditions have been corrected and surfaces are dry.

1. Beginning coating application constitutes Contractor's acceptance of substrates and conditions.

E. Striping shall not be placed until full cure of concrete repairs, sealers or coatings. Sealers (other than silane) generally require 14 days @ 70°F or higher. Silane sealers require 24 hrs @ 70°F or higher. Bituminous surfaces generally require 30 days @ 45° F or higher. Coatings shall be fully cured

3.2 PREPARATION

A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and paint systems indicated.

B. Do not paint or finish any surface that is wet or damp.

C. Clean substrates of substances that could impair bond of paints, including dirt, dust, oil, grease, release agents, curing compounds, efflorescence, chalk, and incompatible paints and encapsulants.

D. Concrete Substrates: Do not paint surfaces if moisture content or alkalinity of surfaces to be painted exceeds that permitted in manufacturer's written instructions.

E. Lay out all striping on each tier, using existing layout, dimensions and details unless otherwise noted on Contract Drawings.

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F. Report any discrepancies, interferences or changes in striping due to field conditions to Engineer/Architect prior to painting. Pavement Marking Contractor shall be required to remove paint, repair surface treatment and repaint stripes not applied in strict accordance with Contract Drawings.

G. Where existing painted pavement markings and/or stripes conflict with new striping layout or must be removed due to installation which does not conform to contract requirements, remove existing paint markings, using care to avoid scarring substrate surface.

1. Concrete and asphalt surfaces: Material shall be removed by methods acceptable to Engineer/Architect and cause as little damage as possible to surface texture of pavement. Methods, that can provide acceptable results, are grinding and air or shot blasting. Use of chemicals to remove pavement markings prohibited. Collect residue generated by removal of pavement markings and dispose of as required by all applicable laws and regulations. If grinding is used, lightly grind floor surface using wheel mounted floor grinder or similar equipment with positive elevation control of grinder head. For all removal techniques: On test area, demonstrate to Owner acceptable removal of paint material and control of paint removal equipment to prevent substrate scarring.
2. Traffic Topping/Membrane surfaces: Remove existing pavement markings by solvent washing or high-pressure water washing. Submit letter from traffic topping/membrane manufacturer certifying that solvents and/or water pressures are acceptable for this use and will not damage material. On test area, demonstrate to Owner acceptable removal of paint material and control of paint removal equipment to prevent substrate scarring.
3. Contractor shall not use paint, bituminous bond coat or other methods of covering markings to obliterate existing pavement markings.
4. Material deposited on pavement as a result of removal shall be removed as work progresses. Accumulation of material, that might interfere with drainage or might constitute a hazard to traffic, prohibited.
5. Curing compounds on new concrete surfaces (less than 1 yr old) shall be removed per existing pavement marking removal requirements prior to installation of new pavement markings.

H. Work Areas:

1. Store, mix and prepare paints only in areas designated by Contractor for that purpose.
2. Provide clean cans and buckets required for mixing paints and for receiving rags and other waste materials associated with painting. Clean buckets regularly. At close of each day's Work, remove used rags and other waste materials associated with painting.
3. Take precautions to prevent fire in or around painting materials. Provide and maintain appropriate hand fire extinguisher near paint storage and mixing area.

I. Mixing:

1. Do not intermix materials of different character or different manufacturer.

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2. Do not thin material except as recommended by manufacturer.

J. Disposal:

1. Contractor shall properly dispose of unused materials and containers in compliance with Federal Resource Conservation Recovery Act (RCRA) of 1976 as amended, and all other applicable laws and regulations.

3.3 APPLICATION

A. Apply painting and finishing materials in accordance with manufacturer's directions. Use applications and techniques best suited for material and surfaces to which applied. Minimum air shall be used to prevent overspray. Temperature during application shall be minimum of 40º F and rising, unless manufacturer requires higher minimum temperature. Maximum relative humidity shall be as required by manufacturer.

1. Total wet mil thickness of 0.015 in (minimum).
2. Total dry film thickness of 0.008 in (minimum).

B. All lines shall be straight, true, and sharp without fuzzy edges, overspray or non-uniform application. Corners shall be at right angles, unless shown otherwise, with no overlaps. Line width shall be uniform (-0%, +5% from specified width). No excessive humping (more material in middle than at edges or vice versa).

C. All lines shall be 4-inches wide unless otherwise noted.

END OF SECTION 09 91 21

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SECTION 22 05 00 - COMMON WORK RESULTS FOR PLUMBING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 01 Specification Sections apply to this and other Sections of Division 22.

B. References:

1. American National Standards Institute (ANSI)
2. National Standard Plumbing Code (NAPHCC)
3. American Society for Testing and Materials (ASTM):

    a. ASTM A74, "Specification for Cast Iron Soil Pipe and Fittings."
    b. ASTM A120, "Specification for Black ad Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Ordinary Use."
    c. ASTM A234, "Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and Elevated Temperatures."
    d. ASTM B88, "Specification for Seamless Copper Water Tube".
    e. ASTM C76, "Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe."
    f. ASTM C700, "Specification for Extra Strength and Standard Strength Clay Pipe and Perforated Clay Pipe."
    g. ASTM D3034, "Specification for Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings."
    h. ASTM F 493 “Standard Specification for Solvent Cements for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe and Fittings.”
    i. ASTM D 2564 Standard Specification for Solvent Cements for Poly(Vinyl Chloride) (PVC) ‘Plastic Piping Systems. Include primer according to ASTM F 656 Standard Specification for Primers for Use in Solvent Cement Joints of Poly(Vinyl Chloride) (PVC) Plastic Pipe and Fittings.”
    j. ASTM D1557, “Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort”.
    k. ASTM D 2487, “Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System.”

1.2 SUMMARY

A. This Section includes general administrative and procedural requirements for mechanical installations. Following administrative and procedural requirements are included in this Section to expand the requirements specified in Division 01:

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1. Submittals.
2. Coordination/Scheduling/Quality Assurance.
3. Record documents.
4. Maintenance manuals.
5. Rough-ins.
6. Mechanical installations.
7. Cutting and patching.
8. Testing/Guarantee
9. Piping materials and installation common to most piping systems.
10. Fittings and Joints.
11. Floor and Trench Drains
12. Back water valves.
13. Cleanouts.
14. Expansion joints for Rain Water Collectors.
15. Valves.
16. Requirements for Equipment Installations.
17. Labeling & Identifying.
18. Touch up painting and finishing.
19. Cutting and patching.

B. Related Sections: Following Sections contain requirements that relate to this Section:

1. The remainder of Division 22, plus general related specifications including:

    a. Access to mechanical installations.
    b. Excavation for mechanical installations within the building boundaries, and from building to utilities connections.

C. Definitions:

1. Term "Contractor" used throughout Division 22 shall mean Mechanical Subcontractor.
2. Term "provide" shall mean to furnish all necessary labor, materials, equipment, accessories, transportation, services, installation and adjustment under Contract amount, including Contractor's profit, overhead and payment of all taxes and fees.

1.3 SUBMITTALS

A. General: Follow the procedures specified in Division 01 Section "Submittal Procedures" and as specified in this Section.

B. Shop Drawings and Catalog Sheets. Include:

1. Plumbing line layout. Any deviations from design documents shall be clouded in submittal.
2. Floor drains.
3. Cleanouts.
4. Expansion joints for plumbing lines.

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5. Plumbing fixtures.
6. Back flow preventers.
7. Support material and hardware.

C. Substitutions:

1. Products are referenced in Specification and on Drawings to establish standard of quality, style, design, and function of materials, equipment, apparatus, or product.
2. There are often several satisfactory substitutes for standardized utilitarian items which satisfy design objectives.
3. Since it is impractical to name all possible brands that might be furnished, substitutes may be proposed unless specifically stated otherwise.
4. Submit substitutions in accordance with Division 01 and General Conditions of Specification and as follows:

    a. Submit proposed substitute material or equipment to be considered for approval as equivalent to Engineer/Architect at least 7 days before time set for receiving Bids.
    b. Contractor assumes all engineering and construction costs necessary for revision in Work due to substitute material or equipment.

D. See requirements of Division 01 Section, “Submittal Procedures,” Part 1 heading, “Submittal Procedures,” for limits to resubmittals.

E. See requirements of Division 01 Section, “Submittal Procedures,” Part 2 heading, “Requests for Information,” for RFI constraints.

1.4 COORDINATION

1. Visit site before Bidding to note apparent features which may affect Work. No subsequent allowance will be made because of failure to make this examination before Bidding.
2. Verify all dimensions in field before ordering any material or doing any Work.
3. Verify ceiling heights or other architectural and structural details before installing any piping.
4. No extra compensation will be allowed because of differences between actual measurements and dimensions and those indicated on Drawings.
5. Notify Engineer/Architect in writing of any difference which may be found before proceeding with Work.

1.5 SEQUENCING AND SCHEDULING

1. Coordinate mechanical equipment installation with other building components.
2. Arrange for chases, slots, and openings in building structure during progress of construction to allow for mechanical installations.
3. Coordinate the installation of required supporting devices and set sleeves in poured-in-place concrete and other structural components as they are constructed.

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4. Sequence, coordinate, and integrate installations of mechanical materials and equipment for efficient flow of the Work. Coordinate installation of large equipment requiring positioning prior to closing in the building.
5. Coordinate connection of electrical services.
6. Coordinate connection of mechanical systems with exterior underground and overhead utilities and services. Comply with requirements of governing regulations, franchised service companies, and controlling agencies.
7. Coordinate requirements for access panels and doors where mechanical items requiring access are concealed behind finished surfaces. Access panels and doors are specified in Division 08 Section "Access Doors and Frames".
8. Schedule Work so as to coordinate with other Contractors.
9. Before starting Work, prepare and submit to Prime Contractor schedule of operations outlining proposed order of procedure, giving dates of execution and estimated time requited for completion of each step.
10. After schedule has been accepted by Prime Contractor and Engineer/Architect, do not deviate from schedule without written consent of Prime Contractor.
11. No subsequent extras will be allowed for materials and labor not included by Bidder for Mechanical Work due to lack of familiarity with Contract Documents as they relate to Work of all other trades required for Project.
12. Before construction starts, cut off and plug any abandoned existing services at property line. Coordinate with local utility company and civil engineer.
13. Coordinate service connection to meter with local water department and civil engineer.

1.6 QUALITY ASSURANCE

A. Qualify welding processes and operators for structural steel according to AWS D1.1 "Structural Welding Code--Steel".

B. Qualify welding processes and operators for piping according to ASME "Boiler and Pressure Vessel Code", Section IX, "Welding and Brazing Qualifications".

1. Comply with provisions of ASME B31 Series "Code for Pressure Piping".
2. Certify that each welder has passed AWS qualification tests for the welding processes involved and that certification is current.

C. ASME A13.1 for lettering size, length of color field, colors, and viewing angles of identification devices.

D. Equipment Selection: Equipment of greater or larger power, dimensions, capacities, and ratings may be furnished provided such proposed equipment is approved in writing and connecting mechanical and electrical services, circuit breakers, conduit, motors, bases, and equipment spaces are increased. No additional costs will be approved for these increases if larger equipment is approved. If minimum energy ratings or efficiencies of the equipment are specified, the equipment must meet the design requirements and commissioning requirements.

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1.7 CODES AND STANDARDS

1. Comply with:

    a. American Welding Society (AWS).
    b. American Society of Mechanical Engineers (ASME).
    c. American National Standards Institute (ANSI).
    d. American Society for Testing and Materials (ASTM).
    e. American Insurance Association (A.I.A.).
    f. National Fire Protection Association (NFPA).
    g. Underwriters' Laboratories, Inc. (UL).
    h. Manufacturer's Standardization Society of the Valve & Fittings Industry, Inc. (MSS).
    i. Factory Mutual Research Corp. (FM).
    j. Sheet Metal and Air Conditioning Contractors National Association (SMACNA)
    k. American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE)

2. All local, state, and federal rules and regulations.

    a. International Building Code (IBC):

        1) IBC International Building Code.
        2) IBC International Mechanical Code.
        3) IBC International Plumbing Code.
        4) IBC International Fire Prevention Code.

3. Should any change in Drawings and Specifications be required to comply with local regulations, notify Engineer/Architect at least 7 days before time set for receiving Bids. After entering into contract, Contractor will be held to complete all Work necessary to meet local requirements without extra expense to Owner.
4. Maintain a competent superintendent at Project throughout progress of Work and until Work is completed.

1.8 RECORD DOCUMENTS

A. Prepare record documents in accordance with the requirements in Division 01 Section "Closeout Procedures". In addition to the requirements specified in Division 01, indicate the following installed conditions:

1. Mains and branches of piping systems, with valves and control devices located and numbered, concealed unions located, and with items requiring maintenance located (i.e., traps, strainers, expansion compensators, tanks, etc.). Valve location diagrams, complete with valve tag chart. Indicate actual inverts and horizontal locations of underground piping.
2. Equipment locations (exposed and concealed), dimensioned from prominent building lines.

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3. Approved substitutions, contract modifications, and actual equipment and materials installed.
4. Contract modifications, actual equipment and materials installed.

B. Engage the services of a Land Surveyor or Professional Engineer registered in the state in which the project is located as specified in Division 01 Section "Execution Requirements" to record the locations and invert elevations of underground installations.

1.9 MAINTENANCE MANUALS

A. Prepare maintenance manuals in accordance with Division 01 Section "Closeout Procedures" In addition to the requirements specified in Division 01, include the following information for equipment items:

1. Description of function, normal operating characteristics and limitations, performance curves, engineering data and tests, and complete nomenclature and commercial numbers of replacement parts.
2. Manufacturer's printed operating procedures to include start-up, break-in, and routine and normal operating instructions; regulation, control, stopping, shutdown, and emergency instructions; and summer and winter operating instructions.
3. Maintenance procedures for routine preventative maintenance and troubleshooting; disassembly, repair, and reassembly; aligning and adjusting instructions.
4. Servicing instructions and lubrication charts and schedules.

1.10 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to the project properly identified with names, model numbers, types, grades, compliance labels, and other information needed for identification.

B. Deliver materials to Project in good condition. Store materials off ground and protected from elements.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION

3.1 ROUGH-IN

A. Verify final locations for rough-ins with field measurements and with the requirements of the actual equipment to be connected.

B. Refer to equipment specifications in Divisions 02 through 33 for rough-in requirements.

C. Drawings are generally diagrammatic and indicative of Work to be installed.

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D. Do not scale Drawings for rough-in Work.

3.2 INSTALLATION

A. General: Sequence, coordinate, and integrate the various elements of mechanical systems, materials, and equipment. Comply with the following requirements:

1. Coordinate Plumbing systems, equipment, and materials installation with other building components so as not to delay Contractors.
2. Verify all dimensions by field measurements.
3. Maintain headroom clearances as noted on drawings. Notify engineer before installation if headroom cannot be maintained.
4. Arrange for chases, slots, and openings in other building components during progress of construction, to allow for mechanical installations.
5. Coordinate the installation of required supporting devices and sleeves to be set in poured-in-place concrete and other structural components, as they are constructed.
6. Sequence, coordinate, and integrate installations of mechanical materials and equipment for efficient flow of the Work. Give particular attention to large equipment requiring positioning prior to closing in the building.
7. Where mounting heights are not detailed or dimensioned, install systems, materials, and equipment to provide the maximum headroom possible.
8. Coordinate connection of mechanical systems with exterior underground and overhead utilities and services. Comply with requirements of governing regulations, franchised service companies, and controlling agencies. Provide required connection for each service.
9. Install systems in accordance with applicable code. Notify Engineer/Architect any conflict with codes and include referenced code section.
10. Install systems, materials, and equipment to conform with approved submittal data to greatest extent possible. Conform to arrangements indicated by the Contract Documents, recognizing that portions of the Work are shown only in diagrammatic form. Where coordination requirements conflict with individual system requirements, refer conflict to the Engineer/Architect.
11. Install systems, materials, and equipment level and plumb, parallel and perpendicular to other building systems and components, where installed exposed in finished spaces.
12. Install equipment to facilitate servicing, maintenance, and repair or replacement of equipment components. As much as practical, connect equipment for ease of disconnecting, with minimum of interference with other installations. Extend grease fittings to an accessible location.
13. Install access panel or doors where units are concealed behind finished surfaces. Access panels and doors are specified in Division 08 Section "Access Doors and Frames" and this section.
14. Install systems, materials, and equipment giving right-of-way priority to systems required to be installed at a specified slope.
15. Install piping to occupy minimum of space. Install parallel and close to walls, ceiling, columns or other members providing proper space for covering or removal of pipes.

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16. Coordinate Work to avoid interferences with other trades.
17. Due to small scale of Drawings, it is not possible to indicate all offsets, fittings or valves which may be required. Investigate structural and finish conditions affecting this Work. Plan accordingly, furnishing such offsets, fittings and valves as may be required.
18. Where possible, locate all plumbing lines in areas which are out of public view.
19. Review plumbing layout with Engineer/Architect before construction.
20. In case of conflict between riser diagram and floor plan, greater quantity or better quality prevails, subject to approval of Engineer/Architect.
21. Coordinate all Work specified in this Division with Work of all other trades required for Project.
22. Check Structural Drawings for location of drains, vents and other Mechanical Work. In case of conflict between Structural Drawings and Mechanical Drawings, Structural Drawings take precedence.
23. Notify Engineer/Architect immediately and confirm in writing of any conflict between Mechanical and Structural Drawings.
24. Finish painting will be done by others.
25. Any galvanized equipment, material, or hardware that is cut, scratched, field threaded or grooved shall be coated with a Zinc Rich Coating (ZRC or approved equivalent).
26. Trench and backfill in accordance with Division 31 Section "Earth Moving."
27. In case interferences between Work develop, Engineer/Architect will decide which Work is to be relocated regardless of which was first installed.
28. Cleanup:

    a. At completion of Work under this contract, remove from site and dispose of all rubbish and discarded materials and restore disturbed facilities and surfaces.
    b. Provide entire installation thoroughly free from all oil and grease after successfully completing all tests and before Work is turned over to Owner.

B. Excavating and Backfill for Piping

1. Excavate and backfill as required for the installation of this work.
2. Trenches for underground piping shall be excavated to required depths. Where rock is encountered, excavate to a grade 6 inches below the lowest part of the pipe and refill the excavation below pipe grade with sand and gravel. Trenches shall have uniform grade as specified hereafter or shown on the drawings.
3. Pipe trenches shall not be wider than 4 inches on each side of the pipe but not less than 12 inches wide.
4. Excavations shall be done on an unclassified basis. No extras shall be allowed regardless of type or hardness of material encountered.
5. No backfilling shall be done on any plumbing system requiring testing or inspection until such testing or inspection has been completed satisfactorily.
6. Shore and brace as required to maintain banks of excavation and avoid cave ins and make good any damages to adjoining property or work in place caused by failure to properly shore excavations. Shoring shall conform to OSHA and Department of Labor and Industry requirements.

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7. Backfilling shall be made in 8 inch layers (maximum), mechanically tamped. Wood, old forms, shoring, etc., shall be removed before backfilling. Backfill shall not contain any frozen material, ashes, slag, combustible material, rocks over 6 inches in the largest dimension, or any other material which the Architect considers unsuitable for the purpose. Particular care shall be exercised in backfilling areas where construction shall be placed above the backfill.
8. Satisfactory soil materials for backfill where contaminated soil is removed whether surplus from the existing site or trucked-in new shall meet the following requirements:

    a. ASTM D 2487 soil classification groups GW, GP, GM, SW, SP, and SM free from rock or gravel larger than 2 inches in any dimension, debris, waste, frozen materials, vegetation, and other deleterious matter.

9. Compaction of soil and backfill shall be as follows:

    a. Soil and backfill shall be compacted in 8 inch layers (maximum) with each layer of soil or backfill compacted at 95 percent maximum dry density according to ASTM D 1557.

10. Shoring shall be removed after equipment and piping have been installed and tested.
11. Keep available at all times pumping equipment which shall be used to pump any or water from pipe trenches and excavation under this Contract.
12. Remove from the site surplus excavated materials resulting from work. Surplus excavated materials include materials not suitable for use as backfill.
13. Notify utility companies and state “one-call” system for verification of underground utilities before any excavation takes place.

3.3 PIPING SYSTEMS-COMMON REQUIREMENTS

A. General: Install piping as described below, except where system Sections specify otherwise.

B. General Locations and Arrangements: Drawings (plans, schematics, and diagrams) indicate general location and arrangement of piping systems. Indicated locations and arrangements were used to size pipe and calculate friction loss, expansion, pump sizing, and other design considerations. Install piping as indicated.

C. Install all piping parallel to building walls and column lines at such height for proper drainage and so not to interfere with doorways, stairway or traffic.

D. Install suspended pipes as close to ceiling as possible and at uniform grade.

E. Where interferences develop in field, offset or reroute piping as required to clear such interferences. Use proper fittings, no bent pipe is permitted.

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F. Install full-time water lines in areas not subject to freezing within building and below frost line and minimum of 36 in. below grade outside building.

G. Install water meter and backflow preventor in protected area not subject to freezing.

H. Use small amount of prepared, pipe thread lubricant on outside threads.

I. Work pipe into place without springing

J. Install all piping such that it will drain and vent as shown or required.

K. Provide uniform grade to all horizontal pipes and provide drains at all low points in water piping system.

L. Cast-in-Place Insert Installation: Before placement of concrete, furnish, locate and set on forms, cast-in-place inserts which support Mechanical Work.

M. Furnish hot dipped galvanized steel pipe sleeves extended one inch above finished floor line for all pipe running through floors.

N. Install piping at indicated slope.

O. Install components having pressure rating equal to or greater than system operating pressure.

P. Install piping free of sags and bends and neat in appearance.

Q. Install couplings according to manufacturer's printed instructions.

R. Below Grade, Exterior Wall, Pipe Penetrations: Install cast-iron wall pipes for sleeves. Seal pipe penetrations using mechanical sleeve seals. Size sleeve for 1-in. (25mm) annular clear space between pipe and sleeve for installation of mechanical seals.

S. Fire Barrier Penetrations: Maintain indicated fire rating of walls, partitions, ceilings, and floors at pipe penetrations. Seal pipe penetrations with firestopping sealant material. Firestopping materials are specified in Division 07 Section "Penetration Firestopping".

T. Verify final equipment locations for roughing in.

U. Refer to equipment specifications in other Sections for roughing-in requirements.

V. Piping Joint Construction: Join pipe and fittings as follows and as specifically required in individual piping system Sections.

1. Ream ends of pipes and tubes and remove burrs. Bevel plain ends of steel pipe.
2. Remove scale, slag, dirt, and debris from inside and outside of pipe and fittings before assembly.
3. Soldered Joints: Construct joints according to AWS "Soldering Manual", Chapter 22 "The Soldering of Pipe and Tube".

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4. Brazed Joints: Construct joints according to AWS "Brazing Manual" in the "Pipe and Tube" Chapter.
5. Threaded Joints: Thread pipe with tapered pipe threads according to ASME B1.20.1. Cut threads full and clean using sharp dies. Ream threaded pipe ends to remove burrs and restore full inside diameter. Join pipe fittings and valves as follows:

    a. Note the internal length of threads in fittings or valve ends, and proximity of internal seat or wall, to determine how far pipe should be threaded into joint.
    b. Apply appropriate tape or thread compound to external pipe threads (except where dry seal threading is specified).
    c. Align threads at point of assembly.
    d. Tighten joint with wrench. Apply wrench to valve end into which pipe is being threaded.
    e. Damaged Threads: Do not use pipe or pipe fittings having threads that are corroded or damaged. Do not use pipe sections that have cracked or open welds.

W. All piping routed over finished areas must be insulated.

3.4 EQUIPMENT INSTALLATION--COMMON REQUIREMENTS

A. Install equipment to provide the maximum possible headroom where mounting heights are not indicated.

B. Install equipment according to approved submittal data. Portions of the Work are shown only in diagrammatic form. Refer conflicts to Engineer/Architect.

C. Install equipment level and plumb, parallel and perpendicular to other building systems and components in exposed interior spaces, except where otherwise indicated.

D. Install mechanical equipment to facilitate servicing, maintenance, and repair or replacement of equipment components. Connect equipment for ease of disconnecting, with minimum of interference with other installations. Extend grease fittings to an accessible location. Provide unions to facilitate equipment replacement.

E. Install equipment giving right-of-way to piping systems installed at a required slope.

F. Provide 4 inch high concrete housekeeping pad with rounded edges under all floor mounted equipment where clearance allows.

G. Fasteners and Anchors: Hot dipped galvanized or stainless steel, type, grade, and class as required. Mounting holes for all fasteners must be drilled. The use of powder, gas, or other types of power propelled fasteners is prohibited.

3.5 HANGER AND SUPPORT INSTALLATION:

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A. Support piping in building on standard clevis type (MSS SP-69, No. 1) hangers, with adjustable rods.

B. Properly support all piping installed on suitable pipe hangers and supports. Permanent hangers, supports, and anchors shall be fabricated from durable materials, hot dipped galvanized or stainless steel, suitable for service conditions in accordance with details on Drawings.

C. Base required strength of all supporting equipment on combined weight of piping filled with water, plus any insulating covering.

D. Install hangers for horizontal piping with following minimum rod sizes:

Nominal Pipe Size	Minimum Rod Size
0.75 in. to 2 in. pipe	0.375 in.
2.5 in. to 3.5 in. pipe	0.5 in.
4 in. to 5 in. pipe	0.625 in.
6 in. pipe	0.75 in.
8 in. to 12 in. pipe	0.875 in.

E. Provide and install anchors in piping system to fix direction of expansion and contraction. Fabricate and assemble anchors to secure desired points of piping in relatively fixed positions. Hangers shall permit line to take up expansion and contraction freely in opposite directions away from anchored point and shall be so arranged as to be structurally suitable for particular location, line, and loading conditions in question.

F. Use expansion anchors to anchor pipe hanger and supports where inserts have been improperly located, or where necessary to support piping from existing concrete construction. Provide expansion anchors equal to Ackerman-Johnson, Paine, Phillips, Hilti, ITW Ramset/Red Head, or Rawl. Expansion anchor locations must have approval of Engineer/Architect before installation. Coordinate location with structural.

G. Support parallel pipe lines at same level on approved trapeze or saddle type hangers.

H. Use steel rods to attach ring or trapeze hangers to building structure. Space hangers at sufficiently close intervals to support piping and its contents, 12 ft on center maximum for threaded pipes.

I. Support copper piping with copper clevis hangers, or clevis hanger with copper supporting loop.

J. Provide sheet metal collar at each pipe hanger for insulated pipe with vapor barrier.

K. Any support hardware or material that is cut, scratched or threaded shall be coated with a zinc rich coating (ZRC or equivalent) at these locations.

3.6 CUTTING AND PATCHING

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A. General: Perform cutting and patching in accordance with Division 01 Section "Execution". In addition to the requirements specified in Division 01, the following requirements apply:

1. Protection of Installed Work: During cutting and patching operations, protect adjacent installations.
2. Perform cutting, fitting, and patching of mechanical equipment and materials required to:

    a. Uncover Work to provide for installation of improperly scheduled Work.
    b. Remove and replace defective Work.
    c. Remove and replace Work not conforming to requirements of the Contract Documents.
    d. Remove samples of installed Work as specified for testing.
    e. Install equipment and materials in structures.
    f. Upon written instructions from the Engineer/Architect, uncover and restore Work to provide for Architect/Engineer observation of concealed Work.

B. Cut, remove and legally dispose of selected mechanical equipment, components, and materials as indicated, including but not limited to removal of mechanical piping, heating units, and trim, and other mechanical items made obsolete by the new Work.

1. Protect the structure, furnishings, finishes, and adjacent materials not indicated or scheduled to be removed.
2. Provide and maintain temporary partitions or dust barriers adequate to prevent the spread of dust and dirt to adjacent areas.
3. Patch finished surfaces and building components using new materials specified for the original installation and experienced Installers. Installers' qualifications refer to the materials and methods required for the surface and building components being patched.

    a. Refer to Division 01 Section "Reference Standards and Definitions" for definition of "experienced Installer".

4. Respective trades will provide openings in floors, walls, and other members as required for installation of piping and equipment, provided that necessary information regarding such openings is furnished by contractor in timely manner.
5. If contractor fails to provide information regarding required openings, cutting and repairing of completed Work will be performed by respective trades at expense of contractor.
6. Seal all such openings in accordance with Division 07 Section "Concrete Joint Sealants."
7. Cut, channel, chase, and drill floors, walls, partitions, ceilings, and other surfaces necessary for mechanical installations only with written approval of Engineer/Architect. Perform cutting by skilled mechanics of the trades involved.
8. Repair cut surfaces to match adjacent surfaces.

3.7 LABELING AND IDENTIFYING

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A. Piping Systems: Install pipe markers on each system. Include arrows showing normal direction of flow.

1. Stenciled Markers: Complying with ASME A13.1.
2. Locate pipe markers wherever piping is exposed in finished spaces, machine rooms, accessible maintenance spaces (shafts, tunnels, plenums), and exposed exterior locations as follows:

a. Near each valve and control device.
b. Near each branch, excluding short take-offs for fixtures and terminal units. Mark each pipe at branch, where flow pattern is not obvious.
c. Near locations where pipes pass through walls, floors, ceilings, or enter inaccessible enclosures.
d. At access doors, manholes, and similar access points that permit view of concealed piping.
e. Near major equipment items and other points of origination and termination.
f. Spaced at a maximum of 50 ft (15m) intervals along each run. Reduce intervals to 25 ft (7.6 m) in congested areas of piping and equipment.

B. Adjusting: Relocate identifying devices which become visually blocked by work of this Division or other Divisions.

3.8 PAINTING AND FINISHING

A. Refer to Division 09 – Finishes for field painting requirements.

B. Damage and Touch Up: Repair marred and damaged factory-painted finishes with materials and procedures to match original factory finish.

3.9 CONCRETE BASES

A. Construct concrete equipment bases of dimensions indicated, but not less than 4 in. (101 mm) larger than supported unit in both directions. Follow supported equipment manufacturer's setting templates for anchor bolt and tie locations. Use 3000-psi (20.70MPa), 28-day compressive strength concrete and reinforcement as specified in Division 03 Section "Cast-in-Place Concrete".

3.10 TESTING AND GUARANTEE

A. Testing:

1. Take out all necessary permits, arrange for all required inspections, and pay all fees and expenses associated with performing Mechanical Work.
2. Test all piping systems at full operating pressure under normal conditions of use in accordance with requirements of Water Department, Board of Health, Fire Department, and all other authorities having jurisdiction. As a minimum, the water

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supply system shall be tested at 125 psi for 4 hrs, the sewer system at 5 psi for 15 minutes and natural gas at 100 psi for 2 hours.

3. Provide all instruments for making tests.
4. Perform tests on following systems:

    a. Water Supply System.
    b. Sewer System.
    c. Natural Gas Supply System.

5. Test all parts of system in presence of Contractor, Engineer/Architect, Owner and Authority having jurisdiction for sufficient period of time to permit complete examination and inspection.
6. Successfully test all concealed piping before its being permanently covered up.
7. Remedy all defects in materials or workmanship which appear during test or retest of system.

B. Inspect interior of piping to determine whether line displacement or other damage has occurred. Inspect after approximately 24 inches of backfill is in place, and again at completion of Project.

1. Submit separate report for each system inspection.
2. Defects requiring correction include the following:

    a. Alignment: Less than full diameter of inside of pipe is visible between structures.
    b. Deflection: Flexible piping with deflection that prevents passage of ball or cylinder of size not less than 92.5 percent of piping diameter.
    c. Damage: Crushed, broken, cracked, or otherwise damaged piping.
    d. Infiltration: Water leakage into piping.
    e. Exfiltration: Water leakage from or around piping.

3. Replace defective piping using new materials, and repeat inspections until defects are within allowances specified.
4. Reinspect and repeat procedure until results are satisfactory.

C. Test new piping systems, and parts of existing systems that have been altered, extended, or repaired, for leaks and defects.

1. Do not enclose, cover, or put into service before inspection and approval.
2. Test completed piping systems according to requirements of authorities having jurisdiction.
3. Schedule tests and inspections by authorities having jurisdiction with at least 24 hours' advance notice.
4. Submit separate report for each test.
5. Hydrostatic Tests: Test sanitary sewerage according to requirements of authorities having jurisdiction and the following:

    a. Fill sewer piping with water. Test with pressure of at least 10-foot head of water, and maintain such pressure without leakage for at least 15 minutes.

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b. Close openings in system and fill with water.
c. Purge air and refill with water.
d. Disconnect water supply.
e. Test and inspect joints for leaks.

6. Air Tests: Test sanitary sewerage according to requirements of authorities having jurisdiction, UNI-B-6, and the following:

   a. Test plastic gravity sewer piping according to ASTM F 1417.
   b. Test concrete gravity sewer piping according to ASTM C 1628.

7. Force Main: Perform hydrostatic test after thrust blocks, supports, and anchors have hardened. Test at pressure not less than 1-1/2 times the maximum system operating pressure, but not less than 150 psig.

   a. Ductile-Iron Piping: Test according to AWWA C600, "Hydraulic Testing" Section.
   b. PVC Piping: Test according to AWWA M23, "Testing and Maintenance" Chapter.

D. Guarantee:

1. In addition to any specific guarantee called for by Specifications, furnish to Owner written guarantee against defects in materials, workmanship for all apparatus and materials furnished, and for entire workmanship of installation for period of 1 yr from date of acceptance of Work.
2. During guarantee period and without expense to Owner, repair all defects in workmanship or material provided under this Section.

END OF SECTION 22 05 00

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SECTION 22 14 13 - FACILITY DRAINAGE AND VENT PIPING SYSTEM

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. In accordance with Contract Documents, furnish all labor equipment, and materials to install domestic water, and storm sewer plumbing facility.

B. This Section includes plumbing piping systems as indicated on the Drawings. Systems include the following:

1. Drainage and vent systems.

C. Related Sections: Following Sections contain requirements that relate to this Section:

1. Division 22 Section "Common Work Results for Plumbing."

1.3 PERFORMANCE REQUIREMENTS

A. Provide components and installation capable of producing piping systems with the following minimum working pressure ratings, except where indicated otherwise:

1. Storm Drainage Systems: 10-ft head of water.

1.4 SUBMITTALS

A. General: Submit the information specified in the submittals Section of "Basic Mechanical Requirements" in accordance with Conditions of Contract and Division 01 Specifications Section.

B. See requirements of Division 01 Section, “Submittal Procedures,” Part 1 heading, “Submittal Procedures,” for limits to resubmittals.

C. See requirements of Division 01 Section, “Submittal Procedures,” Part 2 heading, “Requests for Information,” for RFI constraints.

1.5 MATERIALS

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A. General:

1. Provide new materials of the best grade and quality.

B. Pipe:

1. Drainage

a. Cast iron: (Storm drainage 15” and smaller)

1) Buried underground inside and to point 5 ft outside building: Service weight bell and spigot type, ASTM A74.
2) Above ground: Cast iron "No Hub," ASTM A888.

b. Schedule 40 PVC - DWV:

1) Buried underground inside and to point 5 ft outside building: Schedule 40 PVC - DWV with cemented connections.
2) Above ground: Schedule 40 PVC DWV with cemented connections.

C. Fittings and Joints:

1. Make all connections between steel or iron pipe and copper pipe with approved insulating coupling.
2. Adapters for unions and valves: Solder to IPS.
3. Apply purple primer before PVC joints are cemented.
4. Use listed fittings and adaptors when connecting PVC to copper pipe.

a. PVC Pressure Piping: Join schedule number ASTM D 1785, PVC pipe and PVC socket fittings according to ASTM D 2672. Join other-than-schedule-number PVC pipe and socket fittings according to ASTM D 2855.
b. PVC Nonpressure Piping: Join according to ASTM D 2855.

D. Floor and Trench Drains: Heavy duty cast-iron with coated, heavy duty, vandal-proof grate and sediment buckets. Size, connection type and additional options are as specified on Drawings.

1. Acceptable Manufacturers:

a. Josam
b. Smith
c. Wade
d. Zurn
e. Ancon

E. Cleanouts:

1. In conductor risers: Coated cast iron cleanout tee with hub and spigot connections and coated cast iron plug with internal gasket seal for installation in unfinished

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areas. Where finished appearance in wall installation is required, use in conjunction with access cover or box:

a. Acceptable manufacturers:

1) Josam 58510 Series.
2) Smith 4510 Series.
3) Wade W-8560 Series.
4) Zurn Z-1400 Series.
5) Ancon CO-460.

2. In floors in structure: Coated cast iron, adjustable housing, floor cleanout, spigot or no-hub connection with internal gasketed cleanout plug and adjustable housing with heavy duty, secured (vandal proof) scoriated round cast iron tractor cover for heavy traffic for installation flush with finished floor:

a. Acceptable manufacturers:

1) Josam 56060 Series.
2) Smith 4240 Series.
3) Wade W-6000-Z and W-7000-Z Series.
4) Zurn Z-1420-25.
5) Ancon C-200-RX.

3. In floors and walls in finished areas: Provide with flush brass ring and covers, chrome plates, screwed to plug and set level and flush with floor or wall.

F. Clamps, rods and all support material and hardware shall be hot dipped galvanized or stainless steel.

PART 2 - EXECUTION

2.1 PIPING SYSTEMS-COMMON REQUIREMENTS

A. Provide piping, floor drains and accessories, backwater valve, catch basins, manholes, covers, pumps, or any other required components for a complete storm, sanitary or combined sewer on site.

B. Pitch all horizontal lines 0.125 in. per ft minimum unless noted otherwise on drawings.

C. Install backwater valves wherever shown on Drawings.

D. All pipe buried in ground shall have firm bearing along entire length of undisturbed earth, or on compacted sand. Pipe on fill or loose soil shall be supported on brick or concrete piers, and then firmly embedded in earth. At foot of each stack, block concrete foundation shall be provided for stack, block concrete foundation shall be provided for stack to rest on.

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E. Provide and set cleanouts for all drains inside building at ends of all horizontal branches, at base of all stacks, and all points where so indicated, called for, or necessary to clear line of obstructions.

F. Provide cast-iron Y-branch with cleanout at side in locations where cleanout will not be readily accessible due to interference of wall or other member.

G. Provide plugs for cleanouts.

H. Provide Owner with wrench to use for countersunk nuts on cleanout plugs.

I. General Locations and Arrangements: Drawings (plans, schematics, and diagrams) indicate general location and arrangement of piping systems. Indicated locations and arrangements were used to size pipe and calculate friction loss, expansion, pump sizing, and other design considerations. Install piping as indicated.

J. Install all piping parallel to building walls and column lines at such height for proper drainage and so not to interfere with doorways, stairway or traffic.

K. Install expansion fittings when crossing building expansion joints and as noted in details and drawings. Install expansion joint in vertical Rainwater collectors on every level for PVC pipe and every other level for cast iron pipe..

L. Install suspended pipes as close to ceiling as possible and at uniform grade.

M. Where interferences develop in field, offset or reroute piping as required to clear such interferences. Use proper fittings, no bent pipe is permitted.

N. Install full-time water lines in areas not subject to freezing within building and below frost line and minimum of 36 in. below grade outside building.

O. Use small amount of prepared, pipe thread lubricant on outside threads.

P. Work pipe into place without springing.

Q. Install all piping such that it will drain and vent as shown or required.

R. Provide uniform grade to all horizontal pipes and provide drains at all low points in water piping system.

S. Cleanouts shall be provided in horizontal drainage lines and spaced at intervals, based on developed length of pipe, not exceeding the following values:

1. 75 feet for 4” pipe and smaller
2. 100 feet for larger than 4” pipe

T. Cast-in-Place Insert Installation: Before placement of concrete, furnish, locate and set on forms, cast-in-place inserts which support Mechanical Work.

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U. Furnish hot dipped galvanized steel pipe sleeves extended one inch above finished floor line for all pipe running through floors.

V. Install piping at indicated slope.

W. Install components having pressure rating equal to or greater than system operating pressure.

X. Install piping free of sags and bends and neat in appearance.

Y. Install couplings according to manufacturer's printed instructions.

Z. Piping Joint Construction: Join pipe and fittings as follows and as specifically required in individual piping system Sections.

1. Ream ends of pipes and tubes and remove burrs. Bevel plain ends of steel pipe.
2. Remove scale, slag, dirt, and debris from inside and outside of pipe and fittings before assembly.
3. Soldered Joints: Construct joints according to AWS "Soldering Manual," Chapter 22 "The Soldering of Pipe and Tube."
4. Brazed Joints: Construct joints according to AWS "Brazing Manual" in the "Pipe and Tube" Chapter.
5. PVC cemented joints. Install per ASTM F 493.
6. Threaded Joints: Thread pipe with tapered pipe threads according to ASME B1.20.1. Cut threads full and clean using sharp dies. Ream threaded pipe ends to remove burrs and restore full inside diameter. Join pipe fittings and valves as follows:

    a. Note the internal length of threads in fittings or valve ends, and proximity of internal seat or wall, to determine how far pipe should be threaded into joint.
    b. Apply appropriate tape or thread compound to external pipe threads (except where dry seal threading is specified).
    c. Align threads at point of assembly.
    d. Tighten joint with wrench. Apply wrench to valve end into which pipe is being threaded.
    e. Damaged Threads: Do not use pipe or pipe fittings having threads that are corroded or damaged. Do not use pipe sections that have cracked or open welds.
    f. Any pipe that is cut, scratched or threaded shall be coated with a zinc rich coating (ZRC or approved equivalent) at these locations.

AA. All piping routed over finished areas must be insulated.

2.2 EQUIPMENT INSTALLATION--COMMON REQUIREMENTS

A. Install equipment to provide the maximum possible headroom where mounting heights are not indicated. Maintain minimum headroom clearance noted on structural drawings.

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B. Install equipment according to approved submittal data. Portions of the Work are shown only in diagrammatic form. Refer conflicts to Engineer/Architect.

C. Install equipment level and plumb, parallel and perpendicular to other building systems and components in exposed interior spaces, except where otherwise indicated.

D. Install mechanical equipment to facilitate servicing, maintenance, and repair or replacement of equipment components. Connect equipment for ease of disconnecting, with minimum of interference with other installations. Extend grease fittings to an accessible location. Provide unions to facilitate equipment replacement.

E. Install equipment giving right-of-way to piping systems installed at a required slope.

F. Provide 4 inch high concrete housekeeping pad with rounded edges under the floor mounted equipment where clearance allows.

G. Fasteners and Anchors: Hot dipped galvanized or stainless steel, type, grade, and class as required. Mounting holes for all fasteners must be drilled. The use of powder, gas or other type of power propelled fasteners is prohibited.

2.3 HANGER AND SUPPORT INSTALLATION:

A. Support piping in building on standard clevis type (MSS SP-69, No. 1) hangers, with adjustable rods. Band hangers are not acceptable. Properly support all piping installed on suitable pipe hangers and supports. Permanent hangers, supports, and anchors shall be fabricated from durable materials, hot dipped galvanized or stainless steel, suitable for service conditions in accordance with details on Drawings.

B. Support vertical piping with manufacturer's written instructions, locally enforced codes, and authorities having jurisdiction requirements, whichever are most stringent.

C. Base required strength of all supporting equipment on combined weight of piping filled with water, plus any insulating covering.

D. Install hangers for horizontal piping with following minimum rod sizes:

Nominal Pipe Size	Minimum Rod Size
0.75 in. to 2 in. pipe	0.375 in.
2.5 in. to 3.5 in. pipe	0.5 in.
4 in. to 5 in. pipe	0.625 in.
6 in. pipe	0.75 in.
8 in. to 12 in. pipe	0.875 in.

E. Provide and install anchors in piping system to fix direction of expansion and contraction. Fabricate and assemble anchors to secure desired points of piping in relatively fixed positions. Hangers shall permit line to take up expansion and contraction freely in

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opposite directions away from anchored point and shall be so arranged as to be structurally suitable for particular location, line, and loading conditions in question.

F. Use expansion anchors to anchor pipe hanger and supports where inserts have been improperly located, or where necessary to support piping from existing concrete construction. Provide expansion anchors equal to Ackerman-Johnson, Paine, Phillips, Hilti, ITW Ramset/Red Head, or Rawl. Expansion anchor locations must have approval of Engineer/Architect before installation. Coordinate location with structural.

G. Support parallel pipe lines at same level on approved trapeze or saddle type hangers.

H. Use steel rods to attach ring or trapeze hangers to building structure. Space hangers at sufficiently close intervals to support piping and its contents, 8 ft on center maximum. PVC pipe shall be spaced per manufacturers and code requirements

I. Support copper piping with copper clevis hangers, or clevis hanger with copper supporting loop.

J. Provide sheet metal collar at each pipe hanger for insulated pipe with vapor barrier.

K. Any support hardware or material that is cut, scratched or treaded shall be coated with a zinc rich coating (ZRC or equivalent) at these locations.

2.4 LABELING AND IDENTIFYING

A. Piping Systems: Install pipe markers on each system. Include arrows showing normal direction of flow.

1. Stenciled Markers: Complying with ASME A13.1.
2. Locate pipe markers wherever piping is exposed in finished spaces, machine rooms, accessible maintenance spaces (shafts, tunnels, plenums), and exposed exterior locations as follows:

    a. Near each valve and control device.
    b. Near each branch, excluding short take-offs for fixtures and terminal units. Mark each pipe at branch, where flow pattern is not obvious.
    c. Near locations where pipes pass through walls, floors, ceilings, or enter inaccessible enclosures.
    d. At access doors, manholes, and similar access points that permit view of concealed piping.
    e. Near major equipment items and other points of origination and termination.
    f. Spaced at a maximum of 50 ft (15m) intervals along each run. Reduce intervals to 25 ft (7.6 m) in congested areas of piping and equipment.

B. Adjusting: Relocate identifying devices which become visually blocked by work of this Division or other Divisions.

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2.5 PAINTING AND FINISHING

A. Refer to Division 9 Section "Painting" for field painting requirements.

B. Damage and Touch Up: Repair marred and damaged factory-painted finishes with materials and procedures to match original factory finish.

C. Do not paint the sleeve of any expansion fittings.

2.6 CUTTING AND PATCHING

A. Cut, channel, chase, and drill floors, walls, partitions, ceilings, and other surfaces necessary for mechanical installations only with written approval of Engineer/Architect. Perform cutting by skilled mechanics of the trades involved.

B. Repair cut surfaces to match adjacent surfaces.

END OF SECTION 22 14 13

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VILLAGE OF ARLINGTON HEIGHTS
FOUR PARKING STRUCTURES
2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, IL

PROJECT No.: 31-009608.30

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R-000 COVER SHEET

R-001 GENERAL NOTES
R-002 W.I. SCHEDULE & LEGEND
R-003 PHASING PLANS - TIF #1
R-004 PHASING PLANS - TIF #2
R-005 PHASING PLANS - MUNICIPAL
R-006 PHASING PLANS - EVERGREEN

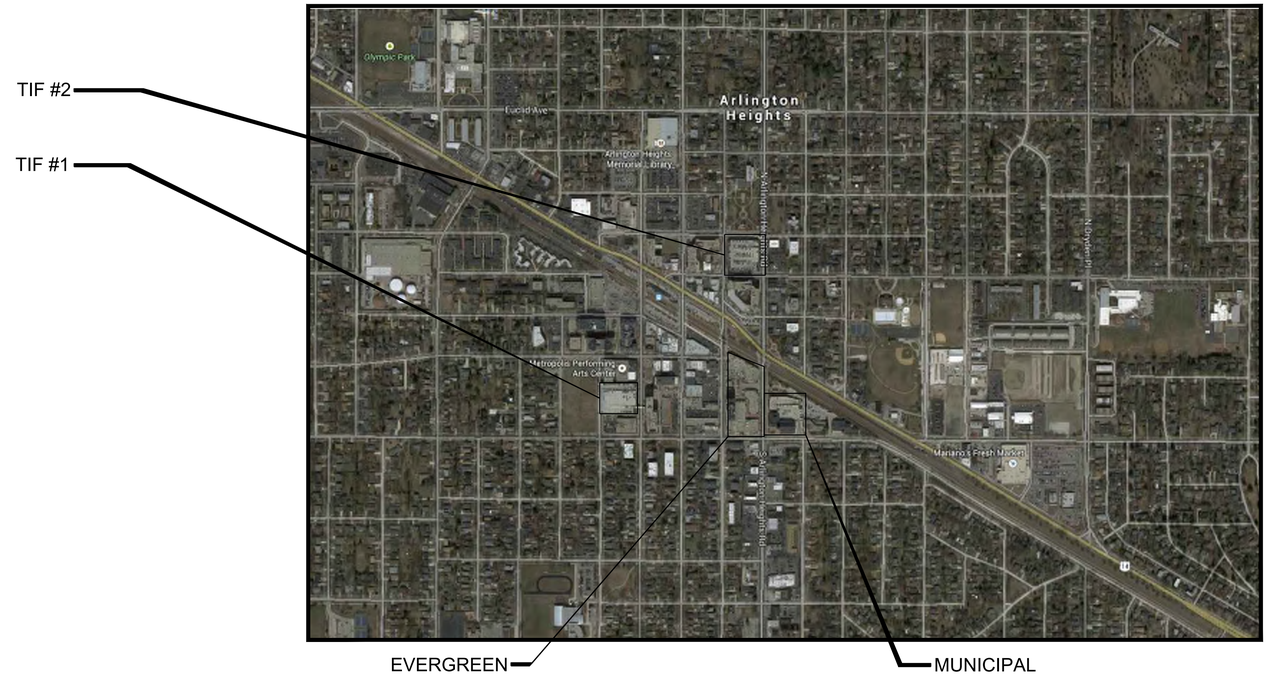
R-101 TIF #1 - GROUND LEVEL PLAN
R-102 TIF #1 - SECOND LEVEL PLAN
R-103 TIF #1 - THIRD LEVEL PLAN
R-104 TIF #1 - FOURTH LEVEL PLAN
R-105 TIF #1 - FIFTH AND PARTIAL FIFTH LEVEL PLAN

R-201 TIF #2 - GROUND LEVEL PLAN
R-202 TIF #2 - SECOND LEVEL PLAN
R-203 TIF #2 - THIRD LEVEL PLAN
R-204 TIF #2 - FOURTH LEVEL PLAN
R-205 TIF #2 - FIFTH LEVEL PLAN

R-301 MUNICIPAL - GROUND LEVEL PLAN
R-302 MUNICIPAL - SECOND LEVEL PLAN
R-303 MUNICIPAL - THIRD LEVEL PLAN

R-401 EVERGREEN - LOWER LEVEL PLAN
R-402 EVERGREEN - UPPER LEVEL PLAN

R-501 REPAIR DETAILS
R-502 REPAIR DETAILS
R-503 REPAIR DETAILS
R-504 REPAIR DETAILS
R-505 REPAIR DETAILS



LOCATION MAP

NORTH

RELEASED FOR BIDS
MARCH 10, 2025

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GENERAL NOTES

A. CONSTRUCTION

1. This set of Construction Documents is for waterproofing and structural repair only. There are no changes to use, egress, occupancy, or area.
2. The Contractor shall obtain all necessary permits to complete the work outlined in these documents.
3. The Contractor shall perform Work in accordance with all applicable Federal, State, and Local Codes, Laws and Ordinances. The Contractor shall promptly notify the Engineer of any known nonconformity with the intent of the Construction Documents and as-built conditions to the applicable Codes, Laws or Ordinances and request clarification from the Engineer prior to proceeding with Work which is deemed in conflict with the applicable Codes, Laws or Ordinances.
4. The project shall be completed in accordance with the 2021 International (Existing) Building Code.
5. Fire Safety during construction, alteration or demolition shall comply with the latest edition of NFPA 1.
6. Prior to preparing the bid and fabrication of any material or placement of concrete, field verify all existing dimensions and conditions shown on Drawings. Report all discrepancies to the Engineer immediately.
7. Do Not Scale Drawings.
8. Walker will not have control over or charge of and will not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and safety programs in connection with the project. Since these are the responsibility of others, Walker will not be responsible for the contractor's schedules or failure to carry out the project in accordance with Contract Documents. Walker will not have control over or charge of acts or omissions of the contractor, sub-contractors, or their agents or employees, or of other non-Walker persons performing portions of the project.
9. The presence of Walker or testing agency at the jobsite does not relieve contractor of the obligation to perform the work in accordance with the contract documents.

B. CONSTRUCTION DOCUMENTS

1. Construction Documents entitled "VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS" includes these Drawings and separately bound Specifications. For purposes of performing the work, Drawings and Specifications shall be a single unit.
2. The extent of repair areas shown on the drawings indicates Engineer's estimates only. The estimated unit quantities included in the bid documents are based on Engineer's estimated units for bid purposes only. The Contractor is responsible for determining the actual extent and locations of repair areas. The actual repair quantities shall be verified and agreed upon by the Engineer prior to commencing the repair Work.
3. Work shall be performed in coordination with construction observations by the Engineer to determine if the exposed existing construction is as assumed in the design.
4. Dimensions shown on plans are based on original construction documents.
5. Refer to Specifications for scope, description and requirements of Work.

C. EXISTING STRUCTURE

1. Construction Documents rely on the original construction documents.
2. To the Engineer's knowledge, no outstanding environmental concerns are present on site. If an outstanding environmental concern is identified during construction, the Contractor is to bring this to the attention of the Engineer and Owner.
3. It is the Contractor's responsibility to familiarize itself with the original construction drawings (if available) for the Work areas. All significant deviations are to be brought to the attention of the Engineer.

D. EXISTING SERVICES AND UTILITIES

1. Contractor shall review all existing conditions to determine all Electrical and Mechanical services and Utilities affected by the repair work. Make necessary temporary connections to maintain existing services to all areas affected by the work. The Contractor shall submit the methods and schedule of connections for the Owner's approval prior to commencement.
2. Provide a minimum 7 business days' notice to the Owner representative prior to any interruptions in utility services.
3. Contractor shall take all precautions necessary to avoid cutting/damaging utilities. If utility is damaged as result of construction operations, notify Owner and Engineer immediately. Utility damages by construction operation shall be repaired by contractor at no cost to the Owner. Damaged utility that is not a result of construction operations shall be paid for by Owner.

E. DETAILS AND SYMBOLS

1. Repair details are shown on drawing series R-501 thru R-505 and are generally identified as two-digit (X.X) details.
2. Three-digit repair details (X.X.X) do not represent a separate price item unless noted otherwise. These details supplement the basic detail to provide additional information or show variation of the typical condition. See legend for clarification on drawing notations.
3. Where the Work Item bubble is noted "TYP," it means the Work Item occurs at all locations where the applicable deterioration or designation symbol occurs on that plan.
4. Where "TAR" is noted, it means there may be areas of this work in addition to the particular designated areas.
5. Where two or more Work Item Bubbles are grouped together, it means any or all of the referenced work items may be applicable. Coordination of Work Items is Contractor's responsibility.
6. When a Work Item or Detail is listed as incidental, this work is included in the pay unit of other work items and does not have a separate price.
7. When a Detail is labeled (FOR REFERENCE ONLY) it provides information only about incidental work and does not have a pay unit.
8. Contractor is responsible for determining actual extent and locations of repair areas in accordance with the specifications; Work Item is shown only to represent the types of deterioration.
9. See Work Item specification (02 00 10) for additional information regarding details.

F. SHORING AND BRACING

1. Contractor shall provide all shoring, bracing, sheeting, etc. required for safety and proper execution of the work.
2. Contractor is solely responsible to prepare shop drawing for bracing and shoring members designed and stamped/sealed by a registered professional engineer (registered in State of Illinois) and submit them to the Engineer for record.
3. The design of the shoring and bracing members shall include all changes in the structure caused by the shoring and bracing.

G. CONSTRUCTION PHASING, SEQUENCING AND TRAFFIC MAINTENANCE

1. Work sequence shall be coordinated with the Owner's representative and all identified project representatives. Contractor can commence work at the TIF #2, Municipal, and Evergreen garages at the start of the project. Contractor shall plan on working in the TIF #1 garage after October 1, 2025.
2. Owner will continue to use structure during restoration. Contractor must phase and arrange work to maintain access at all times to all areas that are not under construction for both vehicles and pedestrians.
3. Work hours are 7 am – 7 pm, Monday – Friday. The Contractor shall verify work hours with the Owner. Contractor shall coordinate off-hours, weekend, and holiday Work with Owner at least 72 hours in advance.
4. Contractor shall provide a phasing plan to be approved by the Owner.
5. A maximum of 250 parking stalls may be out of service at one time. The number of spaces shall be coordinated with the owner/garage operator.
6. The contractor shall provide unobstructed pedestrian access (protected when necessary) to all emergency egress stairs at all times. The contractor shall install and maintain signage that clearly directs patrons to and from these destinations. The contractor shall provide and maintain temporary lighting for these paths in the event the garage lighting is blocked or reduced by project related work.
7. It shall be the Owner's responsibility to clear work area of vehicles. The contractor shall work in unison with the clearing operation to capture the areas by incrementally installing barricades to prevent vehicles from reentering the area as it is cleared. In addition, temporary signage shall be installed and adjusted by the contractor during the work zone capture effort. Note that new areas cannot be captured prior to work zones or portions thereof being returned to service so that the maximum limit for spaces out of service shall not be exceeded. Allow 7 days between the returning spaces to service and occupying equal number of spaces for the next phase of work.
8. Barricades shall be of sufficient construction to prevent inadvertent access by patron vehicles and pedestrians. The barricades can be incorporated into the work zone protection that are intended to prevent the escape of dust and other debris from the work zone.
9. Contractor shall be responsible to lockout stair access into areas under construction to prevent unauthorized patron access. Door shall be sealed off to prevent airborne dust from entering into stairways and elevator shafts. Access shall comply with all egress and fire safety requirements.
10. The phasing concepts contained in these documents are intended to indicate reasonable scenarios for phasing the work. Not all information required for contractor phasing submittals are included in these concepts and they do not include all challenges that will be present in performing this project in a phased manner.
11. Works zone shall not be returned to service if hazardous conditions are present.
12. Do not return areas to service unless existing striping affected by work has been restored or new striping has been applied.

H. WORKSITE REQUIREMENTS

1. The Contractor is responsible for collection and removal of all construction debris on a daily basis, and the site shall be left in a neat and orderly condition, satisfactory to the Owner.
2. The Contractor is responsible for protecting all adjacent structures, landscaping, and other surfaces and items which could be affected by the Work.
3. All concrete spatter created during construction and construction debris shall be removed from all existing and new components.
4. All lights, signs, and other features and property including customer vehicles damaged during construction shall be replaced / repaired at no cost to Owner.
5. Any painted/stained elements damaged by any construction activities shall be restored/painted/stained to match pre-construction condition.
6. Do not place loads on the structure or store demolished materials on the structure in a manner that will surpass design loads.
7. All construction materials kept in elevated surface areas shall remain secured to ensure the materials do not become airborne and cause injury or damage to the building or its occupants.
8. Areas that are not directly under construction that are used as pathways to transport materials, or to remove trash, are to be kept clean at all times. This maintenance includes, but not limited to dusting, sweeping, mopping, and picking up trash as required to keep the areas free of waste materials, debris, and rubbish.

I. UNIT PRICE WORK QUANTITY ADMINISTRATION

1. Contractor is responsible for maintaining accurate documentation and submission in a timely fashion of measured repair quantities for all Unit Price Work.
2. For Unit Price Work Items, Contractor shall maintain a Record Drawing showing the general location, size, and associated Work Item of each repair. Record Drawing shall include repair quantity for each repair location or be keyed to a spreadsheet/quantity documentation sheet with the quantities.
3. For each repair location: repair quantities shall be measured to the nearest inch in all applicable directions, the precise pay unit quantity dimension determined, and then rounded up to the nearest whole pay unit increment (square foot, lineal foot, etc.).
4. Contractor shall provide Record Drawing and Quantities to Engineer prior to each concrete placement and/or work phase, or at minimum, with each application for Payment. Engineer will generally verify measurements and quantities to the extent the engineer deems appropriate.
5. See section 02 00 10 "Work Items" for additional administration requirements for each specific Work Item.

J. MISCELLANEOUS CONCRETE SITE REQUIREMENTS

1. The following requirements apply to concrete and asphalt sawcutting and other similar work (cutting, grinding, drilling, etc):
   a. Discharge of water, dust, or debris from concrete work to storm or sanitary is prohibited.
   b. Storm drains must be protected from dust and debris.
   c. Any water used during concrete work (including sweeping and sawcutting) must be contained and collected for proper disposal. Suggested controls include wet vacuum, absorbants.
   d. Good housekeeping practices must be employed at the jobsite. Minimize dust.
2. In addition to meeting local regulations, the following requirements apply to concrete washout areas:
   a. Do not discharge concrete washout into storm drains, catch basins, or to the sanitary sewer system. Perform washing of concrete trucks in designated areas or offsite.
      1) Designated areas shall be clearly labeled and be a pit or impermeable container that is a barrier to run off of wastewater/materials and prevents seepage into the ground. Place designated areas a minimum of 50 feet from storm drains, bodies of water, and ditches.
   b. Once concrete washout has hardened, break up and dispose of properly. Disposal of hardened concrete should occur on a regular basis.
   c. Washout facilities must be cleaned, or new facilities provided once the washout area is 75% full.
   d. Cover all existing drains in and below repair area with filter fabric.
3. The following requirements apply to waste disposal:
   a. Wash water, paints, solvents, & other chemicals, including chemical and solvent mixtures, residues, contaminated rags, and containers, should be evaluated for proper disposal. If the waste is regulated, appropriate and legal disposal must be arranged.
   b. Disposal/discharge of wash waters, cleaners, etc. into storm drain is prohibited.

K. GENERAL CONCRETE REQUIREMENTS

1. CAST-IN-PLACE CONVENTIONAL CONCRETE (03 30 21)

Compressive Strength	5000 PSI @ 28 Days
Water-Cement Ratio	0.40 MAX
Max. Size Aggregate	1/2 IN.
Slump (Maximum)	6" W/ Superplasticizer (after water reducer addition)
Air Content	7% ± 1-1/2%
Cement Content	658 LB/CY MIN
DCI	2 GAL/CY

2. PREPACKAGED REPAIR MATERIAL (03 37 60)

Compressive Strength	5000 psi at 28 DAYS

3. MISCELLANEOUS REQUIREMENTS
   a. Engineer shall be notified a minimum of 24 hours for observation of prepared concrete surfaces.

L. CONCRETE PROTECTION FOR REINFORCEMENT

1. The following applies for full section replacement where shown on drawings.
2. The minimum concrete protection for reinforcement shall be per the latest adopted edition of ACI 318.
3. For pre-stressed and non-pre-stressed reinforcement in pre-stressed/pre-cast concrete members, the minimum concrete protection at top of members shall be 1-1/2 in.
4. Minimum cover for reinforcing in non-pre-stressed concrete and non-post-tensioned members.

	Minimum Concrete Cover (inches)
a. Slab top reinforcement	1-1/2
b. Slab bottom reinforcement	3/4
c. Beam top reinforcement, Unless Noted	3*
d. Beam stirrups at sides and bottom of beam	1-1/2
e. Beam stirrups at top of beam	2-1/2
f. Column ties	1-1/2

* Or 3x bar diameter, whichever is greater.

M. EPOXY COATING FOR REINFORCEMENT AND ANCHORS

1. Epoxy coat all reinforcement exposed within repair areas, except welded wire reinforcement used within repair areas.

N. STRUCTURAL STEEL

		FY, psi	ASTM
1.	Structural Shapes		
	a. W-shapes	50,000	A992
	b. M-shapes, S-shapes, HP-shapes, channels, angles	36,000	A36
2.	Hollow Structural Sections		
	a. Rectangular and square	46,000	A500 GR. B
	b. Round	42,000	A500 GR. B
3.	Steel Pipes	35,000	A53 GR. B
4.	Structural Plates and Bars	36,000	A36
5.	Bolts		
	a. 1/2" dia. to 1" dia., Unless Noted	92,000	A325
	b. 1-1/8" dia. to 1-1/2" dia., Unless Noted	81,000	A325
6.	Anchor Rods	36,000	F1554 GR. 36

7. Welding Electrodes edit aws standard per chapter 35 of ibc.

a. SMAW	E70XX	AWS D1.1-latest edition
b. SAW	F7XX-EXX	AWS D1.1-latest edition
c. GMAW	ER70S-X	AWS D1.1-latest edition
d. FCAW	E7XT-X	AWS D1.1-latest edition

8. Structural steel shop drawings shall be submitted by the contractor for Engineer's review prior to any fabrication.

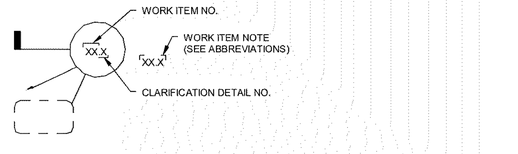
O. POST-INSTALLED ANCHORS

1. Expansion Anchors – Hilti Kwik Bolt III, Unless noted.
2. Adhesive Anchors – Hilti HY200, Unless noted.
3. Contractor shall locate existing embedded reinforcement using non-destructive testing prior to fabrication of attachments or drilling of holes. Notify Engineer of obstructions that will prevent installation of anchors at design locations.
4. Post-installed Anchors must be installed using the spacing and edge distances given on the plans or details. If field conditions dictate that the anchor spacing or edge distance be modified, the Contractor shall submit a field sketch to the Engineer for review prior to making any modifications.
5. Post-installed anchor holes shall be drilled and cleaned per manufacturer's written instructions.
6. Adhesive Anchors shall be installed by an ACI-CRSI Certified "Adhesive Anchor Installer.

P. ABBREVIATIONS

1.	APPROX	=	Approximately
2.	AGG	=	Aggregate
3.	BM	=	Beam
4.	BOT	=	Bottom
5.	CIP	=	Cast in Place
6.	CFV	=	Contractor Field Verify
7.	CJ	=	Construction Joint/Control Joint
8.	CLR	=	Clearance
9.	COL	=	Column
10.	CONC	=	Concrete
11.	CY	=	Cubic Yard
12.	DET	=	Detail
13.	EA	=	Each
14.	EE	=	Each End
15.	ES	=	Each Side
16.	EMBED	=	Embedment length
17.	EJ	=	Expansion Joint
18.	EXIST	=	Existing
19.	FIN	=	Finished
20.	FL	=	Floor
21.	HDG	=	Hot-Dipped Galvanized
22.	IN	=	Inches
23.	INC	=	Incidental
24.	LF	=	Linear Foot
25.	LS	=	Lump Sum
26.	MAX	=	Maximum
27.	MIN	=	Minimum
28.	N/A	=	Not Applicable
29.	OC	=	On Center
30.	OBA	=	On Beam Above
31.	OCA	=	On Ceiling Above
32.	OH	=	Opposite Hand
33.	P/C	=	Precast
34.	PSF	=	Pounds Per Square Foot
35.	PSI	=	Pounds Per Square Inch
36.	PT	=	Post-Tensioned
37.	REINF	=	Reinforcement
38.	REQ'D	=	Required
39.	SF	=	Square Foot
40.	SIM	=	Similar
41.	SOG	=	Slab on Ground
42.	SPEC	=	Specification
43.	SUPT	=	Supported
44.	T	=	Top
45.	TAR	=	Typical as Required
46.	TYP	=	Typical
47.	UN or UNO	=	Unless Noted Otherwise
48.	VIF	=	Verify in Field (Contractor)
49.	WI	=	Work Item
50.	WWR	=	Welded Wire Reinforcement

SEND



Notes:
1. Not all work items have details.
2. See specifications for additional information.

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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

MARK	DATE	DESCRIPTION
		REVISIONS

ISSUE:	RELEASED FOR BIDS
ISSUE DATE:	03/10/2025
PROJECT NO:	31-009608.30
DRAWN BY:	MJK/SPK
CHECKED BY:	JSM

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SHEET TITLE:
GENERAL NOTES

R-001

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WORK ITEM SCHEDULES

WORK ITEM SCHEDULE - TIF #1

WORK ITEM	DESCRIPTION	UNITS	FAÇADE	GROUND LEVEL	SECOND LEVEL	THIRD LEVEL	FOURTH LEVEL	FIFTH LEVEL	PARTIAL FIFTH LEVEL	TOTAL
1.1	General Requirements	L.S.				1				1
2.1	Pressure Wash SOG	L.S.	-	1	-	-	-	-	-	1
3.1	Floor Repair - Precast	S.F.	-	-	100	65	75	40	-	280
3.3	Floor Repair - Full Depth	S.F.	-	-	-	5	5	-	-	10
3.9	Floor Repair - Lifting Loop	EA.	-	-	-	7	-	8	-	15
3.10	Stair Nosing Repair	S.F.	-	-	-	10	5	-	-	15
3.11	Slab-On-Grade Repair	S.F.	-	25	-	-	-	-	-	25
3.12	Slab-On-Grade Repair	S.F.	-	550	-	-	-	-	-	550
4.1	Ceiling Repair	S.F.	-	15	-	15	10	-	-	40
6.1	Column Repair	S.F.	50	-	-	-	-	-	-	50
7.1	Wall Repair	S.F.	5	-	5	5	5	5	-	25
7.5	Grout Bed	L.F.	-	220	-	-	-	-	-	220
8.1	Tee Stem Repair	S.F.	-	10	10	15	5	-	-	40
8.4	Tee Flange Repair	S.F.	-	75	10	-	15	-	-	100
11.1	Seal Random Floor Cracks	L.F.	-	-	485	325	290	335	15	1,450
11.2	Construction Joint Sealant	L.F.	-	-	-	100	100	-	-	200
11.3	Vertical Joint Sealant	L.F.	500	-	-	-	-	-	-	500
11.4	Tee-to-Tee Joint Sealant	L.F.	-	-	85	470	560	860	25	2,000
11.7	Cove Sealant	L.F.	-	220	-	40	40	20	-	320
11.8	Horizontal Joint Sealant	L.F.	80	-	-	-	-	-	-	80
11.9	Reseal Floor Cracks	L.F.	-	-	-	-	-	30	-	30
11.10	Window Glazing Cap Seal	L.F.	50	-	-	-	-	-	-	50
15.1	Silane Sealer	S.F.	-	-	60,000	73,500	73,500	73,500	8,500	289,000
16.1	Traffic Topping - Vehicular	S.F.	-	-	-	-	50	-	-	50
25.1	Replace Floor Drain	EA.	-	-	-	-	-	2	-	2
37.2	Replace Door and Frame	EA.	-	-	-	-	-	1	-	1
40.2	Shear Connector Replacement	EA.	-	-	1	4	30	5	-	40
40.3	Reweld Connections	EA.	-	-	-	-	-	5	-	5
43.2	Replace Wall Opening Grates	EA.	-	-	-	-	-	16	-	16
43.3	Replace Handrail	EA.	-	1	-	-	-	-	-	1
45.1	Paint Traffic Markings	LVL.	-	1	1	1	1	1	1	6
45.6	Clean and Paint Connections	EA.	-	30	-	-	-	4	-	34
45.7	Clean and Paint Angle	EA.	-	1	1	1	-	-	-	3
45.9	Clean and Paint Handrails	EA.	-	2	2	2	2	1	-	9
45.10	Clean and Paint Window Frame	L.S.	-	1	1	-	-	-	-	2
80.3	Replace CMU	EA.	-	2	-	-	-	-	-	2

WORK ITEM SCHEDULE - TIF #2

WORK ITEM	DESCRIPTION	UNITS	GROUND LEVEL	SECOND LEVEL	THIRD LEVEL	FOURTH LEVEL	FIFTH LEVEL	TOTAL
1.1	General Requirements	L.S.			1			1
2.1	Pressure Wash SOG	L.S.	1	-	-	-	-	1
3.1	Floor Repair - Precast	S.F.	-	165	70	35	15	285
3.4	Floor Repair - Curb	S.F.	-	-	-	5	-	5
3.10	Stair Nosing Repair	S.F.	5	-	5	-	-	10
4.1	Ceiling Repair	S.F.	15	-	-	-	-	15
5.1	Beam Repair - Precast	S.F.	5	-	-	-	-	5
6.1	Column Repair	S.F.	10	-	-	-	-	10
6.6	Haunch Repair	S.F.	-	-	5	-	-	5
7.1	Wall Repair	S.F.	-	-	5	-	-	5
8.1	Tee Stem Repair	S.F.	5	-	-	-	-	5
8.4	Tee Flange Repair	S.F.	4	4	4	3	-	15
8.7	Tee Flange Strengthening	EA.	-	-	12	-	-	12
11.1	Seal Random Floor Cracks	L.F.	-	360	520	200	20	1,100
11.2	Construction Joint Sealant	L.F.	-	-	40	15	-	55
11.4	Tee-to-Tee Joint Sealant	L.F.	-	170	430	250	5	855
11.7	Cove Sealant	L.F.	-	-	40	10	-	50
15.1	Silane Sealer	S.F.	-	55,000	58,300	58,300	21,500	193,100
16.1	Traffic Topping - Vehicular	S.F.	-	-	-	85	-	85
25.1	Replace Floor Drain	EA.	-	2	-	-	-	2
25.3	Replace Drainpipe	L.F.	-	-	10	-	-	10
25.6	Rehang Pipe	EA.	1	-	-	-	-	1
30.7	Reattach Light Fixture	EA.	-	-	-	2	-	2
37.2	Replace Door and Frame	EA.	4	4	4	9	-	21
40.2	Shear Connector Replacement	EA.	-	-	10	5	5	20
43.1	Replace Barrier Cable	L.F.	430	180	-	-	400	1,010
43.4	Remove and Replace Bollard	EA.	8	-	-	2	-	10
43.5	Reanchor Railing	EA.	-	-	-	1	-	1
45.1	Paint Traffic Markings	LVL.	1	1	1	1	1	5
45.7	Clean and Paint Angle	EA.	-	-	1	-	-	1
45.8	Clean and Paint Steel Stair Stringers and Risers	EA.	-	-	-	1	-	1

WORK ITEM SCHEDULE - MUNICIPAL

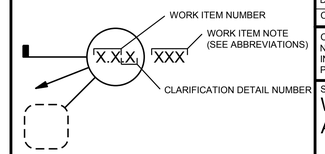
WORK ITEM	DESCRIPTION	UNITS	GROUND LEVEL	SECOND LEVEL	THIRD LEVEL	TOTAL
1.1	General Requirements	L.S.		1		1
3.1	Floor Repair - Cast-in-Place	S.F.	-	85	20	105
3.10	Stair Nosing Repair	S.F.	5	-	-	5
4.1	Ceiling Repair	S.F.	20	140	-	160
5.1	Beam Repair - Cast-in-Place	S.F.	5	-	-	5
6.1	Column Repair	S.F.	15	10	-	25
7.1	Wall Repair	S.F.	10	-	-	10
10.1	Expansion Joint - Header Repair	L.F.	-	20	-	20
10.5	Expansion Joint - Compression Foam Seal	L.F.	-	40	40	80
11.2	Construction Joint Sealant	L.F.	-	200	170	370
11.3	Vertical Joint Sealant	L.F.	-	-	10	10
11.5	Epoxy Inject Cracks	L.F.	-	10	-	10
11.7	Cove Sealant	L.F.	-	30	490	520
11.8	Horizontal Joint Sealant	L.F.	-	50	100	150
16.1	Traffic Topping - Vehicular	S.F.	-	400	600	1,000
37.2	Replace Door and Frame	EA.	1	1	1	3
45.5	Clean and Paint Door	EA.	-	-	1	1
76.3	Tuckpointing	L.F.	-	10	-	10
80.1	Remove and Replace Face Brick	S.F.	-	10	-	10

WORK ITEM SCHEDULE - EVERGREEN

WORK ITEM	DESCRIPTION	UNITS	LOWER LEVEL	UPPER LEVEL	TOTAL
1.1	General Requirements	L.S.	1		1
3.11	Slab-On-Grade Repair	S.F.	35	-	35
4.1	Ceiling Repair	S.F.	155	-	155
5.1	Beam Repair - Cast-in-Place	S.F.	10	-	10
7.1	Wall Repair	S.F.	10	-	10
25.2	Replace Drain Grate	EA.	1	-	1
37.2	Replace Door and Frame	EA.	1	1	2
43.6	Replace Handrail	L.S.	1	-	1
99.1	Investigative Openings	EA.	4	2	6

LEGEND

- FLOOR SPALL OR DELAMINATION
- CEILING SPALL OR DELAMINATION
- EXISTING DRAIN (F.D.)
- CONSTRUCTION JOINT (C.J.)
- EXPANSION JOINT (E.J.)



WORK ITEM IDENTIFICATION

NOTES:
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2. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

MARK	DATE	DESCRIPTION

REVISIONS

ISSUE:	RELEASED FOR BIDS
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PROJECT NO:	31-009608.30
DRAWN BY:	MJK/SPK
CHECKED BY:	JSM

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SHEET TITLE:
WI SCHEDULE AND LEGEND

R-002

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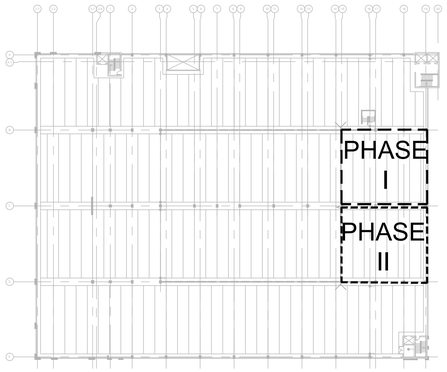
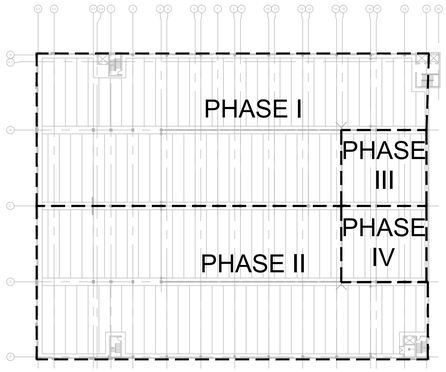


1 PARTIAL FIFTH LEVEL PLAN



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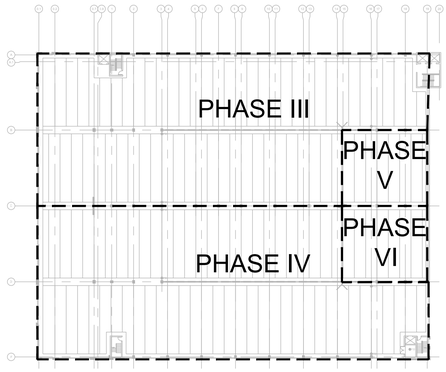
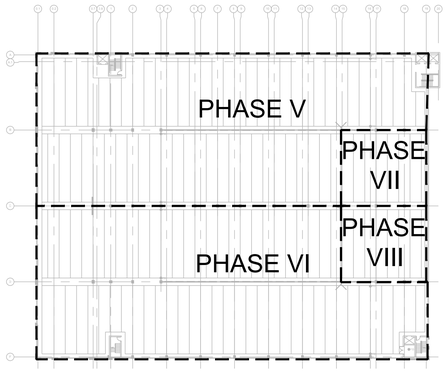
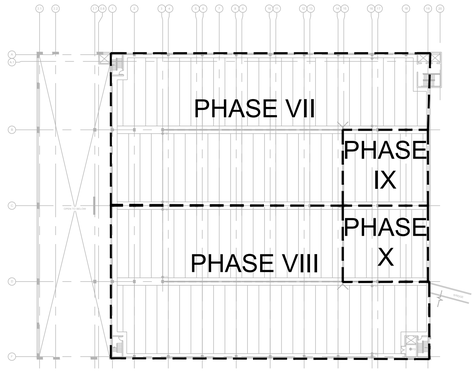


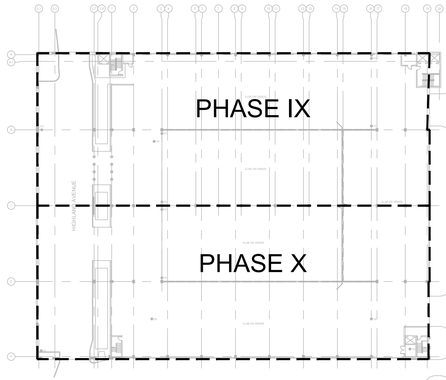
3 FOURTH LEVEL PLAN



4 THIRD LEVEL PLAN



5 SECOND LEVEL PLAN



6 GROUND LEVEL PLAN

SHEET NOTES:
1. WORK ON A PARTICULAR LEVEL WILL CLOSE THE LEVEL BELOW AS WELL.

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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

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SHEET TITLE:
PHASING PLANS - TIF #1

R-003

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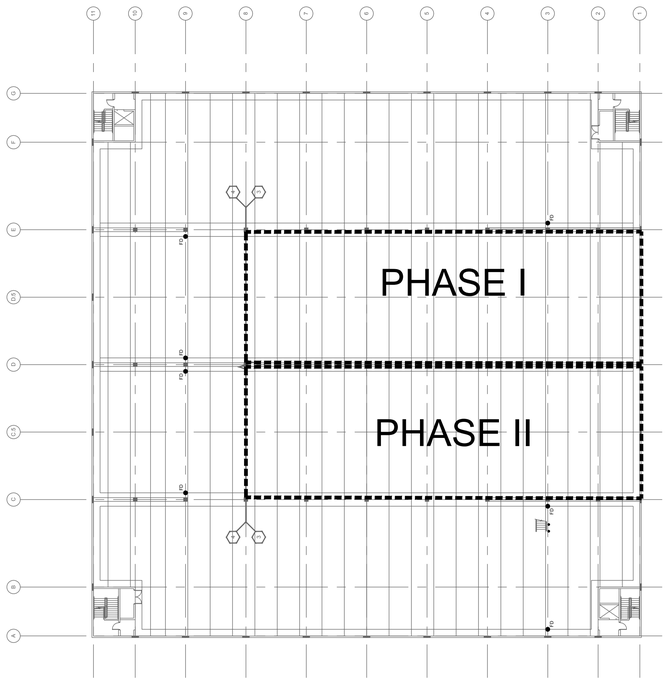
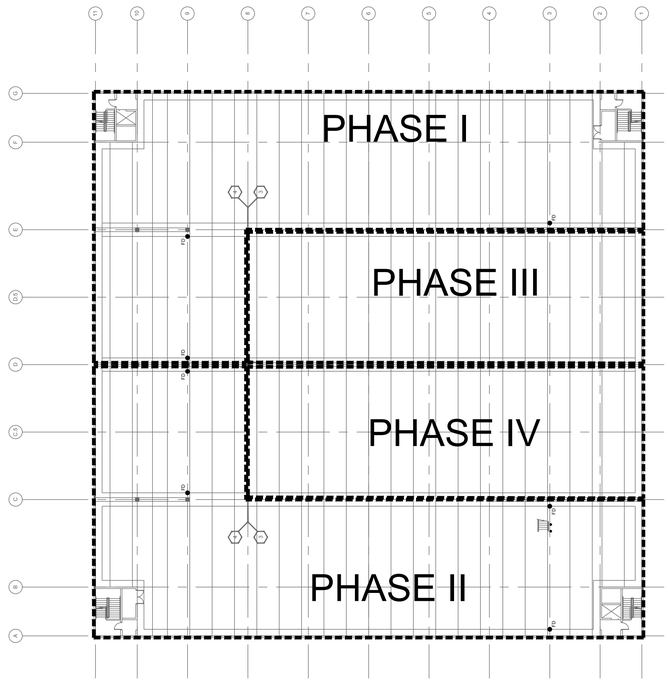


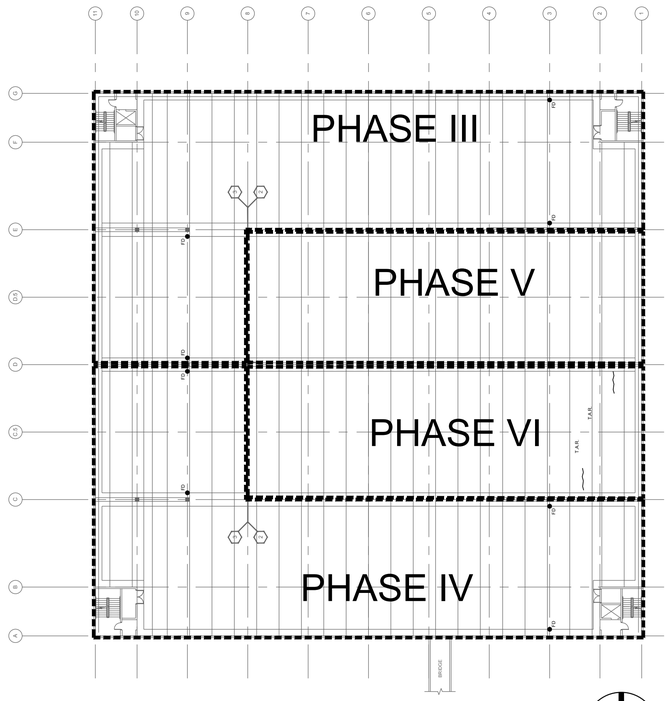
1 FIFTH LEVEL PLAN

NORTH



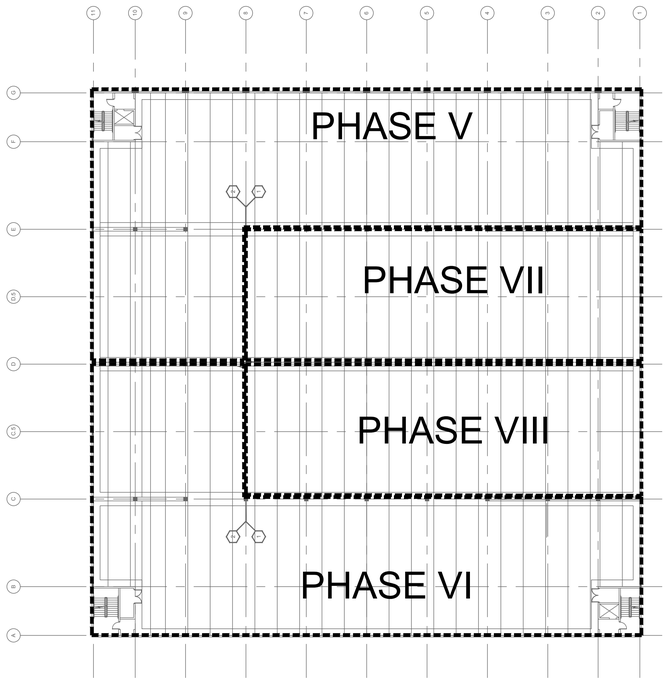
2 FOURTH LEVEL PLAN

NORTH



3 THIRD LEVEL PLAN

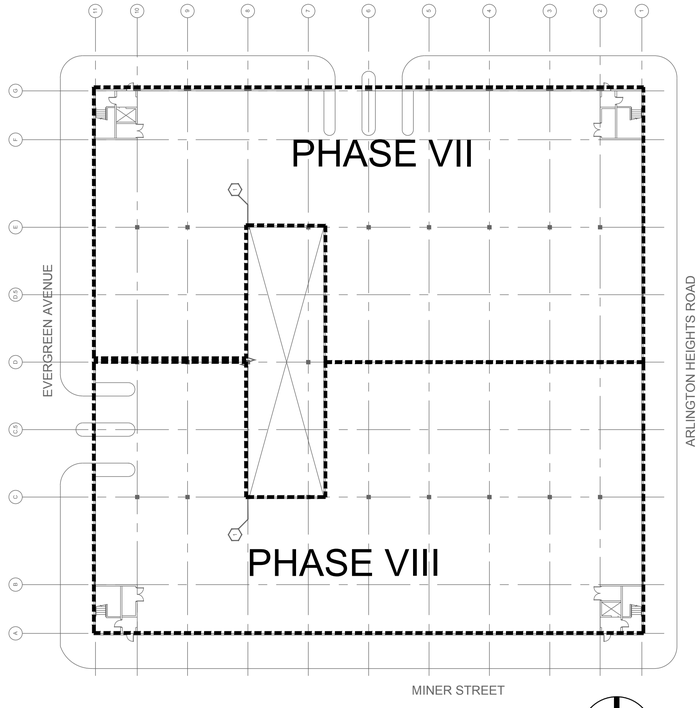
NORTH



4 SECOND LEVEL PLAN

NORTH

EASTMAN STREET



MINER STREET

5 GROUND LEVEL PLAN

NORTH

SHEET NOTES:
1. WORK ON A PARTICULAR LEVEL WILL CLOSE THE LEVEL BELOW AS WELL.

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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

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SHEET TITLE:
PHASING PLANS - TIF #2

R-004

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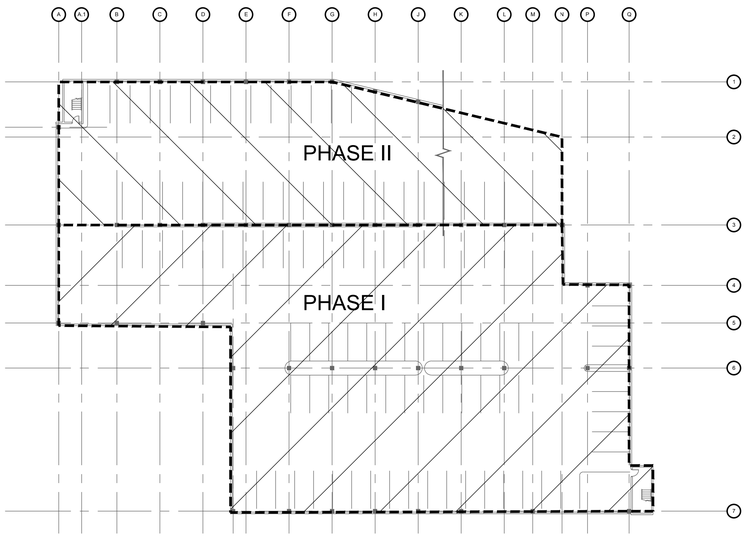
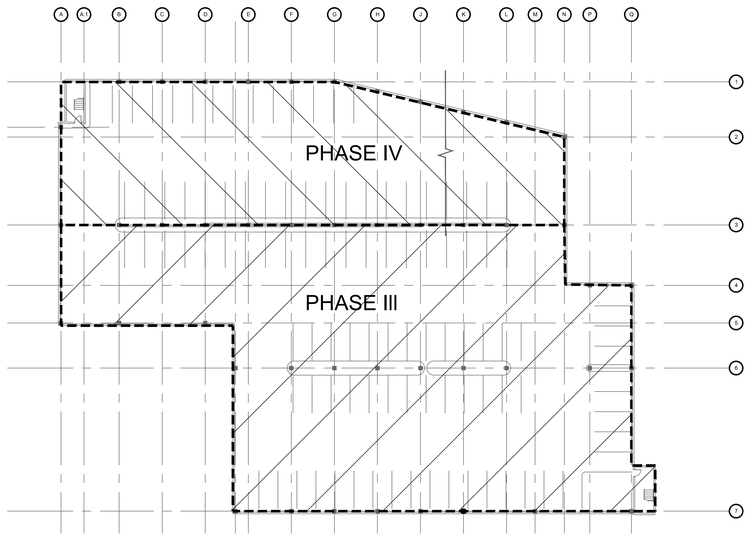
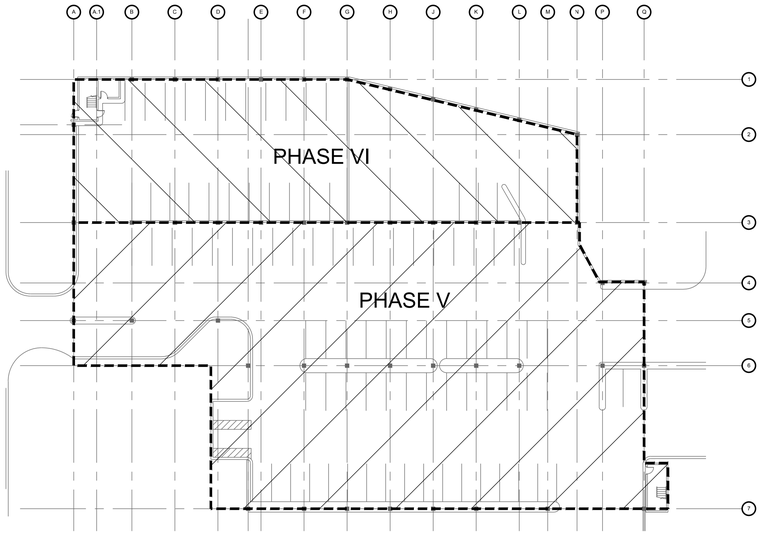


1 THIRD LEVEL PLAN
MUNICIPAL PARKING STRUCTURE



2 SECOND LEVEL PLAN
MUNICIPAL PARKING STRUCTURE



3 GRADE LEVEL PLAN
MUNICIPAL PARKING STRUCTURE

SHEET NOTES:
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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

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SHEET TITLE:
PHASING PLANS - MUNICIPAL

R-005

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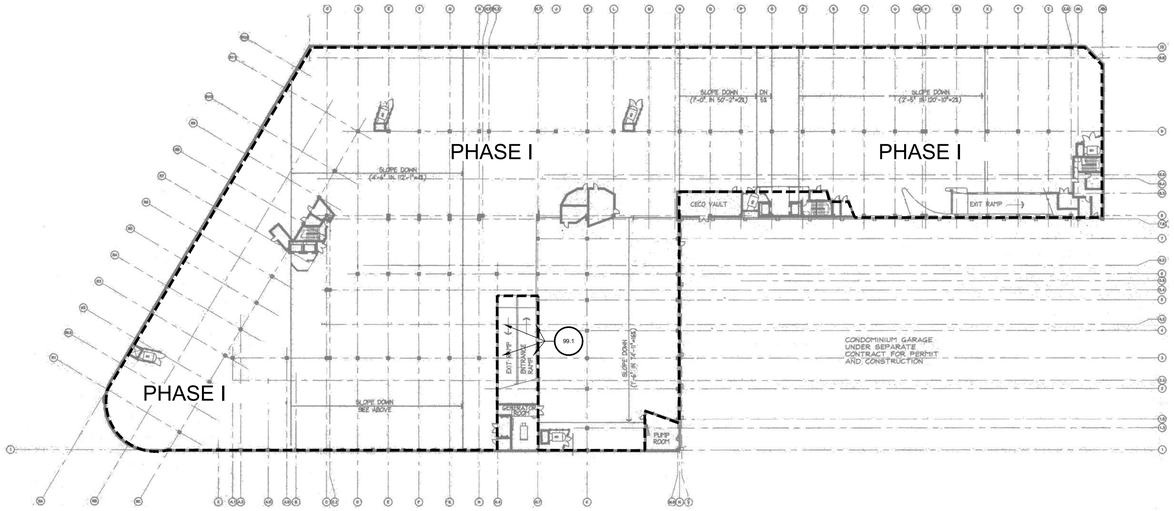
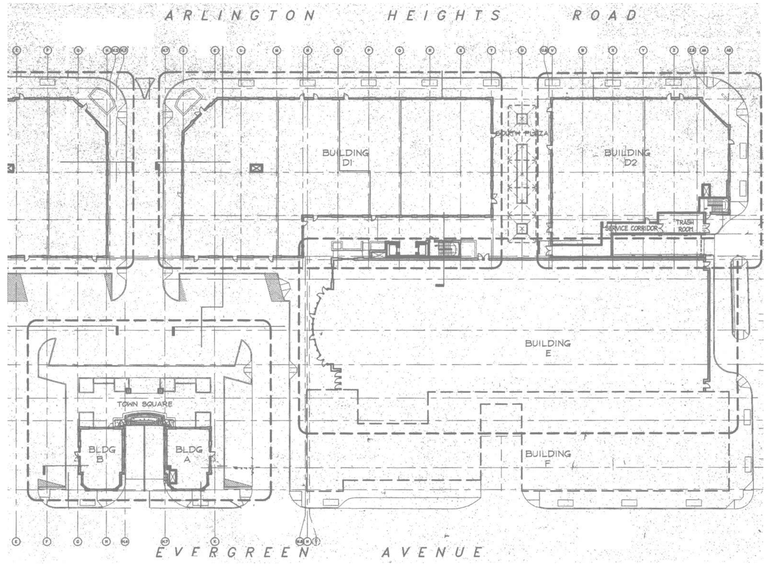


2 LOWER LEVEL FLOOR PLAN

NORTH



1 UPPER LEVEL FLOOR PLAN

NORTH

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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

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SHEET TITLE:
PHASING PLANS - EVERGREEN

R-006

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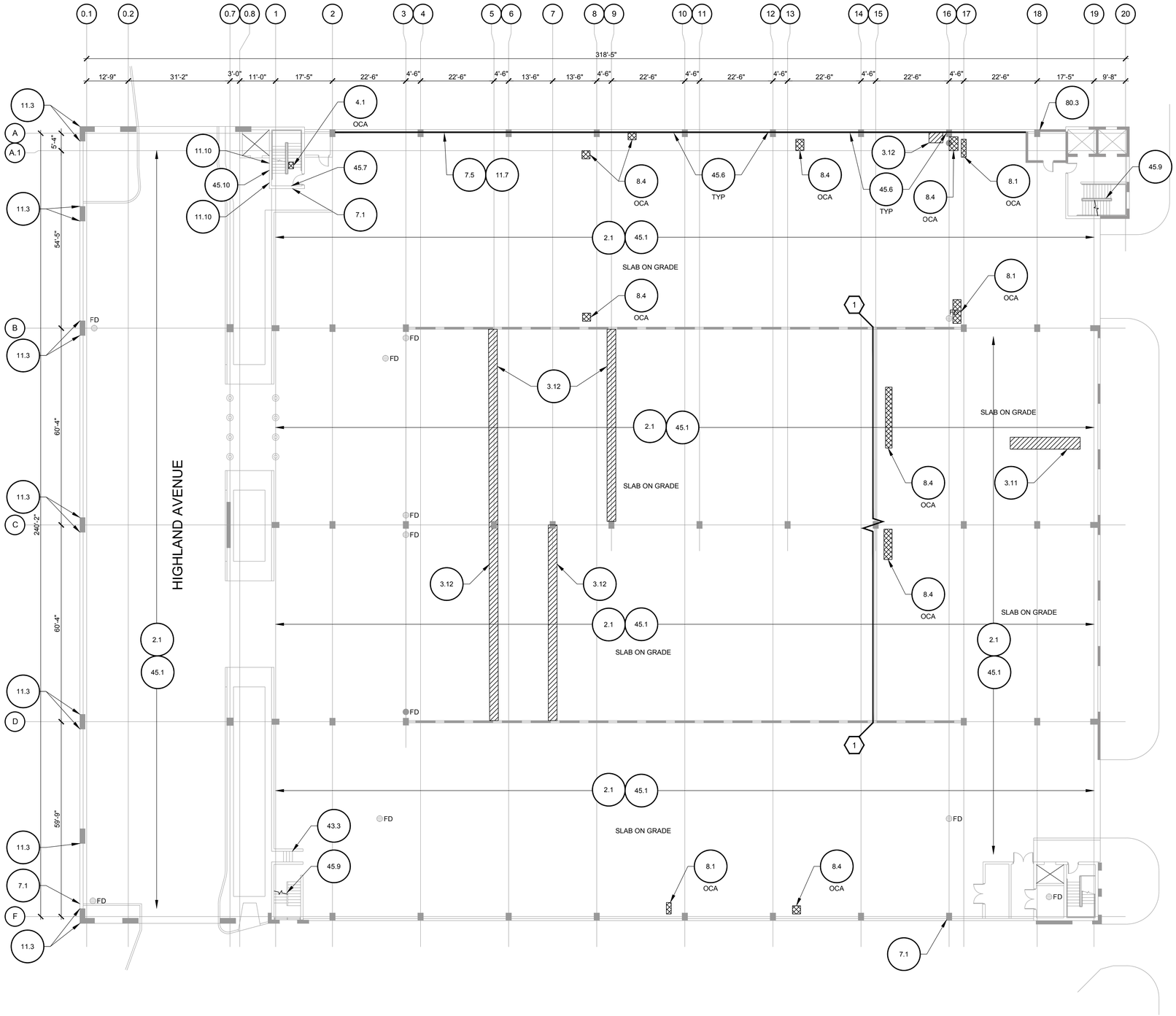


1 GROUND LEVEL PLAN

SHEET NOTES

REFERENCES:

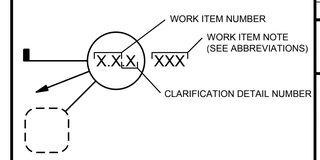
1.	GENERAL NOTES	R-001
2.	WORK ITEM SCHEDULES	R-002
3.	PHASING PLANS	R-003 - R-006
4.	FLOOR PLANS	R-100 - R-400 SERIES
5.	REPAIR DETAILS	R-500 SERIES

NOTES:

1. DIMENSIONS SHOWN ON PLANS ARE BASED ON ORIGINAL CONSTRUCTION DOCUMENTS. THE CONTRACTOR IS REQUIRED TO FIELD VERIFY ALL CONDITIONS. DO NOT SCALE DRAWINGS.
2. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXTENT AND LOCATIONS OF REPAIR AREAS IN ACCORDANCE WITH THE SPECIFICATIONS. WORK ITEM IS SHOWN ONLY TO REPRESENT THE TYPES OF REPAIRS.
3. DRAWINGS ARE BASED ON LIMITED INFORMATION. CONTRACTOR SHALL MAKE SUCH INVESTIGATIONS AS IT DEEMS NECESSARY IN ADVANCE OF BIDDING. CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE, IN WRITING, OF ANY DISCREPANCIES FOUND BETWEEN DRAWINGS AND FIELD CONDITIONS PRIOR TO SUBMISSION OF BID.
4. REFER TO SPECIFICATION SECTION 02 00 10 FOR DESCRIPTION OF WORK ITEMS.
5. THE CONTRACTOR SHALL REVIEW ALL EXISTING CONDITIONS TO DETERMINE ALL ELECTRICAL AND MECHANICAL SERVICES AND UTILITIES AFFECTED BY THE REPAIR WORK. ELECTRICAL CONDUITS AND LIGHT FIXTURES ARE TO BE MAINTAINED. MAKE NECESSARY TEMPORARY CONNECTIONS TO MAINTAIN SERVICES TO ALL AREAS OF THE PARKING STRUCTURE AFFECTED BY THE REPAIR WORK.
6. REFER TO SHEET R-001 FOR LEGEND AND GENERAL NOTES. REFER TO SHEET R-002 FOR W.I. SCHEDULE.
7. REFER TO SHEETS R-501 - R-505 FOR REPAIR DETAILS.

LEGEND

- FLOOR SPALL OR DELAMINATION
- CEILING/BEAM SPALL OR DELAMINATION
- SHEAR CONNECTOR
- TEE TO TEE JOINT SEALANT
- FLOOR CRACKS
- FD — EXISTING DRAIN (F.D.)
- CONSTRUCTION JOINT (C.J.)
- EXPANSION JOINT (E.J.)



WORK ITEM IDENTIFICATION

NOTES:
1. NOT ALL WORK ITEMS HAVE DETAILS.
2. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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SHEET TITLE:
TIF #1 -
GROUND LEVEL PLAN

R-101

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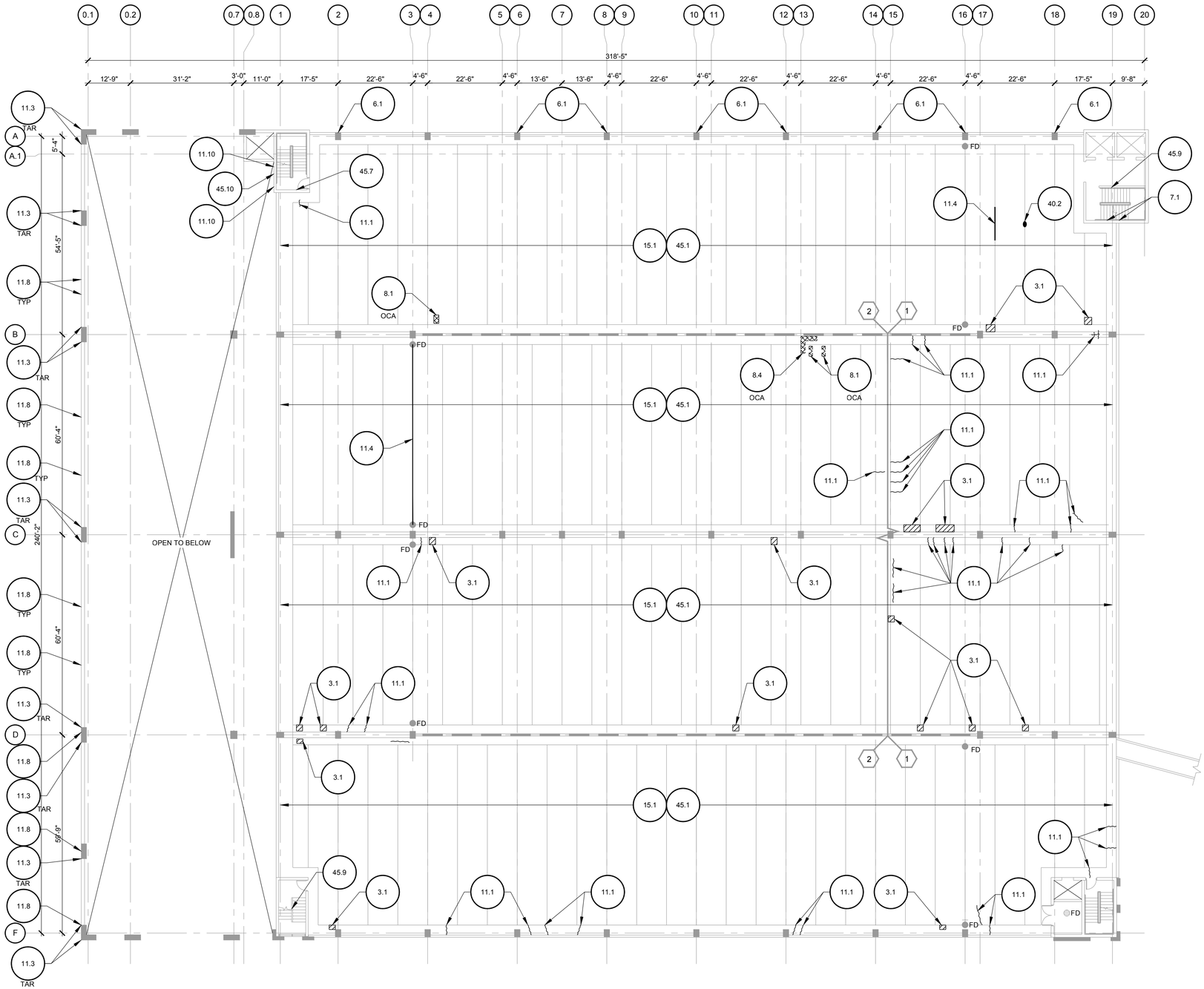


1 SECOND LEVEL PLAN

NORTH

SHEET NOTES

REFERENCES:

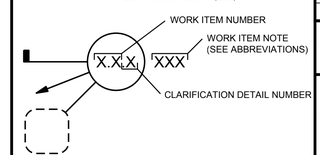
1.	GENERAL NOTES	R-001
2.	WORK ITEM SCHEDULES	R-002
3.	PHASING PLANS	R-003 - R-006
4.	FLOOR PLANS	R-100 - R-400 SERIES
5.	REPAIR DETAILS	R-500 SERIES

NOTES:

1. DIMENSIONS SHOWN ON PLANS ARE BASED ON ORIGINAL CONSTRUCTION DOCUMENTS. THE CONTRACTOR IS REQUIRED TO FIELD VERIFY ALL CONDITIONS. DO NOT SCALE DRAWINGS.
2. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXTENT AND LOCATIONS OF REPAIR AREAS IN ACCORDANCE WITH THE SPECIFICATIONS. WORK ITEM IS SHOWN ONLY TO REPRESENT THE TYPES OF REPAIRS.
3. DRAWINGS ARE BASED ON LIMITED INFORMATION. CONTRACTOR SHALL MAKE SUCH INVESTIGATIONS AS IT DEEMS NECESSARY IN ADVANCE OF BIDDING. CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE, IN WRITING, OF ANY DISCREPANCIES FOUND BETWEEN DRAWINGS AND FIELD CONDITIONS PRIOR TO SUBMISSION OF BID.
4. REFER TO SPECIFICATION SECTION 02 00 10 FOR DESCRIPTION OF WORK ITEMS.
5. THE CONTRACTOR SHALL REVIEW ALL EXISTING CONDITIONS TO DETERMINE ALL ELECTRICAL AND MECHANICAL SERVICES AND UTILITIES AFFECTED BY THE REPAIR WORK. ELECTRICAL CONDUITS AND LIGHT FIXTURES ARE TO BE MAINTAINED. MAKE NECESSARY TEMPORARY CONNECTIONS TO MAINTAIN SERVICES TO ALL AREAS OF THE PARKING STRUCTURE AFFECTED BY THE REPAIR WORK.
6. REFER TO SHEET R-001 FOR LEGEND AND GENERAL NOTES. REFER TO SHEET R-002 FOR W.I. SCHEDULE.
7. REFER TO SHEETS R-501 - R-505 FOR REPAIR DETAILS.

LEGEND

- FLOOR SPALL OR DELAMINATION
- CEILING/BEAM SPALL OR DELAMINATION
- SHEAR CONNECTOR
- TEE TO TEE JOINT SEALANT
- FLOOR CRACKS
- FD — EXISTING DRAIN (F.D.)
- CONSTRUCTION JOINT (C.J.)
- EXPANSION JOINT (E.J.)



WORK ITEM IDENTIFICATION

NOTES:
1. NOT ALL WORK ITEMS HAVE DETAILS.
2. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

MARK	DATE	DESCRIPTION
REVISIONS		

ISSUE:	RELEASED FOR BIDS
ISSUE DATE:	03/10/2025
PROJECT NO:	31-009608.30
DRAWN BY:	MJK/SPK
CHECKED BY:	JSM

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SHEET TITLE:
TIF #1 -
SECOND LEVEL PLAN

R-102

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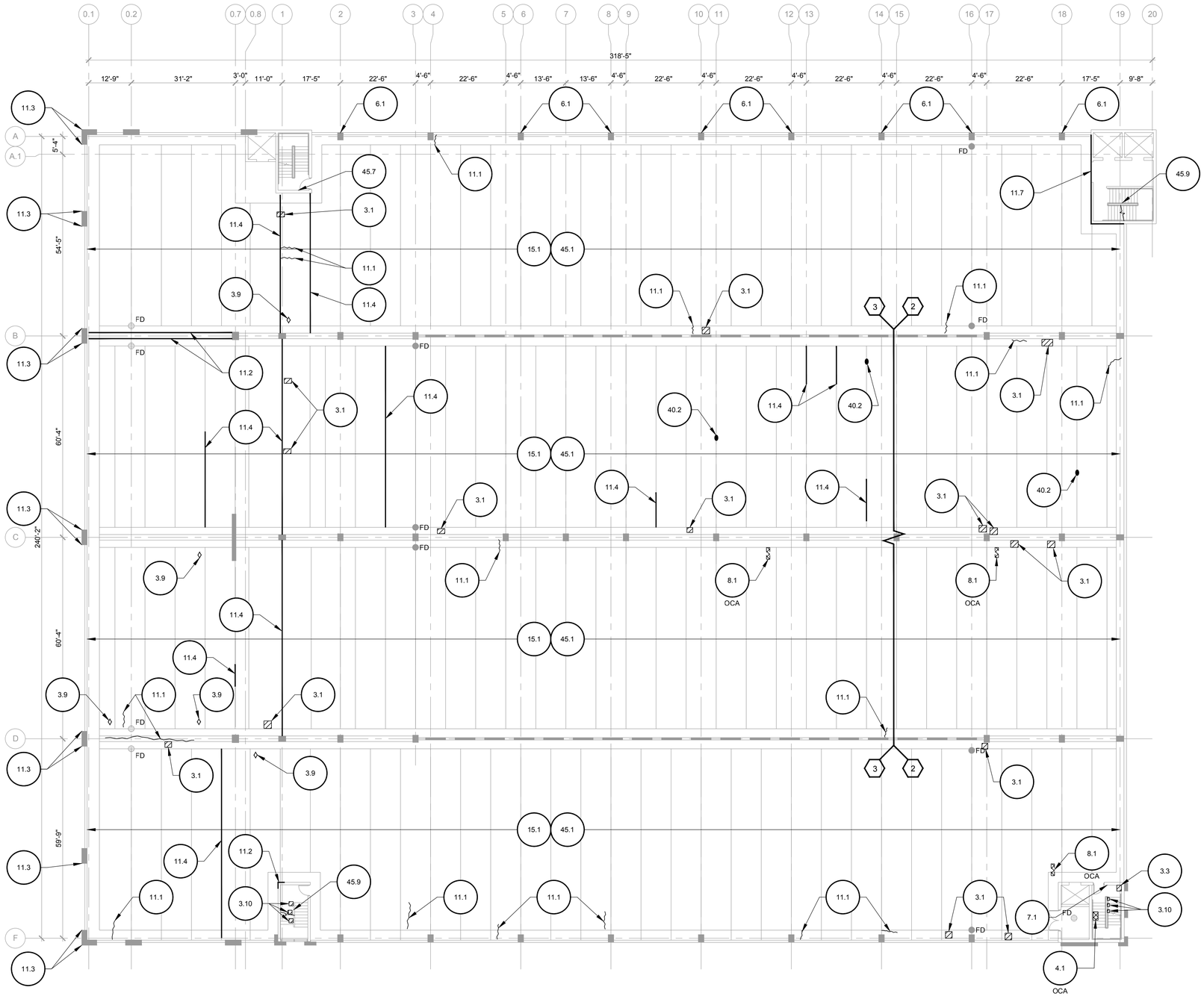

1 THIRD LEVEL PLAN

NORTH

SHEET NOTES

REFERENCES:

1.	GENERAL NOTES	R-001
2.	WORK ITEM SCHEDULES	R-002
3.	PHASING PLANS	R-003 - R-006
4.	FLOOR PLANS	R-100 - R-400 SERIES
5.	REPAIR DETAILS	R-500 SERIES

NOTES:

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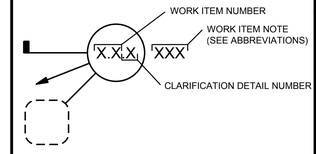
6. REFER TO SHEET R-001 FOR LEGEND AND GENERAL NOTES. REFER TO SHEET R-002 FOR W.I. SCHEDULE.
7. REFER TO SHEETS R-501 - R-505 FOR REPAIR DETAILS.

LEGEND

- FLOOR SPALL OR DELAMINATION
- CEILING/BEAM SPALL OR DELAMINATION
- SHEAR CONNECTOR
- TEE TO TEE JOINT SEALANT
- FLOOR CRACKS
- FD — EXISTING DRAIN (F.D.)
- CONSTRUCTION JOINT (C.J.)
- EXPANSION JOINT (E.J.)



WORK ITEM IDENTIFICATION

NOTES:
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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

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CHECKED BY:	JSM

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SHEET TITLE:
TIF #1 -
THIRD LEVEL PLAN

R-103

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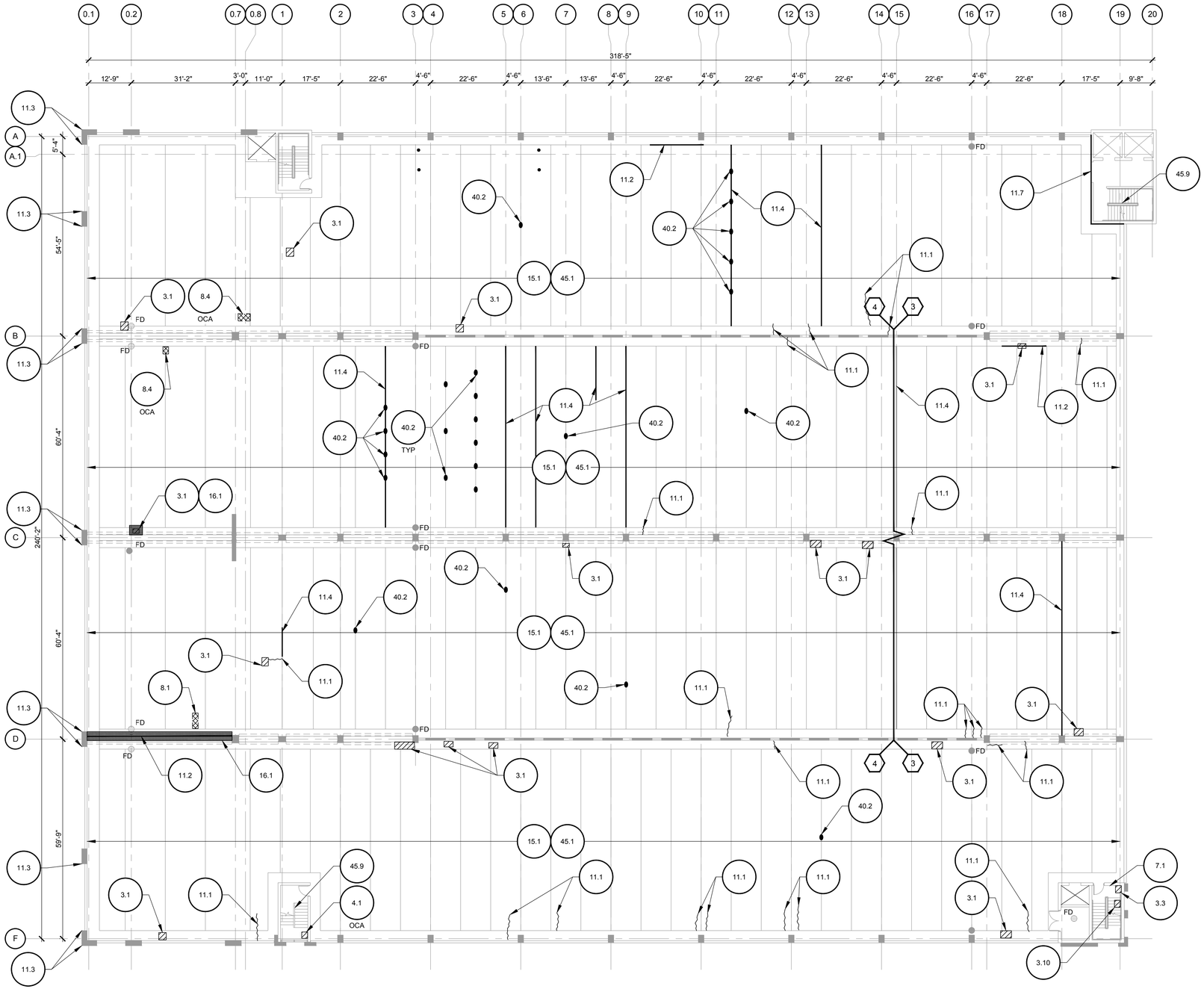

1 FOURTH LEVEL PLAN

NORTH

SHEET NOTES

REFERENCES:

1.	GENERAL NOTES	R-001
2.	WORK ITEM SCHEDULES	R-002
3.	PHASING PLANS	R-003 - R-006
4.	FLOOR PLANS	R-100 - R-400 SERIES
5.	REPAIR DETAILS	R-500 SERIES

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6. REFER TO SHEET R-001 FOR LEGEND AND GENERAL NOTES. REFER TO SHEET R-002 FOR W.I. SCHEDULE.
7. REFER TO SHEETS R-501 - R-505 FOR REPAIR DETAILS.

LEGEND

- FLOOR SPALL OR DELAMINATION
- CEILING/BEAM SPALL OR DELAMINATION
- SHEAR CONNECTOR
- TEE TO TEE JOINT SEALANT
- FLOOR CRACKS
- FD — EXISTING DRAIN (F.D.)
- CONSTRUCTION JOINT (C.J.)
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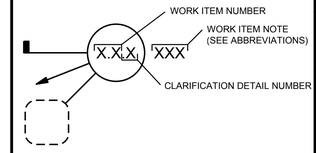

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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

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SHEET TITLE:
TIF #1 -
FOURTH LEVEL PLAN

R-104

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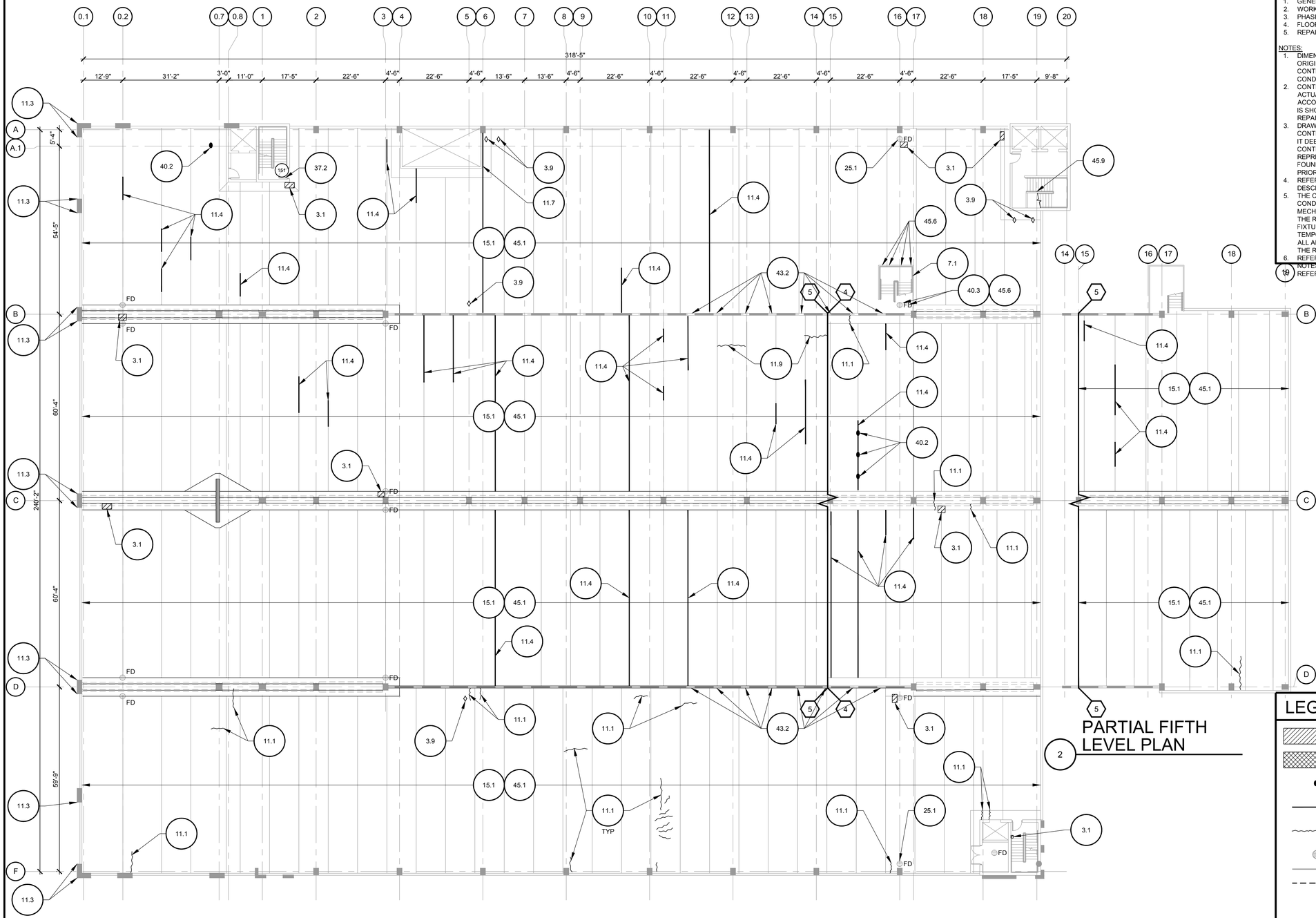

SHEET NOTES

REFERENCES:

1.	GENERAL NOTES	R-001
2.	WORK ITEM SCHEDULES	R-002
3.	PHASING PLANS	R-003 - R-006
4.	FLOOR PLANS	R-100 - R-400 SERIES
5.	REPAIR DETAILS	R-500 SERIES

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7. REFER TO SHEETS R-501 - R-505 FOR REPAIR DETAILS.

LEGEND

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- CEILING/BEAM SPALL OR DELAMINATION
- SHEAR CONNECTOR
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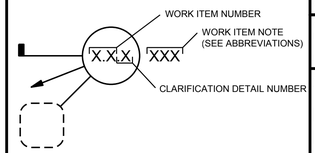
- FLOOR CRACKS
- FD — EXISTING DRAIN (F.D.)
- CONSTRUCTION JOINT (C.J.)
- EXPANSION JOINT (E.J.)



WORK ITEM IDENTIFICATION

NOTES:
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2. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

MARK	DATE	DESCRIPTION

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SHEET TITLE:
TIF #1 -
FIFTH AND PARTIAL FIFTH LEVEL PLAN

R-105

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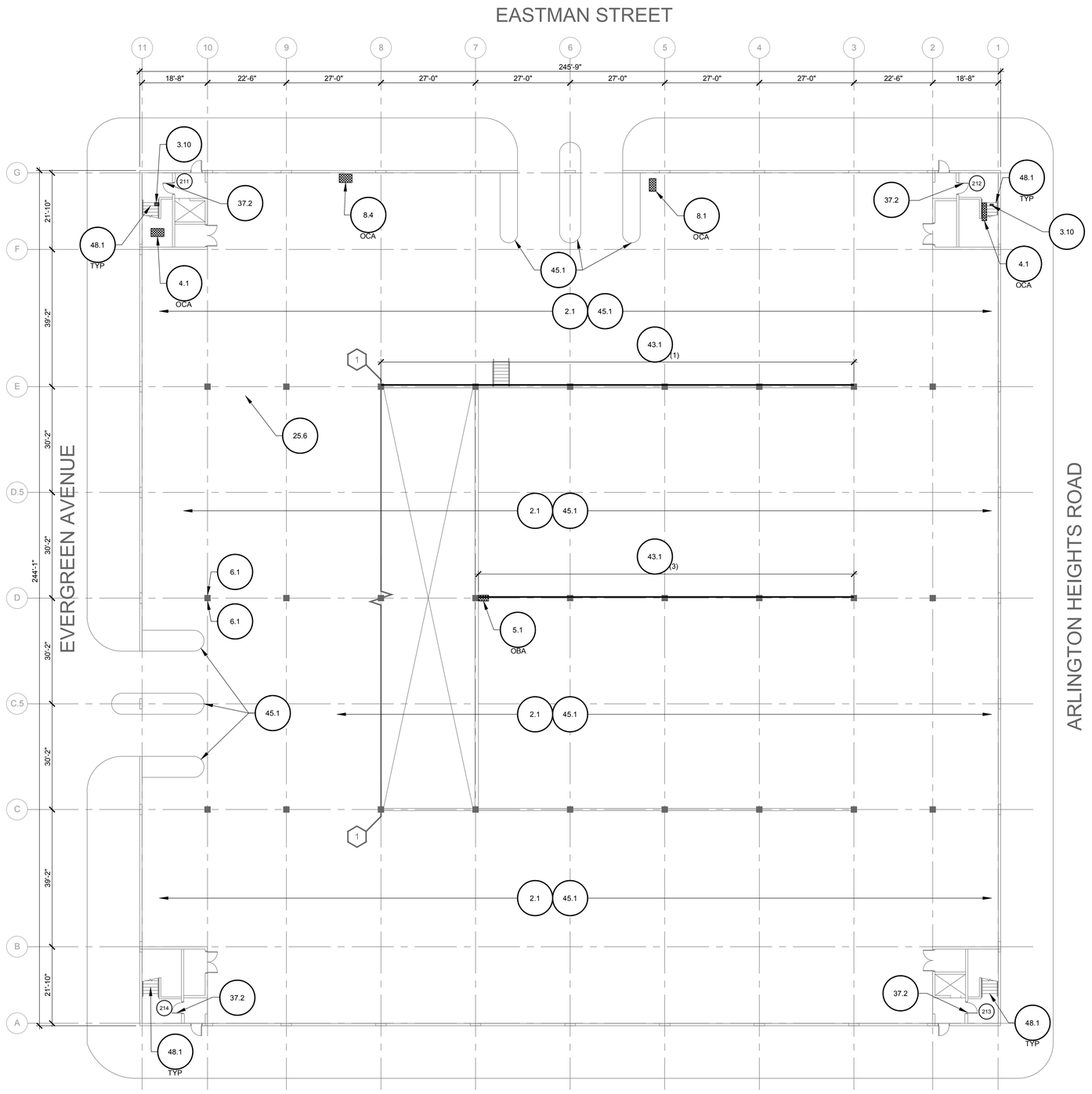

1 GROUND LEVEL PLAN

NORTH

SHEET NOTES

REFERENCES:

1.	GENERAL NOTES	R-001
2.	WORK ITEM SCHEDULES	R-002
3.	PHASING PLANS	R-003 - R-006
4.	FLOOR PLANS	R-100 - R-400 SERIES
5.	REPAIR DETAILS	R-500 SERIES

NOTES:

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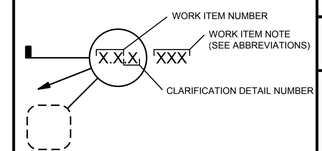
6. REFER TO SHEET R-001 FOR LEGEND AND GENERAL NOTES. REFER TO SHEET R-002 FOR W.I. SCHEDULE.
7. REFER TO SHEETS R-501 - R-505 FOR REPAIR DETAILS.

LEGEND

- FLOOR SPALL OR DELAMINATION
- CEILING/BEAM SPALL OR DELAMINATION
- SHEAR CONNECTOR
- TEE TO TEE JOINT SEALANT
- FLOOR CRACKS
- FD EXISTING DRAIN (F.D.)
- CONSTRUCTION JOINT (C.J.)
- EXPANSION JOINT (E.J.)



WORK ITEM IDENTIFICATION

NOTES:
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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

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SHEET TITLE:
TIF #2 -
GROUND LEVEL PLAN

R-201

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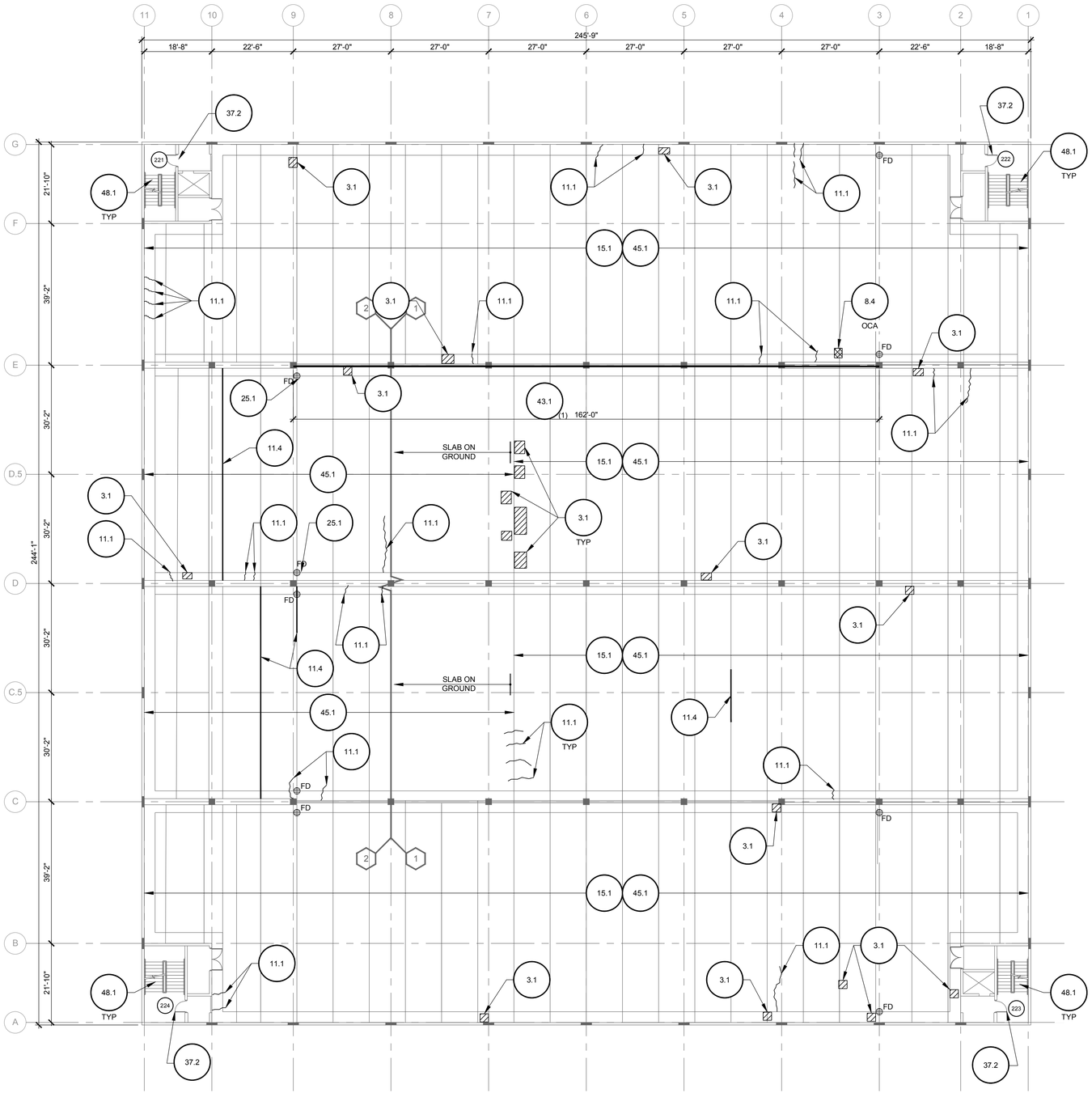

1 SECOND LEVEL PLAN

NORTH

SHEET NOTES

REFERENCES:

1.	GENERAL NOTES	R-001
2.	WORK ITEM SCHEDULES	R-002
3.	PHASING PLANS	R-003 - R-006
4.	FLOOR PLANS	R-100 - R-400 SERIES
5.	REPAIR DETAILS	R-500 SERIES

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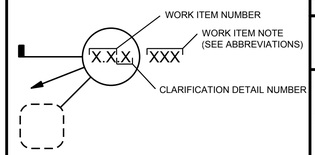
6. REFER TO SHEET R-001 FOR LEGEND AND GENERAL NOTES. REFER TO SHEET R-002 FOR W.I. SCHEDULE.
7. REFER TO SHEETS R-501 - R-505 FOR REPAIR DETAILS.

LEGEND

- FLOOR SPALL OR DELAMINATION
- CEILING/BEAM SPALL OR DELAMINATION
- SHEAR CONNECTOR
- TEE TO TEE JOINT SEALANT
- FLOOR CRACKS
- FD — EXISTING DRAIN (F.D.)
- CONSTRUCTION JOINT (C.J.)
- EXPANSION JOINT (E.J.)



WORK ITEM IDENTIFICATION

NOTES:
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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

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CHECKED BY:	JSM

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SHEET TITLE:
TIF #2 -
SECOND LEVEL PLAN

R-202

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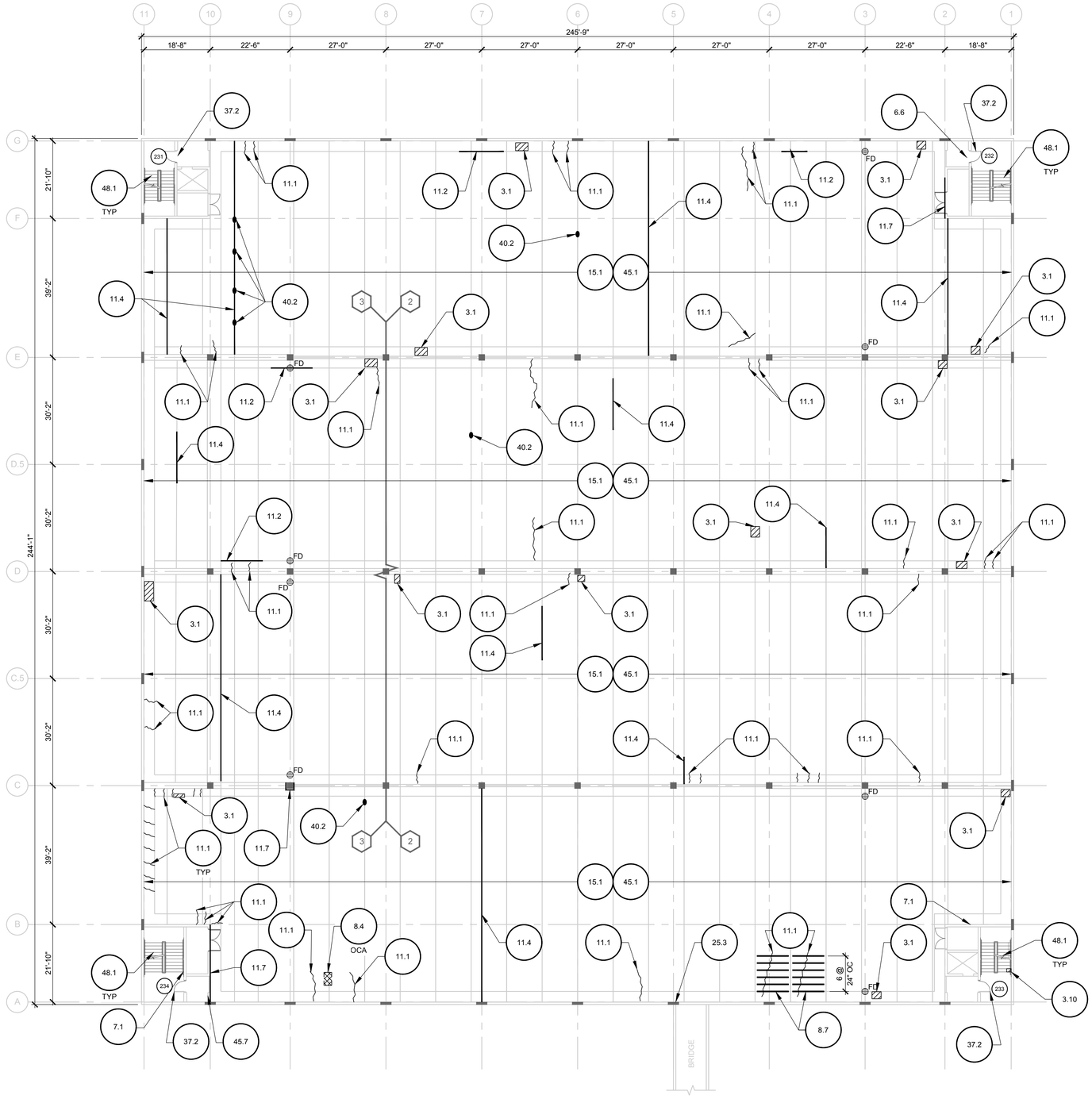

1 THIRD LEVEL PLAN

NORTH

SHEET NOTES

REFERENCES:

1.	GENERAL NOTES	R-001
2.	WORK ITEM SCHEDULES	R-002
3.	PHASING PLANS	R-003 - R-006
4.	FLOOR PLANS	R-100 - R-400 SERIES
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4. REFER TO SPECIFICATION SECTION 02 00 10 FOR DESCRIPTION OF WORK ITEMS.
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6. REFER TO SHEET R-001 FOR LEGEND AND GENERAL NOTES. REFER TO SHEET R-002 FOR W.I. SCHEDULE.
7. REFER TO SHEETS R-501 - R-505 FOR REPAIR DETAILS.

LEGEND

- FLOOR SPALL OR DELAMINATION
- CEILING/BEAM SPALL OR DELAMINATION
- SHEAR CONNECTOR
- TEE TO TEE JOINT SEALANT
- FLOOR CRACKS
- FD — EXISTING DRAIN (F.D.)
- CONSTRUCTION JOINT (C.J.)
- EXPANSION JOINT (E.J.)

WORK ITEM NUMBER
WORK ITEM NOTE (SEE ABBREVIATIONS)
X.X.X
XXX
CLARIFICATION DETAIL NUMBER

WORK ITEM IDENTIFICATION

NOTES:
1. NOT ALL WORK ITEMS HAVE DETAILS.
2. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

WALKER CONSULTANTS
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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

MARK	DATE	DESCRIPTION
		REVISIONS

ISSUE:	RELEASED FOR BIDS
ISSUE DATE:	03/10/2025
PROJECT NO:	31-009608.30
DRAWN BY:	MJK/SPK
CHECKED BY:	JSM

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SHEET TITLE:
TIF #2 - THIRD LEVEL PLAN

R-203

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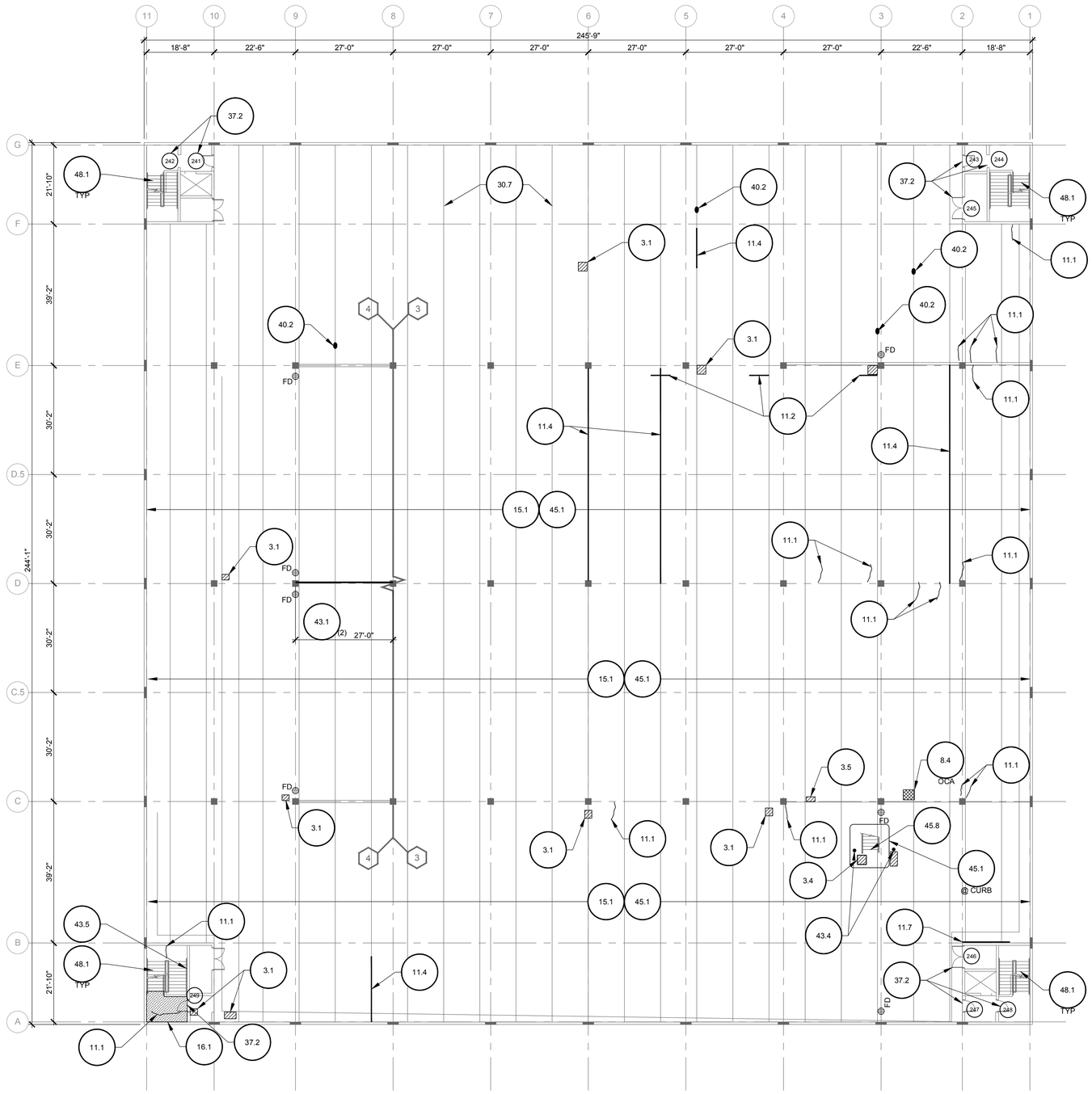

1 FOURTH LEVEL PLAN

NORTH

SHEET NOTES

REFERENCES:

1.	GENERAL NOTES	R-001
2.	WORK ITEM SCHEDULES	R-002
3.	PHASING PLANS	R-003 - R-006
4.	FLOOR PLANS	R-100 - R-400 SERIES
5.	REPAIR DETAILS	R-500 SERIES

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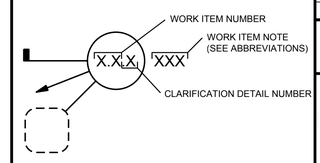

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ARLINGTON HEIGHTS, ILLINOIS

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CHECKED BY:	JSM

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SHEET TITLE:
TIF #2 -
FOURTH LEVEL PLAN

R-204

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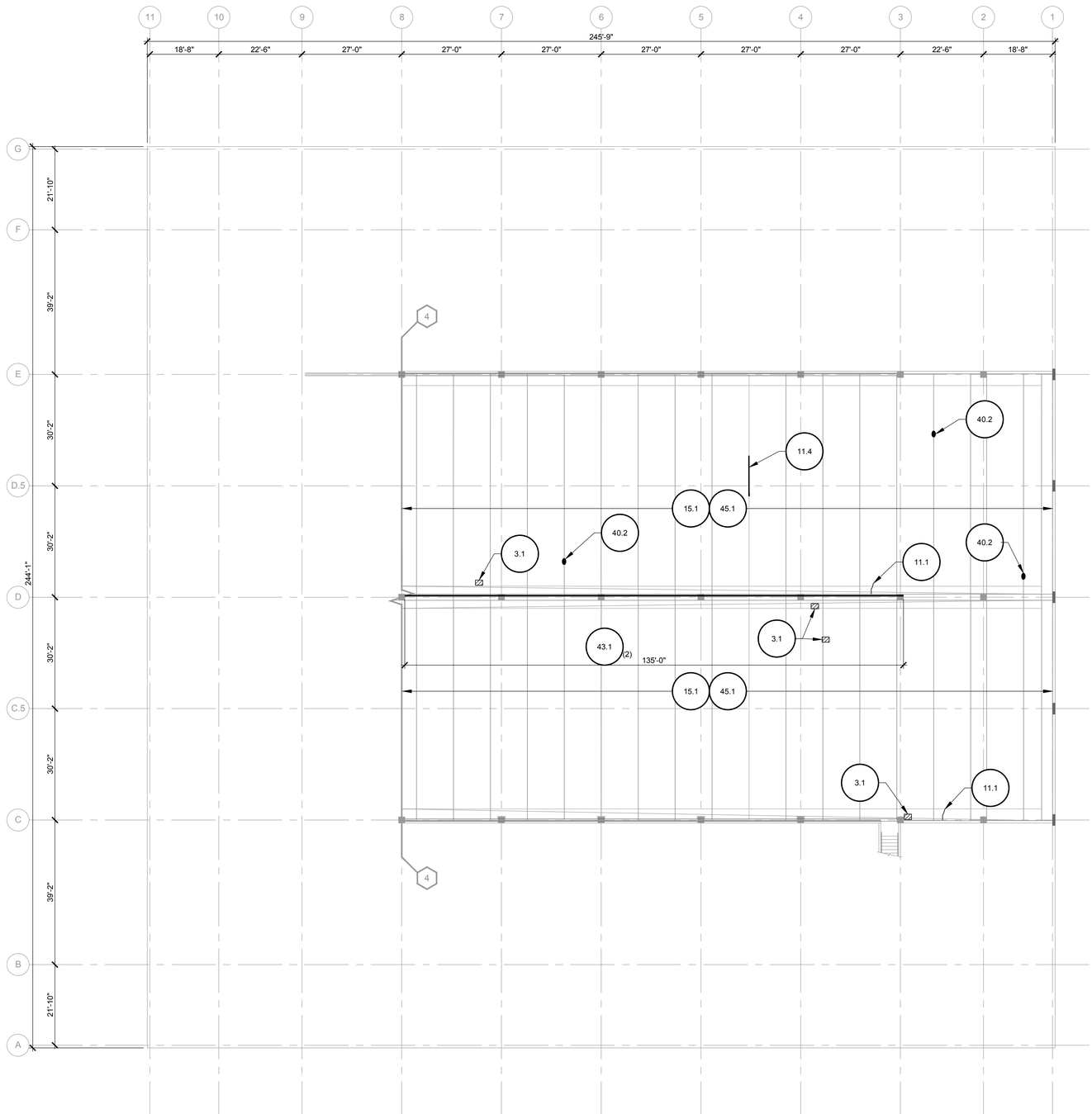

1 FIFTH LEVEL PLAN

NORTH

SHEET NOTES

REFERENCES:

1.	GENERAL NOTES	R-001
2.	WORK ITEM SCHEDULES	R-002
3.	PHASING PLANS	R-003 - R-006
4.	FLOOR PLANS	R-100 - R-400 SERIES
5.	REPAIR DETAILS	R-500 SERIES

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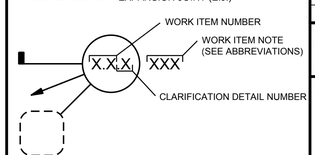

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FOUR PARKING
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2025 MAINTENANCE
REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

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SHEET TITLE:
TIF #2 - FIFTH LEVEL PLAN

R-205

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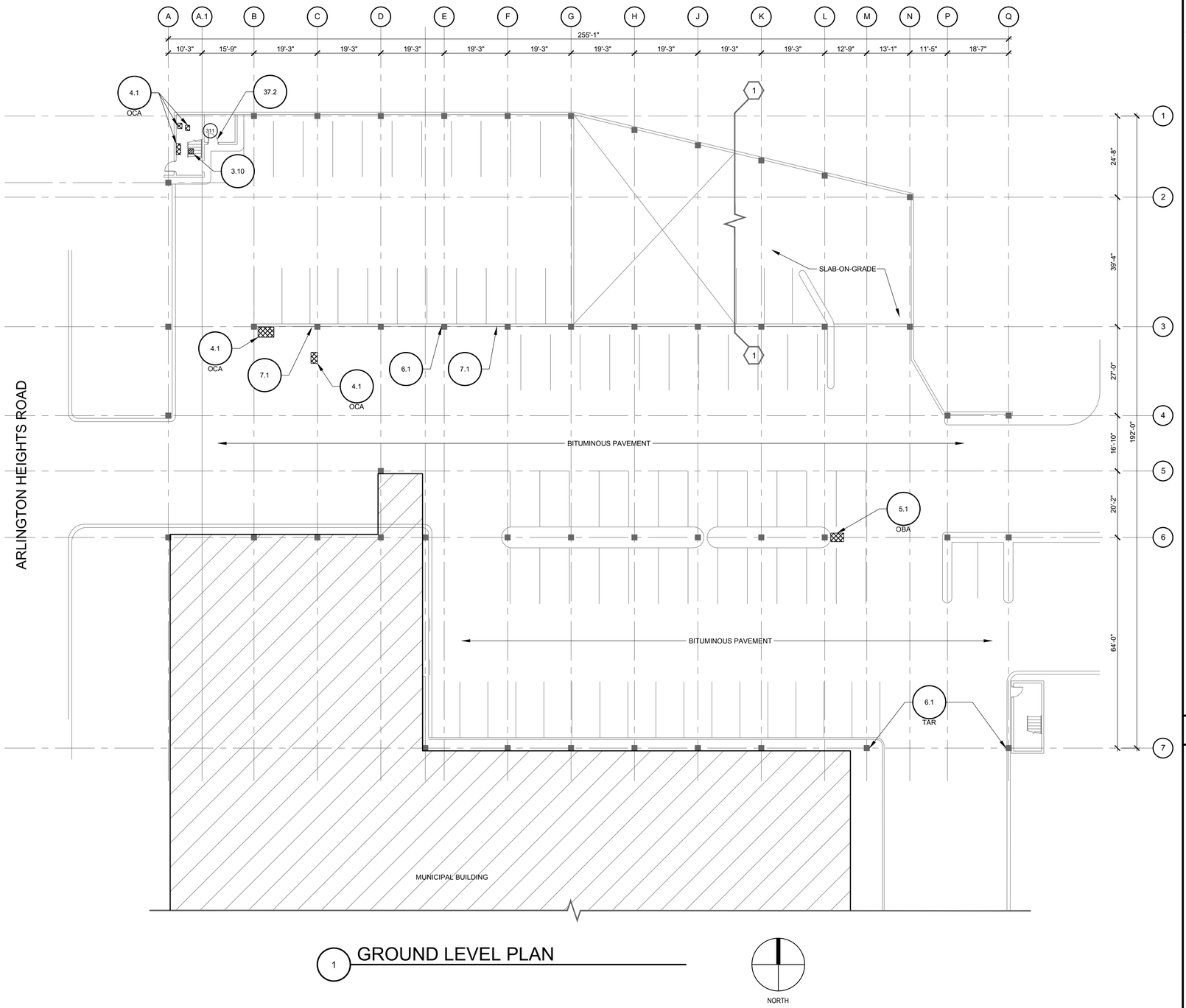

1 GROUND LEVEL PLAN

NORTH

SHEET NOTES

REFERENCES:

1.	GENERAL NOTES	R-001
2.	WORK ITEM SCHEDULES	R-002
3.	PHASING PLANS	R-003 - R-006
4.	FLOOR PLANS	R-100 - R-400 SERIES
5.	REPAIR DETAILS	R-500 SERIES

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LEGEND

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- FLOOR CRACKS
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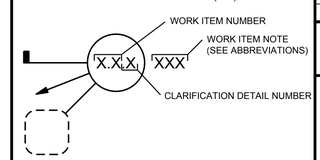

WORK ITEM IDENTIFICATION

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FOUR PARKING
STRUCTURES
2025 MAINTENANCE
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ARLINGTON HEIGHTS, ILLINOIS

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SHEET TITLE:
MUNICIPAL -
GROUND LEVEL PLAN

R-301

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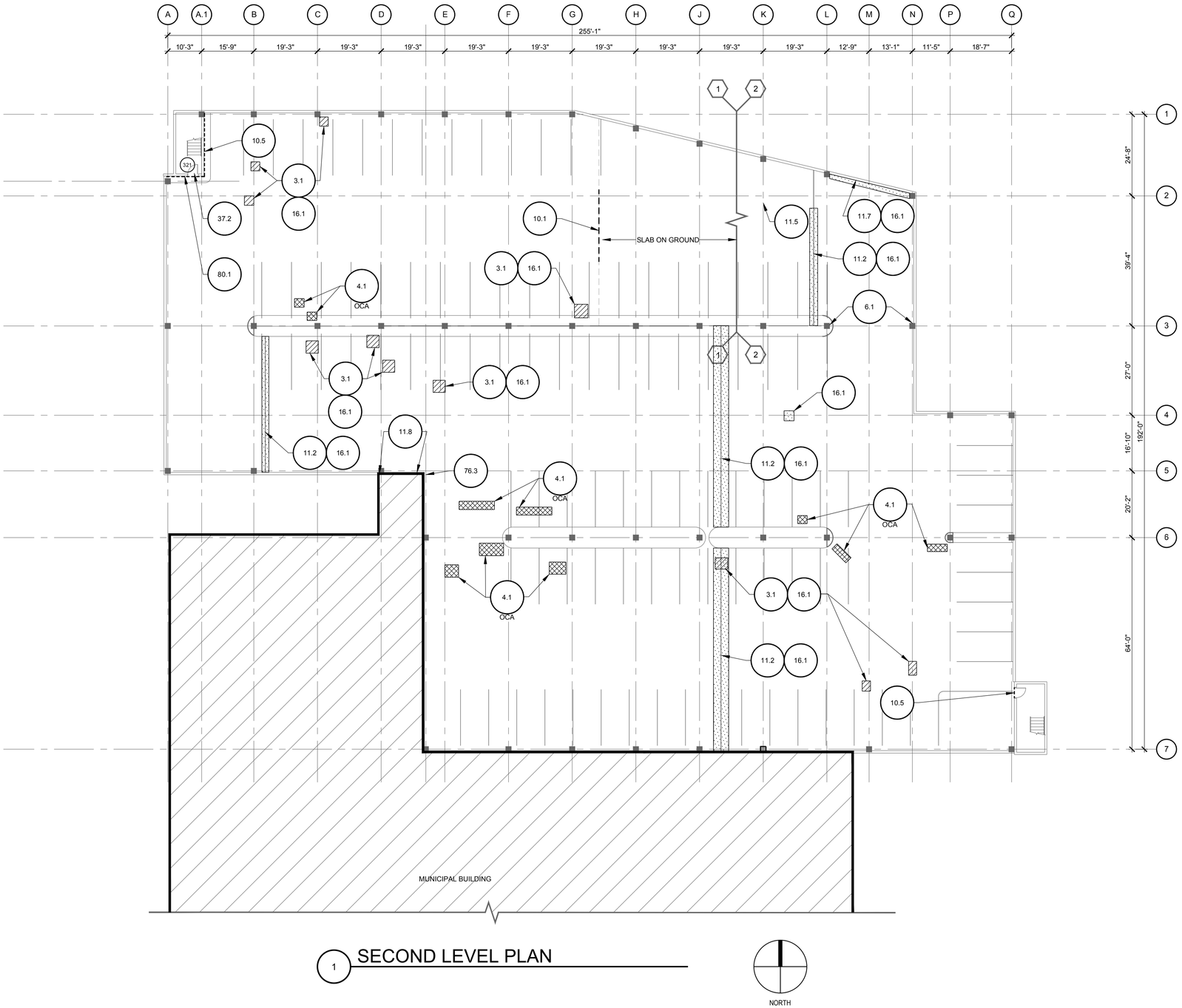

1 SECOND LEVEL PLAN

NORTH

SHEET NOTES

REFERENCES:

1.	GENERAL NOTES	R-001
2.	WORK ITEM SCHEDULES	R-002
3.	PHASING PLANS	R-003 - R-006
4.	FLOOR PLANS	R-100 - R-400 SERIES
5.	REPAIR DETAILS	R-500 SERIES

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7. REFER TO SHEETS R-501 - R-505 FOR REPAIR DETAILS.
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LEGEND

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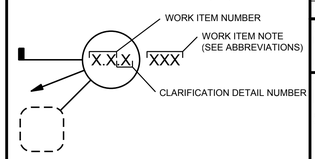

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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

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SHEET TITLE:
MUNICIPAL - SECOND LEVEL PLAN

R-302

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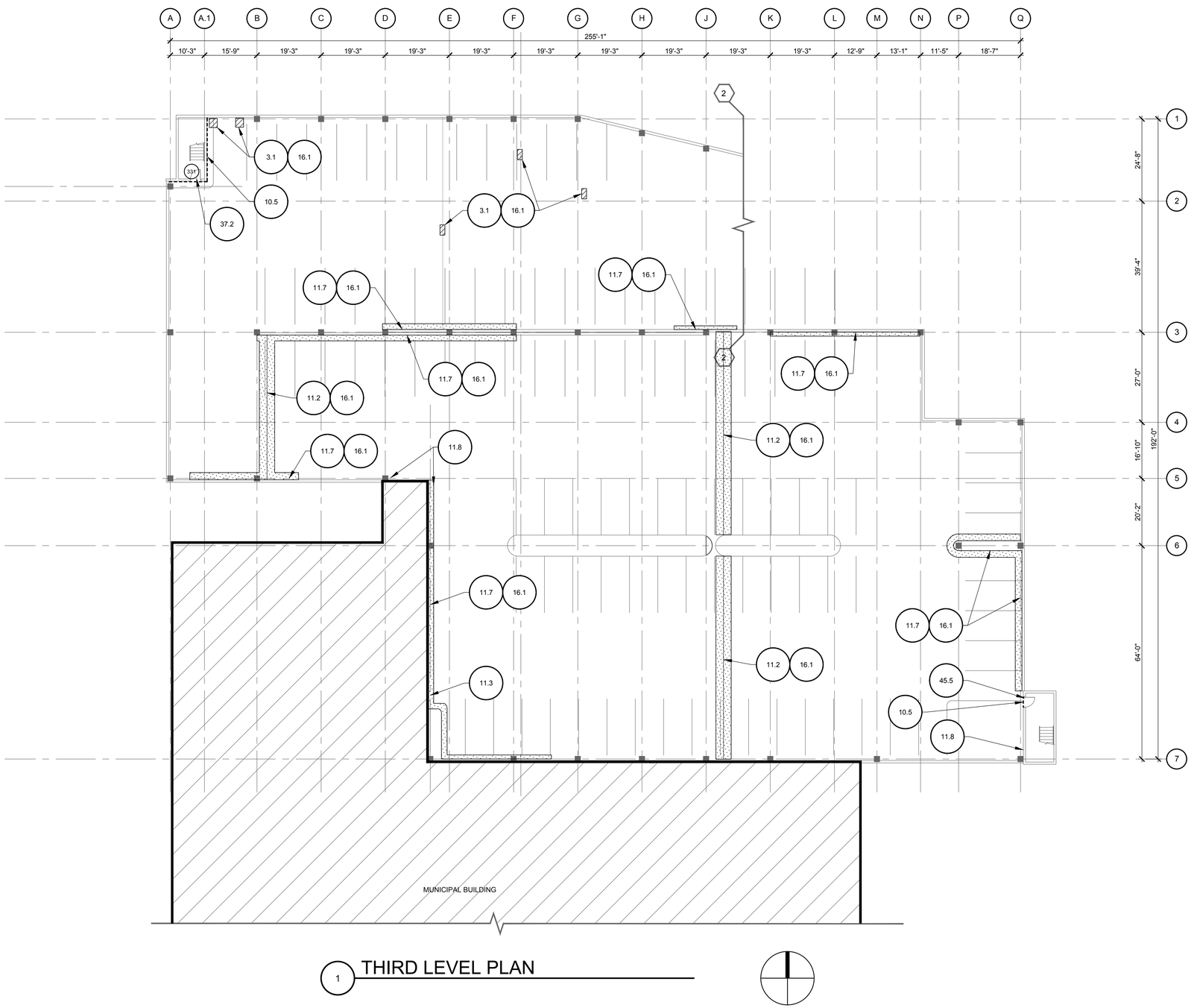

1 THIRD LEVEL PLAN

NORTH

SHEET NOTES

REFERENCES:

1.	GENERAL NOTES	R-001
2.	WORK ITEM SCHEDULES	R-002
3.	PHASING PLANS	R-003 - R-006
4.	FLOOR PLANS	R-100 - R-400 SERIES
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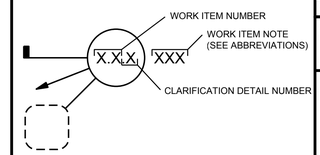

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SHEET TITLE:
MUNICIPAL - THIRD LEVEL PLAN

R-303

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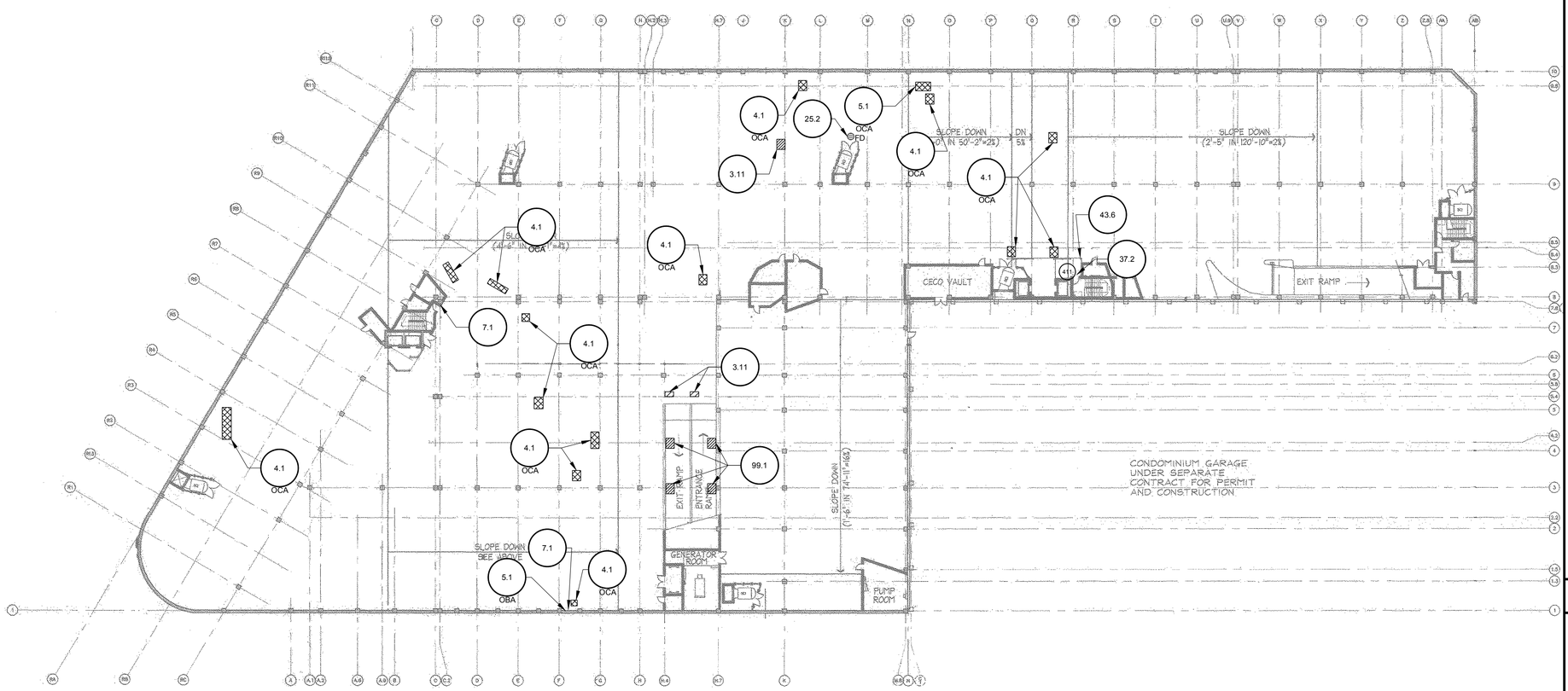

1 LOWER LEVEL PLAN

CAUTION NOTE:
THE FLOOR SLAB HAS POST-TENSIONING TENDONS. THESE TENDONS ARE NEAR THE FLOOR SURFACE AT SPALLS AND DELAMINATIONS. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN SAW-CUTTING SO AS NOT TO DAMAGE EXISTING TENDONS OR TENDON SHEATHS. TENDONS MAY BREAK WITH EXPLOSIVE FORCE WHEN CUT. CHIPPING WITH 15 LB HAMMERS SHALL BE USED IN LIEU OF SAW-CUTTING NEAR SHALLOW TENDONS.

NORTH

BACKGROUND IMAGES BY:
LUCIEN LAGRANGE AND ASSOCIATES, LTD
DATED MARCH 16, 1998

SHEET NOTES

REFERENCES:

1.	GENERAL NOTES	R-001
2.	WORK ITEM SCHEDULES	R-002
3.	PHASING PLANS	R-003 - R-006
4.	FLOOR PLANS	R-100 - R-400 SERIES
5.	REPAIR DETAILS	R-500 SERIES

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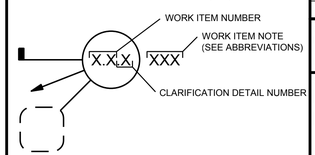
3. DRAWINGS ARE BASED ON LIMITED INFORMATION. CONTRACTOR SHALL MAKE SUCH INVESTIGATIONS AS IT DEEMS NECESSARY IN ADVANCE OF BIDDING. CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE, IN WRITING, OF ANY DISCREPANCIES FOUND BETWEEN DRAWINGS AND FIELD CONDITIONS PRIOR TO SUBMISSION OF BID.
4. REFER TO SPECIFICATION SECTION 02 00 10 FOR DESCRIPTION OF WORK ITEMS.
5. THE CONTRACTOR SHALL REVIEW ALL EXISTING CONDITIONS TO DETERMINE ALL ELECTRICAL AND MECHANICAL SERVICES AND UTILITIES AFFECTED BY THE REPAIR WORK. ELECTRICAL CONDUITS AND LIGHT FIXTURES ARE TO BE MAINTAINED. MAKE NECESSARY TEMPORARY CONNECTIONS TO MAINTAIN SERVICES TO ALL AREAS OF THE PARKING STRUCTURE AFFECTED BY THE REPAIR WORK.
6. REFER TO SHEET R-001 FOR LEGEND AND GENERAL NOTES. REFER TO SHEET R-002 FOR WI SCHEDULE.
7. REFER TO SHEETS R-501 - R-505 FOR REPAIR DETAILS.
8. CEILING, BEAM, COLUMN, AND WALL REPAIRS SHALL BE PAINTED WHITE AFTER COMPLETION TO MATCH EXISTING.

LEGEND

- FLOOR SPALL OR DELAMINATION
- CEILING/BEAM SPALL OR DELAMINATION
- SHEAR CONNECTOR
- TEE TO TEE JOINT SEALANT
- FLOOR CRACKS
- FD — EXISTING DRAIN (F.D.)
- CONSTRUCTION JOINT (C.J.)
- EXPANSION JOINT (E.J.)



WORK ITEM IDENTIFICATION

NOTES:
1. NOT ALL WORK ITEMS HAVE DETAILS.
2. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

MARK	DATE	DESCRIPTION
		REVISIONS

ISSUE:	RELEASED FOR BIDS
ISSUE DATE:	03/10/2025
PROJECT NO:	31-009608.30
DRAWN BY:	MJK/SPK
CHECKED BY:	JSM

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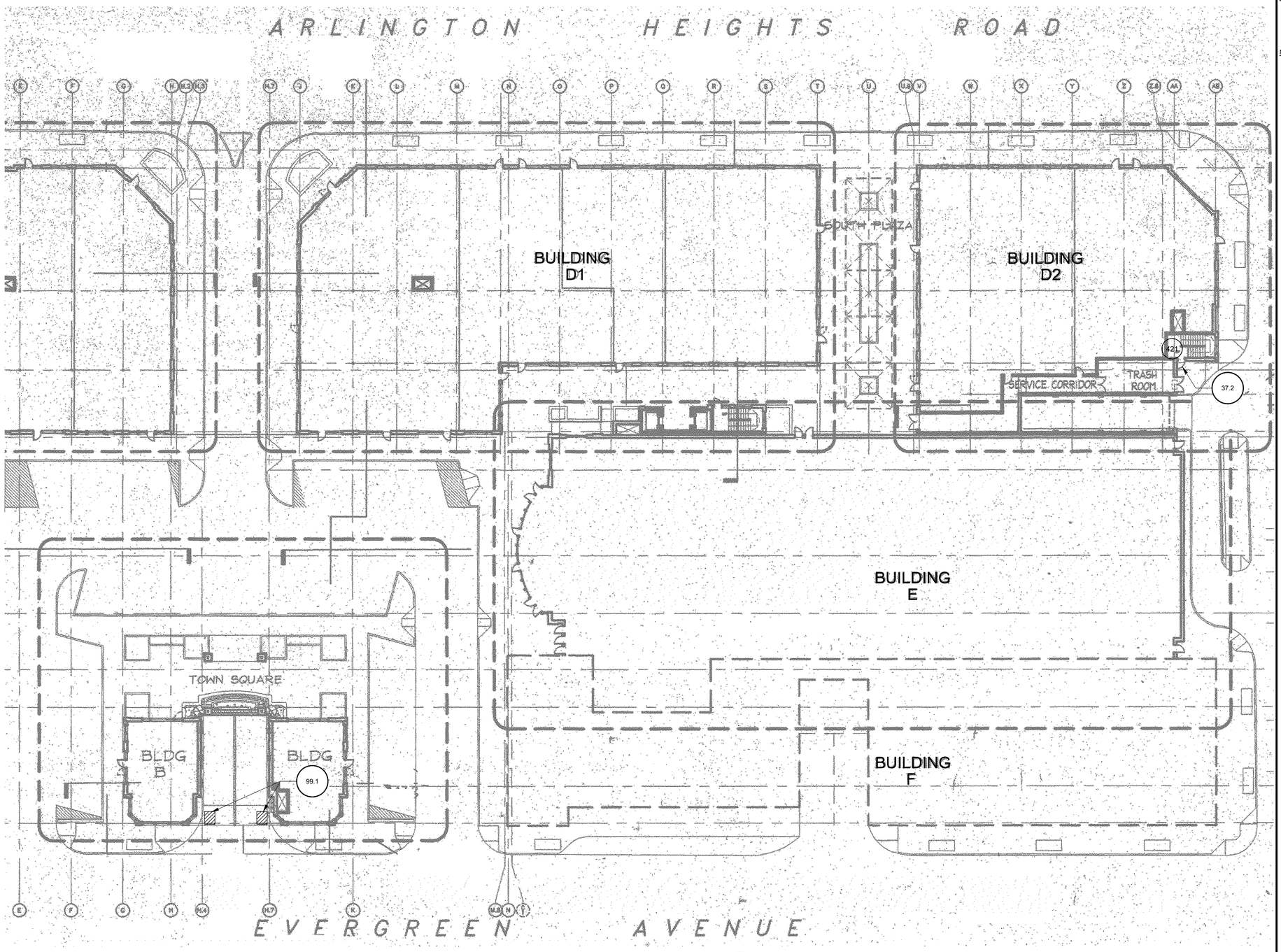
SHEET TITLE:
EVERGREEN -
LOWER LEVEL PLAN

R-401

J:\CHICAGO\31-009608-30-VILLAGE_OF_AH_4_PS_CDS & ESDC\DRAWINGS\ACAD\9608-R401.DWG 3/4/2025 4:19:00 PM PEREZ, JOSE A



1 UPPER LEVEL PLAN

NORTH

CAUTION NOTE:
THE STRUCTURAL CONCRETE SLAB HAS POST-TENSIONING TENDONS. THESE TENDONS MAY BE NEAR THE TOP SURFACE OF THE STRUCTURAL SLAB. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN SAW-CUTTING SO AS NOT TO DAMAGE EXISTING TENDONS OR TENDON SHEATHS. TENDONS MAY BREAK WITH EXPLOSIVE FORCE WHEN CUT. CHIPPING WITH 15 LB HAMMERS SHALL BE USED IN LIEU OF SAW-CUTTING NEAR SHALLOW TENDONS.

SHEET NOTES

REFERENCES:

1.	GENERAL NOTES	R-001
2.	WORK ITEM SCHEDULES	R-002
3.	PHASING PLANS	R-003 - R-006
4.	FLOOR PLANS	R-100 - R-400 SERIES
5.	REPAIR DETAILS	R-500 SERIES

NOTES:

1. DIMENSIONS SHOWN ON PLANS ARE BASED ON ORIGINAL CONSTRUCTION DOCUMENTS. THE CONTRACTOR IS REQUIRED TO FIELD VERIFY ALL CONDITIONS. DO NOT SCALE DRAWINGS.
2. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXTENT AND LOCATIONS OF REPAIR AREAS IN ACCORDANCE WITH THE SPECIFICATIONS. WORK ITEM IS SHOWN ONLY TO REPRESENT THE TYPES OF REPAIRS.
3. DRAWINGS ARE BASED ON LIMITED INFORMATION. CONTRACTOR SHALL MAKE SUCH INVESTIGATIONS AS IT DEEMS NECESSARY IN ADVANCE OF BIDDING. CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE, IN WRITING, OF ANY DISCREPANCIES FOUND BETWEEN DRAWINGS AND FIELD CONDITIONS PRIOR TO SUBMISSION OF BID.
4. REFER TO SPECIFICATION SECTION 02 00 10 FOR DESCRIPTION OF WORK ITEMS.
5. THE CONTRACTOR SHALL REVIEW ALL EXISTING CONDITIONS TO DETERMINE ALL ELECTRICAL AND MECHANICAL SERVICES AND UTILITIES AFFECTED BY THE REPAIR WORK. ELECTRICAL CONDUITS AND LIGHT FIXTURES ARE TO BE MAINTAINED. MAKE NECESSARY TEMPORARY CONNECTIONS TO MAINTAIN SERVICES TO ALL AREAS OF THE PARKING STRUCTURE AFFECTED BY THE REPAIR WORK.
6. REFER TO SHEET R-001 FOR LEGEND AND GENERAL NOTES. REFER TO SHEET R-002 FOR WI SCHEDULE.
7. REFER TO SHEETS R-501 - R-505 FOR REPAIR DETAILS.
8. CEILING, BEAM, COLUMN, AND WALL REPAIRS SHALL BE PAINTED WHITE AFTER COMPLETION TO MATCH EXISTING.

BACKGROUND IMAGES BY:
LUCIEN LAGRANGE AND ASSOCIATES, LTD
DATED MARCH 16, 1998

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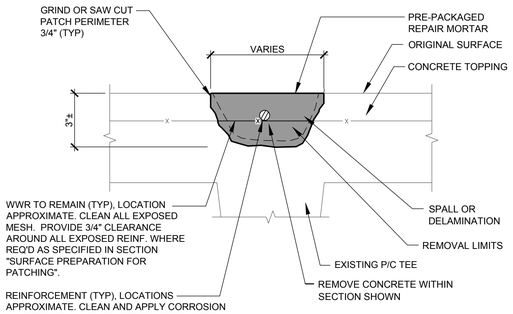
SHEET TITLE:
EVERGREEN - UPPER LEVEL PLAN

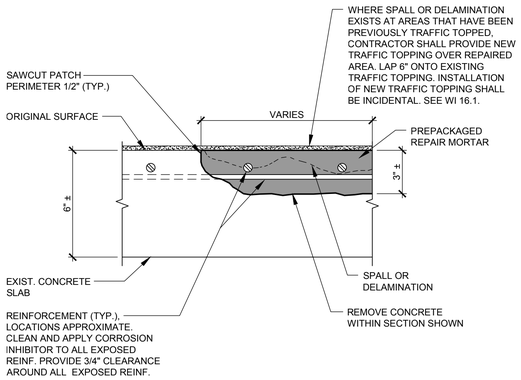
R-402

J:\CHICAGO\31-009608-30-VILLAGE_OF_AH_4_PS_CDS & ESDC\DRAWINGS\ACAD\9608-R402.DWG 3/4/2025 4:19:36 PM PEREZ, JOSE A

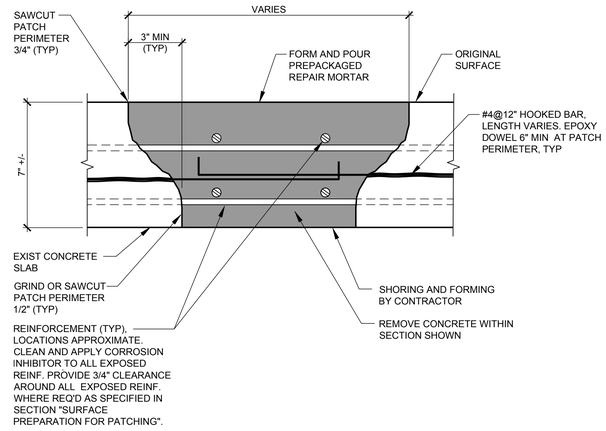


NOTES:
1. WHERE FLOOR REPAIR IS ADJACENT TO CONTROL OR TEE-TO-TEE JOINT, REPLACEMENT OF SEALANT IS INCIDENTAL TO WORK ITEM IF NOT CALLED OUT TO BE REPLACED. REFER TO WI 11.2 AND 11.4.
2. WHERE FLOOR REPAIR HAS EXISTING TRAFFIC TOPPING, INSTALLATION OF NEW TRAFFIC TOPPING SHALL BE INCIDENTAL TO REPAIR AFTER CONCRETE REPAIR IS COMPLETED.

3.1 FLOOR REPAIR - PRECAST



3.1 FLOOR REPAIR - CAST-IN-PLACE



3.3 FLOOR REPAIR-FULL DEPTH

SHEET NOTES

REPAIR DETAIL NOTES:
1. ALL SUBSTRATE SURFACES SHALL BE CLEANED, FREE OF DEBRIS AND ROUGHENED PRIOR TO APPLICATION OF REPAIR MATERIAL. APPLY BONDING AGENT TO SUBSTRATE IF REQUIRED PER REPAIR MORTAR MANUFACTURER'S REQUIREMENTS.
2. DO NOT CUT OR DAMAGE REINFORCING. NOTIFY ENGINEER IF EXISTING REINFORCING STEEL APPEARS TO HAVE OVER 20% SECTION LOSS OR TWO ADJACENT BARS HAVE OVER 10% SECTION LOSS. ENGINEER SHALL DETERMINE DURING CONSTRUCTION IF REINFORCING REPAIRS ARE REQUIRED.
3. ALL REBAR THAT IS EXPOSED SHALL BE CLEANED AND COATED WITH A CORROSION INHIBITOR.
4. ALL EXISTING ARCHITECTURAL DETAILS SHALL BE MAINTAINED IN AREAS OF REPAIR.
5. NON-EPOXY COATED REINFORCING STEEL EXPOSED IN REPAIR AREAS SHALL BE COATED WITH ZINC RICH REBAR PAINT. THIS IS INCIDENTAL TO THE WORK ITEM.
6. THE SECTION OF DOWEL BARS TO BE EMBEDDED IN CONCRETE SHALL BE EPOXY COATED OR PAINTED.
7. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF TEMPORARY CONSTRUCTION SHORING NECESSARY TO COMPLETE THE WORK.
8. PROVIDE AND MAINTAIN SHORING, BRACING, OR STRUCTURAL SUPPORT TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION.
9. IN THE MUNICIPAL AND EVERGREEN STRUCTURES; CEILING, BEAM, COLUMN, AND WALL REPAIRS SHALL BE PAINTED WHITE AFTER COMPLETION TO MATCH EXISTING.

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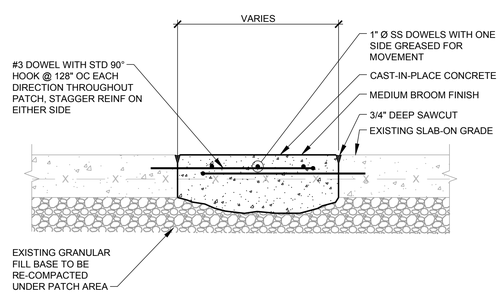
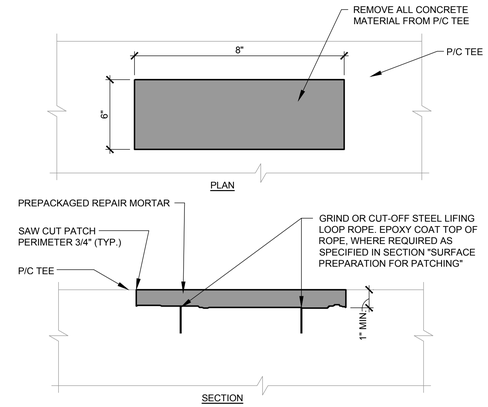
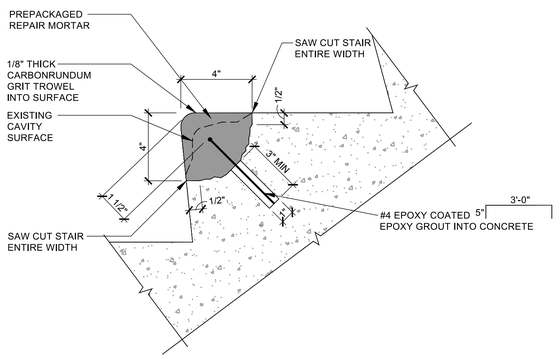


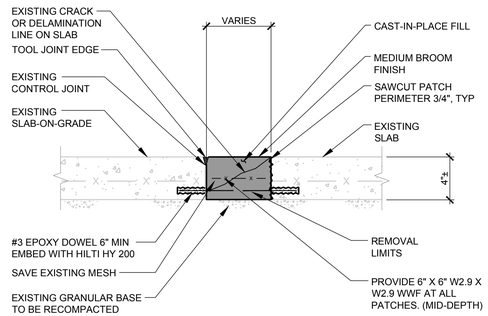
3.4 FLOOR REPAIR - CURB



3.9 FLOOR REPAIR - LIFTING LOOPS



3.10 STAIR NOSING REPAIR

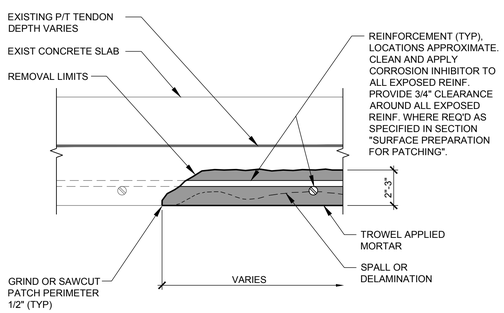


NOTES:
1. PROVIDE 1/2" WIDE PVC EXPANSION BOARD AROUND ALL COLUMNS IF PATCH ABUTS THEM. EXPANSION BOARD TO BE FULL DEPTH OF SLAB MINIMUM.

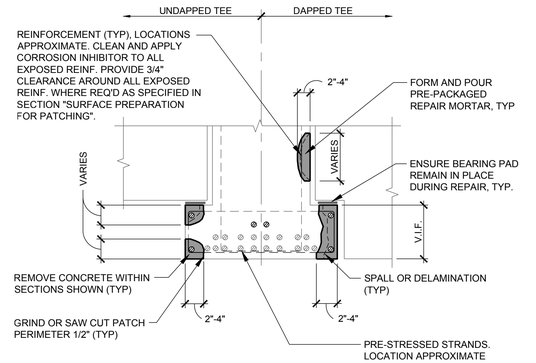
3.11 SLAB-ON-GRADE REPAIR

NOTES:
1. CENTER REPAIR ON EXISTING CONTROL JOINT.
2. PROVIDE 1/2" WIDE PVC EXPANSION BOARD AROUND ALL COLUMNS IF PATCH ABUTS THEM. EXPANSION BOARD TO BE FULL DEPTH OF SLAB MINIMUM.
3. DEPTH OF GRANULAR BASE MAY VARY.

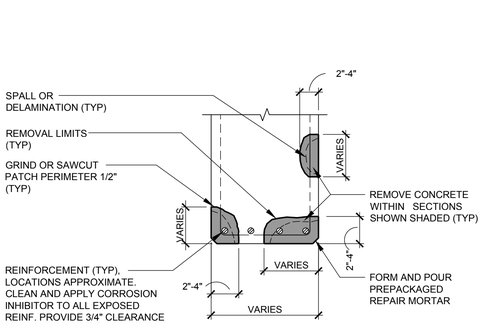
3.12 SLAB-ON-GRADE REPAIR



4.1 CEILING REPAIR



5.1 BEAM REPAIR - PRECAST



5.1 BEAM REPAIR - CAST-IN-PLACE

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ARLINGTON HEIGHTS, ILLINOIS

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SHEET TITLE:
REPAIR DETAILS

R-501

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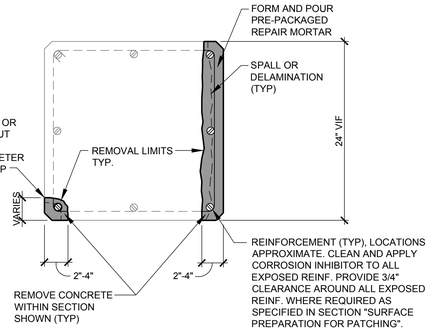
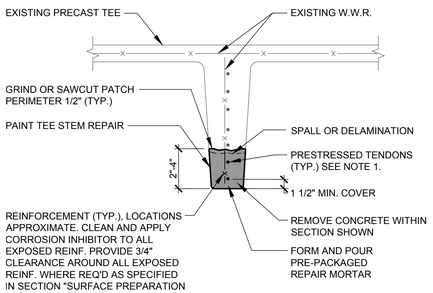


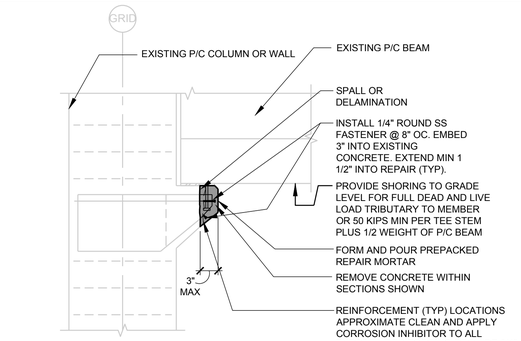
NOTES:
1. COLUMN TIES WHICH HAVE LOST MORE THAN 15% OF ORIGINAL CROSS SECTIONAL AREA SHALL BE SUPPLEMENTED AS ENGINEER DIRECTS.
2. NUMBER AND LOCATION OF REINFORCEMENT SHOWN MAY DIFFER FROM ACTUAL FIELD CONDITIONS.
3. AFTER REPAIRS HAVE BEEN COMPLETED, PAINT REPAIRED AREAS TO MATCH EXISTING AS NECESSARY.

6.1 COLUMN REPAIR

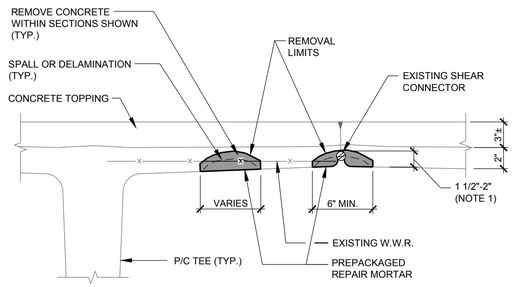


CAUTION NOTES:
1. DO NOT CUT OR DAMAGE RE-STRESSED TENDONS.
2. LENGTH OF PATCH NOT TO EXCEED 3'-0" OR REPAIR SHALL BE DONE IN PHASES WITH APPROVAL OF ENGINEER.

8.1 TEE STEM REPAIR

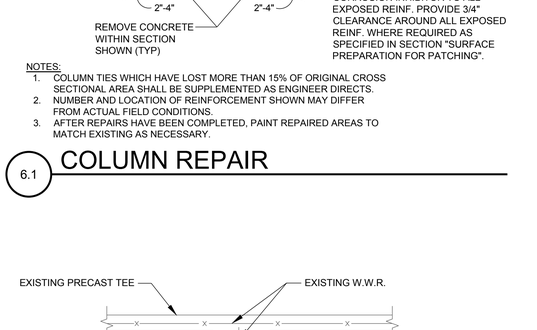


6.6 HAUNCH REPAIR



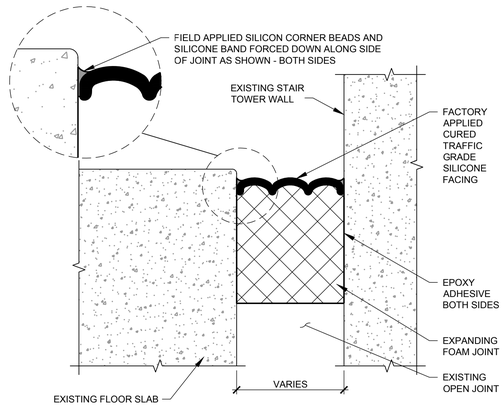
NOTES:
1. SANDBLAST, RE-WELD AS REQUIRED, AND APPLY CORROSION INHIBITOR COATING TO ALL ALL BROKEN TEE FLANGE SHEAR CONNECTORS PER WI 40.2. SHEAR CONNECTORS AND TEE REINFORCEMENT SHOWN MAY DIFFER FROM ACTUAL FIELD CONDITIONS.

8.4 TEE FLANGE REPAIR



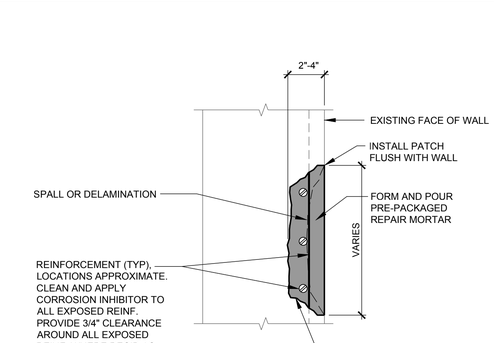
NOTES :
1. PAYMENT IS BASED ON LENGTH OF HEADER REPAIR OF ONE SIDE OF JOINT ONLY.

10.1 EXPANSION JOINT - HEADER REPAIR

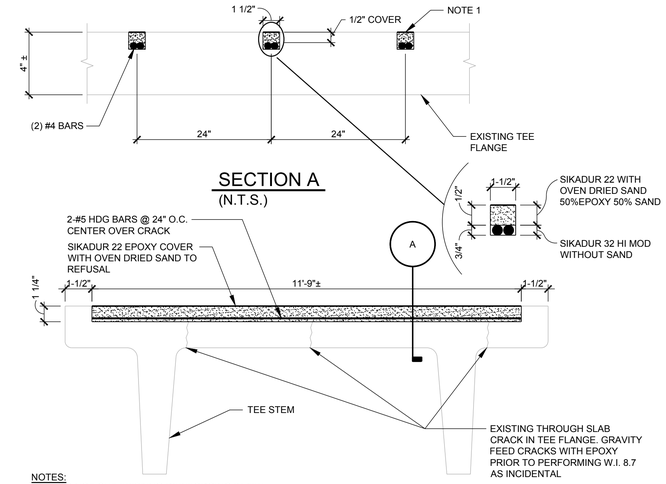


NOTES:
1. EXISTING OPENING GAP VARIES. NOMINAL OPENING WIDTH SHOWN ON PLANS FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY WIDTH AND LENGTH PRIOR TO ORDERING.
2. COVER PLATE OUTSIDE OF STAIR TOWER DOOR TO BE REPLACED IN KIND.

10.5 EXPANSION JOINT - COMPRESSION FOAM SEAL



7.1 WALL REPAIR



NOTES:
1. DO NOT CUT EXISTING REINFORCING IN TEE.
2. PLACE BOTH LAYERS OF EPOXY WET ON WET.
3. CHAIR BARS WITH 1/8" DIAMETER STAINLESS STEEL WIRE @ 12" O.C.
4. NEW GALVANIZED REINF SHALL CONFORM TO ASTM A1094.
5. CONTRACTOR SHALL MARK LOCATIONS AND ENGINEER WILL APPROVE PRIOR TO STARTING THE WORK.

8.7 TEE FLANGE STRENGTHENING

SHEET NOTES

REPAIR DETAIL NOTES:
1. ALL SUBSTRATE SURFACES SHALL BE CLEANED, FREE OF DEBRIS AND ROUGHENED PRIOR TO APPLICATION OF REPAIR MATERIAL. APPLY BONDING AGENT TO SUBSTRATE IF REQUIRED PER REPAIR MORTAR MANUFACTURER'S REQUIREMENTS.
2. DO NOT CUT OR DAMAGE REINFORCING. NOTIFY ENGINEER IF EXISTING REINFORCING STEEL APPEARS TO HAVE OVER 20% SECTION LOSS OR TWO ADJACENT BARS HAVE OVER 10% SECTION LOSS. ENGINEER SHALL DETERMINE DURING CONSTRUCTION IF REINFORCING REPAIRS ARE REQUIRED.
3. ALL REBAR THAT IS EXPOSED SHALL BE CLEANED AND COATED WITH A CORROSION INHIBITOR.
4. ALL EXISTING ARCHITECTURAL DETAILS SHALL BE MAINTAINED IN AREAS OF REPAIR.
5. NON-EPOXY COATED REINFORCING STEEL EXPOSED IN REPAIR AREAS SHALL BE COATED WITH ZINC RICH REBAR PAINT. THIS IS INCIDENTAL TO THE WORK ITEM.
6. THE SECTION OF DOWEL BARS TO BE EMBEDDED IN CONCRETE SHALL BE EPOXY COATED OR PAINTED.
7. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF TEMPORARY CONSTRUCTION SHORING NECESSARY TO COMPLETE THE WORK.
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9. IN THE MUNICIPAL AND EVERGREEN STRUCTURES; CEILING, BEAM, COLUMN, AND WALL REPAIRS SHALL BE PAINTED WHITE AFTER COMPLETION TO MATCH EXISTING.

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ARLINGTON HEIGHTS, ILLINOIS

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SHEET TITLE:
REPAIR DETAILS

R-502

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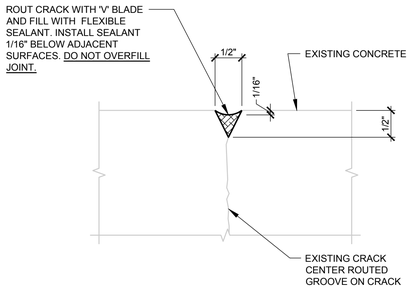
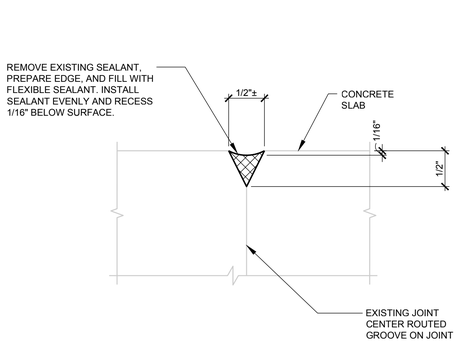
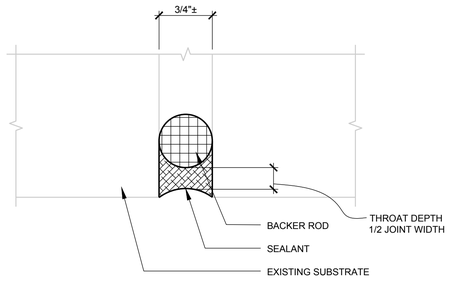
11.1 SEAL RANDOM FLOOR CRACKS



11.2 CONSTRUCTION JOINT SEALANT



11.3 VERTICAL JOINT SEALANT



NOTES:
1. CLEAN JOINT SUBSTRATE BY SAND & AIR BLASTING.
2. PREPARE AND PRIME SEALANT CAVITY & INSTALL SEALANT ACCORDING TO SEALANT MANUFACTURER'S RECOMMENDATIONS.

SHEET NOTES

REPAIR DETAIL NOTES:
1. ALL SUBSTRATE SURFACES SHALL BE CLEANED, FREE OF DEBRIS AND ROUGHENED PRIOR TO APPLICATION OF REPAIR MATERIAL. APPLY BONDING AGENT TO SUBSTRATE IF REQUIRED PER REPAIR MORTAR MANUFACTURER'S REQUIREMENTS.
2. DO NOT CUT OR DAMAGE REINFORCING. NOTIFY ENGINEER IF EXISTING REINFORCING STEEL APPEARS TO HAVE OVER 20% SECTION LOSS OR TWO ADJACENT BARS HAVE OVER 10% SECTION LOSS. ENGINEER SHALL DETERMINE DURING CONSTRUCTION IF REINFORCING REPAIRS ARE REQUIRED.
3. ALL REBAR THAT IS EXPOSED SHALL BE CLEANED AND COATED WITH A CORROSION INHIBITOR.
4. ALL EXISTING ARCHITECTURAL DETAILS SHALL BE MAINTAINED IN AREAS OF REPAIR.
5. NON-EPOXY COATED REINFORCING STEEL EXPOSED IN REPAIR AREAS SHALL BE COATED WITH ZINC RICH REBAR PAINT. THIS IS INCIDENTAL TO THE WORK ITEM.
6. THE SECTION OF DOWEL BARS TO BE EMBEDDED IN CONCRETE SHALL BE EPOXY COATED OR PAINTED.
7. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF TEMPORARY CONSTRUCTION SHORING NECESSARY TO COMPLETE THE WORK.
8. PROVIDE AND MAINTAIN SHORING, BRACING, OR STRUCTURAL SUPPORT TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION.
9. IN THE MUNICIPAL AND EVERGREEN STRUCTURES; CEILING, BEAM, COLUMN, AND WALL REPAIRS SHALL BE PAINTED WHITE AFTER COMPLETION TO MATCH EXISTING.

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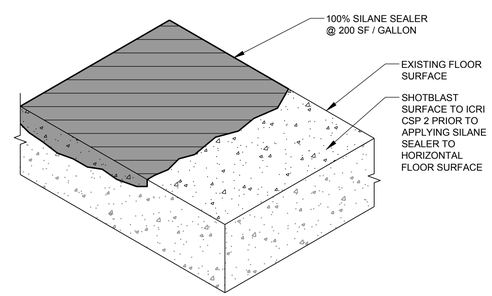
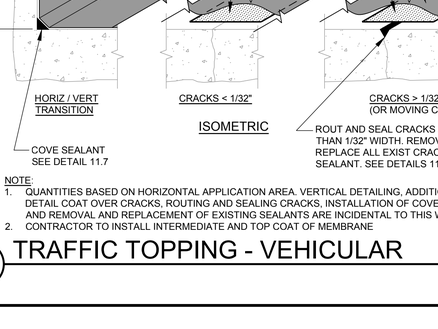
11.4 TEE-TO-TEE JOINT SEALANT



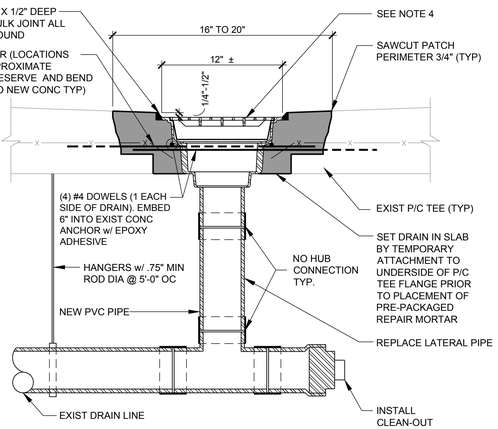
NOTES:
1. INSPECT ALL SHEAR CONNECTORS FOR BROKEN WELDS. REPORT BROKEN WELDS TO ENGINEER AND REPAIR USING WI 40.2.
2. SANDBLAST CLEAN AND APPLY ZINC RICH PRIMER TO ALL RUSTED SHEAR CONNECTORS IN JOINT.
3. FOR LOCATIONS OF SPOT REPLACEMENT, CONTRACTOR SHALL LOCATE AND MARK LEAKING JOINTS AND NOTIFY ENGINEER.

11.5 EPOXY INJECT CRACKS



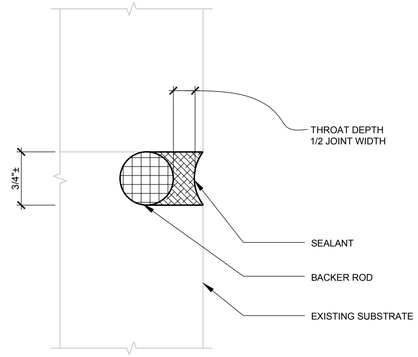
NOTES:
1. CLEAN SURFACE AREA BY GRINDING, VACUUM CRACKS TO REMOVE DEBRIS.
2. INSTALL EPOXY GEL CAP SEAL ALONG THE LENGTH OF THE CRACKS.
3. EPOXY INJECTION TO OCCUR ON BOTH SIDES OF THE BEAM AS REQUIRED.
4. PROVIDE INJECTION PORTS EVENLY SPACED ALONG CRACK. MAXIMUM SPACE 12". PROVIDE ADDITIONAL PORTS AS REQUIRED TO FULLY INJECT CRACK.

11.7 COVE SEALANT



NOTES:
1. REMOVE EXISTING COVE SEALANT MATERIAL IF PRESENT. PREPARE SURFACE PER SPECIFICATIONS.

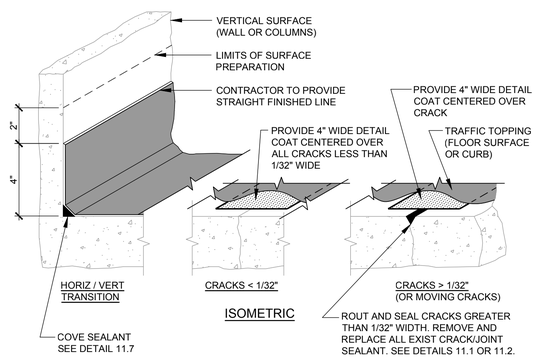
11.8 HORIZONTAL JOINT SEALANT



NOTES:
1. CLEAN JOINT SUBSTRATE BY SAND & AIR BLASTING.
2. PREPARE AND PRIME SEALANT CAVITY & INSTALL SEALANT ACCORDING TO SEALANT MANUFACTURER'S RECOMMENDATIONS.

15.1 CONCRETE SEALER - SILANE

16.1 TRAFFIC TOPPING - VEHICULAR



NOTE:
1. QUANTITIES BASED ON HORIZONTAL APPLICATION AREA. VERTICAL DETAILING, ADDITIONAL DETAIL COAT OVER CRACKS, ROUTING AND SEALING CRACKS, INSTALLATION OF COVE SEALANT, AND REMOVAL AND REPLACEMENT OF EXISTING SEALANTS ARE INCIDENTAL TO THIS WORK
2. CONTRACTOR TO INSTALL INTERMEDIATE AND TOP COAT OF MEMBRANE

25.1 FLOOR DRAIN REPLACEMENT

NOTES:
1. EXISTING DRAIN TO BE DEMO OUT AND DISPOSED OF. SAVE EXISTING LATERAL PIPING.
2. USE PVC PIPE TO RECONNECT NEW DRAIN.
3. PROVIDE NEW LATERAL PIPING, AS NEEDED, IN ORDER TO CONNECT TO EXISTING DRAIN LINE
4. INSTALL ADJUSTABLE HANGERS AS REQUIRED.
5. DRAINS: (4" & 6" DIAMETER)
   a. SMITH 2130-U-B
   b. WADE 1200
   c. OR ENGINEER APPROVED EQUIVALENT

VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

MARK	DATE	DESCRIPTION
REVISIONS		

ISSUE:	RELEASED FOR BIDS
ISSUE DATE:	03/10/2025
PROJECT NO:	31-009608.30
DRAWN BY:	MJK/SPK
CHECKED BY:	JSM

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SHEET TITLE:
REPAIR DETAILS

R-503

J:\CHICAGO\31-009608-30-VILLAGE_OF_AH_4_PS_CDS & ESDC\DRAWINGS\ACAD\9608-R503.DWG 3/4/2025 4:22:04 PM PEREZ, JOSE A

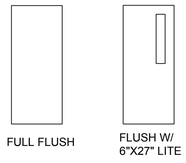
DOOR & FRAME SCHEDULE

MARK	LOCATION	SIZE	DOOR TYPE	DOOR MAT'L	DOOR SINGLE	DOOR DOUBLE	DOOR FIRE RATING	FRAME TYPE	FRAME MAT'L	FRAME FIRE RATING	HARDWARE B	L	LK	P	C	K	W	F	T	O	H	REMARKS
151	TIF #1 NW STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		COLOR: MATCH EXISTING FINISH; HIGH GLOSS FIN., VERIFY WITH OWNER FRAMES: CONTRACTOR SHALL USE EXISTING FRAME WHERE POSSIBLE. FRAME TYPE III SHALL HAVE WINDOWS REPLACED.
211	TIF #2 NW STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
212	TIF #2 NE STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
213	TIF #2 SE STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
214	TIF #2 SW STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
221	TIF #2 NW STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
222	TIF #2 NE STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
223	TIF #2 SE STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
224	TIF #2 SW STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
231	TIF #2 NW STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
232	TIF #2 NE STAIR	3'-6" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
233	TIF #2 SE STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
234	TIF #2 SW STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
241	TIF #2 NW STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	III	HM	B	●	●			●	●	●			●		
242	TIF #2 NW STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
243	TIF #2 NE STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	III	HM	B	●	●			●	●	●			●		
244	TIF #2 NE STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
245	TIF #2 NE STAIR	3'-0" x 7'-0" x 1 3/4"	A	HM		●	B	II	HM	B	●	●	●			●	●			●		
246	TIF #2 SE STAIR	3'-0" x 7'-0" x 1 3/4"	A	HM		●	B	II	HM	B	●	●	●			●	●			●		
247	TIF #2 SE STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	III	HM	B	●	●			●	●	●			●		
248	TIF #2 SE STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
249	TIF #2 SW STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
311	MUNICIPAL NW ROOM	3'-6" x 7'-0" x 1 3/4"	A	HM	●		B	I	HM	B	●	●	●			●	●			●		
321	MUNICIPAL NW STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
331	MUNICIPAL NW STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
411	EVERGREEN WEST STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		
421	EVERGREEN SOUTH STAIR	3'-0" x 7'-0" x 1 3/4"	B	HM	●		B	I	HM	B	●	●			●	●	●			●		

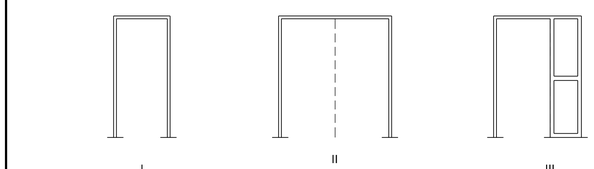
DOOR FIRE RATING KEY:
A LABEL DOOR = 2 1/2 HR
B LABEL DOOR = 1 1/2 HR
C LABEL DOOR = 3/4 HR

HARDWARE KEY:

B - CONTINUOUS HINGE	LK - LOCK SET	C - CLOSER	W - WALL STOP	T - THRESHOLD	O-ELEC OPERATOR
L - LATCH SET	P - PANIC HARDWARE	K - KICK PLATE	F - FLOOR STOP	H - HARDWARE FUNCTION (SEE SPEC. FOR DESCRIPTION)	

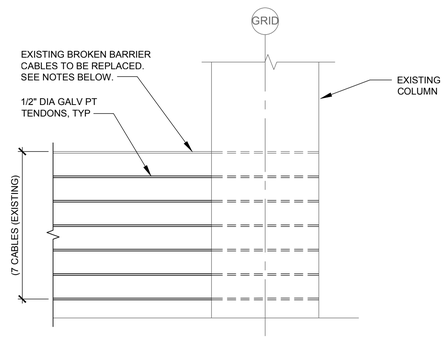


DOOR TYPES



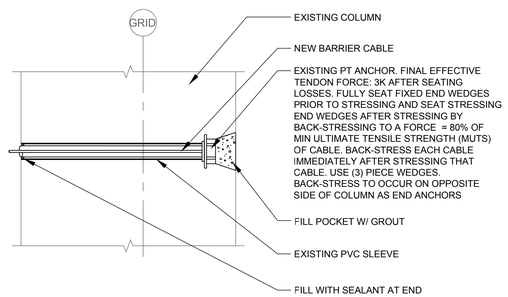
DOOR FRAME ELEVATIONS

37.2 REPLACE DOOR AND FRAME SCHEDULE



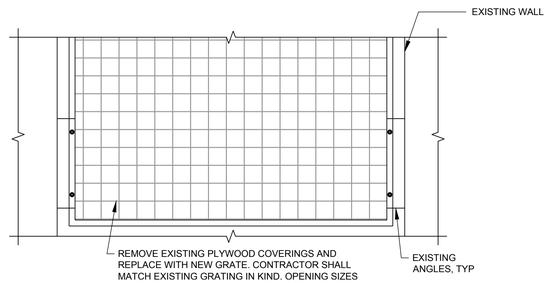
NOTES:
1. EXISTING BARRIER CABLES ARE IN TENSION AND WILL REACT IN AN UNCONTROLLED AND DANGEROUS MANNER IF CUT. DETENSION EXISTING CABLES IN GRADUAL RELEASE OF TENSION FORCE TO AVOID DAMAGE OR DISLODGEMENT OF EXISTING ANCHORS.
2. BACKSTRESS TENDON TO FULLY SEAT THE WEDGE ANCHORS.

43.1 REPLACE BARRIER CABLE



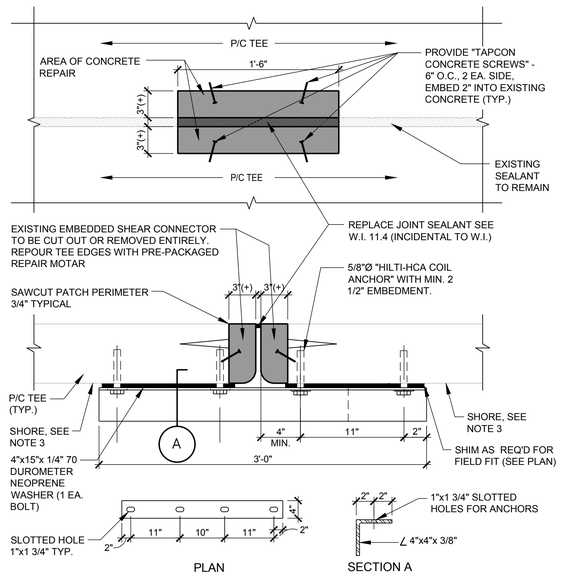
NOTES:
1. APPLY COLD GALV COMPOUND AFTER BACK-STRESSING OPERATIONS.

BARRIER CABLE END ANCHOR DETAIL
43.1.1



NOTES:
1. SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.

43.2 REPLACE WALL OPENING GRATES



NOTES:
1. ANGLES SHALL BE ACCURATELY ALIGNED PERPENDICULAR TO JOINT AND SPACED AT 5'-0" OF MAXIMUM LAYOUT FROM CENTER OF BAY. SEE ANGLES REQUIRED FOR EACH JOINT LINE.
2. ANGLES, SHIMS AND HARDWARE SHALL BE HOT-DIPPED GALVANIZED.
3. TEE FLANGES SHALL BE SHORED IF THREE OR MORE CONNECTORS ARE BEING REMOVED AT THE SAME TIME.
4. FIELD VERIFY LENGTH PRIOR TO FABRICATION.
5. ANY ELECTRICAL CONDUITS THAT INTERFERE WITH SUPPORT INSTALLATION SHALL BE RELOCATED. RELOCATION OF CONDUIT SHALL BE INCIDENTAL TO WORK ITEM.

40.2 SHEAR CONNECTOR REPLACEMENT

SHEET NOTES

REPAIR DETAIL NOTES:
1. ALL SUBSTRATE SURFACES SHALL BE CLEANED, FREE OF DEBRIS AND ROUGHENED PRIOR TO APPLICATION OF REPAIR MATERIAL. APPLY BONDING AGENT TO SUBSTRATE IF REQUIRED PER REPAIR MORTAR MANUFACTURER'S REQUIREMENTS.
2. DO NOT CUT OR DAMAGE REINFORCING. NOTIFY ENGINEER IF EXISTING REINFORCING STEEL APPEARS TO HAVE OVER 20% SECTION LOSS OR TWO ADJACENT BARS HAVE OVER 10% SECTION LOSS. ENGINEER SHALL DETERMINE DURING CONSTRUCTION IF REINFORCING REPAIRS ARE REQUIRED.
3. ALL REBAR THAT IS EXPOSED SHALL BE CLEANED AND COATED WITH A CORROSION INHIBITOR.
4. ALL EXISTING ARCHITECTURAL DETAILS SHALL BE MAINTAINED IN AREAS OF REPAIR.
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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

MARK	DATE	DESCRIPTION
		REVISIONS

ISSUE:	RELEASED FOR BIDS
ISSUE DATE:	03/10/2025
PROJECT NO:	31-009608.30
DRAWN BY:	MJK/SPK
CHECKED BY:	JSM

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SHEET TITLE:
REPAIR DETAILS

R-504

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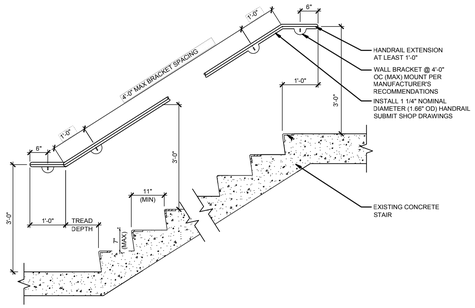
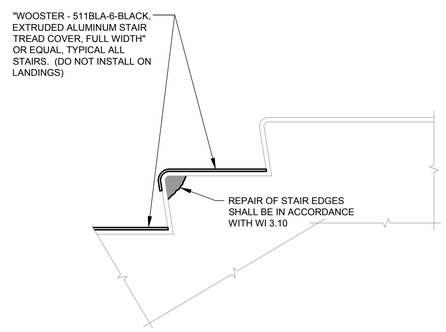
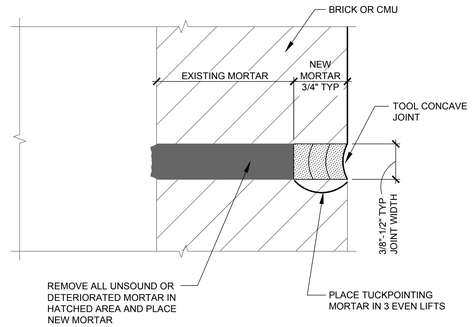


43.3 REPLACE HANDRAIL

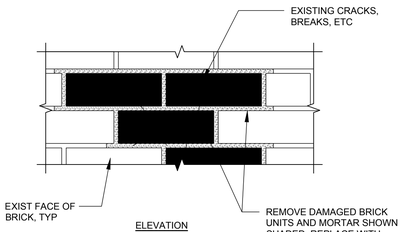


48.1 REPLACE STAIR TREAD COVERS



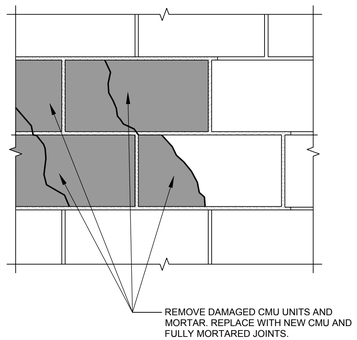
NOTES:
1. REMOVE LOOSE MATERIAL FROM JOINT.
2. FILL ANY VOIDS IN JOINT BEYOND POINTING WORK DEPTH.
3. GRIND BRICK SURFACES CLEAN OF EXISTING MORTAR. DO NOT DAMAGE ADJACENT MASONRY.
4. INSTALL MORTAR IN THREE LIFTS, COMPACTING EACH LIFT.
5. TOOL MORTAR JOINT CONCAVE.
6. MORTAR COLOR TO MATCH EXISTING.

76.3 TUCKPOINTING



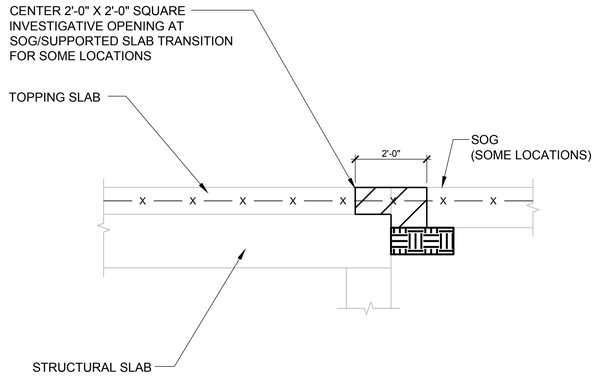
NOTES :
1. MORTAR JOINT REPLACEMENT AT BRICK MASONRY UNIT REPLACEMENT LOCATIONS IS INCIDENTAL. NO EXTRA PAYMENT UNDER TUCKPOINTING WORK ITEM.
2. DO NOT DAMAGE ADJACENT BRICK BY OVERCUTTING.
3. REPLACEMENT BRICK TO BE APPROVED BY ENGINEER AND/OR OWNER PRIOR TO START OF WORK.

80.1 REMOVE AND REPLACE FACE BRICK



NOTES :
1. PAY UNIT INCLUDES PROVIDING CORNER UNITS, BOND BEAM UNITS, ETC AS REQUIRED TO REPAIR ALL DAMAGED CMU.
2. INCIDENTAL TO THIS WORK IS PROVIDING NEW TRUSS OR LADDER TYPE REINFORCEMENT TO MATCH EXISTING. LAP MINIMUM ONE BLOCK LENGTH.
3. CONTRACTOR SHALL SUPPORT REMAINING AREAS OF CMU DURING REPAIRS.

80.3 REPLACE CMU



99.1 INVESTIGATIVE OPENINGS

SHEET NOTES

REPAIR DETAIL NOTES:
1. ALL SUBSTRATE SURFACES SHALL BE CLEANED, FREE OF DEBRIS AND ROUGHENED PRIOR TO APPLICATION OF REPAIR MATERIAL. APPLY BONDING AGENT TO SUBSTRATE IF REQUIRED PER REPAIR MORTAR MANUFACTURER'S REQUIREMENTS.
2. DO NOT CUT OR DAMAGE REINFORCING. NOTIFY ENGINEER IF EXISTING REINFORCING STEEL APPEARS TO HAVE OVER 20% SECTION LOSS OR TWO ADJACENT BARS HAVE OVER 10% SECTION LOSS. ENGINEER SHALL DETERMINE DURING CONSTRUCTION IF REINFORCING REPAIRS ARE REQUIRED.
3. ALL REBAR THAT IS EXPOSED SHALL BE CLEANED AND COATED WITH A CORROSION INHIBITOR.
4. ALL EXISTING ARCHITECTURAL DETAILS SHALL BE MAINTAINED IN AREAS OF REPAIR.
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VILLAGE OF ARLINGTON HEIGHTS FOUR PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

ARLINGTON HEIGHTS, ILLINOIS

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SHEET TITLE:
REPAIR DETAILS

R-505

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SPECIFICATIONS FOR

VILLAGE OF ARLINGTON HEIGHTS
FOUR PARKING STRUCTURES
2025 MAINTENANCE REPAIRS

March 2025 – RELEASED FOR BIDS

WALKER PROJECT NO. 31-009608.30

ARLINGTON HEIGHTS, ILLINOIS

WALKER CONSULTANTS

VILLAGE OF ARLINGTON HEIGHTS
FINANCE DEPARTMENT, PURCHASING DIVISION
33 S. ARLINGTON HEIGHTS ROAD

BID SPECIFICATIONS AND CONTRACT DOCUMENTS

TIF #1, TIF #2, MUNICIPAL, AND EVERGREEN PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

Required for Use by:	Village of Arlington Heights- Public Works- Engineering
Bid Deposit:	10% of bid
Performance Bond:	100% of bid
Pre-Bid Meeting:	Monday, March 17th, 2025, at 10:00 A.M. at the Village of Arlington Heights Public Works Water Department 222 N. Ridge Avenue, Arlington Heights, Illinois, 60005.
Date and Time Bids Due:	March 28th, 2025, at 10:00 A.M. local time. Village Hall – Buechner Room, 33 S. Arlington Heights Road, Arlington Heights, Illinois 60005.
Date and Time of Bid Opening:	March 28, 2025, 10:00 A.M.
Project Contact:	Chester Gorecki – Public Works – 847-368-5805.
Purchasing Coordinator:	Lisa Subrin, lsubrin@vah.com, 847-368-5509

ADD IN NEW BID VERBIAGE HERE WHEN USING BID CENTRAL

In the event bidder cannot submit a bid on the requirements as set forth in the bid documents, he or she should return the bid documents with an explanation as to why he or she is unable to bid on these requirements. Because of the large number of firms listed on the Village's qualified bidder's list, it is necessary to delete from these lists the names of those persons, firms or corporations who fail to respond after having been invited to bid on a commodity or commodities.

BID NOTICE

TIF #1, TIF #2, MUNICIPAL, AND EVERGREEN PARKING STRUCTURES
2025 MAINTENANCE REPAIRS

Sealed proposals will be received by the Village of Arlington Heights, 33 S. Arlington Heights Road, Arlington Heights, Illinois, until 10:00 A.M. local time on Friday, March 28, 2025, at which time they will be publicly opened and read.

The Affidavit of Availability must be submitted with the proposal, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work.

Bidders shall comply with the Prevailing Wage Rate Act (820 ILCS 130/), the IDOT Standard Specifications for Road and Bridge Construction, adopted January 1, 2022, and the IDOT Supplemental Specifications and Recurring Special Provisions, adopted January 1, 2024. Bidders will also be required to comply with the applicable equal employment opportunity provisions.

All proposals or bids offered must be accompanied by a bid security in the amount of 10% of the total bid in the form of a certified check, bid bond or cashier's check made payable to the Village of Arlington Heights. No bids shall be considered unless accompanied by such security.

Bidders shall comply with the Prevailing Wage Rate Act (820 ILCS 130). Bidders will also be required to comply with the applicable equal employment opportunity provisions.

The Village of Arlington Heights reserves the right to reject any or all proposals, to waive informalities in bidding and to accept the proposal deemed by the Board of Trustees to be the most favorable to the interests of the Village.

Specifications/bid documents may be obtained by contacting Lisa Subrin, Purchasing Coordinator, by email at lsubrin@vah.com

For a list of our current bids, visit our website at www.vah.com.

PRE-BID CONFERENCE

TIF #1, TIF #2, MUNICIPAL, AND EVERGREEN PARKING STRUCTURES
2025 MAINTENANCE REPAIRS

A Mandatory Pre-Bid Conference will be held on **Monday, March 17, 2025, at 10:00 A.M. in the Public Works Department Conference Room, Village of Arlington Heights**, 222 N Ridge Avenue, Arlington Heights, IL 60005

Bidder's questions will be responded to at that time only. It is suggested, but not required, that any questions regarding the bid documents be submitted to Chester Gorecki, prior to the Pre-Bid Conference in order to allow the Village sufficient time to adequately research and prepare a response for the conference.

ENGINEER:
John Morgan
Walker Consultants
jmorgan@walkerconsultants.com

(331) 422-6505

VILLAGE OF ARLINGTON HEIGHTS
AFFIDAVIT OF COMPLIANCE

Applicant Hammer Construction LLC
Name

558 Plate Dr. Suite #3 East Dundee IL
Address

As a condition of entering into a contract with the Village of Arlington Heights, and under oath and penalty of perjury and possible termination of contract right and debarment, the undersigned, Daniel Jones, being first duly sworn on oath, deposes and states that he or she is Member (sole owner, partner, joint ventured, President, Secretary, etc..) of Hammer Construction LLC and has the authority to
(Name of Company)
make all certifications required by this affidavit.

Section I

Non Collusion

The undersigned certifies that this bid is genuine and not collusive or sham, that said bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any bidder or person, to put in a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference with any person, to fix the bid price element of this bid, or of that of any other bidder, or to secure any advantage against any other bidder or any person interested in the proposed contract.

Section II

Bid Rigging and Rotating

The undersigned hereby certifies that it is not barred from bidding or contracting as a result of a conviction for violations of state laws prohibiting bid rigging or bid rotating or any similar offense of any state of the United States.

Daniel Jones

Section III

Illinois Drug Free Workplace Act

The undersigned further states that Hammer Construction LLC *(Name of Company)* provides a drug free workplace pursuant to Illinois Statues, 30 ILCS 580/1, et seq and provides compliance with necessary requirements.

Section IV

Tax Payment

The undersigned further states that Hammer Construction LLC *(Name of Company)* is not delinquent in payment of any taxes to the Illinois Department of Revenue, in accordance with Illinois Compiled Statues, 65 ILCS 5/11-42.1. The undersigned understands that making a false statement regarding delinquency in taxes is a Class A Misdemeanor and, in addition voids the contract and allows the municipality to recover all amounts paid to the individual or entity under the contract in civil action.

It is expressly understood the foregoing statements and representations and promises are made as a condition to the right of the bidder to receive payment under any award made under the terms and provisions of this bid.

The undersigned certifies that all the information contained in the Affidavit is true and correct.

Signed by: David Jones President
(Name)
(Title)

Subscribed and sworn to before me this 27th day of March 2025, AD.

By: Kristen Elizabeth Joyce
(Notary Public)

-Seal-

OFFICIAL SEAL
KRISTEN ELIZABETH JOYCE
NOTARY PUBLIC, STATE OF ILLINOIS
COMMISSION NO. 998987
MY COMMISSION EXPIRES OCTOBER 24, 2028

VILLAGE OF ARLINGTON HEIGHTS
INDEMNITY HOLD HARMLESS AGREEMENT

To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify and hold harmless the Village of Arlington Heights, its Board of Trustees, officers, agents and employees from any and all liability, losses or damages the Village may suffer as a result of claims, demands, suits, actions or proceedings of any kind or nature in any way resulting from or arising out of any action on the part of the Contractor or any Subcontractor. The Contractor shall, at its own expense; appear, defend and pay all charges of attorneys and all costs and other expenses arising therefore or incurred in connections therewith, and, if any judgment shall be rendered against the Village of Arlington Heights, its Board of Trustees, officers, agents and employees, in any such action, the contractor shall, at its own expense, satisfy and discharge the same. This indemnification does not apply to liability caused by the Village's own negligence.

The Contractor expressly understands and agrees that any insurance policies required by this contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the Village of Arlington Heights, its Board of Trustees, officers, agents and employees as herein provided.

CONTRACTOR: Hammer Construction LLC

By: Daniel Jones

VENDOR QUESTIONNAIRE

Company Name: Hammer Construction LLC

Address: 558 Plate Dr. Suite #3

City: East Dundee State: IL Zip: 60118

Phone: 773-405-7777 E-Mail: danny.jones@hammer-construction.com

Commodity: Construction Years in Business: 13

DBE (Disadvantaged Business Enterprise) Classification: Please indicate your DBE classification below, and provide any agency certifications you have received.

MBE (Minority-Owned Business Enterprise): A business that is at least 51 percent owned by one or more minorities. A person who is a U.S. citizen or lawful permanent resident and is African American, Hispanic American, Asian American, Native American, as well as other groups found to be disadvantaged pursuant to Section 8 (a) of the Small Business Act.
WBE (Women-Owned Business Enterprise): A business that is at least 51 percent owned by a woman or women who are United States Citizens or lawful permanent residents of the United States.
DOBE (Disability-Owned Business Enterprise): A business that is at least 51 percent owned by a person or group of persons with a disability, as recognized by the Americans with Disabilities Act.
VOSB (Veteran-Owned Small Business): A business that meets the qualifications to be a small business according to the SBA, and is at least 51 percent owned, operated and controlled by a veteran.
Not Applicable

Certifications:
Agency/Institution: N/A

Phone: 773-405-7777 Approval Date: 3/27/25

I hereby certify that the information supplied in this form is complete and correct to the best of my knowledge and belief. I authorize The Village of Arlington Heights to verify any of this information as needed.

Signature: Daniel Jones Title: Member

Name: Daniel Jones Date: 3/27/25

Name of Bidder Hammer Construction LLC

SECTION 00 41 00 - BID FORMS

30.1 INSTRUCTIONS

Submit Bids on this Bid Form in accordance with Instructions to Bidders.

30.2 BID FORM

PART 1 - TERMS OF BID

PROJECT IDENTIFICATION:

CONTRACT IDENTIFICATION AND NUMBER:

THIS BID IS SUBMITTED TO:

A. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER in form included in Contract Documents to complete all Work as specified or indicated in Contract Documents for Contract Price and within Contract Time indicated in this Bid and in accordance with Contract Documents.

B. BIDDER accepts all of terms and conditions of Instructions to Bidders, including without limitation those dealing with disposition of Bid Security. BIDDER will sign Agreement and submit Contract Security and other documents required by Contract Documents within 15 days after date of OWNER's Notice of Award. This Bid will remain open for 60 days after day of Bid opening.

C. In submitting this Bid, BIDDER represents, as more fully set forth in Agreement, that:

1. BIDDER has examined copies of all Contract Documents and of following addenda:

Date	Number
_____	_____
_____	_____

(receipt of all of which is hereby acknowledged) and also copies of Advertisement or Invitation to Bid or Instructions to Bidders.

2. BIDDER has examined site and locality where Work is to be performed, legal requirements (federal, state and local laws, ordinances, rules and regulations) and conditions affecting cost, progress or performance of Work and has made such independent investigations as BIDDER deems necessary.

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Name of Bidder Hammer Construction LLC

3. This Bid is genuine and not made in interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly induced or solicited any other Bidder to submit false or sham Bid; BIDDER has not solicited or induced any person, firm or corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER; and
4. BIDDER agrees that Work Item quantities are estimates and that OWNER may increase or decrease these quantities at unit prices stated, so long as increases or decreases in Base Bid do not exceed 25% of Base Bid price. Increases or decreases beyond these limits shall be in accordance with Supplementary Conditions, Division 00.
5. BIDDER agrees that all alterations or additions to Work shall be performed in accordance with paragraph "Changes" and/or "Construction Change Directives" under Section "Supplementary Conditions."
6. OWNER reserves right to delete any Section of Work.

D. BIDDER agrees that Work shall be substantially completed and fully completed on or before dates or within number of calendar days indicated in Agreement.

shall be substantially completed on or before
November 30 , 20 25

and fully completed by
December 15 , 20 25

BIDDER accepts provisions of Agreement as to liquidated damages in event of failure to complete Work on time.

E. BIDDER will complete Work for the prices shown in Section "List of Unit Prices."

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Name of Bidder Hammer Construction LLC

F. Communications concerning this Bid shall be addressed to: (BIDDER to provide bidder's name, address, telephone number and name of individual familiar with this Bid and able and authorized to answer questions regarding this Bid.)

Daniel Jones - 773-405-7777

Hayden Elder - 773-632-7102

G. Terms used in this Bid which are defined in General Conditions of Construction Contract included as part of Contract Documents have meanings assigned to them in General Conditions.

SUBMITTED ON March 28th , 20 25

PART 2 - ATTACHMENTS

Following documents are attached to and made condition of this Bid, unless noted otherwise:

A. Required Bid Security in form of:

B. Substitution listing per the requirements of the Instructions to Bidders within 7 days after the day of the Bid opening.

C. Equipment Suppliers' Listing.

D. List of alternates/alternatives.

E. List of Unit Prices.

F. Non-Collusion Affidavit.

G. A list of Subcontractors and other persons and organizations required to be identified, if so requested, per the requirements of the Instructions to Bidders within 7 days after the day of the Bid opening.

H. Required Bidders Qualification Statement for Structural Restoration Work with supporting data per requirements of Instructions to Bidders within 7 days after day of Bid opening. Use form attached to Section "Instructions to Bidders." Copies of previously prepared statements on this form which are less than 12 months old will be acceptable.

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Name of Bidder Hammer Construction LLC

PART 3 - SIGNATURES

If BIDDER is:

An Individual ** LLC

By Daniel Jones Daniel Jones (SEAL)
(Individual's Name)

doing business as Hammer Construction LLC

Business Address: 558 Plate Dr. Suite #3 East Dundee IL

Phone Number: 773-405-7777

A Partnership

By N/A (SEAL)
(Firm Name)

N/A
(General Partner)

(General Partner)

Business Address: N/A

Phone Number: N/A

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Name of Bidder Hammer Construction LLC

A Corporation

By _____
(Corporation Name)

_____
(State of Incorporation)

By _____
(Name of Person Authorized to Sign)

_____
(Title)

(Corporate Seal)

Attest _____
(Secretary)

Business Address: _____

_____

_____

Phone Number: _____

A Joint Venture

By _____
(Name)

_____
(Address)

By _____
(Name)

_____
(Address)

Each joint venture member must sign. The manner of signing for each individual partnership and corporation that is party to joint venture should be in manner indicated above.

END OF SECTION 00 41 00

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SECTION 00 43 10 – PROCUREMENT FORM SUPPLEMENTS

1.1 LIST OF PRICES

State Unit Prices on the following forms.

TIF #1 PARKING STRUCTURE

WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
1.0	**GENERAL REQUIREMENTS**				
1.1 1.2 1.3 1.4 1.5	General Requirements Concrete Formwork Concrete Shores and Reshores Concrete Reinforcement Temporary Signage	L.S.	1	$37,500.00	$37,500.00
2.0	**CONCRETE FLOOR REPAIR**				
2.1	Pressure Wash SOG	L.S.	1	$1,500.00	$1,500.00
3.0	**CONCRETE FLOOR REPAIR**				
3.1	Floor Repair – Precast	S.F.	280	$72.00	$20,160.00
3.3	Floor Repair – Full Depth	S.F.	10	$149.00	$1,490.00
3.9	Floor Repair – Lifting Loop	EA.	15	$74.00	$1,110.00
3.10	Stair Nosing Repair	S.F.	15	$149.00	$2,235.00
3.11	Slab-On-Grade Repair	S.F.	25	$64.00	$1,600.00
3.12	Slab-On-Grade Repair	S.F.	550	$64.00	$35,200.00
4.0	**CONCRETE CEILING REPAIR**				
4.1	Ceiling Repair	S.F.	40	$124.00	$4,960.00
6.0	**CONCRETE COLUMN REPAIR**				
6.1	Column Repair	S.F.	50	$124.00	$6,200.00
7.0	**CONCRETE WALL REPAIR**				
7.1	Wall Repair	S.F.	25	$124.00	$3,100.00
7.5	Grout Bed	L.F.	220	$64.00	$14,080.00

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WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
8.0	**PRECAST TEE BEAM REPAIR**				
8.1	Tee Stem Repair	S.F.	40	$124.00	$4,960.00
8.4	Tee Flange Repair	S.F.	100	$124.00	$12,400.00
11.0	**CRACK AND JOINT REPAIR**				
11.1	Seal Random Floor Cracks	L.F.	1,450	$9.00	$13,050.00
11.2	Construction Joint Sealant	L.F.	200	$12.00	$2,400.00
11.3	Vertical Joint Sealant	L.F.	500	$12.00	$6,000.00
11.4	Tee-to-Tee Joint Sealant	L.F.	2,000	$11.50	$23,000.00
11.7	Cove Sealant	L.F.	320	$14.00	$4,480.00
11.8	Horizontal Joint Sealant	L.F.	80	$14.00	$1,120.00
11.9	Reseal Floor Cracks	L.F.	30	$12.00	$360.00
11.10	Window Glazing Cap Seal	L.F.	50	$25.00	$1,250.00
15.0	**PROTECTIVE SEALER**				
15.1	Silane Sealer	S.F.	289,000	$0.41	$118,490.00
16.0	**TRAFFIC TOPPING**				
16.1	Traffic Topping - Vehicular	S.F.	50	$10.00	$500.00
25.0	**MECHANICAL - DRAINAGE**				
25.1	Replace Floor Drain	EA.	2	$3,750.00	$7,500.00
37.0	**DOOR, FRAMES AND HARDWARE**				
37.2	Replace Door and Frame	EA.	1	$5,250.00	$5,250.00
40.0	**CONNECTIONS/BEARINGS**				
40.2	Shear Connector Replacement	EA.	40	$495.00	$19,800.00
40.3	Reweld Connections	EA.	5	$224.00	$1,120.00
43.0	**Miscellaneous Metals**				
43.2	Replace Wall Opening Grates	EA.	16	$124.00	$1,984.00

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WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
43.3	Replace Handrail	EA.	1	$3,950.00	$3,950.00
45.0	**PAINTING**				
45.1	Paint Traffic Markings	LVL.	6	$1,500.00	$9,000.00
45.6	Clean and Paint Connections	EA.	34	$84.00	$2,856.00
45.7	Clean and Paint Angle	EA.	3	$124.00	$372.00
45.9	Clean and Paint Handrails	EA.	9	$404.00	$3,636.00
45.10	Clean and Paint Window Frame	L.S.	2	$424.00	$848.00
80.0	**BRICK/CONCRETE MASONRY UNIT FACADE**				
80.3	Replace CMU	EA.	2	$224.00	$448.00
	TIF #1 PARKING STRUCTURE - BID TOTAL				**$** 373,909.00

Description of Abbreviations:

L.F. = Lineal Feet
EA = Each
S.F. = Square Feet
L.S. = Lump Sum
LVL. = Level

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TIF #2 PARKING STRUCTURE

WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
1.0	**GENERAL REQUIREMENTS**				
1.1 1.2 1.3 1.4 1.5	General Requirements Concrete Formwork Concrete Shores and Reshores Concrete Reinforcement Temporary Signage	L.S.	1	$25,000.00	$25,000.00
2.0	**CONCRETE FLOOR REPAIR**				
2.1	Pressure Wash SOG	L.S.	1	$1,500.00	$1,500.00
3.0	**CONCRETE FLOOR REPAIR**				
3.1	Floor Repair - Precast	S.F.	285	$72.00	$20,520.00
3.4	Floor Repair – Curb	EA.	5	$324.00	$1,620.00
3.10	Stair Nosing Repair	S.F.	10	$149.00	$1,490.00
4.0	**CONCRETE CEILING REPAIR**				
4.1	Ceiling Repair	S.F.	15	$188.00	$2,820.00
5.0	**CONCRETE BEAM REPAIR**				
5.1	Beam Repair - Precast	S.F.	5	$188.00	$940.00
6.0	**CONCRETE COLUMN REPAIR**				
6.1	Column Repair	S.F.	10	$188.00	$1,880.00
6.6	Haunch Repair	S.F.	5	$188.00	$940.00
7.0	**CONCRETE WALL REPAIR**				
7.1	Wall Repair	S.F.	5	$188.00	$940.00
8.0	**PRECAST TEE BEAM REPAIR**				
8.1	Tee Stem Repair	S.F.	5	$188.00	$940.00
8.4	Tee Flange Repair	S.F.	15	$188.00	$2,820.00
8.7	Tee Flange Strengthening	EA.	12	$585.00	$7,020.00
11.0	**CRACK AND JOINT REPAIR**				

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WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
11.1	Seal Random Floor Cracks	L.F.	1,100	$14.00	$15,400.00
11.2	Construction Joint Sealant	L.F.	55	$14.00	$770.00
11.4	Tee-to-Tee Joint Sealant	L.F.	855	$13.00	$11,115.00
11.7	Cove Sealant	L.F.	50	$15.00	$750.00
15.0	**PROTECTIVE SEALER**				
15.1	Silane Sealer	S.F.	193,100	$0.38	$73,378.00
16.0	**TRAFFIC TOPPING**				
16.1	Traffic Topping - Vehicular	S.F.	85	$10.00	$850.00
25.0	**MECHANICAL - DRAINAGE**				
25.1	Replace Floor Drain	EA.	2	$3,750.00	$7,500.00
25.3	Replace Drainpipe	L.F.	10	$175.00	$1,750.00
25.6	Rehang Pipe	EA.	1	$500.00	$500.00
30.0	**ELECTRICAL - LIGHTING**				
30.7	Reattach Light Fixture	EA.	2	$500.00	$1,000.00
37.0	**DOOR, FRAMES AND HARDWARE**				
37.2	Replace Door and Frame	EA.	21	$5,250.00	$110,250.00
40.0	**CONNECTIONS/BEARINGS**				
40.2	Shear Connector Replacement	EA.	20	$525.00	$10,500.00
43.0	**MISCELLANEOUS METALS**				
43.1	Barrier Cable Replacement	L.F.	1,010	$9.90	$9,999.00
43.4	Remove and Replace Bollard	EA.	10	$325.00	$3,250.00
45.0	**PAINTING**				
45.1	Paint Traffic Markings	LVL.	5	$1,500.00	$7,500.00
45.7	Clean and Paint Angle	EA.	1	$350.00	$350.00
45.8	Clean and Paint Steel Stair Stringers and Risers	EA.	1	$1,850.00	$1,850.00

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WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
48.0	**STAIR COVERS**				
48.1	Replace Stair Tread Covers	EA.	216	$220.00	$47,520.00
	TIF #2 PARKING STRUCTURE - BID TOTAL				$ 372,662.00

Description of Abbreviations:

L.F. = Lineal Feet
EA = Each
S.F. = Square Feet
L.S. = Lump Sum
LVL. = Level

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MUNICIPAL PARKING STRUCTURE

WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
1.0	**GENERAL REQUIREMENTS**				
1.1 1.2 1.3 1.4 1.5	General Requirements Concrete Formwork Concrete Shores and Reshores Concrete Reinforcement Temporary Signage	L.S.	1	$10,000.00	$10,000.00
3.0	**CONCRETE FLOOR REPAIR**				
3.1	Floor Repair – Cast-in-Place	S.F.	105	$69.00	$7,245.00
3.10	Stair Nosing Repair	S.F.	5	$74.00	$370.00
4.0	**CONCRETE CEILING REPAIR**				
4.1	Ceiling Repair	S.F.	160	$152.00	$24,320.00
5.0	**CONCRETE BEAM REPAIR**				
5.1	Beam Repair – Cast-in-Place	S.F.	5	$198.00	$990.00
6.0	**CONCRETE COLUMN REPAIR**				
6.1	Column Repair	S.F.	25	$198.00	$4,950.00
7.0	**CONCRETE WALL REPAIR**				
7.1	Wall Repair	S.F.	10	$198.00	$1,980.00
10.0	**EXPANSION JOINT REPAIR AND REPLACEMENT**				
10.1	Expansion Joint – Header Repair	L.F.	20	$84.00	$1,680.00
10.5	Expansion Joint – Compression Foam Seal	L.F.	80	$168.00	$13,440.00
11.0	**CRACK AND JOINT REPAIR**				
11.2	Construction Joint Sealant	L.F.	370	$12.00	$4,440.00
11.3	Vertical Joint Sealant	L.F.	10	$15.00	$150.00
11.5	Epoxy Inject Cracks	L.F.	10	$124.00	$1,240.00
11.7	Cove Sealant	L.F.	520	$12.00	$6,240.00
11.8	Horizontal Joint Sealant	L.F.	150	$12.00	$1,800.00

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WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
16.0	**TRAFFIC TOPPING**				
16.1	Traffic Topping - Vehicular	S.F.	1,000	$7.50	$7,500.00
37.0	**DOOR, FRAMES AND HARDWARE**				
37.2	Replace Door and Frame	EA.	3	$5,250.00	$15,750.00
45.0	**PAINTING**				
45.5	Clean and Paint Door	EA.	1	$550.00	$550.00
76.0	**CRACK REPAIR AND TUCKPOINTING**				
76.3	Tuckpointing	L.F.	10	$95.00	$1,950.00
80.0	**BRICK/CONCRETE MASONRY UNIT FACADE**				
80.1	Remove and Replace Face Brick	S.F.	10	$125.00	$1,250.00
	MUNICIPAL PARKING STRUCTURE - BID TOTAL				$ 105,845.00

Description of Abbreviations:

L.F. = Lineal Feet
EA = Each
S.F. = Square Feet
L.S. = Lump Sum
LVL. = Level

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EVERGREEN PARKING STRUCTURE

WORK ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENSION
1.0	**GENERAL REQUIREMENTS**				
1.1 1.2 1.3 1.4 1.5	General Requirements Concrete Formwork Concrete Shores and Reshores Concrete Reinforcement Temporary Signage	L.S.	1	$7,500.00	$7,500.00
3.0	**CONCRETE FLOOR REPAIR**				
3.11	Slab-On-Grade Repair	S.F.	35	$105.00	$3,675.00
4.0	**CONCRETE CEILING REPAIR**				
4.1	Ceiling Repair	S.F.	155	$148.00	$22,940.00
5.0	**CONCRETE BEAM REPAIR**				
5.1	Beam Repair – Cast-in-Place	S.F.	10	$188.00	$1,880.00
7.0	**CONCRETE WALL REPAIR**				
7.1	Wall Repair	S.F.	10	$188.00	$1,880.00
25.0	**MECHANICAL - DRAINAGE**				
25.2	Replace Drain Grate	EA.	1	$725.00	$725.00
37.0	**DOOR, FRAMES AND HARDWARE**				
37.2	Replace Door and Frame	EA.	2	$5,250.00	$10,500.00
43.0	**MISCELLANEOUS METALS**				
43.6	Replace Handrail	EA.	1	$4,500.00	$4,500.00
99.0	**INVESTIGATION**				
99.1	Investigative Openings	EA.	6	$600.00	$3,600.00
	EVERGREEN PARKING STRUCTURE - BID TOTAL				$ 57,200.00

Description of Abbreviations:

L.F. = Lineal Feet
S.F. = Square Feet
LVL. = Level
EA = Each
L.S. = Lump Sum

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TIF #1 PARKING STRUCTURE BID TOTAL:	**$** 373,909.00
TIF #2 PARKING STRUCTURE BID TOTAL:	**$** 372,662.00
MUNICIPAL PARKING STRUCTURE BID TOTAL:	**$** 105,845.00
EVERGREEN PARKING STRUCTURE BID TOTAL:	**$** 57,200.00
BID GRAND TOTAL:	**$** 909,616.00

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1.2 NON-COLLUSION AFFIDAVIT

Bidder, by its officers and its agents or representatives present at the time of filing this Bid, being duly sworn on their oaths say, that neither they nor any of them have in any way, directly or indirectly, entered into any arrangement or agreement with any other Bidder, or with any officer of Village of Arlington Heights whereby such affiant or affiants or either of them has paid or is to pay such other Bidder or officer any sum of money, or has given or is to give to such other Bidder or officer anything of value whatever, or such affiant or affiants or either of them has not directly or indirectly, entered into any arrangement or agreement with any other free competition into the letting of the contract sought for by the attached Bids that no inducement of any form or character other than that which appears on the face of the Bid will be suggested, offered, paid or delivered to any person whomsoever to influence the acceptance of the Bid or awarding of the Contract, nor has this Bidder any agreement or understanding of any kind whatsoever, with any person whomsoever to pay, deliver to, or share with any other person in any way or manner, any of the proceeds of the Contractor sought by this Bid.

Submitted By: Daniel Jones

Type or print firm name:

Hammer Construction LLC

Authorized Signature:

Daniel Jones

Date:

3/27/25

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1.3 LIST OF SUBCONTRACTORS

	COMPANY ADDRESS	CONTACT PERSON NAME PHONE NUMBER FAX NUMBER
Protective Sealer	N/A	N/A
Traffic Topping	N/A	N/A
Doors and Windows	John Charles Enterprises	Dave Kern 847-477-3973
Plumbing	Adamson Plumbing Contractors	Chris Eisenhauer 312-593-3346

END OF SECTION 00 43 10

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SECTION 00 45 13 – BIDDER'S QUALIFICATION STATEMENT - STRUCTURAL RESTORATION WORK

This statement is required in advance of consideration of application to bid or as a qualification statement in advance of a restoration contract.

SUBMITTED TO: WALKER Consultants

Attn: John Morgan

SUBMITTED BY: Hammer Construction LLC

ADDRESS: 558 Plate Dr. Suite #3 East Dundee IL

PHONE: (_____) 773-405-7777

CONTACT: Daniel Jones

COMPANY STRUCTURE:

- __ Corporation
- __ Partnership
- __ Individual
- __ Joint Venture
- x Other (Explain)

Limited Liability Corp. (LLC)

SPECIAL CERTIFICATIONS:

- __ MBE
- __ WBE
- __ Other (Explain): _____

SUBMITTAL DATE: March 28th, 2025

AREA(S) OF EXPERTISE: (Check all that apply)

- x Structural Concrete Repair
- x Waterproofing/Jts. & Sealants
- x Waterproofing/Traffic Toppings & Sealers
- x Waterproofing/Roofing
- x Waterproofing/Plaza Systems
- x Concrete Flatwork
- x Brick/Masonry
- __ Historic Buildings
- __ _____
- __ _____

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STRUCTURAL RESTORATION CONTRACTOR'S QUALIFICATION QUESTIONNAIRE

1. How many years has your organization been in business as a structural restoration contractor? 12 Years Starting Year: 2013

2. How many years has your organization been in business as a general contractor? 12 Years Starting Year: 2013

3. How many years has your organization been in business under its present business name? 12 Years Starting Year: 2013

4. List states in which your organization is legally qualified to do business. - Illinois, Indiana, Wisconsin

5. What percentage of the work do you normally perform with your own work forces? 90%

6. List on **Table I** the last five parking facility/bridge deck structural restoration projects your firm has completed.

7. List on **Table II** the structural restoration projects your organization has in progress at this time.

8. Have you ever failed to complete any work awarded to you? If so, attach a separate sheet of explanation. - No

9. Has any officer or partner of your organization ever been an officer or partner of another organization that failed to complete a construction contract? If so, attach a separate sheet of explanation.
   - No

10. List on **Table III** the construction experience of the principals and superintendents of your company.

11. What is your present bonding capacity? $ 2,000,000 per Project,
    $ 3% Aggregate

12. Who is your bonding agent?

    NAME: Conor & Gallagher Insurance Services

    ADDRESS: 2815 Forbs Ave Suite 102 Hoffman Estates, IL 60192

    PHONE: (____) 847-396-7100

    CONTACT: Kristian Lee

13. Are you rated by any State Highway Departments? If so, please list which states on **Table IV** and your company's rating.

14. List on **Table V** the equipment you own that is available for restoration work.

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15. Are there any liens against the above? N/A If so, total amount $_____

16. Attach your company's most recent audited Balance Sheet, prepared in accordance with generally accepted accounting principles.

Date of Balance Sheet: 12/31/2023

Name of firm Balance Sheet: Hammer Construction LLC

DATED AT _____ THIS 27th DAY OF March, 20 25.

Name of Organization: Hammer Construction LLC

By: Daniel Jones

TITLE: Member

STATE OF: Illinois

COUNTY OF: Kane

Kristen Joyce being duly sworn, deposes and says that he/she is Secretary of the above organization and that the answers to the questions in the foregoing questionnaire and all statements therein contained are true and correct.

SUBSCRIBING AND SWORN TO BEFORE ME THIS 27th DAY OF 20 25.

NOTARY PUBLIC: Kristen Elizabeth Joyce

MY COMMISSION EXPIRES: 10/24/2028

OFFICIAL SEAL
KRISTEN ELIZABETH JOYCE
NOTARY PUBLIC, STATE OF ILLINOIS
COMMISSION NO. 998987
MY COMMISSION EXPIRES OCTOBER 24, 2028

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TABLE I - LAST FIVE RESTORATION JOBS COMPLETED			
Name and Address of Contractor Hammer Construction LLC 558 Plate Dr. Suite #3 East Dundee IL			Date: 3/27/25
Name and Address of Owner	Type of Restoration Work	Contract Amount	Date Completed
CTA Cumberland Garage 5800 N Cumberland Chicago IL, 60631	Concrete Repair, Drain & Pipe Replacement, Plumbing Repairs	$1,180,030.00	2022
Village of Des Plaines Garages 1420 Miner St Des Plaines IL, 60016	Concrete Repair, Sealant Repair, Traffic Membrane Repair, EIFS Repair, Plumbing Repairs	$134,920.00	2024
Village of Arlington Heights Four Parking Structures 33 S. Arlington Heights Rd., Arlington Heights IL 60005	Concrete Repairs, Sealant Repairs, Membrane Repairs, Drain Repairs, Post Tension Repairs	$1,018,687.00	2024
City of Rockford Garages 211 Church St. Rockford IL	Concrete Repairs, Sealant Repairs, Membrane Repairs, Drain Repairs	$490,000.00	2023
Southgate Market Garage 1101 S Canal Chicago IL, 60605	Concrete Repairs, Sealant Repairs, Membrane Repairs, Drain Repairs	$1,092,750.00	2023

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TABLE II - LIST OF STRUCTURAL RESTORATION IN PROGRESS

Name and Address of Contractor: Hammer Construction LLC 558 Plate Dr. Suite #3 East Dundee IL			Date: 3/27/25
Name and Address of Owner	Type of Work	Contract Amount	Expected Completion Date
Dupage County Garages 479 & 509 County Farm Rd Wheaton IL, 60187	Concrete Repairs, Sealant Repairs, Membrane Repairs, Drain Repairs, Silane Sealer Repairs	$2,590,408.00	6/1/25
Village of Palatine Garage 210 N Smith St Palatine IL, 60067	Concrete Repairs, Sealant Repairs, Membrane Repairs	$593,935.00	6/1/25

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TABLE III - CONSTRUCTION EXPERIENCE OF PRINCIPALS AND SUPERINTENDENTS

Name and address of Contractor: Hammer Construction LLC 558 Plate Dr. Suite #3 East Dundee IL

Date: 3/27/25

Name	Position	Years Experience		Type of Work	Contract Amount
		Construction	Restoration		
Patrick Paganucci	Superintendent	15	15	Restoration	Available Upon Rqst
Glen Brown	Foreman	20	20	Restoration	
Hayden Elder	Project Manager	8	8	Project Management	

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TABLE IV - RATINGS BY STATE HIGHWAY DEPARTMENTS			
Name and address of Contractor: Hammer Construction LLC 558 Plate Dr. Suite #3 East Dundee IL			Date: 3/27/25
State	Rating	Contact & Phone No.	Highway Jobs for Ea. State
		Available Upon Request*	

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TABLE V - LIST OF EQUIPMENT			
Name and address of Contractor: Hammer Construction LLC 558 Plate Dr. Suite #3 East Dundee IL			Date: 3/27/25
Description of Equipment	Quantity	Years of Service	Current Book Value
CAT 252B CAT 262D Doosan 185 CAT 289D CAT 272D	1 1 1 1 1	1-10 Years	$100,000+

END OF SECTION 00 45 13

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 3/25/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Connor & Gallagher Insurance Services, Inc.
750 Warrenville Rd.
Suite 400
Lisle IL 60532
License#: 100300162

CONTACT NAME: CGO Certificate Team
PHONE (A/C, No, Ext): 630-810-9100 FAX (A/C, No): 630-810-0100
E-MAIL ADDRESS: certs@gocgo.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Insurance Company of the West	27847
INSURER B : West Bend Mutual Ins. Co.	15350
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Hammer Construction, LLC
558 Plate Dr. Unit 3
East Dundee IL 60118
HAMMCON-01

COVERAGES **CERTIFICATE NUMBER:** 862396940 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
B	X COMMERCIAL GENERAL LIABILITY	Y		B711192 00	6/20/2024	6/20/2025	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 300,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						MED EXP (Any one person)	$ 10,000
	POLICY X PRO-JECT LOC						PERSONAL & ADV INJURY	$ 1,000,000
	OTHER:						GENERAL AGGREGATE	$ 2,000,000
							PRODUCTS - COMP/OP AGG	$ 2,000,000
								$
B	AUTOMOBILE LIABILITY	Y		B711192 00	6/20/2024	6/20/2025	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
B	X UMBRELLA LIAB X OCCUR	Y		B711192 00	6/20/2024	6/20/2025	EACH OCCURRENCE	$ 5,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 5,000,000
	DED RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N	N / A		WIL 5071664 01	6/20/2024	6/20/2025	X PER STATUTE OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y (Mandatory In NH)						E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
B	Leased/Rented Equipment			B711192 00	6/20/2024	6/20/2025	Limit	$100,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Excluded Officer: Danny Jones
Arlington Heights Village is included as, its Officials, Employees, Agents and Volunteers are included as Additional Insured on a primary and non-contributory basis with respects to General Liability and Auto Liability when required in written contract. Umbrella Follows Form.

Policy cancellation clause will follow policy provisions.

CERTIFICATE HOLDER

Arlington Heights Village
Purchasing Division, Finance Department
33 S. Arlington Heights Road
Arlington Heights, IL 60005

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PLUS PAK – COMMERCIAL AUTO

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

A. Changes In Covered Autos Liability Coverage

1. Paragraph **A.1. Who Is An Insured** is amended by the addition of the following:

   Newly Acquired Organizations

   Any organization you newly acquire or form, other than a partnership, joint venture or limited liability company, and over which you maintain ownership or majority interest, will qualify as a Named Insured if there is no other similar insurance available to that organization. However:

   a. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier;

   b. This coverage does not apply to "bodily injury" or "property damage" that occurred before you acquired or formed the organization;

   c. No person or organization is an insured with respect to the conduct of any current or past partnership, joint venture or limited liability company that is not shown as a named Insured in the Declarations.

   Employees As Insureds

   Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

   Employee Hired Autos

   An "employee" of yours is an "insured" while operating an "auto" hired or rented under a contract or agreement in an "employee's" name, with your permission, while performing duties related to the conduct of your business.

   If Employee Hired Autos **CA 20 54** is attached to this policy, the Employee Hired Autos coverage described above does not apply.

   Additional Insured By Written Contract

   Any person or organization for whom you have agreed to add under a written contract or agreement. Such person or organization is an additional "insured" only with respect to your ownership, maintenance or use of a covered "auto".

   This coverage is primary to and will not seek contribution from any other insurance available to an "insured" provided that:

   a. Such "insured" is a Named Insured under such other insurance; and

   b. You have agreed in a written contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to such "insured".

2. **Increased Supplementary Payments**

   Paragraph **A.2.a.(4)** is replaced by:

   (4) All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to $300 a day because of time off from work.

3. **Fellow Employee**

   Paragraph **B.5. Fellow Employee** does not apply to claims for "bodily injury" resulting from the use of a covered "auto" where the fellow "employee" is not immune from "suit" or civil liability for "bodily injury" by reason of Workers Compensation laws or other similar laws.

   Coverage is excess over any other collectible insurance.

   This amendment is not applicable in Virginia. See applicable Virginia Changes endorsement.

B. Changes In Physical Damage Coverage

1. Paragraph **A. Coverage** is amended by the addition of:

   Loan/Lease Gap Coverage

   In the event of a total "loss" to a covered "auto", of the private passenger or "light or medium truck" type, to which a loss payee applies under the Commercial Auto Coverage Part, we will pay any unpaid amount due on the lease or loan for a covered "auto" less:

   The amount paid under the policy's Physical Damage Coverage and any:

   a. Overdue or any deferred lease/loan payments at the time of the "loss";

   b. Financial penalties imposed under a lease for excessive use, abnormal wear and tear or high mileage;

   c. Security deposits not returned by the lessor;

   d. Costs for extended warranties, Credit Life Insurance, Health, Accident or Disability Insurance purchased with the loan or lease; and

   e. Carry-over balances from previous loans or leases.

   This coverage applies only to "autos", of the private passenger or "light or medium truck" type, that:

   a. Are provided comprehensive and collision coverages by the attached policy and

   b. Have not been previously titled under the motor vehicle laws of any state.

   The insurance provided is excess over any other collectible insurance including but not limited to any coverage provided by or purchased from the lessor or any financial institution.

   If Auto Loan/Lease Gap Coverage **CA 20 71** is attached to this policy, the Loan/Lease Gap Coverage described above does not apply.

2. Paragraph **A.2. Towing and Labor** is replaced by:

   2. Towing and Labor

   We will pay up to a maximum of $150 for towing and labor costs incurred each time a covered "auto", of the private passenger or "light or medium truck" type, is disabled. However, the labor must be performed at the place of disablement.

   If a limit is shown in the Declarations for towing and labor costs, the Towing and Labor coverage described above does not apply.

3. Paragraph **A.4.a. Transportation Expenses** is replaced by:

   a. Transportation Expenses

   We will pay up to $50 per day, to a maximum of $1,500, for temporary transportation expense incurred by you because of the total theft of a covered "auto" of the private passenger or "light or medium truck" type. We will pay only for those covered "autos" for which you carry either Comprehensive or Specified Causes Of Loss Coverage. We will pay for temporary transportation expenses incurred during the period beginning 48 hours after the theft and ending, regardless of the policy's expiration, when the covered "auto" is returned to use or we pay for its "loss".

4. Paragraph **A.4.b. Loss of Use Expenses** is replaced by:

   b. Loss of Use Expenses

   For Hired Auto Physical Damage, we will pay expenses for which an "insured" becomes legally responsible to pay for loss of use of a vehicle rented or hired without a driver under a written rental contract or agreement. We will pay for loss of use expenses caused by:

   (1) Other than collision only if the Declarations indicates that Comprehensive Coverage is provided for any covered "auto";

   (2) Specified Causes Of Loss only if the Declarations indicates that Specified Causes Of Loss Coverage is provided for any covered "auto"; or

   (3) Collision only if the Declarations indicates that Collision Coverage is provided for any covered "auto".

   However, the most we will pay for any expenses for loss of use is $50 per day, to a maximum of $1,500.

   If Optional Limits – Loss of Use Expenses Endorsement **CA 99 90** is attached to this policy, the Loss of Use Expenses described above does not apply.

5. Paragraph **A.4. Coverage Extensions** is amended by the addition of:

   Electronic Logging Devices

   We will also pay, with respect to a covered "loss", up to $5,000 in any one occurrence for the actual loss sustained to all electronic onboard recorder permanently installed in the "auto" but only with respect to a covered "auto".

A deductible of $250 applies to any one occurrence.

In the event that there is more than one applicable deductible, only the highest deductible will apply.

Personal Property

If we pay for a "loss" to a covered "auto" caused by:

a. Fire,

b. Lightning,

c. Theft or attempted theft if there are visible signs of someone breaking into the covered "auto" or the entire "auto" is stolen or

d. Collision, we will extend coverage to pay for "loss" to personal property contained in or on the "auto" at the time of the "loss" to the "auto".

Under this extension:

(1) The personal property must be owned by you, your family member or your employee.

(2) We will pay up to $500 in any one "loss".

(3) This Personal Property coverage is excess over any other insurance available for the same "loss".

(4) Personal Property does not include tools, jewelry, money or securities.

Rental Reimbursement

We will pay for rental reimbursement expenses incurred by you for the rental of an "auto" because of a covered "loss" to a covered "auto" of the private passenger or truck type. Payment applies in addition to the otherwise applicable amount of each coverage you have on a covered "auto". No deductibles apply to this coverage.

We will pay only for those expenses incurred during the policy period beginning 24 hours after the "loss" and ending, regardless of the policy's expiration, with the lesser of the following number of days:

a. The number of days reasonably required to repair or replace the covered "auto". If "loss" is caused by theft, this number of days is added to the number of days it takes to locate the covered "auto" and return it to you.

b. 30 days.

Our payment is limited to the lesser of the following amounts:

a. Necessary and actual expenses incurred.

b. $100 per day.

This coverage does not apply while there are spare or reserve "autos" available to you for your operations.

If "loss" results from the total theft of a covered "auto" of the private passenger or truck type, we will pay under this coverage only that amount of your rental reimbursement expenses which is not already provided for under – Physical Damage Coverage Extension.

If Rental Reimbursement Coverage **CA 99 23**, is attached to this policy, the Rental Reimbursement described above does not apply.

Hired Auto Physical Damage

If hired "autos" are covered "autos" for Liability Coverage and Comprehensive, Specified Causes Of Loss or Collision Coverages are provided for any "auto" you own, then the Physical Damage Coverages provided are extended to "autos" you hire of the private passenger or "light or medium truck" type.

The most we will pay for "loss" to any hired "auto" is the lesser of:

a. $75,000

b. The actual cash value of the damaged hired "auto" or

c. The cost of repairing or replacing the damaged or stolen hired "auto".

Our obligation to pay for repair, return or replacement of a stolen hired "auto", will be reduced by a deductible. The deductible will be equal to the largest deductible applicable to any owned "auto" of the private passenger or "light or medium truck" type for the applicable coverage.

Hired Auto Physical Damage Coverage is excess over any other collectible insurance. Subject to the above limit, deductible and excess provisions, we will provide coverage equal to the broadest coverage applicable to any covered "auto" you own of the private passenger or "light or medium truck" type.

If symbol 08 or 68 is listed in the Covered Autos section of the Declarations as applying to any Physical Damage Coverages, the Hired Auto Physical Damage described above does not apply.

6. Paragraphs **B.3.a.** in the Business Auto Coverage Form and **B.4.a.** in the Motor Carrier Coverage Form are amended by the addition of the following:

Accidental Airbag Inflation

This exclusion does not apply to the accidental inflation of an airbag.

7. Paragraph **C. Limits of Insurance** is amended by the addition of the following:

   Waiver of Depreciation – Private Passenger Vehicle

   If we deem a covered "auto", of the private passenger type, to be a total loss, within 180 days of your purchase of the "auto", and it has not been previously titled under the motor vehicle laws of any state, at our option, we may:

   a. Replace the covered "auto" with a new "auto" of like make, model and year or

   b. Pay you an amount equal to the cost of the covered "auto" new, including taxes.

   This coverage does not apply to a leased "auto".

   No one will be entitled to receive duplicate payments for the same elements of "loss" under this endorsement and this Coverage Form's Physical Damage Coverage

   If Replacement Cost Coverage - Private Passenger Types **CA 04 41** is attached to this policy, the waiver described above does not apply.

8. Paragraph **D. Deductible** is amended by the addition of the following:

   Attached Autos

   If you have a loss to more than one covered "auto" when such covered "autos" are attached to one another at the time of "loss", then our obligation to pay will be reduced by the single highest applicable deductible.

   Auto and Other Property Loss

   If you have a covered "loss" to Covered Property under a Commercial Property or Inland Marine Coverage Part under this policy and a covered "loss" to a covered "auto" or more than one covered "autos" that are attached to one another at the time of "loss", then our obligation to pay will be reduced by the single highest applicable deductible.

   Glass Repair – Waiver Of Deductible

   If the Declarations indicates that Comprehensive Coverage applies, no Comprehensive Coverage deductible applies to the cost of repairing damaged glass on the covered "auto(s)".

C. Changes in Business Auto Conditions and Motor Carrier Conditions

1. Paragraph **A.2.a. Duties In The Event Of Accident, Claim, Suit Or Loss** is amended by the addition of the following:

   This duty applies only when the "accident" or "loss" is known to:

   (1) You, if you are an individual,

   (2) A partner, if you are a partnership.

   (3) A member or manager, if you are a limited liability company or

   (4) An executive officer or insurance manager, if you are a corporation.

2. Paragraph **A.5. Transfer of Rights of Recovery Against Others To Us** is amended by the addition of the following:

   This condition does not apply to any person(s) or organization(s) for whom you are required to waive subrogation with respect to the coverage provided under this Coverage Form, but only to the extent that subrogation is waived:

   a. Under a written contact or agreement with such person(s) or organization(s); and

   b. Prior to the "accident" or the "loss."

3. Paragraphs **B.5.b.** in the Business Auto Coverage Form and **B.5.f.** in the Motor Carrier Coverage Form are deleted.

   If symbol 08 or 68 is listed in the Covered Autos section of the Declarations as applying to any Physical Damage Coverages, this item does not apply.

4. Paragraph **B.5** is amended by the addition of the following:

   Employee Hired Autos

   For Hired Auto Physical Damage Coverage, any covered "auto" hired or rented by your "employee" under a contract in an "employee's" name, with your permission, while performing duties related to the conduct of your business is deemed to be a covered "auto" you own.

   If Employee Hired Autos Endorsement **CA 20 54** is attached to this policy, the Employee Hired Autos coverage described above does not apply.

D. Changes in Definitions

1. Paragraph **C.** is replaced by the following:

   C. "Bodily injury" means bodily injury, sickness or disease sustained by a person including mental anguish or death resulting from any of these.

2. The following definition is added:

   "Light or medium truck" means a truck of 20,000 lbs. or less gross vehicle weight.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location And Description Of Completed Operations
Any person or organization for whom you have agreed, p , IL	All work performed by Hammer Construction, LLC at (General Contractor or other party) jobsites
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable limits of insurance;

whichever is less.

This endorsement shall not increase the applicable limits of insurance.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – CONTRACTOR'S BLANKET

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

A. WHO IS AN INSURED (Section II) is amended to include as an additional insured any person or organization whom you are required to add as an additional insured on this policy under a written contract or written agreement.

The written contract or written agreement must be:

1. Currently in effect or becoming effective during the term of this policy; and
2. Signed by all parties to the written contract or written agreement prior to the "bodily injury," "property damage," "personal injury and advertising injury."

B. The insurance provided to the additional insured is limited as follows:

1. That person or organization is only an additional insured with respect to liability for "bodily injury", "property damage' or "personal and advertising injury" caused in whole or in part, by:
   a. Your premises; or
   b. Your negligent acts or omissions in connection with "Your work" for that additional insured.

   However:
   a. The insurance afforded to such additional insured only applies to the extent permitted by law; and
   b. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the written contract or written agreement to provide such additional insured.
2. The Limits of Insurance applicable to the additional insured are those specified in the written contract or written agreement or in the Declarations for this policy, whichever is less. These Limits of Insurance are inclusive and not in addition to the Limits of Insurance shown in the Declarations.
3. Except when required by written contract or written agreement, the coverage provided to the additional insured by this endorsement does not apply to:
   a. "Bodily injury" or "property damage" occurring after:
      (1) All work on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured at the site of the covered operations has been completed; or
      (2) That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as part of the same project.
   b. "Bodily injury" or "property damage" arising out of acts or omissions of the additional insured other than in connection with the general supervision of "your work."
4. The insurance provided to the additional insured does not apply to "bodily injury," "property damage," "personal injury and advertising injury" arising out of an architect's, engineer's, or surveyor's rendering of or failure to render any professional services including;
   a. The preparing, approving, or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; and
   b. Supervisory, or inspection activities performed as part of any related architectural or engineering activities.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage", or the offense which caused the "personal and advertising injury", involved the rendering of, or the failure to render, any professional architectural, engineering or surveying services.

C. As respects the coverage provided under this endorsement, Paragraph **4.b. SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS** is amended with the addition of the following:

4. Other insurance

b. Excess insurance

This insurance is excess over:

Any other valid and collectible insurance procured by or on behalf of the additional insured whether primary, excess, contingent or on any other basis unless a written contract specifically requires that this insurance be either primary or primary and noncontributing. Where required by written contract, we will consider any other insurance procured by the additional insured for injury or damage covered by this endorsement to be excess and noncontributing with this insurance.

If no written contract specifically requires primary or noncontributory coverage, then this insurance is excess and as a condition of coverage, the additional insured shall be obligated to tender the defense and indemnity of every claim or suit to all other insurers that may provide coverage to the additional insured, whether on a contingent, excess or primary basis.

When this insurance is excess, we will have no duty under Coverage **A.** and Coverage **B.** to defend the insured against any "suit" if any other insurer has a duty to defend the insured against that "suit". If no other insurer defends, we will undertake to do so, but we will be entitled to the insured's rights against all those other insurers.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED CONSTRUCTION PROJECT(S) GENERAL AGGREGATE LIMIT

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Designated Construction Project(s):
Your projects away from premises owned or rented by you
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

A. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section **I** – Coverage **A,** and for all medical expenses caused by accidents under Section **I** – Coverage **C,** which can be attributed only to ongoing operations at a single designated construction project shown in the Schedule above:

1. A separate Designated Construction Project General Aggregate Limit applies to each designated construction project, and that limit is equal to the amount of the General Aggregate Limit shown in the Declarations.
2. The Designated Construction Project General Aggregate Limit is the most we will pay for the sum of all damages under Coverage **A,** except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard", and for medical expenses under Coverage **C** regardless of the number of:
   a. Insureds;
   b. Claims made or "suits" brought; or
   c. Persons or organizations making claims or bringing "suits".
3. Any payments made under Coverage **A** for damages or under Coverage **C** for medical expenses shall reduce the Designated Construction Project General Aggregate Limit for that designated construction project. Such payments shall not reduce the General Aggregate Limit shown in the Declarations nor shall they reduce any other Designated Construction Project General Aggregate Limit for any other designated construction project shown in the Schedule above.
4. The limits shown in the Declarations for Each Occurrence, Damage To Premises Rented To You and Medical Expense continue to apply. However, instead of being subject to the General Aggregate Limit shown in the Declarations, such limits will be subject to the applicable Designated Construction Project General Aggregate Limit.

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B. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section **I** – Coverage **A,** and for all medical expenses caused by accidents under Section **I** – Coverage **C,** which cannot be attributed only to ongoing operations at a single designated construction project shown in the Schedule above:

1. Any payments made under Coverage **A** for damages or under Coverage **C** for medical expenses shall reduce the amount available under the General Aggregate Limit or the Products-completed Operations Aggregate Limit, whichever is applicable; and
2. Such payments shall not reduce any Designated Construction Project General Aggregate Limit.

C. When coverage for liability arising out of the "products-completed operations hazard" is provided, any payments for damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard" will reduce the Products-completed Operations Aggregate Limit, and not reduce the General Aggregate Limit nor the Designated Construction Project General Aggregate Limit.

D. If the applicable designated construction project has been abandoned, delayed, or abandoned and then restarted, or if the authorized contracting parties deviate from plans, blueprints, designs, specifications or timetables, the project will still be deemed to be the same construction project.

E. The provisions of Section **III** – Limits Of Insurance not otherwise modified by this endorsement shall continue to apply as stipulated.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

AMENDMENT OF OTHER INSURANCE CONDITION – BLANKET

This endorsement modifies insurance provided under the following:

COMMERCIAL LIABILITY UMBRELLA COVERAGE PART

The **Other Insurance** of **Section IV – Conditions** is deleted and replaced by:

5. Other Insurance

a. This insurance is excess over, and shall not contribute with any of the other insurance, whether primary, excess, contingent or on any other basis. This condition will not apply to either:

(1) Other insurance that is specifically written as excess over this Coverage Part; or

(2) Other insurance available to an additional insured, as described in paragraph **3.** of **Section II** of this Coverage Part, provided that:

(a) The additional insured is a Named Insured under such insurance;

(b) You have agreed in a written contract or written agreement with the additional insured that such other insurance is intended to be either excess of this insurance or excess and non-contributory with this insurance;

(c) The most we will pay on behalf of the additional insured will be the amount of insurance:

(i) Required in the written contract or written agreement, less any amounts payable by any "underlying insurance"; or

(ii) Available under the applicable Limits of Insurance shown in the Declarations of this policy and described in **Section III - Limits of Insurance**;

whichever is less; and

(d) The "bodily injury" or "property damage" takes place after the written contract or written agreement is signed by all parties, or as respects "personal and advertising injury", the offense takes place after the written contract or written agreement is signed by all parties.

b. When this insurance is excess, we will have no duty under Coverages **A** or **B** to defend the insured against any "suit" if any other insurer has a duty to defend the insured against that "suit". If no other insurer defends, we will undertake to do so, but we will be entitled to the insured's rights against all those other insurers.

c. When this insurance is excess over other insurance, we will pay only our share of the "ultimate net loss" that exceeds the sum of:

(1) The total amount that all such other insurance would pay for the loss in the absence of the insurance provided under this Coverage Part; and

(2) The total of all deductible and self-insured amounts under all that other insurance.

This endorsement shall not increase the applicable Limits of Insurance show in the Declarations of this policy.

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Liberty Mutual SURETY

Bid Bond

CONTRACTOR:
(Name, legal status and address)
Hammer Construction, LLC

558 Plate Drive Unit 3
East Dundee, IL 60118

OWNER:
(Name, legal status and address)
Village of Arlington Heights

33 South Arlington Heights RD
Arlington Heights, IL 60005

SURETY:
(Name, legal status and principal place of business)
The Ohio Casualty Insurance Company
175 Berkeley Street
Boston, MA 02116

MAILING ADDRESS FOR NOTICES:
Liberty Mutual Surety Claims
P.O. Box 34526
Seattle, WA 98124

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

BOND AMOUNT: 10% of Bid Amount Ten Percent of Bid Amount

PROJECT:
(Name, location or address, and Project number, if any)
TIF #1, TIF #2, MUNICIPAL, AND EVERGREEN PARKING STRUCTURES 2025 MAINTENANCE REPAIRS

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 28th day of March, 2025.

Mike Landry
(Witness)

Hammer Construction, LLC
(Contractor as Principal) *(Seal)*

Member
(Title)

Daynah DeArcangelis
(Witness) Daynah DeArcangelis

The Ohio Casualty Insurance Company
(Surety)

Susan Vanek
(Title) Susan Vanek - Attorney in Fact

THE OHIO CASUALTY INSURANCE COMPANY INCORPORATED 1919 NEW HAMPSHIRE

BID-0029563

Init. /

Liberty Mutual Surety vouches that the original text of this document conforms exactly to the text in AIA Document A310–2010 Edition Bid Bond.

LMS-20862e 02/21

POWER OF ATTORNEY

The Ohio Casualty Insurance Company

Principal: Hammer Construction, LLC
Agency Name: Connor & Gallagher Insurance Services, Inc. Bond Number: BID-0029563
Obligee: Village of Arlington Heights
Bid Bond Amount: (10% of Bid Amount) Ten Percent of Bid Amount

KNOW ALL PERSONS BY THESE PRESENTS: that The Ohio Casualty Insurance Company, a corporation duly organized under the laws of the State of New Hampshire (herein collectively called the "Company"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint **Susan Vanek** in the city and state of **Lisle, IL**, each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Company in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of the Company has been affixed thereto this 1st day of August, 2024.

The Ohio Casualty Insurance Company

By: _____
Nathan J. Zangerle, Assistant Secretary

STATE OF PENNSYLVANIA
COUNTY OF MONTGOMERY ss

On this 1st day of August, 2024, before me personally appeared Nathan J. Zangerle, who acknowledged himself to be the Assistant Secretary of The Ohio Casualty Insurance Company and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2029
Commission number 1126044
Member, Pennsylvania Association of Notaries

By: _____
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-law and Authorizations of The Ohio Casualty Insurance Company, which is now in full force and effect reading as follows:

ARTICLE IV – OFFICERS: Section 12. Power of Attorney.
Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Nathan J. Zangerle, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature or electronic signatures of any assistant secretary of the Company or facsimile or mechanically reproduced or electronic seal of the Company, wherever appearing upon a certified copy of any power of attorney or bond issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, of The Ohio Casualty Insurance Company do hereby certify that this power of attorney executed by said Company is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Company this 28th day of March, 2025.

By: _____
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.

LiUNA!
Chicagoland
LABORERS'
District Council Training & Apprentice Fund

(630) 653-0006
chicagolaborers.org

November 12, 2024

Hammer Construction

558 Plate Drive, Unit 3
East Dundee, IL 60188

To Whom It May Concern:

Enclosed you will please find a copy of the Department of Labor certification that you requested recently.

You may also use this letter as verification that Hammer Construction is indeed signatory to the Chicago Laborers District Council and contributes to the Laborers Apprenticeship Fund and their active account is current.

Our Mandatory Apprentice Program has successfully trained and graduated hundreds of apprentices providing safe, efficient and hard-working employees for signatory employers. The LIUNA Chicagoland Laborers' District Council Training and Apprenticeship Fund has graduated the following number of apprentices within the last five years:

2023: 190
2022: 125
2021: 86
2020: 94
2019: 77

Regards,

John Retondo

John Retondo
Director of Apprenticeship

Carol Stream
1200 Old Gary Avenue
Carol Stream, IL 60188

Labor Trustees
James P. Connolly, *Chairman*
Michael Bivins
Shawn Fitzgerald
Martin Flanagan
Joseph V. Healy
Loyd "Curly" Vaughn

Executive Director
Keith Vitale

LiUNA! Feel the Power
Local 42-L

Management Trustees
David Lorig, *Secretary*
Seth Gudeman
Shane Higgins
Joseph Koppers
Robert G. Krug
William Vignocchi

Chicago
5700 West Homer St.
Chicago, IL 60639

The United States Department of Labor

Office of Apprenticeship

Certificate of Registration of Apprenticeship Program

Chicagoland Laborers

Carol Stream, IL

For the occupation of CONSTRUCTION CRAFT LABORER

Registered as part of the National Apprenticeship System in accordance with the basic standards of apprenticeship established by the Secretary of Labor

April 12, 1999

Date

IL017990001

Registration No.

Administrator, Office of Apprenticeship

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Approving the Purchase of Two Dodge SUVs for the Police Department
Department: Public Works & Engineering

Item Description:
The approved 2025 Capital Plan includes $27,481 for replacing one (1) minivan and $376,000 for the replacement of several patrol vehicles. All of these vehicles are used daily in Police operations.

A thorough condition assessment conducted by Fleet Service technicians confirmed that the minivan and one of the proposed patrol vehicles scheduled for replacement have exceeded their service life. Based on this assessment, replacement is necessary to ensure continued reliability and efficiency in Police Department operations.

Staff is bringing these two vehicles separately from the future approval requests, due to the change in model from the current models.

The Public Works and Engineering Department staff worked alongside staff from the Police Department and propose replacing the minivan and one of the patrol vehicles with two 2025 Dodge Durango SUVs. Based on the operational needs of the two vehicles proposed for replacement in this agenda item, Police staff find that the Mid-sized SUVs are better-suited, as they provide increased storage and quicker access to gear and equipment.

Staff leveraged competitive pricing through the Southwest Conference of Mayors (SCM). SCM is a joint purchasing cooperative similar to Northwest Municipal Conference that uses multiple government agencies and collaborative purchasing to obtain more competitive bid pricing. Staff regularly reviews multiple conferences and dealers to maximize savings for these types of vehicle purchases.

Thomas Dodge Chrysler Jeep of Highland, Indiana, holds the SCM bid award for two Dodge Durango SUVs. The total cost of $79,857 for the two SUVs is under the approved budget for Fiscal Year 2025, resulting from two patrol vehicle deferrals recommended earlier this year.

Funds for these two vehicles are available in the Public Works Fleet Fund Account #621-9003-550050 VH9503.

RECOMMENDATION

It is recommended that the Village Board award Thomas Dodge Chrysler Jeep of Highland, Indiana, the purchase of two Dodge Durango SUVs for a combined value of $79,857, as authorized in the attached Resolution, and execute the necessary documents.

ATTACHMENTS:

1. 20250407_Fleet_Police_SUVs_Resolution_and _ attachment

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE PURCHASE OF TWO 2025 DODGE DURANGO SUVS FROM THOMAS DODGE CHRYSLER JEEP OF HIGHLAND, INDIANA

WHEREAS, Article VII, Section 10 of the Constitution of the State of Illinois, and the Intergovernmental Cooperation Act, 5 ILCS 220/1 et seq., authorize and encourage intergovernmental cooperation; and

WHEREAS, the Village is eligible to participate in the Southwest Conference of Mayors (SCM), a purchasing cooperative that permits local governments to purchase and lease commodities and services according to contracts negotiated by SCM, resulting in significant savings for the Village; and

WHEREAS, the Public Works & Engineering Department along with the Police Department have identified the need to procure two 2025 Dodge Durango SUV's; and

WHEREAS, the SCM sought bids for the award of the contract for the purchase of the 2025 Dodge Durango SUV's; and

WHEREAS, the SCM identified Thomas Dodge Chrysler Jeep, of Highland, Indiana as the low responsible bidder for the Purchase Contract; and

WHEREAS, the Village now desires to purchase the two 2025 Dodge Durango SUV's in a total amount not to exceed $79,857; and

WHEREAS, the Village President and Board of Trustees have determined that it will serve and be in the best interest of the Village to purchase the two 2025 Dodge Durango SUV's from Thomas Dodge Chrysler Jeep, in a total amount not to exceed $79,857, in accordance with the SCM and the Purchase Contract;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF PURCHASE. The President and Board of Trustees hereby approve the purchase by the Village of two 2025 Dodge Durango SUV's from Thomas Dodge Chrysler Jeep, in a total amount not to exceed $79,857, in accordance with the SCM and the Purchase Contract, is hereby approved.

SECTION 3. EXECUTION OF REQUIRED DOCUMENTATION. The Village Manager and the Village Clerk are hereby authorized to execute and attest, on behalf of the Village, all documents necessary to complete the purchase authorized pursuant to Section 2 of this Resolution.

SECTION 4. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

AYES:

NAYS:

PASSED AND APPROVED THIS ___ day of _____, 20__.

_____
Village President

ATTEST:

_____
Village Clerk

Thomas Dodge Chrysler Jeep of Highland, Inc. 9604 Indianapolis Blvd Highland, IN 46322

Quote

Date	Quote #
3/6/2025	002P4-25

Village of Arlington Heights 33 S. Arlington Heights Road Arlington Heights, IL 60005

Make/Model	Year
Dodge Durango Pursuit AWD	2025

Customer Phone	Customer Email	Attn:
(847) 368-5850	rsalisbury@vah.com	Raymond Salisbury

Item	Qty	Description	MSRP	Ext. Price	Total
WDEE75	1	Dodge Durango Pursuit AWD V6	$46,285.00	$39,067.00	$39,067.00
PXJ	1	DB Black Clear Coat	N/C	N/C	$0.00
CW6	1	Deactivate Rear Doors & Windows	$145.00	$130.00	$130.00
	1	IL Title & MP Plates		$173.00	$173.00

	Total	$39,370.00

Phone	Contact Email	Contact
(708) 403-8801	nicholasp@thomasautogroup.com	Nick Pash

Dealer Signature

Customer Signature

Thomas Dodge Chrysler Jeep of Highland, Inc. 9604 Indianapolis Blvd Highland, IN 46322

Quote

Date	Quote #
3/6/2025	002P4-24

Village of Arlington Heights 33 S. Arlington Heights Road Arlington Heights, IL 60005

Make/Model	Year
Dodge Durango Pursuit AWD	2024

Customer Phone	Customer Email	Attn:
(847) 368-5850	rsalisbury@vah.com	Raymond Salisbury

Item	Qty	Description	MSRP	Ext. Price	Total
WDEE75	1	Dodge Durango Pursuit AWD V6	$45,310.00	$40,137.00	$40,137.00
PW7	1	White Knuckle Clear Coat	N/C	N/C	$0.00
UC1	1	Admin/Detective/Undercover Package	$910.00	$350.00	$350.00
		VIN: 1C4RDJFGXRC254235			

	Total	$40,487.00

Phone	Contact Email	Contact
(708) 403-8801	nicholasp@thomasautogroup.com	Nick Pash

Dealer Signature

Customer Signature

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Approving the Purchase of Four 2025 Ford AWD Hybrid Vehicles for the Police Department
Department: Public Works & Engineering

Item Description:
The approved 2025 Capital Budget includes $376,080 for the replacement of numerous Police Department vehicles in the Patrol Division. This proposed resolution accounts for four of the seven budgeted vehicles. The proposed vehicles are 2025 Ford All Wheel Drive (AWD) Hybrid Police Interceptors.

A thorough condition assessment conducted by Fleet Service technicians confirmed that four of the proposed patrol vehicles scheduled for replacement have exceeded their service life. Based on this assessment, replacement is necessary to ensure continued reliability and efficiency in Police Department operations. If approved, the current vehicles will be surplused in accordance with Village policy.

Staff is proposing to purchase the four 2025 Ford Utility hybrid vehicles for $48,698 each, for a total cost of $194,792. The remaining funding is allocated and identified under a separate agenda item.

Staff leveraged competitive pricing through the Suburban Purchasing Cooperative (SPC). SPC is a joint purchasing cooperative similar to Northwest Municipal Conference that uses multiple government agencies and collaborative purchasing to obtain more competitive bid pricing. Staff regularly reviews multiple conferences and dealers to maximize savings for these types of vehicle purchases.

This year's winning bidder is Currie Motors Ford of Frankfort, Illinois. The Village has worked with Currie Motors in the past and found them to be acceptable.

Funds are available for these purchases in Account No. 621-9003-550050 (VH9503).

RECOMMENDATION

It is recommended that the Village Board award Currie Motors Ford of Frankfort, Illinois, the purchase of four 2025 Ford AWD Hybrid Police Interceptors for a combined value of $194,792, as authorized in the attached Resolution, and execute the necessary documents.

ATTACHMENTS:

1. 20250407_Police_AWD_Interceptors_Resolution_and_attachment

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE PURCHASE OF
FOUR 2025 FORD HYBRID INTERCEPTORS FOR POLICE DEPARTMENT
FROM CURRIE MOTORS OF FRANKFORT, ILLINOIS

WHEREAS, Article VII, Section 10 of the Constitution of the State of Illinois, and the Intergovernmental Cooperation Act, 5 ILCS 220/1 et seq., authorize and encourage intergovernmental cooperation; and

WHEREAS, the Village is a member of the Northwest Municipal Conference (*"NWMC"*), a corporate organization representing municipalities and townships located within the State of Illinois and Counties of Cook, DuPage, Kane, Lake, and McHenry; and

WHEREAS, the Village participates in the NWMC Suburban Purchasing Cooperative (*"SPC"*) which permits local governments to purchase commodities and services according to contracts negotiated by the NWMC, resulting in significant savings for the Village; and

WHEREAS, the Public Works & Engineering Department has identified the need to procure four 2025 Ford Hybrid Interceptors; and

WHEREAS, the SPC sought bids for the award of the contract for the purchase of the four 2025 Ford Hybrid Interceptors (*"Purchase Contract"*); and

WHEREAS, the SPC identified Currie Motors, of Frankfort, Illinois, as the low responsible bidder for the Purchase Contract; and

WHEREAS, the Village now desires to purchase the four 2025 Ford Hybrid Interceptors, in a total amount not to exceed $194,792; and

WHEREAS, the Village President and Board of Trustees have determined that it will serve and be in the best interest of the Village to purchase the four 2025 Ford Hybrid Interceptors from Currie Motors, in a total amount not to exceed $194,792, in accordance with the SPC and the Purchase Contract;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF PURCHASE. The President and Board of Trustees hereby approve the purchase by the Village of the four 2025 Ford Hybrid Interceptors from Currie Motors, in a total amount not to exceed $194,792, in accordance with the SPC and the Purchase Contract, is hereby approved.

SECTION 3. EXECUTION OF REQUIRED DOCUMENTATION. The Village Manager and the Village Clerk are hereby authorized to execute and attest, on behalf of the Village, all documents necessary to complete the purchase authorized pursuant to Section 2 of this Resolution.

SECTION 4. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

AYES:

NAYS:

PASSED AND APPROVED THIS ___ day of _____, 20__.

_____
Village President

ATTEST:

_____
Village Clerk

Prepared for: , Village of Arlington Heights

2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515

Client Proposal

Prepared by:
Nic Cortellini
Office: 815-464-9200
Email: ncortellini@curriemotors.com
Quote ID: 2025-63632
Date: 03/10/2025

2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515 | Quote ID: 2025-63632

Warranty

Standard Warranty

Basic Warranty

Basic warranty	36 months/36,000 miles

Powertrain Warranty

Powertrain warranty	60 months/100,000 miles

Corrosion Perforation

Corrosion perforation warranty	60 months/unlimited

Roadside Assistance Warranty

Roadside warranty	60 months/60,000 miles

Hybrid/Electric Components Warranty

Hybrid/electric components warranty	96 months/100,000 miles

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

Prepared for:
Village of Arlington Heights
Prepared by: Nic Cortellini
03/10/2025

Currie Motors Ford of Valpo | 2052 Morthland Drive Valparaiso Indiana | 463855439

2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515 | Quote ID: 2025-63632

Major Equipment

(Based on selected options, shown at right)
10-speed automatic

Exterior: Agate Black
Interior: Charcoal Black w/Unique HD Cloth Front Bucket Seats w/Vinyl Rear

* 18 x 8-inch front and rear black steel wheels
* P255/60RW18 AS BSW front and rear tires
* Lock-up transmission
* Alternator Amps: 220A
* All-speed ABS and driveline traction control
* HD lead acid battery
* Steering wheel mounted audio controls
* 8 inch primary display
* AM/FM
* Auxiliary input jack
* Vehicle body length: 198.8"
* Standard ride suspension
* Rear window defroster
* Manual folding door mirrors
* Deep tinted windows
* Speed sensitive wipers
* Dual-zone front climate control
* Driver front impact airbag
* Passenger front impact airbag
* Class III tow rating
* Overdrive transmission
* Transmission electronic control
* Stainless steel dual exhaust
* Battery rating: 850CCA
* Fuel tank capacity: 18.99 gal.
* Wireless audio streaming
* AM/FM stereo radio
* Seek scan
* External memory control
* Wheelbase: 119.1"
* Trip computer
* Power door mirrors
* LED brake lights
* Variable intermittent front windshield wipers
* Automatic climate control
* Rear under seat climate control ducts
* Seat mounted side impact driver airbag
* Seat mounted side impact front passenger airbag

As Configured Vehicle

	MSRP
STANDARD VEHICLE PRICE	$49,515.00
Order Code 500A	N/C
Engine: 3.3L V6 Direct-Injection Hybrid System	Included
Transmission: 10-Speed Automatic	Included
3.73 Axle Ratio	Included
GVWR: 6,840 lbs (3,103 kgs)	Included
Tires: 255/60R18 AS BSW	Included
Wheels: 18" x 8" 5-Spoke Painted Black Steel	Included
Unique HD Cloth Front Bucket Seats w/Vinyl Rear	Included
Monotone Paint Application	STD
119" Wheelbase	STD
Radio: AM/FM/MP3 Capable	Included
50-State Emissions System	STD
SYNC Phoenix Communication & Entertainment System	Included
Agate Black	N/C
Charcoal Black w/Unique HD Cloth Front Bucket Seats w/Vinyl Rear	N/C
Front & Rear Police Wire Harness Connector Kit	$200.00
Global Lock/Unlock Feature	N/C

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

Prepared for:
Village of Arlington Heights
Prepared by: Nic Cortellini
03/10/2025

Currie Motors Ford of Valpo | 2052 Morthland Drive Valparaiso Indiana | 463855439

2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515 | Quote ID: 2025-63632

Major Equipment

* Airbag occupancy sensor
* Electronic stability control system with anti-rollover
* Fixed rear seats
* Front facing rear seat
* Height adjustable rear seat head restraints
* 3 rear seat head restraints
* Bucket front seats
* Front passenger seat with 8-way directional controls
* Manual front seat head restraint control
* Power height adjustable driver seat
* Power driver seat cushion tilt
* Power height adjustable control passenger seat
* Cloth front seat upholstery
* Driver seat with 2-way power lumbar
* 4-wheel disc brakes
* Brake assist system
* 7 airbags
* Manual rear child safety door locks
* 35-30-35 folding rear seats
* Fold forward rear seatback
* Manual rear seat head restraint control
* Split-bench rear seat
* Driver seat with 8-way directional controls
* Height adjustable front seat head restraints
* Manual reclining driver seat
* Power driver seat fore/aft control
* Power reclining passenger seat
* Power passenger seat fore/aft control
* Vinyl front seatback upholstery
* Front passenger seat with 2-way power lumbar
* 4-wheel antilock (ABS) brakes
* Hill start assist

As Configured Vehicle

	MSRP
Keyed Alike - 0135x	$50.00
Rear-Door Controls Inoperable	$80.00
Driver Only LED Bulb Spot Lamp (Unity)	$400.00
Badge Delete	N/C
SUBTOTAL	$50,245.00
Destination Charge	$1,595.00
TOTAL	**$51,840.00**

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515 | Quote ID: 2025-63632

Fuel Economy

City
N/A

Hwy
N/A

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515 | Quote ID: 2025-63632

As Configured Vehicle

Code	Description	MSRP
Base Vehicle		
K8A	Base Vehicle Price (K8A)	$49,515.00
Packages		
500A	Order Code 500A *Includes:* *- Engine: 3.3L V6 Direct-Injection Hybrid System (136-MPH top speed).* *- Transmission: 10-Speed Automatic* *- 3.73 Axle Ratio* *- GVWR: 6,840 lbs (3,103 kgs)* *- Tires: 255/60R18 AS BSW* *- Wheels: 18" x 8" 5-Spoke Painted Black Steel* *Includes polished stainless steel hub cover and center caps.* *- Unique HD Cloth Front Bucket Seats w/Vinyl Rear* *Includes reduced bolsters, 6-way power track driver seat (fore/aft. up/down, tilt with manual recline, 2-way manual lumbar), 8-way power track passenger seat with 2-way power recline and 2-way power lumbar and built-in steel intrusion plates in both driver/passenger seatbacks.* *- Radio: AM/FM/MP3 Capable* *Includes 100 watt siren/speaker prep kit, clock, 4 speakers, 1 USB port and 8" color LCD screen center-stack smart display, supports Android Auto and Apple CarPlay and fleet telematics modem.* *- SYNC Phoenix Communication & Entertainment System* *Includes hands-free voice command support compatible with most Bluetooth connected mobile devices, 911 Assist, VHR, SYNC Services, AppLink, Bluetooth, steering wheel controls, USB port and auxiliary input jack.*	N/C
Powertrain		
99W	Engine: 3.3L V6 Direct-Injection Hybrid System Late availability. *(136-MPH top speed).*	Included
44B	Transmission: 10-Speed Automatic	Included
STDAX	3.73 Axle Ratio	Included
STDGV	GVWR: 6,840 lbs (3,103 kgs)	Included
Wheels & Tires		
STDTR	Tires: 255/60R18 AS BSW	Included
STDWL	Wheels: 18" x 8" 5-Spoke Painted Black Steel *Includes polished stainless steel hub cover and center caps.*	Included
Seats & Seat Trim		

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515 | Quote ID: 2025-63632

As Configured Vehicle (cont'd)

Code	Description	MSRP
9	Unique HD Cloth Front Bucket Seats w/Vinyl Rear *Includes reduced bolsters, 6-way power track driver seat (fore/aft. up/down, tilt with manual recline, 2-way manual lumbar), 8-way power track passenger seat with 2-way power recline and 2-way power lumbar and built-in steel intrusion plates in both driver/passenger seatbacks.*	Included

Other Options

PAINT	Monotone Paint Application	STD
119WB	119" Wheelbase	STD
STDRD	Radio: AM/FM/MP3 Capable Allows data to be provided to support Ford Pro telematics and data services via optional subscription, including but not limited to vehicle location, speed, idle time, fuel, vehicle diagnostics and maintenance alerts. Device enables optional telematics services through Ford or authorized providers via paid subscription. Subscribe at https://fordpro.com/en-us/telematics/ or call 1-833-811-FORD (3673). *Includes 100 watt siren/speaker prep kit, clock, 4 speakers, 1 USB port and 8" color LCD screen center-stack smart display, supports Android Auto and Apple CarPlay and fleet telematics modem.* *Includes:* *- SYNC Phoenix Communication & Entertainment System* *Includes hands-free voice command support compatible with most Bluetooth connected mobile devices, 911 Assist, VHR, SYNC Services, AppLink, Bluetooth, steering wheel controls, USB port and auxiliary input jack.*	Included
67V	Front & Rear Police Wire Harness Connector Kit *For connectivity to Ford PI Package solutions includes front (2) male 4-pin connectors for siren, (5) female 4-pin connectors for lighting/siren/speaker, (1) 4-pin IP connector for speakers, (1) 4-pin IP connector for siren controller connectivity, (1) 8-pin sealed connector, (1) 14-pin IP connector, rear (2) male 4-pin connectors for siren, (5) female 4-pin connectors for lighting/siren/speaker, (1) 4-pin IP connector for speakers, (1) 4-pin IP connector for siren controller connectivity, (1) 8-pin sealed connector and (1) 14-pin IP connector.*	$200.00
51R	Driver Only LED Bulb Spot Lamp (Unity)	$400.00
68G	Rear-Door Controls Inoperable *Locks, handles and windows. Can manually remove window or door disable plate with special tool. Locks/windows operable from driver's door switches.*	$80.00
18D	Global Lock/Unlock Feature *Door-panel switches will lock/unlock all doors and rear liftgate. Eliminates the 45-second liftgate lock release + paitro timer. Overhead liftgate button and blue liftgate release button on key fob will not have any function when pressed with this option.*	N/C
59D	Keyed Alike - 0135x	$50.00
16D	Badge Delete *Deletes the Police Interceptor badging on rear liftgate and the Interceptor badging on front hood (EcoBoost).*	N/C

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515 | Quote ID: 2025-63632

As Configured Vehicle (cont'd)

Code	Description	MSRP
Emissions		
425	50-State Emissions System Flexible Fuel Vehicle (FFV) system is standard equipment for vehicles equipped with the 3.3L V6 Direct-Injection engine.	STD
Exterior Color		
UM_01	Agate Black	N/C
Interior Color		
9W_01	Charcoal Black w/Unique HD Cloth Front Bucket Seats w/Vinyl Rear	N/C
Upfit Options		
01	License and Title Municipal (MP)	$203.00
02	Rustproofing (Dose Not Include Undercoating)	$395.00
03	Delivery Greater than 50 Miles of Dealership	$250.00

SUBTOTAL	$51,093.00
Destination Charge	$1,595.00
TOTAL	$52,688.00

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

Prepared for:
Village of Arlington Heights
Prepared by: Nic Cortellini
03/10/2025

Currie Motors Ford of Valpo | 2052 Morthland Drive Valparaiso Indiana | 463855439

2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515 | Quote ID: 2025-63632

Pricing Summary - Single Vehicle

	MSRP
Vehicle Pricing	
Base Vehicle Price	$49,515.00
Options	$730.00
Colors	$0.00
Upfitting	$848.00
Fleet Discount	$0.00
Fuel Charge	$0.00
Destination Charge	$1,595.00
Subtotal	$52,688.00
Discount Adjustments	
Discount Adjustments	-$3,990.00
Total	$48,698.00

Customer Signature

Acceptance Date

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

Prepared for:
Village of Arlington Heights
Prepared by: Nic Cortellini
03/10/2025

Currie Motors Ford of Valpo | 2052 Morthland Drive Valparaiso Indiana | 463855439

2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515 | Quote ID: 2025-63632

Pricing Summary - Multiple Vehicles

Vehicle Quantity: 4

	MSRP
Vehicle Pricing	
Base Vehicle Price	$198,060.00
Options	$2,920.00
Colors	$0.00
Upfitting	$3,392.00
Fleet Discount	$0.00
Fuel Charge	$0.00
Destination Charge	$6,380.00
Subtotal	$210,752.00
Discount Adjustments	
Discount Adjustments	-$15,960.00
Total	$194,792.00

Customer Signature

Acceptance Date

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Approving the Purchase of a Case Side-Shift Backhoe for the Public Works & Engineering Department
Department: Public Works & Engineering

Item Description:
The approved 2025 Capital Budget includes $200,935 for replacing a backhoe used by the Utility and Maintenance Divisions of the Public Works and Engineering Department.

The current backhoe is used daily in Public Works to support daily and emergency operations. The backhoe is a critical piece of equipment for street and sidewalk repairs, emergency utility excavations, and winter maintenance activities. The current backhoe is now 21 years old and has reached the end of its service life. A thorough condition assessment conducted by Fleet Services technicians confirmed that it has exceeded its service life and is no longer suitable for department operations. If approved, the current backhoe will be surplused in accordance with Village policy.

Based on this assessment, staff proposes purchasing a Case 695SV side shift backhoe for $180,575. The side-shift backhoe is slightly larger than the existing unit, but the proposed unit has two new features that will enhance Public Works operations: larger load capacity and a backhoe boom that can shift laterally. A larger load capacity will allow Public Works operations to move and load more material than a standard backhoe, while the shifting boom will allow maintenance crews to excavate closer to walls, fences, and curbs.

Staff leveraged competitive pricing through the Sourcewell. Sourcewell is a joint purchasing cooperative similar to Northwest Municipal Conference that uses multiple government agencies and collaborative purchasing to obtain more competitive bid pricing. Staff regularly reviews multiple conferences and dealers to maximize savings for these types of vehicle purchases.

This year's awarded bidder is McCann Industries Inc. of Wauconda, Illinois. The Village works with McCann currently to support other Village-owned equipment and has found their services acceptable.

Funds are available for this purchase in Account No. 621-9003-55050 (VH9501).

RECOMMENDATION

It is recommended that the Village Board award McCann Industries Inc. of Wauconda, Illinois, the purchase of one Case 695SV side shift backhoe for a cost of $180,575, as authorized in the attached Resolution, and execute the necessary documents.

ATTACHMENTS:

1. 20250407_Sideshift_Backhoe_Purchase_Resolution_and_attachments

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE PURCHASE OF
SIDE SHIFT BACKHOE FOR PUBLIC WORKS & ENGINEERING DEPARTMENT
FROM MCCANN INDUSTRIES INC. OF WAUCONDA, ILLINOIS

WHEREAS, Article VII, Section 10 of the Constitution of the State of Illinois, and the Intergovernmental Cooperation Act, 5 ILCS 220/1 et seq., authorize and encourage intergovernmental cooperation; and

WHEREAS, the Village is a member of the Sourcewell Cooperative Purchasing Program (formerly NJPA), a joint purchasing cooperative that uses multiple government agencies and collaborative purchasing to obtain more competitive bid pricing; and

WHEREAS, the Village participates in Sourcewell which permits local governments to purchase commodities and services according to contracts negotiated by Soucewell, resulting in significant savings for the Village; and

WHEREAS, the Public Works Department has identified the need to purchase of a side shift backhoe; and

WHEREAS, the Sourcewell Cooperative sought bids for the award of the contract for the purchase of a side shift backhoe (*"Purchase Contract"*); and

WHEREAS, the Sourcewell Cooperative identified McCann Industries Inc. of Wauconda, Illinois, as the low responsible bidder for the Purchase Contract; and

WHEREAS, the Village now desires to purchase the side shift backhoe, in a total amount not to exceed $180,575; and

WHEREAS, the Village President and Board of Trustees have determined that it will serve and be in the best interest of the Village to purchase the side shift backhoe, from McCann Industries Inc., in a total amount not to exceed $180,575, in accordance with the Sourcewell Cooperative and the Purchase Contract;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF PURCHASE. The President and Board of Trustees hereby approve the contract for the purchase of side shift backhoe from McCann Industries Inc. of Wauconda, Illinois, in a total amount not to exceed $180,575, in accordance with Sourcewell Cooperative and the Purchase Contract, is hereby approved.

SECTION 3. EXECUTION OF REQUIRED DOCUMENTATION. The Village Manager and the Village Clerk are hereby authorized to execute and attest, on behalf of the Village, all documents necessary to complete the purchase authorized pursuant to Section 2 of this Resolution.

SECTION 4. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

AYES:

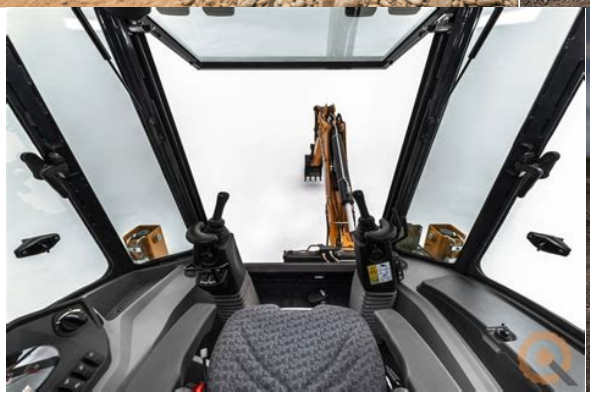
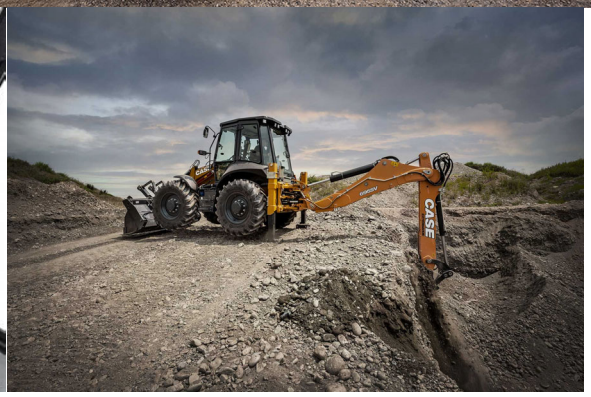
NAYS:

PASSED AND APPROVED THIS ___ day of _____, 2025.

_____
Village President

ATTEST:

_____
Village Clerk

Here's a new machine that's all about doing more.
It's the CASE 695SV Construction King™ Side Shift Backhoe Loader.
Start with the side shift configuration.
It's the answer when digging close to a structure.
It can also dig a rectangular trench without needing to move.
Huge time saver. It also features a tool carrier loader arm that lets it do double duty as a wheel loader,
meaning one less machine to bring along.
It gets traction in tough places with its 4WD, 4-Wheel Steer and 4 Equal-Sized Tires.
Plus, the features are plentiful – smooth Power-Shift Transmission, Pilot Backhoe Controls and more.
Because no job ever called for less.

Description – Factory Build Loader Backhoe Specs	***Factory List Price***
695SV SIDE SHIFT - LOADER BACKHOE	***$196,015***
16.9-28 R4 BIAS STD - FRONT TIRES - NC	
Backhoe Extendahoe > outer housing extends	***7,854***
Medium Front Counterweight	***344***
CASE INTEGRATED HYDRAULIC BUCKET COUPLER	***4,896***

BACKHOE BUCKET – H.D. 24 IN. (N) SERIES	*1,896*
Reversible Pads - NC	
6x1 Bucket w/Forks & Cut. Edge - NC	
Super Deluxe Seat	*1,125*
1 way / 2 way AUX Backhoe Hydraulics	*3,283*
LED Working Lights Package	*751*
No Loader Locking Valves - NC	
Rotating Beacon	*142*
Cold Weather Lubricants	*1,704*
No Loader Quick Coupler	
No Thumb Option	
OPERATOR'S MANUAL ENGLISH	
Comfort Steer	*990*
Total List	*$219,000*

Based on SOURCEWELL LIST PRICE less a (28%) DISCOUNT -- Contract #011723 - Valid until 04/14/2027

$219,000.00 – Case Factory List Pricing
(61,320.00) – Less 28% Contract Discount
$157,680.00 – Sub-Total
+ 1,870.00 – Factory Freight
+ 1,675.00 – Dealer Set-Up
+ 18,950.00 – (1) FRD F9 Model –Discounted from list $25,350.00
+ 400.00 – Local Delivery
$180,575.00 – Total Delivered Price

CASE CONSTRUCTION

695SV SIDE SHIFT

CONSTRUCTION KING TOOL CARRIER BACKHOE LOADER

TIER 4 FINAL CERTIFIED

ENGINE

Model	FPT F5BFL413A*B
Emissions Certification	Tier 4 Final
Type	Diesel 4-stroke, Turbocharged
Cylinders	4
Bore/Stroke	3.9 x 4.33 in (99 x 110 mm)
Displacement	207 in³ (3.4 L)
Fuel injection	Direct, high pressure common rail – HPCR
Fuel	Diesel
Engine speeds	RPM
Rated speed – full load	2200
Low idle	900 – 1100
High idle – no load	2320 – 2440
Horsepower @ 2200 RPM:	
Gross	110 hp (82 kW)
Net	108 hp (81 kW)
Maximum torque @ 1400 RPM:	
Gross	339 lb·ft (460 N·m)
Net	338 lb·ft (459 N·m)
Torque rise at rated speed	30% +/- 5%
Radiator:	
Core type	Square wave
Core size area	486 in² (3 145 cm²)
Rows of tubes	5
39° fan:	
Style	9 blade suction
Diameter	19.685 in (500 mm)
Ratio*	1.4:1
Pump operating angle ratings:	
Side to side	Rated 35°
Fore and aft	Rated 35°
Oil filtration	Replaceable, full flow cartridge

NOTE: Meets federal emission regulations.
*Viscous fan.

DRIVETRAIN

Transmission – standard:
4F - 3R Powershift H-Type transmission

Speed adjustable Auto Ride Control

Gear ratios	Forward/Reverse
1st	5.533/4.549
2nd	3.359/2.762
3rd	1.533/1.260
4th	0.811/—

Travel speeds – H-Type Powershift Transmission

	Forward mph (kph)	Reverse mph (kph)
1st	4.3 (6.9)	5.1 (8.3)
2nd	7.1 (11.4)	8.5 (13.7)
3rd	15.2 (24.5)	18.3 (29.4)
4th	26.3 (42.4)	—

Torque converter ratio	2.38
Limited Slip Differential	
Front/Rear axle:	
Differential ratio	2.75/2.75
Planetary hub ratio	6.92/6.92
Total reduction ratio	19.04/19.04

Service brakes:
Individually applied, power assisted, hydraulically actuated, maintenance-free, self-adjusting, outboard mounted, wet disc, 3 per side.
Total disc area 339 in² (1 092 cm²)

Parking brakes: Mechanically actuated wet brake pack on transmission output shaft

NOTE: Travel speeds w/ 16.9-28 tires.

ELECTRICAL

Voltage	12 Volts, negative ground
Alternator	120 amp
Dual Batteries	600 amp each
Power plugs – 1	30 amp

OPERATOR ENVIRONMENT

ROPS/FOPS certified protective cab; 2 door w/ heat, A/C, defroster, floor mat, Bluetooth radio, front and rear wiper; Interior rearview convex mirror; Mechanical suspension deluxe seat; 2 in (50 mm) retractable seat belt; Cup holder and storage trays positioned on the right side; and enclosed storage compartment on left side.

Gauges:
Engine coolant temperature; Converter oil temperature; Fuel level; Tachometer/ hourmeter; DEF level.

Warning lights:
Air cleaner restriction; Alternator; A/C high pressure; Cold start; Engine oil pressure; Hydraulic oil filter bypass; Parking brake engagement; Low fuel; Water in fuel; Low DEF.

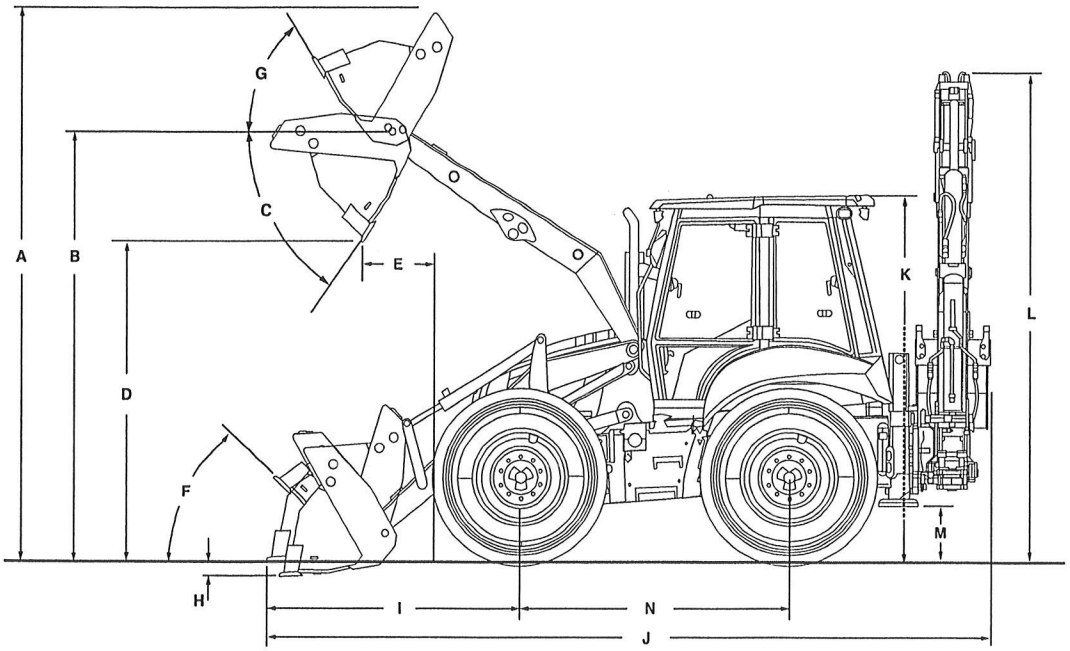
Audible alarms w/ diagnostics:
Coolant temperature; Engine oil pressure; Parking brake engagement; Converter oil temperature; Shuttle engagement/seat position; Backup alarm; Low DEF.

Horn: Dual switched front and rear

OPERATING WEIGHT

Operating Weight:
Cab, HVAC, 15' in-line cylinder Extendahoe backhoe, 6-IN-1 bucket with cutting edge, 24" backhoe bucket, light counterweight, hydraulic side shift, auto ride control and 480/80 R28 wheels.

22,245 lb (10 090 kg)



Line drawings are for illustrative purpose only and may not be exact representation of unit.

LOADER DIMENSIONS

	6 IN 1 Bucket	4 IN 1® Bucket
A. Overall operating height – fully raised	14 ft 9 in (4.50 m)	14 ft 9 in (4.50 m)
B. Bucket hinge pin fully raised	11 ft 5 in (3.48 m)	11 ft 5 in (3.48 m)
C. Dump angle at full height	55°	55°
D. Dump clearance at full height, 45° dump:		
Bucket	8 ft 7 in (2.61 m)	8 ft 7 in (2.61 m)
E. Dump reach at full height, 45° dump – from bumper:		
Bucket	1 ft 11 in (0.59 m)	1 ft 11 in (0.59 m)
Forks for 6 IN 1 bucket	7 ft 6 in (2.28 m)	7 ft 6 in (2.28 m)
Bucket rollback:		
F. @ Groundline	45°	45°
G. @ Full height	56°	56°
H. Digging depth below grade:		
Bucket flat	5.5 in (139 mm)	5.5 in (139 mm)
I. Reach from front axle centerline – bucket on ground	6 ft 9 in (2.06 m)	6 ft 9 in (2.06 m)
Lift capacity to full height – calculated values	6,779 lb (3 075 kg)	6,779 lb (3 075 kg)
Breakout force:		
Lift cylinders	7,949 lbf (3 536 daN)	7,949 lbf (3 536 daN)
Dump cylinders	12,358 lbf (5 497 daN)	12,358 lbf (5 497 daN)
Raising time to full height	3.3 sec	3.3 sec
Bucket dumping time	2.3 sec	2.3 sec
Lowering time:		
Power down	2.7 sec	2.7 sec
Clam:		
Open time	1.9 sec	1.9 sec
Close time	1.4 sec	1.4 sec

NOTE: Loader dimensions taken with 440/80-R28 tires.

DIMENSIONS

	Side Shift Backhoe with 440/80-R28 tires
J. Overall transport length	19 ft 5 in (5.90 m)
Overall transport width	8 ft 2 in (2.48 m)
Height:	
K. To top of cab	9 ft 9 in (2.96 m)
L. Transport	13 ft 2 in (4.01 m)
M. Ground clearance at backhoe frame	15.7 in (398 mm)
Angle of departure	27°
N. Wheelbase:	
440/80-R28 tires	7 ft 3 in (2.20 m)

BACKHOE LIFT CAPACITIES

	In-Line Cylinder Backhoe		Overlapping Cylinder Backhoe	
	Retracted	Extended	Retracted	Extended
Boom Lift	Lift Capacity lb (kg)	Lift Capacity lb (kg)	Lift Capacity lb (kg)	Lift Capacity lb (kg)
+16 ft (4.87 m)	2,918 (1 326)	2,219 (1 008)	—	2,633 (1 197)
+14 ft (4.27 m)	3,434 (1 561)	2,401 (1 091)	3,967 (1 803)	2,662 (1 210)
+12 ft (3.66 m)	3,526 (1 603)	2,462 (1 119)	3,881 (1 764)	2,638 (1 199)
+10 ft (3.05 m)	3,485 (1 584)	2,492 (1 133)	3,681 (1 673)	2,581 (1 173)
+8 ft (2.44 m)	3,181 (1 446)	2,462 (1 119)	3,489 (1 586)	2,504 (1 138)
+6 ft (1.83 m)	2,989 (1 358)	2,361 (1 073)	3,311 (1 505)	2,416 (1 098)
+4 ft (1.22 m)	2,887 (1 312)	2,300 (1 045)	3,148 (1 431)	2,330 (1 059)
+2 ft (0.61 m)	2,837 (1 289)	2,269 (1 032)	2,999 (1 363)	2,253 (1 024)
Ground Level	2,857 (1 299)	2,269 (1 032)	2,860 (1 300)	2,198 (999)
-2 ft (0.61 m)	2,928 (1 331)	2,310 (1 050)	2,730 (1 241)	2,171 (987)
-4 ft (1.22 m)	2,867 (1 303)	2,330 (1 059)	2,611 (1 187)	2,189 (995)
-6 ft (1.83 m)	2,827 (1 285)	2,320 (1 055)	2,501 (1 137)	2,281 (1 037)
-8 ft (2.44 m)	2,806 (1 276)	2,330 (1 059)	2,400 (1 091)	2,372 (1 078)
-10 ft (3.05 m)	2,867 (1 303)	2,361 (1 073)	2,306 (1 048)	2,521 (1 146)
-12 ft (3.66 m)	3,303 (1 501)	2,452 (1 114)	2,295 (1 043)	2,739 (1 245)
-14 ft (4.27 m)	—	2,685 (1 220)	—	—
-15 ft (4.57 m)	—	3,870 (1 759)	—	—
Dipper Lift				
+14 ft (4.27 m)	—	3,120 (1 418)	—	2,497 (1 135)
+12 ft (3.66 m)	4,062 (1 846)	3,049 (1 386)	5,113 (2 324)	3,029 (1 377)
+10 ft (3.05 m)	3,917 (1 780)	3,009 (1 368)	5,958 (2 708)	3,368 (1 531)
+8 ft (2.44 m)	3,958 (1 799)	3,039 (1 382)	6,637 (3 017)	3,659 (1 663)
+6 ft (1.83 m)	4,228 (1 922)	3,141 (1 428)	7,478 (3 399)	3,962 (1 801)
+4 ft (1.22 m)	5,015 (2 280)	3,394 (1 543)	10,144 (4 611)	4,360 (1 982)
+2 ft (0.61 m)	—	3,860 (1 755)	—	—
Ground Level	—	4,559 (2 072)	—	—

NOTE: Boom and Dipper Lift Capacities are rated per SAE J31 and are 87% of the maximum hydraulic lift force available with the specified options.

BACKHOE OPERATIONAL DATA

	In-Line Cylinder Backhoe		Overlapping Cylinder Backhoe	
	Retracted	Extended	Retracted	Extended
Digging depth:				
Maximum	15 ft 4 in (4.67 m)	19 ft 4 in (5.88 m)	15 ft 7 in (4.75 m)	19 ft 7 in (5.97 m)
2 ft (610 mm) flat bottom	15 ft 2 in (4.63 m)	19 ft 2 in (5.85 m)	15 ft 6 in (4.72 m)	19 ft 6 in (5.93 m)
8 ft (2.44 m) flat bottom	14 ft 1 in (4.29 m)	18 ft 4 in (5.59 m)	14 ft 5 in (4.38 m)	18 ft 8 in (5.68 m)
Overall reach from swing pivot	19 ft 2 in (5.83 m)	22 ft 10 in (6.97 m)	19 ft 5 in (5.93 m)	23 ft 3 in (7.09 m)
Loading height	12 ft 8 in (3.87 m)	15 ft 1 in (4.60 m)	13 ft 5 in (4.10 m)	16 ft 10 in (5.12 m)
Loading reach	6 ft 3 in (1.90 m)	9 ft 5 in (2.88 m)	2 ft 10 in (0.88 m)	4 ft 8 in (1.43 m)
Swing arc	180°	180°	180°	180°
Bucket rotation – speed hole	203°	203°	198°	198°
Digging force:				
Bucket cylinder – SAE rated 3,050 psi	13,418 lb (5 971 daN)	13,418 lb (5 971 daN)	13,739 lb (6 114 daN)	13,739 lb (6 114 daN))
Dipper cylinder – SAE rated 3,050 psi	7,547 lb (3 358 daN)	5,368 lb (2 389 daN)	7,555 lb (3 362 daN)	5,437 lb (2 420 daN)

NOTE: Lift capacities apply straight to the rear of prime mover. 4WD with 440/80-R28 tires and equipped with 36 in (914 mm) heavy-duty bucket except as noted.

Raymond Salisbury

From: Dennis Tovar <dtovar@mccannonline.com>
Sent: Tuesday, February 25, 2025 6:00 AM
To: Raymond Salisbury
Cc: Mike Hart
Subject: Preliminary Proposal - Village of Arlington Hts. PWs - Case 695SV Loader Backhoe
Attachments: CASE 695SV Side Shift Loader Backhoe - Specs.pdf

[**STOP - LOOK - Think - Decide:** This email originated from outside of the Village.]

Mr. Salisbury,

We appreciate the opportunity to provide you with this preliminary proposal for (1) New CASE 695SV Side-Shift Loader Backhoe.
Please note: there are (2) ways to configure the Dipper:

1. **With an External Sliding Extendahoe and a slightly straighter Boom > the Integrated Hydraulic Bucket Quick Coupler can be ordered here.**
2. **With an Internal Sliding Extendahoe with the Curved Boom > a Mechanical Bucket Quick Coupler is the option here.**

I have configured this proposal with the External Slide, as shown in the 4th pic below. > ***please review these backhoe options far below.***

Please let me know of any questions, additions, or deletions.

Respectfully,
Dennis Tovar – Territory Manager / Heavy Equipment Group
Mobile: (630) 774-8830 | Email: dtovar@mccannonline.com
McCann Industries Inc., 1350 N. Rand Rd. / Wauconda, IL 60084
WAUCONDA - ADDISON and Bolingbrook Equipment Parts and Service Centers
Mike Hart, Wauconda Service Manager / Dir. Line 815-528-9175
Rob Leo, Parts Manager / Dir. Line 815-528-9176
Steve Rosacker, Product Support Manager / M. 224-833-6177

mccann Serving the Constructor · CASE CONSTRUCTION · KOBELCO · BOMAG FAYAT GROUP · BUCHER municipal · TAKEUCHI · FRD

Super Deluxe Seat	*1,125*
1 way / 2 way AUX Backhoe Hydraulics	*3,283*
LED Working Lights Package	*751*
No Loader Locking Valves - NC	
Rotating Beacon	*142*
Cold Weather Lubricants	*1,704*
No Loader Quick Coupler	
No Thumb Option	
OPERATOR'S MANUAL ENGLISH	
Comfort Steer	*990*
Total List	*$219,000*

Based on SOURCEWELL LIST PRICE less a (28%) DISCOUNT -- Contract #011723 - Valid until 04/14/2027

$219,000.00 – Case Factory List Pricing
(61,320.00) – Less 28% Contract Discount
$157,680.00 – Sub-Total
+ 1,870.00 – Factory Freight
+ 1,675.00 – Dealer Set-Up
+ 18,950.00 – (1) FRD F9 Model –Discounted from list $25,350.00
+ 400.00 – Local Delivery
$180,575.00 – Total Delivered Price

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Approving the Purchase of a Small Articulated Loader for the Public Works & Engineering Department

Department: Public Works & Engineering

Item Description:
The approved 2025 Capital Budget includes $202,717 for replacing a wheel loader used by the Utility and Maintenance Divisions of the Public Works and Engineering Department.

The current wheel loader is used daily in Public Works operations to move and load materials at the Village's annex. The loader is now 25 years old and has reached the end of its life. A thorough condition assessment conducted by Fleet Services technicians confirmed that it has exceeded its service life and is no longer suitable for department operations.

Based on this assessment, staff proposes the purchase of a Case SL35 articulated loader for $121,958. While this articulating loader is smaller than the department's current wheel loader with slightly decreased load capacity, the department will gain flexibility and versatility from this proposed equipment.

Due to its size, the existing wheel loader is used exclusively in the public works annex on Davis Street. The small articulated loader will be able to be easily transported between the annex, the Public Works facility, and job sites as needed. Further, the small articulated loader offers greater versatility beyond just moving and loading materials. The proposed loader will be utilized for snow removal and landscaping operations, enhancing its overall value and functionality to the Department.

Staff leveraged competitive pricing through Sourcewell. Sourcewell is a joint purchasing cooperative similar to Northwest Municipal Conference that uses multiple government agencies and collaborative purchasing to obtain more competitive bid pricing. Staff regularly reviews multiple conferences and dealers to maximize savings for these types of vehicle purchases.

This year's awarded bidder is McCann Industries Inc. of Wauconda, Illinois. The Village works with McCann currently to support other Village-owned equipment and has found their services acceptable.

Funds are available for this purchase in Account No. 621-9003-550050 (VH9501)

Recommendation

It is recommended that the Village Board award McCann Industries Inc. of Wauconda, Illinois, the purchase of one Case SL35 small articulated loader for a value of $121,958, as authorized in the attached Resolution, and execute the necessary documents.

ATTACHMENTS:

1. 20250407_Small_Articulated_Loader_Purchase_Resolution_and_attachment

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE PURCHASE OF
SMALL ARTICULATED LOADER FOR PUBLIC WORKS & ENGINEERING DEPARTMENT
FROM MCCANN INDUSTRIES INC. OF WAUCONDA, ILLINOIS

WHEREAS, Article VII, Section 10 of the Constitution of the State of Illinois, and the Intergovernmental Cooperation Act, 5 ILCS 220/1 et seq., authorize and encourage intergovernmental cooperation; and

WHEREAS, the Village is a member of the Sourcewell Cooperative Purchasing Program (formerly NJPA), a joint purchasing cooperative that uses multiple government agencies and collaborative purchasing to obtain more competitive bid pricing; and

WHEREAS, the Village participates in Sourcewell which permits local governments to purchase commodities and services according to contracts negotiated by Soucewell, resulting in significant savings for the Village; and

WHEREAS, the Public Works Department has identified the need to purchase of a small articulated loader; and

WHEREAS, the Sourcewell Cooperative sought bids for the award of the contract for the purchase of a small articulated loader; and

WHEREAS, the Sourcewell Cooperative identified McCann Industries Inc. of Wauconda, Illinois, as the low responsible bidder for the Purchase Contract; and

WHEREAS, the Village now desires to purchase the small articulated loader, in a total amount not to exceed $121,958; and

WHEREAS, the Village President and Board of Trustees have determined that it will serve and be in the best interest of the Village to purchase the small articulated loader, from McCann Industries Inc., in a total amount not to exceed $121,958, in accordance with the Sourcewell Cooperative and the Purchase Contract;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF PURCHASE. The President and Board of Trustees hereby approve the contract for the purchase of small articulated loader from McCann Industries Inc. of Wauconda, Illinois, in a total amount not to exceed $121,958, in accordance with Sourcewell Cooperative and the Purchase Contract, is hereby approved.

SECTION 3. EXECUTION OF REQUIRED DOCUMENTATION. The Village Manager and the Village Clerk are hereby authorized to execute and attest, on behalf of the Village, all documents necessary to complete the purchase authorized pursuant to Section 2 of this Resolution.

SECTION 4. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

AYES:

NAYS:

PASSED AND APPROVED THIS ___ day of _____, 2025.

_____
Village President

ATTEST:

_____
Village Clerk

The CASE SL35 TR is designed to help you feast on all kinds of jobs.
It boasts an operating weight of 8,818 lbs., lifting capacity of 5,500 lbs. (telescopic boom retracted)
and kicks out 65 hp – big output for its class.
It wastes little time at a site, with travel speeds of up to 18.6 mph.
This model has a telescopic boom that reaches nearly 170 in., making taller stacking and offloading heights attainable.
And with the optional 14-pin electric connector, you have the attachment capabilities of a larger machine,
along with the working abilities of a larger outfit.

NOTE: Road Lights*
Additional lights for roading applications. Halogen lamps mounted on front chassis structure with high and low beams, amber turn signals, brake lamps, and steering column controls.

Description – Factory Build – Small Articulated Loader Specs	***Factory List Price***
CASE SL35 TR Small Articulated Loader	***$119,218***
Enclosed Cab w/ HVAC	***16,203***
Heated Air Ride Seat	***272***
1X Hyd Function, Joystick – NC	***-***
Continuous One-Way Hyd. Flow	***3,757***
Ride Control	***2,726***
Boom 2 Work Light	***413***
Creep Control - Pro Inching	***1,508***
Pressureless Return	***228***
Tires - 37.7x19.7-20 Ag Style Tread - NC	
Dirt Bucket - SSL - 67 in - NC	

Pallet Fork - GA 400 - SSL - NC	
Fork Length: 39 in. Capacity: 7,716 lbs.	
No Eagle Claw Add-on - NC	
Operators Manual English - NC	
Hydraulic Aux Detent	*292*
High Flow Front	*3,933*
No Beacon Light	
Strobe Light - 4-Corner LED Strobe Lights	*920*
Road Lights – see note (above)	*2,817*
SAE Coupler - NC	
Total List	*$152,287*

Based on SOURCEWELL LIST PRICE less a (22%) DISCOUNT -- Contract #011723 - Valid until 04/14/2027

$152,287.00 – Case Factory List Pricing
(33,504.00) – Less 22% Contract Discount
$118,783.00 – Sub-Total
+ 1,300.00 – Factory Freight
+ 1,675.00 – Dealer Set-Up
+ 200.00 – Local Delivery
$121,958.00 – Total Delivered Price

TELESCOPING BOOM

The SL35 TR features a telescoping arm for added reach when loading trucks or moving material from high areas.

BIG POWER

65 hp and a lifting capacity of 5,500 lbs. (telescopic boom retracted) means you have plenty of job-crushing muscle on tap when you need it.

AVAILABLE CAB WITH HVAC

Optional HVAC gives the operator the ultimate environment to work in – winter, spring, summer and fall.

SUPERIOR VISIBILITY AND TRAVEL SPEEDS

Get behind the wheel of the SL35 TR and you'll be impressed with what you see and how fast it will get you from A to B.

FORWARD ARTICULATION

Unlike competitive units with front articulation, the SL35 TR puts the operator station on the rear section, allowing for larger cab size and easier entry/exit.
It also allows the operator to work alongside walls and see where the machine is going.
On top of that, it makes the cab more stable with zero cab swing compared to others with forward articulation.

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Approving the Purchase of a Floor Scrubber for the Public Works & Engineering Department
Department: Public Works & Engineering

Item Description:
The Public Works and Engineering Department uses a riding floor scrubber necessary for cleaning the Public Works facility, the Police facility, and all four parking structures. The scrubber is essential for the parking garages as they are all extremely high-traffic areas that need regular cleaning of seasonal dirt, debris, road salt, and fluids that accumulate on the concrete surfaces within those structures.

In the summer of 2024, the Department's 10-year-old scrubber suffered a critical system failure, requiring it to be sent to the original supplier for evaluation and repair. After a thorough assessment, the supplier determined that essential replacement components were no longer manufactured, making repairs impossible. Additionally, the Village's Auto Technicians confirmed that the equipment was obsolete and could not be restored to an effective operational status. If approved, the current floor scrubber will be surplused in accordance with Village policy.

To replace the non-functional equipment, staff proposes purchasing a new riding floor scrubber, an Advance SC8000 Rider Scrubber, through the Houston-Galveston Area Council (H-GAC). H-GAC is a joint purchasing cooperative similar to Northwest Municipal Conference that uses multiple government agencies and collaborative purchasing to obtain more competitive bid pricing. Staff regularly reviews multiple conferences and dealers to maximize savings for these equipment purchases.

This year's awarded bidder for riding floor scrubbers is Nilfisk of Brooklyn Park, Minnesota. The Village has purchased from Nilfisk in the past and found their equipment satisfactory.

While this is an unplanned, non-budgeted replacement, funds are available in Account No. 621-9003-550050 (VH9501) from savings realized for other vehicle and equipment purchases earlier this year. If approved, the scrubber will be re-allocated for replacement in 2038.

RECOMMENDATION

It is recommended that the Village Board award Nilfisk of Brooklyn Park, Minnesota, the purchase of one Advance SC8000 Rider Scrubber for a cost of $59,115.20, as authorized in the attached Resolution, and execute the necessary documents.

ATTACHMENTS:

1. 20250407_Floor_Scrubber_Purchase_Resolution_and_attachment

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION APPROVING THE AWARD OF A CONTRACT
FOR THE PURCHASE OF A RIDING FLOOR SCRUBBER
TO NILFISK OF BROOKLYN PARK, MINNESOTA

WHEREAS, the Village sought bids for the award of a contract for purchase of a riding floor scrubber (*"Contract"*); and

WHEREAS, Nilfisk, of Brooklyn Park, Minnesota (*"Contractor"*), was the lowest responsible and responsive bidder of the firms that submitted bid packages to the Village for the Contract; and

WHEREAS, the Village President and Board of Trustees have determined that entering into the Contract with Contractor will serve and be in the best interest of the Village and its residents;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF CONTRACT. The Board of Trustees hereby approves the Contract by and between the Village and Contractor, in substantially the form attached to this Resolution as Exhibit A, and in a final form and substance acceptable to the Village Administrator and Village Attorney.

SECTION 3. EXECUTION OF CONTRACT. The Village Manager and the Village Clerk are hereby authorized and directed to execute and attest, on behalf of the Village, the Contract upon receipt by the Village Clerk of at least one original copy of the Contract executed by Contractor; provided, however, that if the executed copy of the Contract is not received by the Village Clerk within 30 days after the effective date of this Resolution, then this authority to execute and attest will, at the option of the President and Board of Trustees, be null and void.

SECTION 4. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

AYES:

NAYS:

PASSED AND APPROVED THIS ___ day of _____, 20__.

_____
Village President

ATTEST:

_____
Village Clerk

EXHIBIT A

CONTRACT

HGACBuy	CONTRACT PRICING WORKSHEET For Standard Equipment Purchases	Contract No.:	SW04-20	Date Prepared:	3/10/2025

This Worksheet is prepared by Contractor and given to End User. If a PO is issued, both documents <u>MUST</u> be faxed to H-GAC @ 713-993-4548. Therefore please type or print legibly.

Buying Agency:	Village of Arlington Heights	**Contractor:**	Nilfisk, Inc.
Contact Person:	Ray Salisbury	**Prepared By:**	Tina Barthel
Phone:	847-368-5850	**Phone:**	763-203-3119
Fax:		**Fax:**	
Email:	rsalisbury@vah.com	**Email:**	tbarthel@nilfisk.com

Product Code:	**SW04-20E06**	**Description:**	**SC8000 (Industrial Series) - Propane: scrubber; engine: 55 hp Kubota 1.6 L propane; solution tank**

A. Product Item Base Unit Price Per Contractor's H-GAC Contract: 52864

B. Published Options - Itemize below - Attach additional sheet if necessary - Include Option Code in description if applicable
(Note: Published Options are options which were submitted and priced in Contractor's bid.)

Description	Cost	Description	Cost
Upgrade to 62" - SC800062	4366	Suspension seat, adjustable back, right arm rest and seat belt -	492.2
Upgrade to Side broom, polypropylene, (standard), indoor/	107	(in lieu of standard) - 56111535	
outdoor all-purpose broom - 56477812		Recovery tank clean out port kit - 56111280	102
Upgrade to Side broom, polypropylene, (standard), indoor/	107	Recovery tank debris cage kit - 56111607	182
outdoor all-purpose broom - 56477812			
Warning beacon kit, strobe, amber (for use without OHG)	304		
56110907			
Onboard wash hose kit - 56111346	591		
		Subtotal From Additional Sheet(s):	
		Subtotal B:	6251.2

C. Unpublished Options - Itemize below - Attach additional sheet if necessary
(Note: Unpublished options are items which were not submitted and priced in Contractor's bid.)

Description	Cost	Description	Cost
		Subtotal From Additional Sheet(s):	
		Subtotal C:	0

Check: Total cost of Unpublished Options (C) cannot exceed 25% of the total of the Base Unit Price plus Published Options (A+B). **For this transaction the percentage is:** 0%

D. Total Cost before any other applicable Charges, Trade-Ins, Allowances, Discounts, Etc. (A+B+C)

Quantity Ordered:	1	**X Subtotal of A + B + C:**	59115.2	=	**Subtotal D:**	59115.2

E. Other Charges, Trade-Ins, Allowances, Discounts, Etc.

Description	Cost	Description	Cost
Nilfisk Part #56108148			
		Subtotal E:	0

Delivery Date:	**TBD**	**F. Total Purchase Price (D+E):**	59115.2

SC8000™

Rider Scrubbers

Kubota® Engine Powered

Available with ecoflex™ system

Advance by Nilfisk

SC8000™ available with EcoFlex™ System

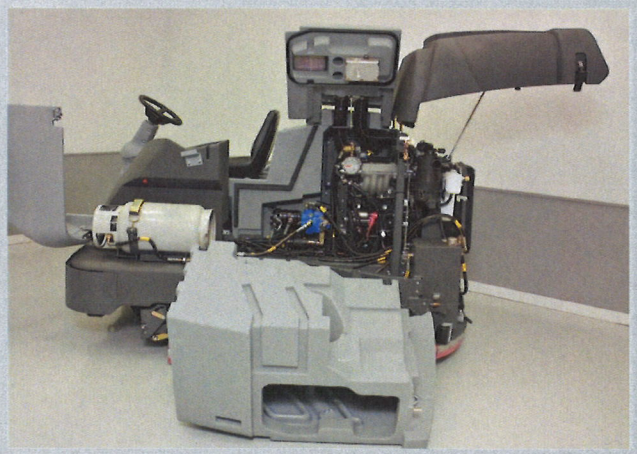
The Advance SC8000™ rider scrubber is the definition of innovative and optimized design. This maneuverable front steer scrubber houses the widest cylindrical scrub deck in its class. This deck's dual counter-rotating cylindrical brushes are capable of sweeping and scrubbing in a single pass. DustGuard™ suppresses and controls dust using a "fog" at the side broom. Using Advance's One-Touch™, the entire scrub system is activated simply by the press of a button.

Four different cleaning systems allow you to customize the scrubber to your facility's needs. Cleaning paths up to 62 inches are available on the SC8000. This coupled with the efficiently packaged 100 gallon solution tank delivers the capability of cleaning up to 100,000 square feet per tankful under normal scrubbing speeds.

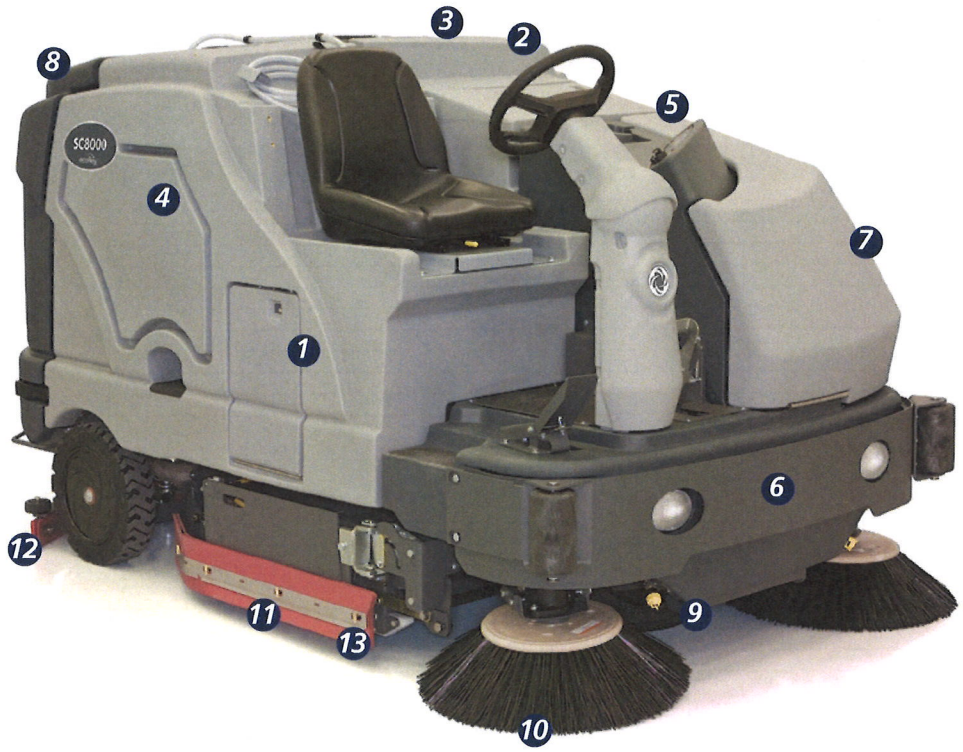
The Advance SC8000's design has set the bar in productivity, serviceability, safety, and ease of use.

The Clear-View™ machine design provides excellent sight lines to the floor from the comfort and safety of the operator's seat.

DustGuard™ suppresses airborne fugitive dust allowing continuous use, and increasing productivity by up to 71%.



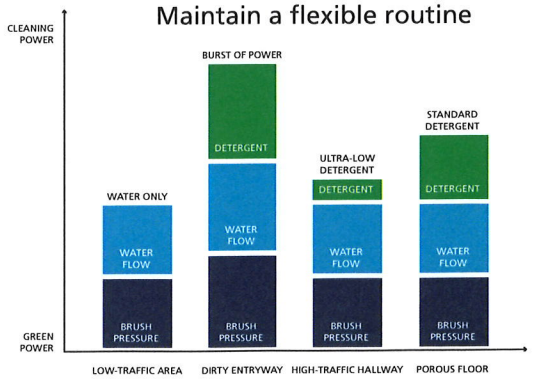
MaxAccess™ design provides 360 degree access to machine components.



1. *EcoFlex™ System provides 5 gallons of chemical or up to 2.5 gallons of two chemicals*
2. *Extended scrub option provides maximum run time and minimal water use*
3. *Tip-out / lift-off recovery tank*
4. *High capacity 100 gallon solution and recovery tanks for extended run times and productivity*
5. *Ergonomic cockpit and simple controls with Clear-View™ sight lines and safety*
6. *Heavy-duty front bumper*
7. *Convenient and simple LP tank replacement – also available in diesel*
8. *Engine hood provides superior access for service*
9. *Front steering provides maneuverability and intuitive operation*
10. *62 inch cleaning path with dual side broom*
11. *Wide 48 inch counter-rotating dual cylindrical scrub deck sweeps and scrubs in one pass*
12. *Break-away squeegee with Tools-free replaceable blades*
13. *Tools-free replaceable side skirts*

General Warehouses Beverage Distribution
Distribution Centers **Food Processors**
Manufacturing Plants Wholesalers and Aircraft Hangers

ecoflex™ system



Green

EcoFlex elevates green cleaning to a new standard – one that promotes good health and hygiene in addition to environmental sustainability. Efficient operation reduces all of the environmental impacts in cleaning—from the obvious (water, detergent) to the not-so-obvious (machine run-time and energy use).

Clean

Maintaining a clean, healthy indoor environment for you and the people in your building is hassle-free with EcoFlex. Detergent use, pad pressure and flow rate are right at your fingertips. Operators won't have to hesitate to make adjustments for higher sanitary standards, different surface types or unexpected cleaning challenges.

Cost-efficient

Flexibility means doing more with one machine. You'll save time, use fewer machines, and reduce water and detergent costs. Today's increasing demands for cost efficiency are tough to meet. Now you can do more with less.

Technical Specifications

Models	SC8000™ 48	SC8000™ 60	SC8000™ 62
Cleaning System			
Scrub Deck	48 in (122 cm) dual cylindrical		
Side Scrub/Sweep	–	Right side scrub	Dual side brooms with DustGuard™
Cleaning Path	48 in (122 cm)	60 in (152 cm)	62 in (157 cm)
Brush Pressure	Variable up to 400 lb (181 kg)		
Brush RPM	470 RPM		
Solution Tank	100 gal (378 L)		
Recovery Tank - Tip Out/Lift Off	100 gal (378 L)		
Debris Hopper	1.5 ft³ (42 L)		
Detergent Dispensing System	Available		
Extended Scrub System	Available		
Max Productivity @ 3.5 mph	73,900 ft²/hr (6,900 m²/hr)	92,400 ft²/hr (8,600 m²/hr)	95,500 ft²/hr (8,900 m²/hr)
Power System			
Engine - LP	Type - 55 hp 1.6 L Kubota		
Gradeability - Cleaning	7° / 12%		
Gradeability - Transport	9° / 16%		
Transport Speed	8 mph (12.9 km/hr) forward / 3 mph (4.8 km/hr) reverse		
Dimensions, Etc.			
Length	100 in (254 cm)		
Width	59 in (150 cm) frame & squeegee / 66 in (168 cm) with right side scrub		
Height w/o Overhead Guard	58 in (147 cm)		
Height with Overhead Guard	84 in (213 cm)		
Minimum Aisle Turn Width	119 in (302 cm) both directions	130 in (330 cm) left 170 in (432 cm) right	119 in (302 cm) both directions
Weight	3,300 lb (1,497 kg) dry; 4,200 lb (1,905 kg) gross vehicle weight – maximum machine only (no options)		
Certifications	ETL		

Specifications are subject to change without notice.

Accessories and Options

- Wash hose*
- Under hood light
- Seat belt
- Fire extinguisher
- Warning beacon
- Vac wand
- Back-up alarm
- Rear bumper
- Overhead guard
- Dual armrest
- Brake/signal kit
- Corner rollers
- Foot guard
- Extended scrub*
- DustGuard™*
- EcoFlex™ System*
- Recovery debris tray*
- Recovery tank clean-out port*
- Auto solution fill/shut-off*

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- Gear-driven valve train eliminates timing belts or chains, improving reliability and reducing maintenance costs

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VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Approving the Purchase of the LED Street Light Fixtures 2025
Department: Public Works & Engineering

Item Description:
The Village of Arlington Height's Capital plan includes $64,000 for the conversion of non-efficient lighting to Light Emitting Diodes (LED's) wherever possible. The Village plans to replace all 3,433 street lights over the 8-year program, which began in 2018.

To date, there are 702 remaining street lights which need to be converted to LED's, which includes the 250 fixtures to be changed this year.

The Village developed and advertised a public bid for this year's project. This bid was designed to provide competitive pricing for materials that Staff will install. The 250 street lights proposed for replacement are rated at 250 watts each, including a transformer. The proposed lights are only 130 watts each. The Village has submitted the necessary paperwork for ComEd's Efficiency Rebate Program and anticipate a rebate of $48,990 which covers about 68% of the Village's costs.

On March 13,2025, five bids were publicly opened and read aloud, and the bid results are listed below:

BIDDER	TOTAL BID PRICE (For 250 Units)	UNIT PRICE (If additional purchases)
Graybar Electric	$63,250	$290
Active Electrical Supply	$63,845	$300
Steiner Electric	$65,000	$260
Midgard Enterprises LLC	$68,000	$312
Dominion Lighting Inc.	$70,500	$282
Northwest Electrical Supply	N/A	N/A

The lowest bidder was Graybar Electric of Glendale Heights, Illinois, with a total bid cost of $63,250. Staff has been satisfied with past purchases through Graybar Electric and their bid meets specifications.

Funding is available in Account No. 401-7101-550300 (ST1901) for this purchase.

RECOMMENDATION

It is recommended that the Village Board award the 2025 LED Street Lighting bid to Graybar Electric of Glendale Heights, Illinois, per unit bid prices, and not-to-exceed amount of $63,250 as authorized in the attached Resolution and execute the necessary documents.

ATTACHMENTS:

1. 20250407_LED_Street_Light_Fixtures_2025_Resolution_and_attachment

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION APPROVING THE AWARD OF A CONTRACT FOR LED STREET LIGHT FIXTURES 2025, TO GRAYBAR ELECTRIC OF GLENDALE HEIGHTS, ILLINOIS

WHEREAS, the Village sought bids for the award of a contract for LED street light fixtures 2025 (*"Contract"*); and

WHEREAS, Graybar Electric of Glendale Heights, Illinois (*"Contractor"*), was the lowest responsible and responsive bidder of the firms that submitted bid packages to the Village for the Contract; and

WHEREAS, the Village President and Board of Trustees have determined that entering into the Contract with Contractor will serve and be in the best interest of the Village and its residents;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF CONTRACT. The Board of Trustees hereby approves the Contract by and between the Village and Contractor, in substantially the form attached to this Resolution as Exhibit A, and in a final form and substance acceptable to the Village Administrator and Village Attorney.

SECTION 3. EXECUTION OF CONTRACT. The Village Manager and the Village Clerk are hereby authorized and directed to execute and attest, on behalf of the Village, the Contract upon receipt by the Village Clerk of at least one original copy of the Contract executed by Contractor; provided, however, that if the executed copy of the Contract is not received by the Village Clerk within 30 days after the effective date of this Resolution, then this authority to execute and attest will, at the option of the President and Board of Trustees, be null and void.

SECTION 4. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

AYES:

NAYS:

PASSED AND APPROVED THIS ___ day of _____, 20__.

_____
Village President

ATTEST:

_____
Village Clerk

Village of Arlington Heights

33 South Arlington Heights Road
Arlington Heights, Illinois 60005
847-368-5000
www.vah.com

NOTICE OF AWARD

Graybar Electric Company
1 Pierce Place Suite 800
Itasca, IL 60143

April 7, 2025

Project Description: Furnishing of Streetlight LED Fixtures

The Village of Arlington Heights has considered the proposal submitted by your Company for the above-described work in response to its INVITATION FOR BIDS opened March 13, 2025.

YOU ARE HEREBY NOTIFIED that your proposal/bid has been accepted by the Village Board on April 7, 2025 for items and services for the amount of: **Sixty-Three Thousand, Two Hundred Fifty Dollars and 00/100ths ($63,250.00).**

You are required to execute the Contract Documents and provide necessary Insurance documentation within Fifteen (15) days from the date of this Notice to you.

If you fail to execute said Contract within Fifteen (15) days from the date of this Notice, said Owner will be entitled to consider all your rights arising out of the Owner's acceptance of your proposal as abandoned and the Owner will be entitled to such other rights as may be granted by law. Please return signed contracts to Lisa Subrin.

You are required to return an acknowledged copy of this Notice of award to the Village, with two signed copies of the contract.

Dated this 7th day of April, 2025

Village of Arlington Heights

By: _____

Lisa Subrin, Purchasing Coordinator

Acceptance of Notice

Receipt of the above Notice of Award is acknowledged by Graybar Electric Company this _____ of April (month), 2025.

By: _____

Title: _____

VILLAGE OF ARLINGTON HEIGHTS
CONTRACT

This Agreement is made and entered into this 7th day of April, 2025, between the Village of Arlington Heights "Village" and Graybar Electric Company, "Vendor."

In consideration of the mutual benefits that will result to the parties in carrying out the terms of this Agreement, the parties agree as follows:

1. The Vendor agrees to do all the work, furnish all materials and all labor necessary to complete the work in full compliance with all of the terms of this agreement and the proposed specifications and the requirements of the Director under it;
2. The Village agrees to pay the Vendor based on unit prices for completion of the work in accordance with the bid documents;
3. It is understood and agreed that the Bid Documents, Specifications, Addenda, and the Bidder's response are all essential documents for the Furnishing of Streetlight LED Fixtures Bid. They are attached and hereby made part of this agreement.

IN WITNESS WHEREOF, the Parties have executed this Agreement on the date indicated above.

Attest: Village of Arlington Heights

_____ By:_____
Clerk
(Seal) Title: _____

Date:_____

Attest:

Bidder:

By:_____

_____ Title:_____
Notary
(Seal) Date:_____

Subscribed & sworn before me this _____day of _____2025.

VILLAGE OF ARLINGTON HEIGHTS
FINANCE DEPARTMENT, PURCHASING DIVISION
33 S. ARLINGTON HEIGHTS ROAD

BID SPECIFICATIONS AND CONTRACT DOCUMENTS

FURNISHING OF STREETLIGHT LIGHT EMITTING DIODE (LED) FIXTURES

Required for Use by:	Village of Arlington Heights- Public Works
Bid Deposit:	N/A
Performance Bond:	N/A
Pre-Bid Meeting:	N/A
Date and Time Bids Due:	Thursday March 13, 2025 at 10:00 am
Date and Time of Bid Opening:	Thursday March 13, 2025 at 10:00 am
Project Contact:	Steve Mullany- Public Works- 847-368-5800
Purchasing Coordinator:	Lisa Subrin, lsubrin@vah.com, 847-368-5509

The Village of Arlington Heights is transitioning to a Bid Management System:

*** Instructions on How to Register & Submit a Bid are in the attachments in Vendor Self Service.**
*** It is imperative that you register as a vendor and be logged in PRIOR TO VIEWING the Bid Documents. This is the only way to connect you to the bid and allow us to send you updates, such as addendums.**
*** If you are currently doing business with the Village of Arlington Heights or if your company has ever signed in to see bid electronically with us, you ALREADY have a vendor number assigned to you.**
- **Please follow the instructions to LINK to your vendor number and NOT create a new vendor number.**
- **Please contact Lisa Subrin if you do not know your vendor number. Your vendor number can also be found on our POs and checks.**

*** Required documents to be submitted with this bid are: Proposal Page including the reference form and signed addendum, if applicable.**
*** Please allow yourself enough time to register before the bid closes.**

In the event bidder cannot submit a bid on the requirements as set forth in the bid documents, he or she should return the bid documents with an explanation as to why he or she is unable to bid on these requirements. Because of the large number of firms listed on the Village's qualified bidder's list, it is necessary to delete from these lists the names of those persons, firms or corporations who fail to respond after having been invited to bid on a commodity or commodities.

BID NOTICE

FURNISHING OF STREETLIGHT LIGHT EMITTING DIODE (LED) FIXTURES
Bid # 250007

The Village of Arlington Heights will accept sealed bids electronically for the FURNISHING OF STREETLIGHT LIGHT EMITTING DIODE (LED) FIXTURES until Thursday March 13, 2025 local time on 10:00 a.m., at which time and place all bids will be publicly opened and read aloud.

The LED type of roadway fixture unit supplied shall be a COOPER LIGHTING GROUP LED Street Luminaire – Streetworks Archeon Small Series fixture. NO substitutions will be acceptable. Fixture selection shall be at the sole discretion of the Village.

The Village of Arlington Heights reserves the right to reject any or all proposals, to waive informalities in bidding and to accept the proposal deemed by the Board of Trustees to be the most favorable to the interests of the Village.

Specifications/bid documents may be obtained with the following link and instructions. This information and link can also be found at www.vah.com

https://vilofarlingtonheightsil.munisselfservice.com/vss/Vendors/VBids/Default.aspx

Type in the bid # and click search. Next click on the bid #, and then click on the attachments on the right-hand side to find instructions.

It is imperative that you register as a vendor and be logged in PRIOR TO VIEWING the Bid Documents. This is the only way to connect you to the bid and allow us to send you updates, such as addendums.

If you are currently doing business with the Village of Arlington Heights or if your company has ever signed in to see a bid electronically with us, you ALREADY have a vendor number assigned to you.

- **Please follow the instructions to LINK to your vendor number and NOT create a new vendor number.**
- **Please contact Lisa Subrin if you do not know your vendor number. Your vendor number can also be found on our POs and checks.**

Contact Lisa Subrin, Purchasing Coordinator, at lsubrin@vah.com, if you have issues accessing the bid.

For a list of our current bids, visit our website at www.vah.com.

VILLAGE OF ARLINGTON HEIGHTS
GENERAL CONDITIONS AND INSTRUCTION TO BIDDERS
PURCHASES

THE GENERAL TERMS AND CONDITIONS WHICH FOLLOW APPLY TO ALL PURCHASES AND BECOME A DEFINITE PART OF EACH FORMAL INVITATION TO BID, PURCHASE ORDER, OR CONTRACT ISSUED BY THE VILLAGE OF ARLINGTON HEIGHTS ("VILLAGE"), UNLESS OTHERWISE SPECIFIED. BY SUBMITTING A BID, THE BIDDER AGREES TO BE BOUND BY THESE TERMS AND CONDITIONS. BIDDERS OR THEIR AUTHORIZED REPRESENTATIVES ARE EXPECTED TO FULLY INFORM THEMSELVES OF THE CONDITIONS, REQUIREMENTS, AND SPECIFICATIONS BEFORE SUBMITTING BIDS, FAILURE TO DO SO WILL BE AT THE BIDDER'S OWN RISK AND THE BIDDER CANNOT SECURE RELIEF ON THE PLEA OF ERROR.

1.0 BIDDING PROCEDURES

1.01 PROPOSAL FORMS:

Proposals shall be submitted electronically through the Bid Management System. All information required by the bidding documents must be supplied to constitute a responsive bid.

1.02 BID DEPOSIT:

Each bid will be accompanied by a bid guaranty in the form and amount as specified in the Notice to Bidders. When a bid bond is allowed as detailed in the Invitation to Bid, the bid bond will be signed by a surety company authorized to do business in the State of Illinois. Bid deposits shall not exceed 10% of total bid. Bids submitted without the required bid guaranty shall be considered informal and will be rejected. Bid deposits submitted by the successful contractor will be held as security until a contract is signed. Failure to provide goods as agreed, may result in the forfeiture of your bid deposit.

1.03 SUBMISSION OF BIDS:

All bid/proposals should be submitted electronically through the Bid Management System prior to the time specified for opening the bid. If a bid cannot be submitted electronically, please contact the Purchasing Coordinator. Bids received prior to the opening will be securely kept, unopened. The Purchasing Coordinator, or their designated agent, will decide when the specified time for the bid opening has arrived, and bids will be opened as soon as practical after the assigned time. Formal sealed bids, amendments thereto, or requests for withdrawal of bids after the time specified for the bid opening will not be considered. Formal bids received after the specified bid time will not be considered and will be returned unopened. No responsibility will attach to the Purchasing Coordinator or to the Village for the premature or non-opening of a bid not properly addressed and identified, except as otherwise provided by law.

1.04 ADDENDUM:

Bidders shall acknowledge the receipt of any addendum interpreting the specifications on the proposal form.

1.05 SAMPLES:

Samples or drawings requested shall be delivered at no cost to the Village. The Village will not be responsible for damages to samples. Samples will be removed by the bidder within (30) thirty days after notification. Samples must be submitted prior to the time set for the opening of the bid.

1.06 NO BID RESPONSE:

In the event you cannot submit a bid, return the proposal document with an explanation as to why you are unable to submit a bid and clearly mark the proposal "No Bid". Failure to submit a bid or correspondence indicating why a bid is not being submitted may result in your company being removed from the Village Bid List.

1.07 QUESTIONS:

All questions concerning the bid shall be submitted to the Purchasing Division. Questions requiring a clarification or interpretation of the specifications shall be submitted to the Purchasing Division in writing at least five business days prior to the bid opening, if necessary, the Purchasing Division will issue a written response to all bidders in the form of an addendum. Whenever the answer to the question is contained in the bid documents, the bidder shall be directed to the provision within the general conditions which responds to the question. The Village will not be responsible for any other explanation of the specifications made prior to the receipt of bids.

1.08 BIDS BINDING FOR 90 DAYS:

Unless otherwise specified in the specifications, all formal bids submitted shall be binding for ninety (90) calendar days following date of opening.

1.09 BID PROPOSAL FOR ALL OR PART:

Unless otherwise specified, bids shall be submitted for all of the work or items for which the bids are requested.

1.10 ALTERNATE PROPOSALS:

The specifications are prepared to describe the goods and/or service which the Village deems to be in the best interests to meet its performance requirements. Bidders desiring to bid on items which deviate from the stated specifications, but which they believe to be equal, may do so but all specification deviations must be clearly noted on the form provided in the bid package. The Village reserves the right to rule upon specification deviation in a manner that best meets the needs of the Village. If a bidder wishes to submit more than one bid, each bid after the first is to be considered an ALTERNATE. These bids must be placed in SEPARATE envelopes. The envelopes and bid proposal page must be plainly marked, "ALTERNATE BID".

1.11 WITHDRAWAL OF BIDS:

A written request for withdrawal of a bid will be granted if the request is received by the Village prior to the specified time of the opening. After the opening, the bidder may not withdraw or cancel their bid for a period of ninety (90) calendar days, or such longer time as stated in the bid document.

1.12 BID OPENING:

At the time assigned for the opening of formal bids, the bids will be opened and read aloud.

Bidders are encouraged to attend all openings and to offer constructive suggestions for improvements to bid format or any way in which greater savings can be realized.

2.00 AWARDING THE BID

2.01 CRITERIA FOR AWARDING BID/RESERVATION OF RIGHTS:

The contract will be awarded to the lowest responsible bidder, or any other bidder determined by the Village Board to be in the best interest of the Village, who complies with all the provisions of the invitation to bid. The Village reserves the right to reject any or all bids or to waive any non-conformity in bids received whenever such rejection or waiver is in the best interests of the Village. The Village also reserves the right to reject the bid of a bidder who has previously failed to satisfactorily perform a contract, has not completed contracts on time, or whom an investigation shows is not in a position to perform the contract. In determining responsibility, the following qualifications will be considered by the Village:

(a) The product or services offered meets stated specifications.

(b) The ability, capacity, and skill of the bidder to perform the contract or provide the service required.

(c) Whether the bidder can perform the contract or provide service promptly, or within the time specified, without delay or interference.

(d) The character, integrity, reputation, judgment, experience, and efficiency of the bidder.

(e) The quality of performance of previous contracts or services.
(f) The previous and existing compliance by the bidder with laws and ordinances relating to the contract or service.

(g) The sufficiency of the financial resources and ability of the bidder to perform the contract or provide the service.

(h) The quality, availability, and adaptability of the supplies or contractual services to the particular use required.

(i) The ability of the bidder to provide future maintenance and service for the use of the subject of the contract.

(j) Lowest bids received. Discounts for cash payments may be considered only if discount is clearly written on the proposal page.

2.02 NOTICE OF AWARD:

The Village will accept in writing one of the proposals, within ninety (90) days from the date of opening of bids, or the time specified within the specifications, unless the lowest responsible bidder extends the time of acceptance to the Village.

2.03 AWARD OF ALL OR PART:

Unless otherwise specified by the Village, the Village reserves the right to make an award on all items, or on any of the items according to the best interests of the Village. Bidder may restrict their bid to consideration in the aggregate by so stating, but must name a unit price on each item

bid upon. The Village reserves the right to accept or reject any bid in which the bidder names a total price for all the articles without quoting a price on each and every item.

3.00 BOND REQUIREMENTS

3.01 EXECUTION OF PERFORMANCE BOND:

When noted in the specifications, the Village reserves the right to require the successful bidder to supply a performance bond within ten (10) calendar days of acceptance of the bidder's proposal by the Village. The performance bond, unless otherwise specified by the Purchasing Division, shall be 100% of the total contract price.

3.02 FAILURE TO FURNISH BOND:

In the event that the bidder fails to furnish the performance bond within ten (10) calendar days after acceptance of bid by the Village, then the bid deposit of the bidder shall be retained by the Village as liquidated damages, it being now agreed that this sum is a fair estimate of the amount of damages that the Village will sustain due to the bidder's failure to furnish the bond.

4.00 SPECIFICATIONS

4.01 NEW GOODS, FRESH STOCK:

Unless otherwise specifically stated, all contractors shall provide new commodities, fresh stock, latest model, design or package.

4.02 TRADE NAME USED BY VILLAGE:

Unless otherwise stated, any reference in the Village's specifications to a detailed manufacturer is for descriptive, not restrictive purposes, indicating articles that are satisfactory. Bids on other makes and catalogs will be considered, provided the bidder clearly states exactly what the bidder proposes to furnish; or forwards with the bid, a cut, illustration, or other descriptive matter which will clearly indicate the character of the article covered by the bid and that it meets the intended requirements.

4.03 TRADE NAME USED BY BIDDER:

Where the bidder identifies an item by manufacturer's name, trade name, catalog number, or reference, the bidder shall furnish the item so identified and shall not propose to furnish an "equal" unless the proposed "equal" is definitely indicated within the bid.

4.04 PROPOSED EQUIVALENTS:

The manufacturer and model specified is provided to indicate the quality minimums expected by the Village. Where specifications provide detailed information regarding certain manufacturers and models, equivalent products shall be accepted for consideration. Equivalent products shall be equivalent as to quality, function, design, features and overall warranty of products proposed. It shall be the determination of the user department or designee to judge and conclude if a product is acceptable as an equivalent. All products proposed as part of this purchase shall be designed specifically for the intended use.

If no particular brand, model, or make is specified, and if no data are required to be submitted

with the bid, the specifications may require the bidder to submit working drawings or detailed descriptive data sufficient for the Village to determine if each requirement of the specifications is being complied with prior to manufacture or shipment

5.00 PRICE

5.01 NET PRICES:

Bid prices, unless otherwise specified in the specifications, must be net, including transportation and handling charges fully prepaid by the contractor to delivery point.

5.02 PRICE REDUCTION:

If at any time after the date of the bid or offer the contractor makes a general price reduction in any material covered by the contract, an equivalent price reduction shall apply to the contract for the remaining contract period (or until the price is further reduced). Such price reduction shall be effective at the same time and in the same manner as the reduction in the price to customers generally. For purpose of this provision, a "general price reduction" shall mean any horizontal reduction in the price of an article or service offered (1) to contractor's customers generally, or (2) in the contractor's price schedule for the class of customers, i.e., wholesalers, jobbers, retailers, etc., which was used as the basis for bidding on this contract. An occasional sale at a lower price would not be considered a "general price reduction" under this provision. The contractor shall invoice the ordering offices at such reduced prices indicating on the invoice that the reduction is pursuant to the "Price Reduction" provision of the contract documents. The contractor, in addition, shall within ten calendar days of any general price reduction notify the Purchasing Coordinator of such reduction by letter. Failure to do so may result in termination of the contract.

5.03 TAX EXEMPTION:

Illinois Retailers Occupation Tax, Use Tax and Municipal Retailer’s Occupation Tax do not apply to materials or services purchased by the Village. The price quoted herein shall include all other Federal and/or State direct and/or indirect taxes which apply.

5.04 ERRORS IN BID PRICES:

When an error is made in extending total prices, the unit bid price will govern. Erasures or changes in bids must be initialed by the bidder.

6.00 QUANTITIES

6.01 SPECIFIC BID QUANTITIES:

Where quantities are specifically stated, acceptance will bind the Village to order and pay for, at contract prices, all such supplies or services delivered that meet the specifications and conditions of the contract. Acceptance shall be in compliance with the Uniform Commercial Code S2-606.

6.02 REQUIREMENTS OR ESTIMATED BID QUANTITIES:

On “Requirements or Estimated Bid Quantities,” acceptance will bind the Village to pay for, at unit bid prices, only quantities ordered and delivered. Any reference to forecasted or estimated quantities within the bidding documents is intended to inform the bidder of approximate annual requirements. The Village may purchase as little as zero percent (0%) or as much as one hundred

percent (100%) of the forecasted or estimated quantities.

7.00 DELIVERY PROVISIONS

7.01 PLACING OF ORDER:

Orders against contracts will be placed with the contractor on a purchase order executed and released by the Purchasing Division. Telephone, facsimile or electronic orders placed directly with the contractor by the Purchasing Division may be authorized by the Purchasing Division only after execution of a blanket purchase order.

7.02 RESPONSIBILITY FOR MATERIALS SHIPPED:

The successful bidder shall be responsible for the materials or supplies covered by this contract until they are delivered at the designated point. Rejected materials or supplies must be removed by and at the expense of the Bidder promptly within (5) five calendar days after notification or rejection. The bidder shall be responsible for rejected goods after notice of rejection.

7.03 DELIVERY FAILURES:

Failures of a contractor to deliver within the time specified, or within a reasonable time as interpreted by the Purchasing Division, or failure to make replacement of rejected articles when so requested, immediately or as directed by the Purchasing Division, shall constitute authority for the Purchasing Division to purchase in the open market articles. With such purchases, either: (1) the contractor shall reimburse the Village, within a reasonable time specified by the Purchasing Division, for any expense incurred in excess of contract prices; or (2) the Village may deduct such amount from monies owed the defaulting contractor. Such purchases shall be deducted from contract quantities. Should public necessity demand it, the Village reserves the right to use or consume articles delivered which are substandard in quality, subject to an adjustment in price to be determined by the Purchasing Division.

7.04 PACKAGING AND CONTAINERS:

Unless otherwise specified, goods shall be delivered in commercial packages in standard commercial containers, so constructed as to insure acceptance by common or other carrier for safe transportation, at the lowest rate, to the point of delivery. Containers become the property of the Village unless otherwise specified by bidder in his bid. The shipment shall be properly marked and tagged, stating the contractor's name and purchase order number. All delivery arrangements will be made in advance with the Purchasing Division or designee as specified within the bid document.

7.05 INSPECTION OF GOODS:

Inspections and acceptance of materials or supplies will be made after delivery. Final inspection shall be conclusive except as regards latent defects, fraud, or such gross mistakes as to amount to fraud. Final inspection and acceptance or rejection of the materials or supplies will be made as promptly as practicable. All delivered materials shall be accepted subject to inspection and physical count.

7.06 PACKING SLIPS OR DELIVERY TICKETS:

All shipments or deliveries shall be accompanied by packing slips or delivery tickets and shall contain the following information for each item delivered:

(a) Purchase order number
(b) Name of the article and stock number
(c) Quantity ordered
(d) Quantity shipped
(e) Quantity back ordered
(f) Name of the contractor

8.00 GENERAL RESPONSIBILITY PROVISIONS

8.01 COMPLIANCE WITH ALL LAWS:

All work under the contract must be executed in accordance with all applicable federal, state and local laws, ordinances, rules and regulations.

8.02 CONTRACT ALTERATIONS:

No amendment of a contract shall be valid unless made in writing and signed by both parties.

8.03 GENERAL GUARANTY: Bidder agrees to:

(a) Save the Village, its agents, and employees harmless from liability of any nature or kind for the use of any copyrighted or un-copyrighted composition, secret process, patented or unpatented invention, article, or appliance furnished or used in the performance of the contract which the bidder is not the patentee, assignee, licensee, or owner; and

(b) Protect the Village against latent defects in materials or workmanship and to repair or replace any articles damaged or marred in transit or during delivery; and

(c) Pay for all permits, licenses, and fees and give all notices; and to comply with all laws, ordinances, and rules of the Village and the State of Illinois.

8.04 DEFAULT:

In the event of the Bidder's nonperformance or breach of the contract terms, the contract may be canceled, in whole or in part, upon the Village's written notice of default and the bidder's failure to cure such default within ten (10) calendar days of the notice. The bidder shall be liable to the Village for all costs incurred in completion of the contract.

The bidder may not be liable in damages for delay in performance when such delay or failure is the result of fire, flood, strike, the transporting carrier, act of God, or by any other circumstances which are beyond the control of the bidder. Under such circumstances, however, the Village may, at its option, cancel the contract.

8.05 ASSIGNMENT:

Assignment of this contract or any part thereof, or any funds to be received there under by the contractor shall be subject to the written approval of the Village. Such assignment shall not relieve the bidder from their obligations or change the term of the contract.

8.06 WARRANTIES:

Unless otherwise specified, the bidder shall unconditionally guarantee the materials and

workmanship on all equipment furnished by them FOR A MINIMUM PERIOD OF ONE YEAR from date of delivery and installation if required unless otherwise specified in the specifications. If within the guarantee period, any defects or signs of deterioration are noted which, in the opinion of the Village, are due to faulty design and installation, workmanship, or materials, the Village shall notify the bidder. At the bidder's expense, the bidder shall repair or adjust the equipment or parts to correct the condition, or replace the part or entire unit to the complete satisfaction of the Village.

8.07 INSURANCE:

At the bidder's expense, the bidder shall secure and maintain in effect throughout the duration of this contract, insurance in adequate limits to cover all locations of the bidder's operations. The bidder shall furnish certificates of insurance to the Village prior to proceeding with the obligation for services or purchases under this bid. All insurance policies shall be written with insurance companies licensed to do business in the State of Illinois and having a rating of not less than A VI, according to the latest edition of the A.M. Best Company. Additional insured status shall be provided by original endorsement as least as broad as CG 20 10 04 13 or CG 20 26 04 13.

The Bidder understands and agrees that any performance bond or insurance protection required by this contract or otherwise provided by bidder, shall in no way limit the responsibility to indemnify, keep and save harmless, and defend the Village as herein provided.

Unless otherwise specified, the limits of liability for the insurance required shall provide coverage for not less than the following amounts, or greater where required by law. Limits will be provided on a per project basis.

(a) Commercial General Liability:
(1) Coverage to include Premise/Operations, Products/Completed Operations, Independent Contractors, Broad Form Property Damage, Contractual and Personal Injury.
(2) Limits:

General Aggregate	$ 2,000,000.00
Products/Completed	$ 1,000,000.00
Each Occurrence	$ 1,000,000.00
Personal Injury	$ 1,000,000.00

(3) Coverage is to be written on an "occurrence" basis.
(4) Products/Completed Operations coverage is to remain in force for a period of two (2) years after the completion of the project.
(5) Cover all claims arising out of the contractor's operations or premises, subcontractor's operations or premises, anyone directly or indirectly employed by the contractor or subcontractor, and the contractor's obligations of indemnification under this contract.

(b) Worker's Compensation and Employers Liability
(1) The insurance shall protect the Contractor against all claims under applicable State or Federal Worker's Compensation Laws. The Contractor shall also be protected against claims for injury, disease or death of employees which for any reason may not fall within the provisions of the Worker's Compensation Law. The policy shall include "broad form all states" endorsement coverage extended to cover all states except the monopolistic fund states.

(2) The liability limits shall not be less than:

Worker's Compensation	Statutory
Employer's Liability	$1,000,000 per occurrence

(c) Comprehensive Automobile Liability:
(1) Coverage to include all owned, hired, non-owned vehicles, and/or trailers and other equipment required to be licensed.
(2) Limits:
Bodily Injury and Property Damage, Combined Single Limit $ 1,000,000.00

8.08 INDEMNITY:

The contractor shall indemnify and save harmless the Village of Arlington Heights, its officers, agents and employees from any and all liability, losses or damages, including attorney's fees and costs of defense, the Village may suffer as a result of claims, demands, suits, actions or proceedings of any kind or nature, including worker's compensation claims, in any way resulting from or arising out of the operations of contractor under this contract, including operations of subcontractors; and the contractor shall, at his or her own expense, appear, defend and pay all fees of attorneys and all costs and other expenses arising there from or incurred in connection therewith; and, if any judgments shall be rendered against the Village in any such action, the contractor shall, at his or her own expense, satisfy and discharge same. Contractor expressly understands and agrees that any performance bond or insurance protection required by the contract, or otherwise provided by contractor, shall in no way limit the responsibility to indemnify, keep and save harmless, and defend the Village as herein provided.

8.09 CERCLA INDEMNIFICATION:

The contractor shall, to the maximum extent permitted by law, indemnify, defend, and hold harmless the Village, its officers, employees, agents, and attorneys from and against any and all liability, including without limitation, costs of response, removal, remediation, investigation, property damage, personal injury, damage to natural resources, health assessments, health settlements, attorneys' fees, and other related transaction costs arising under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, 42 U.S.C.A. Sec. 9601, et seq., as amended, and all other applicable statutes, regulations, ordinances, and under common law for any release or threatened release of the waste material collected by the contractor, both before and after its disposal.

8.10 MATERIAL SAFETY DATA SHEETS:

It is a federal law that chemical manufacturers and importers must develop an MSDS for each hazardous chemical they produce or import, and must provide the MSDS automatically at the time of the initial shipment of a hazardous chemical to a downstream distributor or user, or anytime the chemical makeup of the product is changed. Distributors must also ensure that downstream employers are similarly provided an MSDS.

Vendors who are awarded this contract, and if the above paragraph applies to this bid, must submit Material Data Sheets which include information regarding the specific chemical identity of the hazardous chemical(s) involved and the common names. In addition, information must be provided on the physical and chemical characteristics of the hazardous chemical; known acute and chronic health effects and related health information; exposure limits; whether the chemical is considered to be a carcinogen by NTP, IARC, or OSHA; precautionary measures; emergency and first-aid procedures; and the identification of the organization responsible for preparing the sheet.

8.11 EQUAL EMPLOYMENT OPPORTUNITY:

In the event of the contractor's noncompliance with the provisions of this Equal Employment Opportunity Clause, the Illinois Human Rights Act or the Illinois Department of Human Rights Rules and Regulations, the contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be canceled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation. During the performance of this contract, the contractor agrees as follows:

(a) That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, marital status, national origin or ancestry, age, physical or mental disability unrelated to ability, or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

(b) That, if it hires additional employees in order to perform this contract or any portion hereof, it will determine the availability (in accordance with the Department's Rules and Regulations) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

(c) That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, marital status, national origin or ancestry, age, physical or mental disability unrelated to ability, or an unfavorable discharge from military service.

(d) That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the contractor's obligations under the Illinois Human Rights Act and the Department's Rules and Regulations. If any such labor organization or representative fails or refuses to cooperate with the contractor in its efforts to comply with such Act and Rules and Regulations, the contractor will promptly so notify the Illinois Department of Human Rights and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations there under.

(e) That it will submit reports as required by the Illinois Department of Human Rights Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and the Department's Rules and Regulations.

(f) That it will have written sexual harassment policies that shall include, at a minimum, the following information: (i) the illegality of sexual harassment; (ii) the definition of sexual harassment under State law; (iii) a description of sexual harassment, utilizing examples; (iv) an internal complaint process including penalties; (v) legal recourse, investigative and process available through the Illinois Department of Human Rights and the Illinois Human Rights Commission; (vi) directions on how to contact the Department and Commission; (vii) protection against retaliation. A copy of the policies shall be provided to the Department upon request.

(g) That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Illinois Department of Human Rights for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and the Department's Rules and Regulations.

(h) That it will include verbatim or by reference the provisions of this clause in every subcontract

it awards under which any portion of the contract obligations are undertaken or assumed, so that such provisions will be binding upon each subcontractor. In the same manner as with other provisions of the contract, the contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Illinois Department of Human Rights in the event any subcontractor fails or refuses to comply therewith. In addition, the contractor will not utilize any subcontractor declared by the commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

9.00 PAYMENT

9.01 INVOICES:

Unless otherwise authorized by the Finance Director, vendor must submit single invoice copies for each purchase order immediately upon completion of shipment, or services. Partial payments may be acceptable if previously approved. If shipment is made by freight or express, original bill of lading, properly receipted, must be attached to invoice. Mail all invoices to:

VILLAGE OF ARLINGTON HEIGHTS
Finance Department, Accounts Payable Division
33 S. Arlington Heights Road
Arlington Heights, Illinois 60005

The Village provides payment in compliance with the Illinois Prompt Payment Act (50 ILCS 505/1 - 505/6).

VILLAGE OF ARLINGTON HEIGHTS
AFFIDAVIT OF COMPLIANCE

Applicant_____
Name

_____
Address

As a condition of entering into a contract with the Village of Arlington Heights, and under oath and penalty of perjury and possible termination of contract right and debarment, the undersigned, _____, being first duly sworn on oath, deposes and states that he or she is _____ (sole owner, partner, joint ventured, President, Secretary, etc..) of_____and has the authority to
(Name of Company)
make all certifications required by this affidavit.

Section I

Non Collusion

The undersigned certifies that this bid is genuine and not collusive or sham, that said bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any bidder or person, to put in a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference with any person, to fix the bid price element of this bid, or of that of any other bidder, or to secure any advantage against any other bidder or any person interested in the proposed contract.

Section II

Bid Rigging and Rotating

The undersigned hereby certifies that it is not barred from bidding or contracting as a result of a conviction for violations of state laws prohibiting bid rigging or bid rotating or any similar offense of any state of the United States.

Section III

Illinois Drug Free Workplace Act

The undersigned further states that_____provides a
(Name of Company)
drug free workplace pursuant to Illinois Statues, 30 ILCS 580/1, et seq and provides compliance with necessary requirements.

Section IV

Tax Payment

The undersigned further states that_____is not
(Name of Company)
delinquent in payment of any taxes to the Illinois Department of Revenue, in accordance with Illinois Compiled Statues, 65 ILCS 5/11-42.1. The undersigned understands that making a false statement regarding delinquency in taxes is a Class A Misdemeanor and, in addition voids the contract and allows the municipality to recover all amounts paid to the individual or entity under the contract in civil action.

It is expressly understood the foregoing statements and representations and promises are made as a condition to the right of the bidder to receive payment under any award made under the terms and provisions of this bid.

The undersigned certifies that all the information contained in the Affidavit is true and correct.

Signed by: _____
(Name)
(Title)

Subscribed and sworn to before me this_____day of_____20___, AD.

By: _____
(Notary Public)

-Seal-

VILLAGE OF ARLINGTON HEIGHTS
INDEMNITY HOLD HARMLESS AGREEMENT

To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify and hold harmless the Village of Arlington Heights, its Board of Trustees, officers, agents and employees from any and all liability, losses or damages the Village may suffer as a result of claims, demands, suits, actions or proceedings of any kind or nature in any way resulting from or arising out of any action on the part of the Contractor or any Subcontractor. The Contractor shall, at its own expense; appear, defend and pay all charges of attorneys and all costs and other expenses arising there from or incurred in connection therewith, and, if any judgment shall be rendered against the Village of Arlington Heights, its Board of Trustees, officers, agents and employees, in any such action, the contractor shall, at its own expense, satisfy and discharge the same. This indemnification does not apply to liability caused by the Village's own negligence.

The Contractor expressly understands and agrees that any insurance policies required by this contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the Village of Arlington Heights, its Board of Trustees, officers, agents and employees as herein provided.

CONTRACTOR:_____

By: _____

VENDOR QUESTIONNAIRE

Company Name:_____

Address: _____

City: _____ State: _____ Zip: _____

Phone:_____E-Mail: _____

Commodity:_____ Years in Business: _____

DBE (Disadvantaged Business Enterprise) Classification: Please indicate your DBE classification below, and provide any agency certifications you have received.

- MBE (Minority-Owned Business Enterprise): A business that is at least 51 percent owned by one or more minorities. A person who is a U.S. citizen or lawful permanent resident and is African American, Hispanic American, Asian American, Native American, as well as other groups found to be disadvantaged pursuant to Section 8 (a) of the Small Business Act.
- WBE (Women-Owned Business Enterprise): A business that is at least 51 percent owned by a woman or women who are United States Citizens or lawful permanent residents of the United States.
- DOBE (Disability-Owned Business Enterprise): A business that is at least 51 percent owned by a person or group of persons with a disability, as recognized by the Americans with Disabilities Act.
- VOSB (Veteran-Owned Small Business): A business that meets the qualifications to be a small business according to the SBA, and is at least 51 percent owned, operated and controlled by a veteran.
- Not Applicable

Certifications:
Agency/Institution:_____

Phone:_____Approval Date: _____

I hereby certify that the information supplied in this form is complete and correct to the best of my knowledge and belief. I authorize The Village of Arlington Heights to verify any of this information as needed.

Signature:_____Title: _____

Name:_____Date: _____

SPECIFICATIONS

VILLAGE OF ARLINGTON HEIGHTS

DEPARTMENT OF PUBLIC WORKS

Material Bid
FURNISHING OF STREET LIGHT
LIGHT EMITTING DIODE (LED) FIXTURES

GENERAL OBJECTIVE

The objective of these specifications is to define the criteria to be used in furnishing new Street light LED Light fixtures to the Village of Arlington Heights.

SCOPE OF SERVICES

The bidder shall become fully acquainted with the nature of the materials to be furnished. The proposal shall include all costs associated with furnishing two-hundred fifty (250) Street Lights LED Lighting fixtures as specified herein. The Village reserves the right to purchase additional light fixtures at the unit prices bid herein. Said pricing shall be in effect for 30 days after the bid date. The bidder shall provide data or proof that the LED lighting fixtures proposed are as specified.

The LED streetlights must be supplied as new manufactured fixtures to fit onto existing street light arms. **Retro-fit kits will not be accepted. The existing light fixtures were not originally designed for LED lighting and the Village will not accept retrofitting of these fixtures under any circumstances.**

LOCATION

These fixtures will be installed on arterial roadway street lights in the Village of Arlington Heights. All existing high pressure sodium street lighting fixtures are to be replaced by Village staff. This bid is only for furnishing and delivery of the fixtures. There is no installation involved in this bid.

PART 1 - GENERAL CONDITIONS

The bidder shall comply with the attached "General Conditions - Purchasing" unless specifically modified in these specifications.

INSTRUCTION TO BIDDERS

The bidder shall comply with the attached "Instructions to Bidders" unless specifically modified in these specifications.

DELIVERY

The LED Street lights fixture bid shall be submitted electronically through the Bid Management System prior to the time specified for the bid opening. If a bid cannot be submitted electronically, please contact the Purchasing Coordinator. Provisions will be made to deliver the specified products carted, crated, or packaged to mitigate material damage. Contact Public Works prior to delivery at (847) 368-5800.

PAYMENT

Payment will be made at the total bid price or the applicable unit price for additional fixtures and shall include all costs of furnishing and delivering the LED light fixtures. No payment will be made for any material damaged in transit, or material malfunctioning. Provisions shall be made by the bidder to facilitate return or pick-up of any damaged materials at no cost to the Village, irrespective of any stated warranties.

BID GUARANTEE

A bid guarantee in the amount of 5% of the total bid price shall accompany the proposal. The guarantee shall be in the form of a cashier's check or certified check payable to the Village of Arlington Heights.

INFORMATION AND QUESTIONS

Questions regarding these specifications should be referred to Steven J. Mullany, Public Works Services Coordinator at 847-368-5800, or by email to: smullany@vah.com.

PART 2 – DETAILED SPECIFICATIONS

STREET LIGHT FIXTURE

The LED roadway fixture unit supplied shall be a COOPER LIGHTING GROUP LED Street Luminaire – Streetworks Archeon Small Series fixture. NO substitutions will be acceptable.

LUMINAIRE SPECIFICATIONS

The luminaires shall have the following options:

ARCH-S-PA2-130-740-U-T2R-AP-20K-K-PSC-PRZ-10X

Product – ARCH
Mounting – HT Horizontal Tenon
Optic – T2R Type II Roadway
Input Power – 130w

CCT – 740=70 CRI 4000k
Voltage – Universal 120 -277v
Color Option – Grey
Utility Label/Receptacle – 7 pin twistlock NEMA Photocell Receptacle
Options – Series 20k surge protection devise

LIGHT SOURCE

LED Correlated Color Temperature must be 4000K (+/-175k), and a minimum Color Rendering Index (CRI) of 70. The CRI shall be measured with LEDs installed in the fixture.

WARRANTY

The luminaires shall be free from all defects in materials and workmanship for a period of ten (10) years from the date of manufacture.

The luminaire's manufacturer shall warrant the LED boards/system, during the stated warranty period, against failure defined as one non-operating LED.

The driver as specified shall be warranted for ten (10) years.

A full sheet of product specifications must be submitted at the time of bid.

SUBMITTALS

The following information must be submitted with the bidder's proposal and required certifications.

1. Bid guarantee – As specified 5%
2. Lighting Facts label
3. Verification of UL or ETL listing in United States for both luminaires and drivers.
4. Manufacturer's Lumen maintenance projections.
5. LM-80-08 report for specified light source(s).
6. Photometric test reports for each fixture type performed in accordance with LM-79-08. Including Goniophotometry testing reports for each fixture type and Integrated Sphere testing reports for each fixture type.
7. Calculations for fixture to document foot candles levels and uniformity.
8. Report or certification documenting the luminaire be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines.
9. Written 10-year warranties for luminaires and drivers.

10. Reference List
11. Full set of cut sheets and product specifications of fixture.

BID AWARD

The Village shall award this bid based on the quality of the proposed fixtures, compliance with the specifications and submittal requirements, and the ability of the proposing company to support these fixtures for their intended life.

The Village reserves the right to waive technicalities and choose the fixtures that serve the best interest of the Village and its residents.

PROPOSAL

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

FURNISHING OF COOPER LIGHTING GROUP
ARCHEON LED STREET LIGHT FIXTURES - SMALL

After becoming familiar with the General Conditions, Special Conditions, Instruction to Bidders, and the Specifications herein, the undersigned proposes to furnish to the Village of Arlington Heights Finance Department 33 South Arlington Heights Road, Arlington Heights, IL 60005) as follows:

TOTAL BID PRICE

Fixture ARCH-S-PA2-130-740-U-T2R-AP-20K-K-PSC-PRZ-10X

Fixture price $ _____

Quantity Total 250

TOTAL BID PRICE INCLUDING SHIPPING $ _____

(Price for Single Fixture Purchase) $ _____

Materials to be delivered within 60 days of award.

BIDDER'S COMPANY NAME: _____

ADDRESS: _____

AGENT'S SIGNATURE:_____TITLE: _____

PHONE NUMBER:_____DATE: _____

EMAIL _____ _____

References

List below the names of customers/clients where similar types of work have been completed within the last three (3) years:

NAME OF COMPANY _____

ADDRESS _____

PERSON IN CHARGE _____

PHONE NUMBER _____

TYPE OF WORK DONE _____

NAME OF COMPANY _____

ADDRESS _____

PERSON IN CHARGE _____

PHONE NUMBER _____

TYPE OF WORK DONE _____

NAME OF COMPANY _____

ADDRESS _____

PERSON IN CHARGE _____

PHONE NUMBER _____

TYPE OF WORK DONE _____

PROPOSAL

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

FURNISHING OF COOPER LIGHTING GROUP
ARCHEON LED STREET LIGHT FIXTURES - SMALL

After becoming familiar with the General Conditions, Special Conditions, Instruction to Bidders, and the Specifications herein, the undersigned proposes to furnish to the Village of Arlington Heights Finance Department 33 South Arlington Heights Road, Arlington Heights, IL 60005) as follows:

	TOTAL BID PRICE
Fixture ARCH-S-PA2-130-740-U-T2R-AP-20K-K-PSC-PRZ-10X	
Fixture price	$ 253.00
Quantity Total	250
TOTAL BID PRICE INCLUDING SHIPPING	$ 63,250.00
(Price for Single Fixture Purchase)	$ 240.00

Materials to be delivered within 60 days of award.

BIDDER'S COMPANY NAME: Graybar Electric

ADDRESS: 1 Pierce Pl Suite 800 Itasca, IL 60143

AGENT'S SIGNATURE: [signature] TITLE: Outside Sales Rep

PHONE NUMBER: 630-376-5587 DATE: 3-12-25

EMAIL : Adam.morrison@graybar.com

References

List below the names of customers/clients where similar types of work have been completed within the last three (3) years:

NAME OF COMPANY Village of Arlington Heights

ADDRESS 33 S. Arlington Heights Rd Arlington Heights IL 60005

PERSON IN CHARGE Scott Bellanger

PHONE NUMBER 847-744-9719

TYPE OF WORK DONE Cooper Cobrahead Replacement

NAME OF COMPANY Village of Northbrook

ADDRESS 655 Huett Rd Northbrook, IL 60062

PERSON IN CHARGE Joe Rizzo

PHONE NUMBER 847-571-0200

TYPE OF WORK DONE Cobrahead Replacement

NAME OF COMPANY Village of Addison

ADDRESS 1 Friendship Plaza Addison, IL 60101

PERSON IN CHARGE Eddie Paladino

PHONE NUMBER 224-523-6041

TYPE OF WORK DONE Cobrahead Replacement

VILLAGE OF ARLINGTON HEIGHTS
FINANCE DEPARTMENT, PURCHASING DIVISION
33 S. ARLINGTON HEIGHTS ROAD

BID SPECIFICATIONS AND CONTRACT DOCUMENTS

FURNISHING OF STREETLIGHT LIGHT EMITTING DIODE (LED) FIXTURES

Required for Use by:	Village of Arlington Heights- Public Works
Bid Deposit:	N/A
Performance Bond:	N/A
Pre-Bid Meeting:	N/A
Date and Time Bids Due:	Thursday March 13, 2025 at 10:00 am
Date and Time of Bid Opening:	Thursday March 13, 2025 at 10:00 am
Project Contact:	Steve Mullany- Public Works- 847-368-5800
Purchasing Coordinator:	Lisa Subrin, lsubrin@vah.com, 847-368-5509

The Village of Arlington Heights is transitioning to a Bid Management System:

* **Instructions on How to Register & Submit a Bid are in the attachments in Vendor Self Service.**
* **It is imperative that you register as a vendor and be logged in PRIOR TO VIEWING the Bid Documents. This is the only way to connect you to the bid and allow us to send you updates, such as addendums.**
* **If you are currently doing business with the Village of Arlington Heights or if your company has ever signed in to see bid electronically with us, you ALREADY have a vendor number assigned to you.**
  - **Please follow the instructions to LINK to your vendor number and NOT create a new vendor number.**
  - **Please contact Lisa Subrin if you do not know your vendor number. Your vendor number can also be found on our POs and checks.**
* **Required documents to be submitted with this bid are: Proposal Page including the reference form and signed addendum, if applicable.**
* **Please allow yourself enough time to register before the bid closes.**

In the event bidder cannot submit a bid on the requirements as set forth in the bid documents, he or she should return the bid documents with an explanation as to why he or she is unable to bid on these requirements. Because of the large number of firms listed on the Village's qualified bidder's list, it is necessary to delete from these lists the names of those persons, firms or corporations who fail to respond after having been invited to bid on a commodity or commodities.

BID NOTICE

FURNISHING OF STREETLIGHT LIGHT EMITTING DIODE (LED) FIXTURES
Bid # 250007

The Village of Arlington Heights will accept sealed bids electronically for the FURNISHING OF STREETLIGHT LIGHT EMITTING DIODE (LED) FIXTURES until Thursday March 13, 2025 local time on 10:00 a.m., at which time and place all bids will be publicly opened and read aloud.

The LED type of roadway fixture unit supplied shall be a COOPER LIGHTING GROUP LED Street Luminaire – Streetworks Archeon Small Series fixture. NO substitutions will be acceptable. Fixture selection shall be at the sole discretion of the Village.

The Village of Arlington Heights reserves the right to reject any or all proposals, to waive informalities in bidding and to accept the proposal deemed by the Board of Trustees to be the most favorable to the interests of the Village.

Specifications/bid documents may be obtained with the following link and instructions. This information and link can also be found at www.vah.com

https://vilofarlingtonheightsil.munisselfservice.com/vss/Vendors/VBids/Default.aspx

Type in the bid # and click search. Next click on the bid #, and then click on the attachments on the right-hand side to find instructions.

It is imperative that you register as a vendor and be logged in PRIOR TO VIEWING the Bid Documents. This is the only way to connect you to the bid and allow us to send you updates, such as addendums.

If you are currently doing business with the Village of Arlington Heights or if your company has ever signed in to see a bid electronically with us, you ALREADY have a vendor number assigned to you.

- **Please follow the instructions to LINK to your vendor number and NOT create a new vendor number.**
- **Please contact Lisa Subrin if you do not know your vendor number. Your vendor number can also be found on our POs and checks.**

Contact Lisa Subrin, Purchasing Coordinator, at lsubrin@vah.com, if you have issues accessing the bid.

For a list of our current bids, visit our website at www.vah.com.

VILLAGE OF ARLINGTON HEIGHTS
GENERAL CONDITIONS AND INSTRUCTION TO BIDDERS
PURCHASES

THE GENERAL TERMS AND CONDITIONS WHICH FOLLOW APPLY TO ALL PURCHASES AND BECOME A DEFINITE PART OF EACH FORMAL INVITATION TO BID, PURCHASE ORDER, OR CONTRACT ISSUED BY THE VILLAGE OF ARLINGTON HEIGHTS ("VILLAGE"), UNLESS OTHERWISE SPECIFIED. BY SUBMITTING A BID, THE BIDDER AGREES TO BE BOUND BY THESE TERMS AND CONDITIONS. BIDDERS OR THEIR AUTHORIZED REPRESENTATIVES ARE EXPECTED TO FULLY INFORM THEMSELVES OF THE CONDITIONS, REQUIREMENTS, AND SPECIFICATIONS BEFORE SUBMITTING BIDS, FAILURE TO DO SO WILL BE AT THE BIDDER'S OWN RISK AND THE BIDDER CANNOT SECURE RELIEF ON THE PLEA OF ERROR.

1.0 BIDDING PROCEDURES

1.01 PROPOSAL FORMS:

Proposals shall be submitted electronically through the Bid Management System. All information required by the bidding documents must be supplied to constitute a responsive bid.

1.02 BID DEPOSIT:

Each bid will be accompanied by a bid guaranty in the form and amount as specified in the Notice to Bidders. When a bid bond is allowed as detailed in the Invitation to Bid, the bid bond will be signed by a surety company authorized to do business in the State of Illinois. Bid deposits shall not exceed 10% of total bid. Bids submitted without the required bid guaranty shall be considered informal and will be rejected. Bid deposits submitted by the successful contractor will be held as security until a contract is signed. Failure to provide goods as agreed, may result in the forfeiture of your bid deposit.

1.03 SUBMISSION OF BIDS:

All bid/proposals should be submitted electronically through the Bid Management System prior to the time specified for opening the bid. If a bid cannot be submitted electronically, please contact the Purchasing Coordinator. Bids received prior to the opening will be securely kept, unopened. The Purchasing Coordinator, or their designated agent, will decide when the specified time for the bid opening has arrived, and bids will be opened as soon as practical after the assigned time. Formal sealed bids, amendments thereto, or requests for withdrawal of bids after the time specified for the bid opening will not be considered. Formal bids received after the specified bid time will not be considered and will be returned unopened. No responsibility will attach to the Purchasing Coordinator or to the Village for the premature or non-opening of a bid not properly addressed and identified, except as otherwise provided by law.

1.04 ADDENDUM:

Bidders shall acknowledge the receipt of any addendum interpreting the specifications on the proposal form.

1.05 SAMPLES:

Samples or drawings requested shall be delivered at no cost to the Village. The Village will not be responsible for damages to samples. Samples will be removed by the bidder within (30) thirty days after notification. Samples must be submitted prior to the time set for the opening of the bid.

1.06 NO BID RESPONSE:

In the event you cannot submit a bid, return the proposal document with an explanation as to why you are unable to submit a bid and clearly mark the proposal "No Bid". Failure to submit a bid or correspondence indicating why a bid is not being submitted may result in your company being removed from the Village Bid List.

1.07 QUESTIONS:

All questions concerning the bid shall be submitted to the Purchasing Division. Questions requiring a clarification or interpretation of the specifications shall be submitted to the Purchasing Division in writing at least five business days prior to the bid opening, if necessary, the Purchasing Division will issue a written response to all bidders in the form of an addendum. Whenever the answer to the question is contained in the bid documents, the bidder shall be directed to the provision within the general conditions which responds to the question. The Village will not be responsible for any other explanation of the specifications made prior to the receipt of bids.

1.08 BIDS BINDING FOR 90 DAYS:

Unless otherwise specified in the specifications, all formal bids submitted shall be binding for ninety (90) calendar days following date of opening.

1.09 BID PROPOSAL FOR ALL OR PART:

Unless otherwise specified, bids shall be submitted for all of the work or items for which the bids are requested.

1.10 ALTERNATE PROPOSALS:

The specifications are prepared to describe the goods and/or service which the Village deems to be in the best interests to meet its performance requirements. Bidders desiring to bid on items which deviate from the stated specifications, but which they believe to be equal, may do so but all specification deviations must be clearly noted on the form provided in the bid package. The Village reserves the right to rule upon specification deviation in a manner that best meets the needs of the Village. If a bidder wishes to submit more than one bid, each bid after the first is to be considered an ALTERNATE. These bids must be placed in SEPARATE envelopes. The envelopes and bid proposal page must be plainly marked, "ALTERNATE BID".

1.11 WITHDRAWAL OF BIDS:

A written request for withdrawal of a bid will be granted if the request is received by the Village prior to the specified time of the opening. After the opening, the bidder may not withdraw or cancel their bid for a period of ninety (90) calendar days, or such longer time as stated in the bid document.

1.12 BID OPENING:

At the time assigned for the opening of formal bids, the bids will be opened and read aloud.

Bidders are encouraged to attend all openings and to offer constructive suggestions for improvements to bid format or any way in which greater savings can be realized.

2.00 AWARDING THE BID

2.01 CRITERIA FOR AWARDING BID/RESERVATION OF RIGHTS:

The contract will be awarded to the lowest responsible bidder, or any other bidder determined by the Village Board to be in the best interest of the Village, who complies with all the provisions of the invitation to bid. The Village reserves the right to reject any or all bids or to waive any non-conformity in bids received whenever such rejection or waiver is in the best interests of the Village. The Village also reserves the right to reject the bid of a bidder who has previously failed to satisfactorily perform a contract, has not completed contracts on time, or whom an investigation shows is not in a position to perform the contract. In determining responsibility, the following qualifications will be considered by the Village:

(a) The product or services offered meets stated specifications.

(b) The ability, capacity, and skill of the bidder to perform the contract or provide the service required.

(c) Whether the bidder can perform the contract or provide service promptly, or within the time specified, without delay or interference.

(d) The character, integrity, reputation, judgment, experience, and efficiency of the bidder.

(e) The quality of performance of previous contracts or services.
(f) The previous and existing compliance by the bidder with laws and ordinances relating to the contract or service.

(g) The sufficiency of the financial resources and ability of the bidder to perform the contract or provide the service.

(h) The quality, availability, and adaptability of the supplies or contractual services to the particular use required.

(i) The ability of the bidder to provide future maintenance and service for the use of the subject of the contract.

(j) Lowest bids received. Discounts for cash payments may be considered only if discount is clearly written on the proposal page.

2.02 NOTICE OF AWARD:

The Village will accept in writing one of the proposals, within ninety (90) days from the date of opening of bids, or the time specified within the specifications, unless the lowest responsible bidder extends the time of acceptance to the Village.

2.03 AWARD OF ALL OR PART:

Unless otherwise specified by the Village, the Village reserves the right to make an award on all items, or on any of the items according to the best interests of the Village. Bidder may restrict their bid to consideration in the aggregate by so stating, but must name a unit price on each item

bid upon. The Village reserves the right to accept or reject any bid in which the bidder names a total price for all the articles without quoting a price on each and every item.

3.00 BOND REQUIREMENTS

3.01 EXECUTION OF PERFORMANCE BOND:

When noted in the specifications, the Village reserves the right to require the successful bidder to supply a performance bond within ten (10) calendar days of acceptance of the bidder's proposal by the Village. The performance bond, unless otherwise specified by the Purchasing Division, shall be 100% of the total contract price.

3.02 FAILURE TO FURNISH BOND:

In the event that the bidder fails to furnish the performance bond within ten (10) calendar days after acceptance of bid by the Village, then the bid deposit of the bidder shall be retained by the Village as liquidated damages, it being now agreed that this sum is a fair estimate of the amount of damages that the Village will sustain due to the bidder's failure to furnish the bond.

4.00 SPECIFICATIONS

4.01 NEW GOODS, FRESH STOCK:

Unless otherwise specifically stated, all contractors shall provide new commodities, fresh stock, latest model, design or package.

4.02 TRADE NAME USED BY VILLAGE:

Unless otherwise stated, any reference in the Village's specifications to a detailed manufacturer is for descriptive, not restrictive purposes, indicating articles that are satisfactory. Bids on other makes and catalogs will be considered, provided the bidder clearly states exactly what the bidder proposes to furnish; or forwards with the bid, a cut, illustration, or other descriptive matter which will clearly indicate the character of the article covered by the bid and that it meets the intended requirements.

4.03 TRADE NAME USED BY BIDDER:

Where the bidder identifies an item by manufacturer's name, trade name, catalog number, or reference, the bidder shall furnish the item so identified and shall not propose to furnish an "equal" unless the proposed "equal" is definitely indicated within the bid.

4.04 PROPOSED EQUIVALENTS:

The manufacturer and model specified is provided to indicate the quality minimums expected by the Village. Where specifications provide detailed information regarding certain manufacturers and models, equivalent products shall be accepted for consideration. Equivalent products shall be equivalent as to quality, function, design, features and overall warranty of products proposed. It shall be the determination of the user department or designee to judge and conclude if a product is acceptable as an equivalent. All products proposed as part of this purchase shall be designed specifically for the intended use.

If no particular brand, model, or make is specified, and if no data are required to be submitted

with the bid, the specifications may require the bidder to submit working drawings or detailed descriptive data sufficient for the Village to determine if each requirement of the specifications is being complied with prior to manufacture or shipment

5.00 PRICE

5.01 NET PRICES:

Bid prices, unless otherwise specified in the specifications, must be net, including transportation and handling charges fully prepaid by the contractor to delivery point.

5.02 PRICE REDUCTION:

If at any time after the date of the bid or offer the contractor makes a general price reduction in any material covered by the contract, an equivalent price reduction shall apply to the contract for the remaining contract period (or until the price is further reduced). Such price reduction shall be effective at the same time and in the same manner as the reduction in the price to customers generally. For purpose of this provision, a "general price reduction" shall mean any horizontal reduction in the price of an article or service offered (1) to contractor's customers generally, or (2) in the contractor's price schedule for the class of customers, i.e., wholesalers, jobbers, retailers, etc., which was used as the basis for bidding on this contract. An occasional sale at a lower price would not be considered a "general price reduction" under this provision. The contractor shall invoice the ordering offices at such reduced prices indicating on the invoice that the reduction is pursuant to the "Price Reduction" provision of the contract documents. The contractor, in addition, shall within ten calendar days of any general price reduction notify the Purchasing Coordinator of such reduction by letter. Failure to do so may result in termination of the contract.

5.03 TAX EXEMPTION:

Illinois Retailers Occupation Tax, Use Tax and Municipal Retailer's Occupation Tax do not apply to materials or services purchased by the Village. The price quoted herein shall include all other Federal and/or State direct and/or indirect taxes which apply.

5.04 ERRORS IN BID PRICES:

When an error is made in extending total prices, the unit bid price will govern. Erasures or changes in bids must be initialed by the bidder.

6.00 QUANTITIES

6.01 SPECIFIC BID QUANTITIES:

Where quantities are specifically stated, acceptance will bind the Village to order and pay for, at contract prices, all such supplies or services delivered that meet the specifications and conditions of the contract. Acceptance shall be in compliance with the Uniform Commercial Code S2-606.

6.02 REQUIREMENTS OR ESTIMATED BID QUANTITIES:

On "Requirements or Estimated Bid Quantities," acceptance will bind the Village to pay for, at unit bid prices, only quantities ordered and delivered. Any reference to forecasted or estimated quantities within the bidding documents is intended to inform the bidder of approximate annual requirements. The Village may purchase as little as zero percent (0%) or as much as one hundred

percent (100%) of the forecasted or estimated quantities.

7.00 DELIVERY PROVISIONS

7.01 PLACING OF ORDER:

Orders against contracts will be placed with the contractor on a purchase order executed and released by the Purchasing Division. Telephone, facsimile or electronic orders placed directly with the contractor by the Purchasing Division may be authorized by the Purchasing Division only after execution of a blanket purchase order.

7.02 RESPONSIBILITY FOR MATERIALS SHIPPED:

The successful bidder shall be responsible for the materials or supplies covered by this contract until they are delivered at the designated point. Rejected materials or supplies must be removed by and at the expense of the Bidder promptly within (5) five calendar days after notification or rejection. The bidder shall be responsible for rejected goods after notice of rejection.

7.03 DELIVERY FAILURES:

Failures of a contractor to deliver within the time specified, or within a reasonable time as interpreted by the Purchasing Division, or failure to make replacement of rejected articles when so requested, immediately or as directed by the Purchasing Division, shall constitute authority for the Purchasing Division to purchase in the open market articles. With such purchases, either: (1) the contractor shall reimburse the Village, within a reasonable time specified by the Purchasing Division, for any expense incurred in excess of contract prices; or (2) the Village may deduct such amount from monies owed the defaulting contractor. Such purchases shall be deducted from contract quantities. Should public necessity demand it, the Village reserves the right to use or consume articles delivered which are substandard in quality, subject to an adjustment in price to be determined by the Purchasing Division.

7.04 PACKAGING AND CONTAINERS:

Unless otherwise specified, goods shall be delivered in commercial packages in standard commercial containers, so constructed as to insure acceptance by common or other carrier for safe transportation, at the lowest rate, to the point of delivery. Containers become the property of the Village unless otherwise specified by bidder in his bid. The shipment shall be properly marked and tagged, stating the contractor's name and purchase order number. All delivery arrangements will be made in advance with the Purchasing Division or designee as specified within the bid document.

7.05 INSPECTION OF GOODS:

Inspections and acceptance of materials or supplies will be made after delivery. Final inspection shall be conclusive except as regards latent defects, fraud, or such gross mistakes as to amount to fraud. Final inspection and acceptance or rejection of the materials or supplies will be made as promptly as practicable. All delivered materials shall be accepted subject to inspection and physical count.

7.06 PACKING SLIPS OR DELIVERY TICKETS:

All shipments or deliveries shall be accompanied by packing slips or delivery tickets and shall contain the following information for each item delivered:

(a) Purchase order number
(b) Name of the article and stock number
(c) Quantity ordered
(d) Quantity shipped
(e) Quantity back ordered
(f) Name of the contractor

8.00 GENERAL RESPONSIBILITY PROVISIONS

8.01 COMPLIANCE WITH ALL LAWS:

All work under the contract must be executed in accordance with all applicable federal, state and local laws, ordinances, rules and regulations.

8.02 CONTRACT ALTERATIONS:

No amendment of a contract shall be valid unless made in writing and signed by both parties.

8.03 GENERAL GUARANTY: Bidder agrees to:

(a) Save the Village, its agents, and employees harmless from liability of any nature or kind for the use of any copyrighted or un-copyrighted composition, secret process, patented or unpatented invention, article, or appliance furnished or used in the performance of the contract which the bidder is not the patentee, assignee, licensee, or owner; and

(b) Protect the Village against latent defects in materials or workmanship and to repair or replace any articles damaged or marred in transit or during delivery; and

(c) Pay for all permits, licenses, and fees and give all notices; and to comply with all laws, ordinances, and rules of the Village and the State of Illinois.

8.04 DEFAULT:

In the event of the Bidder's nonperformance or breach of the contract terms, the contract may be canceled, in whole or in part, upon the Village's written notice of default and the bidder's failure to cure such default within ten (10) calendar days of the notice. The bidder shall be liable to the Village for all costs incurred in completion of the contract.

The bidder may not be liable in damages for delay in performance when such delay or failure is the result of fire, flood, strike, the transporting carrier, act of God, or by any other circumstances which are beyond the control of the bidder. Under such circumstances, however, the Village may, at its option, cancel the contract.

8.05 ASSIGNMENT:

Assignment of this contract or any part thereof, or any funds to be received there under by the contractor shall be subject to the written approval of the Village. Such assignment shall not relieve the bidder from their obligations or change the term of the contract.

8.06 WARRANTIES:

Unless otherwise specified, the bidder shall unconditionally guarantee the materials and

workmanship on all equipment furnished by them FOR A MINIMUM PERIOD OF ONE YEAR from date of delivery and installation if required unless otherwise specified in the specifications. If within the guarantee period, any defects or signs of deterioration are noted which, in the opinion of the Village, are due to faulty design and installation, workmanship, or materials, the Village shall notify the bidder. At the bidder's expense, the bidder shall repair or adjust the equipment or parts to correct the condition, or replace the part or entire unit to the complete satisfaction of the Village.

8.07 INSURANCE:

At the bidder's expense, the bidder shall secure and maintain in effect throughout the duration of this contract, insurance in adequate limits to cover all locations of the bidder's operations. The bidder shall furnish certificates of insurance to the Village prior to proceeding with the obligation for services or purchases under this bid. All insurance policies shall be written with insurance companies licensed to do business in the State of Illinois and having a rating of not less than A VI, according to the latest edition of the A.M. Best Company. Additional insured status shall be provided by original endorsement as least as broad as CG 20 10 04 13 or CG 20 26 04 13.

The Bidder understands and agrees that any performance bond or insurance protection required by this contract or otherwise provided by bidder, shall in no way limit the responsibility to indemnify, keep and save harmless, and defend the Village as herein provided.

Unless otherwise specified, the limits of liability for the insurance required shall provide coverage for not less than the following amounts, or greater where required by law. Limits will be provided on a per project basis.

(a) Commercial General Liability:
(1) Coverage to include Premise/Operations, Products/Completed Operations, Independent Contractors, Broad Form Property Damage, Contractual and Personal Injury.
(2) Limits:

General Aggregate	$ 2,000,000.00
Products/Completed	$ 1,000,000.00
Each Occurrence	$ 1,000,000.00
Personal Injury	$ 1,000,000.00

(3) Coverage is to be written on an "occurrence" basis.
(4) Products/Completed Operations coverage is to remain in force for a period of two (2) years after the completion of the project.
(5) Cover all claims arising out of the contractor's operations or premises, subcontractor's operations or premises, anyone directly or indirectly employed by the contractor or subcontractor, and the contractor's obligations of indemnification under this contract.

(b) Worker's Compensation and Employers Liability
(1) The insurance shall protect the Contractor against all claims under applicable State or Federal Worker's Compensation Laws. The Contractor shall also be protected against claims for injury, disease or death of employees which for any reason may not fall within the provisions of the Worker's Compensation Law. The policy shall include "broad form all states" endorsement coverage extended to cover all states except the monopolistic fund states.

(2) The liability limits shall not be less than:

Worker's Compensation .....Statutory
Employer's Liability .....$1,000,000 per occurrence

(c) Comprehensive Automobile Liability:
(1) Coverage to include all owned, hired, non-owned vehicles, and/or trailers and other equipment required to be licensed.
(2) Limits:
Bodily Injury and Property Damage, Combined Single Limit $ 1,000,000.00

8.08 INDEMNITY:

The contractor shall indemnify and save harmless the Village of Arlington Heights, its officers, agents and employees from any and all liability, losses or damages, including attorney's fees and costs of defense, the Village may suffer as a result of claims, demands, suits, actions or proceedings of any kind or nature, including worker's compensation claims, in any way resulting from or arising out of the operations of contractor under this contract, including operations of subcontractors; and the contractor shall, at his or her own expense, appear, defend and pay all fees of attorneys and all costs and other expenses arising there from or incurred in connection therewith; and, if any judgments shall be rendered against the Village in any such action, the contractor shall, at his or her own expense, satisfy and discharge same. Contractor expressly understands and agrees that any performance bond or insurance protection required by the contract, or otherwise provided by contractor, shall in no way limit the responsibility to indemnify, keep and save harmless, and defend the Village as herein provided.

8.09 CERCLA INDEMNIFICATION:

The contractor shall, to the maximum extent permitted by law, indemnify, defend, and hold harmless the Village, its officers, employees, agents, and attorneys from and against any and all liability, including without limitation, costs of response, removal, remediation, investigation, property damage, personal injury, damage to natural resources, health assessments, health settlements, attorneys' fees, and other related transaction costs arising under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, 42 U.S.C.A. Sec. 9601, et seq., as amended, and all other applicable statutes, regulations, ordinances, and under common law for any release or threatened release of the waste material collected by the contractor, both before and after its disposal.

8.10 MATERIAL SAFETY DATA SHEETS:

It is a federal law that chemical manufacturers and importers must develop an MSDS for each hazardous chemical they produce or import, and must provide the MSDS automatically at the time of the initial shipment of a hazardous chemical to a downstream distributor or user, or anytime the chemical makeup of the product is changed. Distributors must also ensure that downstream employers are similarly provided an MSDS.

Vendors who are awarded this contract, and if the above paragraph applies to this bid, must submit Material Data Sheets which include information regarding the specific chemical identity of the hazardous chemical(s) involved and the common names. In addition, information must be provided on the physical and chemical characteristics of the hazardous chemical; known acute and chronic health effects and related health information; exposure limits; whether the chemical is considered to be a carcinogen by NTP, IARC, or OSHA; precautionary measures; emergency and first-aid procedures; and the identification of the organization responsible for preparing the sheet.

8.11 EQUAL EMPLOYMENT OPPORTUNITY:

In the event of the contractor's noncompliance with the provisions of this Equal Employment Opportunity Clause, the Illinois Human Rights Act or the Illinois Department of Human Rights Rules and Regulations, the contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be canceled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation. During the performance of this contract, the contractor agrees as follows:

(a) That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, marital status, national origin or ancestry, age, physical or mental disability unrelated to ability, or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

(b) That, if it hires additional employees in order to perform this contract or any portion hereof, it will determine the availability (in accordance with the Department's Rules and Regulations) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

(c) That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, marital status, national origin or ancestry, age, physical or mental disability unrelated to ability, or an unfavorable discharge from military service.

(d) That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the contractor's obligations under the Illinois Human Rights Act and the Department's Rules and Regulations. If any such labor organization or representative fails or refuses to cooperate with the contractor in its efforts to comply with such Act and Rules and Regulations, the contractor will promptly so notify the Illinois Department of Human Rights and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations there under.

(e) That it will submit reports as required by the Illinois Department of Human Rights Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and the Department's Rules and Regulations.

(f) That it will have written sexual harassment policies that shall include, at a minimum, the following information: (i) the illegality of sexual harassment; (ii) the definition of sexual harassment under State law; (iii) a description of sexual harassment, utilizing examples; (iv) an internal complaint process including penalties; (v) legal recourse, investigative and process available through the Illinois Department of Human Rights and the Illinois Human Rights Commission; (vi) directions on how to contact the Department and Commission; (vii) protection against retaliation. A copy of the policies shall be provided to the Department upon request.

(g) That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Illinois Department of Human Rights for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and the Department's Rules and Regulations.

(h) That it will include verbatim or by reference the provisions of this clause in every subcontract

it awards under which any portion of the contract obligations are undertaken or assumed, so that such provisions will be binding upon each subcontractor. In the same manner as with other provisions of the contract, the contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Illinois Department of Human Rights in the event any subcontractor fails or refuses to comply therewith. In addition, the contractor will not utilize any subcontractor declared by the commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

9.00 PAYMENT

9.01 INVOICES:

Unless otherwise authorized by the Finance Director, vendor must submit single invoice copies for each purchase order immediately upon completion of shipment, or services. Partial payments may be acceptable if previously approved. If shipment is made by freight or express, original bill of lading, properly receipted, must be attached to invoice. Mail all invoices to:

VILLAGE OF ARLINGTON HEIGHTS
Finance Department, Accounts Payable Division
33 S. Arlington Heights Road
Arlington Heights, Illinois 60005

The Village provides payment in compliance with the Illinois Prompt Payment Act (50 ILCS 505/1 - 505/6).

VILLAGE OF ARLINGTON HEIGHTS
AFFIDAVIT OF COMPLIANCE

Applicant Graybar Electric - Adam Morrison
Name

1 Pierce Pl Suite 800 Itasca, IL 60143
Address

As a condition of entering into a contract with the Village of Arlington Heights, and under oath and penalty of perjury and possible termination of contract right and debarment, the undersigned, Jamie Pontecorvo, being first duly sworn on oath, deposes and states that he or she is Manager of CIG Sales (sole owner, partner, joint ventured, President, Secretary, etc..) of Graybar Electric and has the authority to
(Name of Company)
make all certifications required by this affidavit.

Section I

Non Collusion

The undersigned certifies that this bid is genuine and not collusive or sham, that said bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any bidder or person, to put in a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference with any person, to fix the bid price element of this bid, or of that of any other bidder, or to secure any advantage against any other bidder or any person interested in the proposed contract.

Section II

Bid Rigging and Rotating

The undersigned hereby certifies that it is not barred from bidding or contracting as a result of a conviction for violations of state laws prohibiting bid rigging or bid rotating or any similar offense of any state of the United States.

Section III

Illinois Drug Free Workplace Act

The undersigned further states that Graybar Electric provides a
(Name of Company)
drug free workplace pursuant to Illinois Statues, 30 ILCS 580/1, et seq and provides compliance with necessary requirements.

Section IV

Tax Payment

The undersigned further states that Graybar Electric is not
(Name of Company)
delinquent in payment of any taxes to the Illinois Department of Revenue, in accordance with Illinois Compiled Statues, 65 ILCS 5/11-42.1. The undersigned understands that making a false statement regarding delinquency in taxes is a Class A Misdemeanor and, in addition voids the contract and allows the municipality to recover all amounts paid to the individual or entity under the contract in civil action.

It is expressly understood the foregoing statements and representations and promises are made as a condition to the right of the bidder to receive payment under any award made under the terms and provisions of this bid.

The undersigned certifies that all the information contained in the Affidavit is true and correct.

Signed by: Jamie Pontecorvo Jamie Pontecorvo
Manager of CIG Sales
(Name)
(Title)

Subscribed and sworn to before me this 12 day of March 2025, AD.

By: Justina Turturici
(Notary Public)

-Seal-

JUSTINA TURTURICI
Official Seal
Notary Public - State of Illinois
My Commission Expires Mar 27, 2027

VILLAGE OF ARLINGTON HEIGHTS
INDEMNITY HOLD HARMLESS AGREEMENT

To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify and hold harmless the Village of Arlington Heights, its Board of Trustees, officers, agents and employees from any and all liability, losses or damages the Village may suffer as a result of claims, demands, suits, actions or proceedings of any kind or nature in any way resulting from or arising out of any action on the part of the Contractor or any Subcontractor. The Contractor shall, at its own expense; appear, defend and pay all charges of attorneys and all costs and other expenses arising there from or incurred in connection therewith, and, if any judgment shall be rendered against the Village of Arlington Heights, its Board of Trustees, officers, agents and employees, in any such action, the contractor shall, at its own expense, satisfy and discharge the same. This indemnification does not apply to liability caused by the Village's own negligence.

The Contractor expressly understands and agrees that any insurance policies required by this contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the Village of Arlington Heights, its Board of Trustees, officers, agents and employees as herein provided.

CONTRACTOR: Graybar Electric

By: Jamie Pontecorvo

VENDOR QUESTIONNAIRE

Company Name: Graybar Electric

Address: 1 Pierce Pl Suite 800

City: Itasca State: IL Zip: 60143

Phone: 630-376-5587 E-Mail: adam.morrison@graybar.com

Commodity: Electrical Years in Business: 50+ years

DBE (Disadvantaged Business Enterprise) Classification: Please indicate your DBE classification below, and provide any agency certifications you have received.

- Y MBE (Minority-Owned Business Enterprise): A business that is at least 51 percent owned by one or more minorities. A person who is a U.S. citizen or lawful permanent resident and is African American, Hispanic American, Asian American, Native American, as well as other groups found to be disadvantaged pursuant to Section 8 (a) of the Small Business Act.
- Y WBE (Women-Owned Business Enterprise): A business that is at least 51 percent owned by a woman or women who are United States Citizens or lawful permanent residents of the United States.
- Y DOBE (Disability-Owned Business Enterprise): A business that is at least 51 percent owned by a person or group of persons with a disability, as recognized by the Americans with Disabilities Act.
- Y VOSB (Veteran-Owned Small Business): A business that meets the qualifications to be a small business according to the SBA, and is at least 51 percent owned, operated and controlled by a veteran.
- (Y) Not Applicable

Certifications:
Agency/Institution: _____

Phone: _____ Approval Date: _____

I hereby certify that the information supplied in this form is complete and correct to the best of my knowledge and belief. I authorize The Village of Arlington Heights to verify any of this information as needed.

Signature: _____ Title: Outside Sales Rep

Name: Adam Morrison Date: 3-12-25

SPECIFICATIONS

VILLAGE OF ARLINGTON HEIGHTS

DEPARTMENT OF PUBLIC WORKS

Material Bid
FURNISHING OF STREET LIGHT
LIGHT EMITTING DIODE (LED) FIXTURES

GENERAL OBJECTIVE

The objective of these specifications is to define the criteria to be used in furnishing new Street light LED Light fixtures to the Village of Arlington Heights.

SCOPE OF SERVICES

The bidder shall become fully acquainted with the nature of the materials to be furnished. The proposal shall include all costs associated with furnishing two-hundred fifty (250) Street Lights LED Lighting fixtures as specified herein. The Village reserves the right to purchase additional light fixtures at the unit prices bid herein. Said pricing shall be in effect for 30 days after the bid date. The bidder shall provide data or proof that the LED lighting fixtures proposed are as specified.

The LED streetlights must be supplied as new manufactured fixtures to fit onto existing street light arms. **Retro-fit kits will not be accepted. The existing light fixtures were not originally designed for LED lighting and the Village will not accept retrofitting of these fixtures under any circumstances.**

LOCATION

These fixtures will be installed on arterial roadway street lights in the Village of Arlington Heights. All existing high pressure sodium street lighting fixtures are to be replaced by Village staff. This bid is only for furnishing and delivery of the fixtures. There is no installation involved in this bid.

PART 1 - GENERAL CONDITIONS

The bidder shall comply with the attached "General Conditions - Purchasing" unless specifically modified in these specifications.

INSTRUCTION TO BIDDERS

The bidder shall comply with the attached "Instructions to Bidders" unless specifically modified in these specifications.

DELIVERY

The LED Street lights fixture bid shall be submitted electronically through the Bid Management System prior to the time specified for the bid opening. If a bid cannot be submitted electronically, please contact the Purchasing Coordinator. Provisions will be made to deliver the specified products carted, crated, or packaged to mitigate material damage. Contact Public Works prior to delivery at (847) 368-5800.

PAYMENT

Payment will be made at the total bid price or the applicable unit price for additional fixtures and shall include all costs of furnishing and delivering the LED light fixtures. No payment will be made for any material damaged in transit, or material malfunctioning. Provisions shall be made by the bidder to facilitate return or pick-up of any damaged materials at no cost to the Village, irrespective of any stated warranties.

BID GUARANTEE

A bid guarantee in the amount of 5% of the total bid price shall accompany the proposal. The guarantee shall be in the form of a cashier's check or certified check payable to the Village of Arlington Heights.

INFORMATION AND QUESTIONS

Questions regarding these specifications should be referred to Steven J. Mullany, Public Works Services Coordinator at 847-368-5800, or by email to: smullany@vah.com.

PART 2 – DETAILED SPECIFICATIONS

STREET LIGHT FIXTURE

The LED roadway fixture unit supplied shall be a COOPER LIGHTING GROUP LED Street Luminaire – Streetworks Archeon Small Series fixture. NO substitutions will be acceptable.

LUMINAIRE SPECIFICATIONS

The luminaires shall have the following options:

ARCH-S-PA2-130-740-U-T2R-AP-20K-K-PSC-PRZ-10X

Product – ARCH
Mounting – HT Horizontal Tenon
Optic – T2R Type II Roadway
Input Power – 130w

CCT – 740=70 CRI 4000k
Voltage – Universal 120 -277v
Color Option – Grey
Utility Label/Receptacle – 7 pin twistlock NEMA Photocell Receptacle
Options – Series 20k surge protection devise

LIGHT SOURCE

LED Correlated Color Temperature must be 4000K (+/-175k), and a minimum Color Rendering Index (CRI) of 70. The CRI shall be measured with LEDs installed in the fixture.

WARRANTY

The luminaires shall be free from all defects in materials and workmanship for a period of ten (10) years from the date of manufacture.

The luminaire's manufacturer shall warrant the LED boards/system, during the stated warranty period, against failure defined as one non-operating LED.

The driver as specified shall be warranted for ten (10) years.

A full sheet of product specifications must be submitted at the time of bid.

SUBMITTALS

The following information must be submitted with the bidder's proposal and required certifications.

1. Bid guarantee – As specified 5%
2. Lighting Facts label
3. Verification of UL or ETL listing in United States for both luminaires and drivers.
4. Manufacturer's Lumen maintenance projections.
5. LM-80-08 report for specified light source(s).
6. Photometric test reports for each fixture type performed in accordance with LM-79-08. Including Goniophotometry testing reports for each fixture type and Integrated Sphere testing reports for each fixture type.
7. Calculations for fixture to document foot candles levels and uniformity.
8. Report or certification documenting the luminaire be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines.
9. Written 10-year warranties for luminaires and drivers.

10. Reference List
11. Full set of cut sheets and product specifications of fixture.

BID AWARD

The Village shall award this bid based on the quality of the proposed fixtures, compliance with the specifications and submittal requirements, and the ability of the proposing company to support these fixtures for their intended life.

The Village reserves the right to waive technicalities and choose the fixtures that serve the best interest of the Village and its residents.

PROPOSAL

VILLAGE OF ARLINGTON HEIGHTS
PUBLIC WORKS DEPARTMENT

FURNISHING OF COOPER LIGHTING GROUP
ARCHEON LED STREET LIGHT FIXTURES - SMALL

After becoming familiar with the General Conditions, Special Conditions, Instruction to Bidders, and the Specifications herein, the undersigned proposes to furnish to the Village of Arlington Heights Finance Department 33 South Arlington Heights Road, Arlington Heights, IL 60005) as follows:

	TOTAL BID PRICE
Fixture ARCH-S-PA2-130-740-U-T2R-AP-20K-K-PSC-PRZ-10X	
Fixture price	$ 253,00
Quantity Total	250
TOTAL BID PRICE INCLUDING SHIPPING	$ 63,250,00
(Price for Single Fixture Purchase)	$ 290.00

Materials to be delivered within 60 days of award.

BIDDER'S COMPANY NAME: Graybar Electric

ADDRESS: 1 Pierce Pl Suite 800 Itasca, IL 60143

AGENT'S SIGNATURE: _____ TITLE: Outside Sales Rep

PHONE NUMBER: 630-376-5587 DATE: 3-12-25

EMAIL adam.morrison@graybar.com

References

List below the names of customers/clients where similar types of work have been completed within the last three (3) years:

NAME OF COMPANY Village of Arlington Heights

ADDRESS 33 S. Arlington Heights Rd Arlington Heights, IL 60005

PERSON IN CHARGE Scott Bellanger

PHONE NUMBER 847-744-9719

TYPE OF WORK DONE Cooper Cobrahead Replacement

NAME OF COMPANY Village of Northbrook

ADDRESS 655 Huehl Rd Northbrook IL 60062

PERSON IN CHARGE Joe Lizzo

PHONE NUMBER 847-571-0200

TYPE OF WORK DONE Cobrahead Replacement

NAME OF COMPANY Village of Addison

ADDRESS 1 Friendship Plaza Addison, IL 60101

PERSON IN CHARGE Eddie Paladino

PHONE NUMBER 224-523-6041

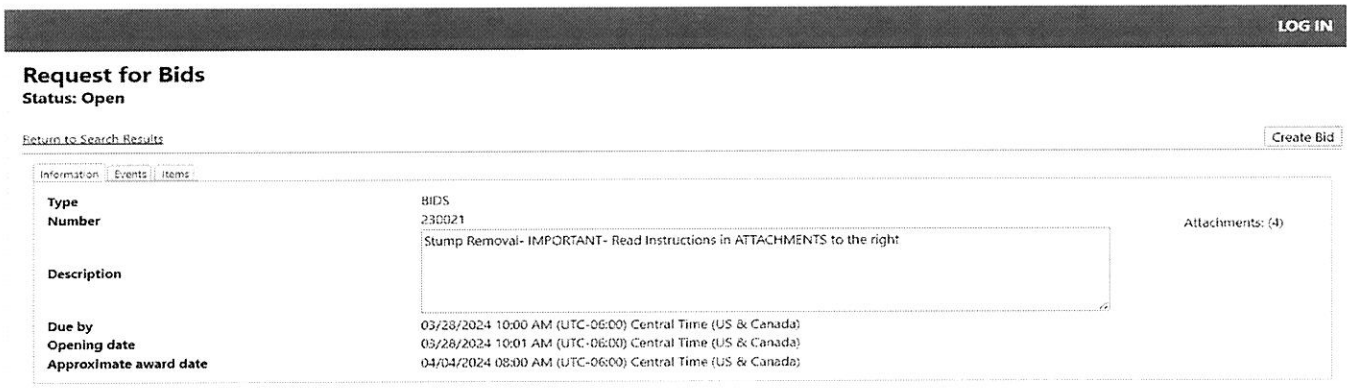
TYPE OF WORK DONE Cobrahead Replacements

Instructions to Register as a Vendor and Submit a Bid

I. Instructions to Register as a Vendor:

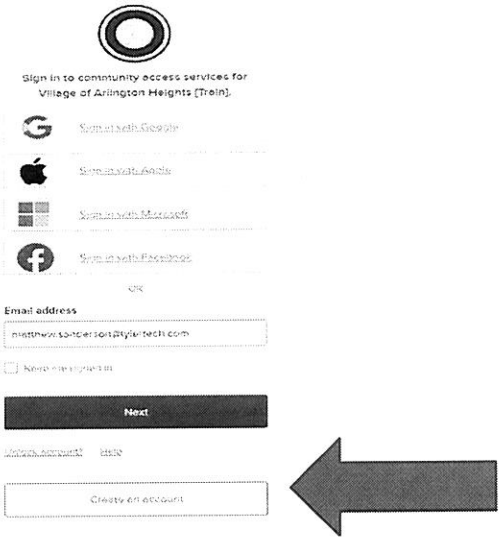
- **It is imperative that you register as a vendor and be logged in PRIOR TO VIEWING the Bid Documents. This is the only way to connect you to the bid and allow us to send you updates, such as addendums.**
- **If you are currently doing business with the Village of Arlington Heights or if your company has ever signed in to see a bid electronically with us, you ALREADY have a vendor number assigned to you.**
    - **Please follow the instructions to LINK to your vendor # and NOT create a new vendor #.**
    - **Please contact Lisa Subrin if you do not know your vendor number. Your vendor number can also be found on our POs and checks.**
- **If you have questions, email Lisa Subrin at lsubrin@vah.com**
- If you need to get back to the bids at any time, specifications/bid documents may be obtained with the following link: https://vilofarlingtonheightsil.munisselfservice.com/vss/Vendors/VBids/Default.aspx
- Type in the bid # and click search. Next click on the bid #, and then click on the attachments on the right-hand side to find instructions.

1) Click on "Log In" upper right corner.

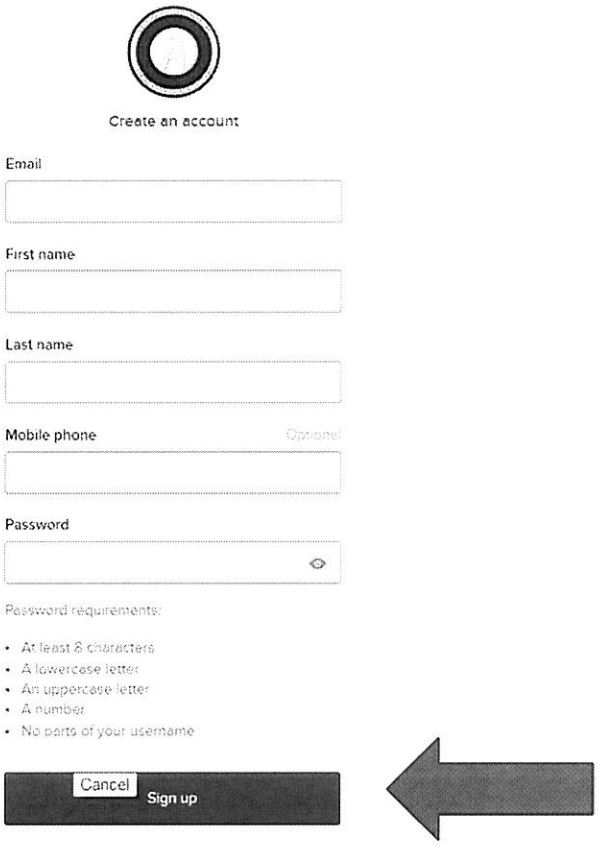


2) If you have a Tyler Identity already from another customer, log in and you will get an email verification. Go to Step 6

3) If you do not have a Tyler Identity, scroll down to the bottom and click on "Create account"



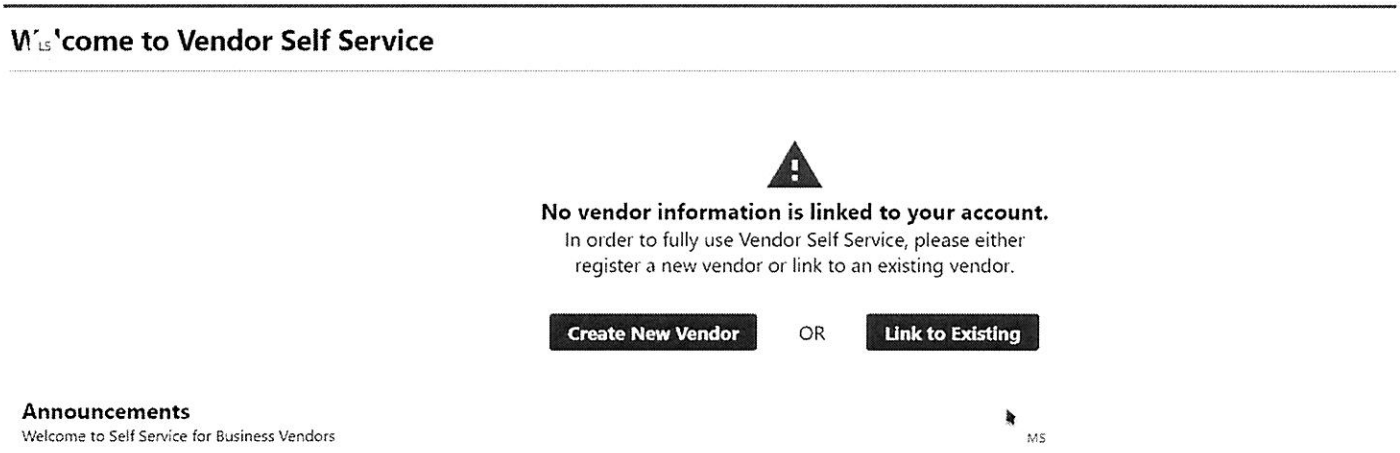
4) Enter email, name, phone# & create a password. Then click sign-up.



5) Enter the code you received via email to verify your email.

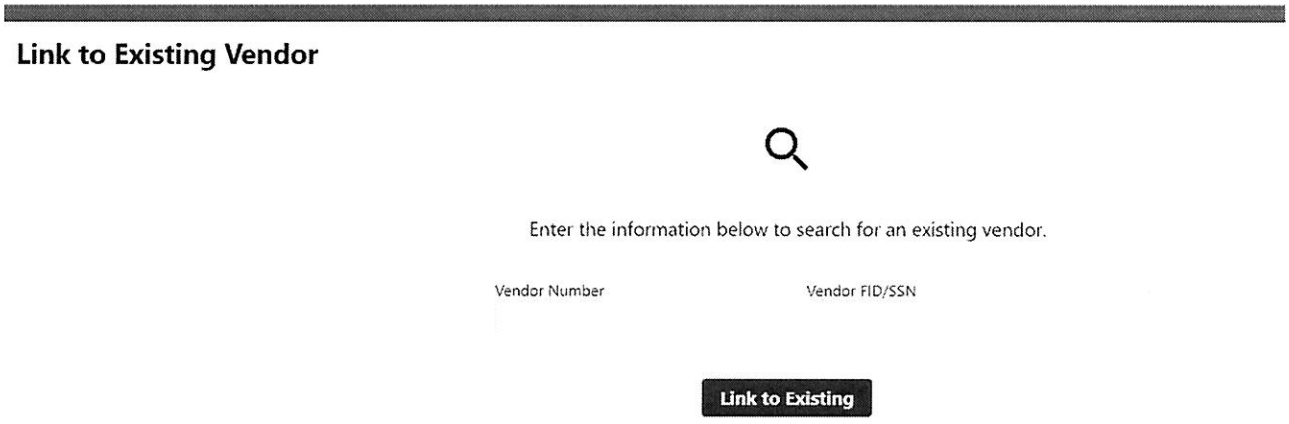
6) Click on the correct choice in the screen below
   a. Create new vendor- if you are not currently doing business with us. Go to Step 10.
   b. Link to Existing- if you are a current vendor. You will need your vendor # and FID #. Your vendor # can be found on a check or email me at lsubrin@vah.com Go to Step 7.

   **** Please do NOT create a new account if you have ever done business with the Village of Arlington Heights before. Please email me at lsubrin@vah.com if you are not sure and need me to check.**

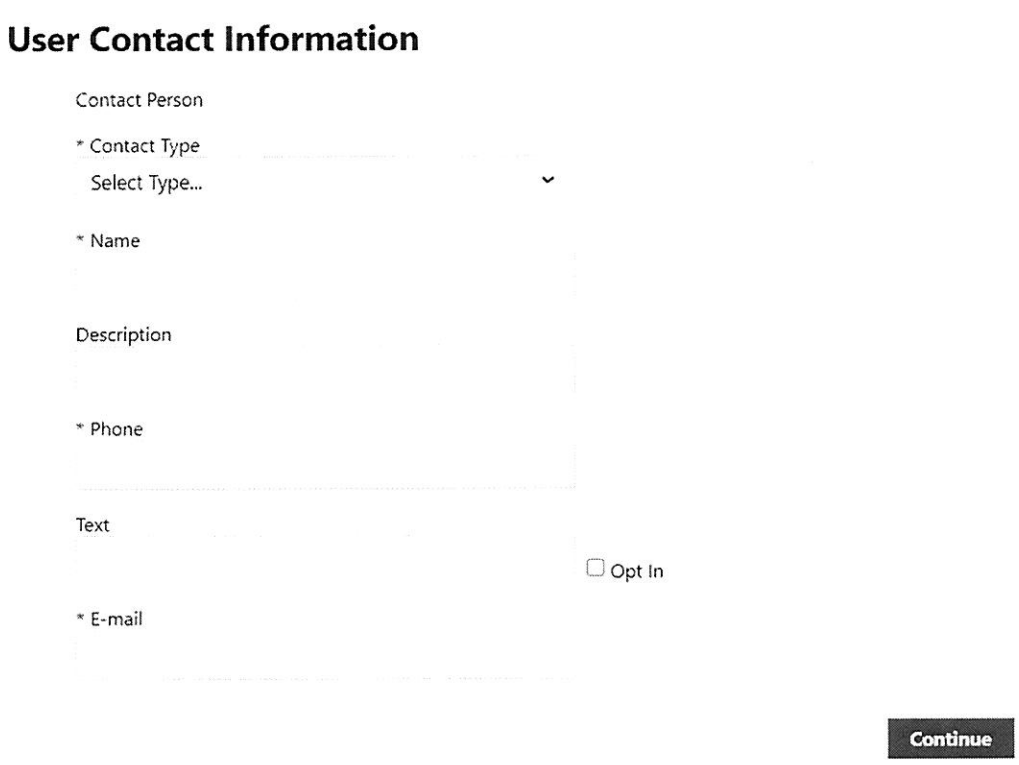


Existing Vendors:

7) Fill in your vendor # in our system and Vendor FID/SSN and click "Link to Existing



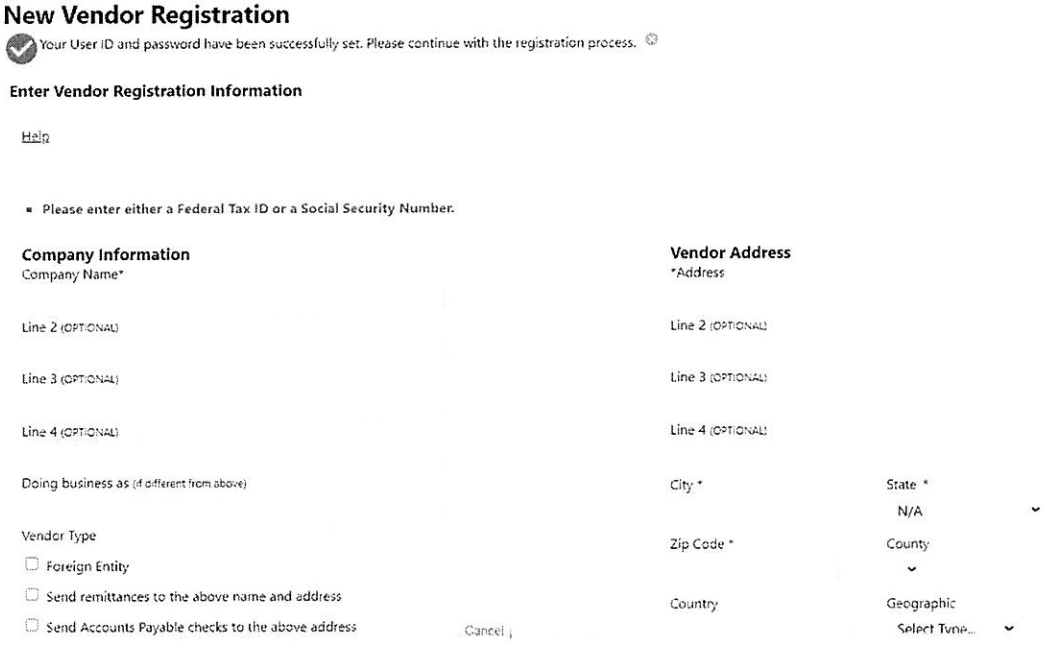
8) Fill out the form to add a contact. Continue. This is a required step



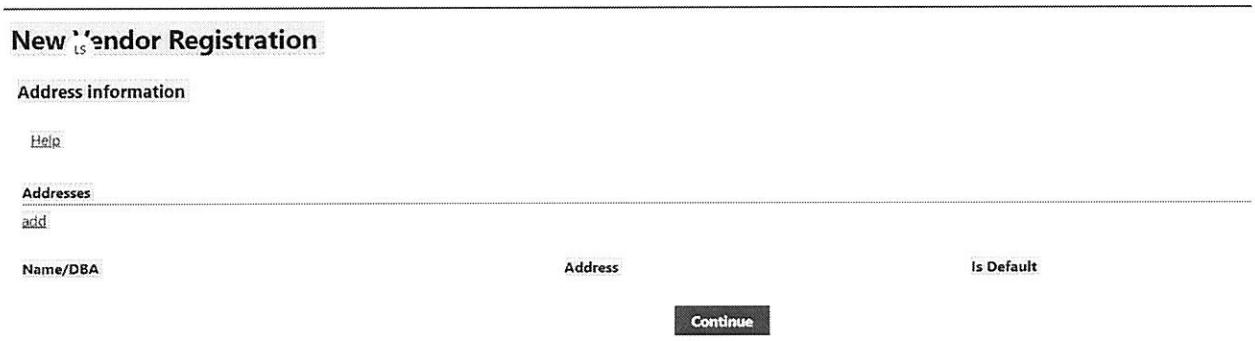
9) The next screen will be a Welcome to Vendor Self Service. **Go to Step 21 below.**

NEW VENDORS

10) Enter Company name, email, **the accounts payable address**, minority information, if applicable, select FID or SS, enter in the # 2 times. Do not enter anything in the **"county"** field. It is not applicable to us. Continue



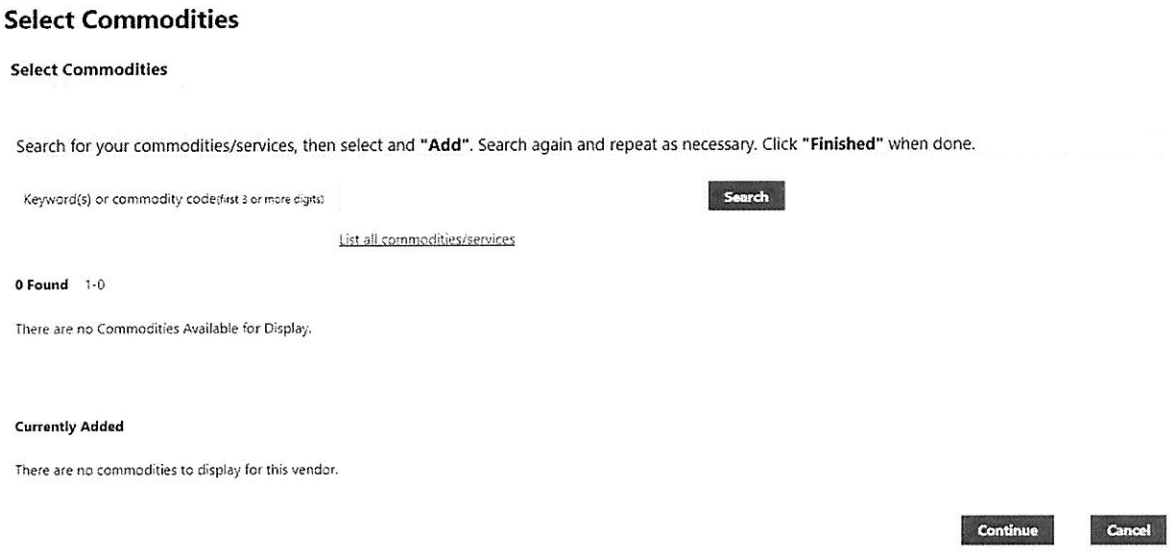
11) 2nd address- skip this step. Continue



12) Enter contact info

13) Verify or add more contacts.
   a. Confirm contact info is correct and continue.
   b. Use the paper & pen icon to make edits.
   c. Add another new contact button

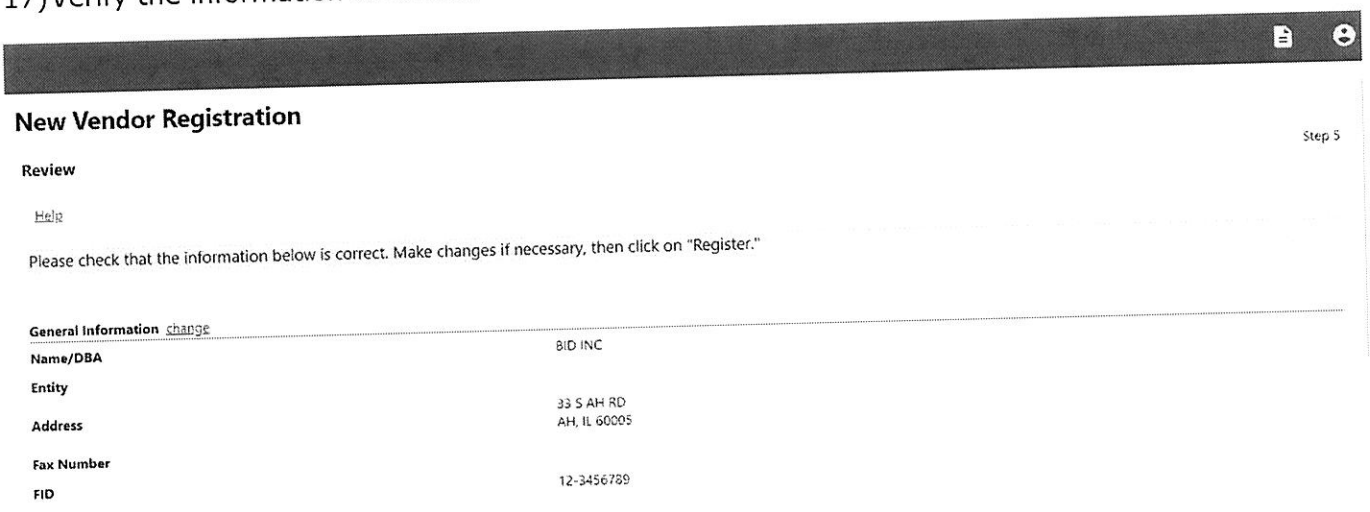
14) **Skip "Select Commodities" Screen**. Continue.



15) Review Vendor information.
   a. use the change buttons as needed.

16) Attach your W-9 by clicking on the "Attach" button in the W-9 row, choose & add the file. Continue.

17) Verify the information is correct



New Vendor Registration

Step 5

Review

Help

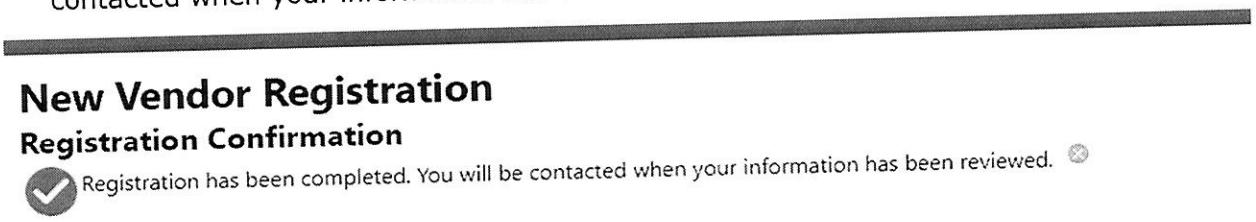
Please check that the information below is correct. Make changes if necessary, then click on "Register."

General Information change

Name/DBA	BID INC
Entity	
Address	33 S AH RD AH, IL 60005
Fax Number	
FID	12-3456789

18) Click register button

19) You will receive a pop message that states your "Registration has been completed. You will be contacted when your information has been reviewed"



New Vendor Registration

Registration Confirmation

Registration has been completed. You will be contacted when your information has been reviewed.

You can now:

- Register for commodities/services and/or update your profile.
- Upload attachment documents to your profile.

20) You will receive an email from "noreply" stating

Dear {3},
We are pleased to advise that your registration has been completed under account {0}. The Village will review your application and email you within 48 hours to confirm approval or request additional information. You can now review the bids, by selecting "Bids" on the left navigation bar. Please save this URL below for future reference.
Website Address: {1}
Username: {2}

21) You can now review the bid details, by selecting "Bids" on the left navigation bar.

22) I will review your vendor information and email you within 48 hours to confirm approval or request additional information.

23) Next see Instructions on How to Submit a Bid below.

- **Instructions on How to Submit a Bid:**

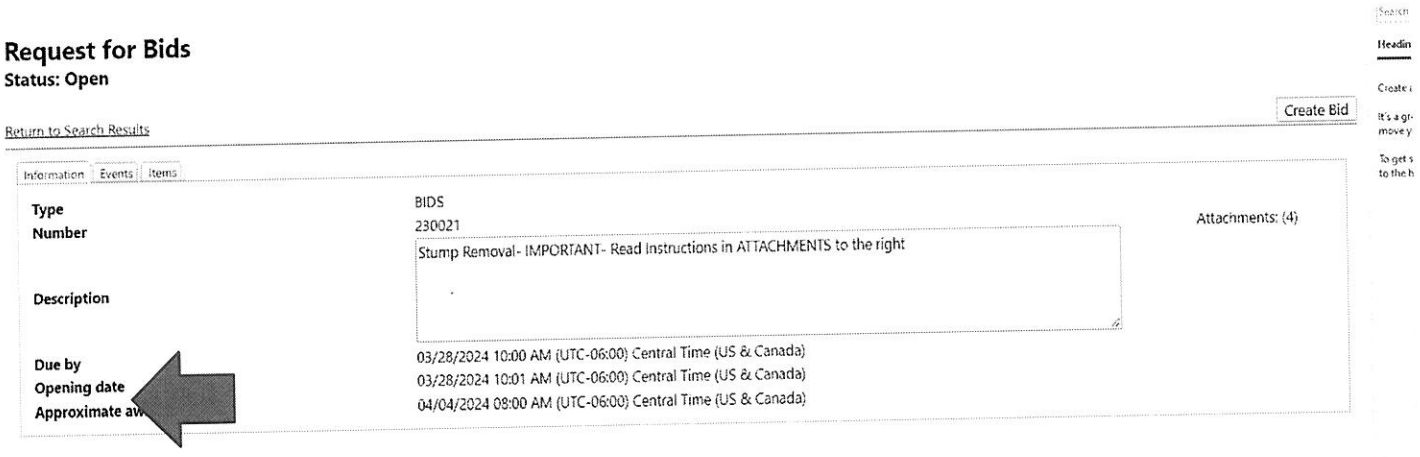
1) You can now review the bid details, by selecting "Bids" on the left navigation bar.
   a. **Once again, it is crucial that you register as a vendor as soon as possible. This is the only way to ensure you get emailed updates on the bid.**
   b. **Do not wait until the last minute to submit your bid, because it may take you longer the first time you use the new system.**

2) Enter the Bid # you are interested in and search. The Bid Number is identified at the top of the Bid Notice.

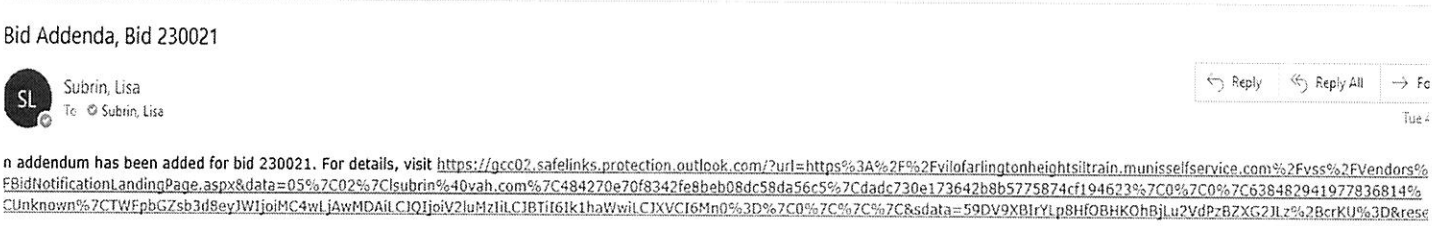
3) Click on the Bid #

4) Click on the attachments on the right-hand side to find all the documents for this bid. It will include the Complete Bid Document, possibly a Bid Proposal Page and a Documents to Be Returned. The Complete Bid Document will outline which documents are required.

5) There are 3 or 4 tabs-
   a. Information- General Information about the Bid. This screen shows the date the bid is due and the Bid Opening date.
   b. Events- Information about the Bid Opening and the Pre-Bid Meeting, if applicable.
   c. Items- list the items to bid on.
   d. Addendum- there will be a 4th tab if an addendum has been issued. An addendum may be updated throughout the bid process. If you are registered as a vendor for this bid, you will be notified if an addendum is issued via email. See step 6 below.



6) If an addendum is issued after your initial look at the Bid Document, you will receive an email with a link to click on, see example below. The link will take you back to Bid Central where you will enter the bid # and click on search. Then click on the bid # and then the addendum tab.

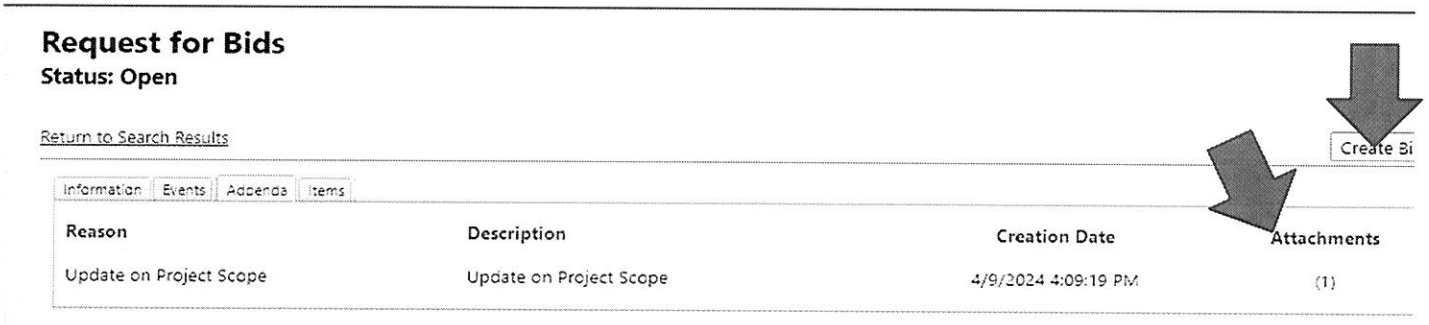

Bid Addenda, Bid 230021

SL Subrin, Lisa
To: Subrin, Lisa

Reply Reply All → Fo
Tue 4

n addendum has been added for bid 230021. For details, visit https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fvilofarlingtonheightsiltrain.munisselfservice.com%2Fvss%2FVendors%2FBidNotificationLandingPage.aspx&data=05%7C02%7Clsubrin%40vah.com%7C484270e70f8342fe8beb08dc58da56c5%7Cdadc730e173642b8b5775874cf194623%7C0%7C0%7C638482941977836814%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=59DV9XBIrYLp8HfOBHKOhBjLu2VdPzBZXG2JLz%2BcrKU%3D&rese

7) Open the addendum by hoovering over the attachment button and click on the attachment.


Request for Bids
Status: Open

Return to Search Results

Create Bi

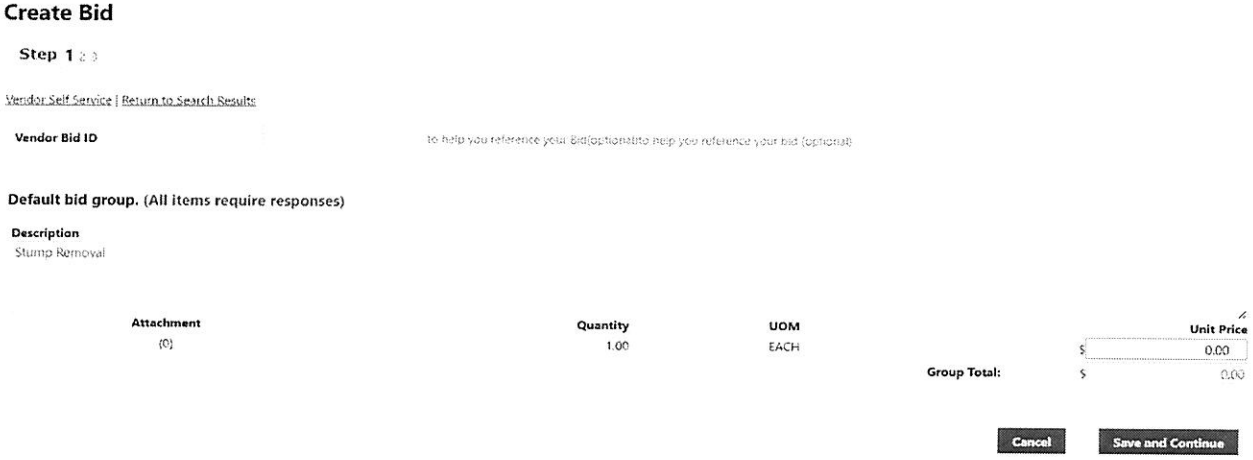
Information | Events | Addenda | Items

Reason	Description	Creation Date	Attachments
Update on Project Scope	Update on Project Scope	4/9/2024 4:09:19 PM	(1)

8) Be sure to print, read and sign the addendum. You will need to attach the **signed** addendum with your bid proposal.

9) Once you have reviewed the documents and you are ready to submit a bid, click on the "create bid" button found at the top right. See screen shot above.

10) Create Bid Screen
   a. Vendor Bid ID is optional, and it is a # that you are going to use internally. It has nothing to do with our Bid Number.
   b. Enter your total cost. This is the dollar amount that will be read at the Bid Opening. Your bid will be sealed until the Bid Opening.
   c. Save


Create Bid

Step 1 2 3

Vendor Self Service | Return to Search Results

Vendor Bid ID

to help you reference your Bid(optional)to help you reference your bid (optional)

Default bid group. (All items require responses)

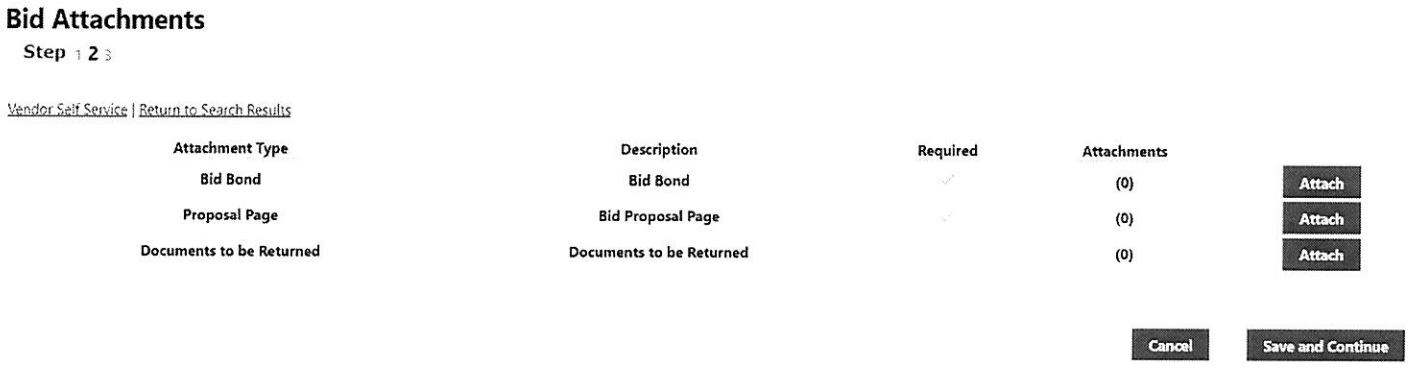
Description
Stump Removal

Attachment	Quantity	UOM	Unit Price
(0)	1.00	EACH	$ 0.00

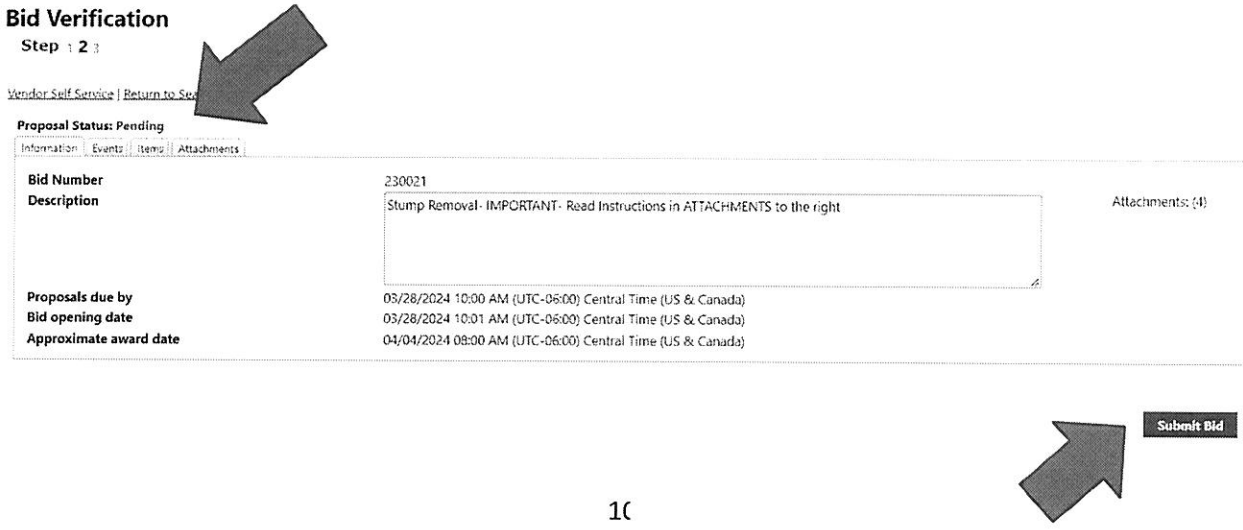
Group Total: $ 0.00

Cancel | Save and Continue

11) **Bid Attachments Screen**- Attach the documents outlined on the screen and pay attention to the ones checked as 'required". You will not be able to submit your bid if you do not attach the required files. Bids vary, so the list of attachments may look different than the example below. **You can only submit pdf files.** Also, if you have a cashier's check for the bid bond, please upload a picture of the check to the Bid Bond line item. Please mail the actual check to the attention of Lisa Subrin at Village of Arlington Heights, 33 S Arlington Heights Road, Arlington Heights, IL 60005
    a. Click on the "Attach" button 1 at a time and attach the appropriate document.
    b. Be sure you have attached a document for each item. Sometimes is touchy and it might take a 2nd try. **You will not be able to submit your bid without the required attachments.**
    c. Save
    d. Pop Message states "Response Updated Successfully", hit "OK"



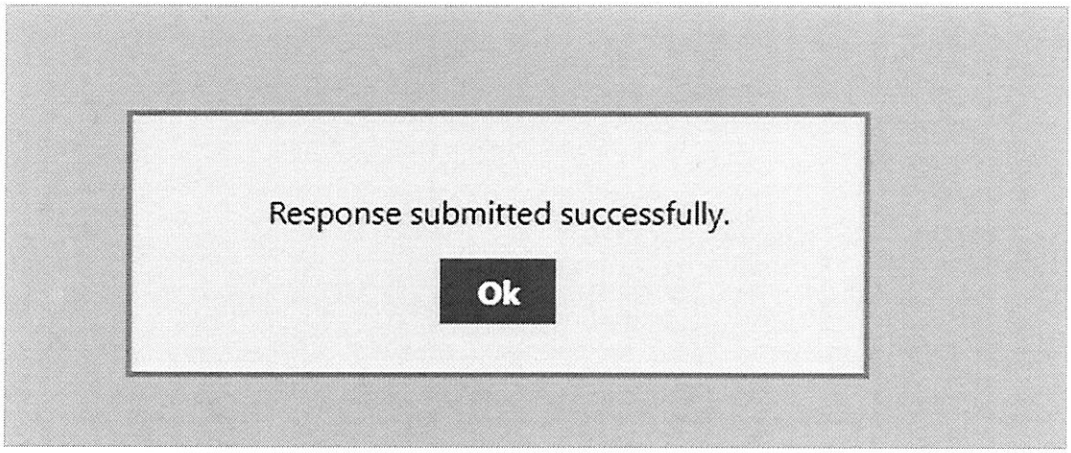
12) **Bid Verification Screen-** Your Bid will now show Pending. **Be sure to check you have entered the right bid cost and attached the right documents. You cannot change your bid once it has been submitted.** If you leave before submitting your bid, it will showing "pending" when you sign back in.



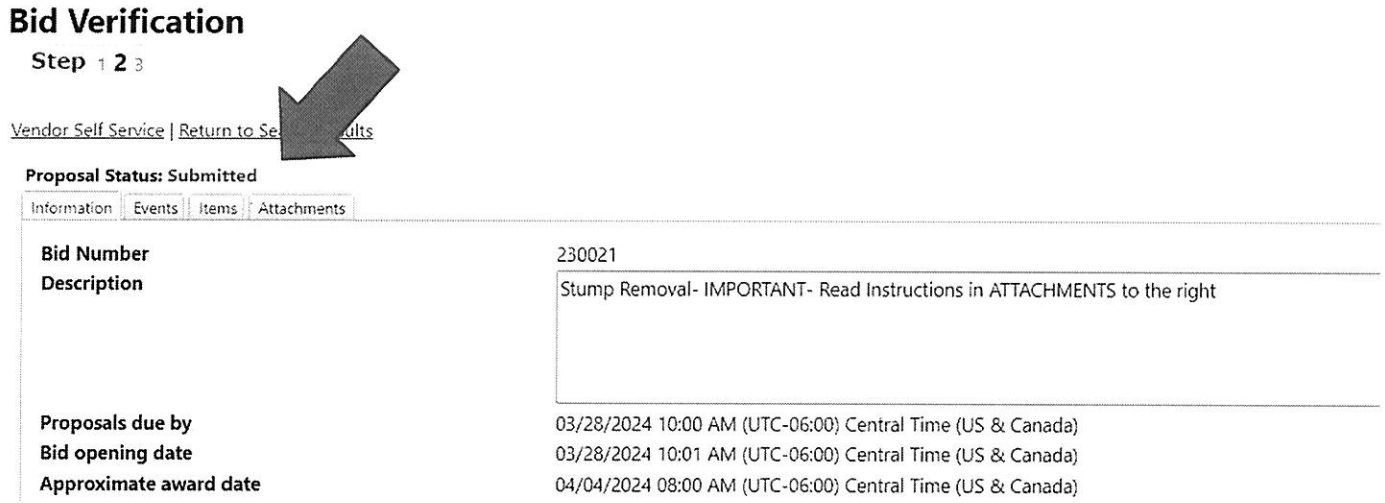
13) Click on Submit Bid button, see above, or come back later to finish your bid

14) If you come back later to submit and there is an **"!"** mark by Items or Attachments, that indicates you are missing data.

15) You receive a pop-up message stating, "Response submitted successfully." Click "OK"



16) The Bid Verification screen will now show "submitted".



17) Attend the Bid Opening, optional.

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Addendum # 1

Date: March 11, 2025

To: All Bidders on the following Project

Project: **Furnishing of Streetlight LED Fixtures**
Bid Opening: Thursday March 13, 202 at 10:00 AM

The following addendum shall be included and is considered part of the bid documents. The Bidder shall acknowledge receipt of this addendum and inclusion in the bid by including a signed copy with the sealed bid submitted. Failure to return this form may result in disqualification of the Bidder.

1. Clarification on the bid bond:

   - There is not a bid bond required for this bid.
   - Pages 3 and 19, see attached, have been modified to reflect that a bid bond s not required.

Bidder's Acknowledgment of Receipt:

Company Name: Graybar Electric

Signature: [signature]

Print Name: Adam Morrison

Title: Outside Sales Representative

Date: 3-12-25

Failure to return this form may result in disqualification of the Bidder

VILLAGE OF ARLINGTON HEIGHTS
GENERAL CONDITIONS AND INSTRUCTION TO BIDDERS
PURCHASES

THE GENERAL TERMS AND CONDITIONS WHICH FOLLOW APPLY TO ALL PURCHASES AND BECOME A DEFINITE PART OF EACH FORMAL INVITATION TO BID, PURCHASE ORDER, OR CONTRACT ISSUED BY THE VILLAGE OF ARLINGTON HEIGHTS ("VILLAGE"), UNLESS OTHERWISE SPECIFIED. BY SUBMITTING A BID, THE BIDDER AGREES TO BE BOUND BY THESE TERMS AND CONDITIONS. BIDDERS OR THEIR AUTHORIZED REPRESENTATIVES ARE EXPECTED TO FULLY INFORM THEMSELVES OF THE CONDITIONS, REQUIREMENTS, AND SPECIFICATIONS BEFORE SUBMITTING BIDS, FAILURE TO DO SO WILL BE AT THE BIDDER'S OWN RISK AND THE BIDDER CANNOT SECURE RELIEF ON THE PLEA OF ERROR.

1.0 BIDDING PROCEDURES

1.01 PROPOSAL FORMS:

Proposals shall be submitted electronically through the Bid Management System. All information required by the bidding documents must be supplied to constitute a responsive bid.

1.02 BID DEPOSIT: N/A

Each bid will be accompanied by a bid guaranty in the form and amount as specified in the Notice to Bidders. When a bid bond is allowed as detailed in the Invitation to Bid, the bid bond will be signed by a surety company authorized to do business in the State of Illinois. Bid deposits shall not exceed 10% of total bid. Bids submitted without the required bid guaranty shall be considered informal and will be rejected. Bid deposits submitted by the successful contractor will be held as security until a contract is signed. Failure to provide goods as agreed, may result in the forfeiture of your bid deposit.

1.03 SUBMISSION OF BIDS:

All bid/proposals should be submitted electronically through the Bid Management System prior to the time specified for opening the bid. If a bid cannot be submitted electronically, please contact the Purchasing Coordinator. Bids received prior to the opening will be securely kept, unopened. The Purchasing Coordinator, or their designated agent, will decide when the specified time for the bid opening has arrived, and bids will be opened as soon as practical after the assigned time. Formal sealed bids, amendments thereto, or requests for withdrawal of bids after the time specified for the bid opening will not be considered. Formal bids received after the specified bid time will not be considered and will be returned unopened. No responsibility will attach to the Purchasing Coordinator or to the Village for the premature or non-opening of a bid not properly addressed and identified, except as otherwise provided by law.

1.04 ADDENDUM:

Bidders shall acknowledge the receipt of any addendum interpreting the specifications on the proposal form.

DELIVERY

The LED Street lights fixture bid shall be submitted electronically through the Bid Management System prior to the time specified for the bid opening. If a bid cannot be submitted electronically, please contact the Purchasing Coordinator. Provisions will be made to deliver the specified products carted, crated, or packaged to mitigate material damage. Contact Public Works prior to delivery at (847) 368-5800.

PAYMENT

Payment will be made at the total bid price or the applicable unit price for additional fixtures and shall include all costs of furnishing and delivering the LED light fixtures. No payment will be made for any material damaged in transit, or material malfunctioning. Provisions shall be made by the bidder to facilitate return or pick-up of any damaged materials at no cost to the Village, irrespective of any stated warranties.

BID GUARANTEE **N/A**

A bid guarantee in the amount of 5% of the total bid price shall accompany the proposal. The guarantee shall be in the form of a cashier's check or certified check payable to the Village of Arlington Heights.

INFORMATION AND QUESTIONS

Questions regarding these specifications should be referred to Steven J. Mullany, Public Works Services Coordinator at 847-368-5800, or by email to: smullany@vah.com.

PART 2 – DETAILED SPECIFICATIONS

STREET LIGHT FIXTURE

The LED roadway fixture unit supplied shall be a COOPER LIGHTING GROUP LED Street Luminaire – Streetworks Archeon Small Series fixture. NO substitutions will be acceptable.

LUMINAIRE SPECIFICATIONS

The luminaires shall have the following options:

ARCH-S-PA2-130-740-U-T2R-AP-20K-K-PSC-PRZ-10X

Product – ARCH
Mounting – HT Horizontal Tenon
Optic – T2R Type II Roadway
Input Power – 130w

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Addendum # 1

Date: March 11, 2025

To: All Bidders on the following Project

Project: **Furnishing of Streetlight LED Fixtures**
Bid Opening: Thursday March 13, 202 at 10:00 AM

The following addendum shall be included and is considered part of the bid documents. The Bidder shall acknowledge receipt of this addendum and inclusion in the bid by including a signed copy with the sealed bid submitted. Failure to return this form may result in disqualification of the Bidder.

1. Clarification on the bid bond:
    - There is not a bid bond required for this bid.
    - Pages 3 and 19, see attached, have been modified to reflect that a bid bond s not required.

Bidder's Acknowledgment of Receipt:

Company Name: Graybar Electric

Signature:

Print Name: Adam Morrison

Title: Outside Sales Representative

Date: 3-12-25

Failure to return this form may result in disqualification of the Bidder

VILLAGE OF ARLINGTON HEIGHTS
GENERAL CONDITIONS AND INSTRUCTION TO BIDDERS
PURCHASES

THE GENERAL TERMS AND CONDITIONS WHICH FOLLOW APPLY TO ALL PURCHASES AND BECOME A DEFINITE PART OF EACH FORMAL INVITATION TO BID, PURCHASE ORDER, OR CONTRACT ISSUED BY THE VILLAGE OF ARLINGTON HEIGHTS ("VILLAGE"), UNLESS OTHERWISE SPECIFIED. BY SUBMITTING A BID, THE BIDDER AGREES TO BE BOUND BY THESE TERMS AND CONDITIONS. BIDDERS OR THEIR AUTHORIZED REPRESENTATIVES ARE EXPECTED TO FULLY INFORM THEMSELVES OF THE CONDITIONS, REQUIREMENTS, AND SPECIFICATIONS BEFORE SUBMITTING BIDS, FAILURE TO DO SO WILL BE AT THE BIDDER'S OWN RISK AND THE BIDDER CANNOT SECURE RELIEF ON THE PLEA OF ERROR.

1.0 BIDDING PROCEDURES

1.01 PROPOSAL FORMS:

Proposals shall be submitted electronically through the Bid Management System. All information required by the bidding documents must be supplied to constitute a responsive bid.

1.02 BID DEPOSIT: N/ A

Each bid will be accompanied by a bid guaranty in the form and amount as specified in the Notice to Bidders. When a bid bond is allowed as detailed in the Invitation to Bid, the bid bond will be signed by a surety company authorized to do business in the State of Illinois. Bid deposits shall not exceed 10% of total bid. Bids submitted without the required bid guaranty shall be considered informal and will be rejected. Bid deposits submitted by the successful contractor will be held as security until a contract is signed. Failure to provide goods as agreed, may result in the forfeiture of your bid deposit.

1.03 SUBMISSION OF BIDS:

All bid/proposals should be submitted electronically through the Bid Management System prior to the time specified for opening the bid. If a bid cannot be submitted electronically, please contact the Purchasing Coordinator. Bids received prior to the opening will be securely kept, unopened. The Purchasing Coordinator, or their designated agent, will decide when the specified time for the bid opening has arrived, and bids will be opened as soon as practical after the assigned time. Formal sealed bids, amendments thereto, or requests for withdrawal of bids after the time specified for the bid opening will not be considered. Formal bids received after the specified bid time will not be considered and will be returned unopened. No responsibility will attach to the Purchasing Coordinator or to the Village for the premature or non-opening of a bid not properly addressed and identified, except as otherwise provided by law.

1.04 ADDENDUM:

Bidders shall acknowledge the receipt of any addendum interpreting the specifications on the proposal form.

DELIVERY

The LED Street lights fixture bid shall be submitted electronically through the Bid Management System prior to the time specified for the bid opening. If a bid cannot be submitted electronically, please contact the Purchasing Coordinator. Provisions will be made to deliver the specified products carted, crated, or packaged to mitigate material damage. Contact Public Works prior to delivery at (847) 368-5800.

PAYMENT

Payment will be made at the total bid price or the applicable unit price for additional fixtures and shall include all costs of furnishing and delivering the LED light fixtures. No payment will be made for any material damaged in transit, or material malfunctioning. Provisions shall be made by the bidder to facilitate return or pick-up of any damaged materials at no cost to the Village, irrespective of any stated warranties.

BID GUARANTEE **N/A**

A bid guarantee in the amount of 5% of the total bid price shall accompany the proposal. The guarantee shall be in the form of a cashier's check or certified check payable to the Village of Arlington Heights.

INFORMATION AND QUESTIONS

Questions regarding these specifications should be referred to Steven J. Mullany, Public Works Services Coordinator at 847-368-5800, or by email to: smullany@vah.com.

PART 2 – DETAILED SPECIFICATIONS

STREET LIGHT FIXTURE

The LED roadway fixture unit supplied shall be a COOPER LIGHTING GROUP LED Street Luminaire – Streetworks Archeon Small Series fixture. NO substitutions will be acceptable.

LUMINAIRE SPECIFICATIONS

The luminaires shall have the following options:

ARCH-S-PA2-130-740-U-T2R-AP-20K-K-PSC-PRZ-10X

Product – ARCH
Mounting – HT Horizontal Tenon
Optic – T2R Type II Roadway
Input Power – 130w

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Approving the Purchase of a Water Excavator and Trailer for the Public Works & Engineering Department

Department: Public Works & Engineering

Item Description:
The proposed 2025 Capital Budget includes $200,000 for equipment needed to more effectively replace lead services. This equipment will be used for to enable Public Works staff to perform mandated lead service replacements in compliance with the IEPA over the next twelve years.

For the past three years staff has been investigating the use of an excavator by renting different types of equipment when performing annual lead service replacement. Excavation equipment has proven to be more efficient and effective in these operations. The proposed machine has rubber tracks, which reduces damage to parkway and roadways and can lead to significant savings on landscaping and asphalt patching quantities. By reducing these impacts, residents will not be left with as unsightly conditions in their parkway until the final restoration is performed.

The proposed excavator is a 2025 John Deere 85P along with a Base Trailer FT-24-2T. Staff leveraged competitive pricing through the Sourcewell Cooperative Purchasing program contract with the National Auto Fleet Group. Sourcewell (formerly NJPA) is a joint purchasing cooperative similar to Northwest Municipal Conference that uses multiple government agencies and collaborative purchasing to obtain more competitive bid pricing.

The total cost of the excavator is $136,700, and the trailer $37,200 for a total of $173,900. West Side Tractor Sales of Wauconda, Illinois, holds the Sourcewell bid award for John Deere Excavators and Trailers.

Funds for this purchase are available in the 2025 Capital Budget, Account No. 506-7201-550150 EQ2303.

RECOMMENDATION

Staff recommends that the Village Board award the purchase of a 2025 John Deere Excavator and Trailer to West Side Tractor Sales of Wauconda, Illinois, as authorized by the attached resolution.

ATTACHMENTS:

1. 20250407_Water_Excavator_and_Trailer_Resolution_and_attachments

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE PURCHASE OF A
JOHN DEERE EXCAVATOR AND TRAILER FOR THE PUBLIC WORKS DEPARTMENT
FROM WEST SIDE TRACTOR SALES OF WAUCONDA, ILLINOIS

WHEREAS, Article VII, Section 10 of the Constitution of the State of Illinois, and the Intergovernmental Cooperation Act, 5 ILCS 220/1 et seq., authorize and encourage intergovernmental cooperation; and

WHEREAS, the Village is a member of the Sourcewell Cooperative Purchasing Program (formerly NJPA), a joint purchasing cooperative that uses multiple government agencies and collaborative purchasing to obtain more competitive bid pricing; and

WHEREAS, the Village participates in Sourcewell which permits local governments to purchase commodities and services according to contracts negotiated by Soucewell, resulting in significant savings for the Village; and

WHEREAS, the Public Works Department has identified the need to purchase a excavator and trailer; and

WHEREAS, the Sourcewell Cooperative sought bids for the award of the contract for the John Deere excavator and trailer (*"Purchase Contract"*); and

WHEREAS, the Sourcewell Cooperative identified West Side Tractor Sales of Wauconda, Illinois, as the low responsible bidder for the Purchase Contract; and

WHEREAS, the Village now desires to purchase the John Deere excavator and trailer, in a total amount not to exceed $173,900; and

WHEREAS, the Village President and Board of Trustees have determined that it will serve and be in the best interest of the Village to purchase the 2025 John Deere Excavator 85p and Base Trailer FT-24-2T, from West Side Tractor Sales, in a total amount not to exceed $173,900, in accordance with the Sourcewell Cooperative and the Purchase Contract;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF PURCHASE. The President and Board of Trustees hereby approve the contract for the purchase of a 2025 John Deere Excavator 85p and Base Trailer FT-24-2T from West Side Tractor Sales of Wauconda, Illinois, in a total amount not to exceed $173,900, in accordance with Sourcewell Cooperative and the Purchase Contract, is hereby approved.

SECTION 3. EXECUTION OF REQUIRED DOCUMENTATION. The Village Manager and the Village Clerk are hereby authorized to execute and attest, on behalf of the Village, all documents necessary to complete the purchase authorized pursuant to Section 2 of this Resolution.

SECTION 4. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

AYES:

NAYS:

PASSED AND APPROVED THIS ___ day of _____, 2025.

_____
Village President

ATTEST:

_____
Village Clerk

WEST SIDE TRACTOR SALES
1560 N Old Rand Road Wauconda IL 60084
(847) 526-7700
Dan Ristow - Sales Representative - dristow@wstsales.com

0
ARLINGTON HTS, VILLAGE OF
222 N RIDGE AVE
ARLINGTON HTS, IL

February 17, 2025

Sourcewell ID #

2025 John Deere 85 P Excavator
SOURCEWELL Cooperative Contract 011723-JDC

Please note that this quote is valid for 30 days.

Code	Machine Configuration Description All the prices in the detailed sections are Per machine basis. Qty (1)	Unit Price
8230FF	85 P EXCAVATOR BASE MACHINE	168,349.00
0202	Destination Code - United States	-
0259	English Customer Delivery Packet	-
0402	Configuration 2	3,121.00
0	0	-
	List Price	**$ 171,470.00**
	Discount 33.0%	**$ 56,585.10**
	Net Price	**$ 114,884.90**

	Custom Jobs Description	Qt	Price
	Factory Freight Destination Wauconda, IL 60084	**1**	2,300.07
	Dlr provide Pre-Delivery Inspection, Supplies and Fuel Fill	1	5,100.00
	Dealer Provided Delivery	1	700.00
	Labor for field installed kits	1	2,435.72
	Smart Lock Coupler	1	5,821.59
	TAG 18" HD BUCKET 85G (S Bend)	1	1,509.12
	TAG 24" HD BUCKET 85G	1	1,844.12
	TAG 36" HD BUCKET 85G (Lisle)	1	2,104.48
	Total Price		**$ 21,815.10**

Quote Summary (per unit)

Item Description	Prices
Machine Net Price	$ 114,884.90
Custom Jobs	$ 21,815.10
Total Net Price Quantity (1)	**$ 136,700.00**
	-
	-
Adjusted Net Price	**$ 136,700.00**

Less Trade-in	
0	-
0	-
	-
	-
Payoff to Trade	-
Net Price less Trade-Ins	**$ 136,700.00**

Warranty Terms

85 P includes • Full Machine 12 Month -Unlimited Hour Warranty

WEST SIDE TRACTOR SALES
1560 N Old Rand Road Wauconda IL 60084
(847) 526-7700
Dan Ristow - Sales Representative - dristow@wstsales.com

0
ARLINGTON HTS, VILLAGE OF
222 N RIDGE AVE
ARLINGTON HTS, IL

February 25, 2025

Sourcewell ID #

2025 Felling FT-24-2 T Trailer
SOURCEWELL Cooperative Contract 011723-JDC

Please note that this quote is valid for 30 days.

Code	Machine Configuration Description All the prices in the detailed sections are Per machine basis. Qty (1)	Unit Price
0	Base Trailer FT-24-2 T	40,747.91
0	Stationary Deck 4 Feet	-
0	Deck Length Add Tilt Deck Length (Includes Approx. 12" Approach Plate) 25 Feet	-
0	Stationary Deck Type White Oak 2" Nom	-
0	Deck Type White Oak 2" Nom	-
0	Appx Deck Height 35" Loaded	-
0	Width 102" OD - 29 Ft	-
0	12 Tie Downs D-Rings, 1" ** Bent ** With Stationary Platform	-
0	Brakes - Brakes Electric, FSA (Fwd Self Adj) On All Axles	-
0	Axles 12K Oil Bath	-
0	Suspension 9700 Hutch, 49" Spread	-
0	Tires & Wheels (8) ST235/80R 16 E, 8 Bolt [16 x 6] Hub Pilot	-
0	Hitch Length Center of Coupler to Headboard, Appx 5 Feet	-
0	Hitch Type 3" Adjustable Lunette Eye/Pintle, [C] 66,000 lb Plate Mount (3/4" Bolt)	-
0	Jack - 12K w/ Spring Loaded Drop Leg, Side Wind	-
0	Plug - 7 Pole RV	-
0	Lights - LED Lights (Peterson), Sealed Wiring Harness (Sealco)	-
0	Trailer Color - Felling Black # CCA945378 (White Felling Decal)	-
0	Stripe Color - White	-
0	Std - Toolbox, with Lockable Cover	-
0	Std - Locking Tilt Valve	-
0	Std - 1/2" Safety Chains, Grade 70	-
0	Std - Single Self Actuating Hydraulic Cushion Cylinder	-
0	Std - Document Holder	-
0	Std - 2 Steps,1 on the Standard Hitch and 1 in front of Axles on Roadside	-
0	GVWR 31,300 lbs	-
	List Price	**$ 40,747.91**
	Discount 14.0%	**$ 5,704.71**
	Net Price	**$ 35,043.20**

	Custom Jobs Description	Qt	Price
	Factory Freight Destination Wauconda, IL 60084	**1**	856.80
	Dlr provide Pre-Delivery Inspection, Supplies and Fuel Fill	1	600.00
	Dealer Provided Delivery	1	700.00
	Labor for field installed kits	1	-
	Total Price		**$ 2,156.80**

Quote Summary (per unit)		
Item Description		**Prices**
Machine Net Price	$	35,043.20
Custom Jobs	$	2,156.80
Total Net Price Quantity (1)	**$**	**37,200.00**
		-
		-
Adjusted Net Price	**$**	**37,200.00**

Less Trade-in	
0	-
0	-
	-

	-
Payoff to Trade	-
Net Price less Trade-Ins	**$ 37,200.00**

Warranty Terms

FT-24-2 T includes

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Awarding a Contract for Leak Detection Services
Department: Public Works & Engineering

Item Description:

The 2025 Water and Sewer Operating Budget includes funding for professional services to perform a leak detection survey of the 285 miles of water mains located throughout the Village. The survey helps minimize emergency water main repairs by locating leaks in the distribution system via acoustic detection before catastrophic failure. This practice also provides critical information to reduce costs associated with leaking water, which also impacts the Village's unaccounted for water loss reported annually to the IEPA.

This service is professional by nature and very specific with regard to the highly technical acoustic equipment used for the duration of the survey. Leak detection is performed by installing sophisticated sounding equipment to all of the valves and hydrants in the system. When leaks exist in a pressurized system, they create a specific acoustic signature. These digital systems can correlate the sound between the listening points (or nodes) to pinpoint a leak underground. As the leak survey is performed and leaks are detected, Village staff are notified so repairs can be scheduled, based on the severity of the leak.

The Public Works and Engineering Department has participated in this Municipal Partnering Initiative (MPI) Program for Leak Detection services for numerous years. The MPI is a working group of sixteen Chicagoland suburban municipalities, which have been collaborating since 2010. Combining multiple municipal quantities allows for lower pricing through economies of scale. The Village of Arlington Heights is leading a group of municipalities this year on this bid for a leak detection survey of the Village's entire water distribution system.

Bids were duly advertised and publicly opened by the Village on behalf of the Municipal Partnering Initiative on March 24, 2025. One bid was received, reflected below.

Bidder Bid Amount

M. E. Simpson Company, Inc $74,100

M.E. Simpson Co., Inc. has previously performed services for the Village, and the other participating MPI communities, and staff has been satisfied with their level of service and performance.

The contract is proposed as a three-year initial term with the option to extend up to three one-year extensions. Funds for these services are available in Account No. 505-7201-521300.

RECOMMENDATION

It is recommended that the Village Board award a three-year contract for Leak Detection Services to M.E. Simpson Company, Inc of Valparaiso, Indiana in the amount of $74,100 and authorize staff to execute the necessary documents.

ATTACHMENTS:

1. 20250407_Leak_Detection_Services_Resolution_and_attachment

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION APPROVING THE AWARD OF A CONTRACT FOR FULL SYSTEM LEAK DETECTION SERVICES TO M.E. SIMPSON COMPANY, INC. OF VALPARAISO, INDIANA

WHEREAS, Article VII, Section 10 of the Constitution of the State of Illinois, and the Intergovernmental Cooperation Act, 5 ILCS 220/1 et seq., authorize and encourage intergovernmental cooperation; and

WHEREAS, the Village is eligible to participate in the Municipal Partnering Initiative (MPI), a purchasing cooperative that permits local governments to purchase and lease commodities and services according to contracts negotiated by MPI, resulting in significant savings for the Village; and

WHEREAS, the Public Works and Engineering Department has identified the need to procure the Full System Leak Detection Services; and

WHEREAS, the MPI sought bids for the award of the contract for leak detection services; and

WHEREAS, the MPI identified M.E. Simpson Company, Inc. of Valparaiso, Indiana as the low responsible bidder for the Purchase Contract; and

WHEREAS, the Village now desires to purchase the leak detection services, in a total amount not to exceed $74,100; and

WHEREAS, the Village President and Board of Trustees have determined that it will serve and be in the best interest of the Village to purchase the leak detection services from M.E. Simpson Company, Inc., in a total amount not to exceed $74,100, in accordance with the MPI and the Purchase Contract;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF PURCHASE. The President and Board of Trustees hereby approve the purchase by the Village of the Full System Leak Detection Services from M.E. Simpson Company, Inc., in a total amount not to exceed $74,100, in accordance with MPI and the Purchase Contract, is hereby approved.

SECTION 3. EXECUTION OF REQUIRED DOCUMENTATION. The Village Manager and the Village Clerk are hereby authorized to execute and attest, on behalf of the Village, all documents necessary to complete the purchase authorized pursuant to Section 2 of this Resolution.

SECTION 4. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

AYES:

NAYS:

PASSED AND APPROVED THIS ___ day of _____, 20__.

_____
Village President

ATTEST:

_____
Village Clerk

Village of Arlington Heights

33 South Arlington Heights Road
Arlington Heights, Illinois 60005
847-368-5000
www.vah.com

NOTICE OF AWARD

M.E. Simpson Company, Inc.
3406 Enterprise Ave.
Valparaiso, IN 46383

April 7, 2025

Project Description: Water System Leak Detection & Survey Services

The Village of Arlington Heights has considered the proposal submitted by your Company for the above-described work in response to its INVITATION FOR BIDS opened March 24, 2025.

YOU ARE HEREBY NOTIFIED that your proposal/bid has been accepted by the Village Board on April 7, 2025 for items and services for the amount of: **Seventy-Four Thousand One Hundred Dollars and 00/100ths** ($74,100.00).

You are required to execute the Contract Documents and provide necessary Insurance documentation within Fifteen (15) days from the date of this Notice to you.

If you fail to execute said Contract within Fifteen (15) days from the date of this Notice, said Owner will be entitled to consider all your rights arising out of the Owner's acceptance of your proposal as abandoned and the Owner will be entitled to such other rights as may be granted by law. Please return signed contracts to Lisa Subrin.

You are required to return an acknowledged copy of this Notice of award to the Village, with two signed copies of the contract.

Dated this 7th day of April, 2025

Village of Arlington Heights

By: _____

Lisa Subrin, Purchasing Coordinator

Acceptance of Notice

Receipt of the above Notice of Award is acknowledged by M.E. Simpson Company, Inc. this _____ of _____ (month), 2025.

By: _____

Title: _____

VILLAGE OF ARLINGTON HEIGHTS
CONTRACT

This Agreement is made and entered into this 7th day of April, 2025, between the Village of Arlington Heights "Village" and M.E. Simpson Company, Inc., "Vendor."

In consideration of the mutual benefits that will result to the parties in carrying out the terms of this Agreement, the parties agree as follows:

1. The Vendor agrees to do all the work, furnish all materials and all labor necessary to complete the work in full compliance with all of the terms of this agreement and the proposed specifications and the requirements of the Director under it;
2. The Village agrees to pay the Vendor based on unit prices for completion of the work in accordance with the bid documents;
3. It is understood and agreed that the Bid Documents, Specifications, Addenda, and the Bidder's response are all essential documents for the Water System Leak Detection and Survey Services. They are attached and hereby made part of this agreement.

IN WITNESS WHEREOF, the Parties have executed this Agreement on the date indicated above.

Attest: Village of Arlington Heights

_____ By:_____
Clerk
(Seal) Title: _____

Date:_____

Attest:

Bidder:

By:_____

_____ Title:_____
Notary
(Seal) Date:_____

Subscribed & sworn before me this _____day of _____2025.

VILLAGE OF ARLINGTON HEIGHTS
FINANCE DEPARTMENT, PURCHASING DIVISION
33 S. ARLINGTON HEIGHTS ROAD

BID SPECIFICATIONS AND CONTRACT DOCUMENTS

Water System Leak Detection and Survey Services

Required for Use by:	Village of Arlington Heights- Public Works
Bid Deposit:	10% of bid
Performance Bond:	100% of bid
Pre-Bid Meeting:	N/A
Date and Time Bids Due:	Monday March 24, 2025 at 10:00 am
Date and Time of Bid Opening:	Monday March 24, 2025 at 10:00 am
Project Contact:	Scott Schweda 847-368-5800
Purchasing Coordinator:	Lisa Subrin, lsubrin@vah.com, 847-368-5509

In the event bidder cannot submit a bid on the requirements as set forth in the bid documents, he or she should return the bid documents with an explanation as to why he or she is unable to bid on these requirements. Because of the large number of firms listed on the Village's qualified bidder's list, it is necessary to delete from these lists the names of those persons, firms or corporations who fail to respond after having been invited to bid on a commodity or commodities.

BID NOTICE

Water System Leak Detection and Survey Services

Request for Bid: Water System Leak Detection and Survey Services for the Municipalities of Arlington Heights, Glenview, Highland Park, Lake Forest, Northbrook, and Northfield/

Sealed proposals will be received by the Village of Arlington Heights, 33 S. Arlington Heights Road, Arlington Heights, Illinois, until 10:00 am local time on March 24, 2025, at which time they will be publicly opened and read.

Scope of work includes: performing leak detection services as identified in specifications for the Municipalities of Arlington Heights, Glenview, Highland Park, Lake Forest, Northbrook, and Northfield.

All proposals or bids offered must be accompanied by a bid security in the amount of 10% of the total bid in the form of a certified check, bid bond or cashier's check made payable to the Village of Arlington Heights. No bids shall be considered unless accompanied by such security.

Offers may not be withdrawn for a period of ninety (90) days after closing date without the consent of the Municipalities.

Bidders shall comply with the Prevailing Wage Rate Act (820 ILCS 130). Bidders will also be required to comply with the applicable equal employment opportunity provisions.

The Village of Arlington Heights reserves the right to reject any or all proposals, to waive informalities in bidding and to accept the proposal deemed by the Board of Trustees to be the most favorable to the interests of the Village.

Specifications/bid documents may be obtained by contacting Lisa Subrin, Purchasing Coordinator, by email at lsubrin@vah.com

For a list of our current bids, visit our website at www.vah.com.

VILLAGE OF ARLINGTON HEIGHTS
GENERAL CONDITIONS AND INSTRUCTIONS TO BIDDERS
PUBLIC IMPROVEMENT/SERVICES

THE GENERAL TERMS AND CONDITIONS WHICH FOLLOW APPLY TO ALL PURCHASES AND SERVICES AND BECOME A DEFINITE PART OF EACH FORMAL INVITATION TO BID, PURCHASE ORDER, OR CONTRACT ISSUED BY THE VILLAGE OF ARLINGTON HEIGHTS ("VILLAGE"), UNLESS OTHERWISE SPECIFIED. BY SUBMITTING A BID, THE BIDDER AGREES TO BE BOUND BY THESE TERMS AND CONDITIONS. BIDDERS OR THEIR AUTHORIZED REPRESENTATIVES ARE EXPECTED TO FULLY INFORM THEMSELVES OF THE CONDITIONS, REQUIREMENTS, AND SPECIFICATIONS BEFORE SUBMITTING BIDS, FAILURE TO DO SO WILL BE AT THE BIDDER'S OWN RISK AND WILL NOT SECURE RELIEF ON THE PLEA OF ERROR.

1.01 PREPARATION OF PROPOSALS:

The bidder shall submit their sealed bid proposal on the proposal forms provided. The proposal shall be executed properly and all writing shall be ink or typewritten, except the signature of the bidder which shall be written in ink. The bidder shall specify in figures, in the places provided, a price for each of the separate items called for in the proposal forms.

Bidders are requested to submit their bids directly to the owner in a properly sealed envelope. If the bidder is a corporation, the legal name of the corporation, the state of incorporation and the business address shall be set forth together with signature of the officer or officers authorized to sign contracts on behalf of the corporation and attested by the secretary of the corporation. The corporate seal shall also be affixed. If the bidder is partnership, the true name and seals shall also be affixed. If the bidder is a partnership the true name and address of the firm shall be set forth together with the signatures of authorized partners. If the bidder is an individual, the signature and address shall be inscribed. If the signature is by an agent other than an officer of the corporation or member of the partnership, a power of attorney must be submitted with the bid, otherwise, the bid may be regarded as irregular. All names must be printed below the signature.

1.02 BID SECURITY:

No bid will be considered unless accompanied by a bid security as defined in the Invitation to Bid as a guarantee that if the bid is accepted the bidder will execute the agreement and file bonds and insurance's required by the contract documents. Bid securities shall be made payment to the Village of Arlington Heights. In the event that the bidder fails to furnish the required bonds and insurance within ten (10) calendar days after notice of acceptance of the bid by the Village, then the bid deposit of the bidder shall be retained by the Village as liquidated damages, it being now agreed that said sum is a fair estimate of the amount of damages that said Village will sustain due to the bidder's failure to furnish said bond.

1.03 BID SUBMITTAL:

Each bid properly signed together with the bid security and all documents bound herewith shall be enclosed in a sealed addressed and entitled envelope as specified in the Invitation for Bids and delivered to the office designated in the Invitation for Bids. If the bid is sent through the mail or other delivery system, the sealed envelope shall be enclosed in a separate envelope with the notation "Bid Enclosed" on the face of it.

1.04 WITHDRAWAL OF BID:

No bid shall be withdrawn after the opening of any bid without the consent of the Village. Any bid may be withdrawn at any time prior to the hour fixed in the Invitation for Bids for the opening of bids provided that a request in writing executed by the bidder or duly authorized representative for the withdrawal of such bid is filed with the owner prior to the time specified for the opening of bids.

1.05 AWARDING THE BID:

The contract will be awarded to the lowest responsible bidder, or any other bidder determined by the Village Board to be in the best interest of the Village, who complies with all the provisions of the invitation to bid. The Village reserves the right to reject any or all bids or to waive any non-conformity in bids received whenever such rejection or waiver is in the best interests of the Village. The Village also reserves the right to reject the bid of a bidder who has previously failed to satisfactorily perform a contract, has not completed contracts on time, or whom an investigation shows is not in a position to perform the contract.

In determining responsibility, the following qualifications will be considered by the Village:

(a) The ability, capacity, and skill of the bidder to perform the contract or provide the service required;

(b) Whether the bidder can perform the contract or provide service promptly, or within the time specified, without delay or interference;

(c) The character, integrity, reputation, judgment, experience, and efficiency of the bidder;

(d) The quality of performance of previous contracts or services;

(e) The previous and existing compliance by the bidder with laws and ordinances relating to the contract or service;

(f) The sufficiency of the financial resources and ability of the bidder to perform the contract or provide the service;

(g) The quality, availability, and adaptability of the supplies or contractual services to the particular use required;

Except as otherwise provided by law, the Village Mayor and Board of Trustees reserves the right to reject any or all bids and to waive any informality in the bids received.

2.00 WORK COVERED BY CONTRACT DOCUMENTS:

The work comprises the completed Public Improvement/Services required by the contract documents and includes all labor necessary to produce such Public Improvement/Services and all materials and equipment incorporated or to be incorporated in such Public Improvement/Service.

3.00 AWARD:

The decision of the Village to accept the proposal of a responsible bidder for the work, subject to the execution and approval of the contract and contract bond to secure the performance thereof, and to such other conditions as may be specified or otherwise required by law.

3.01 BIDDER:

Any individual, firm or corporation submitting a proposal for the work contemplated, acting directly or through a duly authorized representative.

3.02 BID PROPOSAL SECURITY (PROPOSAL GUARANTEE):

The security furnished with the bid to guarantee that the bidder will enter into the contract for the work.

3.03 CONTRACT /AGREEMENT:

The contract represents the entire and integrated agreement between the Village and contractor and supersedes all prior negotiations, representations or agreements either written or oral. The

contract may be amended, or modified in writing signed by both parties.

3.04 CONTRACT BOND:
The form of security approved by the Village and furnished by the contractor and a surety as a guarantee of good faith and ability on the part of the contractor to execute the work in accordance with the terms of the contract.

3.05 CONTRACT DOCUMENTS:
The Village/contractor agreement, the conditions of the contract (general), supplementary or special and other conditions), the plans, specifications, addenda and all modifications (written amendments, change orders, written interpretations or other written orders), and the contract bond when required.

3.06 CONTRACTOR:
The contractor is the person or entity identified in the Village-contractor agreement and is referred to throughout the contract documents as if singular in number. The term contractor means the contractor or an authorized representative.

3.07 CORPORATION:
A corporate body authorized or licensed to do business in Illinois.

3.08 ENGINEER:
When the word "Engineer" appears in the specifications it shall mean the Village Engineer of the Village of Arlington Heights, Illinois or those designated by the Village Engineer.

3.09 OBSERVER:
The Village's authorized representative assigned to observe any or all portions of the work and materials being used for the project.

3.10 OWNER/VILLAGE:
When the word "Owner" or "Village" appears in the specifications they shall mean the Village of Arlington Heights, Illinois, a municipal corporation of the State of Illinois, 33 South Arlington Heights Road, Arlington Heights, Illinois 60005.

3.11 PLANS:
All official drawings or reproductions of drawings pertaining to the work provided for in the contract.

3.12 PROJECT MANUAL:
The booklet (manual) which includes the bidding requirements, conditions of the contract, the proposal, specifications.

3.13 BID PROPOSAL:
The written offer of the bidder to perform the work proposed and presented to the Village.

3.14 SPECIAL CONDITIONS:
Special conditions when included in these contract documents shall supplement the general conditions, the attached specifications and the plans on particular portions of the project. They shall govern the contract documents wherever they conflict therewith; but shall not operate to annul those portions of the contract documents with which they are not in conflict.

3.15 SPECIFICATIONS:
The body of descriptions, conditions and requirements contained in the contract, together with written agreements and all documents of any description made or to be made pertaining to the method or manner of performing the work, the quantities, or the quality of materials to be furnished under the contract.

3.16 SURETY:

The corporate body, acceptable to the Village, bound with and for the contractor to insure the contractor's performance of the contract and for payment of all obligations pertaining to the work.

3.17 MISCELLANEOUS DEFINITIONS:

(a) "Shall" means mandatory.
(b) "As Required" means as prescribed by the contract documents.
(c) "As Necessary" means essential to the completion of the work.
(d) "Or Equal" means a substitute meeting the exact specification of those items so stated on the drawings, details, and/or the specifications and approved by the Village before bids are submitted.

4.00 CONTRACT DOCUMENTS

4.01 OWNERSHIP OF PLANS AND SPECIFICATIONS:

All plans and specifications and copies thereof furnished by the Village are Village property. They are not to be used on other work and with the exception of one complete set, are to be returned to the Village on request, at the completion of the contract work.

4.02 EXAMINATION OF CONTRACT DOCUMENTS AND THE SITE OF PROPOSED WORK:

The bidder shall, before submitting a bid, carefully examine the contract, including the proposal, specifications, general and special conditions. The bidder shall inspect the site of the proposed work and become familiar with all the local conditions affecting the contract and the detailed requirements of the public improvement/service. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to comply with these instructions. The Village will, in no case, be responsible for any change in anticipated profits resulting from such failure or neglect.

4.03 INTENTION OF CONTRACT DOCUMENTS:

The contract documents are complementary; what is called for by one is as binding as if called for by all. The contractor shall bring any conflict, errors, or discrepancies in the contract documents to the attention of the Village in writing before proceeding with the work affected.

4.04 BID PROPOSAL SECURITY (PROPOSAL GUARANTEE):

Each proposal shall be accompanied by a bid proposal security (see invitation or instructions to bidders). A bid proposal security shall be a properly certified check, bank draft, bank cashier's check or bid bond for the amount of 10% of the total bid, made payable to the Village or Arlington Heights. The proposal guarantee will be returned within five (5) working days after the bid opening date to all but the successful bidder, and one alternate bidder to be designated by the Village. The proposal guarantee of the successful bidder and the alternate bidder will be returned as soon as the contract bond, insurance policies and certificates are in proper order, delivered to the Village and the contract has been fully executed by the bidder to whom the contract is awarded.

4.05 BONDING REQUIREMENTS:

(a) Performance and Payment Bond. The Contractor will provide both a Performance and Payment Bond each for 100% of the contract price with a minimum "A" rating as defined in Best's Key Rating Guide and be conditioned on the faithful performance of the requirements of the contract, and will have as surety a corporate surety authorized to act as such in Illinois and that the Contractor will be responsible for all claims for injuries to persons or damages to

property or premises arising out of or in connection with his or her operations prior to the acceptance of the finished work or supplies, and that he or she will promptly make payments to all persons supplying them with labor or materials in the prosecution of the work provided for in the Contract; and will guarantee to indemnify and hold harmless the Village and its officers and employees for all costs, damages and expenses arising out of or by reason of the contractor's failure to comply and perform the work and to complete the contract in accordance with the specifications.

(b) Failure on the part of the contractor to obtain and deliver a Surety, Performance, and Payment Bonds, acceptable to the Village, within fifteen (15) calendar days from the date of Notice of Award of contract will be considered just cause for the annulment of the Award and the forfeiture of the bid proposal security to the Village.

4.06 CONFLICTS:

Where conflict exists within or between parts of the contract documents and applicable standards, codes or ordinances, the more stringent or higher quality requirements shall apply. Large scale drawings take precedence over smaller scaled drawings, figured dimensions on the drawings over scaled dimensions, and noted materials over graphic representations.

4.07 BID PROPOSAL:

The bidder shall submit a sealed bid proposal on the attached proposal forms. The proposal shall be executed properly and all writing shall be in ink or typewritten, except the signatures of the bidder which shall be written in ink. Proposals that contain omissions, erasures, alterations, irregularities of any kind, or not accompanied by the proper proposal guaranty shall be rejected. However, the Village reserves the right to reject or accept any and all proposals and to waive technical error as may be deemed in the best interest of the Village.

4.08 LATE BIDS:

Late bids shall not be considered and will be returned unopened.

5.00 PROPOSAL FORM

5.01 UNIT PRICE BID PROPOSAL FORM

(a) Bidders will be furnished with a unit price bid proposal form, attached to the project manual, stating the items of work contemplated and the approximate estimated quantities. It is the result of careful calculations and is believed to be correct, but it is given only as a basis for comparison of proposals and the award of the contract. The Village does not expressly or by implication agree that the actual quantities involved will correspond exactly with the estimated quantities. The bidder shall verify these quantities before bidding.

(b) Payment will be based on the actual quantities of work performed in accordance with the contract, as the contract unit prices specify. No allowance will be made for any change in anticipated profits due to an increase or decrease in the original estimate of quantities. The Village reserves the right to omit any item entirely, or to increase or decrease any or all items.

5.02 LUMP SUM BID PROPOSAL FORM:

Bidders will be furnished with a lump sum bid proposal form, attached to the project manual, for the work to be performed.

6.00 LAWS, PERMITS AND REGULATIONS

(a) The contractor shall at all times comply with all federal, state and local laws, regulations, and ordinances. Any complaint, claim or action brought against the contractor for failing to observe or comply with any law, ordinance, or regulation shall be the sole responsibility of the contractor and

shall in no way extend to or expose the Village to liability. The contractor shall indemnify and hold harmless the Village from any and all such complaints, claims or actions. In addition, the contractor agrees to comply with all applicable statutes regarding prevailing wage laws.

(b) Unless otherwise provided in the contract documents, the contractor shall secure and pay for the construction permit and all other permits and governmental fees, licenses, and inspections necessary for the proper execution and completion of the work.

(c) If the contractor performs any work knowing it violates any laws, ordinances, rules and regulations, the contractor shall assume full responsibility and shall bear all attributable costs.

(d) All work done under the contract shall be done to the satisfaction of the Village. The Village will determine the amount of completed work which is to be paid for under the contract. The Village will decide all questions that may arise regarding the measurements of quantities and fulfillment of this contract, and will determine all questions concerning the true intent or meaning of the plans and specifications. This determination and decision will be final.

(e) The contractor and all subcontractors shall be licensed with the Village of Arlington Heights and the State of Illinois where applicable and shall provide indemnity bonds required by the Village Code.

6.01 EMPLOYMENT OF ILLINOIS WORKERS DURING PERIODS OF EXCESSIVE UNEMPLOYMENT

(a) Whenever there is a period of excessive unemployment in Illinois which is defined as any month immediately following two (2) consecutive calendar months during which the level of unemployment in the State of Illinois has exceeded five (5%) percent as measured in the United States Bureau of Labor Statistics in its monthly publication of employment and unemployment figures, the contractor shall employ only Illinois laborers. "Illinois laborers" means any person who has resided in Illinois for at least thirty (30) days and intends to become or remain an Illinois resident.

(b) Other laborers may be used when Illinois laborers, as defined herein, are not available, or are incapable of performing the particular type of work involved, if so certified by the contractor and approved by the Village. The contractor may replace no more than three (3) regularly employed non-resident executive and technical experts, who do not qualify as Illinois laborers, to do work encompassed by this contract during periods of excessive unemployment.

(c) This provision applies to all labor whether skilled, semi-skilled, whether manual or non-manual.

6.02 EMPLOYMENT PREFERENCE:
The contractor shall comply with "AN ACT to give preference to the veterans of the United States military and naval service in appointments and employment upon public works, by, or for the use of, the State or its political subdivisions, passed by the 59th General Assembly and approved on June 12, 1935, "(330 ILCS 55/1)".

6.03 ILLINOIS HUMAN RIGHTS ACT:
The contractor shall comply with the Illinois Human Rights Act, 775 ILCS 5/1.101, et seq including, but not limited to establishment of sexual harassment policies and program.

6.04 EQUAL EMPLOYMENT OPPORTUNITY:
During the performance of this contract the contractor agrees as follows:

(a) That it will not discriminate against any employee or applicant for employment because of

race, color, religion, sex national origin or ancestry and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

(b) That if it hires additional employees in order to perform this contract or any portion hereof it will determine the availability (in accordance with the Illinois Fair Employment Practices Commission's Rules and Regulations for Public Contracts) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

(c) That in all solicitations or advertisements for employees placed by it or on its behalf it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, national origin or ancestry.

(d) That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding a notice advising such labor organization or representative of the contractor's obligations under the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts. If any such labor organization or representative fails or refuses to cooperate with the contractor in its efforts to comply with such Act and Rules and Regulations the contractor will promptly so notify the Illinois Fair Employment Practices Commission and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations there under.

(e) That it will submit reports as required by the Illinois Fair Employment Practices Commission's Rules and Regulations for Public contracts. Furnish all relevant information as may from time to time be requested by the Commission or the contracting agency, and in all respects comply with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.

(f) That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Illinois Fair Employment Practices Commission for purposes of investigation to ascertain compliance with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.

(g) That it will include verbatim or by reference the provisions of paragraphs 1 through 7 of this clause in every performance subcontract as defined in Section 2.10(b) of the Commission's Rules and Regulations for Public Contracts. So that such provision will be binding upon every such subcontractor and that it will also include the provisions of paragraphs 1, 5, 6 and 7. In every supply subcontract as defined in Section 2.10 (a) of the Commission's Rules and Regulations for Public Contracts so that such provisions will be binding upon every such subcontractor. In the same manner as with other provisions of this contract. The contractor will be liable for compliance with applicable provisions of this clause by all its subcontractors: and further it will promptly notify the contracting agency and the Illinois Fair Employment Practices Commission in the event any subcontractor fails or refuses to comply therewith. In addition no contractor will utilize any subcontractor declared by the Commission to be non-responsible and therefore ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

(h) The Village of Arlington Heights does not discriminate on the basis of handicapped status in admission or access to, or treatment or employment in its programs and activities.

6.05 THE AMERICANS WITH DISABILITIES ACT:
(42 USC 121-1 et seq.) and its accompanying regulations (28 CFR 35.130) prohibit

discrimination against qualified individuals with disabilities by a local government, whether directly or through contractual arrangements, in the provision of any benefit, service, program or activity of the public entity. As a condition of receiving this contract, the contractor certifies by signing the bid proposal form, that any services, programs and activities provided under this contract are now and will continue to be in compliance with the Americans with Disabilities Act.

7.00 CONTRACTOR

7.01 COMPETENCY OF CONTRACTOR:

The contractor shall, when requested by owner, furnish signed statements, showing responsibility, financial ability, experience, amount and condition of equipment and the value of all uncompleted work under contract.

7.02 SUPERINTENDENT OR FOREMAN:

The contractor shall supervise and direct the work efficiently, and with the contractor's best skill and attention. The contractor shall be solely responsible for the negligence of others in the means, method, techniques, sequence or procedure of Public Improvement / Services which is indicated in and required by the contract documents. Contractor shall be responsible to see that the finished work complies accurately with the contract documents.

7.03 WORKMANSHIP:

The contractor shall be responsible for high quality workmanship on all items of work.

7.04 RESPONSIBILITY:

The contractor and subcontractor shall be responsible for maintaining of safe equipment and using proper methods and procedures. The Village reserves the right to ascertain and to require that the contractor's work and the subcontractor's work complies with the contract.

7.05 HOLD HARMLESS AND INDEMNIFICATION:

To the fullest extent permitted by law, the contractor shall assume all liability for, and shall protect, defend, indemnify and hold harmless the Village, it's officers, employees, servants, and agents, from and against all claims, actions, suits, judgments, costs, losses, expenses including but not limited to fees and charges of attorneys, engineers and architects, court and arbitration costs, and liabilities of whatsoever kind or nature arising out of:

(a) Any infringement (actual or claimed) on any patents, copyrights or trade names by reason of any work performed by the contractor under this contract or by reason of anything to be supplied by the contractor pursuant to this contract.

(b) Bodily injury, including death, "sickness or disease", to any person or persons (including contractor's officers, employees, agents, and servants) or damage to or destruction of any property including the loss of use thereof:
(1) caused by whole or in part by any act, error or omission by the contractor or any subcontractor or anyone directly or indirectly employed by any of them;
(2) arising directly or indirectly out of the presence of any person in or about any part of the project site or the streets, sidewalks, and property adjacent hereto;
(3) arising directly or indirectly out of the use, misuse or failure of any machinery or equipment used directly or indirectly in the performance of the contract.

(c) In any and all claims against the Village or it's agents or employees by any employee of the contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts they may be liable, the indemnification obligation under this section 1.06, shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the contractor or any subcontractor under worker's compensation acts, disability benefit acts or other employee benefit acts. This indemnification does not apply to any liability

caused by the Village's own negligence.

7.06 ADANDONMENT:

If the contractor abandons or neglects the work or if the Village at any time is convinced that the work is unreasonably delayed, or that the conditions of the contract are being willfully violated, executed carelessly, or in bad faith, the Village may notify the contractor in writing, and if this notification is without effect within twenty-four (24) hours after the delivery thereof, then, and in that case, the contractor shall discontinue all work under the contract and the Village shall have full authority to make arrangements for the completion of the contract at the expense of the contractor.

7.07 CLEAN UP AND SITE MAINTENANCE:

The contractor shall at all times keep the site and adjoining premises free from accumulation of waste material or rubbish caused by its employees or work, and at the completion of the work, shall remove all rubbish, tools, and surplus materials from the site and adjoining premises, leaving the area in a neat and workmanlike condition. In case of dispute, the Village may remove the rubbish and charge the cost to the contractor.

8.00 CHANGES/ALTERATIONS OF CONTRACT WORK AND EXTRA WORK:

The Village reserves the right to alter the specifications by adding or subtracting from the original quantities as bid without invalidating the contract. All such work shall be executed under the same conditions as the original contract, except for an extension in time when any such change/alteration results in additional work. All changes/alterations shall be made only when ordered in writing from the Village as follows:

(a) The Village Manager must approve an increase in the contract price of not more than $10,000.00 by written change order.

(b) The Village Board must approve an increase in the contract price in all other instances or an extension in the contract completion time by written change order.

(c) The value of any change shall be determined by one or more of the following methods:
(1) An approved Lump Sum.
(2) Unit Prices given in the Contract or subsequently agreed upon.

9.00 PROTECTION OF PERSONS AND PROPERTY

9.01 SAFETY PRECAUTIONS AND PROGRAMS:

The contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the work.

9.02 SAFETY OF PERSONS AND PROPERTY

(a) The contractor shall take all reasonable precautions for safety, and all reasonable protections to prevent damage, injury or loss to:
(1) all employees on the site and all other persons who may be affected hereby;
(2) all the work and all materials and equipment to be incorporated therein, whether in storage on or off site, under the care, custody, or control of the contractor or any subcontractors; and
(3) other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation, or replacement in the course of Public Improvement/Service.

(b) The contractor shall give all notices and comply with all applicable laws, ordinances, rules and regulation and lawful orders of any public authority bearing on the safety of persons or property or their protection from damage, injury or loss.

(c) The contractor shall erect and maintain, as required by existing condition and progress of the work, all reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations and notifying owners and users of adjacent utilities.

(d) The contractor shall use proper warning guards and safety devices with respect to the construction area.

(e) No trees, fire hydrants, utility poles, shrubs or hedges, traffic signs, or other public structure shall be removed, replaced, damage or destroyed unless and until approval for such removal, replacement, damage or destruction has been given in writing from the Village.

(f) Notwithstanding the foregoing requirements, the contractor shall be responsible for taking immediate steps to correct any damage or injury to public structures, utility services, roadways or public buildings as well as any damage or injury occasioned to private property as a result of the contractor's activities.

(g) The contractor should keep a daily record of all injuries or incidents or damage occurring in, on or near the construction site as a result of the contractor's construction activities. This information shall be given to the Village within twenty-four (24) hours after the day of occurrence.

10.00 INSURANCE REQUIREMENTS:

(a) The Contractor shall not commence work until the Contractor has obtained all insurance required in these documents. The Contractor shall purchase and maintain, throughout the duration of the contract, insurance as is appropriate for the work being performed and furnished and shall provide protection from claims which may arise out of or result from the Contractor's performance and furnishing of the work and Contractor's other obligations under the contract documents, whether it is to be performed or furnished by the Contractor, by any Subcontractor, by anyone directly or indirectly employed by them or by anyone for whose acts any of them may be liable.

(b) Insurance required by this Section shall be written with a company having at least an "A" Property-Casualty Rating, and financial size of at least Class 7 as listed in the most recent published A. M. Best's Insurance Guide.

(c) The Village shall be named as additional insured on all policies required by the contract except for Workmen's Compensation Insurance. The coverage afforded shall be primary and non-contributory for the additional insured with respect to claims arising out of operations preformed by or on behalf on the Contractor. Additional insured: Village Of Arlington Heights, its Officials, Employees, Agents and Volunteers. If the additional insured has other insurance which is applicable to the loss, such as other insurance shall be on an excess or contingent basis. The amount of the Contractor's insurance company's liability under this insurance policy shall not be reduced by the existence of such other insurance. Additional insured status shall be provided by original endorsement as least as broad as CG 20 10 04 13 or CG 20 26 04 13.

(d) As a minimum, the contractor shall secure and maintain the types of insurance as herinafter specified, and shall submit evidence to the Village on an annual basis that the insurance coverage's are in force. The form and limits of such insurance, together with the underwriter thereof in each case, shall be acceptable to the Village, but regardless of such acceptance it shall be the responsibility of the Contractor to main adequate insurance coverage until final payment and at all times thereafter when the Contractor may be correcting, removing, or replacing

defective work in accordance with the General Conditions and Instruction to Bidders. Failure of the Contractor to maintain adequate coverage shall not relieve him of any contractual responsibility or obligation.

(e) The Contractor shall forward original copies of the Certificates of Insurance with the coverage's and limits specified annually during the contract period to the Purchasing Division, Finance Department, 33 S. Arlington Heights Road, Arlington Heights, IL 60005.

(f) Insurance Certificates and Policies delivered to the Village shall recite that 30 days prior written notice will be given to the Village by certified mail before any policy is materially changed, canceled, or not renewed.

10.01 WORKER'S COMPENSATION AND EMPLOYERS LIABILITY:

The insurance shall protect the Contractor against all claims under applicable State or Federal Worker's Compensation Laws. The Contractor shall also be protected against claims for injury, disease or death of employees which for any reason may not fall within the provisions of the Worker's Compensation Law. The policy shall include "broad form all states" endorsement coverage extended to cover all states except the monopolistic fund states.

The liability limits shall not be less than:

1. Worker's Compensation……Statutory
2. Employer's Liability…….$1,000,000 per occurrence

10.02 BUSINESS AUTO LIABILITY:

The insurance shall be written in automobile liability form and shall protect the Contractor against all claims for injuries to persons and damages to property arising from the ownership, maintenance or use of any motor vehicles and shall cover operation on or off the site of all motor vehicles, whether they are owned, non-owned or hired.

The liability limits shall not be less than:

1. Bodily Injury and Property Damage Combined…….$1,000,000 per occurrence

10.03 COMMERCIAL GENERAL LIABILITY, INCLUDING PREMISES AND OPERATIONS, CONTRACTUAL, PERSONAL INJURY, PRODUCT LIABILITY, COMPLETED OPERATIONS, AND BROAD FORM PROPERTY COVERAGES:

(a) This insurance shall be written in Commercial General Liability form and shall protect the Contractor against all claims arising from injuries to persons or damages to property caused by any act or omission of the Contractor or his agents, employees or Subcontractors. The Contractors General Aggregate shall apply on a per Project basis. The Broad Form General Liability Endorsement shall be included.

(b) In addition, this policy shall contain a Contractual Liability Endorsement covering any Contractual Liability assumed in the Contract and all changes and modifications thereto, whether in writing or oral.

(c) The scope of the coverage shall also include the Personal Injury Hazards including "a", "b", and "c". "a" includes false arrest, malicious prosecution, and unwillful detention or imprisonment. "b" includes libel, slander, and defamation of character. "c" includes wrongful eviction, invasion of privacy, and wrongful entry. Fellow Employee exclusion shall be removed.

(d) The Policy shall also include Broad Form Property Damage Protection.

(e) The Contractor shall include all the Contractor's employees as additional insureds under the policy.

(f) Commercial General Liability Coverage shall contain no exclusions for explosion, collapse or underground work (X, C, U).

(g) The liability limits shall not be less than:

1. Bodily Injury and Property Damage, Combined single limit, per occurrence including, Contractual Liability – Broad Form Products and Completed Operations……...$2,000,000

2. Premises/Operations Personal Injury…….$1,000,000

3. General Aggregate……$4,000,000

Products/Completed Operations coverage is to remain in force for a period of two (2) years after the completion of the project.

(h) The Contractor may furnish coverage for bodily injury and property damage for Business Auto Liability and Commercial General Liability through the use of a combined limit as indicated above or through separate single limits acceptable to the Village.

10.04 UMBRELLA EXCESS LIABILITY:

Special coverage shall be as follows……$2,000,000 over primary insurance

The required coverages may be in combination of primary, excess and umbrella policies. Any excess or umbrella policy must provide excess coverage over underlying insurance on a following-form basis such that when any loss covered by the primary policy excess the limits under the primary policy, the excess or umbrella policy becomes effective to cover such loss.

Policy should be written on an occurrence basis.

All underlying coverage needs to be included in the Umbrella or Excess Liability policy. Any exclusions or exceptions must be noted on the certificate of insurance.

11.00 PAYMENTS

11.01 TAXES:

No charges will be allowed for taxes from which the Village is exempt. The Village is not liable for the Illinois Retailer's Occupation Tax, the Service Occupation Tax, nor the Service Use Tax. The Village is also exempt from Federal Excise Transportation Tax.

12.00 TERMINATION OF THE CONTRACT:

The Village may terminate the contract upon the occurrence of any one or more of the following events:

(a) The contractor files under any chapter of the Bankruptcy Code (Title 11, United States Code) takes any equivalent or similar action by filing a petition or otherwise under any federal or state law in effect at the time relating to bankruptcy or insolvency.

(b) If a petition is filed against the contractor under any chapter of the Bankruptcy Code as now or hereinafter in effect or if a petition is filed seeking any equivalent or similar relief against the Contractor under any other federal or state law in effect at the time relating to bankruptcy or insolvency.

(c) If the contractor makes a general assignment for the benefit of creditors.

(d) If a trustee, receiver, custodian or agent of the contractor is appointed to take charge of the contractor’s property for the purpose of enforcing a lien against the property or for the purpose of general administration of the property for the benefit of the contractor's creditors.

(e) If the contractor admits in writing an inability to pay its debts generally as they become due.

(f) If the contractor persistently fails to perform the work in accordance with the contract documents, including but not limited to failure to supply sufficient skilled workers or suitable materials or equipment or failure to adhere to the progress schedule established herein.

(g) If the contractor disregards laws and regulations of any public body.

(h) If the contractor disregards the authority of the Village.

(i) If the contractor violates any provisions of the contract documents.

VILLAGE OF ARLINGTON HEIGHTS
AFFIDAVIT OF COMPLIANCE

Applicant _____
Name

_____
Address

As a condition of entering into a contract with the Village of Arlington Heights, and under oath and penalty of perjury and possible termination of contract right and debarment, the undersigned, _____, being first duly sworn on oath, deposes and states that he or she is _____ (sole owner, partner, joint ventured, President, Secretary, etc..) of _____ and has the authority to
(Name of Company)
make all certifications required by this affidavit.

Section I

Non Collusion

The undersigned certifies that this bid, that such bid is genuine and not collusive or sham, that said bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any bidder or person, to put in a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference with any person, to fix the bid price element of this bid, or of that of any other bidder, or to secure any advantage against any other bidder or any person interested in the proposed contract.

Section II

Bid Rigging and Rotating

The undersigned hereby certifies that it is not barred from bidding or contracting as a result of a conviction for violations of state laws prohibiting bid rigging or bid rotating or any similar offense of any state of the United States.

Section III

Illinois Drug Free Workplace Act

The undersigned further states that _____ provides a
(Name of Company)
drug free workplace pursuant to Illinois Statues, 30 ILCS 580/1, et seq and provides compliance with necessary requirements.

Section IV

Tax Payment

The undersigned further states that _____ is not
(Name of Company)
delinquent in payment of any taxes to the Illinois Department of Revenue, in accordance with Illinois Compiled Statues, 65 ILCS 5/11-42.1. The undersigned understands that making a false statement regarding delinquency in taxes is a Class A Misdemeanor and, in addition voids the contract and allows the municipality to recover all amounts paid to the individual or entity under the contract in civil action.

It is expressly understood the foregoing statements and representations and promises are made as a condition to the right of the bidder to receive payment under any award made under the terms and provisions of this bid.

The undersigned certifies that all the information contained in the Affidavit is true and correct.

Signed by: _____
(Name)
(Title)

Subscribed and sworn to before me this _____day of _____ 20___, AD.

By: _____
(Notary Public)

-Seal-

VILLAGE OF ARLINGTON HEIGHTS
INDEMNITY HOLD HARMLESS AGREEMENT

To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify and hold harmless the Village of Arlington Heights, its Board of Trustees, officers, agents and employees from any and all liability, losses or damages the Village may suffer as a result of claims, demands, suits, actions or proceedings of any kind or nature in any way resulting from or arising out of any action on the part of the Contractor or any Subcontractor. The Contractor shall, at its own expense; appear, defend and pay all charges of attorneys and all costs and other expenses arising therefrom or incurred in connection therewith, and, if any judgment shall be rendered against the Village of Arlington Heights, its Board of Trustees, officers, agents and employees, in any such action, the contractor shall, at its own expense, satisfy and discharge the same. This indemnification does not apply to liability caused by the Village's own negligence.

The Contractor expressly understands and agrees that any insurance policies required by this contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the Village of Arlington Heights, its Board of Trustees, officers, agents and employees as herein provided.

CONTRACTOR:_____

By: _____

VENDOR QUESTIONNAIRE

Company Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ E-Mail: _____

Commodity: _____ Years in Business: _____

DBE (Disadvantaged Business Enterprise) Classification: Please indicate your DBE classification below, and provide any agency certifications you have received.

- ☐ MBE (Minority-Owned Business Enterprise): A business that is at least 51 percent owned by one or more minorities. A person who is a U.S. citizen or lawful permanent resident and is African American, Hispanic American, Asian American, Native American, as well as other groups found to be disadvantaged pursuant to Section 8 (a) of the Small Business Act.
- ☐ WBE (Women-Owned Business Enterprise): A business that is at least 51 percent owned by a woman or women who are United States Citizens or lawful permanent residents of the United States.
- ☐ DOBE (Disability-Owned Business Enterprise): A business that is at least 51 percent owned by a person or group of persons with a disability, as recognized by the Americans with Disabilities Act.
- ☐ VOSB (Veteran-Owned Small Business): A business that meets the qualifications to be a small business according to the SBA, and is at least 51 percent owned, operated and controlled by a veteran.
- ☐ Not Applicable

Certifications:
Agency/Institution:_____

Phone: _____ Approval Date: _____

I hereby certify that the information supplied in this form is complete and correct to the best of my knowledge and belief. I authorize The Village of Arlington Heights to verify any of this information as needed.

Signature: _____ Title: _____

Name: _____ Date: _____

INVITATION FOR BIDS

BID DOCUMENTS AND SPECIFICATIONS

WATER SYSTEM LEAK DETECTION AND SURVEY SERVICES

FOR THE MUNICIPALITIES OF:

ARLINGTON HEIGHTS, GLENVIEW, HIGHLAND PARK, LAKE FOREST, NORTHBROOK, AND NORTHFIELD

VILLAGE OF ARLINGTON HEIGHTS

33 S. ARLINGTON HEIGHTS ROAD

ARLINGTON HEIGHTS, IL 60005

847-368-5505

GENERAL TERMS AND CONDITIONS

1. INTENT

It is the intent of the Village of Arlington Heights ("Arlington Heights"), the Village of Glenview ("Glenview"), the City of Highland Park ("Highland Park"), the Village of Lake Forest ("Lake Forest"), the Village of Northbrook ("Northbrook"), and the Village of Northfield ("Northfield") (collectively, "Municipalities") to award a single contract to a single contractor for leak detection and survey services.

Through this joint bid process, the Municipalities are presenting an economy of scale to potential bidders, providing them with opportunities for increased revenues as well as reduced costs, which the bidders will in turn extend to the Municipalities via lower pricing. The Village of Arlington Heights is conducting the bidding process on behalf of the Municipalities. Each Village's municipal manager or board of trustees/city council as the case may be, will have the right to review and independently approve or reject the bid award and execute the Agreement Acceptance.

2. BID PRICE

The Municipalities of Arlington Heights, Glenview, Highland Park, Lake Forest, Northbrook, and Northfield request pricing for the base bid of year (1) one and request firm/fixed pricing for years (2) two and (3) three.

Additionally, the Municipalities request pricing for Emergency Response Services.

The Contractor shall identify the discount per municipality if equipment staging is allowed at municipal facilities.

3. AWARD

Award shall be made to the lowest responsive and responsible bidder who best meets the specifications including financial capacity to perform, experience and qualifications performing similar work, and scheduling based upon the evaluation criteria specified herein.

Award shall be made on a total lump sum of the bid. Each Municipality reserves the right to award multiple years, to award the bid in part or in whole or not award, and/or reject any or all bids, whatever is deemed to be in its best interest.

Each year, the individual Municipalities shall award their work to the Contractor independently of the other Municipalities after having secured permission to do so from their respective corporate authorities. Work shall proceed in an individual Municipality per its scheduling with the Contractor regardless of whether all of the Municipalities' corporate authorities have approved their

awards to the Contractor for their respective work by the individual Municipality's scheduled start date.

4. VOLUME/ESTIMATED QUANTITY

The quantities identified herein are estimates quantities. The Municipalities do not guarantee any specific amount and shall not be held responsible for any deviation. This contract shall cover the Municipality's requirements whether more or less than the estimated amount.

The Municipalities reserve the right to increase and/or decrease quantities, add or delete locations or municipalities during the term of the Agreement, whatever is deemed to be in the best interest of the Municipalities.

In the event awarded Contractor (s) is unavailable, the Municipalities reserve the right to use whatever Contractor is available to minimize and/or mitigate damages to their Municipality.

5. TERM

The term of the contract shall be for three (3) years from the date of award for Arlington Heights, Glenview, Highland Park, Lake Forest, Northbrook, and Northfield. The Municipalities reserve the right to renew this contract for three (3) additional one (1) year periods subject to acceptable performance by the Contractor. In the event this contract is extended, the CONTRACTOR may, 30 days prior to the extended contract term raise the price for services to be performed under the contract by giving written notice to the VILLAGE. The increase shall not exceed the previous twelve-month period of the Chicago Consumer Price Index. The rate adjustment shall take effect each year on January 1st of each extension year. The increase in contract price shall be effective thirty (30) days after the written notice is given and approved by the VILLAGE. Only one increase shall be allowed in any contract extension period.

At the end of any contract term, the Municipalities reserve the right to extend this contract for a period of up to sixty (60) days for the purpose of getting a new contract in place.

For any year beyond the initial year, this contract is contingent upon the appropriation of sufficient funds; no charges shall be assessed for failure of either municipality to appropriate funds in future contract years.

6. MODIFICATIONS

Bidders shall be allowed to modify/withdraw their bids prior to opening. Once bids have been received and opened no modifications shall be permitted without the approval of the Municipalities.

7. CONTACT WITH MUNICIPAL PERSONNEL

All bidders are prohibited from making any contact with the municipalities' Presidents, Trustees, or any other official or employee of the municipalities (collectively, "Municipal Personnel") with regard to the Project, other than in the manner and to the person(s) designated herein. The Arlington Heights Village Manager reserves the right to disqualify any bidder found to have contacted Municipal Personnel in any manner with regard to the Project. Additionally, if the Arlington Heights Village Manager determines that the contact with Municipal Personnel was in violation of any provision of 720 ILCS 5/33E, the matter will be turned over to the Cook County State's Attorney for review and prosecution.

8. DOCUMENT OBTAINED FOR OTHER SOURCES

The Village of Arlington Heights is the only official source for bid packages, questions and answers, and supporting materials. Registration with the Village of Arlington Heights is the only way to ensure bidders receive all Addenda and other Notices concerning this project. The Village of Arlington Heights cannot ensure that bidders who obtain bid packages from sources other than the Village of Arlington Heights will receive Addenda and other Notices. All bidders are advised that bids that do not conform to the requirements of this bid package, including compliance with and attachment of all Addenda and other Notices, may, at the Village of Arlington Heights' discretion, be rejected as non-responsive and/or the bidder disqualified. In such cases, the Village of Arlington Heights will NOT rebid the project absent extraordinary circumstances.

9. JOINT PURCHASING/PURCHASING EXTENSION

The purchase of goods and services pursuant to the terms of this Agreement shall also be offered for purchases to be made by the Municipalities, as authorized by the Governmental Joint Purchasing Act, 30 ILCS 525/0.01, et seq. (the "Act"). All purchases and payments made under the Act shall be made directly by and between each Municipality and the successful bidder. The bidder agrees that the Village of Arlington Heights shall not be responsible in any way for purchase orders or payments made by the other Municipalities. The bidder further agrees that all terms and conditions of this Agreement shall continue in full force and effect as to the other Municipalities during the extended term of this Agreement.

Bidder and the other Municipalities may negotiate such other and further terms and conditions to this Agreement ("Other Terms") as individual projects may require. In order to be effective, Other Terms shall be reduced to writing and signed by a duly authorized representative of both the successful bidder and the other Municipality.

The bidder shall provide the other Municipalities with all documentation as required in the RFB, and as otherwise required by the Village of Arlington Heights, including, but not limited to:

- Certificate of insurance naming each additional Municipality as an additional insured

10. RESERVATION OF RIGHTS

Each Municipality reserves the right to accept the Bidder's Proposal that is, in their judgment, the best and most favorable to the interests of the Municipality and the public; to reject the low Price Proposal; to accept any item to any Bidder's Proposal; to reject, and all Bidder's Proposals; to accept and incorporate corrections, clarifications or modifications following the opening of the Bidder's Proposals when to do so would not, in Municipalities opinion, prejudice the bidding process or create any improper advantage to any Bidder; and to waive irregularities and informalities in the bidding process or in any Bidder's Proposal submitted; provided, however, that the waiver of any prior defect or informality shall not be considered a waiver of any future or similar defects or informalities, and Bidders should not rely upon, or anticipate, such waivers in submitting the Bidder's Proposals. The enforcement of this Reservation of Rights by one or more of the Municipalities shall not be considered an alteration of the bids.

11. BIDDER QUALIFICATIONS AND EVALUATION CRITERIA

The Bidders must be qualified contractors and demonstrate the capability to provide services required in accordance with the bid specifications. This would include:

- Bid pricing
- Emergency Response Rate and Minimum Call Out Time
- Compliance with specifications
- Previous Municipality Experience
- Submittal compliance
- References

12. SUBCONTRACTORS

If any Bidder submitting a bid intends on subcontracting out all or any portion of the engagement, that fact, and the name of the proposed subcontracting firm(s) must be clearly disclosed in the bid on the form provided herein (use additional sheets if necessary).

In the event the Contractor requires a change of the subcontractor (s) identified a written request from the Contractor and a written approval from the Municipalities is required.

Notwithstanding written consent to subcontract approved by the Municipalities, the Contractor shall perform with the Contractor's own organization, work amounting to not less than fifty (50%) percent of the total contract cost, and with materials purchased or produced by the Contractor.

The subcontracting, if any, shall be done by the Contractor in accordance with applicable Article 108.01 of the IDOT Standard Specifications.

Failure to identify subcontractors could result in disqualification.

13. SILENCE OF SPECIFICATIONS

The apparent silence of specifications as to any detail or apparent omission from it as detailed description concerning any portion shall be interpreted as meaning that only the best commercial material or practice shall prevail and that only items of the best material or workmanship to used.

14. ADDITIONAL INFORMATION

Should the bidder require additional information about this bid, submit questions via email to: lsubrin@vah.com. Questions are requested prior to the Bid Opening and are required no later than 4:00 p.m. on March 21, 2025.

ANY and ALL changes to these specifications are valid only if they are included by written Addendum from the Village of Arlington Heights to All Bidders. No interpretation of the meaning of the plans, specifications or other contract documents will be made orally. Failure of any bidder to receive any such addendum or interpretation shall not relieve the bidder from obligation under this bid as submitted. All addenda so issued shall become part of the bid documents. Failure to request an interpretation constitutes a waiver to later claim that ambiguities or misunderstandings caused a bidder to improperly submit a bid.

The Municipalities recognizes that in some cases the information conveyed in this RFB may provide an insufficient basis for performing a complete analysis of the RFB requirements. Prospective bidders are, therefore, requested to make the best possible use of the information provided, without the expectation that the Village of Arlington Heights will be able to answer every request for further information or that the schedule for receipt and evaluation of proposals will be modified to accommodate such request.

15. PROTEST PROCEDURE

Any bidder wishing to file a protest regarding the proposal process may do so by giving written notice to the Village of Arlington Heights Purchasing Coordinator within seven calendar days of the closing time and date. This

notice should include the title of the requirement, the closing date and the nature of the protest.

Any disputes concerning a question of fact under this procurement which is not disposed of by agreement shall be decided by the Purchasing Coordinator. The decision of the Purchasing Coordinator or their duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, or capricious, or arbitrary, or so grossly erroneous as necessary to imply bad faith, or not supported by substantial evidence. In connection with any appeal proceeding under this clause, the Contractor shall be afforded an opportunity to be heard and offer evidence in support of his appeal. Pending final decision of a dispute hereunder, the Contractor shall proceed diligently with the performance of the contract and in accordance with the decision of the Purchasing Coordinator.

16. AFFIDAVITS

The following affidavits included in these contract documents must be executed and submitted with the bid:

- References
- Disqualification of Certain Bidders
- Affidavit/Anti-collision
- Conflict of Interest Form
- Tax Compliance
- Identification of Subcontractors
- Participation Affidavit

17. RESPONSIVE BID

17.1. A "Responsive Bid" is defined as a "bid which conforms in all material respects to the requirements set forth in the invitation for bids." Bidders are hereby notified that any exceptions to the requirements of this bid may be cause for rejection of the bid.

17.2. Bidders shall promptly notify the Village of any ambiguity, inconsistency or error which they may discover upon examination of the bidding documents. Interpretations, corrections and changes will be made by addendum. Each bidder shall ascertain prior to submitting a bid that all addenda have been received and acknowledged in the bid.

18. HOLD HARMLESS

The Contractor agrees to indemnify, save harmless and defend the Village of Arlington Heights (“Arlington Heights”), the Village of Glenview (“Glenview”), the City of Highland Park (“Highland Park”), the Village of Lake Forest (“Lake Forest”), the Village of Northbrook (“Northbrook”), and the Village of Northfield (“Northfield”) (collectively, “Municipalities”) which include their representatives,

agents, servants, employees, and each of them against and hold it and them harmless from any and all lawsuits, claims, demands, liabilities, losses, and expenses; including court costs and attorney's fees for or on account of any injury to any person, or any death at any time resulting from such injury, or any damage to property, which may arise or which may be alleged to have arisen out of, or in connection with the work covered by this project. The foregoing indemnity shall apply except if such injury is caused directly by the willful and wanton conduct of the Village of Arlington Heights ("Arlington Heights"), the Village of Glenview ("Glenview"), the City of Highland Park ("Highland Park"), the Village of Lake Forest ("Lake Forest"), the Village of Northbrook ("Northbrook"), and the Village of Northfield ("Northfield") (collectively, "Municipalities") its agents, servants, or employees or any other person indemnified hereafter.

19. CHANGE IN STATUS

The Contractor shall notify the Village of Arlington Heights and each Municipality immediately of any change in its status resulting from any of the following: (a) vendor is acquired by another party; (b) vendor becomes insolvent; (c) vendor, voluntary or by operation law, becomes subject to the provisions of any chapter of the Bankruptcy Act; (d) vendor ceases to conduct its operations in normal course of business. The Municipalities shall have the option to terminate the contact with the vendor immediately on written notice based on any such change in status.

20. CHANGE ORDERS

The Municipalities believe that the project is fully defined in the Contract Documents and that Change orders will not be necessary. However, in the event that a Change Order is required, the Contractor shall review the scope of work to be performed under the contract to suggest alternatives that can be implemented to offset the cost increase of any necessary changes without sacrificing the quality and/or scope of the contract specifications. All Change Orders and alternative suggestions must be approved by the Village of Arlington Heights prior to execution.

Change Orders shall comply with 720 ILCS 5/33E-9.

20.1. In case of an increase in the Contract Sum, there will be an allowance for overhead and profit.

20.2. The allowance for the combined overhead and profit, including premiums for all bonds and insurance, shall be based on the percentage as bid. This same percentage shall apply to both extras and credits and for work performed by the Contractor, a Subcontractor, or Sub-subcontractor.

20.3. Detailed written Requests for Change Orders must be submitted to the Municipality's Representative on the form provided by the Owner. (Request furnished in any other format or lacking sufficient information will be rejected). In order to facilitate checking of quotations for extras or credits,

all requests for change orders shall be accompanied by a complete itemization of costs including labor, materials and Subcontracts. Where major cost items are Subcontracts, they shall also be itemized. Requests will be reviewed by the affected Municipality's Purchasing Coordinator.

20.4. Each written Request for a Change Order must be accompanied by written suggestions where costs can be reduced to offset the Change Order increase requested or a written certification stating that the Contractor has reviewed the work to be performed and cannot identify areas where costs can be reduced.

20.5. A written Change Order must be issued by the affected Municipality's Purchasing Coordinator prior to commencing any additional work covered by such order. Work performed without proper authorization shall be the Contractor's sole risk and expense.

21. INVOICES, PAYMENTS, AND QUANTITIES

The Contractor shall submit invoices to each Municipality detailing the services provided directly to the respective Municipality. All services shall be invoiced based on unit pricing and quantities used. The Municipalities shall only pay for quantities used or ordered. Quantities may be adjusted up or down based on the needs of the Municipality. Payment shall be made in accordance with the Local Government Prompt Payment Act.

Invoices shall be delivered to:

Village of Arlington Heights Emailed to: AccountsPayable@vah.com	**Village of Glenview** Director of Public Works 2498 East Lake Avenue Glenview, IL 60026	**City of Highland Park** Emailed to: kmiller@cityhpil.com
Village of Lake Forest Emailed to: volper@cityoflakeforest.com	**Village of Northbrook** Emailed to: Joseph Rizzo Joseph.Rizzo@northbrook.il.us	**Village of Northfield** c/o Bill Wipperfurth 1800 Winnetka Road Northfield, IL 60093

22. PRECEDENCE

Where there appears to be variances or conflicts, the following order of precedence shall prevail: The Village of Arlington Heights Project Specifications; The Village of Arlington Heights General Terms & Conditions, The Village of Arlington Heights Invitation for Bids, General Terms & Specifications and the Contractor's Bid Response.

23. NON-ENFORCEMENT BY THE VILLAGE

The Contractor shall not be excused from complying with any of the requirements of the Contract because of any failure on the part of the Village, on any one or

more occasions, to insist on the Contractor's performance or to seek the Contractor's compliance with any one or more of said terms or conditions.

24. INDEPENDENT CONTRACTOR

The Contractor is an independent contractor and no employee or agent of the Contractor shall be deemed for any reason to be an employee or agent of the Village.

25. TERMINATION

The Municipalities reserve the right to terminate their respective portion of this contract, or any part thereof, upon thirty (30) days written notice. In case of such termination, the Contractor(s) shall be entitled to receive payment from the terminating Municipalities for work completed to date in accordance with the terms and conditions of this contract. In the event that this Contract is terminated due to Contractor's default, the Municipalities shall be entitled to purchase substitute items and/or services elsewhere and charge the Contractor with any or all losses incurred, including attorney's fees and expenses.

26. ALTERNATE AND MULTIPLE BIDS

Unless otherwise indicated in these documents, the bidder may not submit alternate or multiple bids as part of this package. The submission of more than one bid within a single package may be cause for rejection of any or all of the bids of that bidder.

27. MUNICIPALITY CONTRACTOR'S LICENSE

The most responsive and responsible bidder, prior to commencing any work, must have a valid Contractor's License on-file with the respective Municipality's Development Department, if applicable.

28. NON-APPROPRIATIONS

The Municipalities reserve the right to terminate their respective part of this contract or to reject bids, in the event that sufficient funds to complete the contract are not appropriated by the either Village Board of Trustees or City Council of the affected Municipality.

29. UNBALANCED BIDS

Any bid which is materially unbalanced as to prices for the Base Bid and/or Optional Bid Items may be rejected. An unbalanced bid is one which is based on the prices significantly less than the cost for some work and/or prices which are significantly overstated for other work.

The Village of Arlington Heights will review all unit prices submitted by the apparently lowest responsible and responsive bidder and will decide whether any

of the unit prices are excessively above or below a reasonable cost analysis value determined by the Municipalities.

In the event any unit prices are determined to be unbalanced and contrary to the interest of the Municipalities, the right is reserved to reject such bid at the discretion of the Village of Arlington Heights.

30. OMISSIONS/HIDDEN CONDITIONS

The drawings and specifications are intended to include all work and materials necessary for completion of the work. Any incidental item of material, labor, or detail required for the proper execution and completion of the work and omitted from either the drawings or specifications or both, but obviously required by governing codes, federal or state laws, local regulations, trade practices, operational functions, and good workmanship, shall be provided as a part of the contract work at no additional cost to the owner, even though not specifically detailed or mentioned.

31. AUDIT/ACCESS TO RECORDS

31.1. The Contractor shall maintain books, records, documents and other evidence directly pertinent to performance of the work under this agreement consistent with generally accepted accounting standards in accordance with the American Institute of Certified Public Accountants Professional Standards. The Contractor shall also maintain the financial information and data used by the Contractor in the preparation or support of any cost submissions required under this subsection, (Negotiation of contract amendments, change orders) and a copy of the cost summary submitted to the Municipality. The Auditor General, the Municipality, or any government agency or any of their duly authorized representatives shall have access to the books, records, documents, and other evidence for purposes of inspection, audit, and copying. The Contractor will provide facilities for such access and inspection.

31.2. Audits conducted pursuant to this provision shall be consistent with generally accepted auditing standards in accordance with the American Institute of Public Accountants Professional Standards.

31.3. The Contractor agrees to the disclosure of all information and reports resulting from access to records pursuant to the subsection above. Where the audit concerns a Contractor, the auditing agency will afford the Contractor an opportunity for an audit exit conference and an opportunity to comment on the pertinent portions of the draft audit report. The final audit report will include the written comments, if any, of the audited parties.

31.4. Records under the subsections above shall be maintained and made available during performance of the work under this agreement and until three years from the date of final audit for the project. In addition, those records which relate to any dispute or litigation or the settlement of claims

arising out of such performance, costs or items to which an audit exception has been taken, shall be maintained and made available for three years after the date of resolution of such dispute, appeal, litigation, claim or exception.

32. COMPETENCY OF BIDDER

If requested in writing by a municipality, the Bidder must present within three (3) working days, satisfactory evidence of its ability and possession of the necessary facilities, experience, financial resources and adequate insurance to comply with the terms of the Contract Documents.

Additionally, bidders shall provide, at a minimum, five (5) references that indicate the bidder's ability to successfully perform similar work on the form identified herein.

SPECIFICATIONS

1. SCOPE OF WORK

1.1. Village of Arlington Heights FULL SYSTEM SURVEY FOR EACH YEAR SERVICES ARE REQUESTED.

The Village of Arlington Heights water system consists of approximately 26,900 service connections and approximately 286 miles of water main ranging in size from 4" to 24" pipe. There are approximately 3,300 hydrants and 4,400 valves throughout the systems. The average daily pumpage is 8.0 MGD and all water is supplied from the Northwest Water Commission.

1.2. Village of Glenview - FULL SYSTEM SURVEY FOR EACH YEAR SERVICES ARE REQUESTED.

The Glenview system consists of approximately 16,000 service connections and approximately 246 miles of water main ranging in size from 4" to 42" pipe. There are 2,700 hydrants and 4,200 valves throughout the system. The average daily pumpage is 8.53 MGD and all the water is supplied from the Village of Wilmette.

1.3. City of Highland Park - FULL SYSTEM SURVEY FOR EACH YEAR SERVICES ARE REQUESTED

The City of Highland Park water distribution system consists of 10,449 service connections and over 180 miles of water main ranging in size from 4" to 36" pipe. There are 1,805 hydrants and 2,143 valves throughout the system. The average pumpage is 8.5 MGD and all water is supplied from The City of Highland Park.

1.4. Village of Lake Forest - FULL SYSTEM SURVEY FOR EACH YEAR SERVICES ARE REQUESTED

The City of Lake Forest water distribution system consists of approximately 6,800 service connections and approximately 170 miles of water main ranging in size from 4" to 36" pipe. There are 1,500 hydrants and 1,800 valves throughout the system. The average pumpage is 3.54 MGD and all water is supplied from the City of Lake Forest.

1.5. Village of Northbrook - FULL SYSTEM SURVEY FOR EACH YEAR SERVICES ARE REQUESTED

The Village of Northbrook water distribution system consists of 12,500 service connections and over 220 miles of water main ranging in size from 4" to 42" pipe. There are over 2,751 hydrants and over 2,145 valves throughout the system. The average pumpage is 9 MGD and all water is supplied from Lake Michigan.

1.6. Village of Northfield - FULL SYSTEM SURVEY FOR EACH YEAR SERVICES ARE REQUESTED

The Village of Northfield is supplied by the Village of Winnetka with three main feeders. There is an emergency connection with Glencoe's water tower. The Village of Northfield owns and maintains approximately 591 hydrants and 550 valves. There are 2,136 service connections within the 48 square-miles (or 253,440 linear feet) of water mains. The water mains range in size from 4"-24". We pump an average of just below 1 MGD.

2. PROJECT DELIVERABLES

The Contractor shall provide the following identified below at each year end. All project deliverables shall be submitted to the respective Municipality within 30 days completion of services or October 31st, whichever comes first.

2.1. Records of Findings

The Contractor shall develop and maintain detection survey field notes. These records shall record the type of monitored appurtenances, their location and any mechanical deficiencies discovered during the survey, i.e. broken or leaking valves, hydrants or buffalo boxes. Any mapping discrepancies found shall also be recorded. The records shall be submitted with the final report and shall be suitable for presentation to the respective Village Board of Trustees or City Council for their review.

2.2. Leak Location Documentation

As each leak is pin-pointed, its location shall be marked in the field. The contractor shall submit a written "Leak Location Form" on the day a leak was pin-pointed. The "Leak Location Form" shall include a descriptive map of each leak location and an estimated amount of water leakage. Other information contained within this document will include correlation filters, line locations, and distances between sensors. The contractor will submit this document to the Municipalities weekly or upon demand.

2.3. Final Report

At the conclusion of each survey, the contractor shall prepare and submit one (1) hardcopy and one (1) electronic copy of a comprehensive detailed report. This summary report shall include, but is not limited to: areas surveyed, number and type of leaks found, estimates of leakage, map discrepancies, and any valve, hydrant or buffalo box repairs.

3. MATERIALS & SERVICES TO BE PROVIDED BY THE MUNICIPALITIES

Arlington Heights

The Village of Arlington Heights will supply the contractor with one (1) 11" x 17" copy of the most current water distribution maps and necessary records to conduct the survey. PDFs and/or Cityworks access with appropriate GIS layers will also be available if requested.

Glenview

The Village of Glenview will supply the contractor with one (1) 11" x 17" copy of the most current water distribution maps and necessary records to conduct the survey.

Highland Park

The City of Highland Park will supply the contractor with one (1) 11" x 17" copy of the most current water distribution maps and necessary records to conduct the survey. PDFs access with appropriate GIS layers will also be available if requested.

Lake Forest

The City of Lake Forest will supply the contractor with one 11" x 17" copy of the most current water distribution maps and necessary records to conduct the survey. PDFs and access with appropriate GIS layers will also be available if requested.

Northbrook

The Village of Northbrook will supply the contractor with one 11" x 17" copy of the most current water distribution maps and necessary records to conduct the

survey. PDFs and access with appropriate GIS layers will also be available if requested.

Northfield

The Village of Northfield will supply the contractor with one (1) 11" X 17" copy of the most current water distribution maps and necessary records to conduct the survey.

The Municipalities shall make available, as necessary, personnel with working knowledge of their respective water systems. These persons may assist in locating valves, mains and supplying general information about the system. The Municipalities may assist as necessary, with the cleaning of valve vaults and buffalo boxes in an effort to aid the contractor with listening for leakage. This assistance shall be provided during regular working days, Monday through Friday, 7:00AM-3:00PM.

4. TECHNICAL SPECIFICATIONS

4.1. The leak detection survey shall consist of, but is not limited to, listening to accessible mainline water distribution valves, hydrants, and when necessary, buffalo boxes with electronic listening equipment. Any listening points that are not accessible will be reported to the utility and then listened to upon correction. All leak detection shall be completed no later than October 31st of each year.

4.2. Listening points of the contract include valves, hydrants, service valves, or meter settings. The listening points' preference is as follows: direct contact with the pipe, mainline valves, hydrant valves, hydrants, then service valves or meter settings.

4.3. When the Contractor identifies a significant water leak, the Contractor shall mark the parkway or street with a mutually agreed upon color of spray paint. If the leak is suspected to be in a residential driveway, the Contractor shall not mark with spray paint. The Contractor shall notify the respective Municipality's contact person when a significant leak is found. The contractor will notify the Municipality of any leaks requiring immediate attention (threat to life, injury, or traffic).

4.4. Specific listening distances will be determined by pipe material.

- Metallic Type: No greater than 500' between listening points
- Non-Metallic AC/Concrete Type: No greater than 300' between listening points
- Non-Metallic PVC/HDPE Type: No greater than 150' between listening points.

The Echologics Leak Finder-ST with headphones leak detector or Fluid Conservation Systems (FCS) TriCorr Touch leak correlator or comparable to FCS TriCorr will be used for correlations because of these correlators' ability to be able to analyze the particular sound frequencies inherent to PVC pipe.

5. EMERGENCY SERVICES

The Contractor shall be called upon from time to time to respond after business hours (3:30 p.m. through 7 a.m.) or during regular business hours (7 a.m. and 3:30 p.m.) when not performing work in a municipality to assist crews with locating possible main breaks. Under these circumstances the Contractor shall be compensated only at an hourly rate per crew that shall be inclusive of all labor, materials, travel, and equipment as identified herein. Only the cost for after business hours emergency responses will include travel time to the site.

The awarded contractor shall provide a 24-hour emergency telephone number to contact a representative in case of emergency. For any/all emergency services that are needed, the Municipalities request that the Contractor provide hourly rates under the Pricing Table section of the RFB.

The Municipalities reserve the right to terminate the Agreement for violations to the Emergency Services response time as identified herein.

6. SCHEDULING OF WORK

The Municipalities shall schedule their work independent of the other. The Contractor shall have sufficient equipment and personnel to work simultaneously in each Village and to complete the leak detection survey prior to October 31 of each year.

Unless unusual circumstances dictate, all survey work shall be conducted during daylight hours, with the water system operating in a normal manner. Twenty-four (24) hour notification is required prior to any conducting services after business hours or during the night.

7. CONTRACTOR'S PERSONNEL

While working for the Municipalities the Contractor shall be responsible for ensuring that all personnel are properly identified to minimize customer concerns regarding the presence of unusual utility workers in the parkways, alleys, and lot lines. Specifically, Contractors shall display a picture identification badges with the Contractor's business name and/or logo on it or a standard uniform with the Contractor's and employees affixed.

8. CONTRACTOR'S EQUIPMENT

The Municipalities may provide the Contractor space at their Public Works facility to store equipment while working in the Municipalities. In exchange for storage space, the Contractor shall identify the discount to each Municipality if space is provided. Access to facilities shall be established with the successful bidder.

SCHEDULE OF PRICES

WATER SYSTEM LEAK DETECTION & SURVEY SERVICES PRICING TABLE

Item A – Year One

Item No.	Items	Unit	Annual Price
1.	Arlington Heights	Year	
2.	Glenview	Year	
3.	Highland Park	Year	
4.	Lake Forest	Year	
5.	Northbrook	Year	
6.	Northfield	Year	
	Total Item A – Year One Costs		

Item B – Year Two

Item No.	Items	Unit	Annual Price
1.	Arlington Heights	Year	
2.	Glenview	Year	
3.	Highland Park	Year	
4.	Lake Forest	Year	
5.	Northbrook	Year	
6.	Northfield	Year	
	Total Item B – Year Two Costs		

Item C – Year Three

Item No.	Items	Unit	Annual Price
1.	Arlington Heights	Year	
2.	Glenview	Year	
3.	Highland Park	Year	
4.	Lake Forest	Year	
5.	Northbrook	Year	
6.	Northfield	Year	
	Total Item C – Year Three Costs		
	TOTAL COST OF ALL ITEMS		

ANNUAL DISCOUNT IF ALLOWED TO STORE AT MUNICIPAL FACILITY

IF THE CONTRACTOR WILL UTILIZE SPACE AT A MUNICIPAL FACILITY TO STORE EQUIPMENT OVERNIGHT

Item No.	Items	% Annual Discount
1.	Arlington Heights	%
2.	Glenview	%
3.	Highland Park	%
4.	Lake Forest	%
5.	Northbrook	%
6.	Northfield	%

Emergency Response Rate

Item No.	Items	Unit	Rate
1.	Regular Hours – No Minimums	Per Hour	
2.	After Hours – Minimum Two Hours	Two Hour Callout	
3.	After Hours – Hourly Cost After Two Hour Minimum	Per Hour	

Any and all exceptions to these specifications MUST be clearly and completely indicated on the bid sheet. Attach additional pages if necessary. **NOTE TO BIDDERS:** Please be advised that any exceptions to these specifications may cause your bid to be disqualified. Submit bids by SEALED BID ONLY. Fax and e-mail bids are not acceptable and will not be considered.

THE SECTION BELOW MUST BE COMPLETED IN FULL AND SIGNED

The undersigned hereby certifies that they have read and understand the contents of this solicitation and agree to furnish at the prices shown any or all of the items above, subject to all instructions, conditions, specifications and attachments hereto. Failure to have read all the provisions of this solicitation shall not be cause to alter any resulting contract or to accept any request for additional compensation. By signing this bid document, the bidder hereby certifies that they are not barred from bidding on this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code of 1961, as amended.

Authorized Signature:_____ **Company Name:**_____

Typed/Printed Name:_____ **Date:**_____

Title:_____ **Telephone Number:**_____

E-mail_____

CONTRACTORS REFERENCES

Please list below five (5) references for which your firm has performed similar work for municipalities as identified in Bidder Qualifications.

Municipality:	
Address:	
Contact Person:	
Telephone Number:	
Dates of Service:	
Award Amount:	

Municipality:	
Address:	
Contact Person:	
Telephone Number:	
Dates of Service:	
Award Amount:	

Municipality:	
Address:	
Contact Person:	
Telephone Number:	
Dates of Service:	
Award Amount:	

Municipality:	
Address:	
Contact Person:	
Telephone Number:	
Dates of Service:	
Award Amount:	
Municipality:	
Address:	
Contact Person:	

Telephone Number:	
Dates of Service:	
Award Amount:	

DISQUALIFICATIONS OF CERTAIN BIDDERS – PERSONS AND ENTITIES SUBJECT TO DISQUALIFICATION

No person or business entity shall be awarded a contract or subcontract, for a stated period of time, from the date of conviction or entry of a plea or admission of guilt, if the person or business entity,

- has been convicted of an act committed, within the State of Illinois or any state within the United States, of bribery or attempting to bribe an officer or employee in the State of Illinois, or any State in the United States in that officer's or employee's official capacity;
- has been convicted of an act committed, within the State of Illinois or any state within the United States, of bid rigging or attempting to rig bids as defined in the Sherman Anti-Trust Act and Clayton Act 15 U.S.C.;
- has been convicted of bid rigging or attempting to rig bids under the laws of the State of Illinois, or any state in the United States;
- has been convicted of bid rotating or attempting to rotate bids under the laws of the State of Illinois, or any state in the United States;
- has been convicted of an act committed, within the State of Illinois or any state in the United States, of price-fixing or attempting to fix prices as defined by the Sherman Anti-Trust Act and Clayton Act 15 U.S.C. Sec. 1 et seq.;
- has been convicted of price-fixing or attempting to fix prices under the laws of the State of Illinois, or any state in the United States;
- has been convicted of defrauding or attempting to defraud any unit of state or local government or school district within the State of Illinois or in any state in the United States;
- has made an admission of guilt of such conduct as set forth in subsection (A) through (F) above which admission is a matter of record, whether or not such person or business entity was subject to prosecution for the offense or offenses admitted to;
- has entered a plea of nolo contendere to charges of bribery, price fixing, bid rigging, bid rotating, or fraud; as set forth in subparagraphs (A) through (F) above.

Business entity, as used herein, means a corporation, partnership, limited liability company trust, association, unincorporated business or individually owned business.

By signing this document, the bidder hereby certifies that they are not barred from bidding on this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code of 1961, as amended.

_____

(Signature of Offeror if the Offeror is an Individual)
(Signature of Partner if the Offeror is a Partnership)
(Signature of Officer if the Offeror is a Corporation)

The above statements must be subscribed a sworn to before a notary public.

Subscribed and Sworn to this_____day of_____, 2025

Notary Public_____

Failure to complete and return this form may be considered sufficient reason for rejection of the proposal.

SUB-CONTRACTOR INFORMATION

Name:	
# Years In Business:	
Address:	
# Years Used By Contractor	
Services Used By Sub-Contractor	

Name:	
# Years In Business:	
Address:	
# Years Used By Contractor	
Services Used By Sub-Contractor	

Name:	
# Years In Business:	
Address:	
# Years Used By Contractor	
Services Used By Sub-Contractor	

Name:	
# Years In Business:	
Address:	
# Years Used By Contractor	
Services Used By Sub-Contractor	

Name:	
# Years In Business:	
Address:	
# Years Used By Contractor	
Services Used By Sub-Contractor	

ATTACHMENT 1

ADDITIONAL INFORMATION CONCERNING THE MUNICIPALITIES

Village of Arlington Heights

1. Miles of distribution pipeline requiring leak detection: 260 Lane Miles
2. System total mileage: 286
3. Will accurate system maps be made available? If so, what are the age of the maps? Yes, they can be made available daily by either print or digital.
4. Is your municipality on a grid system? No, Arlington Heights is on a loop system.
5. Please list the water pipe diameter size range: 4" to 42"
6. Approximately what percent of your pipes are:
    a. cast iron: 49%
    b. ductile iron: 50%
    c. steel: 0%
    d. AC: 0%
    e. PVC : 1%
    f. other: 0%
7. What materials are your service lines (copper, poly, galv., etc.)? Copper, Lead
8. Please list your system pressure variances (PSI) range: 40 to 60 PSI
9. Please list your water loss in GPM and also as a percent: Unknown
10. Approximate # of service connections: 26,900
11. What % of services are metered: 100%
12. Please list your pipe depth range: 4' to 12'
13. Please list your water source(s): Lake Michigan
14. Number of tanks/reservoirs: 7 tanks
15. Do you currently use GIS: Yes
16. Do you currently use a computer maintenance management system (CityWorks, PubWorks etc.)? If so, what system do you use? Yes, Cityworks. Access can be provided to the contractor if requested.
17. Have you started an asset management program? Yes

Village of Glenview

1. Miles of distribution pipeline requiring leak detection: 246
2. System total mileage: 246
3. Will accurate system maps be made available? If so, what are the age of the maps? Yes. They are updated as we find issues
4. Is your municipality on a grid system? No, Glenview is on a loop system
5. Please list the water pipe diameter size range: 4" to 42"
6. Approximately what percent of your pipes are:
    a. cast iron: 37.8 percent
    b. ductile iron: 52.8 percent
    c. steel: 0 percent
    d. AC: 0.44 percent
    e. PVC : 3.6 percent
    f. other: 5.30 percent
7. What materials are your service lines (copper, poly, galv., etc.)? Copper, Galv. Other
8. Please list your system pressure variances (PSI) range: 40 to 65
9. Please list your water loss in GPM and also as a percent: 18.5 percent
10. Approximate # of service connections: 16,000
11. What % of services are metered: ~100 percent
12. Please list your pipe depth range: 4' to 14'
13. Please list your water source(s): Lake Michigan
14. Number of tanks/reservoirs: 1 tank and 3 reservoirs
15. Do you currently use GIS: Yes
16. Do you currently use a computer maintenance management system (CityWorks, PubWorks etc.)? If so, what system do you use? No
17. Have you started an asset management program? No

City of Highland Park

1. Miles of distribution pipeline requiring leak detection: 172
2. System total mileage: 172
3. Will accurate system maps be made available? If so, what are the age of the maps? Yes, they are current. Items are updated as we find them.
4. Is your municipality on a grid system? No we are a loop system.
5. Please list the water pipe diameter size range: 4”-36”
6. Approximately what percent of your pipes are:
    a. Cast iron: 51.19
    b. Ductile iron: 27.28
    c. Steel: 0
    d. AC: 0
    e. PVC: .28
    f. Other: 20.65
    g. Reinforced Concrete: .6
7. What materials are your service lines (copper, poly, galv., etc.)? Ductile, Cast, Copper, Galvanized, and Lead
8. Please list your system pressure variances (PSI) range: 65-100
9. Approximate # of service connections: 10,449
10. What % of services are metered: All
11. Please list your pipe depth range: 4’-16’
12. Please list your water source(s):Lake Michigan
13. Number of tanks/reservoirs: 3
14. Do you currently use GIS: Yes
15. Do you currently use a computer maintenance management system (CityWorks, PubWorks etc.)? If so, what system do you use? No
16. Have you started an asset management program? No

Village of Lake Forest

1. Miles of distribution pipeline requiring leak detection: 170
2. System total mileage: 170
3. Will accurate system maps be made available? If so, what are the age of the maps? Yes. Maps are updated as we find issues.
4. Is your municipality on a grid system? No
5. Please list the water pipe diameter size range: 4" to 36"
6. Approximately what percent of your pipes are:
    a. Cast iron: 43.96 percent
    b. Ductile iron: 48.55 percent
    c. Steel: 0 percent
    d. AC: .34 percent
    e. PVC: 4.72 percent
    f. Other: 2.43 percent
7. What materials are your service lines (copper, poly, galv., etc.)? Copper, Galv., Lead and Poly
8. Please list your system pressure variances (PSI) range: 40-65
9. Approximate # of service connections: 6,800
10. What % of services are metered: 100 percent
11. Please list your pipe depth range: 5' to 12'
12. Please list your water source(s): Lake Michigan
13. Number of tanks/reservoirs: 1 tank and 1 reservoir
14. Do you currently use GIS: Yes
15. Do you currently use a computer maintenance management system (CityWorks, PubWorks etc.)? If so, what system do you use? Yes, Cartegraph
16. Have you started an asset management program? Yes

Village of Northbrook

1. Miles of distribution pipeline requiring leak detection: 220
2. System total mileage: 220
3. Will accurate system maps be made available? If so, what are the age of the maps? Current
4. Is your municipality on a grid system? No
5. Please list the water pipe diameter size range: 4” to 42”
6. Contact points (valves, hydrants, services) are within ___ ft: 30ft to 150ft
7. Approximately what percent of your pipes are:
    a. Cast iron: 55%
    b. Ductile iron: 41%
    c. Steel:
    d. AC: 1%
    e. PVC: 3%
    f. Other:
8. What materials are your service lines (copper, poly, galv., etc.)? Copper, ductile iron, cast iron, and lead
9. Please list your system pressure variances (PSI) range: 40 to 65 psi
10. Approximate # of service connections: 12,420
11. What % of services are metered: 100%
12. Please list your pipe depth range: 4’ to 10’
13. Please list your water source(s): Lake Michigan
14. Number of tanks/reservoirs: 2 Elevated storage tanks, 1 Reservoir
15. Do you currently use GIS: Yes
16. Do you currently use a computer maintenance management system (CityWorks, PubWorks etc.)? If so, what system do you use? No
17. Have you started an asset management program? Yes

Village of Northfield

1. Miles of distribution pipeline requiring leak detection: 48 miles
2. System total mileage: 48 miles
3. Will accurate system maps be made available? If so, what are the age of the maps? Yes, Last updated 2014
4. Is your municipality on a grid system? No
5. Please list the water pipe diameter size range: 4”-24”
6. Contact points (valves, hydrants, services are within 300 ft.
7. Approximately what percent of your pipes are:
    a. cast iron: 25%
    b. ductile iron: 70%
    c. steel:
    d. AC:
    e. PVC: 5%
    f. Other:
8. What materials are your service lines (copper, poly, galv., etc.)? Copper and Lead.
9. Please list your system pressure variances (PSI) range: 60 psi
10. Please list your water loss in GPM and also as a percent: 2014 LMO-2 was 7.94%
11. Approximate # of service connections: 2,018
12. What % of services are metered: 100%
13. Please list your pipe depth range: 4 -9 feet
14. Please list your water source(s): Winnetka and Village of Glencoe
15. Number of tanks/reservoirs: 1 reservoir
16. Do you currently use GIS: yes
17. Do you currently use a computer maintenance management system (CityWorks, PubWorks etc.)? If so, what system do you use? No
18. Have you started an asset management program? No

AIA® Document A310™ - 2010

Bid Bond

Bond No: CIC1962313B

CONTRACTOR:
(Name, legal status and address)

M.E. Simpson Company Inc.
3406 Enterprise Ave
Valparaiso, IN 46383

SURETY:
(Name, legal status and principal place of business)

Capitol Indemnity Corporation
1600 Aspen Commons
Middleton, WI 53562

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

OWNER:
(Name, legal status and address)

The Village of Arlington Heights
33 S. Arlington Heights Road
Arlington Heights, IL 60005

BOND AMOUNT:
10% of total amount of bid not to exceed: Ninety Seven Thousand, Six Hundred Fifty and 00/100 Dollars ($97,650.00)

PROJECT:
(Name, location or address, and Project number, if any)

Water System Leak Detection and Survey Services for the Municipalities of Arlington Heights, Glenview, Highland Park, Lake Forest, Northbrook, and Northfield, IL

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and Severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor Within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such Bid, and gives such bond or bonds as may be specified in the bidding or contract Documents, with a surety admitted In the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 24th day of March, 2025

M.E. Simpson Company Inc.
(Principal) *(Seal)*

(Witness)

(Title) Michael Simpson, Indiana

Capitol Indemnity Corporation
(Surety) *(Seal)*

(Witness)

(Title) Jeremy J. Crawford, Attorney-In-Fact

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Lock Fields

CAPITOL INDEMNITY CORPORATION
POWER OF ATTORNEY

CIC1962313B
Bond Number

KNOW ALL MEN BY THESE PRESENTS, That the **CAPITOL INDEMNITY CORPORATION**, a corporation of the State of Wisconsin, having its principal offices in the City of Middleton, Wisconsin, does make, constitute and appoint

----------JEREMY J. CRAWFORD; WILLIAM J. NEMEC; MICHAEL D. WILLIAMS----------

its true and lawful Attorney(s)-in-fact, to make, execute, seal and deliver for and on its behalf, as surety, and as its act and deed, any and all bonds, undertakings and contracts of suretyship, provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed in amount the sum of

---------- ALL WRITTEN INSTRUMENTS IN AN AM OUNT NOT TO EXCEED: $20,000,000.00----------

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of **CAPITOL INDEMNITY CORPORATION** at a meeting duly called and held on the 15th day of May, 2002.

"**RESOLVED**, that the President, Executive Vice President, Vice President, Secretary or Treasurer, acting individually or otherwise, be and they hereby are granted the power and authorization to appoint by a Power of Attorney for the purposes only of executing and attesting bonds and undertakings, and other writings obligatory in the nature thereof, one or more resident vice-presidents, assistant secretaries and attorney(s)-in-fact, each appointee to have the powers and duties usual to such offices to the business of this company; the signature of such officers and seal of the Company may be affixed to any such power of attorney or to any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company, and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking or other writing obligatory in the nature thereof to which it is attached. Any such appointment may be revoked, for cause, or without cause, by any of said officers, at any time."

In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.

In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner – Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

IN WITNESS WHEREOF, the **CAPITOL INDEMNITY CORPORATION** has caused these presents to be signed by its officer undersigned and its corporate seal to be hereto affixed duly attested, this 1st day of January, 2020.

Attest:

Ryan J. Byrnes
Senior Vice President,
Chief Financial Officer and Treasurer

Suzanne M. Broadbent
Assistant Secretary

CAPITOL INDEMNITY CORPORATION

John L. Sennott, Jr.
Chief Executive Officer and President

STATE OF WISCONSIN
COUNTY OF DANE } S.S.:

On the 1st day of January, 2020 before me personally came John L. Sennott, Jr., to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is Chief Executive Officer and President of **CAPITOL INDEMNITY CORPORATION**, the corporation described in and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation and that he signed his name thereto by like order.

David J. Regele
Notary Public, Dane Co., WI
My Commission Is Permanent

STATE OF WISCONSIN
COUNTY OF DANE } S.S.:

I, the undersigned, duly elected to the office stated below, now the incumbent in **CAPITOL INDEMNITY CORPORATION**, a Wisconsin Corporation, authorized to make this certificate, **DO HEREBY CERTIFY** that the foregoing attached Power of Attorney remains in full force and has not been revoked; and furthermore, that the Resolution of the Board of Directors, set forth in the Power of Attorney is now in force.

Signed and sealed at the City of Middleton, State of Wisconsin this 24th day of March 20 25.

Andrew B. Diaz-Matos
Senior Vice President, General Counsel and Secretary

THIS DOCUMENT HAS BEEN GENERATED FOR A SPECIFIC BOND. IF YOU HAVE ANY QUESTIONS CONCERNING THE AUTHENTICITY OF THIS DOCUMENT CALL 800-475-4450.

CIC-ePOA-M (Rev. 01-2020)

VILLAGE OF ARLINGTON HEIGHTS
AFFIDAVIT OF COMPLIANCE

Applicant M.E. Simpson Co., Inc.
Name

3406 Enterprise Ave., Valparaiso, IN 46383
Address

As a condition of entering into a contract with the Village of Arlington Heights, and under oath and penalty of perjury and possible termination of contract right and debarment, the undersigned, Cara Lance-Emerick, being first duly sworn on oath, deposes and states that he or she is Chief Financial Officer (sole owner, partner, joint ventured, President, Secretary, etc..) of M.E. Simpson Co., Inc. and has the authority to
(Name of Company)
make all certifications required by this affidavit.

Section I

Non Collusion

The undersigned certifies that this bid, that such bid is genuine and not collusive or sham, that said bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any bidder or person, to put in a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference with any person, to fix the bid price element of this bid, or of that of any other bidder, or to secure any advantage against any other bidder or any person interested in the proposed contract.

Section II

Bid Rigging and Rotating

The undersigned hereby certifies that it is not barred from bidding or contracting as a result of a conviction for violations of state laws prohibiting bid rigging or bid rotating or any similar offense of any state of the United States.

Section III

Illinois Drug Free Workplace Act

The undersigned further states that M.E. Simpson Co., Inc. provides a
(Name of Company)
drug free workplace pursuant to Illinois Statues, 30 ILCS 580/1, et seq and provides compliance with necessary requirements.

Section IV

Tax Payment

The undersigned further states that M.E. Simpson Co., Inc. is not
(Name of Company)
delinquent in payment of any taxes to the Illinois Department of Revenue, in accordance with Illinois Compiled Statues, 65 ILCS 5/11-42.1. The undersigned understands that making a false statement regarding delinquency in taxes is a Class A Misdemeanor and, in addition voids the contract and allows the municipality to recover all amounts paid to the individual or entity under the contract in civil action.

It is expressly understood the foregoing statements and representations and promises are made as a condition to the right of the bidder to receive payment under any award made under the terms and provisions of this bid.

The undersigned certifies that all the information contained in the Affidavit is true and correct.

Signed by: Lance-Emerick
(Name) Cara Lance-Emerick
(Title) CFO

Subscribed and sworn to before me this 19th day of March 2025 AD.

By: Carolyn Lewis
(Notary Public)

-Seal-

CAROLYN LEWIS
Notary Public - Seal
La Porte County - State of Indiana
Commission Number NP0646260
My Commission Expires Jul 30, 2029

VILLAGE OF ARLINGTON HEIGHTS
INDEMNITY HOLD HARMLESS AGREEMENT

To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify and hold harmless the Village of Arlington Heights, its Board of Trustees, officers, agents and employees from any and all liability, losses or damages the Village may suffer as a result of claims, demands, suits, actions or proceedings of any kind or nature in any way resulting from or arising out of any action on the part of the Contractor or any Subcontractor. The Contractor shall, at its own expense; appear, defend and pay all charges of attorneys and all costs and other expenses arising therefrom or incurred in connection therewith, and, if any judgment shall be rendered against the Village of Arlington Heights, its Board of Trustees, officers, agents and employees, in any such action, the contractor shall, at its own expense, satisfy and discharge the same. This indemnification does not apply to liability caused by the Village's own negligence.

The Contractor expressly understands and agrees that any insurance policies required by this contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the Village of Arlington Heights, its Board of Trustees, officers, agents and employees as herein provided.

CONTRACTOR: M.E. Simpson Co., Inc.

By: Carjan-Erich

VENDOR QUESTIONNAIRE

Company Name: M.E. Simpson Co., Inc.

Address: 3406 Enterprise Ave.

City: Valparaiso State: IN Zip: 46383

Phone: 800-255-1521 E-Mail: joen@mesimpson.com

Commodity: SIC Code 4941 Years in Business: 46

DBE (Disadvantaged Business Enterprise) Classification: Please indicate your DBE classification below, and provide any agency certifications you have received.

- ☐ MBE (Minority-Owned Business Enterprise): A business that is at least 51 percent owned by one or more minorities. A person who is a U.S. citizen or lawful permanent resident and is African American, Hispanic American, Asian American, Native American, as well as other groups found to be disadvantaged pursuant to Section 8 (a) of the Small Business Act.
- ☐ WBE (Women-Owned Business Enterprise): A business that is at least 51 percent owned by a woman or women who are United States Citizens or lawful permanent residents of the United States.
- ☐ DOBE (Disability-Owned Business Enterprise): A business that is at least 51 percent owned by a person or group of persons with a disability, as recognized by the Americans with Disabilities Act.
- ☐ VOSB (Veteran-Owned Small Business): A business that meets the qualifications to be a small business according to the SBA, and is at least 51 percent owned, operated and controlled by a veteran.
- ☒ Not Applicable

Certifications:
Agency/Institution: N/A

Phone: N/A Approval Date: N/A

I hereby certify that the information supplied in this form is complete and correct to the best of my knowledge and belief. I authorize The Village of Arlington Heights to verify any of this information as needed.

Signature: Cara Lance-Emerick Title: CFO

Name: Cara Lance-Emerick Date: 3/19/25

SCHEDULE OF PRICES

WATER SYSTEM LEAK DETECTION & SURVEY SERVICES PRICING TABLE

Item A – Year One

Item No.	Items	Unit	Annual Price
1.	Arlington Heights	Year	$74,100.00
2.	Glenview	Year	$70,110.00
3.	Highland Park	Year	$49,020.00
4.	Lake Forest	Year	$48,450.00
5.	Northbrook	Year	$62,700.00
6.	Northfield	Year	$13,680.00
	Total Item A – Year One Costs		$318,060.00

Item B – Year Two

Item No.	Items	Unit	Annual Price
1.	Arlington Heights	Year	$76,700.00
2.	Glenview	Year	$72,570.00
3.	Highland Park	Year	$50,740.00
4.	Lake Forest	Year	$50,150.00
5.	Northbrook	Year	$64,900.00
6.	Northfield	Year	$14,160.00
	Total Item B – Year Two Costs		$329,220.00

Item C – Year Three

Item No.	Items	Unit	Annual Price
1.	Arlington Heights	Year	$76,700.00
2.	Glenview	Year	$72,570.00
3.	Highland Park	Year	$50,740.00
4.	Lake Forest	Year	$50,150.00
5.	Northbrook	Year	$64,900.00
6.	Northfield	Year	$14,160.00
	Total Item C – Year Three Costs		$329,220.00
	TOTAL COST OF ALL ITEMS		$976,500.00

ANNUAL DISCOUNT IF ALLOWED TO STORE AT MUNICIPAL FACILITY

IF THE CONTRACTOR WILL UTILIZE SPACE AT A MUNICIPAL FACILITY TO STORE EQUIPMENT OVERNIGHT

Item No.	Items	% Annual Discount
1.	Arlington Heights	0 %
2.	Glenview	0 %
3.	Highland Park	0 %
4.	Lake Forest	0 %
5.	Northbrook	0 %
6.	Northfield	0 %

Emergency Response Rate

Item No.	Items	Unit	Rate
1.	Regular Hours – No Minimums	Per Hour	$385.00
2.	After Hours – Minimum Two Hours	Two Hour Callout	$1,395.00
3.	After Hours – Hourly Cost After Two Hour Minimum	Per Hour	$350.00

Any and all exceptions to these specifications MUST be clearly and completely indicated on the bid sheet. Attach additional pages if necessary. **NOTE TO BIDDERS:** Please be advised that any exceptions to these specifications may cause your bid to be disqualified. Submit bids by SEALED BID ONLY. Fax and e-mail bids are not acceptable and will not be considered.

THE SECTION BELOW MUST BE COMPLETED IN FULL AND SIGNED

The undersigned hereby certifies that they have read and understand the contents of this solicitation and agree to furnish at the prices shown any or all of the items above, subject to all instructions, conditions, specifications and attachments hereto. Failure to have read all the provisions of this solicitation shall not be cause to alter any resulting contract or to accept any request for additional compensation. By signing this bid document, the bidder hereby certifies that they are not barred from bidding on this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code of 1961, as amended.

Authorized Signature: _____ **Company Name:** M.E. Simpson Co., Inc.

Typed/Printed Name: Cara Lance-Emerick **Date:** 3/19/2025

Title: CFO **Telephone Number:** 800-255-1521

E-mail caral@mesimpson.com

CONTRACTORS REFERENCES

Please list below five (5) references for which your firm has performed similar work for municipalities as identified in Bidder Qualifications.

Municipality:	City of Joliet, IL
Address:	921 E Washington Street, Joliet, Illinois 60433
Contact Person:	Ms. Allison Swisher, P.E.
Telephone Number:	815.724.4230
Dates of Service:	05-13-2024 - 10-14-2024; M.E. Simpson has performed a leak survey for Joliet annually since 2008
Award Amount:	$189,000.00

Municipality:	Village of Downers Grove, IL
Address:	5101 Walnut Ave, Downers Grove, IL 60515
Contact Person:	Mr. David Moody
Telephone Number:	630.434.5462
Dates of Service:	08-10-2024 - 10-26-2024; annually since 2011
Award Amount:	$54,755.00

Municipality:	City of Batavia, IL
Address:	200 N Raddant Rd, Batavia, IL 60510
Contact Person:	Mr. Jeremy Barkei
Telephone Number:	630.454.2300
Dates of Service:	08-07-2024 - 10-09-2024; annually since 2020
Award Amount:	$42,261.12

Municipality:	Village of Shorewood, IL
Address:	1 Towne Center Blvd, Shorewood, IL 60404
Contact Person:	Mr. Noriel Noriega
Telephone Number:	815.725.2150
Dates of Service:	12-27-2023 - 1/19/24; annually since 2014
Award Amount:	$20,855.00
Municipality:	City of West Bend, WI
Address:	251 Municipal Drive, West Bend , Wisconsin 53095
Contact Person:	Mr. Travis Thull

Telephone Number:	262.335.5040
Dates of Service:	06-24-2024 - 07-19-2024
Award Amount:	$17,640.00

DISQUALIFICATIONS OF CERTAIN BIDDERS – PERSONS AND ENTITIES SUBJECT TO DISQUALIFICATION

No person or business entity shall be awarded a contract or subcontract, for a stated period of time, from the date of conviction or entry of a plea or admission of guilt, if the person or business entity,

- has been convicted of an act committed, within the State of Illinois or any state within the United States, of bribery or attempting to bribe an officer or employee in the State of Illinois, or any State in the United States in that officer's or employee's official capacity;
- has been convicted of an act committed, within the State of Illinois or any state within the United States, of bid rigging or attempting to rig bids as defined in the Sherman Anti-Trust Act and Clayton Act 15 U.S.C.;
- has been convicted of bid rigging or attempting to rig bids under the laws of the State of Illinois, or any state in the United States;
- has been convicted of bid rotating or attempting to rotate bids under the laws of the State of Illinois, or any state in the United States;
- has been convicted of an act committed, within the State of Illinois or any state in the United States, of price-fixing or attempting to fix prices as defined by the Sherman Anti-Trust Act and Clayton Act 15 U.S.C. Sec. 1 et seq.;
- has been convicted of price-fixing or attempting to fix prices under the laws of the State of Illinois, or any state in the United States;
- has been convicted of defrauding or attempting to defraud any unit of state or local government or school district within the State of Illinois or in any state in the United States;
- has made an admission of guilt of such conduct as set forth in subsection (A) through (F) above which admission is a matter of record, whether or not such person or business entity was subject to prosecution for the offense or offenses admitted to;
- has entered a plea of nolo contendere to charges of bribery, price fixing, bid rigging, bid rotating, or fraud; as set forth in subparagraphs (A) through (F) above.

Business entity, as used herein, means a corporation, partnership, limited liability company trust, association, unincorporated business or individually owned business.

By signing this document, the bidder hereby certifies that they are not barred from bidding on this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code of 1961, as amended.

Carfaro-Enill, CFO

(Signature of Offeror if the Offeror is an Individual)
(Signature of Partner if the Offeror is a Partnership)
(Signature of Officer if the Offeror is a Corporation)

The above statements must be subscribed a sworn to before a notary public.

Subscribed and Sworn to this 19th day of March, 2025

Notary Public Carolyn Lewis

Failure to complete and return this form may be considered sufficient reason for rejection of the proposal.

CAROLYN LEWIS
Notary Public - Seal
La Porte County - State of Indiana
Commission Number NP0646260
My Commission Expires Jul 30, 2029

N/A

SUB-CONTRACTOR INFORMATION

Name:	
# Years In Business:	
Address:	
# Years Used By Contractor	
Services Used By Sub-Contractor	

Name:	
# Years In Business:	
Address:	
# Years Used By Contractor	
Services Used By Sub-Contractor	

Name:	
# Years In Business:	
Address:	
# Years Used By Contractor	
Services Used By Sub-Contractor	

Name:	
# Years In Business:	
Address:	
# Years Used By Contractor	
Services Used By Sub-Contractor	

Name:	
# Years In Business:	
Address:	
# Years Used By Contractor	
Services Used By Sub-Contractor	

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Approving Amendment #1 to IDOT's Master Traffic Signal Agreement
Department: Public Works & Engineering

Item Description:
The Village of Arlington Heights maintains approximately 89 signaled intersections within the community. The Village partners with Illinois Department of Transportation (IDOT) for the maintenance for 61 of these signals.

On July 1, 2021, the Village of Arlington Heights entered into a new Master Agreement establishing cost-share of those signals. IDOT has since discovered that the developers of the nearby commercial center were still responsible for the costs associated with the Route 62 and Surrey Ridge Shopping Center signal. There are no billing concerns or history of payment problems.

The Amendment #1 changes the financial responsibility of the signal from the developer to the Municipality, which is common for all of our signaled intersections serving commercial properties. The Village will then invoice the expenditures to the development.

The Village Attorney has reviewed and has made any necessary edits. The costs are passed-through costs and will not impact operating budgets.

RECOMMENDATION

It is recommended that the Village Board approve the attached Resolution approving Addendum #1 to the Illinois Department of Transportation – Master Signal Agreement and authorize the Village Manager to execute all necessary paperwork.

ATTACHMENTS:
1. 2025_04_07_Amendment to_IDOT_Master_Traffic_Signal_Agreement_ Resolution and attachment

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION APPROVING AMENDMENT #1 WITH ILLINOIS DEPARTMENT OF TRANSPORTATION MASTER TRAFFIC SIGNAL AGREEMENT

WHEREAS, the Village and the Illinois Department of Transportation (***"IDOT"***) have entered into an a Master Traffic Signal Agreement on July 1, 2021, concerning the partnering of maintenance for 61 traffic signals in the Village (***"Agreement"***); and

WHEREAS, the original Agreement required that the Village pledge to share with IDOT the financial responsibilities for the maintenance and provision of necessary electrical energy for certain traffic signals and cost associated; and

WHEREAS, the Village and IDOT desire to enter into an addendum to the Agreement for the provision of changing the financial responsibility of the traffic signal at Route 62 and Surrey Ridge Shopping Center, to the Village only (***"Agreement Addendum"***); and"

WHEREAS, the Village President and Board of Trustees have determined that it will serve and be in the best interest of the Village to approve the Agreement Addendum and commit the necessary funding for the Village's share of the cost;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF AGREEMENT ADDENDUM. The Village President and Board of Trustees hereby approve the Agreement Addendum in substantially the form attached to this Resolution as Exhibit No. 1, and in a final form to be approved by the Village Manager and the Village Attorney.

SECTION 3. EXECUTION OF AGREEMENT ADDENDUM. The Village Manager is hereby authorized to execute, on behalf of the Village, the Agreement Addendum and all necessary documentation related thereto.

SECTION 4. PLEDGE OF VILLAGE FUNDING. The President and Board of Trustees hereby pledge their intent to provide its share of the costs of the improvements to be completed pursuant to the Agreement Addendum, which amount is currently estimated as $6,000.

SECTION 5. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

[SIGNATURE PAGE FOLLOWS]

AYES:

NAYS:

PASSED AND APPROVED THIS _____ day of _____, 2025

_____
Village President

ATTEST:

_____
Village Clerk

EXHIBIT NO. 1

AGREEMENT

Illinois Department of Transportation

Intergovernmental

Agreement Amendment

No. 1

FOR THE AGREEMENT SIGNAL MAINTENANCE AND ELECTRICAL ENERGY RESPONSIBILITIES
FOR CONTROL DEVICES IN THE VILLAGE OF ARLINGTON HEIGHTS

The undersigned DEPARTMENT and GOVERNMENTAL BODY (the PARTIES) agree that the following AMENDMENT shall amend the AGREEMENT referenced herein. All terms and conditions set forth in the original AGREEMENT, not amended herein, shall remain in full force and effect as written. In the event of a conflict, the terms of this AMENDMENT shall prevail. This AMENDMENT is in the best interest of the State of Illinois and is authorized by law and Part 1D. of the AGREEMENT.

1. Description Of Agreement

This is the Master Agreement for Local Agency maintenance and apportionment of energy costs for traffic control devices located on State highway within or near the Local Agency.

2. Effective Date of Amendment

Upon execution until June 30, 2031.

3. Description Of Amendment

The DEPARTMENT intends to update the Exhibit "A" of the Master Agreement due to traffic signal location IL 62 at Surrey Ridge Shopping (Lowe's Main Entrance Access) described within.

4. Attachments and Incorporations **Choose the appropriate attachment clause**

☐ No Attachments applicable to this Amendment

☒ The following Attachments are hereby incorporated and made part of this Amendment

Attachment A - Description of Amendment
Attachment B - Revised Exhibit A

IN WITNESS WHEREOF, the parties have caused this AGREEMENT AMENDMENT to be executed on the dates shown below by representatives authorized to bind the respective parties.

FOR THE GOVERNMENTAL BODY

Signature of the Authorized Representative

Printed Name & Title of the Authorized Representative

Date

Governmental Body: Village of Arlington Heights

Legal Address: 33 South Arlington Heights Road

City: Arlington Heights

State: IL

Zip: 60005

Attn

Email

FOR THE DEPARTMENT

Check One:

☒ The amendment is under $250,000. Only the Director and/or Secretary's signatures are required and may be delegated.

☐ The amendment is over $250,000. All signatures below are required and cannot be delegated.

Stephen M. Travia, P.E., Director
Office of Highways Project Implementation,Chief Eng.

Date

Omer Osman, P.E., Secretary of Transportation

Date

By

Printed Name

Printed Title

By

Printed Name

Printed Title

Michael Prater, Chief Counsel
(Approved as to form)

Date

Vicki L. Wilson, Chief Fiscal Officer

Date

Attachment A

[Describe which Exhibit(s) of the IGA is (are) being amended] of the original AGREEMENT is to include the following:

The State of Illinois, acting by and through its Department of Transportation (hereinafter referred to as the "State") and the Village of Arlington Heights (hereinafter referred to as the "Village") entered into an Intergovernmental Agreement with the State for traffic signal maintenance and electrical energy responsibilities dated 12/17/2021.

Due to Highway Permit #: 1-05-0586 executed on August 10, 2005, for the new traffic signal installation, IL 62 at Surrey Ridge Shopping-TS2707 (Lowe's Main Entrance Access), the traffic signal maintenance and electrical energy responsibilities in the Village's current Exhibit A requires revisions to match and comply with Permit #: 1-05-0586 as followed:

FROM:
Maintenance: 0%-State, 0%-Village, 100% Lowes
Electrical Energy: 0%-State, 0%-Village, 100% Lowes

TO:
Maintenance: 0%-State, 100%-Village, 0% Lowes
Electrical Energy: 0%-State, 100%-Village, 0% Lowes

All terms and conditions stated in this Amendment shall be made a part of the Original Intergovernmental Agreement executed between the Village of Arlington Heights and the State for the term of which began on July 1, 2021, and that all other terms and conditions not in conflict with this Amendment as enumerated in that Original Master Intergovernmental Agreement remain applicable.

A provision for the mentioned traffic signal location, IL 62 at Surrey Ridge Shopping (Lowe's Main Entrance Access) has been updated in the Village's Exhibit A and is indicated in Attachment B, "Revised Exhibit A" dated 5/24/2024.

REVISED EXHIBIT A

Following is the list of signalized intersections and locations with traffic control devices along State highways located within or near the Village of Arlington Heights in Cook County that are subject to the provisions of the attached Master Agreement to which this list is an exhibit.

As of 7/24/24

		% OF MAINTENANCE RESPONSIBILITY			% OF ENERGY CHARGES RESPONSIBILITY			AGENCY PERFORMING MAINT.
LOCATION	TS#	STATE	LOCAL	OTHER	STATE	LOCAL	OTHER	
Arlington Heights Rd at I-90 (N) Ramp A	TS2938	100				100		STATE
Arlington Heights Rd at I-90 (S) Ramp G	TS2939	100			100			STATE
Arlington Heights Rd at Euclid Av	TS12565	50	50		50	50		STATE
Arlington Heights Rd at N Point S C	TS12600		100			100		STATE
Arlington Heights Rd at Palatine Rd	TS12590	100			100			STATE
Arlington Heights Rd at Lillian Av	TS12585		100			100		STATE
Arlington Heights Rd at Miner St	TS12560	50	50		50	50		STATE
Arlington Heights Rd at Sigwalt St	TS12550	50	50		50	50		STATE
Arlington Heights Rd at Central Rd	TS12540	100			100			STATE
Arlington Heights Rd at White Oak	TS12535		100			100		STATE
Central Rd at Kirchoff Rd	TS12615	100			100			STATE
Central Rd at Arthur Av	TS12620	50	50		50	50		STATE
Kirchoff Rd at S New Wilke Rd	TS5395	16.67	66.66	16.67 Rolling Meadows	16.67	66.66	16.67 Rolling Meadows	STATE
Palatine Rd at Kennicott Av	TS5605	*100				100		STATE
Palatine Rd at Windsor Dr	TS5630	100				100		STATE
Palatine Rd at Schoenbeck Rd	TS5620	100			100			STATE
US 12 (Rand Rd) at IL 53 (W Ramp)	TS11290	100			100			STATE
US 12 (Rand Rd) at IL 53 (E Ramp)	TS11295	100			100			STATE
US 12 (Rand Rd) at Arlington Annex SC	TS12700		100			100		STATE
US 12 (Rand Rd) at Arlington Heights Rd	TS12595	100			100			STATE
US 12 (Rand Rd) at Arlington Plaza	TS12640		100			100		STATE
US 12 (Rand Rd) at Beverly Dr	TS421		100			100		STATE
US 12 (Rand Rd) at Camp McDonald	TS390	100			100			STATE
US 12 (Rand Rd) at Dryden Av	TS415	50	50		50	50		STATE
US 12 (Rand Rd) at Euclid Av	TS395	100			100			STATE

*ADT = (Avg. Daily Traffic >35,000+

Village of Arlington Heights (Revised)

As of 7/24/24

LOCATION	TS#	% OF MAINTENANCE RESPONSIBILITY			% OF ENERGY CHARGES RESPONSIBILITY			AGENCY PERFORMING MAINT.
		STATE	LOCAL	OTHER	STATE	LOCAL	OTHER	
US 12 (Rand Rd) at Hintz/Greenwood Av	TS400	100				100		STATE
US 12 (Rand Rd) at Kennicott Av	TS405	66 2/3	33 1/3		66 2/3	33 1/3		STATE
US 12 (Rand Rd) at Northpoint Ctr	TS12635		100			100		STATE
US 12 (Rand Rd) at Southpnt Town & Cntry Ctr	TS12625		100			100		STATE
US 12 (Rand Rd) at Palatine Rd	TS212630	100			100			STATE
US 12 (Rand Rd) at Thomas St	TS420	100			100			STATE
US 14 at Arlington Heights Rd	TS12555	100			100			STATE
US 14 at Dunton Av	TS12680	50	50		50	50		STATE
US 14 at Euclid Av	TS12660	100			100			STATE
US 14 at Evergreen Av	TS12675	50	50		50	50		STATE
US 14 at Kensington (Foundry)	TS12670	66 2/3	33 1/3		66 2/3	33 1/3		STATE
US 14 at McKinley Av	TS12665	33.33	66 67		33.33	66.67		STATE
US 14 at Walnut/Ridge St	TS12690	50	50		50	50		STATE
US 14 at Wilke Rd	TS1310	100				100		STATE
US 14 at Vail Av	TS12685	50	50		50	50		STATE
IL 53/IL 68 at IL 53 (E&W ramp)	TS12155	100			100			STATE
IL 58 at IL 62	TS2705	100			100			STATE
IL 58 at Arlington Heights Rd	TS2720	100			100			STATE
IL 58 at Goebbert Rd	TS2765	100				100		STATE
IL 58 at Loeh International Plaza	TS2767			100 Chase Bank			100 Chase Bank	STATE
IL 62 at Reserve/Marriot 95 W Algonquin	TS2936		100			100		STATE
IL 62 at Arlington Heights Rd	TS2935	100			100			STATE
IL 62 at Goebbert Rd	TS2965	100				100		STATE
IL 62 at Surrey Ridge Shopping (Lowes)	TS2707		100			100		STATE
IL 62 at New Wilke Rd	TS2985	100				50	50 Rolling Meadows	STATE
IL 62 at Tonne Rd	TS2966		100			100		STATE

*ADT = (Avg. Daily Traffic) >35,000+

Village of Arlington Heights (Revised)

As of 7/24/24

LOCATION	TS#	% OF MAINTENANCE RESPONSIBILITY			% OF ENERGY CHARGES RESPONSIBILITY			AGENCY PERFORMING MAINT.
		STATE	LOCAL	OTHER	STATE	LOCAL	OTHER	
IL 68 at IL 53 E Frontage Rd (Wilke Rd)	TS12160	100				100		STATE
IL 68 at Arlington Heights Rd	TS3100	100				25	75 Buffalo Grove	STATE
IL 68 at Kennicott Av	TS3130	50	50		50	50		STATE
IL 68 at Ridge Av	TS3150	50	50			100		STATE
US 14 at Dryden Pl	TS12667	50	50		50	50		LOCAL
Arlington Heights Rd at Thomas (Willow)	TS12580	75	25		75	25		LOCAL
Arlington Heights Rd at Olive St	TSC0704	50	50		50	50		LOCAL
Arlington Heights Rd at Oakton St	TS12570	50	50		50	50		LOCAL
Arlington Heights Rd at St James	TS12567	66 2/3	33 1/3		66 2/3	33 1/3		LOCAL
Arlington Heights Rd at Park St	TS12545	50	50		50	50		LOCAL

*ADT = (Avg. Daily Traffic) >35,000+

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Approving a Joint Funding Agreement for Phase II Engineering of Windsor Drive Road Diet Project with the Illinois Department of Transportation

Department: Public Works & Engineering

Item Description:

The Windsor Drive Road Diet project consists of resurfacing Windsor Drive from Dryden Avenue/Jane Avenue to Hintz Road and reallocating pavement on Windsor Drive between Palatine Road and Crabtree Drive. Windsor Drive will be reconfigured to provide buffered bike lanes, a single travel lane in each direction, and landscaped medians/left-turn lanes. Pedestrian improvements within the road diet portion of the project include wider sidewalks, a mid-block crossing with median refuge island, and a rapid rectangular flashing beacon.

The project has ITEP State funding programed for Phase II Engineering Services through the Northwest Council of Mayors cost participation of 90% but not to exceed $266,400.00. The total estimated cost for Phase II Engineering Services is $336,680.00. The ITEP State cost participation will be reimbursed to the Village after Phase II is complete.

The attached Resolution would authorize the approval of the appropriation of funds for the Phase II Engineering Services in the estimated amount of $336,680.00

Funding is included in the current budget. Breakdown as follows:

2025 budget Acct #401-7101-550300 (ST2308): $258,000
2025 budget Acct #410-7101-550300 (ST9008): $ 78,680

RECOMMENDATION

It is recommended that the Village Board approve the attached Resolution approving a Joint Funding Agreement with the Illinois Department of Transportation for the Windsor Drive Road Diet project.

ATTACHMENTS:

1. 2025_04_07_Windor_Drive_Joint Funding_Resolution_and_attachment

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION APPROVING A JOINT FUNDING AGREEMENT
FOR PHASE II ENGINEERING OF WINDSOR DRIVE ROAD DIET
WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION

WHEREAS, the Village of Arlington Heights is proposing a project to resurface Windsor Drive from Dryden Avenue/Jane Avenue to Hintz Road and reallocate pavement space on Windsor Drive between Palatine Road and Crabtree Drive. Windsor Drive will be reconfigured to provide buffered bike lanes, a single travel lane in each direction, and landscaped medians/left-turn lanes. Pedestrian improvements within the road diet portion of the project include wider sidewalks, a mid-block crossing with median refuge island, and a rapid rectangular flashing beacon.

WHEREAS, the above stated improvement will necessitate the use of funding provided through the Illinois Department of Transportation (IDOT); and signee; and

WHEREAS, the use of these funds requires a joint funding agreement (AGREEMENT) with IDOT; and

WHEREAS, the improvement requires funds but a portion of it will be reimbursed after Phase II is complete; and

NOW, THEREFORE, be it resolved by the President and Board of Trustees of the Village of Arlington Heights, Cook County, Illinois, as follows:

SECTION ONE: That the President and Board of Trustees hereby authorize the appropriation of funds for the Phase II Engineering Services in the amount of $336,680.00 or as much as may be needed to complete the proposed improvements and furthermore agree to pass a supplemental resolution if necessary to appropriate additional funds for completion of the project. The project has ITEP State funding programed for Phase II Engineering Services through the Northwest Council of Mayors including cost participation of 90% but not to exceed $266,400.00. The ITEP State cost participation will be reimbursed to the Village after Phase II is complete.

SECTION TWO: That the Village President and Village Clerk are hereby authorized and directed to execute an AGREEMENT with IDOT for the above-mentioned project.

SECTION THREE: This resolution will become Attachment 2 of the AGREEMENT.

SECTION FOUR: That the Village Clerk of the Village of Arlington Heights shall transmit three certified copies of the AGREEMENT and Resolution to IDOT District 1 Bureau of Local Roads and Streets.

AYES:

NAYS:

PASSED AND APPROVED THIS ___ day of _____, 20__.

Village President

ATTEST:

Village Clerk

Illinois Department of Transportation

Joint Funding Agreement for Federally Funded PE/ROW

LOCAL PUBLIC AGENCY

Local Public Agency	County	Section Number
Village of Arlington Heights	Cook	22-00218-00-CH

Fund Type	ITEP, SRTS, HSIP Number(s)	MPO Name	MPO TIP Number
ITEP State	151075	CMAP	03-22-0034

Engineering		Right-of-Way	
State Job Number	Project Number	State Job Number	Project Number
D-91-083-24	CZJU036		

☒ Local Administered Engineering ☐ Right-of-Way ☐ Other

LOCATION

Local Street/Road Name	Key Route	Length	Stationing To	Stationing From
Windsor Drive	3656	1.23	0.22	1.25

Location Termini: Dryden Avenue/Jane Avenue to Hintz Road

Current Jurisdiction	Existing Structure Number(s)	
Local		Remove

PROJECT DESCRIPTION

The Windsor Drive Road Diet and Resurfacing will resurface Windsor Drive from Dryden Avenue/Jane Avenue to Hintz Road and reallocate pavement space on Windsor Drive between Palatine Road and Crabtree Drive. Windsor Drive will be reconfigured to provide buffered bike lanes, a single travel lane in each direction, and landscaped medians/left-turn lanes. Pedestrian improvements within the road diet portion of the project include wider sidewalks, a mid-block crossing with median refuge island, and a rapid rectangular flashing beacon.

Local Public Agency	Section Number	State Job Number	Project Number
Village of Arlington Heights	22-00218-00-CH		

This Agreement is made and entered into between the above local public agency, hereinafter referred to as the "**LPA**" and the State of Illinois, acting by and through its Department of Transportation, hereinafter referred to as the "**STATE**". The **STATE** and **LPA** jointly proposes to improve the designated location as described in the Location and Project Description sections of this agreement. The improvement shall be developed by, or on behalf of the **LPA** and approved by the **STATE** using the **STATE's** policies and procedures approved and/or required by the Federal Highway Administration, hereby referred to as "**FHWA**".

I. GENERAL

1.1 Availability of Appropriation; Sufficiency of Funds. This Agreement is contingent upon and subject to the availability of sufficient funds. The **STATE** may terminate or suspend this Agreement, in whole or in part, without penalty or further payment being required, if (i) sufficient funds for this Agreement have not been appropriated or otherwise made available to the **LPA** by the **STATE** or the federal funding source, (ii) the Governor or **STATE** reserves funds, or (iii) the Governor or **STATE** determines that funds will not or may not be available for payment. The **STATE** shall provide notice, in writing, to **LPA** of any such funding failure and its election to terminate or suspend this Agreement as soon as practicable. Any suspension or termination pursuant to this Section will be effective upon the date of the written notice unless otherwise indicated.

1.2 Domestic Steel Requirement. The project plans and specifications will specify domestic steel as required by Section 106.01 of the current edition of the Standard Specifications for Road and Bridge Construction and comply with federal Build America-Buy America provisions.

1.3 Federal Authorization. That this Agreement and the covenants contained herein shall become null and void in the event that the **FHWA** does not approve the proposed improvement for Federal-aid participation within one (1) year of the date of execution of this agreement.

1.4 Severability. If any provision of this Agreement is declared invalid, its other provisions shall not be affected thereby.

1.5 Termination. This Agreement may be terminated, in whole or in part, by either Party for any or no reason upon thirty (30) calendar days' prior written notice to the other Party. If terminated by the **STATE**, the **STATE** must include the reasons for such termination, the effective date, and, in the case of a partial termination, the portion to be terminated. If the **STATE** determines in the case of a partial termination that the reduced or modified portion of the funding award will not accomplish the purposes for which the funding award was made, the **STATE** may terminate the Agreement in its entirety.

This Agreement may be terminated, in whole or in part, by the **STATE** without advance notice:

a. Pursuant to a funding failure as provided under Article 1.1.

b. If **LPA** fails to comply with the terms and conditions of this funding award, application or proposal, including any applicable rules or regulations, or has made a false representation in connection with the receipt of this or any award.

II. REQUIRED CERTIFICATIONS

This Agreement and the LPA's obligations and services hereunder are hereby made and must be performed in compliance with all applicable federal and State laws, including, without limitation, federal regulations, State administrative rules, and any and all license requirements or professional certification provisions.

2.1 Compliance with Uniform Grant Rules (2 CFR Part 200). The **LPA** certifies that it shall adhere to the applicable Uniform Administrative Requirements, Cost Principles, and Audit Requirements, which are published in Title 2, Part 200 of the Code of Federal Regulations, and are incorporated herein by reference.

2.2 Compliance with Registration Requirements. **LPA** certifies that it: (i) is registered with the federal SAM system; (ii) is in good standing with the Illinois Secretary of State, if applicable; (iii) have a valid DUNS Number; (iv) have a valid UEI, if applicable. It is **LPA**'s responsibility to remain current with these registrations and requirements.

2.3 Bribery. The **LPA** certifies to the best of it's knowledge that it's officials have not been convicted of bribery or attempting to bribe an officer or employee of the state of Illinois, nor made an admission of guilt of such conduct which is a matter of record (30 ILCS 500/50-5).

2.4 Bid Rigging. **LPA** certifies that it has not been barred from contracting with a unit of state or local government as a result of a violation of Paragraph 33E-3 or 33E-4 of the Criminal Code of 1961 (720 ILCS 5/33E-3 or 720 ILCS 5/33E-4, respectively).

2.5 Debt to State. **LPA** certifies that neither it, nor its affiliate(s), is/are barred from receiving an Award because the **LPA**, or its affiliate(s), is/are delinquent in the payment of any debt to the **STATE**, unless the **LPA**, or its affiliate(s), has/have entered into a deferred payment plan to pay off the debt, and **STATE** acknowledges the **LPA** may declare the Agreement void if the certification is false (30 ILCS 500/50-11).

2.6 Debarment. The **LPA** certifies to the best of its knowledge and belief that it's officials:

a. are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency;

b. have not within a three-year period preceding this agreement been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State anti-trust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements receiving stolen property;

c. are not presently indicated for or otherwise criminally or civilly charged by a governmental entity (Federal, State, Local) with commission of any of the offenses enumerated in item (b) of this certification; and

d. have not within a three-year period preceding the agreement had one or more public transactions (Federal, State, Local) terminated for cause or default.

2.7 Criminal Convictions. The **LPA** certifies that neither it nor any managerial agent of **LPA** has been convicted of a felony under the Sarbanes-Oxley Act of 2002, nor a Class 3 or Class 2 felony under Illinois Securities Law of 1953, or that at least five (5) years have passed since the date of the conviction. The **LPA** further certifies that it is not barred from receiving an funding award under 30 ILCS 500/50-10.5 and acknowledges that **STATE** shall declare the Agreement void if this certification is false (30 ILCS 500/50-10.5).

2.8 Improper Influence. The **LPA** certifies that no funds have been paid or will be paid by or on behalf of the **LPA** to any person for influencing or attempting to influence an officer or employee of any government agency, a member of Congress or Illinois General Assembly, an officer or employee of Congress or Illinois General Assembly, or an employee of a member of Congress or Illinois General Assembly in connection with the awarding of any agreement, the making of any grant, the making of any loan, the entering into of any cooperative agreement, or the extension, continuation, renewal, amendment or modification of any agreement, grant, loan or cooperative agreement. 31 USC 1352. Additionally, the **LPA** certifies that it has filed the required certification under the Byrd Anti-Lobbying Amendment (31 USC 1352), if applicable.

2.9 Telecom Prohibition. The **LPA** certifies that it will comply with Section 889 of the FY 2019 National Defense Authorization Act (NDAA) that prohibits the use of telecommunications or video surveillance equipment or services produced provided by the following companies: Dahua Technology Company, Hangzhou Hikvision Digital Technology Company, Huawei Technologies Company, Hytera Communications Corporation, and ZTE Corporation. Covered equipment and services cannot be used as substantial or essential component or any system, or as critical technology as part of any system.

2.10 Personal Conflict of Interest - The **LPA** certifies that it shall maintain a written code or standard of conduct which shall govern the performance of its employees, officers, board members, or agents engaged in the award and administration of contracts supported by state or federal funds. Such code shall provide that no employee, officer, board member or agent of the **LPA** may participate in the selection, award, or administration of a contract supported by state or federal funds if a conflict of interest, real or apparent would be involved. Such a conflict would arise when any of the parties set forth below has a financial or other interest in the firm selected for award:

a. the employee, officer, board member, or agent;
b. any member of his or her immediate family;
c. his or her partner; or
d. an organization which employs, or is about to employ, any of the above.

The conflict of interest restriction for former employees, officers, board members and agents shall apply for one year.

The code shall also provide that **LPA**'s employees, officers, board members, or agents shall neither solicit nor accept gratuities, favors or anything of monetary value from contractors, potential contractors, or parties to subcontracts. The **STATE** may waive the prohibition contained in this subsection, provided that any such present employee, officer, board member, or agent shall not participate in any action by the **LPA** relating to such contract, subcontract, or arrangement. The code shall also prohibit the officers, employees, board members, or agents of the **LPA** from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest or personal gain.

2.11 Organizational Conflict of Interest - (50 ILCS 105/3, 65 ILCS 5/3.1-55-10, 65 ILCS 5/4-8-6) The **LPA** certifies that it will also prevent any real or apparent organizational conflict of interest. An organizational conflict of interest exists when the nature of the work to be performed under a proposed third party contract or subcontract may, without some restriction on future activities, result in an unfair competitive advantage to the third party contractor or **LPA** or impair the objectivity in performing the contract work.

2.12 Accounting System. The **LPA** certifies that it has an accounting system that provides accurate, current, and complete disclosure of all financial transactions related to each state and federally-funded program. Accounting records must contain information pertaining to state and federal pass-through awards, authorizations, obligations, unobligated balances, assets, outlays, and income. To comply with 2 CFR 200.305(b)(7)(i), the **LPA** shall use reasonable efforts to ensure that funding streams are delineated within **LPA**'s accounting system. See 2 CFR 200.302.

III. AUDIT AND RECORD RETENTION

3.1 Single Audits: The **LPA** shall be subject to the audit requirements contained in the Single Audit Act Amendments of 1996 (31

USC 7501-7507) and Subpart F of 2 CFR Part 200.

If, during its fiscal year, **LPA** expends $750,000 or more in Federal Awards (direct federal and federal pass-through awards combined), **LPA** must have a single audit or program-specific audit conducted for that year as required by 2 CFR 200.501 and other applicable sections of Subpart F of 2 CFR Part 200. A copy of the audit report must be submitted to the **STATE** (IDOT's Financial Review & Investigations Section, Room 126, 2300 South Dirksen Parkway, Springfield, Illinois, 62764) within 30 days after the completion of the audit, but no later than one year after the end of the **LPA**'s fiscal year.

Assistance Listing number (formally known as the Catalog of Federal Domestic Assistance (CFDA) number) for all highway planning and construction activities is **20.205**.

3.2 STATE Audits: The **STATE** may, at its sole discretion and at its own expense, perform a final audit of the Project (30 ILCS 5, the Illinois State Auding Act). Such audit may be used for settlement of the Project expenses and for Project closeout purposes. The **LPA** agrees to implement any audit findings contained in the **STATE**'s authorized inspection or review, final audit, the **STATE**'s independent audit, or as a result of any duly authorized inspection or review.

3.3 Record Retention. The **LPA** shall maintain for three (3) years from the date of final project closeout by the **STATE**, adequate books, records, and supporting documents to verify the amounts, recipient, and uses of all disbursements of funds passing in conjunction with this contract. adequate to comply with 2 CFR 200.334. If any litigation, claim or audit is started before the expiration of the retention period, the records must be retained until all litigation, claims or audit exceptions involving the records have been resolved and final action taken.

3.4 Accessibility of Records. The **LPA** shall permit, and shall require its contractors and auditors to permit, the **STATE**, and any authorized agent of the **STATE**, to inspect all work, materials, payrolls, audit working papers, and other data and records pertaining to the Project; and to audit the books, records, and accounts of the **LPA** with regard to the Project. The **LPA** in compliance with 2 CFR 200.337 shall make books, records, related papers, supporting documentation and personnel relevant to this Agreement available to authorized **STATE** representatives, the Illinois Auditor General, Illinois Attorney General, any Executive Inspector General, the **STATE**'s Inspector General, federal authorities, any person identified in 2 CFR 200.337, and any other person as may be authorized by the **STATE** (including auditors), by the state of Illinois or by federal statute. The **LPA** shall cooperate fully in any such audit or inquiry.

3.5 Failure to maintain the books and records. Failure to maintain the books, records and supporting documents required by this section shall establish presumption in favor of the **STATE** for recovery of any funds paid by the **STATE** under the terms of this contract.

IV. LPA FISCAL RESPONSIBILITIES

4.1 To provide all initial funding and payment for engineering or right of way work.

4.2 LPA Appropriation Requirement. By execution of this Agreement the **LPA** attests that sufficient moneys have been appropriated or reserved by resolution or ordinance to fund the **LPA** share of project costs. A copy of the authorizing resolution or ordinance is attached as Schedule 3.

4.3 Reimbursement Requests: For reimbursement requests the **LPA** will submit supporting documentation with each invoice. Supporting documentation is defined as verification of payment, certified time sheets or summaries, vendor invoices, vendor receipts, cost plus fix fee invoice, progress report, personnel and direct cost summaries, and other documentation supporting the requested reimbursement amount (Form BLR 05621 should be used for consultant invoicing purposes). **LPA** invoice requests to the **STATE** will be submitted with sequential invoice numbers by project.

4.4 Financial Integrity Review and Evaluation (FIRE) program: **LPA's** and the **STATE** must justify continued federal funding on inactive projects. 23 CFR 630.106(a)(5) defines an inactive project as a project which no expenditures have been charged against Federal funds for the past twelve (12) months. To keep projects active, invoicing must occur a minimum of one time within any given twelve (12) month period. However, to ensure adequate processing time, the first invoice shall be submitted to the **STATE** within six (6) months of the federal authorization date. Subsequent invoices will be submitted in intervals not to exceed six (6) months.

4.5 Final Invoice: The **LPA** will submit to the **STATE** a complete and detailed final invoice with applicable supporting documentation of all incurred costs, less previous payments, no later than twelve (12) months from the date of completion of work or from the date of the previous invoice, whichever occurs first. If a final invoice is not received within this time frame, the most recent invoice may be considered the final invoice and the obligation of the funds closed. Form BLR 05613 (Engineering Payment Record) is required to be submitted with the final invoice for engineering projects.

4.6 Project Closeout: The **LPA** shall provide the final report to the appropriate **STATE** district office within twelve (12) months of the physical completion date of the project so that the report may be audited and approved for payment. If the deadline cannot be met, a written explanation must be provided to the district prior to the end of the twelve (12) months documenting the reason and the new anticipated date of completion. If the extended deadline is not met, this process must be repeated until the project is closed. Failure to follow this process may result In the immediate close-out of the project and loss of further funding.

4.7 Project End Date: The period of performance (end date) for state and federal obligation purposes is five (5) years for projects

under $1,000,000 or seven (7) years for projects over $1,000,000 from the execution date of the agreement. Requests for time extensions and joint agreement amendments must be received and approved prior to expiration of the project end date. Failure to extend the end date may result in the immediate close-out of the project and loss of further funding.

V. THE LPA AGREES

5.1 To acquire in its name, or in the name of the **STATE** if on the **STATE** highway system, all right-of-way necessary for this project in accordance with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, and established State policies and procedures. Prior to advertising for bids, the **LPA** shall certify to the **STATE** that all requirements of Titles II and III of said Uniform Act have been satisfied. The disposition of encroachments, if any, will be cooperatively determined by representatives of the **LPA**, the **STATE**, and the **FHWA** if required.

5.2 To provide for all utility adjustments and to regulate the use of the right-of-way of this improvement by utilities, public and private, in accordance with the current Utility Accommodation Policy for Local Public Agency Highway and Street Systems.

5.3 To retain jurisdiction of the completed improvement.

5.4 To maintain or cause to be maintained the completed improvement or that portion within its jurisdiction, in a manner satisfactory to the **STATE** and the **FHWA.**

5.5 To provide if required, for the improvement of any railroad-highway grade crossing and rail crossing protection within the limits of the proposed improvement.

5.6 To regulate parking and traffic in accordance with the approved project report.

5.7 To regulate encroachments on public rights-of-way in accordance with current Illinois Compiled Statutes.

5.8 To regulate the discharge of sanitary sewage into any storm water drainage system constructed with this improvement in accordance with the current Illinois Compiled Statutes.

5.9 For contracts awarded by the **LPA**, the **LPA** shall not discriminate on the basis of race, color, national origin or sex in the award and performance of any USDOT - assisted contract or in the administration of its DBE program or the requirements of 49 CFR part 26. The **LPA** shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of USDOT - assisted contracts. The **LPA**'s DBE program, as required by 49 CFR part 26 and as approved by USDOT, is incorporated by reference in this agreement. Upon notification to the recipient of its failure to carry out its approved program, the **STATE** may impose sanctions as provided for under Part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S. C 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31 U.S.C 3801 et seq.). In the absence of a USDOT - approved **LPA** DBE Program or on **STATE** awarded contracts, this agreement shall be administered under the provisions of the **STATE**'S USDOT approved Disadvantaged Business Enterprise Program.

VI. THE STATE AGREES

6.1 To provide such guidance, assistance, and supervision to monitor and perform audits to the extent necessary to assure validity of the **LPA**'s certification of compliance with Title II and III Requirements.

6.2 To reimburse the **LPA** for federal and/or state funds on the basis of periodic billings, provided said billings contain sufficient cost information and show evidence of expenditures by the **LPA**.

SCHEDULES

Additional information and/or stipulations are hereby attached and identified below as being a part of this agreement.

☒	1.	Division of Cost
☒	2.	Location Map
☒	3.	Risk Assessment
☒	4.	Attestations
☒	5.	Resolution*
☐		
☐		
☐		
☐		

*Appropriation and signature authority resolution must be in effect on, or prior to, the execution date of the agreement.

Local Public Agency	Section Number	State Job Number	Project Number
Village of Arlington Heights	22-00218-00-CH		

AGREEMENT SIGNATURES EXECUTION

The **LPA** agrees to accept and comply with the applicable provision set forth in this agreement including attached schedules.

APPROVED

Local Public Agency

Name of Official (Print or Type Name)

Thomas W. Hayes

Title of Official

Village President of the Board of Trustees

Signature | Date

The above signature certifies the agency's TIN number is

36-600577 conducting business as a Governmental Entity.

DUNS Number 072318629

UEI SA2FJCC7CXS2

APPROVED

State of Illinois
Department of Transportation

Omer Osman, P.E., Secretary of Transportation | Date

By:

George A. Tapas, P.E., S.E., Engineer of Local Roads & Streets | Date

Stephen M. Travia, P.E., Director of Highways PI/Chief Engineer | Date

Michael Prater, Chief Counsel | Date

Vicki Wilson, Chief Fiscal Officer | Date

NOTE: If the LPA Signature is by an APPOINTED official, a resolution authorizing said appointed official to execute this agreement is required.

SCHEDULE NUMBER 1

Local Public Agency	County	Section Number	State Job Number	Project Number
Village of Arlington Heights	Cook	22-00218-00-CH	D-91-083-24	CZJU036

DIVISION OF COST

	Federal Funds			State Funds			Local Public Agency			
Type of Work	Fund Type	Amount	%	Fund Type	Amount	%	Fund Type	Amount	%	Totals
Preliminary Engineering	ITEP			State Funds	$266,400.00	90%	Local	$70,280.00	BAL	$336,680.00
Total				Total	$266,400.00		Total	$70,280.00		$336,680.00

If funding is not a percentage of the total place an asterisk (*) in the space provided for the percentage and explain below:

ITEP is 80% State (Former Federal)/20% Local with State funding 50% of the Local Share (10%).

NOTE: The costs shown in the Division of Cost table are approximate and subject to change. The final **LPA** share is dependent on the final Federal and State participation. The actual costs will be used in the final division of cost for billing and reimbursement.

Village of Arlington Heights

Windsor Drive Road Diet
Jane Avenue/Dryden Avenue to Hintz Road

Location Map

CIVILTECH

Not to Scale

Schedule 2

SCHEDULE NUMBER 3

Local Public Agency	Section Number	County	State Job Number	Project Number
Village of Arlington Heights	22-00218-00-CH	Cook	D-91-083-24	CZJU036

LRS Federal Funds RISK ASSESSMENT

Risk Factor	Description	Definition of Scale (time frames are based on LPA fiscal year)	Points
General History of Performance	Have there been any changes in key organizational staff or leadership, such as Fiscal and Administrative Management, Transportation Related Program/Project Management, and/ or Elected Officials?	**0 points** - no significant changes in the last 4 or more years; **1 point** - minor changes, but majority of key staff and officials have not changed in the last 4 years; **2 points** - significant key staff or elected leadership changes within the last 3 years; **3 points** - significant key staff and elected leadership changes within the last 3 years	0
	What is the LPA's history with federal-aid funded transportation projects?	**0 points** - One or more federal-aid funded transportation projects initiated per year; **1 point** - At least one project initiated within the past three years; **2 points** - AT least one project initiatedwithin the past 5 years; **3 points** - None or more than 5 years	0
	Does LPA have qualified technical staff with experience managing federal-aid funded transportations through IDOT?	**0 points** - Full-time employee with experience designated as being in "responsible charge"; **1 point** - LPA has qualified technical staff, but will be utilizing an engineering consultant to manage day-to-day with LPA technical staff oversight; **2 points** - LPA has no technical staff and all technical work will be completed by consultant, but LPA staff has prior experience with federal-aid projects; **3 points** - LPA staff have no prior experience or technical expertise and relying solely on consultant	0
	Has the LPA been untimely in submitting invoicing, reporting on federal-aid projects as required in 2 CFR 200, and or audits as required?	**0 points** - No; **1 point** - Delays of 6 or more months; **2 points** - Delays of up to 1 year; **3 points** - 1 year or more years of delay	0
Financial Controls	Are the annual financial statements prepared in accordance with Generally Accepted Accounting Principles or on a basis acceptable by the regulatory agency?	**0 points** - yes; **3 points** - no	0
	What is the LPA's accounting system?	**0 points** - Automated accounting software; **1 point** - Spreadsheets; **2 points** - paper only; **3 points** - none	0
	Does the organization have written policies and procedures regarding proper segregation of duties for fiscal activities that include but are not limited to: a) authorization of transactions; b) recordkeeping for receipts and payments; and c) cash management?	**0 points** - yes; **3 points** - no	0
Audits	When was the last time a financial statement audit was conducted?	**0 points** - in the past year; **1 point** - in the past two years; **2 points** - in the past three years; **3 points** - 4 years or more, or never	0
	What type of financial statement audit has the organization had conducted?	**0 points** - Single Audit/Program Specific Audit in accordance with 2 CFR 200.501 or Financial audit conducted in accordance with Generally Accepted Auditing Standards or Generally Accepted Government Auditing Standards; **1 point** - Financial review?; **2 points** Other type? or no audit required; **3 points** - none	0
	Did the most recent audit disclose findings considered to be significant deficiencies or material weaknesses?	**0 points** - no; **3 points** - yes, or no audits required	0
	Have the findings been resolved?	**0 points** - yes or no findings; **1 point** - in progress; **3 points** - no	0

Summary of Risk	
General History of Performance	0
Financial Controls	0
Audits	0
Total	0

District Review Signature & Date

Central Office Review Signature & Date

Additional Requirements? ☐ Yes ☐ No

Local Public Agency	Section Number	State Job Number	Project Number
Village of Arlington Heights	22-00218-00-CH		

SCHEDULE NUMBER 4
Attestation on Single Audit Compliance

1. In the prior fiscal year, did Village of Arlington Heights (LPA) expend more than $750,000 in federal funds in aggregate from all federal sources?

   ☒ Yes ☐ No

2. Does the Village of Arlington Heights (LPA) anticipate expending more than $750,000 in federal funds in aggregate from all federal sources in the current Village of Arlington Heights (LPA) fiscal year?

   ☒ Yes ☐ No

If answers to question 1 and 2 are no, please proceed to the signature section.
If answer to question 1 is yes, please answer question 3a.
If answer to question 2 is yes, please answer question 3b.

3. A single audit must be conducted in accordance with Subpart F of 2 CFR 200 if $750,000 or more in federal funds are expended in a single fiscal year.

   a. Has the Village of Arlington Heights (LPA) performed a single audit for their previous fiscal year?

   ☒ Yes ☐ No

   i. If yes, has the audit be filed with the Illinois Office of the Comptroller in accordance with 50 ILCS 310 (*see also 55 ILCS 5 & 65 ILCS 5 & 60 ILCS 1/80)*?

   ☒ Yes ☐ No

   b. For the current fiscal year, does the Village of Arlington Heights (LPA) intend to comply with Subpart F of 2 CFR 200?

   ☒ Yes ☐ No

By completing this attestation, I certify that I have authority to sign this attestation on behalf of the LPA; and that the foregoing information is correct and complete to the best of my knowledge and belief.

Name	Title	LPA
Mary Juarez	Assistant Finance Director	Village of Arlington Heights

Signature & Date

Mary Juarez Digitally signed by Mary Juarez Date: 2024.12.11 16:27:46 -06'00'

Local Public Agency	Section Number	State Job Number	Project Number
Village of Arlington Heights	22-00218-00-CH		

SCHEDULE NUMBER 5

Resolution No. _____

A Resolution for:

Section Number 22-00218-00-CH

State Job Number D-91-083-24

Project Number CZJU036

WHEREAS, the [ ] of _____ is proposing to

_____

WHEREAS, the above stated improvement will necessitate the use of funding provided through the Illinois Department of Transportation (IDOT); and signee

WHEREAS, the use of these funds requires a joint funding agreement (AGREEMENT) with IDOT; and

WHEREAS, the improvement requires matching funds; and

NOW, THEREFORE, be it resolved by the _____

Section 1: The _____ hereby appropriates _____ or as much as may be needed to match the required funding to complete the proposed improvement from

_____ (Local Fund Source) and furthermore agree to pass a supplemental resolution if necessary to appropriate additional funds for completion of the project.

Section 2: The _____ is hereby authorized to execute an AGREEMENT with IDOT for the above-mentioned project.

Section 3: This resolution will become Attachment 3 of the AGREEMENT.

Section 4: The _____ Clerk of _____ is directed to transmit 3 (three) copies of the AGREEMENT and Resolution to IDOT District _____ Bureau of Local Roads and Streets.

I, _____ (Name of Clerk) _____ (Local Public Agency Type) Clerk in and for said _____ (Local Public Agency Type) of _____ (Name of Local Public Agency) in the State aforesaid, and keeper of the records and files thereof, as provided by statute, do hereby certify the foregoing to be a true, perfect and complete original of a resolution adopted by _____ (Governing Body Type) of _____ (Name of Local Public Agency) at a meeting held on [ ] (Date).

INTESTIMONY WEREOF; I have hereunto set my hand and seal, this _____ day of _____, 20 ____.

(SEAL)

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION APPROVING A
JOINT FUNDING AGREEMENT WITH THE
ILLINOIS DEPARTMENT OF TRANSPORTATION

WHEREAS, the Village of Arlington Heights is proposing a project to resurface Windsor Drive from Dryden Avenue/Jane Avenue to Hintz Road and reallocate pavement space on Windsor Drive between Palatine Road and Crabtree Drive. Windsor Drive will be reconfigured to provide buffered bike lanes, a single travel lane in each direction, and landscaped medians/left-turn lanes. Pedestrian improvements within the road diet portion of the project include wider sidewalks, a mid-block crossing with median refuge island, and a rapid rectangular flashing beacon.

WHEREAS, the above stated improvement will necessitate the use of funding provided through the Illinois Department of Transportation (IDOT); and signee; and

WHEREAS, the use of these funds requires a joint funding agreement (AGREEMENT) with IDOT; and

WHEREAS, the improvement requires funds but a portion of it will be reimbursed after Phase II is complete; and

NOW, THEREFORE, be it resolved by the President and Board of Trustees of the Village of Arlington Heights, Cook County, Illinois, as follows:

SECTION ONE: That the President and Board of Trustees hereby authorize the appropriation of funds for the Phase II Engineering Services in the amount of $336,680.00 or as much as may be needed to complete the proposed improvements and furthermore agree to pass a supplemental resolution if necessary to appropriate additional funds for completion of the project. The project has ITEP State funding programed for Phase II Engineering Services through the Northwest Council of Mayors including cost participation of 90% but not to exceed $266,400.00. The ITEP State cost participation will be reimbursed to the Village after Phase II is complete.

SECTION TWO: That the Village President and Village Clerk are hereby authorized and directed to execute an AGREEMENT with IDOT for the above-mentioned project.

SECTION THREE: This resolution will become Attachment 2 of the AGREEMENT.

SECTION FOUR: That the Village Clerk of the Village of Arlington Heights shall transmit three certified copies of the AGREEMENT and Resolution to IDOT District 1 Bureau of Local Roads and Streets.

AYES:

NAYS:

PASSED AND APPROVED THIS ___ day of _____, 20__.

_____
Village President

ATTEST:

_____
Village Clerk

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Awarding a Contract for Engineering Services for Phase II of Windsor Drive Road Diet

Department: Public Works & Engineering

Item Description:

As discussed at the August 12, 2024, Village Board/Committee of the Whole meeting, Phase I engineering for the Windsor Drive Road Diet project was completed, paving the way for the approval of a Phase II engineering design and bidding services contract.

The project scope involves resurfacing Windsor Drive from Dryden Avenue/Jane Avenue to approximately 650 feet south of Hintz Road. Between Palatine Road and Crabtree Drive, a road diet is proposed to modify the existing 4-lane cross section into one lane in each direction, a center landscaped median/left turn lane, and on-street buffered bike lanes. The sidewalks north of Palatine Road will be widened to 8 feet to ensure a consistent width throughout the corridor.

Additionally, improvements will be made to the pedestrian mid-block crossing at the north leg of the Windsor Drive/Crabtree Drive intersection, including the installation of a pedestrian refuge island and rapid rectangular flashing beacons.

Further enhancements will include the addition of new crosswalks, pedestrian push buttons, signal heads, green pavement markings, and other safety measures to raise bicycle awareness. The project will also modernize traffic signals and replace aging ADA ramps to meet current standards.

Based on feedback from the Phase I report and reviews, Phase II will include evaluating the potential extension of the road diet to Suffield Drive and may involve the replacement of aging water mains within the project limits.

The next steps for the project include evaluating these additional work elements, updating the Phase I report to reflect any additions, completing Phase II engineering, and obtaining IDOT approval for bidding. To facilitate this, staff conducted a Qualifications-Based Selection (QBS) process for Phase II and III Engineering services associated with the Windsor Drive Road Diet & Resurfacing Project. After reviewing six proposals and interviewing two firms, staff selected Civiltech Engineering, LLC.

Staff has been satisfied with Civiltech Engineering, LLC's performance to date. Therefore, staff is recommending approval of the Windsor Drive Road Diet & Resurfacing Project Phase II engineering services contract with Civiltech Engineering, LLC for Phase II engineering services, in the amount of $336,680.

Funding is included in the current budget. Breakdown as follows:

2025 budget Acct #401-7101-550300 (ST2308): $258,000
2025 budget Acct #410-7101-550300 (ST9008): $ 78,680

RESOLUTION UPDATE

The Phase II engineering services for the Windsor Drive Road Diet were initially approved on December 2, 2024, in anticipation of receiving Section 1440 approval from IDOT. Although Section 1440 approval has not yet been granted, the joint funding agreement has been approved. IDOT has made a few modifications to the engineering agreement, and with the approval of the joint funding agreement, updated signatures with matching dates are now required to ensure alignment with the agreement.

RECOMMENDATION

It is recommended that the Village Board approve the resolution that authorizes the attached agreement for the Phase II design engineering services required for the Windsor Drive Road Diet & Resurfacing Project – Phase II Engineering Services to Civiltech Engineering, LLC of Itasca, Illinois, in an amount not to exceed $336,680.

ATTACHMENTS:

1 2025_04_07_WIndsor_Drive_Phase_II_Engineering_Services_Resolution_
. and_Attachment_REVISED

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION APPROVING AN AGREEMENT WITH
CIVILTECH ENGINEERING, INC. OF ITASCA, ILLINOIS
FOR PHASE II DESIGN ENGINEERING AND OTHER RELATED ENGINEERING SERVICES
WITH THE WINDSOR DRIVE ROAD DIET AND RESURFACING PROJECT

WHEREAS, the Village desires to retain a qualified firm to provide Phase II Design Engineering, Plan Preparation, Bid Services and other related Engineering Services associated with the Windsor Drive Road Diet and Resurfacing Project ("*Services*"); and

WHEREAS, the Village issued a request for qualifications for qualified firms to complete the Services; and

WHEREAS, the Village has determined that the proposal submitted by Civiltech Engineering, Ltd., of Itasca, Illinois ("*Consultant*"), is the most appropriate for the provision of the Services; and

WHEREAS, the Village and Consultant desire to enter into an agreement for the provision of the Services by Consultant ("*Agreement*"); and

WHEREAS, the Village President and Board of Trustees have determined that entering into the Agreement with Consultant will serve and be in the best interest of the Village;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF AGREEMENT. The Board of Trustees hereby approves the Agreement by and between the Village and Consultant, in substantially the form attached to this Resolution as Exhibit A, and in a final form to be approved by the Village Manager and the Village Attorney.

SECTION 3. EXECUTION OF AGREEMENT. The Village Manager and the Village Clerk are hereby authorized and directed to execute and attest, on behalf of the Village, the Agreement upon receipt by the Village Clerk of at least one original copy of the Agreement executed by Consultant; provided, however, that if the executed copy of the Agreement is not received by the Village Clerk within 60 days after the effective date of this Resolution, then this authority to execute and attest will, at the option of the President and Board of Trustees, be null and void.

SECTION 4. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

[SIGNATURE PAGE FOLLOWS]

AYES:

NAYS:

PASSED AND APPROVED THIS ___ day of _____, 2025

_____
Village President

ATTEST:

_____
Village Clerk

EXHIBIT A

AGREEMENT

Illinois Department of Transportation

Local Public Agency
Engineering Services Agreement

Using Federal Funds? ☒ Yes ☐ No

Agreement For: Federal PE

Agreement Type: Original

LOCAL PUBLIC AGENCY

Local Public Agency	County	Section Number	Job Number
Arlington Heights	Cook	22-00218-00-CH	D-91-083-24

Project Number	Contact Name	Phone Number	Email
CZJU036	Tommy Sakkos, P.E.	(847) 368-5254	tsakkos@vah.com

SECTION PROVISIONS

Local Street/Road Name	Key Route	Length	Structure Number
Windsor Drive			

Location Termini: Jane Avenue to Suffield Drive

Add Location | Remove Location

Project Description:

This project consists of resurfacing Windsor Drive from Jane Avenue to Suffield Drive, omitting the Palatine Road intersection. Curb ramps will be replaced throughout the project limits. All sidewalk will be replaced from Palatine Road to Suffield Drive. Watermain will be installed from Palatine Road to Suffield Drive. Watermain will be lined on Palatine Road from Windsor Drive to Maple Lane. The traffic signal at Windsor Drive/Valley Lane will be replaced.

Engineering Funding: ☐ Federal ☐ MFT/TBP ☐ State ☒ Other — ITEP - State

Anticipated Construction Funding: ☐ Federal ☐ MFT/TBP ☐ State ☒ Other — ITEP - State

AGREEMENT FOR

☐ Phase I - Preliminary Engineering ☒ Phase II - Design Engineering

CONSULTANT

Prime Consultant (Firm) Name	Contact Name	Phone Number	Email
Civiltech Engineering, Inc.	Kristin Kalitowski	(630) 735-3369	kkalitowski@civiltechinc.com

Address	City	State	Zip Code
2 Pierce Place, Suite 1400	Itasca	IL	60143

THIS AGREEMENT IS MADE between the above Local Public Agency (LPA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Project funding allotted to the LPA by the State of Illinois under the general supervision of the State Department of Transportation, hereinafter called the "DEPARTMENT," will be used entirely or in part to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

Since the services contemplated under the AGREEMENT are professional in nature, it is understood that the ENGINEER, acting as an individual, partnership, firm or legal entity, qualifies for professional status and will be governed by professional ethics in its relationship to the LPA and the DEPARTMENT. The LPA acknowledges the professional and ethical status of the ENGINEER by entering into an AGREEMENT on the basis of its qualifications and experience and determining its compensation by mutually satisfactory negotiations.

WHEREVER IN THIS AGREEMENT or attached exhibits the following terms are used, they shall be interpreted to mean:

Regional Engineer	Deputy Director, Office of Highways Project Implementation, Regional Engineer, Department of Transportation
Resident Construction Supervisor	Authorized representative of the LPA in immediate charge of the engineering details of the construction PROJECT
In Responsible Charge	A full time LPA employee authorized to administer inherently governmental PROJECT activities

Contractor Company or Companies to which the construction contract was awarded

AGREEMENT EXHIBITS

The following EXHIBITS are attached hereto and made a part of hereof this AGREEMENT:

☒ EXHIBIT A: Scope of Services

☒ EXHIBIT B: Project Schedule

☒ EXHIBIT C: Qualification Based Selection (QBS) Checklist

☒ EXHIBIT D: Cost Estimate of Consultant Services (CESCS) Worksheet (BLR 05513 or BLR 05514)

☐ _____

☐ _____

☐ _____

I. THE ENGINEER AGREES,

1. To perform or be responsible for the performance of the Scope of Services presented in EXHIBIT A for the LPA in connection with the proposed improvements herein before described.
2. The Classifications of the employees used in the work shall be consistent with the employee classifications and estimated staff hours. If higher-salaried personnel of the firm, including the Principal Engineer, perform services that are to be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the payroll rate for the work performed.
3. That the ENGINEER shall be responsible for the accuracy of the work and shall promptly make necessary revisions or corrections required as a result of the ENGINEER'S error, omissions or negligent acts without additional compensation. Acceptance of work by the LPA or DEPARTMENT will not relieve the ENGINEER of the responsibility to make subsequent correction of any such errors or omissions or the responsibility for clarifying ambiguities.
4. That the ENGINEER will comply with applicable Federal laws and regulations, State of Illinois Statutes, and the local laws or ordinances of the LPA.
5. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LPA.
6. To invoice the LPA for Preliminary and/or Design Engineering: The ENGINEER shall submit all invoices to the LPA within three months of the completion of the work called for in the AGREEMENT or any subsequent Amendment or Supplement.
7. To submit a completed BLR 05613, Engineering Payment Report, to the DEPARTMENT within three months of the completion of the work called for in this AGREEMENT or any subsequent Amendment or Supplement. The form shall be submitted with the final invoice.
8. The ENGINEER or subconsultant shall not discriminate on the basis of race, color, national origin or sex in the performance of this AGREEMENT. The ENGINEER shall carry out applicable requirements of 49 CFR part 26 in the administration of United States Department of Transportation (US DOT) assisted contract. Failure by the Engineer to carry out these requirements is a material breach of this AGREEMENT, which may result in the termination of this AGREEMENT or such other remedy as the LPA deems appropriate.
9. That none of the services to be furnished by the ENGINEER shall be sublet assigned or transferred to any other party or parties without written consent of the LPA. The consent to sublet, assign or otherwise transfer any portion of the services to be furnished by the ENGINEER shall be construed to relieve the ENGINEER of any responsibility for the fulfillment of this AGREEMENT.
10. For Preliminary Engineering Contracts:
    (a) To attend meetings and visit the site of the proposed improvement when requested to do so by representatives of the LPA or the DEPARTMENT, as defined in Exhibit A (Scope of Services).
    (b) That all plans and other documents furnished by the ENGINEER pursuant to the AGREEMENT will be endorsed by the ENGINEER and affix the ENGINEER's professional seal when such seal is required by law. Such endorsements must be made by a person, duly licensed or registered in the appropriate category by the Department of Professional Regulation of the State of Illinois. It will be the ENGINEER's responsibility to affix the proper seal as required by the Bureau of Local Roads and Streets manual published by the DEPARTMENT.
    (c) That the ENGINEER is qualified technically and is thoroughly conversant with the design standards and policies applicable for the PROJECT; and that the ENGINEER has sufficient properly trained, organized and experienced personnel to perform the services enumerated in Exhibit A (Scope of Services).
11. That the engineering services shall include all equipment, instruments, supplies, transportation and personnel required to perform the duties of the ENGINEER in connection with this AGREEMENT (See DIRECT COST tab in BLR 05513 or BLR 05514).

II. THE LPA AGREES,

1. To certify by execution of this AGREEMENT that the selection of the ENGINEER was performed in accordance with the following:
   (a) Professional Services Selection Act (50 ILCS 510), The Brooks Act (40 USC 11), and the Procurement, Management, and Administration of Engineering, and Design Related Services (23 CFR part 172). Exhibit C is required to be completed with this AGREEMENT.
2. To furnish the ENGINEER all presently available survey data, plans, specifications, and project information.
3. To pay the ENGINEER:
   (a) For progressive payments - Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LPA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to the value of the partially completed work minus all previous partial payments made to the ENGINEER.
   (b) Final payment - Upon approval of the work by the LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA and DEPARTMENT a sum of money equal to the basic fee as determined in this AGREEMENT less the total of the amount of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.
4. To pay the ENGINEER as compensation for all services rendered in accordance with the AGREEMENT on the basis of the following compensation method as discussed in 5-5.10 of the BLR Manual.

   Method of Compensation:

☐ Lump Sum

☐ Specific Rate

☒ Cost plus Fixed Fee:

Fixed

Total Compensation = DL + DC + OH + FF

Where:

DL is the total Direct Labor,
DC is the total Direct Cost,
OH is the firm's overhead rate applied to their DL and
FF is the Fixed Fee.

Where FF = (0.33 + R) DL + %SubDL, where R is the advertised Complexity Factor and %SubDL is 10% profit allowed on the direct labor of the subconsultants.

The Fixed Fee cannot exceed 15% of the DL + OH.

5. The recipient shall not discriminate on the basis of race, color, national original or sex in the award and performance of any US DOT assisted contract or in the administration of its DBE program or the requirements of 49 CFR part 26. The recipient shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of US DOT-assisted contracts. The recipient's DBE program, as required by 49 CFR part 26 and as approved by US DOT, is incorporated by reference in this agreement. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as violation of this AGREEMENT. Upon notification to the recipient of its failure to carry out its approved program, the Department may impose sanctions as provided for under part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31 U.S.C 3801 et seq.).

III. IT IS MUTUALLY AGREED,

1. No work shall be commenced by the ENGINEER prior to issuance by the IDOT of a written Notice to Proceed.
2. To maintain, for a minimum of 3 years after the completion of the contract, adequate books, records and supporting documents to verify the amount, recipients and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records and supporting documents related to the contract shall be available for review and audit by the Auditor General, and the DEPARTMENT: the Federal Highways Administration (FHWA) or any authorized representative of the federal government, and to provide full access to all relevant materials. Failure to maintain the books, records and supporting documents required by this section shall establish a presumption in favor of the DEPARTMENT for the recovery of any funds paid by the DEPARTMENT under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.
3. That the ENGINEER shall be responsible for any and all damages to property or persons arising out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and save harmless the LPA, the DEPARMTENT, and their officers, agents, and employees from all suits, claims, actions or damage liabilities, costs or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy.

   The LPA will notify the ENGINEER of any error or omission believed by the LPA to be caused by the negligence of the ENGINEER as soon as practicable after the discovery. The LPA reserves the right to take immediate action to remedy any error or omission if notification is not successful; if the ENGINEER fails to reply to a notification; or if the conditions created by the error or omission are in need of urgent correction to avoid accumulation of additional construction costs or damages to property and reasonable notice is not practicable.
4. This AGREEMENT may be terminated by the LPA upon giving notice in writing to the ENGINEER at the ENGINEER's last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LPA all drawings, plats, surveys, reports, permits, agreements, soils and foundation analysis, provisions, specifications, partial and completed estimates and data, if any from soil survey and subsurface investigation with the understanding that all such material becomes the property of the

LPA. The LPA will be responsible for reimbursement of all eligible expenses incurred under the terms of this AGREEMENT up to the date of the written notice of termination.

5. In the event that the DEPARMENT stops payment to the LPA, the LPA may suspend work on the project. If this agreement is suspended by the LPA for more than thirty (30) calendar days, consecutive or in aggregate, over the term of this

   AGREEMENT, the ENGINEER shall be compensated for all services performed and reimbursable expenses incurred as a result of the suspension and resumption of its services, and the ENGINEER's schedule and fees for the remainder of the project shall be equitably adjusted.

6. This AGREEMENT shall continue as an open contract and the obligations created herein shall remain in full force and effect until the completion of construction of any phase of professional services performed by others based upon the service provided herein. All obligations of the ENGINEER accepted under this AGREEMENT shall cease if construction or subsequent professional services are not commenced within 5 years after final payment by the LPA.

7. That the ENGINEER shall be responsible for any and all damages to property or persons arising out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and have harmless the LPA, the DEPARTMENT, and their officers, employees from all suits, claims, actions or damages liabilities, costs or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy.

8. The ENGINEER and LPA certify that their respective firm or agency:

   (a) has not employed or retained for commission, percentage, brokerage, contingent fee or other considerations, any firm or person (other than a bona fide employee working solely for the LPA or the ENGINEER) to solicit or secure this AGREEMENT,
   (b) has not agreed, as an express or implied condition for obtaining this AGREEMENT, to employ or retain the services of any firm or person in connection with carrying out the AGREEMENT or
   (c) has not paid, or agreed to pay any firm, organization or person (other than a bona fide employee working solely for the LPA or the ENGINEER) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying out the AGREEMENT.
   (d) that neither the ENGINEER nor the LPA is/are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency,
   (e) has not within a three-year period preceding the AGREEMENT been convicted of or had a civil judgment rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property,
   (f) are not presently indicated for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph e and
   (g) has not within a three-year period preceding this AGREEMENT had one or more public transaction (Federal, State or local) terminated for cause or default.

   Where the ENGINEER or LPA is unable to certify to any of the above statements in this certification, an explanation shall be attached to this AGREEMENT.

9. In the event of delays due to unforeseeable causes beyond the control of and without fault or negligence of the ENGINEER no claim for damages shall be made by either party. Termination of the AGREEMENT or adjustment of the fee for the remaining services may be requested by either party if the overall delay from the unforeseen causes prevents completion of the work within six months after the specified completion date. Examples of unforeseen causes include but are not limited to: acts of God or a public enemy; act of the LPA, DEPARTMENT, or other approving party not resulting from the ENGINEER's unacceptable services; fire; strikes; and floods.

   If delays occur due to any cause preventing compliance with the PROJECT SCHEDULE, the ENGINEER shall apply in writing to the LPA for an extension of time. If approved, the PROJECT SCHEDULE shall be revised accordingly.

10. This certification is required by the Drug Free Workplace Act (30 ILCS 580). The Drug Free Workplace Act requires that no grantee or contractor shall receive a grant or be considered for the purpose of being awarded a contract for the procurement of any property or service from the DEPARTMENT unless that grantee or contractor will provide a drug free workplace. False certification or violation of the certification may result in sanctions including, but not limited to suspension of contract on grant payments, termination of a contract or grant and debarment of the contracting or grant opportunities with the DEPARTMENT for at least one (1) year but not more than (5) years.

    For the purpose of this certification, "grantee" or "Contractor" means a corporation, partnership or an entity with twenty-five (25) or more employees at the time of issuing the grant or a department, division or other unit thereof, directly responsible for the specific performance under contract or grant of $5,000 or more from the DEPARTMENT, as defined the Act.

    The contractor/grantee certifies and agrees that it will provide a drug free workplace by:

    (a) Publishing a statement:

        (1) Notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance, including cannabis, is prohibited in the grantee's or contractor's workplace.

        (2) Specifying actions that will be taken against employees for violations of such prohibition.

        (3) Notifying the employee that, as a condition of employment on such contract or grant, the employee will:
            (a) abide by the terms of the statement; and
            (b) notify the employer of any criminal drug statue conviction for a violation occurring int he workplace

no later than (5) days after such conviction.

(b) Establishing a drug free awareness program to inform employees about:

(1) The dangers of drug abuse in the workplace;
(2) The grantee's or contractor's policy of maintain a drug free workplace;
(3) Any available drug counseling, rehabilitation and employee assistance program; and
(4) The penalties that may be imposed upon an employee for drug violations.

(c) Providing a copy of the statement required by subparagraph (a) to each employee engaged in the performance of the contract or grant and to post the statement in a prominent place in the workplace.

(d) Notifying the contracting, or granting agency within ten (10) days after receiving notice under part (b) of paragraph (3) of subsection (a) above from an employee or otherwise, receiving actual notice of such conviction.

(e) Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program.

(f) Assisting employees in selecting a course of action in the event drug counseling, treatment and rehabilitation is required and indicating that a trained referral team is in place.

Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act, the ENGINEER, LPA and the Department agree to meet the PROJECT SCHEDULE outlined in EXHIBIT B. Time is of the essence on this project and the ENGINEER's ability to meet the PROJECT SCHEDULE will be a factor in the LPA selecting the ENGINEER for future project. The ENGINEER will submit progress reports with each invoice showing work that was completed during the last reporting period and work they expect to accomplish during the following period.

11. Due to the physical location of the project, certain work classifications may be subject to the Prevailing Wage Act (820 ILCS 130/0.01 et seq.).

12. For Preliminary Engineering Contracts:

(a) That tracing, plans, specifications, estimates, maps and other documents prepared by the ENGINEER in accordance with this AGREEMENT shall be delivered to and become the property of the LPA and that basic survey notes, sketches, charts, CADD files, related electronic files, and other data prepared or obtained in accordance with this AGREEMENT shall be made available, upon request to the LPA or to the DEPARTMENT, without restriction or limitation as to their use. Any re-use of these documents without the ENGINEER involvement shall be at the LPA's sole risk and will not impose liability upon the ENGINEER.

(b) That all reports, plans, estimates and special provisions furnished by the ENGINEER shall conform to the current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Manual or any other applicable requirements of the DEPARTMENT, it being understood that all such furnished documents shall be approved by the LPA and the DEPARTMENT before final acceptance. During the performance of the engineering services herein provided for, the ENGINEER shall be responsible for any loss or damage to the documents herein enumerated while they are in the ENGINEER's possession and any such loss or damage shall be restored at the ENGINEER's expense.

AGREEMENT SUMMARY

Prime Consultant (Firm) Name	TIN/FEIN/SS Number	Agreement Amount
Civiltech Engineering, Inc.	36-3606666	$269,797.00

Subconsultants	TIN/FEIN/SS Number	Agreement Amount
TWiG Technologies	81-4693586	$42,813.00
Rubino Engineering, Inc.	80-0450719	$6,080.00
True North Consultants	26-1702603	$17,990.00
	Subconsultant Total	$66,883.00
	Prime Consultant Total	$269,797.00
	Total for all work	$336,680.00

AGREEMENT SIGNATURES

Executed by the LPA:

The Local Public Agency Type: Village of Local Public Agency: Arlington Heights

Attest:

By (Signature & Date)

By (Signature & Date)

Name of Local Public Agency: Arlington Heights

Local Public Agency Type: Village

Clerk

Title

(SEAL)

Executed by the ENGINEER:

Attest:

Prime Consultant (Firm) Name: Civiltech Engineering, Inc.

By (Signature & Date)

By (Signature & Date)

Title

Title

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Arlington Heights	Civiltech Engineering, Inc.	Cook	22-00218-00-CH

To perform or be responsible for the performance of the engineering services for the LPA, in connection with the PROJECT herein before described and enumerated below

EXHIBIT A
SCOPE OF SERVICES

FOR FEDERAL PARTICIPATION PROJECTS

See attached

PROJECT UNDERSTANDING

This project consists of resurfacing Windsor Drive from south of Jane Avenue to north of Suffield Road. Resurfacing will be omitted at the Palatine Road intersection. South of Lillian Avenue, the roadway will be restriped with two through lanes and two parking lanes, as well as sharrows. North of Lillian Avenue, the roadway will be restriped with two through lanes, two bike lanes, and a center turn lane or median as applicable. along with a center turn lane or median. At the Palatine Road intersection however, the lane configuration will be the same as the existing condition, with the addition of dedicated bike lanes. Landscaped medians with irrigation will be constructed north and south of Valley Lane. Pedestrian refuge islands with RRFBs will be constructed at Crabtree Drive and Suffield Drive. Curb ramps will be reconstructed throughout the resurfacing limits. The median noses on Palatine Road will be shortened to accommodate a new crosswalk alignment on the east leg and a new crosswalk on the west leg. North of Palatine Road, sidewalk on both sides of the road will be replaced with wider 8-foot sidewalks. No ROW or easements are planned as part of this project.

New 8" watermain will be installed from Rose Hill Drive up to the south limit of Lake Arlington and along Jonquil Circle. New 12" watermain will be installed from Crabtree Drive up to Suffield Drive. The existing 12" watermain on the north side of Palatine Road from Windsor Drive to Maple Lane and across Palatine Road at Maple Lane will be lined. Drainage improvements will be limited to structure adjustments or reconstructions as needed due to the resurfacing or the sidewalk construction. However, due to the new watermain and lining, some existing laterals may also be replaced for IEPA compliance. Sanitary and water lids that will remain in place will also be adjusted or reconstructed as necessary.

The traffic signal at Windsor Drive and Valley Lane will be replaced. APS and video detection will be installed. A temporary signal will be provided during construction. At Palatine Road, the pedestrian signal heads and push buttons will be replaced or relocated as necessary and video detection will be installed. A temporary signal will be required at Palatine Road for the staging of the watermain construction.

There is existing lighting throughout the Windsor Drive project limits that is owned and maintained by the Village. The lighting consists of a staggered layout of aluminum and concrete poles with LED luminaires. The existing lighting system along Windsor Drive will remain except there may be a few poles that need to be relocated based on proposed sidewalk locations. The intersection of Palatine Road does not have intersection lighting, nor will it in the proposed condition. The intersection of Valley Lane has combination poles to provide intersection lighting. The traffic signal at Valley Lane is being replaced so new LED combination lighting will be installed. We will perform photometric calculations at this intersection to meet IES and IDOT guidelines, and anticipate a report submittal to BLRS as part of the Preliminary Engineering.

SCOPE OF WORK

The Phase II Design Engineering services will be in accordance with the approved Phase I report and meet the pertinent requirements of the Village of Arlington Heights, the Illinois Department of Transportation (IDOT), the Illinois Environmental Protection Agency, and the Metropolitan Water Reclamation District of Greater Chicago.

Item 1 - Data Collection and Early Coordination

Since project will utilize Federal funds, coordination with IDOT – Bureau of Local Roads and Streets will be required. An initial kick-off meeting will be held prior to starting the Design Engineering and PDR Addendum. This meeting will ensure that IDOT concurs with the scope of the improvements and the proposed schedule, and will confirm the requirements related to the project design.

We will obtain and review available Village data including, but not limited to, subdivision plans and plats, record plans, geotechnical reports, right of way data, aerial photography and contour mapping, water main break records, other existing plans, and municipal utility atlases and private utility atlases.

In addition, the data collection for this project will include a complete photolog in order to document existing conditions prior to construction. Images from the photolog could then be used to clearly show the existing conditions during public meeting presentations.

We will initiate a design-stage utility location request through JULIE and establish a utility contact log. We will then obtain public and private utility

atlases from all identified utilities to depict the presence of existing utilities as accurately as possible on the plan sheets using atlas information and any field markings. Additionally, coordination will begin with ComEd for the traffic signal power.

Our subconsultant Rubino will perform pavement cores that will be used to confirm the Phase I pavement design. Our subconsultant True North will perform testing necessary to complete LPC 663 forms to include in the project specifications. We have included hours for coordination with both these subconsultants.

With an anticipated letting in 2027, we assume the 2023 wetland report and 2023 WIE submittal and clearance will not have exceeded the five-year expiration limit. However, the bat assessment was completed in April of 2024, and assessments need to be completed within two years of conducting any construction. Therefore, we propose to update the current Bat Assessment, which includes an on-site field assessment, an update to the appropriate Bridge/Structure Bat Assessment Form, and an update to the current Bat Assessment Memorandum.

Item 2 - Field Survey and Preparation of Base Sheets

Civiltech will use the services of TWiG to obtain topographic survey in the parkways and curb ramp areas. They will also gather underground utility information along the stretches where new water main is planned. South of Palatine Road, survey will be completed at curb ramp areas. North of Palatine Road, survey will be completed for the full parkway areas due to the new sidewalk proposed. We will fly the drone along the project site to obtain high resolution aerials for plan production and water main design. As a by-product of this work, we will also have a surface model that can be beneficial in design to supplement the conventional survey. TWiG will also survey property corners throughout the corridor where new sidewalk will be constructed.

Base sheets will be prepared at a scale of 1"=20' and 1"=50' for use during the final contract plan preparation. The preparation of the base sheets will include identification and plotting of all existing utilities within the project limits.

After the base sheets have been prepared, the designers will perform a plan-in-hand field check during which we will verify the completeness and accuracy of the survey while familiarizing ourselves with the project area and any special conditions in the field.

Our Landscape Designer will visit the site to evaluate existing trees. This task will involve identifying tree species, measuring the diameter of each tree, and assigning a health score for each tree based on observations. The data from this will be cataloged in a spreadsheet with each tree numbered, and data will be added to CAD files for use during the landscape design.

We will prepare a structure inventory report which will include the type and condition for each manhole, catch basin, inlet, and valve vault within the project limits that is to remain in place. We will assess the need for adjustment, reconstruction or replacement of these structures. This work will be performed by one of Civiltech's Resident Engineers experienced in the Village's determination of structure condition. Village staff will be invited to this inventory.

Item 3 – Phase I Updates

As a result of the Public Involvement Process and additional input received during the Phase I Study, there are several modifications to the proposed improvement plan that need to be evaluated during Phase II Engineering. Those potential improvements include:

- Re-evaluation of the road diet limits to extend bike lanes and 3-lane cross section to Suffield Drive.
- Access Evaluation at Rosehill Drive.
- Pedestrian Crossing improvement evaluation at Suffield Drive, with or without the extension of the road diet.
- Inclusion of watermain improvements.

Changes to the scope of overall improvement identified in the Project Development Report will require updates to the Phase I Report. Coordination with IDOT-BLRS will determine the required documentation needed to process the updates. It is assumed that a Phase I Update Memo will be required. This scope item will include the following task items:

1. Traffic Data Collection: Obtain 24-hour turning movement, bike (on-street and in crosswalk), and pedestrian counts using video collection units (VCU) at the intersection of Windsor Drive and Suffield Drive.
2. Traffic Data Analysis: Reduce and tabulate traffic count data; determine A.M. and P.M. peak hours and peak hour usage, prepare traffic volume exhibit; develop 2050 No-Build and 2050 Build traffic projection from CMAP, and perform A.M. and P.M. existing, 2050 No-Build and 2050 Build capacity analysis.
3. Prepare Pedestrian Crossing Evaluation Treatment per TRA-23 for both the 4-lane cross section and potential 3-lane cross section, including coordination with IDOT-Local Policy regarding potential RRFB location/relocations.
4. Prepare horizontal plan sheets for the extension of the road diet, pedestrian crossing improvements, and Rosehill Drive intersection. Assume two concept alternatives will be developed for each and one review by the Village.
5. Prepare for and attend an IDOT-BLRS Update Meeting to discuss changes to the design and Project Development Report.
6. Prepare and submit an Addendum Environmental Survey Request to include additional project area and scope changes.
7. Prepare DRAFT IDOT Phase I Update Memo/Addendum. Includes QC/QA before submittal to Village and IDOT for review and preparation of a disposition of comments.
8. Prepare FINAL IDOT Phase I Update Memo/Addendum update.

Item 4 – Public Involvement

Any changes to the layout and function of Windsor Drive that were not documented within the Project Development Report will require a Public Involvement Activity to notify the public. While the level of Public Involvement is to be determined by IDOT, it is anticipated that a Public Information Meeting will be required. To fulfill this requirement, it is recommended to hold a neighborhood meeting and a Committee of the Whole meeting. The neighborhood meeting would be a Committee of the Whole-style meeting, with a presentation to update the attendees and provide an opportunity for public comment. The Public Information Meeting (neighborhood meeting) needs to be held separately from regular Committee of the Whole Meetings and have their own advertisings/invitations. Following the neighborhood meeting, the presentation will be revised, updated, and presented to the Committee of the Whole. As the Phase II design progresses, an additional neighborhood meeting and an additional Committee of the Whole presentation will be held to inform the community of the final design and what to expect during construction. This is a total of 4 meetings. This scope item will include the following:

1. Prepare invitation letters to area residents and businesses. It is assumed that the Village will distribute the invitations to the public.
2. Prepare public meeting newspaper display advertisement. It is assumed that the Village will coordinate with the Newspaper.
3. Prepare public meeting brochure/handout.
4. Prepare public meeting exhibits.
5. Prepare presentation and attend/present at Public Information Meeting (neighborhood meeting).
6. Prepare meeting summary, Frequently Asked Questions document, and responses to public comments.
7. Revise and update presentation.
8. Attend/present at Committee of the Whole meeting.
9. Prepare/revise/update Frequently Asked Questions document.

Item 5 - Preliminary (50%) and Pre-Final (95%) Contract Plans

Based on the findings of the Preliminary Engineering Phase, we will prepare preliminary and pre-final contract plans. Preliminary plans will be provided to the Village only to allow the Village to review and provide comments of design concepts before they are shared with IDOT, and to ensure the goals and requirements are met. We anticipate that the plans will be prepared using dual plan drawings at a 1" = 20' scale and 1" =50', and will likely contain the following drawings, for a total of 107 sheets:

- Cover Sheet & Index of Sheets
- General Notes and State Standards
- Summary of Quantities
- Existing and Proposed Typical Sections
- Alignment, Ties, and Benchmarks
- Maintenance of Traffic Plans (1 stage)
- Roadway Plans – Removal /Paving Sheets (1" = 20'- dual pane)
- Drainage and Utility Plan and Profile (1"=20'H : 1"=5'V)
- Drainage and Utility Plan and Profile (1"=20'H : 1"=5'V)
- Landscape Plans
- Irrigation plans for 5 planted medians, plus gateway sign area
- Traffic Signal Plans
- Lighting Plans
- ADA Plan Sheets
- Driveway Detail Sheets
- Pavement Marking, Signing Erosion Control , and Landscaping Sheets (1" = 50', dual pane)
- Landscaping Median and Irrigation System Details
- Construction Details

Detailed quantity calculations will be performed at this stage of the plan preparation to develop an accurate Engineer's Estimate of Cost. An Estimate of Construction Time will also be prepared. Detailed special provisions supplementing the "Standard Specifications for Road and Bridge Construction," adopted January 1, 2022 by the Illinois Department of Transportation will be prepared at pre-final stage. The special provisions will also include details and requirements for construction staging/maintenance of traffic, including listing any commitments made by the Village to the adjacent property owners.

A Work Zone Transportation Management Plan (TMP) shall be prepared and submitted to IDOT with the prefinal plans. We will analyze traffic conditions along Palatine Road for any lane closures required for construction and prepare the necessary documentation.

Item 6 - Submittals and Review

If necessary, we can arrange a meeting with the Village to go over the Village's preliminary review comments. Once the Village preliminary comments have been addressed and pre-final plans and special provisions are completed, pre-final contract documents will be submitted to IDOT and to the Village for concurrent review.

The plans will also be sent to the private utilities for their review and conflict analysis. We will analyze the project for potential impacts to existing utilities and will provide the utility companies with a list of areas of potential conflict. We will first attempt to address utility conflicts through design modifications while considering the impact those changes will have on the overall improvement. Should any utility relocation work be necessary, we will work with the utilities as they develop relocations plans,

provide them with electronic files when requested, and review those plans when they are submitted. We anticipate meeting with each utility one time during the preparation of their relocation plans. We will review all utility relocation designs and permit applications submitted to the Village to ensure compatibility with the project.

Item 7 - Final (100%) Plans, Special Provisions, and Estimates

After completion of the Village's and IDOT's review and resolution of other concerns, the contract plans, special provisions, engineer's Estimate of Cost and Time, and TMP will be finalized.

Item 8 – Coordination and Project Administration

We will prepare PPI forms at project milestones and Quarterly Status Updates, as well as prepare engineering and joint funding agreements for Construction and Construction Engineering in coordination with NWMC and IDOT BLRS.

We will make the necessary document submittals and follow through with each agency in regards to their review comments, or arrange a review meeting to discuss plan changes necessary to resolve conflicts if possible.

We will submit a Permit Determination letter to MWRD to confirm that a Watershed Management Ordinance (WMO) Permit will be required for the proposed improvement. However, due to the disturbed area we anticipate that a WMO permit will be required. Based on the response from MWRD, we will prepare a permit submittal to MWRD to comply with the Watershed Management Ordinance . It is assumed that stormwater detention will not be required and that the scope of the drainage improvements will include minor adjustments and modifications to the existing stormwater system. We will prepare the required Permit Schedules, exhibits and attachments. We will also prepare the IEPA construction permit for the installation of the new watermain and the lining of the existing watermain on behalf of the Village.

We will also assist the Village during the bidding process as required, and will attend the IDOT pre-construction meeting to answer any questions regarding the design and contract documents.

Item 9 – QA/QC

Reviews will be performed by the Director of Quality Management, the Senior Phase II Project Manager, and the Project Managers at milestone submittals. A Resident Engineer will also perform constructability reviews.

WORKHOUR ESTIMATE

Item No.	Task		Senior Project Manager	Project Manager	Engineer III	CAD Technician	Chief Layout Specialist	Project Manager (Signals)	Engineer III (Signals)	Senior Project Manager (Lighting)	Engineer V (Lighting)	Senior Project Manager (Phase I)	Project Manager (Phase I)	Engineer IV (Phase I)	Engineer III (Phase I)	Senior Design Technician	Visual Designer	Director of Nature-based Solutions	Engineer I (NbS)	Landscape Architect	Landscape Designer	Water Resources Manager	Engineer III (Water Resources)	Resident Engineer V	Senior Project Manager (QC/QA)		Total Hours	% of Hours
1	**Data Collection and Early Coordination**																											
A.	Project Kickoff Meeting with IDOT BLRS, Village, and Phase I Team		2	3	3																						**8**	13.8%
B.	Obtain and Review Record Data			4	6				2																		**12**	20.7%
C.	Preliminary Utility Company Coordination			4	8			2																			**14**	24.1%
D.	Special Waste Investigations (by True North) coordination only			4	1																						**5**	8.6%
E.	Geotechnical Investigations (by Rubino) coordination only			4	1																						**5**	8.6%
F.	Bat Assessment			2														2	6								**10**	17.2%
G.	Pavement Design			1	3																						**4**	6.9%
	Sub-total Item 1		**2**	**22**	**22**	**0**	**0**	**2**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**6**	**0**	**0**	**0**	**0**	**0**	**0**		**58**	**100.0%**
2	**Field Survey and Preparation of Base Sheets**																											
A.	Topographic Survey (by TWiG) coordination only			4	2																						**6**	4.2%
B.	Drone Survey and Photography			1	1	23	8																				**33**	23.1%
C.	Field Inspection			8	8			3	3	3	3										12						**40**	28.0%
D.	Plan Base Sheet Preparation			4	24	24																					**52**	36.4%
E.	Structure Inventory																							12			**12**	8.4%
	Sub-total Item 2		**0**	**17**	**35**	**47**	**8**	**3**	**3**	**3**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**0**	**0**	**12**	**0**		**143**	**100.0%**
3	**Phase I Updates**																											
A.	Traffic Data Collection														6	6											**12**	6.5%
B.	Traffic Data Analysis												2	8	4												**14**	7.5%
C.	Pedestrian Crossing Treatment Analysis												2	4													**6**	3.2%
D.	Horizontal Plan Sheets (Assume 2 concepts, 1 revision)												6	12	12												**30**	16.1%
E.	IDOT-BLRS Update Meeting												4	4													**8**	4.3%
F.	Addendum Environmental Survey Request												8	16	12	4											**40**	21.5%
G.	Draft IDOT Phase I Update Memo											2	12	16	16												**46**	24.7%
H.	Final IDOT Phase I Update Memo											2	8	20													**30**	16.1%
	Sub-total Item 3		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**42**	**80**	**50**	**10**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**		**186**	**100.0%**
4	**Public Involvement**																											
A.	Prepare invitation letters													2													**2**	1.2%
B.	Prepare newspaper advertisement												2	2													**4**	2.4%
C.	Prepare public meeting brochure/handout													4	4		8										**16**	9.8%
D.	Prepare public meeting exhibits			2	4								4	12	4		20										**46**	28.0%
E.	Prepare presentation and attend Public Information Meeting		2	8	4							2	12	12													**40**	24.4%
F.	Prepare meeting summary, FAQ, and responses to public comments			2	2								4	12													**20**	12.2%
G.	Revise and update presentation			2	2								4	4													**12**	7.3%
H.	Attend/Present at Committee of the Whole meeting		2	4	2								2	2													**12**	7.3%
I.	Prepare/revise/update FAQ												4	8													**12**	7.3%
	Sub-total Item 4		**4**	**18**	**14**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**32**	**58**	**8**	**0**	**28**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**		**164**	**100.0%**
5	**Preliminary (50%) and Pre-Final (95%) Plans, Special Provisions, and Engineer's Estimate of Cost**																											
A.	Preliminary and Pre-Final Plans	*No. of Sheets*																										
	Cover Sheet and Index of Sheets	*1*		2	4																						**6**	0.5%
	General Notes and List of State/Local Standards	*2*		6	12																						**18**	1.6%
	Summary of Quantities	*4*		3	6																						**9**	0.8%
	Existing and Proposed Typical Sections	*2*		6	16																						**22**	1.9%
	Alignment, Ties and Benchmarks	*2*		8	14																						**22**	1.9%
	Maintenance of Traffic Plans (1 Stage)	*5*	2	8	70																						**80**	7.0%
	Roadway Plans	*6*	2	10	50																						**62**	5.4%
	Drainage and Utility Plan and Profile Sheets	*10*	2	20	140																						**162**	14.1%
	Landscape Plans	*5*																		4	56						**60**	5.2%
	Irrigation Plans	*5*			2															4	16						**22**	1.9%
	Temporary Traffic Signal Installation Plan and Existing Removal - Palatine/Windsor	*1*						6	18																		**24**	2.1%
	Temporary Traffic Signal Plan - Stage 1 - Palatine Road/Windsor Drive	*1*						2	7																		**9**	0.8%
	Temporary Cable Plan and Sequences - Palatine Road/Windsor Drive	*1*						2	7																		**9**	0.8%
	Temporary Traffic Signal Installation Plan and Existing Removal - Windsor/Valley	*1*						6	18																		**24**	2.1%
	Temporary Traffic Signal Plan - Stage 1 - Windsor Drive/Valley Lane	*1*						2	7																		**9**	0.8%
	Temporary Cable Plan and Sequences - Windsor Drive/Valley Lane	*1*						2	7																		**9**	0.8%
	Traffic Signal Modernization Plan - Palatine/Windsor	*1*						6	18																		**24**	2.1%
	Cable Plan and Sequences - Palatine/Windsor	*1*						2	7																		**9**	0.8%
	Traffic Signal Modernization Plan - Windsor Drive/Valley Lane	*1*						10	30																		**40**	3.5%
	Cable Plan and Sequences - Windsor Drive/Valley Lane	*1*						4	10																		**14**	1.2%
	Schedule of Quantities and Mast Arm Mounted Street Name Signs - Windsor/Valley	*1*						2	7																		**9**	0.8%
	RRFB Plan - Windsor/Crabtree	*1*						4	12																		**16**	1.4%
	RRFB Plan - Windsor/Suffield	*1*						4	12																		**16**	1.4%
	IDOT Traffic Signal Details	*8*							4																		**4**	0.3%
	Lighting Plans	*8*								4	24																**28**	2.4%
	ADA Plan Sheets	*12*		16	144																						**160**	13.9%
	Driveway Detail Sheets	*7*		8	24																						**32**	2.8%
	Pavement Marking, Erosion Control, and Landscaping Sheets	*3*		3	10																						**13**	1.1%
	Landscape Median and Irrigation System Details	*4*																		4	12						**16**	1.4%
	Construction Details	*10*		5	4																						**9**	0.8%
B.	Pre-Final Special Provisions		2	40				4	6											4	8						**64**	5.6%
C.	Pre-Final Quantity Calculations			12	24	24		6	12											2	8						**88**	7.7%
D.	Pre-Final Estimate of Cost and Construction Time		2	4	4			2	2																		**14**	1.2%
E.	Work Zone Transportation Management Plan							6	20																		**26**	2.3%
F.	Photometric Calculations and Report									2	16																**18**	1.6%
	Sub-total Item 5		**10**	**151**	**524**	**24**	**0**	**70**	**204**	**6**	**40**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**18**	**100**	**0**	**0**	**0**	**0**		**1147**	**100.0%**
6	**Submittals**																											
A.	Project Review Meetings		2	6	6																						**14**	15.6%
B.	IDOT Plan Submittals			2	4																						**6**	6.7%
C.	Utility Plan Submittals and Coordination			10	60																						**70**	77.8%
	Sub-total Item 6		**2**	**18**	**70**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**		**90**	**100.0%**
7	**Final (100%) Plans, Special Provisions, and Engineer's Estimate of Cost**																											
A.	Final Plans		2	12	24			5	15	1	2									4	12						**77**	52.4%
B.	Final Special Provisions			10	6			2	2		1									2	4						**27**	18.4%
C.	Final Quantity Calculations			4	8			2	9	1	1									2	4						**31**	21.1%
D.	Final Estimate of Cost and Construction Time			2	2			1	1																		**6**	4.1%
E.	Final Work Zone Transportation Management Plan							2	4																		**6**	4.1%
	Sub-total Item 7		**2**	**28**	**40**	**0**	**0**	**12**	**31**	**2**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**20**	**0**	**0**	**0**	**0**		**147**	**100.0%**
8	**Coordination and Project Administration**																											
A.	Project Administration		4	20																		2					**26**	24.5%
B.	NWMC Coordination			12																							**12**	11.3%

WORKHOUR ESTIMATE

Item No.	Task		Senior Project Manager	Project Manager	Engineer III	CAD Technician	Chief Layout Specialist	Project Manager (Signals)	Engineer III (Signals)	Senior Project Manager (Lighting)	Engineer V (Lighting)	Senior Project Manager (Phase I)	Project Manager (Phase I)	Engineer IV (Phase I)	Engineer III (Phase I)	Senior Design Technician	Visual Designer	Director of Nature-based Solutions	Engineer I (NbS)	Landscape Architect	Landscape Designer	Water Resources Manager	Engineer III (Water Resources)	Resident Engineer V	Senior Project Manager (QC/QA)		Total Hours	% of Hours
C.	BLRS Coordination and Joint Agreement Preparation			12																							12	11.3%
D.	MWRD WMO Permit Determination and Permit Application			2	2																	8	24				36	34.0%
E.	IEPA Permit			2	6																						8	7.5%
F.	Bid Phase Assistance			4	4																						8	7.5%
G.	Pre-Construction Meeting Attendance			2	2																						4	3.8%
	Sub-total Item 8		**4**	**54**	**14**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**	**24**	**0**	**0**		**106**	**100.0%**
9	**QA/QC**																											
A.	Reviews		4	8				8																8	32		60	100.0%
	Sub-total Item 9		**4**	**8**	**0**	**0**	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**32**		**60**	**100.0%**
	Total Hours:		**28**	**316**	**719**	**71**	**8**	**95**	**240**	**11**	**47**	**6**	**74**	**138**	**58**	**10**	**28**	**2**	**6**	**26**	**132**	**10**	**24**	**20**	**32**		**2101**	
	% of Hours:		**1.3%**	**15.0%**	**34.2%**	**3.4%**	**0.4%**	**4.5%**	**11.4%**	**0.5%**	**2.2%**	**0.3%**	**3.5%**	**6.6%**	**2.8%**	**0.5%**	**1.3%**	**0.1%**	**0.3%**	**1.2%**	**6.3%**	**0.5%**	**1.1%**	**1.0%**	**1.5%**		**100.0%**	

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November 11, 2024

Kristin R. Kalitowski, P.E.
Civiltech Engineering, Inc.
Two Pierce Place, Suite 1400
Itasca, Illinois 60143

RE: Proposal - Preliminary Environmental Site Assessment Update & CCDD Soil Assessment
Windsor Road Improvement Project
Windsor Road from Jane Avenue to project limit between Suffield Drive & Hintz Road
Arlington Heights, Illinois
TNC Proposal #P124-1293

Dear Ms. Kalitowski,

True North Consultants, Inc. (True North) is pleased to provide this proposal to perform a Preliminary Environmental Site Assessment (PESA) supplement for the proposed Windsor Road improvements from Jane Avenue to the proposed project limit between Suffield Drive & Hintz Road located in Arlington Heights, Illinois (the Site). The following sections of this proposal present background information, scope of services, estimated costs, schedule, and limitations.

BACKGROUND

On November 5, 2024, Civiltech Engineering, Inc. (Client) requested that True North provide a proposal to complete a PESA update and CCDD soil assessment for the above referenced project which includes the proposed resurfacing of Windsor Road and sidewalk widening and replacement and potential water main improvements along the Windsor Road corridor. Due to the identification of Palatine Road as an Illinois DOT route, this right-of-way at the Windsor Drive and Palatine Road intersection will not be included within the PESA. The adjoining properties are primarily residential, recreational, and commercial property uses for the length of the specified project area. This assessment would be performed to provide a screening of public information to determine the environmental status of the project area and incorporate this information into an updated, comprehensive PESA report for the entire Site.

SCOPE OF SERVICES

Task 1: PESA Update

True North will perform this PESA update in general conformance with the requirements outlined by *Illinois Department of Transportation (IDOT) in Bureau of Design and Environment (BDE) 95-12, BDE 96-8,* the *Manual for Conducting Preliminary Environmental Site Assessments for Illinois Department of Transportation Highway Projects,* and *Section 20-12.03(b) - Preliminary Environmental Site Assessment* of the *IDOT Bureau of Local Roads Manual* (Second Edition OFS 2012-1). The IDOT protocols are generally consistent with *The American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-21).*

1. Historical Records Review: Available historical records associated with the Site and surrounding properties will be reviewed. These records include city directories, Sanborn Fire Insurance Maps, and

aerial photographs. Commonly known or reasonably ascertainable information will also be pursued to the extent necessary to document information about the Site.

2. Environmental Regulatory Records Review: A computer search of Federal, State, Tribal, and local government agency records will be performed to determine if the Site or adjacent properties are included within the selected regulatory databases. Based on the results of this query, the Site and its surrounding properties shall be evaluated for recognized environmental concerns. Queries shall be performed, but not be limited to, the following regulatory databases:

   - National Priority List (NPL) of Hazardous Waste Sites;
   - Hazardous Waste Treatment, Storage, Disposal Facilities (TSDF);
   - Underground Storage Tank or Leaking Underground Storage Tank Locations (UST/LUST);
   - Sanitary Landfill and Solid Waste Sites (SL/SWS);
   - State Hazardous Waste Sites (SHWS);
   - CERCLIS sites; and
   - Small and Large Quantity Hazardous Waste Generators (RCRIS-SQG/LGG).

3. Site Reconnaissance: True North shall provide an Environmental Professional, as defined in 40 CFR 312, to perform a Site visit to make observations of on-site conditions and immediately adjacent properties from the project area right-of-way.

4. Report Preparation: A summary report shall be prepared to summarize the activities and results of the assessment. The report shall include pertinent documentation to support the screening results of this assessment. The report shall also include a conclusions section that shall summarize the evaluated conditions based on the information collected. An electronic copy (PDF) of the report will be provided to the Client.

   Please note that the scope of services for the PESA does not include a review of or survey for asbestos, radon, lead-based paint, lead in drinking water, industrial hygiene, health & safety, ecological field studies, indoor air quality, biological pollutants, or high voltage power lines. In addition, surveys for potential jurisdictional wetlands, oil/gas well records, mineral rights records, or mining areas are also considered beyond the scope of this assessment. No wetland delineation or sampling of soil, water, air, or building materials for laboratory analyses shall be performed during the assessment.

Task 2: Soil Management Assessment (Budgetary Costs)

Based on the findings of the PESA update and proposed scope of construction including potential subsurface utility work, True North shall locate proposed borings at representative locations across the Site. In addition, True North shall evaluate and may modify, as necessary, the laboratory analytical as proposed below for the soil assessment to appropriately assess any PIPs/RECs in accordance with CCDD requirements and industry standards.

True North will perform a focused soil sampling in conformance with standards set forth by the Illinois EPA in 35 Illinois Administrative Code (IAC) 742, "Tiered Approach to Corrective Action Objectives (742)," United States Environmental Protection Agency (USEPA) SW-846, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," ASTM E1903-19 standard, "Standard for Environmental Site Assessments: Phase II Environmental Site Assessment Process," Occupational Health & Safety Administration 1910 Standards, and 35 IAC 1100, "Clean Construction or Demolition Debris Fill Operations (CCDD)." Soil sampling

shall be performed based on the findings of Task 1 evaluation activities. The following soil sampling scope of work is based on limited information available for the proposed project.

True North will collect soil samples utilizing hand tools and/or a subcontracted an environmental drilling contractor to advance soil borings at pre-determined locations. The environmental drilling contractor will be responsible for the JULIE utility locates prior to drilling activities. Based on currently available information, the up to twelve (12) soil samples will be collected along the Windsor Road and Jonquil Circle project corridor. The soil borings will be completed within the proposed project areas to representative depths. Soil will be continuously sampled from grade to the end of each boring for characterization in accordance with the Unified Soil Classification System (USCS).

The drilling contractor will utilize a track-mounted geoprobe unit to complete all subsurface drilling activities. The drilling firm/contractor shall contact JULIE at least 48 hours in advance of drilling activities to secure an underground public utility locate at the Sites. Traffic control has not been included in the provided costs. If necessary, traffic control shall be provided by the Village or others for advancement of soil borings. True North can coordinate traffic control or provide costs associated with traffic control once Task 2 is authorized and initiated.

Representative soil samples will be screened with a calibrated photoionization detector (PID) with a 10.6eV lamp to determine the presence of photoionizable vapors that are potentially indicative of the presence of volatile organic compounds (VOCs) in the soil. Soil samples for laboratory analysis shall be collected from shallow soils to provide a representative assessment of fill materials on the Site.

True North anticipates sampling from up to twelve (12) locations at the Site. During the investigation, one soil sample will be collected from each sampling location. Soil samples registering the highest PID concentration will be retained for laboratory analysis. If elevated PID readings and/or varying conditions/fill material are not encountered at a sampling point, one representative soil sample will be collected and submitted for laboratory analysis. All soil samples selected for laboratory analysis will be placed in laboratory provided containers, labeled, placed in a cooler with ice, and logged on a chain of custody form. All samples will be transported under chain-of-custody to a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory. The samples will be analyzed within the standard turnaround time following Level II Quality Assurance/Quality Control (QA/QC) protocols. The following presents the maximum number of soil samples to be analyzed for each parameter at the Primary Site:

- Four (4) samples for Volatile Organic Compounds (VOCs), USEPA Method 8260B. Soil samples will be preserved in the field following USEPA Method 5035 protocols.
- Three (3) samples for Polynuclear Aromatic Hydrocarbons (PNAs), USEPA Method 8270B.
- One (1) sample for Semi-Volatile Organic Compounds (SVOCs), USEPA Method 8270B.
- One (1) samples for Polychlorinated Biphenyls Compounds (PCBs), USEPA Method 8082.
- Four (4) samples for RCRA Metals, USEPA Method 6010B/7471.
- Up to Four (4) samples for Toxicity Characteristic Leachate Procedure (TCLP) RCRA Metals, USEPA Method 1311/6010/6020. TCLP analyses shall be performed as necessary and applicable based on the analytical results for total concentrations.
- Twelve (12) samples for pH, USEPA Method 9045C.

Based on the existing information, evaluation or testing of other media (e.g. groundwater) is not included in this focused scope of work. The above soil assessment scope of work is based on limited available information and the recommended scope may be subject to change pending the PIP evaluation findings.

Additionally, True North can collect a composite soil sample for potential waste characterization laboratory analysis. The characterization sample will be comprised of soils that are collected from within representative sample locations across the project area. Upon receipt of the initial analytical results, True North will discuss the final destination of soils with the Village. Should the results of preliminary soil sampling results identify soils that require alternative management as a non-hazardous, non-special waste at a permitted Subtitle D facility, True North will release the held sample for laboratory analysis.

Based on the location of the project, two (2) facilities are available for the management of soils that cannot be managed at a permitted CCDD facility. These soils could be managed as a non-hazardous, non-special waste pending the waste characterization results at a Subtitle D landfill. Waste characterization analysis requirements for these facilities would include the Resource Conservation Recovery Act (RCRA) Code "R" List and polychlorinated biphenyls (PCBs).

Based on the nature and intent of the soil assessment, analytical results shall be compared to the CCDD MAC values as provided in 35 IAC 1100. True North will prepare and execute an Illinois Environmental Protection Agency (IEPA) LPC #663 Form for soils that can be certified as uncontaminated and managed at a permitted CCDD facility. The certification shall identify areas that cannot be certified based on the analytical data gathered during assessment activities. True North will also work with the Client on securing disposal approval at a Subtitle D landfill on an as-needed basis.

PROJECT COSTS

True North proposes to complete the stated scope of work in accordance with the attached General Terms & Conditions. Project Costs are included in the provided **Attachment A.** The estimated cost includes all professional labor, travel, materials, supplies, equipment, laboratory analytical fees and expenses as specified above.

Should the Client request a change in the scope-of-work, or should circumstances render the current estimate invalid, a new estimate will be prepared and mutually agreed to in writing before further work proceeds. Our Schedule of Terms and Conditions shall apply to the proposed work and is attached for your review. Written authorization to proceed will form a binding contract and indicates your acceptance of our Terms and Conditions. Any changes to our Terms and Conditions must be agreed to in writing by both parties prior to your authorization to proceed.

SCHEDULE

True North can proceed with the above scope of work immediately upon receipt of authorization to proceed. True North can provide the Task 1 summary report within four weeks of authorization to proceed assuming governmental agency responses and associated documentation is provided in a timely manner. Task 2 can be initiated within approximately four weeks from authorization and completion of Task 1.True North cannot be responsible for delays due to responses associated with the evaluation of cultural resources and/or threatened and endangered species.

LIMITATIONS & QUALIFICATIONS

- This proposal does not include traffic control which, if necessary, shall be provided by the

Village or others. True North can provide costs for traffic control, if requested and necessary, during the initial stages of project authorization, coordination, and scheduling.

- The proposed estimate has been provided as a good faith estimate of costs based upon the available information regarding the scope of work. Should the scope of work be modified from that initially proposed, total cost of services will be adjusted accordingly.

- It is assumed for purposes of this estimate that access to the Site is available during normal working hours and that records relating to the properties are reasonably ascertainable. In addition, there are no encumbrances on the *property* that may limit observations or sampling activities.

- True North understands the scope of work to include generation of CCDD certification as applicable pending the results. This proposal does not include additional reporting, evaluations or sampling of other material testing beyond the scope of work specifically identified herein.

- The Client shall provide True North, upon contract authorization, any requirements for additional insurance coverage, waivers of subrogation, and/or additional party reliance beyond that provided within this proposal or currently maintained by True North. Any additional cost to True North associated with these requirements shall be added to the total cost as proposed above unless these costs have been previously negotiated with the Client.

- The proposed scope of work is based on information and data provided by the Client and existing conditions relayed to True North during the proposal process. True North may be required to rely upon data and reports provided by others. True North cannot take responsibility for information provided by others and shall assume all provided information to be true and accurate.

- True North assumes that the Client shall return all requested documentation within the timeframe provided within the proposed schedule. True North will not be responsible for not meeting the proposed schedule due to a delayed response time by the Client or regulatory agency.

- If the site conditions are significantly different than as outlined in the introduction to this proposal (e.g., order of magnitude difference in site size, significant environmental conditions of concern that require in depth review of documentation), additional fees may be requested subsequent to the site inspection.

- True North's findings are based solely on the information obtained during completion of the approved scope of work.

- This proposal does not include special reports. generation of special provisions, or design drawings for construction purposes.

- This proposal does not include any permitting or application fees, review or closure fees, meetings with the zoning/planning board or other authorities or other fees that may be

assessed by local, State, or Federal government agencies during the performance of the above referenced scope of work on-Site.

- This proposal does not include the off-site management of any investigation derived waste. Additional costs will apply in the event waste is generated during investigation activities that requires off-site disposal. The proposal does not include waste characterization or other analytical testing beyond that mentioned specifically herein.

- True North is not responsible for the location, identification or abandonment of any underground utilities at the Site and shall not be deemed responsible for damages to underground or aboveground utilities, for unmarked or mismarked utilities or other features, or for damage that occurs to such utilities or features. The Client shall be responsible for providing all utility and underground system locates beyond those identified by the publicly available one-call utility locate service prior to the initiation of subsurface work.

- Additional site investigation activities and meeting/correspondence may be required to fully delineate any impact identified at the Site. True North shall provide an additional proposal in the event that additional delineation sampling is required.

- This proposal is based on field work performed in Level D personal protection (i.e., steel-toed boots, hard hats, safety glasses, and gloves). True North will postpone field work and notify Client immediately if field conditions warrant an increase in personal protection.

- True North assumes that Site conditions shall allow the on-site collection of the proposed samples in accordance with industry and regulatory sampling protocols. This includes, but is not limited to, soil and groundwater depths, subsurface geology, overhead interferences, surface conditions, weather conditions, access limitations, and utility locations.

TERMS OF AGREEMENT

If this proposal meets with your approval, please sign the attached service agreement and return it to our office via mail, fax or e-mail. This agreement for professional services represents a contract between True North Consultants, Inc. and the Client. Our Terms and Conditions are hereby incorporated as part of this agreement. True North appreciates the opportunity to offer this proposal for environmental assessment consulting services. If you have any questions, please contact me at 630.717.2880.

Regards,
TRUE NORTH CONSULTANTS

Sean P. Brady, P.E.
Principal Consultant

Attachments: Project Costs and Authorization
General Terms & Conditions

TRUE NORTH CONSULTANTS

Trusted Partner. Leading Environmental Solutions.

True North Consultants, Inc.
1000 East Warrenville Road, Suite 140
Naperville IL 60563
(630) 717-2880
sbrady@consulttruenorth.com

Attachment A

Proposal Date: 11/6/2024
Proposal #: P124-1293

Client

Civiltech Engineering, Inc.

Two Pierce Place
Itasca, Illinois 60143

Project

PESA Update & Soil Assessment
Windsor Road
Jane Avenue to Suffield Drive/Hintz Road
Arlington Heights, Illinois 60004

Description	Quantity	Units	Rate	Amount
Task 1 - Preliminary Environmental Site Assessment	1	Project	$2,200.00	$2,200.00
Task 2 - Soil Assessment	1	Project	$15,790.00	$15,790.00

Subtotal	$17,990.00
Total	**$17,990.00**

Authorization to Proceed

1. The hereby agree to the proposed scope, schedule and fees set forth within.
2. The attached terms and conditions are an integral part of this agreement.
3. Upon execution, this document represents a binding authorization to proceed.

Client Acceptance (sign below):

Print Name _____ Signature: _____ Date: _____

Thank You For Your Business!

TRUE NORTH
CONSULTANTS

General Terms & Conditions of Services

1.0 PROPOSAL ACCEPTANCE

The following terms and conditions ("Terms") shall apply to and are the only terms that govern the attached, Proposal or Quotation (collectively, "Agreement") between True North Consultants, Inc. ("True North") and the Client named below ("Client"). Client's acceptance of this Agreement is indicated and acknowledged by the signature of its authorized representative below and on the attached Proposal or Quotation. Any additional terms and conditions proposed by Client are objected to and will not be binding upon True North unless specifically assented to in writing by True North's authorized representative. The Consulting Services provided under this Agreement are not of a legal nature, and True North shall in no event give, or be required to give, any legal advice or legal representation to Client. This Agreement shall not create any rights or benefits to parties other than Client or True North. In the event of a conflict between these Terms and the Proposal or Quotation, these Terms will prevail unless otherwise agreed to by the parties in writing.

2.0 LIMITED WARRANTY

2.1 Professional Standard of Care: True North warrants that it will perform the Consulting Services consistent with the level of care and skill ordinarily exercised by other professional consultants in the same locale and under similar circumstances at the same time the Consulting Services are performed.

2.2 Exclusive Remedy: True North's sole and exclusive liability and Client's sole and exclusive remedy for breach of this warranty shall be as follows:

2.2.1 True North will use reasonable commercial efforts to promptly cure any breach; provided, that if True North cannot cure such breach within a reasonable time (but no more than thirty (30) days) after Client's notice of such breach, Client may, at its option, terminate the Agreement by service of written notice of termination.

2.2.2 In the event the Agreement is terminated pursuant to Section 2.2.1 above, True North will within thirty (30) days after the effective date of termination refund to Client any fees paid by Client as of the date of termination for the Consulting Services, less a deduction equal to the fees for receipt or use of such Consulting Services up to and including the date of termination on a pro-rated basis.

2.2.3 The foregoing remedy shall not be available unless Client provides written notice to True North of such breach within seven (7) days of knowledge of same.

2.3 Disclaimer of Implied Warranties: EXCEPT FOR THE LIMITED WARRANTY SET FORTH IN THIS SECTION 2, TRUE NORTH MAKES NO WARRANTY WHATSOEVER WITH RESPECT TO THE CONSULTING SERVICES UNDER THE AGREEMENT, INCLUDING ANY (A) WARRANTY OF MERCHANTABILITY; OR (B) WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE; OR (C) WARRANTY OF TITLE; WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OR TRADE OR OTHERWISE.

3.0 SUBCONTRACTED AND OTHER SERVICES

3.1 True North will select reputable subcontractors for certain services ancillary to the Consulting Services hereunder, including but not limited to subsurface drilling, excavations and other explorations, laboratory services, surveys, etc., based on oral or written competitive prices. The subcontractors' invoices shall be billed by True North to Client in accordance with the Agreement. Nothing in this Section 3 shall require that subcontractor services or equipment be obtained through competitive bidding or be available from multiple sources. True North shall not be responsible for the means and methods utilized by its subcontractors.

3.2 On occasion, True North engages the specialized services of individual consultants or other companies to participate in a project. When considered necessary, the cost of such services will be billed to Client in addition to True North's fee schedules set forth in the Agreement.

4.0 SITE ACCESS AND SITE CONDITIONS

4.1 Client shall grant or obtain free access to the site for all equipment and personnel for True North to perform the Consulting Services Client shall notify any and all possessors of the Project site that Client has granted True North free access to the site. True North will take reasonable precautions to limit damage to the site, but it is understood by Client that, in the normal course of work, some damage may occur, and the correction of such damage is not part of the Agreement unless so specified in True North's Proposal. Client is responsible for the accuracy of locations for all subterranean structures and utilities. True North will take reasonable precautions to avoid known subterranean structures, and Client waives any claim against True North, and agrees to defend, indemnify, and hold True North harmless from any claim or liability for injury or loss, including costs of defense, arising from damage done to subterranean structures and utilities not identified or accurately located. In addition, Client agrees to compensate True North for any time spent or expenses incurred by True North in defense of any such claim with compensation to be based upon True North's prevailing fee schedule/expense reimbursement policy set forth in the Proposal.

4.2 Client recognizes that subsurface conditions may vary from those observed at locations where borings, surveys or explorations are made, and that site conditions may change with time. Data, interpretation, and recommendations by True North will be based solely on site information available to True North. True North is responsible for its data, interpretations, and recommendations, but will not be responsible for other parties' interpretations or use of the information developed by True North or any other party. To the extent True North must rely upon data provided by another party, True North will not be liable for any claim of injury or loss arising from such data. Client acknowledges that whenever a project involves hazardous or toxic materials and/or investigations of chemicals in the environment, there are inherent uncertainties involved (such as limitations on laboratory analytical methods, variations in subsurface conditions and the like) that may adversely affect the results of the Project, even though the Consulting Services are performed with skill and care.

5.0 BILLING AND PAYMENT

Invoices shall generally be submitted every four (4) weeks for Consulting Services performed during the previous four (4) weeks. Payment shall be due within thirty (30) days of invoice date. If Client objects to all or any portion of any invoice, Client shall so notify True North in writing within fourteen (14) calendar days of invoice receipt, identify the cause of disagreement, and pay within thirty (30) days that portion of the invoice, if any, not in dispute. The parties will immediately make every effort to settle the disputed portion of the invoice. In the absence of written notification described above, Client shall pay the balance as stated on the invoice. Invoices are delinquent if payment has not been received within thirty (30) days from date of invoice. Client will pay an additional charge of one and one-half percent (1.5%) per month (or the maximum percentage allowed by law, whichever is lower) on any delinquent amount, excepting any portion of the invoiced amount in dispute and resolved in favor of Client. Payment thereafter will first be applied to accrued interest and then to the principal unpaid amount. All time spent and expenses incurred (including any attorneys' fees) in connection with collection of any delinquent amount shall be paid by Client to True North per True North's current fee schedules. In the event Client fails to pay True North within thirty (30) days after invoices are rendered, Client agrees that True North has the right to suspend Consulting Services under the Agreement, without incurring liability to Client, after giving seven (7) days' written notice to Client. Client acknowledges that True North's fee schedules are subject to change on an annual basis without prior notice. Client's payment obligations herein shall not be conditioned on receipt of funds from any third party, including but not limited to insurance carriers, nor assigned to any other party without prior written consent of True North.

6.0 DOCUMENTS AND ELECTRONIC FILES

6.1 Written Documents: Any letters, reports, or documents prepared by True North for Client are the instruments of True North's Consulting Services ("Instruments of Service") and shall remain the sole property of True North until Client has made full payment therefore to True North. The Consulting Services provided by True North are solely for Client's use for the Project and site. Any Instruments of Service prepared by True North for the client shall not, in whole or in part, be disseminated or conveyed to another party, nor used by another party in whole or in part, without prior written consent from True North. Client shall, to the fullest extent permitted by law, waive any claim against True North, and indemnify, defend, and hold True North harmless for any claim or liability for injury or loss (including costs of defense) allegedly arising from any third-party reliance on True North's Instruments of Service without True North's specific authorization to do so.

6.2 Client shall inform True North of any specific third parties or types of third parties that Client believes may ask to rely on True North's Instruments of Service (such parties hereinafter "Authorized Third Parties"), and Client shall not under any circumstances permit such reliance except with True North's express written consent. True North may withhold consent if the third party does not agree, in writing, to: (i) be bound by the terms of this Agreement including, without limitation, any provision limiting True North's liability hereunder, (ii) use such information only for the purposes contemplated by True North in performing its Consulting Services, and (iii) be bound by the qualifications and limitations expressed in the opinions, conclusions, certificate, or report produced as part of the Instruments of Service.

6.3 Electronic Files: Client hereby grants permission for True North to use information and data provided by Client, including electronic records produced or provided by Client in the completion of the Project. Client also grants permission to True North to release True North documents electronically to Client's Authorized Third-Parties as required in the execution of the Project.

6.4 Retention Period: True North shall not be obligated to maintain written documents and electronic files relating to its Consulting Services performed for Client under the Agreement for more than five (5) years following completion of the relevant Consulting Services. Upon request of Client and payment of additional compensation, True North may agree to retain records for a longer time period.

7.0 INSURANCE

True North maintains the following insurance coverages: Workmen's Compensation and Auto, as required by applicable law; Commercial General Liability with limits of $2,000,000 per occurrence and in the aggregate; Pollution Liability with limits of $2,000,000 per occurrence and in the aggregate; Umbrella with limits of $6,000,000. True North will furnish certificates of such insurance upon request. In the event Client desires additional insurance coverages or limits, True North may, upon the Client's written request made prior to the performance of Consulting Services, obtain additional insurance (if possible) at Client's expense.

8.0 ALLOCATION OF RISK

8.1 Limitation of Liability: IN NO EVENT SHALL TRUE NORTH BE LIABLE TO CLIENT OR TO ANY THIRD PARTY FOR ANY LOSS OF USE, REVENUE, OR PROFIT, OR FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, EXEMPLARY, SPECIAL OR PUNITIVE DAMAGES WHETHER ARISING OUT OF BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, REGARDLESS OF WHETHER SUCH DAMAGE WAS FORESEEABLE AND WHETHER OR NOT TRUE NORTH HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND NOTWITHSTANDING THE FAILURE OF ANY AGREED OR OTHER REMEDY OF ITS ESSENTIAL PURPOSE. IN NO EVENT SHALL TRUE NORTH'S AGGREGATE LIABILITY ARISING OUT OF OR RELATED TO THE AGREEMENT, WHETHER ARISING OUT OF OR RELATED TO BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, EXCEED THE AGGREGATE AMOUNTS PAID OR PAYABLE TO TRUE NORTH PURSUANT TO THE AGREEMENT. In the event Client makes a claim against True North for any act arising out of the performance of True North's Consulting Services, and fails to prove such claim, then Client agrees to pay all attorney's fees and other costs incurred by True North in defense of such claim.

8.2 Mutual Indemnification: Client shall indemnify, defend and hold harmless True North and its officers, directors, agents, employees, affiliates, successors and permitted assigns against any and all suits, actions, legal or administrative proceedings, claims, debts, demands, damages, liabilities, interest, attorney's fees, costs and expenses arising from or related to the performance of Consulting Services under the Agreement and attributable to: i) a breach by Client of its obligations hereunder; ii) Client's violation of any applicable federal, state or local laws or regulations; iii) the act or omission or willful misconduct of Client or anyone acting under Client's direction or control. True North shall indemnify, defend and hold harmless Client and its officers, directors, agents, employees, affiliates, successors and permitted assigns against any and all suits, actions, legal or administrative proceedings, claims, debts, demands, damages, liabilities, interest, attorney's fees, costs and expenses arising from or related to the

performance of Consulting Services under the Agreement and attributable to: i) a breach by True North of its obligations hereunder; ii) True North's violation of any applicable federal, state or local laws or regulations; iii) the act or omission or willful misconduct of True North or anyone acting under its direction or control.

9.0 CHANGE ORDERS

9.1 Client and/or True North shall have the right to modify the scope of Consulting Services, specifications and time requirements set forth in the Proposal, along with an equitable adjustment of the cost and fees for such Consulting Services, as deemed appropriate and agreed to by the Parties hereto. Such modification of Consulting Services shall be in writing, attached hereto and incorporated by reference ("Change Order"). Any requests by Client for deviations from the Consulting Services specified in the Proposal involving increased time, costs or expenses to True North shall be performed only upon execution of a Change Order.

10.0 SAFETY/NOTIFICATION OF HAZARDS

Client shall be obligated to notify True North of any applicable site safety procedures or requirements known to Client, as well as the existence or suspected existence of biological pollutants, hazardous materials, oil, or asbestos in the environment, including, but not limited to the air, soil, and water at the site(s) where Consulting Services will be performed. Client shall advise True North immediately of any information which Client receives regarding the existence of any such hazardous materials or conditions at the site(s) which might present a threat to human health and safety or the environment or impact True North's performance of Consulting Services. True North shall not have any responsibility for the safety of others at the site(s) and Client shall remain responsible and with full authority to take corrective measures to address any safety or hazardous conditions at the site(s). If in True North's opinion, its field personnel are unable to access required locations or perform Consulting Services due to unsafe or hazardous conditions, True North will suspend performance of the Consulting Services until such conditions are addressed by Client, or terminate this Agreement in accordance with Section 15 herein, in which event Client shall pay for suspension and termination expenses in accordance with this Agreement.

11.0 BIOLOGICAL POLLUTANTS

True North's scope of Consulting Services, unless specifically outlined in its written scope of Consulting Services, does not include the investigation or detection of the presence of any biological pollutants in or around or concealed at any structure. Client agrees that True North will have no liability for any claim, of whatever kind or nature, alleged to arise from or be caused by the presence of or exposure to any biological pollutants, in or around or concealed at any structure. In addition, Client shall defend, indemnify, and hold harmless True North from any third-party claim for damages alleged to arise from or be caused by the presence of or exposure to biological pollutants in or around or concealed at any structure.

12.0 SITE CONTROL, CONFIDENTIALITY AND DISCLOSURE

True North shall not assume, by virtue of performing Consulting Services on or near the site, the responsibility or liability for any aspect or condition of the site that may now or later exist to be discovered. In particular, True North shall not assume the responsibility to report to any governmental or regulatory agency the existence of any conditions of the site that may present a threat to human health, safety or the environment. True North will not intentionally divulge information regarding this Agreement, True North's Consulting Services or any Instruments of Service, and which is not in the public domain, except to Client or those whom Client designates. Notwithstanding the foregoing, Client understands that True North will comply with judicial orders and applicable laws and regulations regarding the reporting to the appropriate public agencies of potential dangers to the public health, safety or the environment.

13.0 RCRA/CERCLA COMPLIANCE

Nothing contained in these Terms or the Agreement shall be construed or interpreted as requiring True North to assume the status of a operator, arranger, generator, storer, treater, transporter, or disposal facility within the meaning of the Comprehensive Environmental Compensation and Liability Act, 42 U.S.C.A. 9601, et seq., or the Resource Conservation and Recovery Act,42 U.S.C.A. 6901, et seq., as amended, or within the meaning of any similar Federal, State, or local regulation or law.

14.0 DELAYS

Delays not the fault of True North or its subcontractors shall result in an extension of the schedule equivalent to the length of delay. If such delays result in additional costs to True North, the total Project cost shall be equitably adjusted by the amount of such additional costs and set forth in an agreed upon Change Order. For purposes of this Agreement, such circumstances include, but are not limited to: unusual weather; floods; epidemics; wars; riots; strikes; lockouts or other industrial disturbances; protest demonstrations; unanticipated site conditions; inability (despite reasonable diligence) to supply personnel, equipment, or material to the project; or the action or inaction of government. Should such circumstances transpire, Client and True North shall exert a best effort to overcome the resulting difficulties and resume performance of the Services as soon as reasonably possible. Delays within the scope of this provision that cumulatively exceed forty-five (45) calendar days shall, at the option of either party, make this Agreement subject to renegotiation or termination.

15.0 TERMINATION

Client may terminate this Agreement for convenience without penalty, by providing written notice to True North. Client or True North may terminate the Agreement for cause. The party initiating termination shall so notify the other party, and termination shall become effective fourteen (14) calendar days after receipt of the termination notice. Irrespective of which Party effects termination or the cause thereof, Client shall, within thirty (30) calendar days from receipt of True North's termination invoice, pay True North's fees for Services satisfactorily rendered and costs incurred, in accordance with the applicable Fee Schedule. Client shall pay True North for costs reasonably stemming from termination and post-termination activities including, but not limited to, demobilization, equipment decontamination and/or disposal, and disposal and replacement of contaminated consumables.

N

16.0 DISPUTE RESOLUTION; CHOICE OF FORUM

If any claims or disputes arise between Client and True North related to the Consulting Services provided by True North or out of or related to this Agreement, the parties shall endeavor to reach resolution through good faith direct discussions between representatives of the parties with authority to resolve the matter. If direct discussions do not result in resolution of the matter, the matter shall be submitted to non-binding mediation as a condition precedent to the institution of legal or equitable proceedings by either party. The cost of the mediation shall be shared equally by the parties, with each party responsible for its own legal or other costs. Any claims arising out of or relating to the Consulting Services provided by True North and/or the relationship between True North and Client shall be asserted only in the state or federal courts located in Cook County or DuPage County, Illinois. Client hereby unconditionally consents to the jurisdiction and venue of said courts. The prevailing party in any such litigation shall be entitled to recover its costs of defense, including reasonable attorneys' fees.

17.0 MISCELLANEOUS

17.1 Governing Law: These Terms and all matters arising out of, or related to, the Consulting Services by True North to Client and/or the relationship between True North and Client shall be deemed to have been made and governed by the substantive laws of the State of Illinois, without regard to its choice-of-law or conflict-of-laws provisions.

17.2 Severability: If any term or provision of these Terms is found to be invalid or unenforceable, the remaining portion of these Terms shall remain in effect, provided that if such invalid or unenforceable portion is an essential part of these Terms, the parties will immediately begin negotiations for a replacement provision consistent with the intent and purpose of these Terms.

17.3 Entire Agreement: The terms contained in the attached Proposal and these Terms comprise the entire Agreement between True North and Client concerning the subject matter hereof, and supersede all prior and contemporaneous understandings, agreements, representations and warranties, both written and oral, regarding such subject matter. No modification, amendment, rescission, waiver or other change of this Agreement or any part thereof shall be binding on True North unless agreed in writing by an authorized officer of True North.

17.4 All Rights Reserved: All rights and remedies of True North provided in these Terms are cumulative and not exclusive, and the exercise by True North of any right or remedy does not preclude the exercise of any other rights or remedies that may now or subsequently be available at law, in equity, by statute, or in any other agreement between the parties.

17.5 No Assignment: The rights and responsibilities of Client hereunder may not be assigned to any third-party without the written consent of True North.

17.6 Waste Manifests: If during remedial construction activities waste manifests are required, Client shall provide an authorized person to sign manifests or agrees to provide True North with a written limited power of attorney to sign manifests.

17.7 Notice: All notices, requests, demands or claims hereunder shall be in writing. Any notice, request, demand or claim shall be deemed duly given if (and then 2 business days after) it is sent via registered or certified mail, return receipt requested, postage prepaid, and addressed to the designated address of the respective Party. Notice shall be deemed given upon receipt of any notice served personally, via email with receipt of delivery or via express courier with receipt of delivery.

17.8 True North shall not be obligated to begin the performance of the Consulting Services until the Proposal and these Terms and Conditions are signed by Client.

IN WITNESS WHEREOF, the Client, by its duly authorized representative, has executed this Agreement which becomes effective on the date signed by Client's authorized officer or representative as shown below.

AGREED TO AND ACCEPTED BY:

CLIENT: _____

BY: _____

TITLE: _____

DATE: _____

END OF TERMS AND CONDITIONS
REVISED: April 2024

rubino
ENGINEERING INC.

November 6, 2024

To: Kristin R. Kalitowski, P.E.
Civiltech Engineering, Inc.
Two Pierce Place, Suite 1400
Itasca, IL 60143
P: 630.735.3369

Re: Proposal - Geotechnical Exploration
Proposed Windsor Drive Road Diet and Resurfacing
Arlington Heights, Illinois

Proposal No. Q24.550g

Via email: kkalitowski@civiltechinc.com

Dear Ms. Kalitowski,

Rubino Engineering, Inc. (Rubino) is pleased to submit the following proposal to provide geotechnical engineering services for the above referenced project. Rubino received a request for proposal from Kristin R. Kalitowski, P.E. of Civiltech Engineering, Inc. via email on November 4th, 2024.

PROJECT UNDERSTANDING

Rubino understands that Civiltech Engineering, Inc. is aiding the Village of Arlington Heights with a resurfacing project along Windsor Drive. The project includes approximately 1.1 miles of Windsor Drive from Dryden Avenue/Jane Avenue to south of Hintz Road, excluding the Palatine Road Intersection.

Information received:

- RFP email from Kristin R. Kalitowski, P.E. of Civiltech Engineering, Inc. on November 4, 2024.
- "2024-10-17 Windsor Drive Road Diet and Resurfacing" included in RFP email

Field Services Scope of Services Summary

Additional Scope discussion can be found in subsequent pages of this proposal

Client Notification Needed prior to mobilization	Please notify Rubino if this is needed upon project authorization
Traffic Control Needs	Attenuator Truck or Arrow Board
Location Plan	See below for aerial / KMZ
Patching	Concrete

Pavement Coring

To obtain data to evaluate subsurface conditions within the proposed pavement reconstruction areas, Rubino proposes to perform the pavement core with a Milwaukee Drill and a two foot diamond-bit core barrel in the pavement core locations.

NUMBER OF CORES W/SUBBASE THICKNESS DETERMINATION	MAX DEPTH	LOCATION
12	2 feet below pavement surface	~500 ft spacing in alternating lanes of Windsor Drive

*BEG = below existing grade

Should any of the information on which this proposal has been based, including as described above, be inconsistent with the planned construction, Rubino requests to be contacted immediately in order to make any necessary changes to this proposal and scope of work.

SCOPE OF SERVICES DISCUSSION

The following sections outline the scope of services developed based on the information provided by the client and the information listed above in order to provide a geotechnical exploration the planned project. The exploration will be performed in general accordance with both the requested proposal information and Rubino's current understanding of the project.

Site Access

Based on current site topography, surface conditions, and project discussions, Rubino anticipates that the proposed core locations will be within existing paved areas and will therefore be accessible to a pickup truck.

Traffic Control

Rubino anticipates that traffic control will be necessary along Windsor Drive. Rubino will subcontract a traffic control company or provide an in-house arrow board.

Core Locations

Rubino will locate the cores in the field by measuring distances from known, fixed site features.

Completion of Cores

Upon completion of sampling, the cores will be backfilled and capped with Quikrete. Some damage to ground surface may result from the coring operations near the work areas and along ingress/egress pathways. Rubino will attempt to minimize such damage, but no restoration other than backfilling the core holes are included.

It should be noted that over time, some settlement may occur in the core hole or the patch may be damaged by traffic or snow plows. If Rubino is requested to return to the site for the purpose of filling any holes that may have settled, additional time and material charges may apply.

CORE REPORT

Upon completion of field and laboratory work, Rubino will prepare a **Core Summary Report** using the collected data. The report will include the following:

- *Summary of client-provided project information and report basis*
- *Core Location Plan*
- *Photo documentation of field conditions and core specimens*
- *Subbase stone thickness*

An electronic copy of the report will be provided. The report will be addressed to Civiltech Engineering, Inc..

PROJECT SCHEDULE

Rubino proposes to initiate work on this project within 5 working days after receiving written authorization to proceed and we will follow the schedule below in order to complete the project:

Task	Number of Working Days
Field work including site layout and coring	5 – 10
Preparation of the Field Report	5 – 10

Project schedules can be affected by weather conditions and changes in scope. If the report needs to be delivered by a specific day, please notify us as soon as possible. Preliminary verbal recommendations can be made to appropriate parties upon completion of the field investigation and laboratory testing. Rubino will need to receive a signed copy of this proposal intact prior to mobilizing the drill rig.

UTILITY LOCATE AND OUTSIDE SERVICES

Rubino will coordinate contacting the Utility "One-Call" for public utility clearance prior to the start of drilling activities. It is Rubino's experience that this service does not mark the locations of privately owned utilities. This proposal is based on privately owned utility locates being coordinated by the owner prior to drill rig mobilization.

FEES

Rubino proposes to charge the fee for performance of the outlined scope of services on a lump-sum basis. Based on the scope of services outlined above, the lump-sum fee will be:

Task	Unit Rate x Qty	Unit	Total
Site Layout	$ 600	Per trip	$ 600.00
Traffic Control	$ 1,800	Per Day	$ 1,800.00
Pavement Cores	$ 240 x 12	Per core	$ 2,880.00
Report Preparation	$ 800	Lump sum	$ 800.00
		Grand Total	$6,080.00

Please see the attached fee schedule for additional unit rates for services requested after issuing the geotechnical report (drawing / spec review, scope or site layout change, etc.).

Scope Limitations

Project services do not include a site evaluation to determine the presence or absence of wetlands, hazardous substances, or toxic materials.

AUTHORIZATION

If this proposal is acceptable to you, Rubino will perform the work in accordance with the attached General Conditions that are incorporated into and made a part of this proposal. Please sign below as notice to proceed and return one copy of this proposal intact to our office. Rubino will proceed with the work upon receipt of authorization.

Rubino appreciates the opportunity to offer our services for this project and we look forward to working with your company. Please contact Rubino with questions pertaining to this proposal or requests for additional services.

Respectfully submitted,

RUBINO ENGINEERING, INC.

Michelle A. Lipinski, PE
President

Anthony T. Tomaras
Project Manager

RUBINO ENGINEERING, INC. IS:
AN AASHTO-ACCREDITED LABORATORY
IDOT PREQUALIFIED
IDOT DBE-CERTIFIED (100% WOMAN-OWNED)

MAL/file

Attachments: Proposal Acceptance and Data Sheet
Schedule of Services and Fees
General Conditions

**This is an electronic copy. Hard Copies of this proposal are available upon request.

PROPOSAL ACCEPTANCE:

AGREED TO, THIS _____ **DAY OF** _____ **, 202__.**

BY *(please print)*: _____

TITLE: _____

COMPANY: _____

SIGNATURE: _____

PROJECT INFORMATION:

1. Project Name: _____
2. Project Location: _____
3. Your Job No: _____ Purchase Order No.: _____
4. Project Manager: _____ Telephone No.: _____
5. Site Contact: _____ Telephone No.: _____
6. Number and Distribution of Reports:

( ) Copies To: _____ ( ) Copies To: _____

Attn: _____ Attn: _____

Email: _____ **Email:** _____

( ) Copies To: _____ ( ) Copies To: _____

Attn: _____ Attn: _____

Email: _____ **Email:** _____

7. Invoicing Address: _____

Attn: _____

Email: _____

8. Other Pertinent Information Or Previous Subsurface Information Available:

_____

_____

Rubino Engineering, Inc.
2024 Schedule of Geotechnical Services & Fees

ENGINEERING

Professional and Technical Services for site evaluation, field supervision, analysis of test data and engineering recommendations and consultation:

Principal Engineer	Per Hour	$	185.00
Project Engineer/Manager	Per Hour	$	135.00
Engineering Field Technician / Field Engineer / Field Geologist	Per Hour	$	115.00

SUBSURFACE EXPLORATION

Mobilization and moving of truck-mounted drilling equipment and crew (50-mile radius)	Per Trip	$	650.00
Hourly Rate Drilling	Per Hour	$	475.00
Thin Wall Tubes (ASTM D-1587)	Each	$	50.00

FEE REMARKS

1) All fees and services are provided in accordance with the attached Rubino General Conditions.
2) Unit prices/rates are in effect for 12 months from the date of this proposal and are subject to change without notice thereafter.
3) Overtime rates are applicable for services performed in excess of 8 hours per day Monday through Friday, before 8:00 AM or after 5:00 PM, and for all hours worked on Saturdays, Sundays and holidays. The overtime rate is 1.5 times the applicable hourly rate.
4) All rates are billed on a portal-to-portal basis.
5) Standby time due to delays beyond Rubino's control will be charged at the applicable hourly rate.
6) Transportation and per diem are charged at the applicable rates.
7) Rates involving mileage (including transportation, mobilization, vehicle and trip charges) are subject to change based upon increases in the national average gasoline price.
8) A minimum charge of 4 hours applies to field testing and observation services.
9) Scheduling or cancellation of field testing and observation services is required no less than the working day prior to the date the services are to be performed. Services cancelled without advance and/or inadequate notice will be assessed a minimum charge of 4 hours.
10) For all Rubino services, a project management/engineering review charge will be billed for all reports issued for the scheduling/supervision of personnel and the evaluation/review of data and reports.
11) The minimum billing increment for time is a half hour.
12) A project set-up charge of a minimum of two hours applies to all projects.
13) Professional services rates are exclusive of expert deposition or testimony time.
14) Drilling and field service rates are based on OSHA Level D personnel protection.
15) For sites where drilling is to occur that are not readily accessible to a truck mounted drill rig, rates for rig mobility, site clearing, crew stand-by time, etc. will be charged as applicable.
16) If applicable the prevailing wage fees charged under this agreement will be adjusted if there is any change in the applicable prevailing wage rate established by the Illinois Department of Labor.
17) Services and fees not listed on this schedule may be quoted on request.

Client#: 1171577 RUBINENG

ACORD. **CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY): 9/06/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Laurie Cloninger
USI Ins Srvcs LLC Euclid-Prof 2021 Spring Road, Suite 100 Oak Brook, IL 60523 312 442-7200	PHONE (A/C, No, Ext): 630 625-5219 FAX (A/C, No): 610 537-4939 E-MAIL ADDRESS: AEcertificates@usi.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: RLI Insurance Company	13056
INSURER B: Pacific Insurance Company, Limited	10046
INSURER C:	
INSURER D:	
INSURER E:	
INSURER F:	

INSURED
Rubino Engineering, Inc.
425 Shepard Dr
Elgin, IL 60123

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC OTHER:			PSB0003777	09/01/2024	09/01/2025	EACH OCCURRENCE	$1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	$1,000,000
							MED EXP (Any one person)	$10,000
							PERSONAL & ADV INJURY	$1,000,000
							GENERAL AGGREGATE	$2,000,000
							PRODUCTS - COMP/OP AGG	$2,000,000
								$
A	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY X HIRED AUTOS ONLY SCHEDULED AUTOS X NON-OWNED AUTOS ONLY			PSA0001881	09/01/2024	09/01/2025	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
							BODILY INJURY (Per person)	$
							BODILY INJURY (Per accident)	$
							PROPERTY DAMAGE (Per accident)	$
								$
A	UMBRELLA LIAB X OCCUR X EXCESS LIAB CLAIMS-MADE DED RETENTION $			PSE0002142	09/01/2024	09/01/2025	EACH OCCURRENCE	$5,000,000
							AGGREGATE	$5,000,000
								$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N Y If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		PSW0002789	09/01/2024	09/01/2025	X PER STATUTE OTH-ER	
							E.L. EACH ACCIDENT	$1,000,000
							E.L. DISEASE - EA EMPLOYEE	$1,000,000
							E.L. DISEASE - POLICY LIMIT	$1,000,000
B	Professional Liability			83OH056719924	09/01/2024	09/01/2025	$2,000,000 each claim / $4,000,000 annual aggr.	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Professional Liability is written on a 'claims made' policy form.
Some or all officers are excluded from Workers Compensation coverage.

CERTIFICATE HOLDER
Rubino Engineering, Inc.
425 Shepard Dr.
Elgin, IL 60123

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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ACORD 25 (2016/03) 1 of 1 #S4612824O/M46082929

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DBDZP

GENERAL CONDITIONS

1. PARTIES AND SCOPE OF SERVICES: Rubino Engineering, Inc. shall include said company or its particular division, subsidiary or affiliate performing the services. "Services" means the specific geotechnical, analytical, testing or other service to be performed by Rubino Engineering, Inc. as set forth in Rubino Engineering, Inc.'s proposal, Client's acceptance thereof and these General Conditions. Additional services ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the services to be done by Rubino Engineering, Inc. If Client is ordering the services on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said services. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the services ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of Rubino Engineering, Inc.'s services. Rubino Engineering, Inc. shall have no duty or obligation to any third party greater than that set forth in Rubino Engineering, Inc.'s proposal, Client's acceptance thereof and these General Conditions. The ordering of services from Rubino Engineering, Inc., or the reliance on any of Rubino Engineering, Inc.'s work, shall constitute acceptance of the terms of Rubino Engineering, Inc.'s proposal and these General Conditions, regardless of the terms of any subsequently issued document.

2. TESTS AND INSPECTIONS: Client shall cause all tests and inspection of the site, materials and work performed by Rubino Engineering, Inc. or others to be timely and properly performed in accordance with the plans, specifications and contract documents and Rubino Engineering, Inc.'s recommendations. No claims for loss, damage or injury shall by brought against Rubino Engineering, Inc. by Client or any third party unless all tests and inspections have been so performed and unless Rubino Engineering, Inc.'s recommendations have been followed. Client agrees to indemnify, defend and hold Rubino Engineering, Inc., its officers, employees and agents harmless from any and all claims, suits, losses, costs and expenses, including, but not limited to, court costs and reasonable attorney's fees in the event that all such tests and inspections are not so performed or Rubino Engineering, Inc.'s recommendations are not so followed except to the extent that such failure is the result of the negligence, willful or wanton act of omission of Rubino Engineering, Inc., its officers, agents or employees, subject to the limitation contained in paragraph 9.

3. SCHEDULING OF SERVICES: The services set forth in Rubino Engineering, Inc.'s proposal and Client's acceptance will be accomplished in a timely, workmanlike and professional manner by RUBINO ENGINEERING, INC. personnel at the prices quoted. If Rubino Engineering, Inc. is required to delay commencement of the services or if, upon embarking upon its services, Rubino Engineering, Inc. is required to stop or interrupt the progress of its services as a result of changes in the scope of the services requested by Client, to fulfill the requirements of third parties, interruptions in the progress of construction, or other causes beyond the direct reasonable control of Rubino Engineering, Inc., additional charges will be applicable and payable by Client.

4. ACCESS TO SITE: Client will arrange and provide such access to the site as is necessary for Rubino Engineering, Inc. to perform the services. Rubino Engineering, Inc. shall take reasonable measures and precautions to minimize damage to the site and any improvements located thereon as the result of its services or the use of its equipment; however, Rubino Engineering, Inc. has not included in its fee the cost of restoration of damage which may occur. If Client desires or requires Rubino Engineering, Inc. to restore the site to its former condition, upon written request Rubino Engineering, Inc. will perform such additional services as is necessary to do so and Client agrees to pay Rubino Engineering, Inc. for the cost.

5. CLIENT'S DUTY TO NOTIFY ENGINEER: Client represents and warrants that it has advised Rubino Engineering, Inc. of any known or suspected hazardous materials, utility lines and pollutants at any site at which Rubino Engineering, Inc. is to perform services hereunder, and unless Rubino Engineering, Inc. has assumed in writing the responsibility of locating subsurface objects, structures, lines or conduits. Rubino Engineering, Inc. may use such information in performing its services and is entitled to rely upon the accuracy and completeness thereof. Client agrees to defend, indemnify and save Rubino Engineering, Inc. harmless from all claims, suits, loses costs and expenses, including reasonable attorney's fees as a result of personal injury, death or property damage occurring with respect to Rubino Engineering, Inc.'s performance of its work and resulting to or caused by contact with subsurface of latent objects, structures, lines or conduits where the actual or potential presence and location thereof were not revealed to Rubino Engineering, Inc. by Client and/or by any of Client's subcontractors or sub consultants

6. RESPONSIBILITY: Rubino Engineering, Inc.'s services shall not include determining, supervising or implementing the means, methods, techniques, sequences or procedures of construction. Rubino Engineering, Inc. shall not be responsible for evaluating, reporting or affecting job conditions concerning health, safety or welfare. Rubino Engineering, Inc.'s services or failure to perform same shall not in any way excuse any contractor, subcontractor or supplier from performance of its work in accordance with the contract documents. Rubino Engineering, Inc. has no right or duty to stop the contractor's work.

7. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens or samples will be disposed immediately upon completion of the test. All drilling samples or specimens will be disposed sixty (60) days after submission of Rubino Engineering, Inc.'s report.

8. PAYMENT: Client shall be invoiced once each month for services performed during the preceding period. Client agrees to pay each invoice within thirty (30) days of its receipt. Client further agrees to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing with said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay Rubino Engineering, Inc.'s cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees. Rubino Engineering, Inc. shall not be bound by any provision or agreement requiring or providing for arbitration or disputes or controversies arising out of this agreement, any provision wherein Rubino Engineering, Inc. waives any rights to a mechanics' lien, or any provision conditioning Rubino Engineering, Inc.'s right to receive payment for its services upon payment to Client by any third party. These General Conditions are notice, where required, that Rubino Engineering, Inc. shall file a lien whenever necessary to collect past due amounts. Release of such lien shall be given only when payment in full has been received for services duly rendered. Failure to make payment within thirty (30) days of invoice shall constitute a release of Rubino Engineering, Inc. from any and all claims which Client may have, whether in tort, contract or otherwise and whether known or unknown at the time.

9. STANDARD OF CARE: RUBINO ENGINEERING, INC.'S SERVICES WILL BE PERFORMED, ITS FINDINGS OBTAINED AND ITS REPORTS PREPARED IN ACCORDANCE WITH ITS PROPOSAL, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES. IN PERFORMING ITS PROFESSIONAL SERVICES, RUBINO ENGINEERING, INC. WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. RUBINO ENGINEERING, INC. MAKES NO WARRANTIES, EITHER EXPRESS OR IMPLIED, IN CONNECTION WITH ITS SERVICES PROVIDED AS SET FORTH IN ITS PROPOSAL, CLIENT'S ACCEPTANCE THEREOF, AND THESE GENERAL CONDITIONS. STATEMENTS MADE IN RUBINO ENGINEERING, INC. REPORTS ARE OPINIONS BASED UPON ENGINEERING JUDGMENT AND ARE NOT TO BE CONSTRUED AS REPRESENTATIONS OF FACT.

SHOULD RUBINO ENGINEERING, INC. OR ANY OF ITS PROFESSIONAL EMPLOYEES BE FOUND TO HAVE BEEN NEGLIGENT IN THE PERFORMANCE OF ITS WORK, OR TO HAVE MADE AND BREACHED ANY EXPRESSED OR IMPLIED WARRANTY, REPRESENTATION OR CONTRACT, CLIENT, ALL PARTIES CLAIMING THROUGH CLIENT AND ALL PARTIES CLAIMING TO HAVE IN ANY WAY RELIED UPON RUBINO ENGINEERING, INC.'S WORK, AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LIABILITY OF RUBINO ENGINEERING, INC., ITS OFFICERS, EMPLOYEES AND AGENTS SHALL BE LIMITED TO $10,000.00 OR THE TOTAL AMOUNT OF THE FEE PAID TO RUBINO ENGINEERING, INC. FOR ITS WORK PERFORMED WITH RESPECT TO THE PROJECT, WHICHEVER AMOUNT IS GREATER.

NO ACTION OR CLAIM, WHETHER IN TORT, CONTRACT OR OTHERWISE, MAY BE BROUGHT AGAINST RUBINO ENGINEERING, INC., ARISING FROM OR RELATED TO RUBINO ENGINEERING, INC.'S WORK, MORE THAN TWO (2) YEARS AFTER THE CESSATION OF RUBINO ENGINEERING, INC.'S WORK HEREUNDER.

10. INDEMNITY: To the fullest extent permitted by law, Client and Rubino Engineering, Inc. each agree to indemnify the other party and the other party's officers, directors, partners, employees, and representatives, from and against losses, damages, and judgments arising from claims by third parties, including reasonable attorneys' fees and expenses recoverable under applicable law, but only to the extent they are found to be caused by a negligent act, error, or omission of the indemnifying party or any of the indemnifying party's officers, directors, members, partners, agents, employees, subcontractors, or subconsultants in the performance of services under this Agreement. If claims, losses, damages, and judgments are found to be caused by the joint or concurrent negligence of Client and Rubino Engineering, Inc., they shall be borne by each party in proportion to its negligence.

11. TERMINATION: This Agreement may be terminated by either party upon seven (7) days' prior written notice. In the event of termination, Rubino Engineering, Inc. shall be compensated by Client for all services performed up to and including the termination date, including reimbursable expenses and for the completion of such services and records as are necessary to place Rubino Engineering, Inc.'s files in order and/or protect its professional reputation. Failure of Client to make payments when due shall be cause for suspension of services or, ultimately, termination, unless and until Rubino Engineering Inc. has been paid in full all amounts due for services, expenses and other related changes.

12. DISPUTE RESOLUTION: In the event of a dispute arising out of or relating to this Agreement or the services to be rendered hereunder, the Client and Rubino Engineering, Inc. agree to attempt to resolve such disputes in the following manner: 1) The parties agree to attempt to resolve any and all unsettled claims, counterclaims, disputes and other matters in question through direct negotiations between the appropriate representatives of each party; 2) If such negotiations are not fully successful, the parties agree to submit any and all remaining unsettled claims, counterclaims, disputes and other matters in question to mediation in accordance with the Construction Industry Mediation Rules of the American Arbitration Association, effective as of the date of this Agreement.

13. WITNESS FEES: Rubino Engineering, Inc.'s employees shall not be retained as expert witnesses except by separate written agreement. Client agrees to pay Rubino Engineering, Inc.'s legal expenses, administrative costs and fees pursuant to Rubino Engineering, Inc.'s then current fee schedule for Rubino Engineering, Inc. to respond to any subpoena.

14. NO HIRE: Client agrees not to hire Rubino Engineering, Inc.'s employees except through Rubino Engineering, Inc. In the event Client hires a Rubino Engineering, Inc. employee, Client shall pay Rubino Engineering, Inc. an amount equal to one-half of the employee's annualized salary, with Rubino Engineering, Inc. waiving other remedies it may have.

15. HAZARDOUS MATERIALS: Nothing contained within this agreement shall be construed or interpreted as requiring Rubino Engineering, Inc. to assume the status of an owner, operator, generator, storer, transporter, treater or disposal facility as those terms appear within RCRA, CERCLA, or within any Federal or State statute or regulation governing the generation, transportation, treatment, storage and disposal of pollutants. Client assumes full responsibility for compliance with the provisions of RCRA, CERCLA, and any other Federal or State statute or regulation governing the handling, treatment, storage and disposal of pollutants.

16. PROVISIONS SEVERABLE: The parties have entered into this agreement in good faith and it is the specific intent of the parties that the terms of the General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.

17. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.

Rubino Engineering, Inc.

March 27, 2025

Civiltech Engineering Inc.
Two Pierce Place
Suite 1400
Itasca, Illinois 60143

Attn: Kristin Kalitowski, PE

Re: Professional Land Surveying Services
Windsor Drive – Arlington Heights, IL

Dear Ms. Kalitowski,

TWiG will prepare a topographic survey of Windsor Drive from Palatine Road North to 400 feet North of Suffield Drive per the aerial exhibits (C2-C5) provided by your office. Topographic limits will be from back of curb to ROW line on each side of Windsor. All work will be performed per IDOT standards, and will include the following:

- Ground shots on 50 foot grid to include all high and low points
- Establish existing ROW lines (north of Palatine Road)
- Rim and invert elevations on sewers within limits
- Tree locations and sizes within limits
- Location of curb ramps per ramp requirements stated on aerial exhibit (Sheet C1)

TWiG Technologies will also prepare a topographic survey of the existing ramps at the intersection of Lillian Avenue and Windsor Drive, driveway entrance and Windsor Drive and intersection of Dryden Drive, Jane Avenue and Windsor Drive per the ramp survey requirements stated on the aerial exhibit (Sheet C1) provided by your office. Locations of water main, sanitary and storm sewers within rim, invert and pipe sizes will be surveyed along Windsor in specified locations and along Jonquil Circle. The location of water main along the north side of Palatine Road, east of Windsor Drive will be shown.

TWiG will also re-survey the intersection of Palatine and Windsor Road after IDOT construction.
Deliverables:

- CAD (Microstation SS4) base file of the topographic survey

The time frame to complete this project will be approximately five to six (5-6) weeks from written authorization to proceed. Please note this timeframe is based upon weather conditions.

The estimated costs are summarized in the attached cost estimate of consultant services.

Thank you for the opportunity to be part of your team. We look forward to working with you. Please let me know if you should have any questions.

Sincerely,

Kenneth J. Pesavento, PLS

Accepted by:

Signature: _____

Printed name: _____

Title: _____

Date: _____

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Illinois Department of Transportation

EXHIBIT D

COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

FIXED RAISE

Local Public Agency	County	Section Number
	Cook	

Prime Consultant (Firm) Name	Prepared By	Date
Civiltech	Kennth Pesavento	3/26/2025

Consultant / Subconsultant Name	Job Number
TWiG Technologies DBA RT&A	

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

PAYROLL ESCALATION TABLE

CONTRACT TERM	12	MONTHS
START DATE	3/28/2025	
RAISE DATE	1/1/2026	
END DATE	3/27/2026	

OVERHEAD RATE	175.89%
COMPLEXITY FACTOR	0
% OF RAISE	3.00%

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	3/28/2025	1/1/2026	9	75.00%
1	1/2/2026	4/1/2026	3	25.75%

The total escalation = 0.75%

BLR 05514 (Rev. 02/06/25)
ESCALATION

Local Public Agency	County	Section Number
	Cook	

Consultant / Subconsultant Name	Job Number
TWiG Technologies DBA RT&A	

PAYROLL RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

MAXIMUM PAYROLL RATE	90.00
ESCALATION FACTOR	0.75%

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Project Surveyor	$69.46	$69.98
PLS	$63.75	$64.23
Party Chief	$39.50	$39.80
Instrument Operator	$25.00	$25.19
Survey Tech	$34.78	$35.04
Clerical	$21.72	$21.88
Principal	$70.00	$70.53

Local Public Agency

County
Cook

Section Number

Consultant / Subconsultant Name
TWiG Technologies DBA RT&A

Job Number

DIRECT COSTS WORKSHEET

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum			$0.00
Vehicle Owned or Leased	$32.50/half day (4 hours or less) or $65/full day	15	$65.00	$975.00
Vehicle Rental	Actual Cost (Up to $55/day)			$0.00
Tolls	Actual Cost			$0.00
Parking	Actual Cost			$0.00
Overtime	Premium portion (Submit supporting documentation)			$0.00
Shift Differential	Actual Cost (Based on firm's policy)			$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			$0.00
Project Specific Insurance	Actual Cost			$0.00
Monuments (Permanent)	Actual Cost			$0.00
Photo Processing	Actual Cost			$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			$0.00
CADD	Actual Cost (Max $15/hour)			$0.00
Web Site	Actual Cost (Submit supporting documentation)			$0.00
Advertisements	Actual Cost (Submit supporting documentation)			$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			$0.00
Recording Fees	Actual Cost			$0.00
Transcriptions (specific to project)	Actual Cost			$0.00
Courthouse Fees	Actual Cost			$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			$0.00
Utliity Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			$0.00
Testing of Soil Samples	Actual Cost			$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			$0.00
Obtain Sub Plats from recorders ofiice		19	$35.00	$665.00
				$0.00
				$0.00
				$0.00
			TOTAL DIRECT COSTS:	**$1,640.00**

Local Public Agency

County
Cook

Section Number

Consultant / Subconsultant Name
TWiG Technologies DBA RT&A

Job Number

COST ESTIMATE WORKSHEET

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE 175.89%

COMPLEXITY FACTOR 0

TASK	DIRECT COSTS (not included in row totals)	STAFF HOURS	PAYROLL	OVERHEAD & FRINGE BENEFITS	FIXED FEE	SERVICES BY OTHERS	TOTAL	% OF GRAND TOTAL
Research		2	70	123	23		216	0.50%
ROW/PLSS Survey		48	1,560	2,743	515		4,818	11.25%
Topography		192	6,238	10,973	2,059		19,270	45.01%
Computations		35	2,449	4,308	808		7,565	17.67%
Drafting		70	2,453	4,314	809		7,576	17.70%
Review QA/QC		4	280	492	92		864	2.02%
Project Administration		4	280	492	92		864	2.02%
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Subconsultant DL							$0.00	
Direct Costs Total ===>	$0.00						$1,640.00	3.83%
TOTALS		355	13,330	23,445	4,398	-	42,813	100.00%
			36,775					

Local Public Agency

County
Cook

Section Number

Consultant / Subconsultant Name
TWiG Technologies DBA RT&A

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Research			ROW/PLSS Survey			Topography			Computations			Drafting		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Project Surveyor	69.98	43.0	12.11%	8.48										35	100.00%	69.98			
PLS	64.23	0.0																	
Party Chief	39.80	120.0	33.80%	13.45				24	50.00%	19.90	96	50.00%	19.90						
Instrument Operator	25.19	120.0	33.80%	8.51				24	50.00%	12.59	96	50.00%	12.59						
Survey Tech	35.04	72.0	20.28%	7.11	2	100.00%	35.04										70	100.00%	35.04
Clerical	21.88	0.0																	
Principal	70.53	0.0																	
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TOTALS		355.0	100%	$37.55	2.0	100.00%	$35.04	48.0	100%	$32.49	192.0	100%	$32.49	35.0	100%	$69.98	70.0	100%	$35.04

Local Public Agency

County
Cook

Section Number

Consultant / Subconsultant Name
TWiG Technologies DBA RT&A

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 2 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Review QA/QC			Project Administration															
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Project Surveyor	69.98	4	100.00%	69.98	4	100.00%	69.98												
PLS	64.23																		
Party Chief	39.80																		
Instrument Operator	25.19																		
Survey Tech	35.04																		
Clerical	21.88																		
Principal	70.53																		
TOTALS		4.0	100%	$69.98	4.0	100%	$69.98	0.0	0%	$0.00	0.0	0%	$0.00	0.0	0%	$0.00	0.0	0%	$0.00

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Arlington Heights	Civiltech Engineering, Inc.	Cook	22-00218-00-CH

EXHIBIT B
PROJECT SCHEDULE

4/15/2025 - Notice to Proceed
9/1/2025 - Preliminary Plan Submittal
7/24/2026 - Prefinal Plan Submittal
9/28/2026 - Final Plan Submittal
1/15/2027 - Letting

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Arlington Heights	Civiltech Engineering, Inc.	Cook	22-00218-00-CH

Exhibit C
Qualification Based Selection (QBS) Checklist

The LPA must complete Exhibit D. If the value meets or will exceed the threshold in 50 ILCS 510, QBS requirements must be followed. Under the threshold, QBS requirements do not apply. The threshold is adjusted annually. If the value is under the threshold with federal funds being used, federal small purchase guidelines must be followed.

☐ Form Not Applicable (engineering services less than the threshold)

Items 1-13 are required when using federal funds and QBS process is applicable. Items 14-16 are required when using State funds and the QBS process is applicable.

		No	Yes
1	Do the written QBS policies and procedures discuss the initial administration (procurement, management and administration) concerning engineering and design related consultant services?	☐	☒
2	Do the written QBS policies and procedures follow the requirements as outlined in Section 5-5 and specifically Section 5-5.06 (e) of the BLRS Manual?	☐	☒
3	Was the scope of services for this project clearly defined?	☐	☒
4	Was public notice given for this project?	☐	☒

If yes Due date of submittal 10/10/24

Method(s) used for advertisement and dates of advertisement

From 9/20/24 through 10/10/24 the Village advertised this project on the Village website at www.vah.com

5	Do the written QBS policies and procedures cover conflicts of interest?	☐	☒
6	Do the written QBS policies and procedures use covered methods of verification for suspension and debarment?	☐	☒
7	Do the written QBS policies and procedures discuss the methods of evaluation?	☐	☒

Project Criteria	Weighting
Technical Approach	20%
Firm Experience	25%
Staff Capabilities	25%
Work Load Capacity	20%
Past Performance/Local Presence	10%

8	Do the written QBS policies and procedures discuss the method of selection?	☐	☒

Selection committee (titles) for this project

Cris Papierniak, PE, Director or Public Works and Engineering (PW&E), Rob Horne, Assistant with Director of PW&E, Michael Pagones, PE, Village Engineer, Briget Schwab, PE, Senior Civil Engineer

	Top three consultants ranked for this project in order
1	Civiltech Engineering, Inc.
2	Gewalt Hamilton Associates, Inc.
3	Thomas Engineering Group

9	Was an estimated cost of engineering for this project developed in-house prior to contract negotiation?	☐	☒
10	Were negotiations for this project performed in accordance with federal requirements.	☐	☒
11	Were acceptable costs for this project verified?	☐	☒
12	Do the written QBS policies and procedures cover review and approving for payment, before forwarding the request for reimbursement to IDOT for further review and approval?	☐	☒
13	Do the written QBS policies and procedures cover ongoing and finalizing administration of the project (monitoring, evaluation, closing-out a contract, records retention, responsibility, remedies to violations or breaches to a contract, and resolution of disputes)?	☐	☒

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Arlington Heights	Civiltech Engineering, Inc.	Cook	22-00218-00-CH

14	QBS according to State requirements used?	☐	☒
15	Existing relationship used in lieu of QBS process?	☒	☐
16	LPA is a home rule community (Exempt from QBS).	☐	☒

Illinois Department of Transportation

EXHIBIT D

COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

FIXED RAISE

Local Public Agency	County	Section Number
Village of Arlington Heights	Cook	22-00218-00-CH
Prime Consultant (Firm) Name	**Prepared By**	**Date**
Civiltech Engineering, Inc.	Kristin R. Kalitowski, P.E.	3/28/2025
Consultant / Subconsultant Name	**Job Number**	
Civiltech Engineering, Inc.		

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

PAYROLL ESCALATION TABLE

CONTRACT TERM	24	MONTHS
START DATE	3/28/2025	
RAISE DATE	3/29/2025	
END DATE	3/27/2027	

OVERHEAD RATE	126.61%
COMPLEXITY FACTOR	0
% OF RAISE	3.00%

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	3/28/2025	3/29/2025	0	0.00%
1	3/30/2025	3/29/2026	12	51.50%
2	3/30/2026	3/29/2027	12	53.05%

The total escalation = 4.55%

Local Public Agency	County	Section Number
Village of Arlington Heights	Cook	22-00218-00-CH

Consultant / Subconsultant Name	Job Number
Civiltech Engineering, Inc.	

PAYROLL RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

MAXIMUM PAYROLL RATE	90.00
ESCALATION FACTOR	4.55%

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Senior Project Manager	$76.11	$79.57
Project Manager	$63.65	$66.54
Engineer I	$34.78	$36.36
Engineer III	$40.68	$42.53
Engineer IV	$44.10	$46.10
Engineer V	$49.91	$52.18
CAD Technician	$41.75	$43.65
Chief Layout Specialist	$43.50	$45.48
Senior Design Technician	$46.50	$48.61
Visual Designer	$30.00	$31.36
Director of Nature-based Solutions	$80.00	$83.64
Landscape Architect	$77.00	$80.50
Landscape Designer	$32.38	$33.85
Water Resources Manager	$86.00	$89.91
Resident Engineer V	$63.39	$66.27

Local Public Agency	County	Section Number
Village of Arlington Heights	Cook	22-00218-00-CH

Consultant / Subconsultant Name	Job Number
Civiltech Engineering, Inc	

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

NAME	Direct Labor Total	Contribution to Prime Consultant
TWiG Technologies		
Rubino Engineering, Inc.		
True North Consultants		

Local Public Agency
Village of Arlington Heights

County
Cook

Section Number
22-00218-00-CH

Consultant / Subconsultant Name
Civiltech Engineering, Inc.

Job Number

DIRECT COSTS WORKSHEET

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	360	$0.67	$241.20
Vehicle Owned or Leased	$32.50/half day (4 hours or less) or $65/full day			$0.00
Vehicle Rental	Actual Cost (Up to $55/day)			$0.00
Tolls	Actual Cost			$0.00
Parking	Actual Cost			$0.00
Overtime	Premium portion (Submit supporting documentation)			$0.00
Shift Differential	Actual Cost (Based on firm's policy)			$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)	5	$50.00	$250.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			$0.00
Project Specific Insurance	Actual Cost			$0.00
Monuments (Permanent)	Actual Cost			$0.00
Photo Processing	Actual Cost			$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			$0.00
CADD	Actual Cost (Max $15/hour)			$0.00
Web Site	Actual Cost (Submit supporting documentation)			$0.00
Advertisements	Actual Cost (Submit supporting documentation)			$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			$0.00
Recording Fees	Actual Cost			$0.00
Transcriptions (specific to project)	Actual Cost			$0.00
Courthouse Fees	Actual Cost			$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			$0.00
Utliity Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			$0.00
Testing of Soil Samples	Actual Cost			$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			$0.00
Plan Sheets		2524	$0.25	$631.00
Specification Books		6	$20.00	$120.00
Video Count Reduction		1	$410.00	$410.00
				$0.00
			TOTAL DIRECT COSTS:	**$1,652.20**

Local Public Agency
Village of Arlington Heights

County
Cook

Section Number
22-00218-00-CH

Consultant / Subconsultant Name
Civiltech Engineering, Inc.

Job Number

COST ESTIMATE WORKSHEET

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE 126.61%

COMPLEXITY FACTOR 0

TASK	DIRECT COSTS (not included in row totals)	STAFF HOURS	PAYROLL	OVERHEAD & FRINGE BENEFITS	FIXED FEE	SERVICES BY OTHERS	TOTAL	% OF GRAND TOTAL
Data Collection and Early Coordination	651	56	3,029	3,835	1,000	24,070	31,934	9.48%
Field Survey / Preparation of Base Sheets		143	6,910	8,748	2,280	42,813	60,751	18.04%
Phase I Updates		185	9,371	11,865	3,093		24,329	7.23%
Public Involvement		164	8,281	10,485	2,733		21,499	6.39%
Preliminary/Pre-Final PS&E		1120	53,537	67,784	17,667		138,988	41.28%
Submittals	1,001	86	4,068	5,150	1,342		10,560	3.14%
Final PS&E		145	7,407	9,378	2,444		19,229	5.71%
Coordination and Project Administration		103	6,225	7,882	2,054		16,161	4.80%
QA/QC		60	4,459	5,646	1,472		11,577	3.44%
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Subconsultant DL							$0.00	
Direct Costs Total ===>	$1,652.20						$1,652.20	0.49%
TOTALS		2062	103,287	130,773	34,085	66,883	336,680	100.00%
			234,060					

Local Public Agency
Village of Arlington Heights

County
Cook

Section Number
22-00218-00-CH

Consultant / Subconsultant Name
Civiltech Engineering, Inc.

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Data Collection and Early Coordination			Preparation of Base Sheets			Phase I Updates			Public Involvement			Preliminary/Pre-Final PS&E		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Senior Project Manager	79.57	69.0	3.35%	2.66	2	3.57%	2.84	2	1.40%	1.11	4	2.16%	1.72	6	3.66%	2.91	12	1.07%	0.85
Project Manager	66.54	477.0	23.13%	15.39	22	39.29%	26.14	20	13.99%	9.31	42	22.70%	15.11	50	30.49%	20.29	219	19.55%	13.01
Engineer I	36.36	8.0	0.39%	0.14	6	10.71%	3.90	2	1.40%	0.51	0			0			0		
Engineer III	42.53	1,028.0	49.85%	21.20	24	42.86%	18.23	37	25.87%	11.00	49	26.49%	11.26	21	12.80%	5.45	720	64.29%	27.34
Engineer IV	46.10	138.0	6.69%	3.09	0			0			80	43.24%	19.94	58	35.37%	16.31	0		
Engineer V	52.18	47.0	2.28%	1.19	0			3	2.10%	1.09	0			0			40	3.57%	1.86
CAD Technician	43.65	71.0	3.44%	1.50	0			47	32.87%	14.35	0			0			24	2.14%	0.94
Chief Layout Specialist	45.48	8.0	0.39%	0.18	0			8	5.59%	2.54	0			0			0		
Senior Design Technician	48.61	10.0	0.48%	0.24	0			0			10	5.41%	2.63	0			0		
Visual Designer	31.36	29.0	1.41%	0.44	0			0			0			29	17.68%	5.55	0		
Director of Nature-based S	83.64	2.0	0.10%	0.08	2	3.57%	2.99	0			0			0			0		
Landscape Architect	80.50	23.0	1.12%	0.90	0			0			0			0			15	1.34%	1.08
Landscape Designer	33.85	122.0	5.92%	2.00	0			12	8.39%	2.84	0			0			90	8.04%	2.72
Water Resources Manager	89.91	10.0	0.48%	0.44	0			0			0			0			0		
Resident Engineer V	66.27	20.0	0.97%	0.64	0			12	8.39%	5.56	0			0			0		
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TOTALS		2062.0	100%	$50.09	56.0	100.00%	$54.09	143.0	100%	$48.32	185.0	100%	$50.66	164.0	100%	$50.50	1120.0	100%	$47.80

Local Public Agency
Village of Arlington Heights

County
Cook

Section Number
22-00218-00-CH

Consultant / Subconsultant Name
Civiltech Engineering, Inc.

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 2 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Submittals			Final PS&E			Coordination and Project Administration			QA/QC								
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Senior Project Manager	79.57	2	2.33%	1.85	3	2.07%	1.65	2	1.94%	1.55	36	60.00%	47.74						
Project Manager	66.54	14	16.28%	10.83	40	27.59%	18.36	54	52.43%	34.89	16	26.67%	17.74						
Engineer I	36.36	0			0			0			0								
Engineer III	42.53	70	81.40%	34.62	70	48.28%	20.53	37	35.92%	15.28	0								
Engineer IV	46.10	0			0			0			0								
Engineer V	52.18	0			4	2.76%	1.44	0			0								
CAD Technician	43.65	0			0			0			0								
Chief Layout Specialist	45.48	0			0			0			0								
Senior Design Technician	48.61	0			0			0			0								
Visual Designer	31.36	0			0			0			0								
Director of Nature-based Solu	83.64	0			0			0			0								
Landscape Architect	80.50	0			8	5.52%	4.44	0			0								
Landscape Designer	33.85	0			20	13.79%	4.67	0			0								
Water Resources Manager	89.91	0			0			10	9.71%	8.73	0								
Resident Engineer V	66.27	0			0			0			8	13.33%	8.84						
TOTALS		86.0	100%	$47.30	145.0	100%	$51.08	103.0	100%	$60.44	60.0	100%	$74.32	0.0	0%	$0.00	0.0	0%	$0.00

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Ordinance Authorizing Reallocation of Unused Private Activity Bond Volume Cap Allocation

Department: Planning & Community Development

Item Description:

By State Statute, the Village of Arlington Heights must utilize, reserve, or cede its 2025 Home Rule Volume Cap by May 1, 2025, or the authority to allocate this bonding cap will revert to the State of Illinois. The Village is allocated Volume Cap based on $130 per resident of the Municipality for a 2025 total of $9,684,350. At this time, the Village has received no other requests for purchase of our 2025 Volume Cap.

The Village has the opportunity to participate in collaboration with other Illinois municipalities in offering the Assist Homeownership Program. Through the Assist Homeownership Program, income-eligible, credit-worthy home buyers may qualify for the Mortgage Credit Certificate (MCC) program through which participants may receive annual federal income tax credits for the life of the mortgage thereby reducing the annualized cost of debt service. In past years, the Assist Homeownership Program has also offered limited down payment and closing costs assistance, and the program organizers are seeking to reinstate this benefit.

The Village has ceded its Volume Cap for this program many times when there were no other requests for the Volume Cap. In calendar year 2022, the number of Arlington Heights loan originations was 14 with an average mortgage amount of $163,510 with total mortgage loans of $2,289,145.

Unfortunately, in calendar years 2023 and 2024, due to housing market conditions including elevated mortgage interest rates, there were no loan originations for Arlington Heights. It is hoped that loan originations will resume under the Assist Program in 2025. Based on past success of this program, the absence of other requests for the Volume Cap, and the reversion to the State if the Volume Cap is not used, staff recommends ceding the 2025 Volume Cap for the Assist Program.

Only the ceding of the 2025 Volume Cap is required for Village residents to participate in the Assist Program. There are no costs to the Village, and the program is administered by private home mortgage lenders.

RECOMMENDATION

It is recommended that an Ordinance Approving the Transfer of Volume Cap in Connection with Private Activity Bond Issues, and Related Matters, be approved.

ATTACHMENTS:

1. Ordinance Approving Volume Cap Transfer to Town of Normal from Legal 3.31.2025
2. 2025 MCC Flyer

AN ORDINANCE AUTHORIZING
REALLOCATION OF UNUSED PRIVATE ACTIVITY
BOND VOLUME CAP ALLOCATION

WHEREAS, the Village of Arlington Heights is a home rule municipal corporation in accordance with Article VII, Section 6(a) of the Constitution of the State of Illinois of 1970; and

WHEREAS, the Internal Revenue Code of 1986 provides that the amount of private activity bonds which may be issued by the Village as a constitutional home rule unit of local government is equal to its population multiplied by $130.00; and

WHEREAS, the Illinois Private Activity Bond Allocation Act (30 ILCS 345/1 *et seq*.) provides, among other things, that the corporate authorities of any home rule unit may reallocate to a state agency or unit of local government any portion of its unused allocation of private activity bond volume cap; and

WHEREAS, the Village has available its 2025 private activity bond volume cap (*"Unused Volume Cap Allocation"*) and desires to transfer its Unused Volume Cap Allocation to the Town of Normal, in McLean County, Illinois ("*Town of Normal*"), for the issuance by the Town of Normal of single-family mortgage revenue bonds; and

WHEREAS, the Village Board of Trustees has determined that it is in the best interest of the Village and its residents to transfer all of its 2025 volume cap to the Town of Normal, pursuant to this Ordinance;

NOW, THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Ordinance are found to be true and correct and are hereby adopted as part of this Ordinance.

SECTION 2. TRANSFER OF UNUSED VOLUME CAP ALLOCATION. The Village hereby transfers to the Town of Normal the Village's Unused Volume Cap Allocation, in the amount of $9,684,350. The Unused Volume Cap Allocation being reallocated to the Town of Normal must be used for the issuance by the Town of Normal of single-family mortgage revenue bonds.

SECTION 3. MAINTAINING RECORDS. The Village Finance Director is hereby authorized and directed to maintain a proper record of the reallocation for the term of the bonds issued pursuant to the Unused Volume Cap Allocation.

SECTION 4. NOTICE. The Village President is hereby directed to provide notice of the reallocation authorized by this Ordinance to the Office of the Governor.

SECTION 5. SEVERABILITY. If any provision of this Ordinance or part thereof is held invalid by a court of competent jurisdiction, the remaining provisions of this Ordinance are to remain in full force and effect, and are to be interpreted, applied, and enforced so as to achieve, as near as may be, the purpose and intent of this Ordinance to the greatest extent permitted by applicable law.

SECTION 6. EFFECTIVE DATE. This Ordinance will be in full force and effect from and after its passage, approval, and publication in the manner provided by law.

[SIGNATURES ON FOLLOWING PAGE]

AYES:

NAYS:

PASSED AND APPROVED THIS ___ day of _____, 2025.

_____
Village President

ATTEST:

_____
Village Clerk

Assist Homeownership Program

The Assist Mortgage Credit Certificate ("MCC") program sponsored by the Town of Normal reduces the homebuyer's ongoing cost of borrowing by giving them a federal income tax credit of 25% of the annual mortgage interest paid (up to $2,000 per year).

Overview

- Communities join together through an Inter-governmental Cooperation Agreement
- Home rule communities may contribute private activity bond volume cap
- No financial contribution or commitment required from any participant
- Any Illinois municipality can participate

Qualifying Homebuyers

- First-time Homebuyer or Veteran
- Will occupy the home as their residence
- Meet income and purchase price guidelines

Mortgage Credit Certificates

- MCC's are a federally authorized program created as an alternative to tax-exempt housing bonds to reduce effective interest costs for qualifying homebuyers
- MCC's allow the homebuyer to qualify for a federal income tax credit equal to a percentage of the interest paid on their home loan each year
- MCC holders still qualify for a regular deduction of the remaining interest paid on their home loan

	Without MCC	With MCC
Mortgage Amount	$150,000	$150,000
Mortgage Interest Rate	6.00%	6.00%
Monthly Mortgage Payment (first year interest = $8,949.89)	$899.33	$899.33
MCC Rate	N/A	25%
Monthly Credit Amount (25% of $8,949.89 up to $2,000)	N/A	$166.67
"Effective" Monthly Mortgage Payment	$899.33	$732.66

PARTICIPATING COMMUNITIES

Village of Arlington Heights
Village of Bartonville
Champaign County
City of Champaign
City of Decatur
Kendall County
Logan County
Macon County
McLean County
Village of Orland Park
Village of Palatine
City of Peoria
Village of Romeoville
Village of Schaumburg
City of Washington
Village of Wheeling
Will County

INCOME LIMITS*				PURCHASE PRICE LIMITS	
Targeted		Non-Targeted			
1 or 2 People	3 or More	1 or 2 People	3 or More	Targeted	Non-Targeted
$123,480 to $134,520	$144,060 to $156,940	$102,900 to $121,300	$118,335 to $139,495	$624,481	$510,939

PARTICIPATING LENDERS

Compass Mortgage	Fairway Independent Mortgage	First State Mortgage	Guild Mortgage	Nations Lending	Point Mortgage
877-793-9362	773-732-6052	309-664-9100	800-971-3864	773-454-8284	309-287-6773

*Income Limits vary by County. Please see www.MonarchAssist.com for more information.

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Resolution Approving AT&T - Switched Ethernet Service Agreement
Department: Public Works & Engineering

Item Description:
The Village of Arlington Heights presently utilizes fiber networks to manage its numerous phone extensions throughout its Municipal complexes. AT&T is migrating away from how these circuits are managed from the Legacy ASE circuits to a switched Ethernet (Network on Demand) solution. The new service will allow staff to monitor its data use over the existing fiber lines and scale back where appropriate to potentially reduce costs. The transition is inevitable and to encourage timely transitions, AT&T is offering up to a $8,000 credit to make the switch prior to April 31st, 2025. Staff have reviewed the pricing and migration proposal with a consultant and recommend approval.

Funding for telecommunications expenditures are provided within the Public Works and Engineering Account No. 101-7101-522700.

RECOMMENDATION

It is recommended that the Village Board approve the AT&T Switched Ethernet Service Agreement for a 36-month term per the attached Resolution and authorize the Village Manager to execute all necessary documents for such commitment.

ATTACHMENTS:
1. 20250407_AT&T_Switched_Ethernet_Service_Agreement_Resolution and attachment
2. AT&T_NETWORK_ON_DEMAND_CONTRACT_ID_5051516_Village of Arlington Heights

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION APPROVING AN AGREEMENT
WITH AT&T OF DALLAS, TEXAS,
FOR SWITCHED ETHERNET SERVICES

WHEREAS, the Village desires to retain a qualified firm to provide AT&T Switched Ethernet Services Agreement (*"Services"*); and

WHEREAS, the Village has determined that the proposal submitted by AT&T, of Dallas, Texas, (*"Consultant"*), is the most appropriate for the provision of the Services; and

WHEREAS, the Village and Consultant desire to enter into an agreement for the provision of the Services by Consultant (*"Agreement"*); and

WHEREAS, the Village President and Board of Trustees have determined that entering into the Agreement with Consultant will serve and be in the best interest of the Village;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF AGREEMENT. The Board of Trustees hereby approves the Agreement by and between the Village and Consultant, in substantially the form attached to this Resolution as Exhibit A, and in a final form to be approved by the Village Manager and the Village Attorney.

SECTION 3. EXECUTION OF AGREEMENT. The Village Manager and the Village Clerk are hereby authorized and directed to execute and attest, on behalf of the Village, the Agreement upon receipt by the Village Clerk of at least one original copy of the Agreement executed by Consultant; provided, however, that if the executed copy of the Agreement is not received by the Village Clerk within 60 days after the effective date of this Resolution, then this authority to execute and attest will, at the option of the President and Board of Trustees, be null and void.

SECTION 4. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

[SIGNATURE PAGE FOLLOWS]

AYES:

NAYS:

PASSED AND APPROVED THIS ___ day of _____, 20__

_____
Village President

ATTEST:

_____
Village Clerk

EXHIBIT A

AGREEMENT

ABS COMMUNICATIONS

VILLAGE OF ARLINGTON HEIGHTS INC. 1887

Proposed AT&T Switched Ethernet(Classic) Migration to AT&T Switched Ethernet - Network On Demand

Solution Summary/Information		Date Prepared	3/13/2025
Proposed Contract Length (Months)	36	Pricing Valid Through	4/31/2025

One-Time Promotional Activation/Migration Credit of $2,000 Per site - Promotion Valid till 4/31/2025
Total of $8,000 bill credit within 2-3 bill cycles

Existing AT&T Switched Ethernet(Classic) Bandwidth			Proposed Migration to ASE Network On-Demand Bandwidth		
Port Speed(Access)	Product/Solution	Access $ MRC	Port Speed(Access)	Product/Solution	Access $ MRC
1000MB PORT(ACCESS)	AT&T Switched Ethernet(Classic)	N/A	1000MB PORT(ACCESS)	AT&T Switched Ethernet On Demand	$193.05
10GB PORT(ACCESS)	AT&T Switched Ethernet(Classic)	N/A	10GB PORT(ACCESS)	AT&T Switched Ethernet On Demand	$1,260.90

Existing AT&T Switched Ethernet(Classic) Bandwidth			Proposed Migration to ASE Network On-Demand Bandwidth	
Site	Solution	$MRC	Solution	Total $MRC Port + CIR/COS
33 S Arlington Heights Rd	100MB Port - 100MB CIR(Bandwidth) COS: Interactive	$492.00	1000MB Port - 100MB CIR(Bandwidth) COS: Interactive	$613.64
3030 N Arlington Heights Rd	100MB Port - 100MB CIR(Bandwidth) COS: Interactive	$492.00	1000MB Port - 100MB CIR(Bandwidth) COS: Interactive	$613.64
2000 S Arlington Heights Rd	100MB Port - 100MB CIR(Bandwidth) COS: Interactive	$492.00	1000MB Port - 100MB CIR(Bandwidth) COS: Interactive	$613.64
1801 W Central Rd	100MB Port - 10MB CIR(Bandwidth) COS: Interactive	$392.00	1000MB Port - 10MB CIR(Bandwidth) COS: Interactive	$453.15
	Existing AT&T Switched Ethernet(Classic) $MRC	**$1,868.00**	Proposed Total $MRC	**$2,294.07**

Proposed Contract Pricing schedule for all available speeds and COS
Total Solution MRC = Port(Access) + CIR/COS Below

Committed Information Rate (CIR)	Non Critical High	Business Critical Medium	Business Critical High	Interactive	Real-Time
2 Mbps	$81.98	$84.81	$101.77	$120.15	$130.04
4 Mbps	$96.61	$99.45	$116.50	$132.13	$142.06
5 Mbps	$122.96	$128.67	$142.96	$157.27	$168.70
8 Mbps	$162.61	$168.75	$182.56	$194.83	$208.64
10 Mbps	$189.72	$198.90	$229.50	$260.10	$278.46
20 Mbps	$248.69	$260.25	$289.17	$318.09	$341.23
50 Mbps	$291.06	$304.42	$334.12	$363.82	$392.04
100 Mbps	$342.49	$360.50	$390.55	$420.59	$450.63
150 Mbps	$477.86	$501.56	$524.55	$547.15	$587.29
250 Mbps	$544.46	$571.68	$644.27	$716.87	$769.50
400 Mbps	$599.33	$629.56	$700.69	$771.83	$828.74
500 Mbps	$636.45	$668.10	$738.42	$808.75	$868.53
600 Mbps	$728.67	$764.76	$845.53	$902.24	$965.83
1000 Mbps	$826.43	$868.60	$936.06	$1,003.53	$1,076.06
2000 Mbps	$495.78	$510.08	$520.21	$530.34	$551.79
3000 Mbps	$682.92	$706.41	$723.60	$740.80	$777.71
4000 Mbps	$837.94	$870.24	$892.86	$915.47	$967.16
5000 Mbps	$1,007.59	$1,048.83	$1,077.70	$1,106.56	$1,172.54

Class of Service	Latency (one-way)	Jitter	Packet Delivery Rate (PDR)
Real Time	5 ms	3 ms	100.00%
Interactive	13 ms	10 ms	99.95%
Business Critical High	20 ms	N/A	99.90%
Business Critical Medium	30 ms	N/A	99.90%
Non-Critical High	50 ms	N/A	99.50%

1. Promotion Valid till 4/31/2025 | 2. All One-Time Fees waived | 3. Estimated Timeline: 30-45 Days

Village of Arlington Heights - Integrated AT&T Account Executive Team

William(Bill) Rothblott - AT&T Account Executive	wr2511@att.com	(847) 315-0549
Jonathan Fisher - Strategic AT&T Partner AVP - ABS Communications, Inc	Jonathanfisher@abscomm.net	(262) 799-4141

This information is confidential and proprietary to AT&T Inc. and may not be disclosed or forwarded to any other party without the express written consent.

Sales Contact Information
Fisher; Johnathan
2627994141
jonathanfisher@abscomm.net

eSign Fax Cover Sheet

Contract Id: 5051516

To: AT&T Automated Fax Handling Service **From:**

Fax: 877-374-4632 or 877-eSignFax **Total Pages:** 10
(Excluding Fax Cover Sheet)

Or with Copiers / Scanners w/ email, Send To: esign@att.com

To sign via fax:

1. Sign, Title and Date the document where applicable,
2. Fax back documents in the following order:
   I. eSign Fax Cover Sheet for Contract Id: 5051516
   II. All Pages stamped with Contract Id: 5051516
3. If there are additional documents, use the corresponding eSign Fax Cover Sheet(s) as separator(s) and Fax back as in 2.I and 2.II.

(see Picture below)

Request Id: 3273277
Contract Id: 5051516

AT&T MA Reference No. MIS14548672
AT&T PS Contract ID SDNRGB69DA

AT&T SWITCHED ETHERNET℠ SERVICE (with NETWORK ON DEMAND)
PRICING SCHEDULE PROVIDED PURSUANT TO CUSTOM TERMS

Please sign by 03/14/2025

Customer	**AT&T**
Village of Arlington Heights Street Address: 33 S ARLINGTON HEIGHTS RD City:ARLINGTON HEIGHTS State/Province:IL Zip Code: 60005-1403 Country: USA	AT&T Enterprises, LLC
Customer Contact (for Notices)	**AT&T Contact (for Notices)**
Name: Chris Papierniak Title: Director Street Address: 222 N RIDGE AVE City: ARLINGTON HEIGHTS State/Province: IL Zip Code: 60005-1313 Country: USA Telephone: (847) 368-5800 Email: cpapierniak@vah.com	Name: Street Address: City: State/Province: Zip Code: Country: USA Telephone: Email: Sales/Branch Manager: SCVP Name: Sales Strata: : Sales Region: **With a copy (for Notices) to:** AT&T 208 S. Akard Street Dallas, TX 75202 ATTN: Master Agreement Support Team Email: mast@att.com
AT&T Solution Provider or Representative Information (if applicable) ☐	
Name: Jonathan Fisher Company Name: ABS Communications LLC (U) Agent Street Address: 51 E Main City: Norwalk State: OH Zip Code: 44857 Country: USA Telephone: 2627994141 Fax: Email: jonathanfisher@abscomm.net Agent Code: 42412	

This Pricing Schedule for the service(s) identified below ("Service") is part of the Agreement referenced above. Customer requests that its identity be kept confidential and not be publicly disclosed by AT&T or by any regulatory commission, unless required by law.

Customer (by its authorized representative)	**AT&T** (by its authorized representative)
By:	By:
Printed or Typed Name:	Printed or Typed Name:
Title:	Title:
Date:	Date:

For AT&T internal use only:	Contract Ordering and Billing Number (CNUM):

AT&T SWITCHED ETHERNET℠ SERVICE (with NETWORK ON DEMAND)
PRICING SCHEDULE PROVIDED PURSUANT TO CUSTOM TERMS

1. SERVICES

Service	Service Publication Location
AT&T Switched Ethernet Service℠	https://cpr.att.com/pdf/commonEthServGuide.html
AT&T Switched Ethernet Service℠ Third-Party Access (3PA)	https://serviceguidenew.att.com/sg_flashPlayerPage/ASE3PA
AT&T Switched Ethernet Service℠ (TCAL)	https://serviceguidenew.att.com/sg_flashPlayerPage/ASE
Network on Demand	https://cpr.att.com/pdf/publications/NOD_Guide.pdf
AT&T Inside Wiring	https://cpr.att.com/pdf/publications/ASE_Inside_Wiring_Service_Guide_Attachment.pdf
AT&T Entrance Facility Construction	https://cpr.att.com/pdf/service_publications/EFC_Attachment.pdf
AT&T Managed Switched Ethernet on Demand℠	http://serviceguidenew.att.com/sg_flashPlayerPage/AMSEOD

2. PRICING SCHEDULE TERM, EFFECTIVE DATES

Pricing Schedule Term	36 months
Start Date of Minimum Payment Period, per Service Component	Later of the Effective Date or installation of the Service Component
Rate Stabilization per Service Component	Rates as specified in this Pricing Schedule for each Service Component are stabilized until the end of the Pricing Schedule Term

3. MINIMUM PAYMENT PERIOD

Service Components	Percentage of Monthly Recurring Charge Applied for Calculation of Early Termination Charges*	Minimum Payment Period per Service Component
All other Service Components	50% plus any unpaid or waived non-recurring charges	36 months
* Early termination charges shall not exceed the total amount of monthly recurring charges for the remainder of the Minimum Payment Period; refer to Network on Demand Guide for details.		

3.1. Minimum Payment Period – Calculation of Early Termination Charges

For services purchased through Network on Demand, the "Monthly Recurring Charge" used for the purposes of computing any applicable termination liability (early termination charges) under the relevant service publication or the customer's master agreement is determined as follows: (i) the total Monthly Recurring Charges payable for the terminated service for the three months prior to the date of termination (or such shorter period as the terminated service had been installed if terminated less than three months after installation), divided by (ii) the number of days in such period, times (iii) 30 days. The Minimum Payment Period for CIR, CoS, or CIR and CoS Packages are coterminous with the Minimum Payment Period of the associated Customer Port Connection; however, early termination charges are not incurred as a result of changes to CIR, CoS, or CIR and CoS Packages while the associated Customer Port Connection is still in service.

4. ADDS

AT&T Switched Ethernet Service Customer Port Connections may be purchased (where available using the Network on Demand process) during the Pricing Schedule Term at the rates, terms and conditions herein.

5. RATES and CHARGES

5.1. AT&T SWITCHED ETHERNET SERVICE – 21-State AT&T ILEC Footprint

AT&T SWITCHED ETHERNET℠ SERVICE (with NETWORK ON DEMAND)
PRICING SCHEDULE PROVIDED PURSUANT TO CUSTOM TERMS

5.1.1. Monthly Recurring Charges (MRCs)

All Monthly Recurring Charges (MRCs) apply per Customer Port Connection. The total MRC for a Customer Port Connection is the sum of the Customer Port Connection MRC, the Committed Information Rate MRC, and any associated feature MRC(s).

5.1.2 Customer Port Connection MRC

Customer Port Connection		
Port Type	**Customer Port Connection Speed**	**36-month Term MRC**
Basic Port	**100 Mbps**	$193.05
	1 Gbps	$193.05
	10 Gbps	$1260.90
PPCoS Port	**100 Mbps**	$193.05
	1 Gbps	$193.05
	10 Gbps	$1260.90

5.1.2.1. Bandwidth MRC

Bandwidth MRC – 36-month CIR					
	Class of Service (CoS)				
Committed Information Rate (CIR)	**Non Critical High**	**Business Critical Medium**	**Business Critical High**	**Interactive**	**Real Time**
2 Mbps	$81.98	$84.81	$101.77	$120.15	$130.04
4 Mbps	$96.61	$99.45	$116.50	$132.13	$142.06
5 Mbps	$122.96	$128.67	$142.96	$157.27	$168.70
8 Mbps	$162.61	$168.75	$182.56	$194.83	$208.64
10 Mbps	$189.72	$198.90	$229.50	$260.10	$278.46
20 Mbps	$248.69	$260.25	$289.17	$318.09	$341.23
50 Mbps	$291.06	$304.42	$334.12	$363.82	$392.04
100 Mbps	$342.49	$360.50	$390.55	$420.59	$450.63
150 Mbps	$477.86	$501.56	$524.55	$547.15	$587.29
250 Mbps	$544.46	$571.68	$644.27	$716.87	$769.50
400 Mbps	$599.33	$629.56	$700.69	$771.83	$828.74
500 Mbps	$636.45	$668.10	$738.42	$808.75	$868.53
600 Mbps	$728.67	$764.76	$845.53	$902.24	$965.83
1000 Mbps	$826.43	$868.60	$936.06	$1003.53	$1076.06
2000 Mbps	$495.78	$510.08	$520.21	$530.34	$551.79
2500 Mbps	$682.92	$706.41	$723.60	$740.80	$777.71
4000 Mbps	$837.94	$870.24	$892.86	$915.47	$967.16
5000 Mbps	$1007.59	$1048.83	$1077.70	$1106.56	$1172.54
7500 Mbps	$1583.37	$1654.91	$1704.98	$1755.06	$1869.52
9500 Mbps	$2137.59	$2238.30	$2308.80	$2379.29	$2540.43
10000 Mbps	$2220.33	$2325.39	$2398.94	$2472.48	$2640.59

AT&T SWITCHED ETHERNET℠ SERVICE (with NETWORK ON DEMAND)
PRICING SCHEDULE PROVIDED PURSUANT TO CUSTOM TERMS

5.1.2.2. Bandwidth MRC for 100 Mbps

Bandwidth MRC - 36-month CIR (for 100 Mbps Customer Port Connections)				
	Per Packet Class of Service (PPCoS)			
Committed Information Rate (CIR)	Business Data	Critical Data	Multimedia Standard	Multimedia High
2 Mbps	$81.98	$84.81	$120.14	$130.04
4 Mbps	$96.61	$99.45	$132.12	$142.06
5 Mbps	$122.95	$128.67	$157.27	$168.70
8 Mbps	$162.61	$168.75	$194.82	$208.63
10 Mbps	$189.72	$198.90	$260.10	$278.46
20 Mbps	$248.69	$260.25	$318.09	$341.22
50 Mbps	$291.06	$304.42	$363.82	$392.04
100 Mbps	$342.48	$360.50	$420.59	$450.63

5.1.2.3. Bandwidth MRC for 1 Gbps

Bandwidth MRC - 36-month CIR (for 1 Gbps Customer Port Connections)				
	Per Packet Class of Service (PPCoS)			
Committed Information Rate (CIR)	Business Data	Critical Data	Multimedia Standard	Multimedia High
2 Mbps	$81.98	$84.81	$120.14	$130.04
4 Mbps	$96.61	$99.45	$132.12	$142.06
5 Mbps	$122.95	$128.67	$157.27	$168.70
8 Mbps	$162.61	$168.75	$194.82	$208.63
10 Mbps	$189.72	$198.90	$260.10	$278.46
20 Mbps	$248.69	$260.25	$318.09	$341.22
50 Mbps	$291.06	$304.42	$363.82	$392.04
100 Mbps	$342.48	$360.50	$420.59	$450.63
150 Mbps	$477.85	$501.56	$547.15	$587.28
250 Mbps	$544.46	$571.68	$716.87	$769.50
400 Mbps	$599.32	$629.55	$771.82	$828.74
500 Mbps	$636.45	$668.10	$808.75	$868.53
600 Mbps	$728.67	$764.76	$902.24	$965.83
1000 Mbps	$826.43	$868.60	$1003.53	$1076.05

5.1.2.4. Bandwidth MRC for 10 Gbps

Bandwidth MRC - 36-month CIR (for 10 Gbps Customer Port Connections)				
	Per Packet Class of Service (PPCoS)			
Committed Information Rate (CIR)	Business Data	Critical Data	Multimedia Standard	Multimedia High
1000 Mbps	$826.43	$868.60	$1003.53	$1076.05
2000 Mbps	$495.78	$510.08	$530.34	$551.79
2500 Mbps	$682.92	$706.41	$740.80	$777.71
4000 Mbps	$837.94	$870.24	$915.47	$967.16
5000 Mbps	$1007.59	$1048.83	$1106.56	$1172.54
7500 Mbps	$1583.37	$1654.91	$1755.06	$1869.52
9500 Mbps	$2137.59	$2238.30	$2379.29	$2540.43
10000 Mbps	$2220.33	$2325.39	$2472.48	$2640.59

5.1.2.5. Feature MRC

Feature	MRC
Enhanced Multicast	$70.00

5.1.3. Non Recurring Charges (NRCs)

Standard Non-Recurring Charges (NRCs) for installation of new Customer Port Connections, per the applicable Service Publication, will be waived.

5.1.4. Additional Charges

Charges for additional Service options may apply per Service Publication. Charges for special construction, if needed, may also apply.

5.2. AT&T SWITCHED ETHERNET℠ SERVICE THIRD PARTY ACCESS (3PA) - Outside 21-State AT&T ILEC Footprint

5.2.1. Monthly Recurring Charges (MRCs)

All Monthly Recurring Charges (MRC) apply per Customer Port Connection. The total MRC for a Customer Port Connection is the sum of the Third-Party Access connection, local mileage MRC, the bandwidth MRC, and any associated feature MRC(s). Availability, Price Group and Access Mileage Group associated with Third-Party Access are subject to change, based on the availability and pricing of access connections from the third-party providers. The Price Group and Access Mileage Group applicable to each Customer location are determined at the time of Customer's order.

5.2.1.1. Third-Party Local Switched Access Connection MRC

36-month Term - Third-Party Local Switched Access Connection MRC Price Group 1 - 7							
Port Connection Speed	Price Groups						
	Price Group 1	Price Group 2	Price Group 3	Price Group 4	Price Group 5	Price Group 6	Price Group 7
2 Mbps	$208.16	$208.16	$406.79	$224.61	$262.19	$397.66	$397.66
4 Mbps	$219.86	$219.86	$427.66	$237.28	$260.03	$277.41	$277.41
5 Mbps	$246.41	$246.41	$438.27	$261.66	$261.66	$261.66	$438.27
8 Mbps	$284.66	$284.66	$564.83	$300.01	$316.57	$357.65	$357.65

AT&T SWITCHED ETHERNET℠ SERVICE (with NETWORK ON DEMAND)
PRICING SCHEDULE PROVIDED PURSUANT TO CUSTOM TERMS

10 Mbps	$310.76	$310.76	$561.20	$241.28	$312.95	$241.28	$561.20
20 Mbps	$362.06	$362.06	$569.40	$278.92	$351.85	$278.92	$569.40
50 Mbps	$455.36	$455.36	$750.72	$331.74	$457.67	$331.74	$750.72
100 Mbps	$670.20	$670.20	$858.85	$400.72	$541.49	$400.72	$858.85
150 Mbps	$792.00	$792.00	$1155.70	$474.47	$748.76	$1163.56	$1163.56
250 Mbps	$919.37	$919.37	$1119.97	$445.83	$713.02	$4187.41	$4187.41
400 Mbps	$1011.60	$1011.60	$1251.49	$497.73	$641.08	$537.43	$1356.43
500 Mbps	$1049.99	$1049.99	$1320.69	$501.69	$659.09	$501.69	$1320.69
600 Mbps	$1170.00	$1170.00	$1302.02	$666.02	$666.02	$666.02	$1302.02
1000 Mbps	$1179.90	$1179.90	$1318.62	$557.21	$673.66	$608.39	$1318.62
Customer locations may qualify for service but fall outside of the Price Groups in this table. Customer must contact AT&T for custom pricing and sign a separate contract for service to those locations.							

36-month Term - Third-Party Local Switched Access Connection MRC Price Group 8 - 14							
Port Connection Speed	**Price Groups**						
	Price Group 8	**Price Group 9**	**Price Group 10**	**Price Group 11**	**Price Group 12**	**Price Group 13**	**Price Group 14**
2 Mbps	$468.68	$261.66	$406.79	$391.44	$231.47	$578.29	$310.81
4 Mbps	$468.68	$261.66	$427.67	$389.28	$237.28	$578.29	$325.29
5 Mbps	$468.68	$261.66	$441.00	$387.08	$261.66	$578.29	$330.78
8 Mbps	$473.36	$246.73	$564.84	$513.65	$300.01	$693.31	$354.97
10 Mbps	$473.36	$246.73	$566.66	$510.02	$254.08	$693.31	$415.32
20 Mbps	$609.92	$289.82	$580.31	$694.82	$419.68	$808.33	$551.49
50 Mbps	$698.42	$358.24	$777.99	$842.85	$522.93	$984.06	$845.41
100 Mbps	$984.42	$455.26	$913.39	$976.59	$720.65	$1169.37	$930.52
150 Mbps	$1118.84	$755.59	$1155.70	$1380.92	$933.04	$1517.62	$948.39
250 Mbps	$1290.46	$755.59	$1119.97	$1345.19	$897.30	$1517.62	$1035.50
400 Mbps	$1508.91	$755.59	$1574.59	$1593.17	$1081.30	$1750.86	$1045.46
500 Mbps	$1640.93	$774.40	$1593.39	$1557.43	$1045.56	$1750.86	$1050.68
600 Mbps	$1822.55	$993.26	$1629.26	$1740.95	$1229.08	$1984.10	$1006.41
1000 Mbps	$2435.45	$1153.81	$1864.03	$1632.14	$1120.27	$2335.55	$1012.78
Customer locations may qualify for service but fall outside of the Price Groups in this table. Customer must contact AT&T for custom pricing and sign a separate contract for service to those locations.							

36-month Term - Third-Party Local Switched Access Connection MRC Price Group 15 - 21							
Port Connection Speed	**Price Groups**						
	Price Group 15	**Price Group 16**	**Price Group 17**	**Price Group 18**	**Price Group 19**	**Price Group 20**	**Price Group 21**
2 Mbps	$516.88	$231.62	$277.41	$224.61	$344.79	$224.61	$224.61
4 Mbps	$516.88	$244.64	$277.41	$237.28	$344.79	$237.28	$237.28
5 Mbps	$516.88	$274.18	$277.41	$277.41	$344.79	$261.66	$282.46
8 Mbps	$645.48	$316.74	$412.81	$300.01	$357.65	$300.01	$343.87
10 Mbps	$645.48	$345.77	$412.81	$241.28	$357.65	$306.89	$463.39
20 Mbps	$689.33	$402.86	$677.35	$278.92	$420.87	$361.47	$544.23
50 Mbps	$765.16	$506.67	$1283.62	$331.74	$580.40	$490.34	$800.36
100 Mbps	$872.38	$745.72	$1673.13	$400.72	$698.73	$579.28	$928.11
150 Mbps	$1163.56	$881.24	$2284.44	$474.47	$745.91	$662.90	$940.58
250 Mbps	$1163.56	$1022.96	$3538.08	$445.83	$745.91	$654.67	$972.83
400 Mbps	$1163.56	$1125.59	$3538.08	$537.43	$745.91	$602.68	$964.95
500 Mbps	$1292.36	$1168.31	$3955.98	$501.69	$745.91	$580.76	$958.13

AT&T SWITCHED ETHERNET℠ SERVICE (with NETWORK ON DEMAND)
PRICING SCHEDULE PROVIDED PURSUANT TO CUSTOM TERMS

600 Mbps	$1326.89	$1301.83	$5527.12	$666.02	$1059.85	$593.54	$974.75
1000 Mbps	$1478.58	$1312.85	$5527.12	$608.39	$1059.85	$690.75	$1223.10
Customer locations may qualify for service but fall outside of the Price Groups in this table. Customer must contact AT&T for custom pricing and sign a separate contract for service to those locations.							

36-month Term - Third-Party Local Switched Access Connection MRC Price Group 22 - 28							
Port Connection Speed	**Price Groups**						
	Price Group 22	**Price Group 23**	**Price Group 24**	**Price Group 25**	**Price Group 26**	**Price Group 27**	**Price Group 28**
2 Mbps	$224.61	$224.61	$199.08	$199.08	$224.61	$397.66	$224.61
4 Mbps	$237.28	$237.28	$273.73	$273.73	$237.28	$277.41	$268.89
5 Mbps	$261.66	$261.66	$295.06	$295.06	$261.66	$300.01	$312.69
8 Mbps	$300.01	$327.98	$337.72	$337.72	$234.77	$357.65	$352.27
10 Mbps	$285.40	$351.51	$355.50	$355.50	$234.77	$229.07	$355.15
20 Mbps	$346.30	$684.94	$419.49	$419.49	$277.51	$272.02	$489.84
50 Mbps	$428.72	$888.55	$558.13	$558.13	$447.23	$331.74	$560.87
100 Mbps	$508.64	$1439.10	$760.77	$760.77	$577.05	$324.70	$579.65
150 Mbps	$562.48	$3314.07	$888.75	$888.75	$583.39	$1163.56	$740.52
250 Mbps	$595.83	$4676.15	$1020.28	$1020.28	$626.67	$4187.41	$925.58
400 Mbps	$586.57	$4676.15	$1158.93	$1158.93	$626.67	$497.73	$925.58
500 Mbps	$569.24	$5279.52	$1237.14	$1237.14	$640.82	$473.62	$925.58
600 Mbps	$548.51	$5878.80	$1368.67	$1368.67	$631.08	$528.87	$838.29
1000 Mbps	$526.44	$6485.85	$1656.63	$1656.63	$710.32	$480.38	$838.29
Customer locations may qualify for service but fall outside of the Price Groups in this table. Customer must contact AT&T for custom pricing and sign a separate contract for service to those locations.							

36-month Term - Third-Party Local Switched Access Connection MRC Price Group 29 - 30		
Port Connection Speed	**Price Groups**	
	Price Group 29	**Price Group 30**
2 Mbps	$362.70	$680.46
4 Mbps	$393.62	$750.19
5 Mbps	$396.00	$808.08
8 Mbps	$400.50	$908.85
10 Mbps	$405.00	$1021.37
20 Mbps	$495.00	$1251.08
50 Mbps	$636.37	$1529.90
100 Mbps	$809.76	$1947.78
150 Mbps	$883.85	$2250.00
250 Mbps	$1080.00	$3045.70
400 Mbps	$1232.32	$3240.00
500 Mbps	$1262.78	$3627.57
600 Mbps	$1620.00	$4950.00
1000 Mbps	$1799.10	$5072.59
Customer locations may qualify for service but fall outside of the Price Groups in this table. Customer must contact AT&T for custom pricing and sign a separate contract for service to those locations.		

AT&T SWITCHED ETHERNET℠ SERVICE (with NETWORK ON DEMAND)
PRICING SCHEDULE PROVIDED PURSUANT TO CUSTOM TERMS

5.2.1.2. Third-Party Local Switched Access Mileage MRC

36-month Term - Third Party Local Switched Access Mileage MRCs Price Groups				
Port Connection Speed	Mileage A		Mileage B	
	Fixed	Per Mile	Fixed	Per Mile
2 Mbps - 1000 Mbps	N/A	$99.04	N/A	$99.04
Applicability of mileage will be determined during address qualification.				

5.2.1.3. Third-Party Local Dedicated Access Connection MRC

36-month Term - Third_Party Local Dedicated Access Connection MRC Price Groups 1 - 7							
Port Connection Speed	Price Groups						
	Price Group 1	Price Group 2	Price Group 3	Price Group 4	Price Group 5	Price Group 6	Price Group 7
2 Mbps - 50 Mbps	$283.50	$796.50	$796.50	$1080.00	$1485.00	$1845.00	$2205.00
>50 Mbps - 100 Mbps	$378.00	$1188.00	$1188.00	$1350.00	$2700.00	$3600.00	$5895.00
>100 Mbps - 250 Mbps	$378.00	$1188.00	$1188.00	$1350.00	$2700.00	$3600.00	$5895.00
>250 Mbps - 500 Mbps	$430.92	$1620.00	$1620.00	$2475.00	$3150.00	$4140.00	$6300.00
>500 Mbps - 600 Mbps	$567.00	$2788.20	$2788.20	$4050.00	$5085.00	$6480.00	$7020.00
1000 Mbps	$108.63	$3094.20	$1805.67	$4950.00	$6342.78	$8325.00	$8729.29
Customer locations may qualify for service but fall outside of the Price Groups in this table. Customer must contact AT&T for custom pricing and sign a separate contract for service to those locations.							

5.2.1.4. Third-Party Local Dedicated Access Mileage MRC

36-month Term - Third-Party Local Dedicated Access Mileage MRC Price Groups								
Port Connection Speed	Mileage A		Mileage B		Mileage C		Mileage D	
	Fixed	Per Mile	Fixed	Per Mile	Fixed	Per Mile	Fixed	Per Mile
2 Mbps - 50 Mbps	$170.86	$6.07	N/A	N/A	$284.35	$26.20	$284.35	$26.20
>50 Mbps - 100 Mbps	$250.17	$8.12	N/A	N/A	$357.84	$32.59	$357.84	$32.59
>100 Mbps - 250 Mbps	$250.17	$10.16	N/A	N/A	$357.84	$46.01	$357.84	$46.01
>250 Mbps - 500 Mbps	$466.79	$15.27	N/A	N/A	$654.97	$84.99	$654.97	$84.99
>500 Mbps - 600 Mbps	$740.35	$22.36	N/A	N/A	$1009.62	$182.75	$1009.62	$182.75
1000 Mbps	$1166.50	$31.50	$182.11	$92.65	$2163.01	$313.75	$2163.01	$313.75
Applicability of mileage will be determined during address qualification. Mileage charged may be fixed only, per mile only or both and will be determined by the Third-Party location								

AT&T MA Reference No. MIS14548672
AT&T PS Contract ID SDNRGB69DA

AT&T SWITCHED ETHERNET℠ SERVICE (with NETWORK ON DEMAND)
PRICING SCHEDULE PROVIDED PURSUANT TO CUSTOM TERMS

36-month Term - Third-Party Local Dedicated Access Mileage MRC Price Groups						
Port Connection Speed	Mileage E		Mileage F		Mileage G	
	Fixed	Per Mile	Fixed	Per Mile	Fixed	Per Mile
2 Mbps - 50 Mbps	N/A	$55.59	N/A	N/A	N/A	N/A
>50 Mbps - 100 Mbps	N/A	$60.07	N/A	N/A	N/A	N/A
>100 Mbps - 250 Mbps	N/A	$62.62	N/A	N/A	N/A	N/A
>250 Mbps - 500 Mbps	N/A	$88.82	N/A	N/A	N/A	N/A
>500 Mbps - 600 Mbps	N/A	$125.88	N/A	N/A	N/A	N/A
1000 Mbps	N/A	$139.94	N/A	N/A	N/A	N/A
Applicability of mileage will be determined during address qualification. Mileage charged may be fixed only, per mile only or both and will be determined by the Third-Party location						

5.2.1.5. Third-Party Bandwidth MRC

Third-Party Bandwidth MRC — 36-month CIR					
Committed Information Rate (CIR)	Class of Service (CoS)				
	Non Critical High	Business Critical Medium	Business Critical High	Interactive	Real Time
2 Mbps	$50.42	$51.97	$54.58	$57.18	$59.77
4 Mbps	$52.38	$54.00	$56.70	$59.40	$62.10
5 Mbps	$54.34	$56.02	$58.82	$61.63	$64.43
8 Mbps	$55.66	$57.37	$60.25	$63.12	$65.98
10 Mbps	$58.93	$60.75	$63.79	$66.82	$69.87
20 Mbps	$65.47	$67.50	$70.88	$74.25	$77.62
50 Mbps	$104.76	$108.00	$113.40	$118.80	$124.20
100 Mbps	$157.14	$162.00	$170.10	$178.20	$186.30
150 Mbps	$196.42	$202.50	$212.62	$222.75	$232.87
250 Mbps	$229.17	$236.25	$248.07	$259.88	$271.69
400 Mbps	$294.64	$303.75	$318.94	$334.12	$349.32
500 Mbps	$327.37	$337.50	$354.37	$371.25	$388.12
600 Mbps	$392.85	$405.00	$425.25	$445.50	$465.75
1000 Mbps	$491.07	$506.25	$531.57	$556.88	$582.19

5.2.2. Additional Charges

Charges for associated features or additional Service options may apply per Service Publication.

AT&T SWITCHED ETHERNET℠ SERVICE (with NETWORK ON DEMAND)
PRICING SCHEDULE PROVIDED PURSUANT TO CUSTOM TERMS

5.3. AT&T MANAGED SWITCHED ETHERNET ON DEMAND

5.3.1. Monthly Recurring Charges (MRCs)

AT&T Managed Switched Ethernet on Demand-Plus MRC – 36 month		
Managed Router*	**Committed Information Rate (CIR)**	**MRC**
100 Mbps	< 100M	$163.00
	100M	$163.00
1 Gbps	< 100M	$177.00
	100M to 250M	$207.00
	>250M to 500M	$362.00
	>500M to 1G	$375.00
10 Gbps	1G	$459.00
	>1G to 5G	$639.00
	>5G to 10G	$898.00
*Managed Router priced according to ASEoD port capacity.		

6. SPECIAL TERMS, CONDITIONS or OTHER REQUIREMENTS

6.1. Special Conditions for 10 Gbps Customer Port Connections

With respect to 10 Gbps Ports, Customer may use the Business Center Portal to order such Ports, to request and schedule changes to the CIR (subject to the port configurations shown in Attachment A, Table 2) or CoS of such Ports, or to establish or change EVCs associated with such Ports. Real Time Class of Service is not available for EVCs exceeding 1000 Mbps. EVCs exceeding 1000 Mbps are subject to network availability.

End of Document

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Bond Waiver - Good Neighbors Network
Department: Building & Life Safety

Item Description:
Good Neighbors Network is requesting a waiver of the bond requirement for their upcoming raffle taking place on April 28, 2025. Raffle tickets will be sold online all day from April 14th through April 28th, with the winners being determined at the end of the day April 28th.

Value of prizes - $3,000

It is recommended that the Village Board grant a waiver of the bond requirement as requested by the Good Neighbors Network.

ATTACHMENTS:
1. Ltr. Good Neighbors Network Raffle Waiver

Dear Ms. Miller:

On behalf of Good Neighbors Network (GNN), I am writing to respectfully request a waiver of the raffle license fee for our upcoming fundraising event.

GNN is a local nonprofit dedicated to supporting youth and families through educational initiatives, scholarships, and community engagement. We are planning a small online silent auction as part of our 5th Anniversary celebration to raise critical funds that directly benefit our programs and outreach efforts in the Arlington Heights community.

As a 501(c)(3) organization operating with a limited budget, we would deeply appreciate the Village's consideration in waiving the raffle fee to help us maximize the impact of this event. Thank you for your time and ongoing support of community organizations like ours. Please let me know if you need any additional documentation or information.

Sincerely,
YEULANDA DEGALA
Good Neighbors Network
224-836-1676

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Budget Amendment Ordinance for Relocation of Village's Watermain in IDOT R.O.W.

Department: Public Works & Engineering

Item Description:

The Illinois Department of Transportation (IDOT) is planning a project to replace bridges and resurface IL Route 53 from Kirchhoff Road to Anderson Drive. As part of the project, IDOT is installing a 48" storm sewer near Anderson Drive and New Wilke Road that will improve drainage to the area. The Village has two watermains that are in conflict with the proposed drainage improvement. Since Village utilities are in the IDOT R.O.W., the Village is financially responsible for this relocation.

The total cost of the relocation to the Village is currently estimated to be $229,770 as stated in the Intergovernmental Agreement (IGA) which was approved at the March 17, 2025 Village Board Meeting. Since this project was unknown at the time of the budget preparation, the use of contingency funds is being requested in the attached Ordinance.

The attached Ordinance was created and approved by the Finance Department.

RECOMMENDATION

It is recommended that the Village Board approve the attached Ordinance amending the 2025 budget in the amount of $229,800 for the relocation of the Village watermain to accommodate IDOT's installation of a 48" storm sewer.

ATTACHMENTS:

1. WA9001 IDOT IGA WATERMAIN REPL BUDGET AMENDMENT ORDINANCE

AN ORDINANCE AMENDING THE ANNUAL BUDGET OF THE VILLAGE OF ARLINGTON HEIGHTS, COUNTY OF COOK, STATE OF ILLINOIS, FOR THE FISCAL YEAR BEGINNING JANUARY 1, 2025 AND ENDING DECEMBER 31, 2025

WHEREAS, by Ordinance 2024-67, the President and Board of Trustees of the Village of Arlington Heights, Illinois adopted the Annual Budget of the Village of Arlington Heights for the fiscal year beginning January 1, 2025, and ending December 31, 2025; and

WHEREAS, the President and Board of Trustees has determined that it will serve and be in the best interest of the Village to adopt an Ordinance amending the Annual Budget;

NOW, THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: RECITALS. The foregoing recitals are incorporated into, and made a part of, this Ordinance as the findings of the President and Board of Trustees.

SECTION TWO: ADOPTION OF AMENDMENTS. The Annual Budget shall be, and it is hereby, amended as follows:

Account Being Amended		Original Budget	Amendment Incr. / (Decr.)	Revised Budget
505-9901-540960-	Operating Contingency	$300,000	($229,800)	$70,200
505-9001-550250-	WA9001-WATER-CONSTRUCT-WTR Watermain Replacement Program	$4,408,337	$229,800	$4,638,137

SECTION THREE: PUBLICATION. The Village Clerk is hereby directed to publish this Ordinance in pamphlet form pursuant to the Statutes of the State of Illinois.

SECTION FOUR: EFFECTIVE DATE. This Ordinance will be in full force and effect from and after its passage, approval, and publication in the manner as provided by law.

AYES:

NAYS:

PASSED AND APPROVED THIS 7th of April, 2025.

_____
Village President

ATTEST:

_____
Village Clerk

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Appointment of Carla McAleer to the Arts Commission, term ending April 30, 2028
Department: Integrated Services

Item Description:
Appointment of Carla McAleer to the Arts Commission, term ending April 30, 2028

ATTACHMENTS:
None

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Appointment of Kate Schwarz for appointment to the Arts Commission, term ending April 30, 2028.

Department: Integrated Services

Item Description:
Appointment of Kate Schwarz for appointment to the Arts Commission, term ending April 30, 2028.

ATTACHMENTS:
None

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Arlington Heights Park District - 750 W. Northwest Hwy. / Sign Variation - DC#24-069
Department: Planning & Community Development

Item Description:
Requested Action
1. A variation from Chapter 30, Section 30-701 Electronic Message Signs, to allow an electronic message sign facing Northwest Highway, where electronic message signs may only be permitted at designated major arterial commercial corridors.

2. A variation from Chapter 30, Section 30-302.a, to allow a ground sign with a 665-foot separation between ground signs, where 800 feet minimum is required.

3. A variation from Chapter 30, Section 30-203.b, to allow a 10’-5 1/4" tall ground sign, where six feet is the maximum allowed height.

4. A variation from Chapter 30, Section 30-203.b, to allow a 36.2 sf ground sign, where 25 square feet is the maximum allowed size.

5. A variation from Chapter 30, Section 30-705.c, to allow a 32.2 square-foot electronic message sign that is 89% of the total ground sign size, where 33% of the allowable ground sign size (8.25 sf) is the maximum allowed.

6. A variation from Chapter 30, Section 30-705.f, to allow an electronic message sign to be 232 feet from a residential use, where 300 feet is the minimum required separation.

Design Commission Recommendation
A public meeting was held by the Design Commission on December 10, 2024, where Commissioner Kingsley moved and Commissioner Seyer seconded, a motion to recommend to the Village Board of Trustees, approval of the following sign variations for the Arlington Heights Park District electronic sign to be located at 750 W. Northwest Highway:

1. A variation from Chapter 30, Section 30-701 Electronic Message Signs, to allow an electronic message sign facing Northwest Highway, where

electronic message signs may only be permitted at designated major arterial commercial corridors.

2. A variation from Chapter 30, Section 30-302.a, to allow a ground sign with a 665-foot separation between ground signs, where 800 feet minimum is required.

3. A variation from Chapter 30, Section 30-203.b, to allow a 10’-5 1/4" tall ground sign, where six feet is the maximum allowed height.

4. A variation from Chapter 30, Section 30-203.b, to allow a 36.2 sf ground sign, where 25 square feet is the maximum allowed size.

5. A variation from Chapter 30, Section 30-705.c, to allow a 32.2 square-foot electronic message sign that is 89% of the total ground sign size, where 33% of the allowable ground sign size (8.25 sf) is the maximum allowed.

6. A variation from Chapter 30, Section 30-705.f, to allow an electronic message sign to be 232 feet from a residential use, where 300 feet is the minimum required separation.

This recommendation is subject to compliance with the plans received 11/18/24, Federal, State, and Village Codes, regulations, and policies, and the issuance of all required permits, and the following:

1. A requirement that the orientation of the sign be studied to confirm optimal visibility, with consideration to change the sign layout to a V-shaped sign, to be reviewed by Staff.

2. A recommendation that if the sign is changed to a V-shape, then the petitioner could consider simplifying the esthetics of the sign, such as eliminating the arched top, to be reviewed by Staff.

3. The sign variation approvals are contingent upon obtaining Village zoning approval for rezoning the property to P-L Public Lands District, and consolidation with the adjacent Arlington Ridge Center site, which requires amendment of the existing Planned Unit Development (PUD).

4. This review deals with architectural design only and should not be construed to be an approval of, or to have any other impact on, any other zoning and/or land use issues or decisions that stem from zoning, building, signage or any other reviews. In addition to the normal technical review, permit drawings will be reviewed for consistency with the Design Commission and any other Commission or Board approval conditions. It is the architect/homeowner/builder’s responsibility to comply with the Design Commission approval and ensure that building permit plans comply with all

zoning code, building permit and signage requirements.

Roll Call Vote: Commissioners Seyer, Fitzgerald, Kingsley, and Acting Chair Eckhardt voted in favor. Motion carried.

STAFF RECOMMENDATION

Staff recommends approval of the sign variations for the Arlington Heights Park District electronic message sign based on the revised V-shape sign plans dated 2/3/25, and the corresponding revised site and landscape plans dated 2/26/25.

ATTACHMENTS:

1. Staff Memo & V-Shape Sign Plans
2. DC Staff Report - DC24-069
3. Petitioner Letter
4. DC Minutes 12-10-24
5. DC Exhibits 12-10-24
6. Electronic Sign Traffic Data

Village of Arlington Heights

33 South Arlington Heights Road
Arlington Heights, Illinois 60005
847-368-5000
www.vah.com

DATE: **March 28, 2025**

TO: **Emily Rodman, Director of Planning & Community Development**

FROM: **Steve Hautzinger, Design Planner**

RE: **DC:24-069, Arlington Heights Park District Electronic Sign Variations - Update**

On December 10, 2024, the Design Commission reviewed the Arlington Heights Park District sign variation application for a new electronic message sign. The Design Commission **recommended approval** of the proposed sign and variations, with the following conditions:

1. A requirement that the orientation of the sign be studied to confirm optimal visibility with consideration to change the sign layout to a V-shaped sign, to be reviewed by Staff.

2. A recommendation that if the sign is changed to a V-shape, then the petitioner could consider simplifying the aesthetics of the sign, such as eliminating the arched top, for Staff review.

The petitioner studied the sign layout, and per the Design Commission recommendation, they have decided to change the design to a V-shaped layout. However, the petitioner decided not to change the aesthetics of the sign, keeping the arched top as originally submitted.

Staff has reviewed the revised V-shaped sign drawings, and confirmed that the corresponding sign variations are the same as for the original flat, double-sided sign layout.

Staff **recommends approval** of the sign variations for the Arlington Heights Park District electronic message sign based on the revised V-shape sign plans dated 2/3/25, and the corresponding revised site and landscape plans dated 2/26/25.

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

Issues & Revisions		
#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION

North

Scale: 1" = 20'

0 10 20 40 60

Sheet Title

GROUND SIGN TO SIGN EXHIBIT

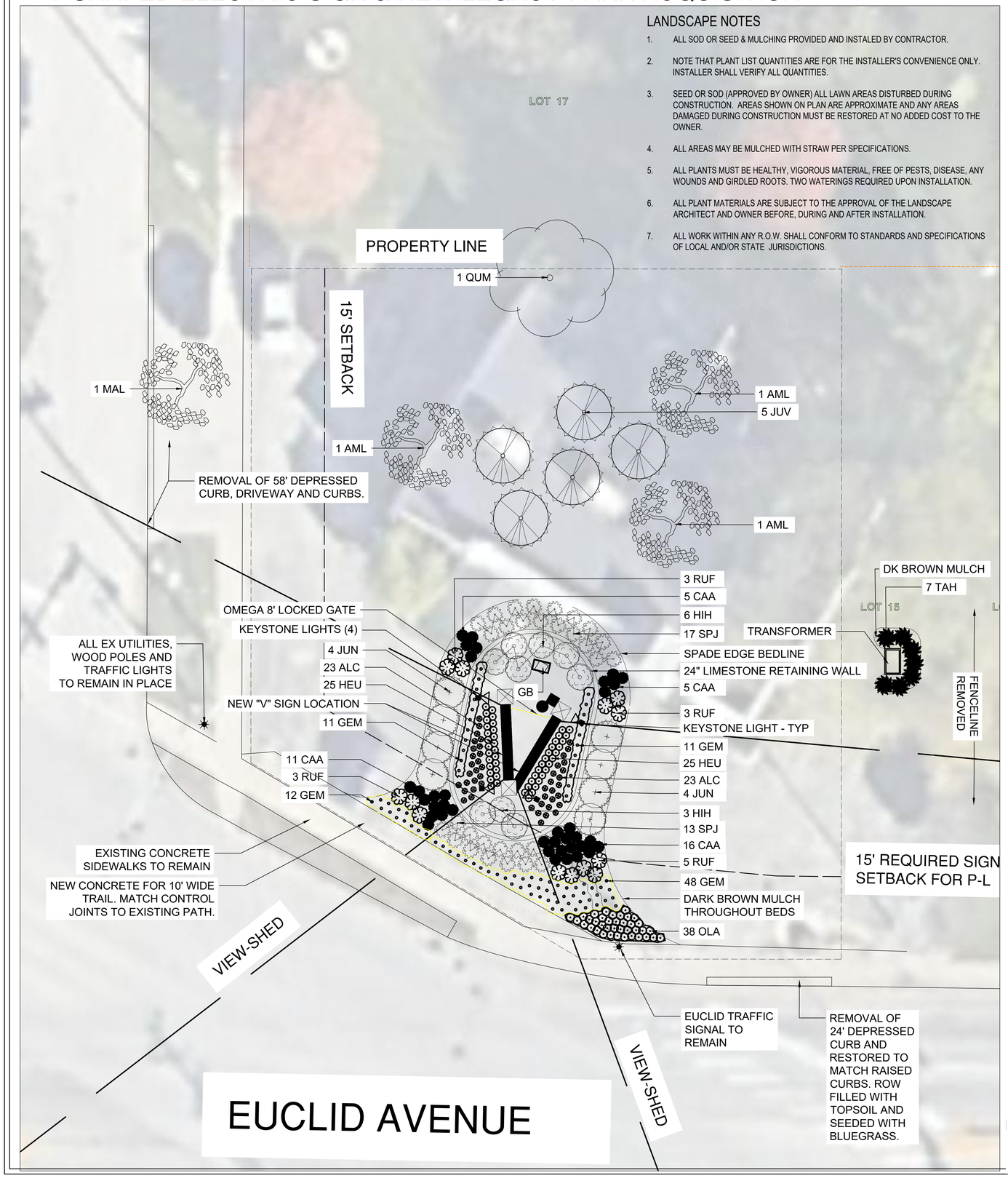
Date: February 26, 2025

ES-4

V-SHAPED ELECTRIC SIGN & NEW LEGACY PARK ACQUISITION

LANDSCAPE NOTES

1. ALL SOD OR SEED & MULCHING PROVIDED AND INSTALED BY CONTRACTOR.
2. NOTE THAT PLANT LIST QUANTITIES ARE FOR THE INSTALLER'S CONVENIENCE ONLY. INSTALLER SHALL VERIFY ALL QUANTITIES.
3. SEED OR SOD (APPROVED BY OWNER) ALL LAWN AREAS DISTURBED DURING CONSTRUCTION. AREAS SHOWN ON PLAN ARE APPROXIMATE AND ANY AREAS DAMAGED DURING CONSTRUCTION MUST BE RESTORED AT NO ADDED COST TO THE OWNER.
4. ALL AREAS MAY BE MULCHED WITH STRAW PER SPECIFICATIONS.
5. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS, DISEASE, ANY WOUNDS AND GIRDLED ROOTS. TWO WATERINGS REQUIRED UPON INSTALLATION.
6. ALL PLANT MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER BEFORE, DURING AND AFTER INSTALLATION.
7. ALL WORK WITHIN ANY R.O.W. SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTIONS.



LANDSCAPE PLANT PICTURES

HILLSPIRE RED CEDAR

SERVICEBERRY

SUGARTYME CRAB

BUR OAK TREE

SPIREA

WILD ONION

CRANESBILL

ROSE MALLOW

WHITE TINGED SEDGE

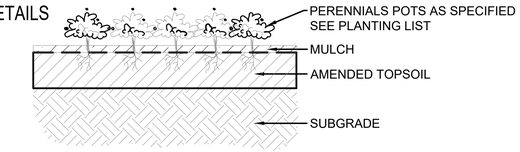
WHITE GOLDENROD

BLACK EYED SUSAN

DWARF JUNIPER

ALUMROOT

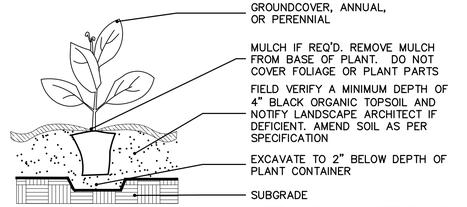
LANDSCAPE DETAILS



SECTION

1 GROUNDCOVER/PERENNIAL/PLANTING LAYOUT

NOT TO SCALE



2 GROUNDCOVER/PERENNIAL/ANNUAL

NOT TO SCALE

Plant Schedule

Legacy Park Electric Sign

Qty.	Symbol	Botanical name	Common name	Size	Notes
		DECIDUOUS TREES			
1	QUM	Quercus macrocarpa	Bur Oak	2 1/2" caliper	B&B
		EVERGREEN TREES			
5	JUV	Juniper virginiana 'Cupressifolia'	Hillspire Eastern Red Cedar	6' Clump	B&B
		ORNAMENTAL TREES			
3	AML	Amelanchier laevis	Allegheny Serviceberry	6' Clump	B&B
1	MAL	Malus 'Sutyzam'	Sugar Tyme Crabapple	2 1/2" Caliper	B&B
		SHRUBS			
9	HIH	Hibiscus 'Holy Grail'	Rose Mallow	5 Gallon	#5
30	SPJ	Spirea japonica 'Tracy'	Double PlayBig Bang Spirea	3 Gallon	#3
7	TAH	Taxus x Media 'Hicksii'	Hicks Yew	5 Gallon	#3
		ORNAMENTAL GRASSES			
37	CAA	Carex albicans	White Tinged Sedge	10 flat	#1
		PERENNIALS			
46	ALC	Allium cernuum	Nodding Wild Onion	1 Gallon	#1
70	GEM	Geranium sanguineum 'Max Frei'	Max Frei Bloody Cranesbill	1 Gallon	#1
50	HEC	Heuchera 'Caramel'	Caramel Alumroot	1 Gallon	#1
38	OLA	Oligoneuron album	White Goldenrod	38 flat	#1
14	RUF	Rudbeckia fulgida var speciosa	Showy Black-eyed Susan	1 Gallon	#1
		EVERGREEN GROUNDCOVER			
8	JUN	Juniper procumbens 'Nana'	Dwarf Japanese Garden Juniper	3 Gallon	#3

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

Date: 7-15-2024
License expires, 8-31-2025

LICENSED LANDSCAPE ARCHITECT
SUSAN ROHNER
157.001778
STATE OF ILLINOIS

Issues & Revisions		
#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION

North

Scale: 1" = 10'

0 5 10 20 30

Sheet Title

ELECTRIC SIGN LANDSCAPE PLAN

Date: February 26, 2025

ES-3

Aerial View 1 - Location 4
V-Shaped sign

Drawn By:

Computer generated colors are not a true match to any PMS, vinyl or paint. Rendering shown is for concept only. Actual scale and placement shown are approximate.

All Signs Shall Be Installed In Accordance With N.E.C. Article 600

Engineering Specifications
All Signs Fabricated as per A.S.A. Specifications & 2018 I.B.C.

Electrical Specifications
All Signs Fabricated as per 2017 N.E.C. Specifications

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Prepared For: Arlington Heights Park District	**Address:** 410 N. Arlington Heights Rd	**Drwg:** 240265	**Sheet:** 4	**Design Date:** 07/02/2024	**LANDLORD APPROVAL SIGNATURE**
Location Name:	**City/State:** Arlington Heights, IL 60004	Rev A:	Rev D:		
		Rev B:	Rev E:		
		Rev C:	Rev F:		

INSTALL INSTRUCTIONS:

Install new monument sign in area shown.

Drawn By: PJ

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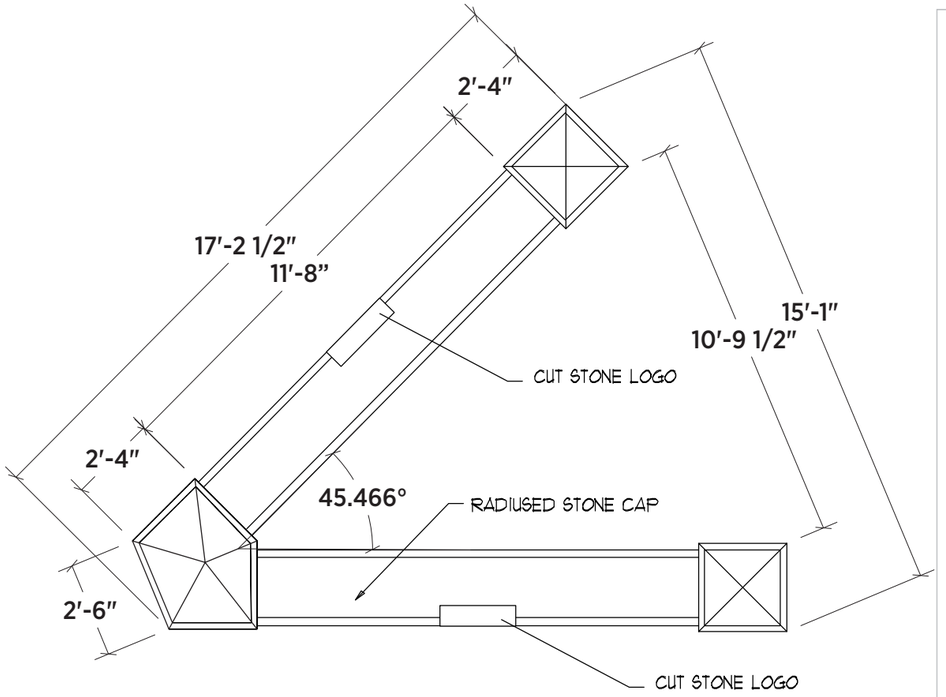
Prepared For: Arlington Heights Park District	**Address:** 410 N. Arlington Heights Rd	**Drwg:** 240265	**Sheet:** 1C-A	**Design Date:** 07/02/2024
Location Name:	**City/State:** Arlington Heights, IL 60004	Rev A: 11/14/2024 - PJ	Rev D:	**LANDLORD APPROVAL SIGNATURE**
		Rev B:	Rev E:	
		Rev C:	Rev F:	

Monument Sign - V Shaped orientation

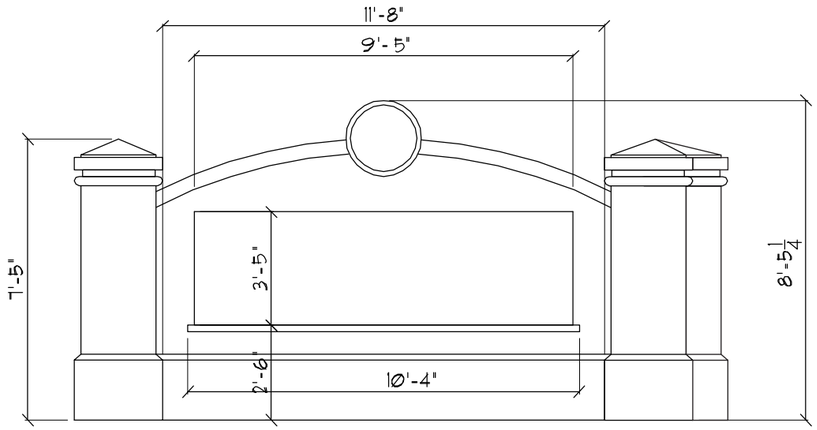
Full masonry + EMC

Final Proposed

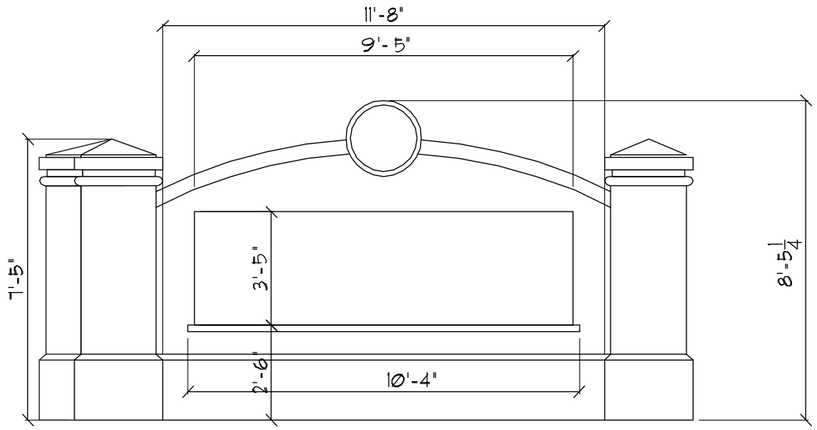
Scale 3/8" = 1'



Plan View



West Elevation



East Elevation

Fabricate and install one (1) V-shape ground sign with actual masonry and two (2) 3' x 9' S/F Watchfire EMC

Materials: Fabricate and install sign of aluminum , masonry and EMC Unit.

EMC Cabinet Size: 41in H x 9ft 3in L x 5in D
Viewing Area: 36in H x 9ft L

Finish: All exposed metal surfaces to be coated with acrylic polyurethane.

SCALE 1/4"=1'

Drawn By: PJ

Masonry	-----
EMC Readerboard Unit	------
Aluminum Cabinet (EMC Housing) - Black	Paint

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All Signs Shall Be Installed In Accordance With N.E.C. Article 600

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Electrical Specifications
All Signs Fabricated as per 2017 N.E.C. Specifications

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Prepared For: Arlington Heights Park District

Address: 410 N. Arlington Heights Rd

Location Name:

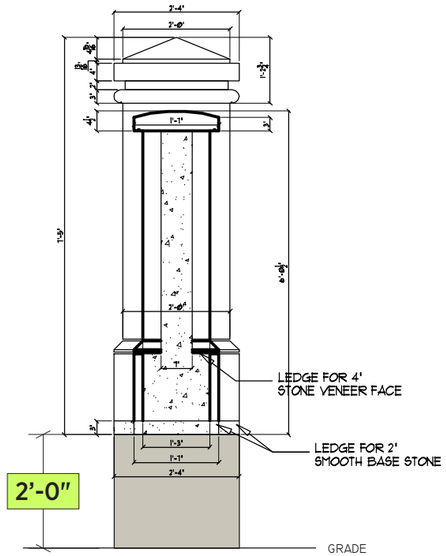
City/State: Arlington Heights, IL 60004

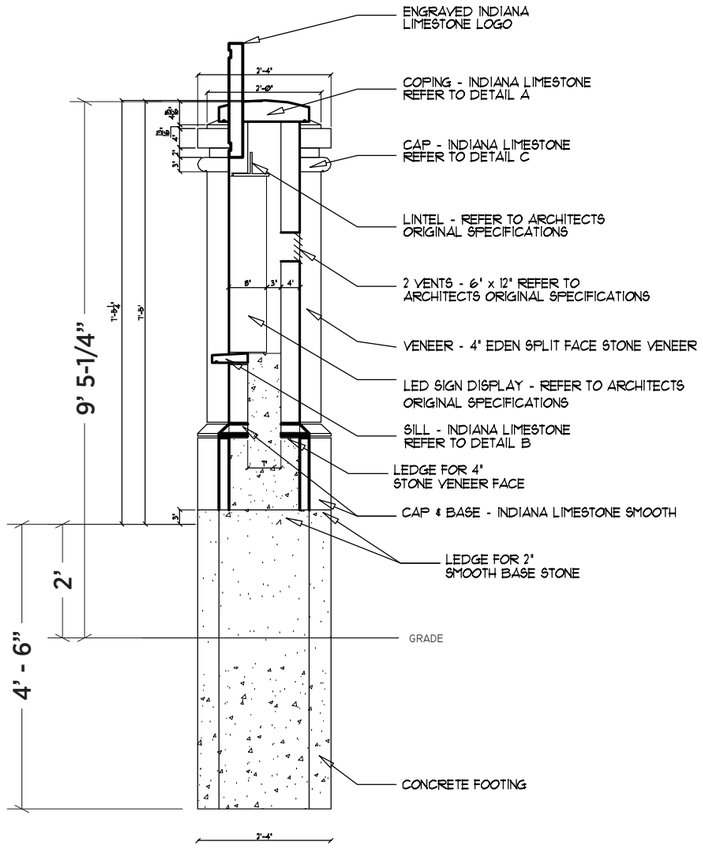
Drwg: 240265 | **Sheet:** 1C | **Design Date:** 02/03/2025

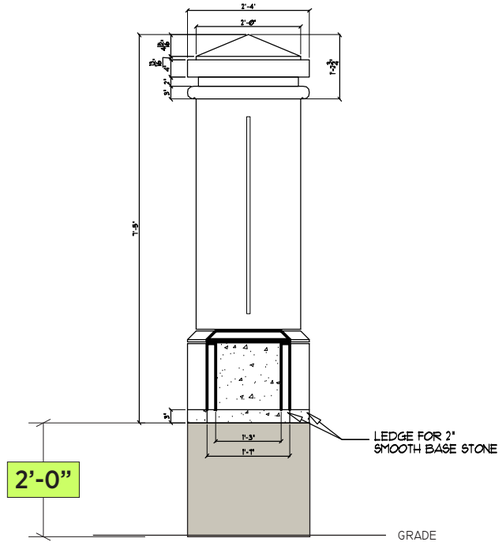
Rev A:	Rev D:
Rev B:	Rev E:
Rev C:	Rev F:

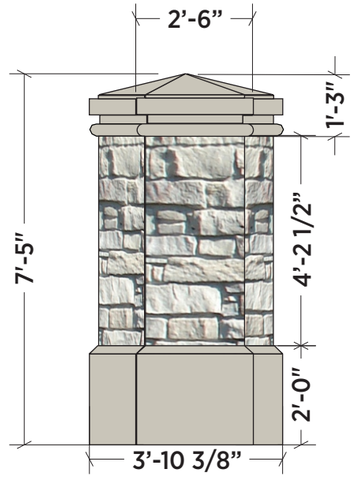
LANDLORD APPROVAL SIGNATURE

Fabrication Details / Footing

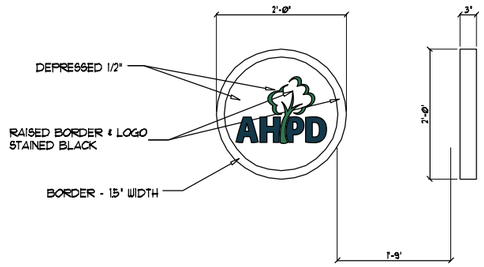




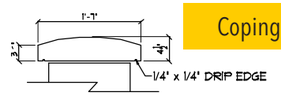




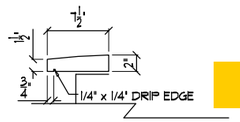
Logo Detail

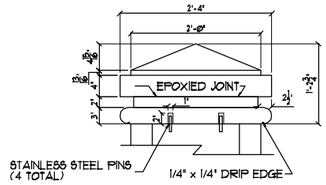


Coping



Sign Sill





Column Cap

Drawn By: PJ

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All Signs Shall Be Installed In Accordance With N.E.C. Article 600

Engineering Specifications
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Electrical Specifications
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Prepared For: Arlington Heights Park District	**Address:** 410 N. Arlington Heights Rd	**Drwg:** 240265	**Sheet:** Detail	**Design Date:** 07/02/2024
Location Name:	**City/State:** Arlington Heights, IL 60004	Rev A: 11/14/2024 - PJ	Rev D:	**LANDLORD APPROVAL SIGNATURE**
		Rev B: 03/26/2025 - PJ	Rev E:	
		Rev C:	Rev F:	

STAFF DESIGN COMMISSION REPORT

PROJECT INFORMATION:		**PETITION INFORMATION**:	
Project Name:	Arlington Heights Park District – Sign Variation	**DC Number:**	24-069
Project Address:	750 W. Northwest Highway	**Petitioner Name:**	Susan Rohner
Prepared By:	Steve Hautzinger	**Petitioner Address:**	Arlington Heights Park District 410 N. Arlington Heights Road Arlington Heights, IL 60004
Date Prepared:	December 4, 2024	**Meeting Date:**	December 10, 2024

Requested Action(s):

1. A variation from Chapter 30, Section 30-701 Electronic Message Signs, to allow an electronic message sign facing Northwest Highway, where electronic message signs may only be permitted at designated major arterial commercial corridors.
2. A variation from Chapter 30, Section 30-302.a, to allow a ground sign with a 665-foot separation between ground signs, where 800 feet minimum is required.
3. A variation from Chapter 30, Section 30-203.b, to allow a 10'-5 1/4" tall ground sign, where six feet is the maximum allowed height.
4. A variation from Chapter 30, Section 30-203.b, to allow a 36.2 sf ground sign, where 25 square feet is the maximum allowed size.
5. A variation from Chapter 30, Section 30-705.c, to allow a 32.2 square foot electronic message sign that is 89% of the total ground sign size, where 33% of the allowable ground sign size (8.25 sf) is the maximum allowed.
6. A variation from Chapter 30, Section 30-705.f, to allow an electronic message sign to be 232 feet from a residential use, where 300 feet is the minimum required separation.

ANALYSIS:

The subject design is being forwarded to the Design Commission for review pursuant to Chapter 6 of the Municipal Code, specifically Section 6-501 (e)(1), which states that the Design Commission "shall review all Plan Commission, Zoning Board of Appeals, Building Permit and Sign Permit applications for new construction and those improvements which affect the architectural design of the building, site improvements or signage to determine whether it meets with the standards, requirements and purposes of the Design Guidelines and Chapter 30, Sign Regulations."

Summary:

The Arlington Heights Park District is seeking approval to build a new electronic message sign to be located at the intersection of Northwest Highway and Euclid Avenue. The sign is proposed to be the same design and size as the existing Village of Arlington Heights electronic civic events sign which is located at the intersection of Arlington Heights Road and Northwest Highway. The Park District sign will be used to deliver community messages regarding Park District events and information.

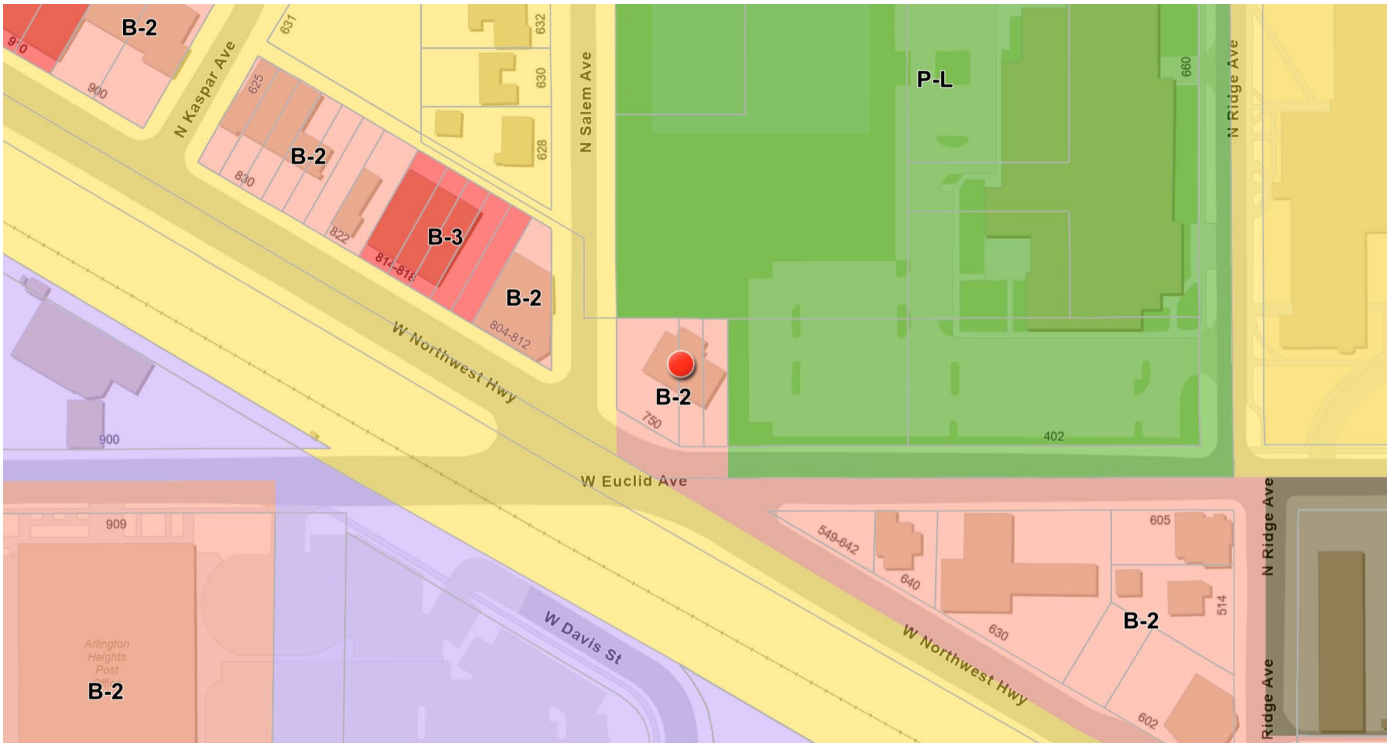
The subject site is currently zoned B-2 General Business Zoning District, and it was occupied by a small office building. The Park District recently purchased the property, demolished the office building, and they are currently pursuing zoning approval through the Plan Commission and Village Board to rezone the property to P-L Public Lands District and consolidate it with the adjacent Arlington Ridge Center site, which requires amendment of the existing Planned Unit Development (PUD).

In 2017, Chapter 30 Sign Code was amended to allow electronic message signs along certain major arterial commercial corridors, away from residential zoning districts. The subject property is in a location where electronic message signs are not permitted, therefore a variation is required. Additionally, the proposed sign requires variations for size, height, separation distance from the existing Arlington Ridge Center ground sign, and separation distance from the single-family residential property to the north. A complete code summary is provided in Table 1 below.

Additionally, per Chapter 30, Section 30-705.h, the operation of an electronic message sign is required to abide by the following restrictions, to which the petitioner has provided written agreement:

1. The electronic display shall be static displays only with no scrolling, fading, flashing, animation, video, or sound.
2. Messages must be displayed for a minimum of 10 seconds.
3. Auto-dimming photocell technology is required to automatically adjust the display brightness to .3 footcandles maximum above ambient lighting conditions.
4. Off-premises advertising is not allowed.
5. Only permitted to be illuminated the same hours that the business is open.

Zoning Map:



Surrounding Land Uses:

Direction	***Existing Zoning***	***Existing Use***
Subject Property	B-2, General Business Zoning District (Proposed rezoning to P-L, Public Lands)	Vacant
North	P-L, Public Lands	Arlington Heights Park District, Arlington Ridge Center
South	M-2, Limited Heavy Manufacturing District	Automotive Body Shop
East	P-L, Public Lands	Arlington Heights Park District, Arlington Ridge Center
West	B-2, General Business Zoning District	Office

Table 1: Code Summary of the Proposed Electronic Message Sign:

ITEM	CODE REQUIREMENT	REMARKS
Location:	**Section 30-701:** Electronic Message Signs are only allowed in designated major arterial commercial corridors.	**Variation required to allow an electronic message sign on a non-designated road.**
Number:	**Section 30-302:** A minimum 800 feet of separation is required between ground signs measured along the right-of-way lines.	**Variation required to allow a ground sign with a 665 foot separation from the existing ground sign.**
Setback:	**Section 30-301.b:** 15 feet minimum setback is required for ground signs in a P-L (Public Land) Zoning District.	Meets requirement. 19.8-foot setback is proposed.
Height:	**Section 30-203.b:** Ground signs accessory to a permitted non-residential use shall not exceed six feet in height.	**Variation required to allow a 10'-5 ¼" tall sign** Note: The sign height includes the 24" tall raised planting bed around the sign.
Size:	**Section 30-203.b:** Ground signs accessory to a permitted non-residential use shall not exceed 25 square feet. **Section 30-705.c:** The maximum size of an electronic message sign shall be no more than 33% of the allowable ground sign size. Electronic Message Sign maximum size = 8.25 sf (33% of 25 sf) Proposed Sign Size Summary: ▪ "AHPD" sign = 4 sf ▪ Electronic Message Sign = 32.2 sf ▪ Total Proposed Signage = 36.2 sf	**Variation required to allow a 36.2 sf ground sign, where 25 square feet is the maximum allowed.** **Variation required to allow an electronic message sign that is 89% (32.2 sf) of the total sign size, where 33% (8.25 sf) is the maximum allowed.**
Design:	**Section 30-203.b:** All signs must be designed to be compatible with the architectural style of the development. **Section 30-705.a:** Electronic Message Signs are only permitted on monument style ground signs (pole mounted not allowed).	Meets requirement. The proposed sign design is a copy of the existing Village electronic message sign. The two signs are intended to complement each other. Meets requirement.
Display:	**Section 30-705.b:** Only high resolution, full color electronic displays are allowed.	Meets requirement.
Arrangement	**Section 30-705.c:** The electronic portion of the sign must be the lower portion of the sign.	Meets requirement.

Quantity:	**Section 30-705.d:** Only one electronic message sign per property is permitted.	Meets requirement.
Spacing:	**Section 30-705.e:** Minimum 300 feet spacing is required between electronic message signs on the same side of any street.	Meets requirement.
Separation from Residential:	**Section 30-705.f:** Electronic Message Signs are not permitted within 300 feet of any property being used for a residential use.	**Variation required to allow an electronic sign 232 feet from a residential use**.
Orientation:	**Section 30-705.g:** Electronic Message Signs must be oriented perpendicular to the roadway.	Meets requirement.
Landscaping:	**Section 30-301.e:** The area under a ground sign must be landscaped a minimum of two feet out from the sign base.	Meets requirement.

Electronic Sign Conditional Review Criteria:
The Village Sign Code, Chapter 30, Section 30-702 sets out the criteria for conditional approval of an electronic message sign:

a. *The Electronic Message Sign will not create a traffic hazard or demonstrable negative impact on nearby properties or be detrimental to the safety of persons residing or working in the vicinity; and*
b. *The Electronic Message Sign will serve the best interests of the Village, and will be desirable for the public convenience; and*
c. *The design of the Electronic Message Sign is compatible with the essential character of the locality, such as the sign enclosure, materials and scale; and*
d. *The business demonstrates a valid need for an Electronic Message Sign. The business must explain how the sign will be used, and why their business needs an Electronic Message Sign.*

Sign Variation Criteria:
The Village Sign Code, Chapter 30, Section 30-902 sets out the criteria for granting a sign variation.

a. *That the particular difficulty or peculiar hardship is not self-created by the Petitioner.*
b. *That the granting of said variation will not create a traffic hazard, a depreciation of nearby property values or otherwise be detrimental to the public health, safety, morals and welfare;*
c. *That the variation will serve to relieve the Petitioner from a difficulty attributable to the location, topography, circumstances on nearby properties or other peculiar hardship, and will not merely serve to provide the Petitioner with a competitive advantage over similar businesses;*
d. *That the variation will not alter the essential character of the locality;*
e. *That the Petitioner's business cannot reasonably function under the standards of this chapter.*

The petitioner has submitted a detailed letter addressing the conditional review criteria for the electronic message sign as well as the sign variation criteria. In summary, the Park District feels that there is a valid need for the proposed sign to provide beneficial information to the public regarding park district events and classes, especially to those who are not on social media including seniors and low-income families. They feel that the sign's quality materials and design including extensive landscaping and green space around the sign will be an enhancement to this location, not a negative impact. The design of the sign fits the character of the locality by matching the Village sign and serving as a western gateway feature into Downtown Arlington Heights.

The petitioner feels that the variation for an electronic sign in this location is needed in lieu of a manual change sign which would be too limiting for sharing current and up to date information to the public. The petitioner feels that the variations for the size, height, and placement of the sign are necessary for it to be adequately visible and readable from cars at the intersection.

Staff Comments:

Staff agrees that replicating the Village's electronic sign design will work well to create a western gateway feature into Downtown Arlington Heights, and that the Park District's use of the sign will serve a similar civic events function as the Village's sign for the benefit of the community. The placement of the sign is appropriate to maximize visibility, and the landscaping around the sign is abundant and nicely designed. The size of the sign is the same as the Village's sign which is appropriate for visibility at the street intersection.

In regards to having an electronic message sign in this location, Staff does have concerns about electronic signs located on corridors not specified in the ordinance. However, in 2017, when the Village-wide matter of electronic signage was studied, one option that was considered was to allow electronic signage for unique uses. However, the Design Commission and Village Board decided that it would be better to review such unique requests on a case-by-case basis as sign variations. Staff feels that the Park District is an appropriate example of a unique use where an electronic sign is appropriate.

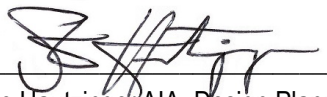
RECOMMENDATION:

It is recommended that the Design Commission **approve** the following sign variations for the *Arlington Heights Park District* at 750 W. Northwest Highway:

1. A variation from Chapter 30, Section 30-701 Electronic Message Signs, to allow an electronic message sign facing Northwest Highway, where electronic message signs may only be permitted at designated major arterial commercial corridors.
2. A variation from Chapter 30, Section 30-302.a, to allow a ground sign with a 665-foot separation between ground signs, where 800 feet minimum is required.
3. A variation from Chapter 30, Section 30-203.b, to allow a 10'-5 1/4" tall ground sign, where six feet is the maximum allowed height.
4. A variation from Chapter 30, Section 30-203.b, to allow a 36.2 sf ground sign, where 25 square feet is the maximum allowed size.
5. A variation from Chapter 30, Section 30-705.c, to allow a 32.2 square foot electronic message sign that is 89% of the total ground sign size, where 33% of the allowable ground sign size (8.25 sf) is the maximum allowed.
6. A variation from Chapter 30, Section 30-705.f, to allow an electronic message sign to be 232 feet from a residential use, where 300 feet is the minimum required separation.

This recommendation is based on the plans received 11/18/24, Federal, State, and Village Codes, regulations, and policies, and the issuance of all required permits, and the following:

1. The sign variation approvals are contingent upon obtaining Village zoning approval for rezoning the property to P-L Public Lands District, and consolidation with the adjacent Arlington Ridge Center site, which requires amendment of the existing Planned Unit Development (PUD).
2. This review deals with architectural design only and should not be construed to be an approval of, or to have any other impact on, any other zoning and/or land use issues or decisions that stem from zoning, building, signage or any other reviews. In addition to the normal technical review, permit drawings will be reviewed for consistency with the Design Commission and any other Commission or Board approval conditions. It is the architect/homeowner/builder's responsibility to comply with the Design Commission approval and ensure that building permit plans comply with all zoning code, building permit and signage requirements.



December 4, 2024

Steve Hautzinger AIA, Design Planner
Department of Planning & Community Development

c: Michael Lysicatos, Assistant Director of Planning and Community Development, Dan Osoba, Planner, Petitioner, DC File 24-069

MEMO

Date: November 18, 2024

To: Village of Arlington Heights (VAH)

From: Arlington Heights Park District (AHPD)

Subject: Proposed Electric Sign on 750 W. Northwest Highway Property

Please see our plans and description below in regards to permit requirements for the Proposed Electric Sign at 750 W. Northwest Highway. We have also included site and landscape plans, plus shop drawings, indicating the scope of this project. Responses to Staff Feedback for the Sign Variation and Electric Message Sign Applications have also been provided.

Please let us know if you have any questions or need additional information from us to receive approval from the Village.

Thank you,

Susan Rohner, PLA
Park Planner II
Arlington Heights Park District

410 N. Arlington Heights Rd. | Arlington Heights, IL 60004 | Phone 847.577.3000 | Fax 847.577.3050 | WWW.AHPD.ORG

Variation Requests and Responses

1. Variance to allow an electronic message sign on a non-designated road.

    a. **Response: Arlington Heights Park District really needs this community sign to provide passive advertising to more people who are not on social media, particularly seniors and low-income families. Our nearby ground sign only highlights the Arc Fitness Center building. A manual message sign would be tedious to change frequently and we have too small of staff. A manual sign also would not provide a number of different advertisements in one minute's time. Having no sign at 750 W. Northwest Highway, would certainly be a missed opportunity to reach more public constituents. AHPD electric sign would allow the park district to change the message remotely and frequently. Also, we could add in other community events. We have too many events and programs to make use of a manual sign and it would be difficult to choose which ad to put on the sign daily or weekly. Based on this prime location, this sign could serve as a Western gateway community sign to downtown Arlington Heights. This variation does not provide the AHPD with a competitive advantage over another business, municipality or local park district. This sign does provide the public with more advantages to have fun and spend quality time. Therefore, we are asking for a variance to provide an electric sign at this prime location (750 W. Northwest Highway) to reach more residents with beneficial events and classes.**

3. Variance to allow a ground sign with a 650-foot separation form the existing ground sign.

    a. **Response: The existing ARC ground sign is far from the proposed electronic sign at 650-feet, versus the 800-feet required. The 800-foot requirement would put the electronic sign out in the public roadway intersection. We do not have enough land to meet this requirement, by the configuration of the property, by being near Residential, and the angles an electronic sign could be viewed. Therefore, due to these unique circumstances, we request a variance. Also, the ARC ground sign and the electronic sign serve quite different purposes, with the former acting as a building ID sign and the electronic sign acting as a dynamic, community message sign on the Western gateway of Arlington Heights. More residents can benefit from this type of community sign at this ideal location.**

4. Variance to allow a 10'-5-1/4" tall sign (upon a 24" raised retaining wall bed with limestone – actual sign is 8'-5-1/4").

a. **Response: Arlington Heights Park District would be quite limited to provide readable community advertising on the electronic sign, with enough words and graphics, if we stick to the zoning height, square footage and electronic**

message sign restrictions. Due to the large nearby intersection, sticking to the zoning requirements would make this sign difficult to read. In order to provide enough information to the public, beyond a few words large enough to read, we need a larger, taller and bigger electronic message board and sign, similar to the Village of Arlington Heights electronic message sign on Arlington Heights Road. Given the unique circumstances in being able to read a sign at this large intersection, a smaller sign simply would not work. Having a larger electronic message board also assists us in providing more information to the public with extra space to promote community messages. In good taste, we have mirrored our electronic message sign in the same look and feel as the Village of Arlington Heights sign with quality limestone, a large 3' x 9' electronic message display, our logo, and abundant sustainable landscaping set upon a 24'' limestone retaining wall feature, similar to the Village's. AHPD admires the VAH's placemaking success through your sign, and would like to support this same iconic look through our own electronic sign as it gives Arlington Heights a distinctive identity. This new, larger sign will not only support the image of Arlington Heights, but also advertise wellness-focused programming and fun family-centered events. This proposed sign will not alter the image of the locality. Therefore, we respectfully request these variances in order to go above and beyond with getting the messages out. We are confident that by having a larger and more tasteful sign, we will spread our messages better to the public. Big enough letters, colorful messages with graphics and a reading-friendly format will support the Arlington Heights Park District in engaging messages to more hard-to-reach residents.

5. Variance to allow a 36-sf ground sign where 25 square feet is the max allowed. Also, to allow a 32-sf electronic message sign where 8.25 sf would be the maximum allowed.

    a. **Response: See response above on #4 to also answer variance #5.**

6. Variance to allow an electronic sign approximately 265 feet from a residential use verses 300 feet.

    a. **Response: The AHPD cannot move the sign's location any further away from Residential, based on required setbacks, landscape retaining walls, and the readable angles of the electronic sign. Therefore, we are requesting a variance. AHPD believes that our improvements could add to the value of nearby residential properties, because more deciduous and evergreen trees are being installed to block the view of the sign to nearby residential homes. Also, through these improvements, more greenspace has been added with the removal of the Law Office and parking lots. Traffic**

will now be eliminated from this intersection with the addition of more landscaping and a sign. Water run-off will be reduced as additional turf grass will be added. In addition, great lengths have been taken to ensure the new electronic sign isn't a traffic hazard or nuisance to nearby residents. Our hired Electrical Engineer has provided lighting recommendations to ensure no motorists or residents are blinded by lights at night when driving nearby. Furthermore, AHPD will abide by all rules set forth in Section 30-705.h on Operational Standards for Electric signs. The tasteful look of this electronic sign, the responsible operation of the sign's electronics, less traffic, less water run-off, additional park space, great looking landscaping and interesting messaging could enhance the nearby residents' experience of living here, compared to pre-development. Trees and landscaping have been research-proven to both make people feel less stressed and increase property values. Additionally, an attractive sign with quality natural stone could be an asset to view and be more beneficial to the health, safety and welfare of residents through newfound knowledge of more community events and classes. The new trail improvements can assist residents in getting around town easier, too.

Conditional Review Process and Criteria with AHPD Response:

a. The Electronic Message Sign will not create a traffic hazard or demonstrable negative impact on nearby properties or be detrimental to the safety of persons residing or working in the vicinity; and,

Response: The new sign will be strategically programmed and is laid out, not to create a traffic hazard or distraction. The sign is set almost 20' in from the Right of Way and exceeds requirements. The sign sits perpendicular to Northwest Highway and is most likely to be viewed when cars are stopped at a red light. Also, we are using a modern, Watchfire Electric Sign that has auto-dimming features and other screen controls. The new community-based advertising sign is designed with top notch materials and with beautiful landscaping. The high quality of this natural stone sign, coupled with the site improvements, will increase the aesthetics of this intersection and provide more sustainable green space. Overall, the sign should improve the look of this intersection, enhance nearby real estate values and be safe as well.

b. The Electronic Message Sign will serve the best interests of the Village, and will be desirable for the public convenience.

Response: Our community-focused sign will advertise wellness programming, classes, health facilities, and fun family-centered events for the good of all residents in Arlington Heights. This sign is needed by the Park District, as a

message board or static sign will not achieve the same effect in advertising multiple messages to the public. This electronic sign use will support the Village as a whole, in reaching more residents and providing higher engagement with the public. Passive advertisements that change on the sign from a remote location. Overall, the new sign will be much more convenient for AHPD to program and for the public to view when passing by. This sign will capture attention from residents who are not on social media. The community could benefit from our classes, facilities and events with less stress, better health, more social opportunities, higher engagement and more quality time.

c. The design of the Electronic Message Sign is compatible with the essential character of the locality, such as the sign enclosure, materials and scale.

Response: Our community-focused sign matches the look, scale, materials and proportions of the Village of Arlington Heights sign and is highly compatible with the placemaking standards already established by the Village. Even the landscape design has been matched to replicate the look of the Village's electronic sign with a tiered 24'' limestone retaining wall. This design supports the essential character of Arlington Heights.

d. The business demonstrates a valid need for an Electronic Message Sign. The business must explain how the sign will be used, and why their business needs an Electronic Message Sign.

Response: The Arlington Heights Park District needs an electronic message sign so that we can reach more residents, particularly ones who are not on social media. If we are unable to obtain our sign, 1.) We would need to install a manual message board and be quite limited with our frequency of changing advertising, 2.) We would have to do without and miss a large number of residents who pass this intersection daily by foot and car, and/or 3.) We may continue to miss some passive advertising to Seniors and low-income populations who could greatly benefit from our offerings. The Village has a growing number of Senior citizens in the community. Given our purchase of this prime location at a major intersection, the electronic sign here would make a great Western gateway sign for downtown Arlington Heights. Advertisements would promote community focused events, our facilities and classes. Our offerings are beneficial to all ages and to people with varying income levels. The AHPD could reach more people and function at a higher, more efficient manner, with a large electronic message sign. More citizens will be able to see what AHPD is offering or all exciting events that are coming up. All passer-by's could see what is coming up at AHPD.

Arlington Heights Park District Operational Standards for Electronic Message Sign

The Arlington Heights Park District shall abide by the following operational standards in

Programming or utilizing our electronic sign:

1. The AHPD sign shall have static display only. No scrolling, fading, flashing, animation, or video will be displayed, nor is any sound will be used. The Park District will take measures to ensure motorists are not distracted, or add to noise, or light pollution.

2. Messages on the AHPD sign will be displayed for a minimum of 10 seconds or longer. This slower transition between ads will help motorists from being distracted from too much blinking.

3. The ADPH sign will use auto-dimming photocell technology so that the display brightness automatically adjusts based on ambient lighting conditions. Our sign will have the capability to control brightness and we will ensure that the public is not blinded by our sign. Brightness shall be limited to .3 footcandles maximum above ambient lighting conditions at the established measurement distance based on the size of the sign, using the following formula:

$$Measurement\ Distance = \sqrt{Area\ of\ Sign\ Sq.\ Ft.\ x\ 100}$$

4. AHPD will not sell advertisements or sponsorships to be placed on this electronic sign. The ad space usage will be for AHPD business only.

5. The AHPD electronic sign will only be on and illuminated during the hours of 5am to 11pm. This time corresponds to our Park District ordinance for all public park sites.

APPROVED

MINUTES OF
THE VILLAGE OF ARLINGTON HEIGHTS
DESIGN COMMISSION

ARLINGTON HEIGHTS MUNICIPAL BUILDING
33 S. ARLINGTON HEIGHTS RD.
DECEMBER 10, 2024

Acting Chair Eckhardt called the meeting to order at 6:30 p.m.

Members Present: Ted Eckhardt, Acting Chair
Kirsten Kingsley
John Fitzgerald
Scott Seyer

Members Absent: Jonathan Kubow, Chair

Also Present: Michael Ciurej, Owner of *1021 N Stratford Rd*
John Kramer, *Arlington Heights Park District*
Susan Rohner, *Arlington Heights Park District*
Jon Krissoff, Chase Bank for *Chase Bank*
Matt Pyter, Olympik Signs for *Chase Bank*
Amer Sassila, The HOH Group Inc. for *Qargo Coffee*
Steve Hautzinger, Planning Staff

REVIEW OF MEETING MINUTES FOR NOVEMBER 12, 2024

A MOTION WAS MADE BY COMMISSIONER FITZGERALD, SECONDED BY COMMISSIONER KINGSLEY, TO APPROVE THE MEETING MINUTES OF NOVEMBER 12, 2024. ALL WERE IN FAVOR. MOTION CARRIED.

ITEM 2. SIGN VARIATION REVIEW

DC#24-069 – Arlington Heights Park District – 750 W. Northwest Hwy.

John Kramer, Director of Parks and Planning, and **Susan Rohner,** Park Planner, representing the *Arlington Heights Park District,* were present on behalf of the project.

Mr. Hautzinger presented Staff comments. The Arlington Heights Park District is seeking approval to build a new electronic message sign to be located at the intersection of Northwest Highway and Euclid Avenue. The sign is proposed to be the same design and size as the existing Village of Arlington Heights electronic civic events sign which is located at the intersection of Arlington Heights Road and Northwest Highway. The new Park District sign will be used to deliver community messages regarding Park District events and information.

The subject site is currently zoned B-2, General Business Zoning District, and it was occupied by a small office building. The Park District recently purchased the property, demolished the office building, and they are currently pursuing zoning approval through the Plan Commission and Village Board to rezone the property to P-L Public Lands District and consolidate it with the adjacent Arlington Ridge Center site, which requires an amendment of the existing Planned Unit Development (PUD).

In 2017, Chapter 30 Sign Code was amended to allow electronic message signs along certain major arterial commercial corridors, away from residential zoning districts. The subject property is in a location where electronic message signs are not permitted, therefore a variation is required. Additionally, the proposed sign requires variations for size, height, separation distance from the existing Arlington Ridge Center ground sign, and separation distance from the single-family residential property to the north. A complete code summary is provided in Table 1 of the Staff Report.

Additionally, per Chapter 30, Section 30-705.h, the operation of an electronic message sign is required to abide by the following restrictions, to which the petitioner has provided written agreement:

1. The electronic display shall be static displays only with no scrolling, fading, flashing, animation, video, or sound.
2. Messages must be displayed for a minimum of 10 seconds.
3. Auto-dimming photocell technology is required to automatically adjust the display brightness to .3 footcandles maximum above ambient lighting conditions.
4. Off-premises advertising is not allowed.
5. Only permitted to be illuminated the same hours that the business is open.

The petitioner submitted a detailed letter addressing the conditional review criteria for the electronic message sign as well as the sign variation criteria. In summary, the Park District feels there is a valid need for the proposed sign to provide beneficial information to the public regarding park district events and classes, especially to those who are not on social media including seniors and low-income families. They feel that the sign's quality materials and design including extensive landscaping and green space around the sign will be an enhancement to this location, not a negative impact. The design of the sign fits the character of the locality by matching the Village sign and serving as a western gateway feature into Downtown Arlington Heights.

The petitioner also felt that the variation for an electronic sign in this location is needed in lieu of a manual change sign which would be too limiting for sharing current and up to date information to the public. The variations for size, height, and placement of the sign are

necessary for it to be adequately visible and readable from cars at the intersection.

Staff agrees that replicating the Village's electronic sign design will work well to create a western gateway feature into Downtown Arlington Heights, and that the Park District's use of the sign will serve a similar civic events function as the Village's sign for the benefit of the community. The placement of the sign is appropriate to maximize visibility, and the landscaping around the sign is abundant and nicely designed. The size of the sign is consistent with the Village's electronic message sign that is appropriate for visibility at the street intersection.

In regards to having an electronic message sign in this location, Staff does have concerns about electronic signs located on corridors not specified in the ordinance. However, in 2017, when the Village-wide matter of electronic signage was studied, one option that was considered was to allow electronic signage for unique uses. However, the Design Commission and Village Board decided that it would be better to review such unique requests on a case-by-case basis as sign variations. Staff feels that the Park District is an appropriate example of a unique use where an electronic sign is appropriate.

Staff recommends the Design Commission approve the sign variation requests, contingent upon obtaining Village zoning approval for rezoning the property to P-L, Public Lands District, and consolidation with the adjacent Arlington Ridge Center site, which requires amendment of the existing PUD.

Acting Chair Eckhardt asked if there were any public comments on the project, and there was no response from those in the audience.

John Kramer said the Park District very much wants to put a sign at this location, but also wants to emulate the Village's electronic message sign to have the same continuity throughout, and the Village recommended they follow down that path. He said that Steve did a great job explaining the variations being requested, and he offered to add anything further if needed.

The commissioners summarized their comments. **Commissioner Fitzgerald** was in favor of the new electronic sign; the quality of the materials, the landscaping, the busyness of this intersection, and the fact that the homes are fairly far away from the sign. This type of information from the Park District he felt could be helpful and will also look like a gateway into the Village. He was okay with the request.

Commissioner Kingsley said the new sign is a great idea and she is not opposed to having an electronic sign at this location. With regards to the design of the masonry on the sign, she felt it might be more appropriate to be slightly different than the Village's electronic sign. She was glad to see the limestone and other true materials being proposed for the sign, but felt that the shape of the sign as shown in the renderings make the sign look like a mausoleum. **Susan Rohner** explained that the software used for the color renderings did not have the capability to make a curve on the top of the sign wall; the renderings incorrectly show a straight edge across the top of the sign. **Commissioner Kingsley** reiterated that she is in support of the new electronic sign and did not mind how big it is; however, she just questions the aesthetics. She asked if the message screen on the new sign has the quality to allow for a photograph, as shown in the drawings. She pointed out that the Village's electronic sign is older. **Mr. Hautzinger** replied that the Village's electronic sign was built and installed 15+ years ago, but the message screen was updated within the last 5 years to allow for high resolution and full color, similar to the new Park District sign being reviewed tonight.

Commissioner Kingsley questioned whether the 6,500K color temperature of the LED message screen could be reduced, and **Mr. Kramer** replied that 6,500K is the maximum color temperature for the sign, but it could be adjusted and reduced if necessary.

Commissioner Seyer was in favor of the new electronic sign and the materials; it bookends the entry into this part of the Village. He understood the concern about the temperature of the LED sign, which is generally for more of a static lighting condition; however, he did not understand the orientation of the sign, and he referred to the aerial showing the placement of the sign with the red color visibility diagram. He questioned why the sign is not rotated more towards the corner, like the sign at the east side of the Village where it is rotated towards the corner, to get the traffic going along Northwest Highway towards the west, and from Arlington Heights Road going to the north. He felt that traffic coming from the west, going east on Euclid, will not be able to see the sign. He asked if the placement of the sign is open to discussion tonight.

Mr. Hautzinger said he initially felt the same way when the petition was submitted and he questioned what the proper orientation should be for the new sign; he originally envisioned it in a similar manner as the Village's sign that faces the street intersection. However, he explained that the Village sign is located at Arlington Heights Road and Northwest Highway where the streets intersect at an acute angle, versus an obtuse angle at the street intersection where the Park District sign is proposed, so facing the sign towards the street intersection would provide very limited visibility. The goal with this new sign is for people who are stopped at the intersection to be able to see it, and the exhibit shows cars that are stopped on Northwest Highway traveling northwest would have the opportunity to view the sign, same as for cars traveling west on Euclid, and for cars traveling southeast on Northwest Highway. He felt there was no perfect angle for the new sign. The petitioner had a concept where the sign was perpendicular to Euclid, which Staff reviewed and discussed and ultimately suggested that it be more perpendicular to Northwest Hwy which seems like the best orientation for visibility, but it is not perfect.

Acting Chair Eckhardt asked if a triangular sign was considered by the petitioner, which he sketched out for consideration. **Mr. Kramer** said they did not consider that, but could look into it. **Acting Chair Eckhardt** said a triangular sign would point directly at the traffic, with the same orientation as currently shown; the side that faces west would turn more to face the street and not the sidewalk. **Commissioner Seyer** assumed the new sign was studied and analyzed appropriately, but he questioned whether the current placement/orientation of the sign will get the attention that it should, as shown on the aerial diagram with the red color viewing anlge. **Mr. Hautzinger** said the exhibit was prepared by Aurora sign Co., and he asked the petitioner about what conversations they had with them about their recommendation for placement of the sign. **Mr. Kramer** said they started with just a two-sided sign with masonry and never looked at the V-concept; however, they can go back and ask the sign company whether or not that would make this exhibit any different from their perspective, and also see where that is on cost. **Commissioner Seyer** was in favor of the petitioner doing that, as well as Staff reviewing that change. He wanted to be sure that the new sign gets the most bang for the buck.

Acting Chair Eckhardt agreed with the comments from the other commissioners. He supports the new electronic sign, but asked the commissioners and Staff to consider thinking again about the schools in town and their interest in an electronic sign. He said that technology is here and it should be used, because getting information out is important.

Mr. Hautzinger asked if the commissioners are encouraging the petitioner to re-design as a V-shape sign to turn the visibility triangles. **Commissioner Seyer** felt the sign should be rotated about 15 degrees counter-clockwise to capture more visibility from the road than is

currently shown on the red aerial; however, he is not a sign designer and the orientation should be studied by an expert. He was okay with Staff reviewing any change made to the orientation of the sign.

Acting Chair Eckhardt commented that there is a large amount of traffic on Northwest Highway and less traffic on the other side. He was unsure how readable the sign will be as currently placed from cars going westbound. **Commissioner Seyer** reiterated that he wants the petitioner to determine the best orientation for the sign. **Mr. Hautzinger** said that orienting a ground sign perpendicular to the road is generally a default, so cars driving each way can see the sign, which is basically what the petitioner is proposing with the new sign along Northwest Highway; however, he agreed that the placement of the sign feels a bit removed because of the geometry of this intersection, the cars are a bit far away.

Commissioner Kingsley said the east side of the sign could be perpendicular to Northwest Highway, and the west side of the sign could be perpendicular to Euclid; this will end up with the red visibility triangle in the exhibit being rotated slightly farther south to improve visibility from the west.

Acting Chair Eckhardt recommended a motion to approve the proposed new sign with a requirement that the petitioner study with their sign contractor an alternate orientation of the sign, and submit to Staff for review.

A MOTION WAS MADE BY COMMISSIONER KINGSLEY, SECONDED BY COMMISSIONER SEYER, TO RECOMMEND TO THE VILLAGE BOARD OF TRUSTEES, APPROVAL OF THE FOLLOWING SIGN VARIATIONS FOR THE *ARLINGTON HEIGHTS PARK DISTRICT AT 750 W. NORTHWEST HIGHWAY:*

1. **A VARIATION FROM CHAPTER 30, SECTION 30-701 ELECTRONIC MESSAGE SIGNS, TO ALLOW AN ELECTRONIC MESSAGE SIGN FACING NORTHWEST HIGHWAY, WHERE ELECTRONIC MESSAGE SIGNS MAY ONLY BE PERMITTED AT DESIGNATED MAJOR ARTERIAL COMMERCIAL CORRIDORS.**
2. **A VARIATION FROM CHAPTER 30, SECTION 30-302.A, TO ALLOW A GROUND SIGN WITH A 665-FOOT SEPARATION BETWEEN GROUND SIGNS, WHERE 800 FEET MINIMUM IS REQUIRED.**
3. **A VARIATION FROM CHAPTER 30, SECTION 30-203.B, TO ALLOW A 10'-5 1/4" TALL GROUND SIGN, WHERE SIX FEET IS THE MAXIMUM ALLOWED HEIGHT.**
4. **A VARIATION FROM CHAPTER 30, SECTION 30-203.B, TO ALLOW A 36.2 SF GROUND SIGN, WHERE 25 SQUARE FEET IS THE MAXIMUM ALLOWED SIZE.**
5. **A VARIATION FROM CHAPTER 30, SECTION 30-705.C, TO ALLOW A 32.2 SQUARE FOOT ELECTRONIC MESSAGE SIGN THAT IS 89% OF THE TOTAL GROUND SIGN SIZE, WHERE 33% OF THE ALLOWABLE GROUND SIGN SIZE (8.25 SF) IS THE MAXIMUM ALLOWED.**
6. **A VARIATION FROM CHAPTER 30, SECTION 30-705.F, TO ALLOW AN ELECTRONIC MESSAGE SIGN TO BE 232 FEET FROM A RESIDENTIAL USE, WHERE 300 FEET IS THE MINIMUM REQUIRED SEPARATION.**

THIS RECOMMENDATION IS SUBJECT TO COMPLIANCE WITH THE PLANS RECEIVED 11/18/24, FEDERAL, STATE, AND VILLAGE CODES, REGULATIONS, AND POLICIES, AND THE ISSUANCE OF ALL REQUIRED PERMITS, AND THE FOLLOWING:

1. **A REQUIREMENT THAT THE ORIENTATION OF THE SIGN BE STUDIED TO CONFIRM OPTIMAL VISIBILITY WITH CONSIDERATION TO CHANGE THE SIGN LAYOUT TO A V-SHAPED SIGN, TO BE REVIEWED BY STAFF.**

2. **A RECOMMENDATION THAT IF THE SIGN IS CHANGED TO A V-SHAPE, THEN THE PETITIONER COULD CONSIDER SIMPLIFYING THE AESTHETICS OF THE SIGN, SUCH AS ELIMINATING THE ARCHED TOP, FOR STAFF REVIEW.**
3. **THE SIGN VARIATION APPROVALS ARE CONTINGENT UPON OBTAINING VILLAGE ZONING APPROVAL FOR REZONING THE PROPERTY TO P-L PUBLIC LANDS DISTRICT, AND CONSOLIDATION WITH THE ADJACENT ARLINGTON RIDGE CENTER SITE, WHICH REQUIRES AMENDMENT OF THE EXISTING PLANNED UNIT DEVELOPMENT (PUD).**
4. **THIS REVIEW DEALS WITH ARCHITECTURAL DESIGN ONLY AND SHOULD NOT BE CONSTRUED TO BE AN APPROVAL OF, OR TO HAVE ANY OTHER IMPACT ON, ANY OTHER ZONING AND/OR LAND USE ISSUES OR DECISIONS THAT STEM FROM ZONING, BUILDING, SIGNAGE OR ANY OTHER REVIEWS. IN ADDITION TO THE NORMAL TECHNICAL REVIEW, PERMIT DRAWINGS WILL BE REVIEWED FOR CONSISTENCY WITH THE DESIGN COMMISSION AND ANY OTHER COMMISSION OR BOARD APPROVAL CONDITIONS. IT IS THE ARCHITECT/HOMEOWNER/BUILDER'S RESPONSIBILITY TO COMPLY WITH THE DESIGN COMMISSION APPROVAL AND ENSURE THAT BUILDING PERMIT PLANS COMPLY WITH ALL ZONING CODE, BUILDING PERMIT AND SIGNAGE REQUIREMENTS.**

Mr. Hautzinger asked if the recommendation regarding the aesthetics is to change the sign design to match the Arlington Ridge Center? **Commissioner Kingsley** clarified that it is just a recommendation to simplify the shape because there are no curves on most of the park district buildings, but she was also okay with keeping the design to match the Village sign exactly. **Mr. Hautzinger** asked then if this motion passes and the petitioner studies the sign with their sign contractor and they ultimately decide that the V-shape does work better and the aesthetics of the sign are simplified, the changes can be reviewed and approved by Staff; however, would significant design changes require re-review by the Design Commission? **Acting Chair Eckhardt** said that Staff can determine if the changes need to be reviewed again by the Design Commission; he was okay with either sign layout.

SEYER, AYE; FITZGERALD, AYE; KINGSLEY, AYE; ECKHARDT, AYE.
ALL WERE IN FAVOR. MOTION CARRIED.

Commissioner Seyer felt the question of orientation could come up at the Village Board review of the project, and having a secondary orientation study will be beneficial for that meeting and for the petitioner.

PROPOSED PUD ADDITIONS AND NEW ELECTRIC SIGN

ARLINGTON HEIGHTS PARK DISTRICT (AHPD)

Board of Commissioners
Maryfran H. Leno-President
Timothy Gelinas-Vice President
Brian Owen-Commissioner
Robert Nesvacil-Commissioner
John Supplitt-Commissioner

Executive Director
Carrie A. Fullerton, CPRE

Director of Parks and Planning
John Kramer

ISSUED FOR PERMIT DRAWINGS

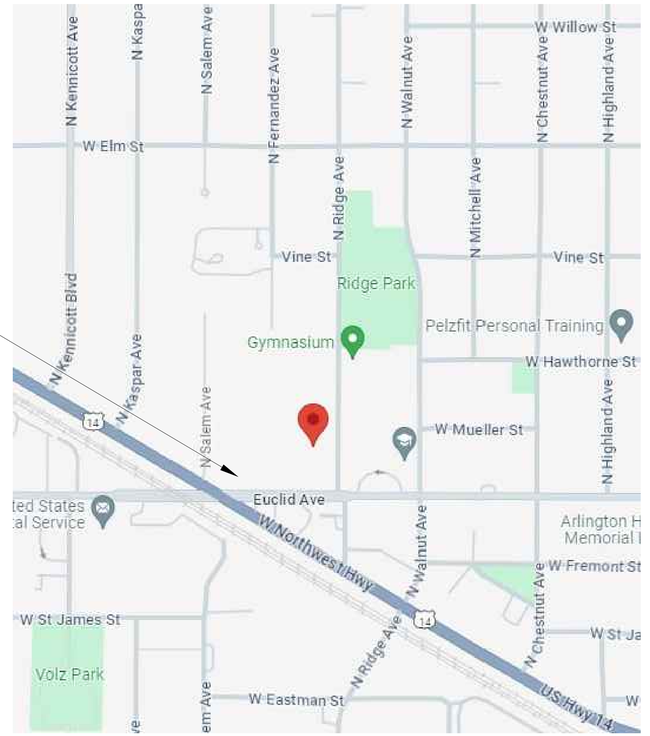
C-1 SIGN COVER PLAN
EX-1 EXISTING CONDITIONS PLAN - 750 W. NW HWY
EX-2 EXISTING CONDITIONS PLAN - ARC PUD
ES-1 SIGN SITE PLAN
ES-2 TREE PRESERVATION PLAN
ES-3 SIGN LANDSCAPE PLAN
ES-4 GROUND SIGN TO ELECTRIC SIGN EXHIBIT
ES-5 ELECTRIC SIGN ELEVATION
ES-6 REFERENCE PHOTOS EX SITE
EL-1 ELECTRICAL SITE PLAN
EL-2 ELECTRIC SCHEDULES
EL-3 ELECTRIC SCHEDULES & LIGHT DETAIL
IR-1 IRRIGATION SITE PLAN
IR-2 IRRIGATION DETAIL SHEET
PU-1 PUD MASTER PLAN
P-1 PERSPECTIVE VIEWS

NEW SIGN LOCATION
LEGACY PARK & ARC
660 N. Ridge Ave.
Arlington Heights, IL 60004

AHPD LOGO

ELECTRIC SIGN CONCEPT

Site Location Map



ISSUED FOR PERMIT
NOVEMBER 18, 2024

JULIE BEFOREYOUDIG.COM
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It's a free service

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ELECTRIC SIGN PROPOSAL AND ADDITION TO LEGACY/ARC PUD

Date: 7-15-2024
License expires, 8-31-2025

LICENSED LANDSCAPE ARCHITECT
SUSAN ROHNER
157.001778
STATE OF ILLINOIS

Issues & Revisions

#	Date	Description

North

Scale: Not To Scale

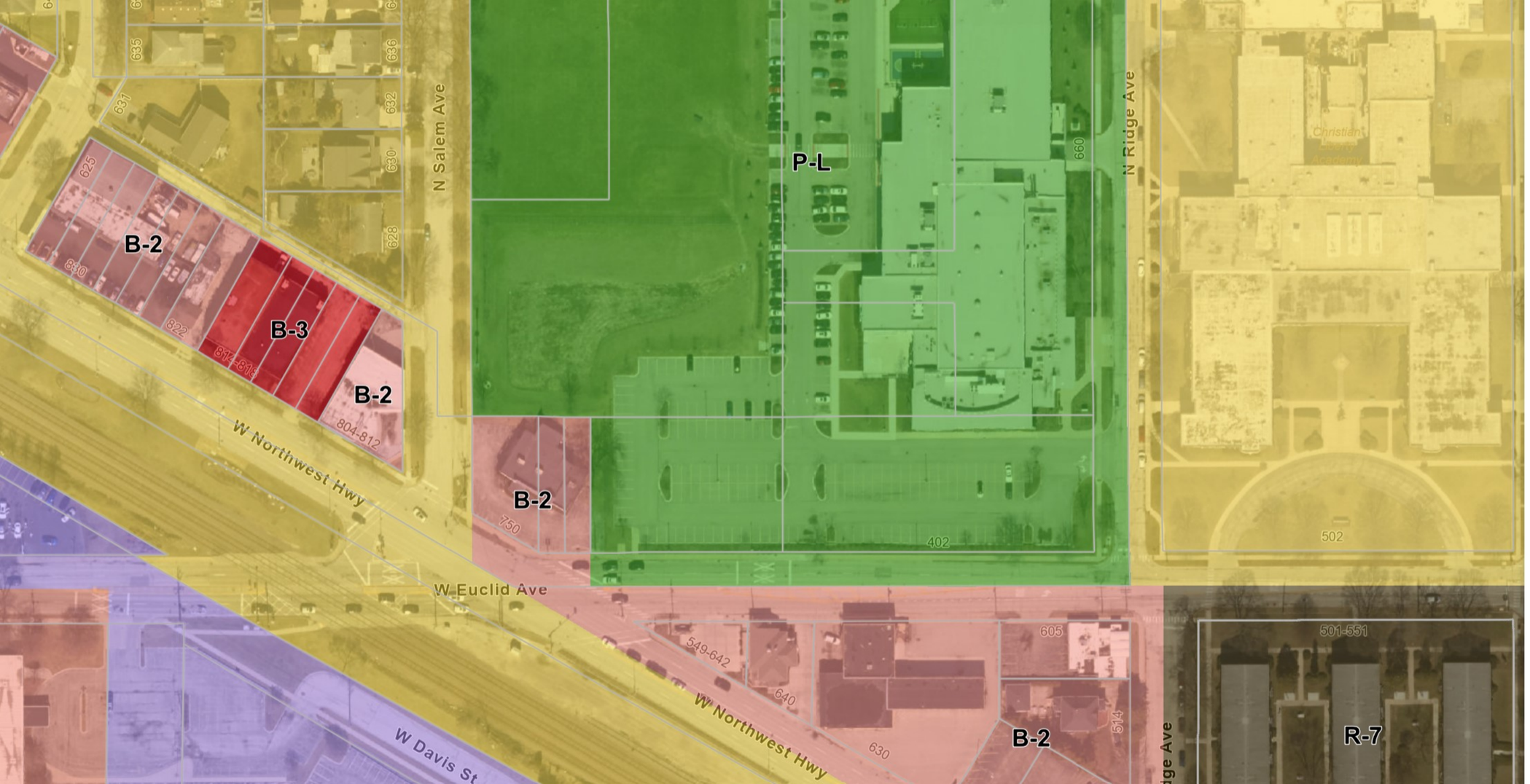
Sheet Title

COVER PLAN

Date: November 18, 2024

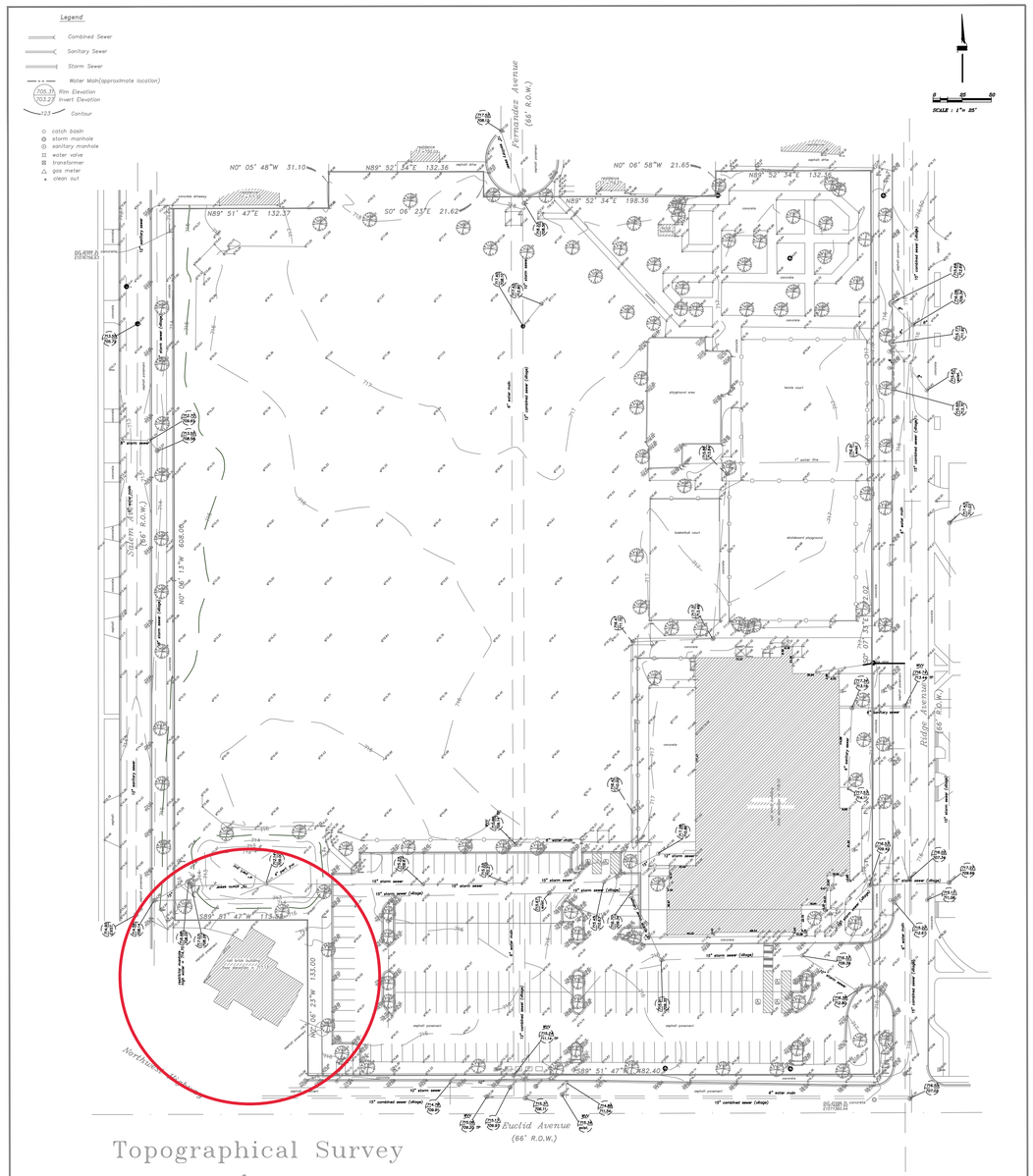
C-1

GIS Consortium Powered



Zoning

- B-1: Business District Limited Retail
- B-2: General Business District
- B-3: General Service, Wholesale and Motor Vehicle District
- B-4: Limited Service District
- B-5: Downtown District
- I: Institutional District
- M-1: Research, Development, and Light Manufacturing District
- M-2: Limited Heavy Manufacturing District
- O-P: Off-Street Parking District
- O-T: Office Transitional
- P-L: Public Land District
- R-1: One Family Dwelling District
- R-2: One Family Dwelling District
- R-3: One Family Dwelling District
- R-4: Two Family Dwelling District
- R-5: Multiple Family Dwelling District
- R-6: Multiple Family Dwelling District
- R-7: Multiple Family Dwelling District
- R-E: One Family Dwelling District



Topographical Survey

of

LOTS 8 AND 9 IN BLOCK 16; LOTS 1 THROUGH 18, BOTH INCLUSIVE, AND LOT 22 IN BLOCK 17; LOT 8 IN BLOCK 15, LOTS 10 THROUGH 15, BOTH INCLUSIVE, AND LOTS 17 THROUGH 22, BOTH INCLUSIVE, IN BLOCK 16; LOTS 1 THROUGH 18, BOTH INCLUSIVE, IN BLOCK 17 IN ARTHUR T. MCINTOSH AND COMPANY'S ARLINGTON HEIGHTS ADDITION NO. 2, BEING A SUBDIVISION OF VACATION, THEREOF HERETOFORE RECORDED IN THE OFFICE OF THE RECORDER OF DEEDS OF COOK COUNTY, ILLINOIS AS DOCUMENT NO. 2083310, ALL THAT PART OF THE VACATED EAST AND WEST PUBLIC ALLEY IN BLOCK 17 AS SHOWN ON THE PLAT OF VACATION THEREOF HERETOFORE RECORDED IN THE OFFICE OF THE RECORDER OF DEEDS OF COOK COUNTY, ILLINOIS AS DOCUMENT NO. 2083310, ALL THAT PART OF LOTS 1 AND 2 IN ASSESSOR'S DIVISION OF LOT 1 IN ASSESSOR'S DIVISION OF LOTS 1 AND 2 IN ASSESSOR'S DIVISION OF THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING NORTH OF THE SOUTH LINE OF THE NORTHWEST HIGHWAY AND SOUTH OF THE NORTHEASTERLY EXTENSION OF THE NORTHWESTERLY LINE OF LOT 8 IN BLOCK 16 AFORESAID, EXCEPTING THEREFROM THAT PART OF THE SOUTH HALF OF SAID VACATED PUBLIC ALLEY LYING NORTH OF AND ADJOINING LOTS 16 THROUGH 18, BOTH INCLUSIVE, IN BLOCK 17 AFORESAID, ALL THAT PART OF LOTS 1 AND 2 IN ASSESSOR'S DIVISION OF LOT 1 IN ASSESSOR'S DIVISION OF LOTS 1 AND 2 IN ASSESSOR'S DIVISION OF THE WEST HALF (EXCEPT THE EAST 33.0 FEET THEREOF) OF THE NORTHEAST QUARTER AND OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF SECTION 30, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN LYING NORTH OF THE NORTHEASTERLY LINE OF THE NORTHWESTERLY EXTENSION OF THE NORTHWESTERLY LINE OF LOT 8 IN BLOCK 16 AFORESAID AND SOUTH OF THE NORTHEASTERLY EXTENSION OF THE NORTHWESTERLY LINE OF THE CHICAGO & NORTHWESTERN RAILWAY RIGHT-OF-WAY, ACCORDING TO THE PLAT OF SAID SUBDIVISION REGISTERED IN THE OFFICE OF THE REGISTRAR OF TITLES OF COOK COUNTY, ILLINOIS ON SEPTEMBER 2, 1925, AS DOCUMENT No.LR 270771.

ALSO

LOTS 9 THROUGH 16, BOTH INCLUSIVE AND LOTS 17 AND 18 IN BLOCK 15; LOTS 8 THROUGH 24, BOTH INCLUSIVE, IN BLOCK C; ALL IN THE RESUBDIVISION OF CERTAIN BLOCKS AND PARTS OF BLOCKS AND VACATED STREETS IN K.A. GERDT'S ARLINGTON RIDGE, BEING A SUBDIVISION OF THAT PART OF THE WEST HALF (EXCEPT THE EAST 33.0 FEET THEREOF) OF THE NORTHEAST QUARTER AND OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF SECTION 30, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN LYING NORTH OF THE NORTHEASTERLY EXTENSION OF THE NORTHWESTERLY LINE OF HIGHWAY BEING 66.0 FEET NORTHEASTERLY OF AND PARALLEL WITH THE NORTHEASTERLY LINE OF THE CHICAGO & NORTHWESTERN RAILWAY RIGHT-OF-WAY, ACCORDING TO THE PLAT OF SAID RESUBDIVISION REGISTERED IN THE OFFICE OF THE REGISTRAR OF COOK COUNTY, ON MAY 27, 1946, AS DOCUMENT NoLR 1108077

State of Illinois } ss.
County of Cook }

I, David Byrott, an Illinois Professional Land Surveyor, do hereby certify that I have performed a topographical survey of the property described in the caption of this plat and this plat is a correct representation of said survey.

dated at Arlington Heights, Illinois, this 16th day of September, 2017

by _____
as Illinois Professional Land Surveyor No. 2846

This professional service conforms to the current Illinois minimum standards for a topographical survey.
Field work completed on September 13, 2017.
All dimensions hereon shown unless it is otherwise noted are given in feet and decimal parts thereof.
Elevations shown hereon are based on the NAVD88 datum plane.
The area of the property surveyed equals 436,395 square feet which equals 10.02 acres.

Design Firm #184-005910
Expires April 30, 2019

FILE NO. 17-6751

for:
Arlington Heights Park District
410 North Arlington Heights Road
Arlington Heights, Illinois

from the office of:
Norman J. Toberman and Associates
115 South Wilke Road
Suite 301
Arlington Heights, Illinois
847-459-8225

NORMAN J. TOBERMAN & ASSOC.
SEPTEMBER 13, 2017

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ELECTRIC SIGN PROPOSAL AND ADDITION TO LEGACY/ARC PUD

750 W. NW HWY LAND ADDITION, TO BE AMENDED FOR THE PLANNED UNIT DEVELOPMENT OF ARC PUD

Issues & Revisions

#	Date	Description

North

Scale: 1" = 60'

0 30 60 120 180

Sheet Title

ARC PUD AT LEGACY PARK, EXISTING CONDITIONS PLAN

Date: November 18, 2024

EX-2

EXISTING LEGACY PARK/ARC
PUD TO REMAIN

ADDITION
TO PUD-
750 W.
NORTHWEST
HWY LAND

PROPOSED ELECTRONIC SIGN

Fernandez Avenue
(66' R.O.W.)

Salem Avenue
(66' R.O.W.)

Ridge Avenue
(66' R.O.W.)

Euclid Avenue
(66' R.O.W.)

Northwest Highway

N0° 05' 48"W 31.10
N89° 52' 34"E 132.36
N0° 06' 58"W 21.65
N89° 52' 34"E 132.36
N89° 51' 47"E 132.37
S0° 06' 23"E 21.62
N89° 52' 34"E 198.36
N0° 06' 13"W 608.09
S89° 51' 47"W 113.52
N0° 06' 23"W 133.00
S0° 07' 33"E 602.02
S89° 51' 47"W 482.40

MASTER PLAN PUD EXHIBIT

AHPD ELECTRIC SIGN PROPOSAL - PUD
ADDITIONS TO LEGACY/ARC PUD

Arlington Heights Park District

410 North Arlington Heights Road 847-577-3000

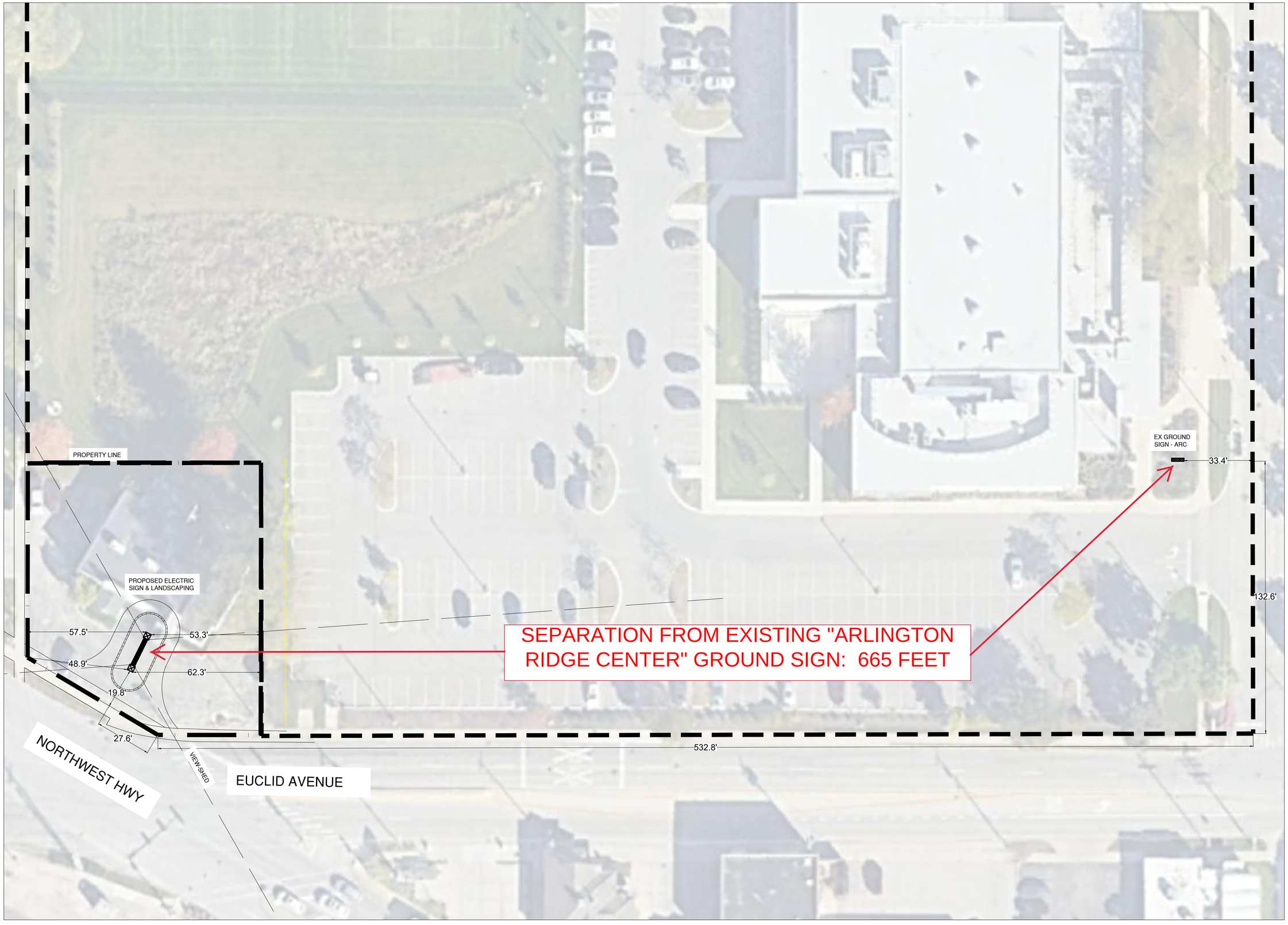
Date: November 18, 2024

Scale: 1" = 60'

0 30 60 120 180

North

SEPARATION FROM NEAREST
RESIDENTIAL USE: 232 FEET



Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ELECTRIC SIGN PROPOSAL AND ADDITION TO LEGACY/ARC PUD

Issues & Revisions

#	Date	Description

North

Scale: 1" = 20'

0 10 20 40 60

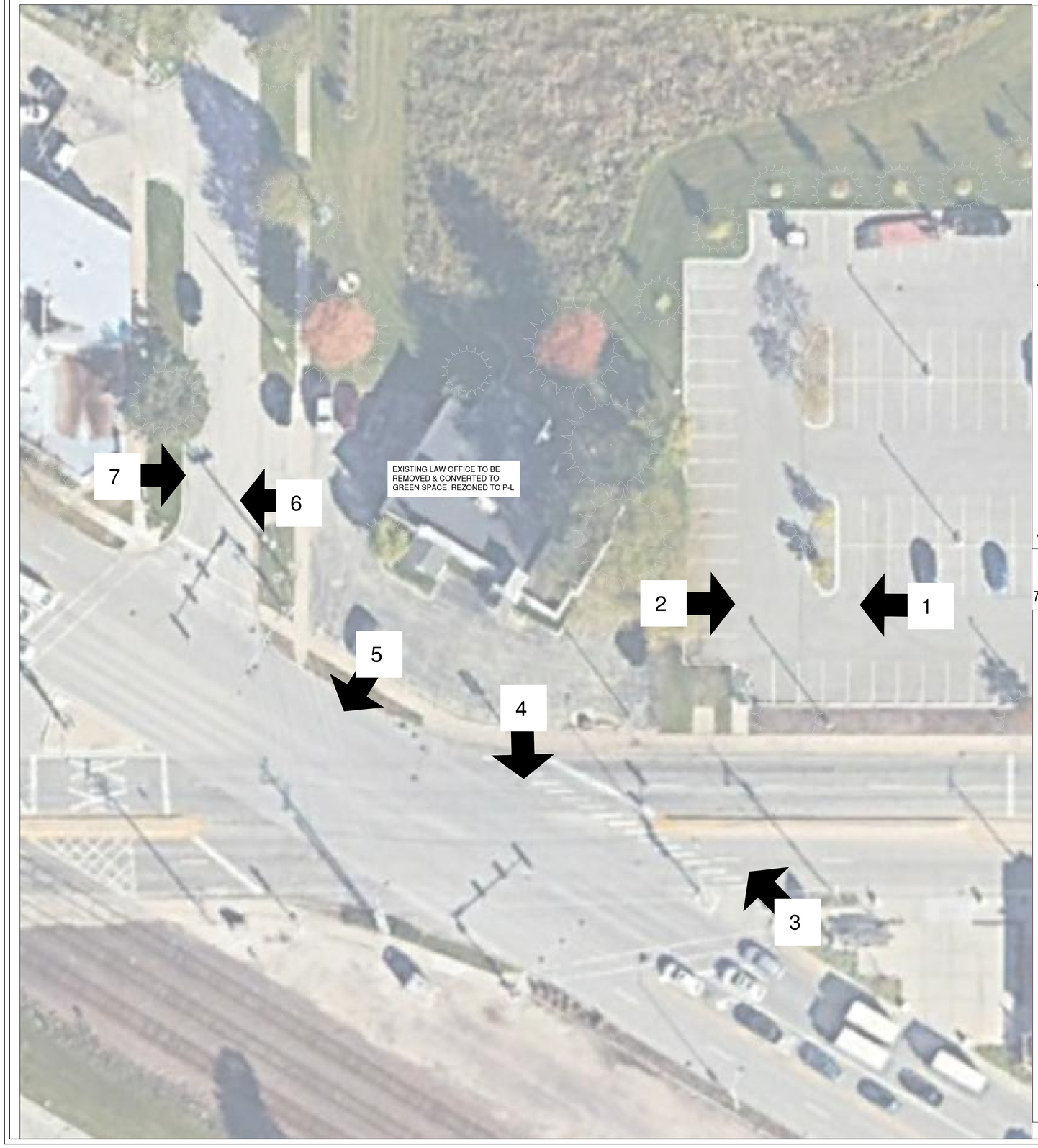
Sheet Title

GROUND SIGN TO SIGN EXHIBIT

Date: November 18, 2024

ES-4

750 W. NORTHWEST HWY PROPERTY - PHOTO EXHIBIT



ARC/LEGACY PARK PUD EXISTING GROUND SIGN PICTURES WITH DIMENSIONS

ARC SIGN LOOKING NORTH

ARC SIGN LOOKING WEST

ARC SIGN LOOKING SOUTH

ARC SIGN LOOKING EAST

750 W. NORTHWEST HIGHWAY VIEWS

#1-VIEW WEST TO SITE

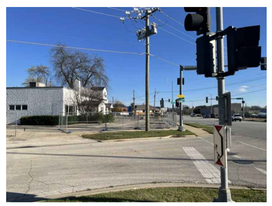
#2-VIEW EAST FROM SITE

#3-VIEW NORTHWEST TO SITE

#4-VIEW SOUTHWEST AT SITE

#5-VIEW SOUTHEAST FROM SITE

#6-VIEW WEST FROM SITE



#7-VIEW EAST TO SITE

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ELECTRIC SIGN PROPOSAL AND ADDITION TO LEGACY/ARC PUD

Issues & Revisions

#	Date	Description

North

Scale: 1" = 20'

0 10 20 40 60

Sheet Title

ELECTRIC SIGN EXISTING SITE PHOTOS

Date: November 18, 2024

ES-6

PLAT OF SURVEY

ALTA \NSPS LAND TITLE SURVEY

by

Michael J. Emmert Surveys, Inc.

North

W E

S

1 III. = 10 FT.
VERIFY SCALE
AGAINST THIS
GRAPHIC

VICINITY MAP

FLOOD ZONE

MICHAEL J. EMMERT SURVEYS, INC., DOES HEREBY CERTIFY THAT WE HAVE EXAMINED THE FLOOD INSURANCE RATE MAP OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY OF THE FEDERAL INSURANCE ADMINISTRATION AND DETERMINED THE FOLLOWING:
PROPERTY IS LOCATED WITHIN COMMUNITY NUMBER –
ON MAP DATED –
ON PANEL NUMBER –
AND FIND THAT THE PROPERTY IS LOCATED WITHIN ZONE X (AREA OF MINIMAL FLOOD HAZARD)

BEARING BASIS

THE CENTERLINE OF W. NORTHWEST HIGHWAY IS ASSUMED TO BE NORTH 59 DEGREES 14 MINUTES 03 SECONDS WEST

PARKING

AS BUILT PARKING SUMMARY
REGULAR SPACES – 15
HANDICAP SPACES – 1
TOTAL SPACES – 16

LEGALLY DESCRIBED AS FOLLOWS:

PARCEL 1:
LOTS 16, 17, 18 AND 19 IN BLOCK 18 IN R.A. CEPEK'S ARLINGTON RIDGE, BEING A SUBDIVISION OF THAT PART OF THE WEST HALF (EXCEPT THE EAST 33 FEET THEREOF) OF THE NORTHEAST QUARTER OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF SECTION 30, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING NORTH OF HE NORTHEASTERLY LINE OF THE NORTHWEST HIGHWAY, SAID NORTHEASTERLY LINE OF HIGHWAY BEING 66 FEET NORTHEASTERLY OF AND PARALLEL TO THE NORTHEASTERLY LINE OF CHICAGO AND NORTHWESTERN RAILWAY RIGHT OF WAY, IN COOK COUNTY, ILLINOIS.

PARCEL 2:
THE SOUTH HALF OF VACATED ALLEY LYING NORTH OF AND ADJOINING SAID LOTS 16, 17, 18 AND 19 IN BLOCK 18 IN R.A. CEPEK'S ARLINGTON RIDGE SUBDIVISION.

CONTAINING 13,902 SQ. FT. OR 0.3191 ACRES MORE OR LESS

REFERENCE BEING HAD TO LEGAL DESCRIPTION SHOWN IN SCHEDULE A OF TITLE INSURANCE COMMITMENT NUMBER 22GNW157202RM BEARING AN EFFECTIVE DATE OF SEPTEMBER 16, 2022 AS PREPARED BY CHICAGO TITLE INSURANCE COMPANY

THE SUBJECT PROPERTY ADJOINS SALEM AVENUE (A PUBLIC STREET) ON THE WEST AND ADJOINS W. NORTHWEST HIGHWAY (A PUBLIC STREET) ON THE SOUTHWEST AND ADJOINS EUCLID AVENUE (A PUBLIC STREET) ON THE SOUTH.
DIRECT ACCESS IS PROVIDED VIA THE AFOREMENTIONED STREETS.

SCHEDULE B GENERAL EXCEPTIONS

ITEMS 1 THROUGH 7 – NOT SURVEY RELATED
8. PERMANENT TAX NUMBER:
03-30-228-019-0000
03-30-228-020-0000
03-30=228-021-0000
ITEMS 9 THROUGH 18 – NOT SURVEY RELATED
END OF SCHEDULE B

NOTES:

1. SURVEY SHOWN HEREON IS AN "AS-BUILT" SURVEY.
2. SURVEY SHOWN HEREON IS LIMITED TO ABOVE GROUND VISIBLE IMPROVEMENTS AND NO UNDERGROUND INFORMATION IS INTENDED TO BE PROVIDED.
3. ALL UTILITIES APPEAR TO ENTER THE PROPERTY VIA A PUBLIC RIGHT OF WAY.
4. THE SUBJECT PROPERTY APPEARS TO DRAIN INTO A PUBLIC RIGHT OF WAY.
5. THERE IS NO OBSERVABLE EVIDENCE OF EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS WITHIN RECENT MONTHS.
6. THERE ARE NO CHANGES IN STREET RIGHT OF WAY LINES EITHER COMPLETED OR PROPOSED TO THE BEST OF OUR KNOWLEDGE, AND AVAILABLE FROM THE CONTROLLING JURISDICTION.
7. THERE IS NO OBSERVABLE EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.
8. THERE IS NO OBSERVABLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL OR CEMETERY.

AS PER MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS EFFECTIVE FEBRUARY 23, 2021 ITEM 7 CERTIFICATION
THE PLAT OR MAP OF AN ALTA/NSPS LAND TITLE SURVEY SHALL BEAR ONLY THE FOLLOWING CERTIFICATION, UNALTERED, EXCEPT AS MAY BE REQUIRED PURSUANT TO SECTION 3.B

TO: ARLINGTON HEIGHTS PARK DISTRICT, AN ILLINOIS PARK DISTRICT AND UNIT OF LOCAL GOVERNMENT AND
CHICAGO TITLE INSURANCE COMPANY

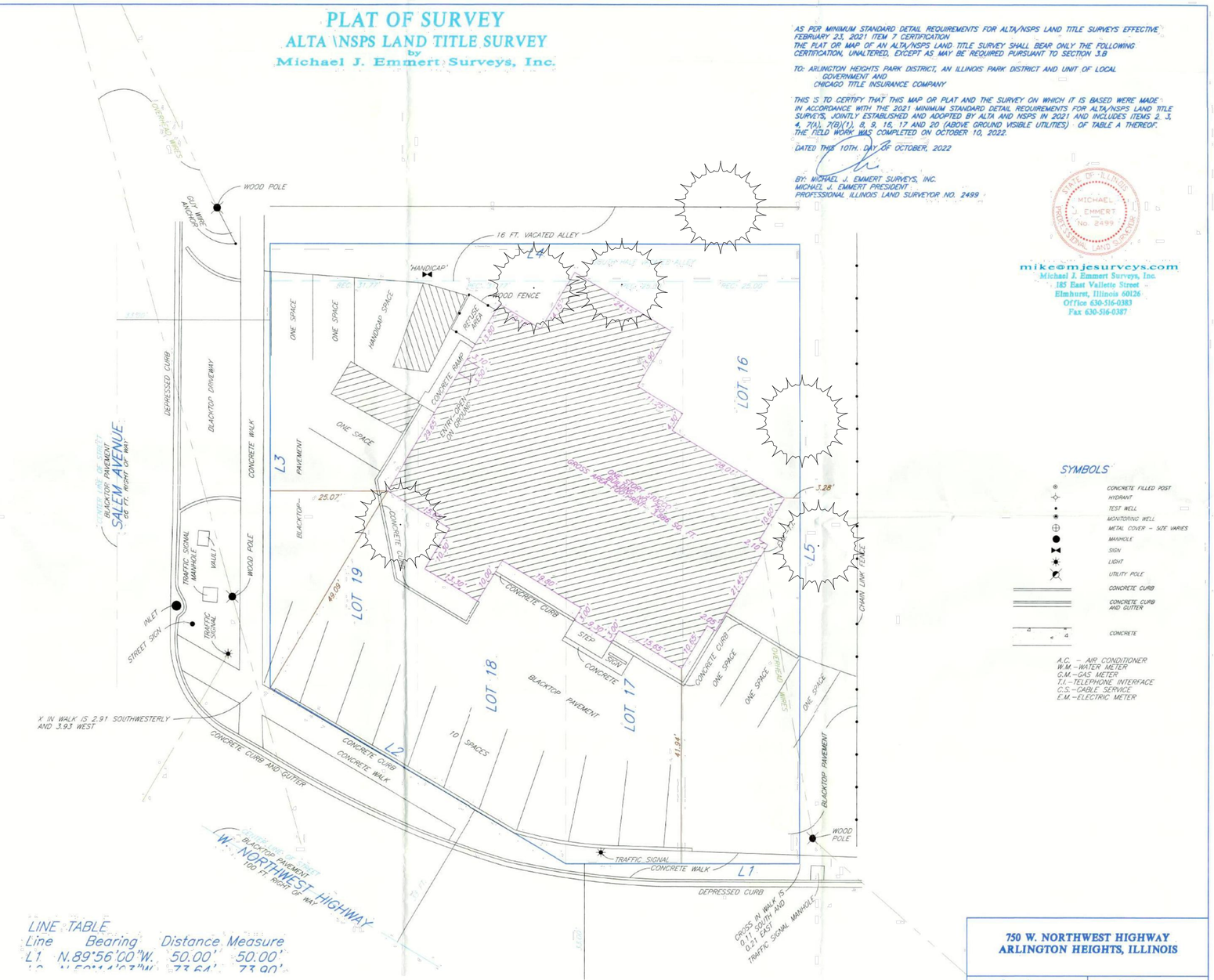
THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS IN 2021 AND INCLUDES ITEMS 2, 3, 4, 7(A), 7(B)(1), 8, 9, 15, 17 AND 20 (ABOVE GROUND VISIBLE UTILITIES) OF TABLE A THEREOF.
THE FIELD WORK WAS COMPLETED ON OCTOBER 10, 2022.

DATED THIS 10TH. DAY OF OCTOBER, 2022

BY: MICHAEL J. EMMERT SURVEYS, INC.
MICHAEL J. EMMERT PRESIDENT
PROFESSIONAL ILLINOIS LAND SURVEYOR NO. 2499

STATE OF ILLINOIS – MICHAEL J. EMMERT – NO. 2499 – PROFESSIONAL LAND SURVEYOR

mike@mjesurveys.com
Michael J. Emmert Surveys, Inc.
185 East Vallette Street
Elmhurst, Illinois 60126
Office 630-516-0383
Fax 630-516-0387



SYMBOLS

- CONCRETE FILLED POST
- HYDRANT
- TEST WELL
- MONITORING WELL
- METAL COVER – SIZE VARIES
- MANHOLE
- SIGN
- LIGHT
- UTILITY POLE
- CONCRETE CURB
- CONCRETE CURB AND GUTTER
- CONCRETE

A.C. – AIR CONDITIONER
W.M.–WATER METER
G.M.–GAS METER
T.I.–TELEPHONE INTERFACE
C.S.–CABLE SERVICE
E.M.–ELECTRIC METER

LINE TABLE

Line	Bearing	Distance	Measure
L1	N.89°56'00"W.	50.00'	50.00'

750 W. NORTHWEST HIGHWAY
ARLINGTON HEIGHTS, ILLINOIS

SCALE: 1" = 10' | CHKD. / AP'V'D:

MICHAEL J. EMMERT SURVEYS, INC; OCTOBER 10, 2022

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ELECTRIC SIGN PROPOSAL AND ADDITION TO LEGACY/ARC PUD

750 W. NW HWY LAND ADDITION, TO BE AMENDED FOR THE PLANNED UNIT DEVELOPMENT OF ARC PUD

Issues & Revisions

#	Date	Description

North

Scale: 1" = 12'

0 6 12 24 36

Sheet Title

750 W. NW HWY LAND ADDITION, EXISTING CONDITIONS PLAN

Date: November 18, 2024

EX-1

PUD SUMMARY

ITEM	ACTION	NOTES
APPROVAL NEEDED	Re-zoning from B-2 to P-L with the 750 W Northwest Highway Property.	750 W. Northwest Highway Property to be added to the adjecent park and an electronic message sign placed on it.
AMMENDMENT NEEDED	Update the Village's Comprehensive Plan from "Offices Only" at 750 W. Northwest Highway, to "Parks."	Building to be taken down and greenspace added.
AMMENDMENT NEEDED	Amedn the existing Planned Unit Development (PUD) to include 750 W. Northwest Highway parcel.	Building to be taken down and greenspace added.

Zoning Sign Requirements

ITEM	CODE REQUIREMENT	NOTES
Location	**Section 30-701:** Electronic Message Signs are only allowed in designated major arterial commercial corridors.	**Variation required** to allow an electronic message sign on a non-desingated road.
Number	**Section 30-302:** A minimum of 800 feet of separation is required between ground signs measured along the right of way lines.	**Variation required** to allow a ground sign with a 650 foot separation from the existing ground sign (exact distance to be determined).
Setback	**Section 30-301.b:** 15 feet minimum setback is required for ground signs in a P-L (Public Land) Zoning District. Note: Section 30-301.c: a 12 foot clear visibility triangle is required at the street intersection.	**Meets the requirement**. Approximately 15 foot setback. **Meets the 12' visibility triangle requirement.**
Height	**Section 30-203.b:** Ground signs accessory to be a permitted non-residential use shall not exceed six feet in height.	**Variation required -** allow 10'-5-1/4" tall sign.
Size	**Section 30-705.c:** Ground signs accessory to a permitted non-residential use shall not exceed 25 square feet. Note: While not specifically noted in code, it si the Planning Department's policy to allow a maximum 80% additional area for the sign structure. in this case, 25 sf x .80=20sf plus 25 sf=45 sf total allowed combine sign and sign structure. **Section 30-705.c:** Maximum size of an electronic message sign shall be no more than 33% of the allowable ground sign size. Electronic message Sign max. size=8.25 sf. Proposed Sign Summary: AHPD sign= 4sf, Electronic message sign = 32 sf, Total proposed signage =36sf.	**Variation required** to allow a 36 sf ground sign, where 25 square feet is the max allowed. **Variation required** to allow a 32 sf electronic message sign, where 8.25 sf would be the maximum allowed.
Design	**Section 30-203.b:** All signs must be designed to be compatible with the architectural style of the development. **Section 30-705.a:** Electronic message signs are only permitted on monument style ground signs (pole mounted not allowed).	**Meets the requirement.**
Display	**Section 30-705.b:** Only high resolution full color electronic displays are allowed.	**Meets requirement.**
Arrangment	**Section 30-705.c:** The electronic portion of the sign must be the lower portion of the sign.	**Meets the requirement. .**
Quantity	**Section 30-705.d:** Only one electronic message sign per property is permitted.	**Meets the requirement.**
Spacing	**Section 30-705e:** Minimum 300 feet spacing is required between electronic message signs on the same side of any street.	**Meets requirement.**
Separation from Residential	**Section 30-705.f:** Electronic Message Signs are not permitted within 300 feet of any property being used for a residential use.	**Variation required** to allow an electronic sign approximately 265 feet from a residential use (exact distance to be confirmed). Trees currently screen views.
Orientation	**Section 30-705.g:** Electronic message signs must be oriented perpendicular to the roadway.	**Meets requirement.**
Landscaping	**Section 30-301.e:** The area under a ground sign must be landscaped a minimum of two feet out from the sign base.	**Exceeds the requirments.**

EXISTING TREES BLOCK VIEWS - ELECTRIC SIGN

N. SALEM AVE.

PROPERTY LINE

15'

15' SETBACK

82.5'

EXISTING LAW OFFICE TO BE REMOVED & CONVERTED TO GREEN SPACE, REZONED TO P-L

EXISTING PARKING LOT FOR THE ARC FITNESS CENTER

57.5'

53.3'

PROPOSED ELECTRIC SIGN & LANDSCAPING

48.9'

15'

62.3'

VIEW-SHED

15' REQUIRED SETBACK FOR P-L

19.8'

VIEW-SHED

EUCLID AVENUE

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ELECTRIC SIGN PROPOSAL AND ADDITION TO LEGACY/ARC PUD

Date: 7-15-2024
License expires, 8-31-2025

LICENSED LANDSCAPE ARCHITECT
SUSAN ROHNER
157.001778
STATE OF ILLINOIS

Issues & Revisions

#	Date	Description

North

Scale: 1" = 10'

0 5 10 20 30

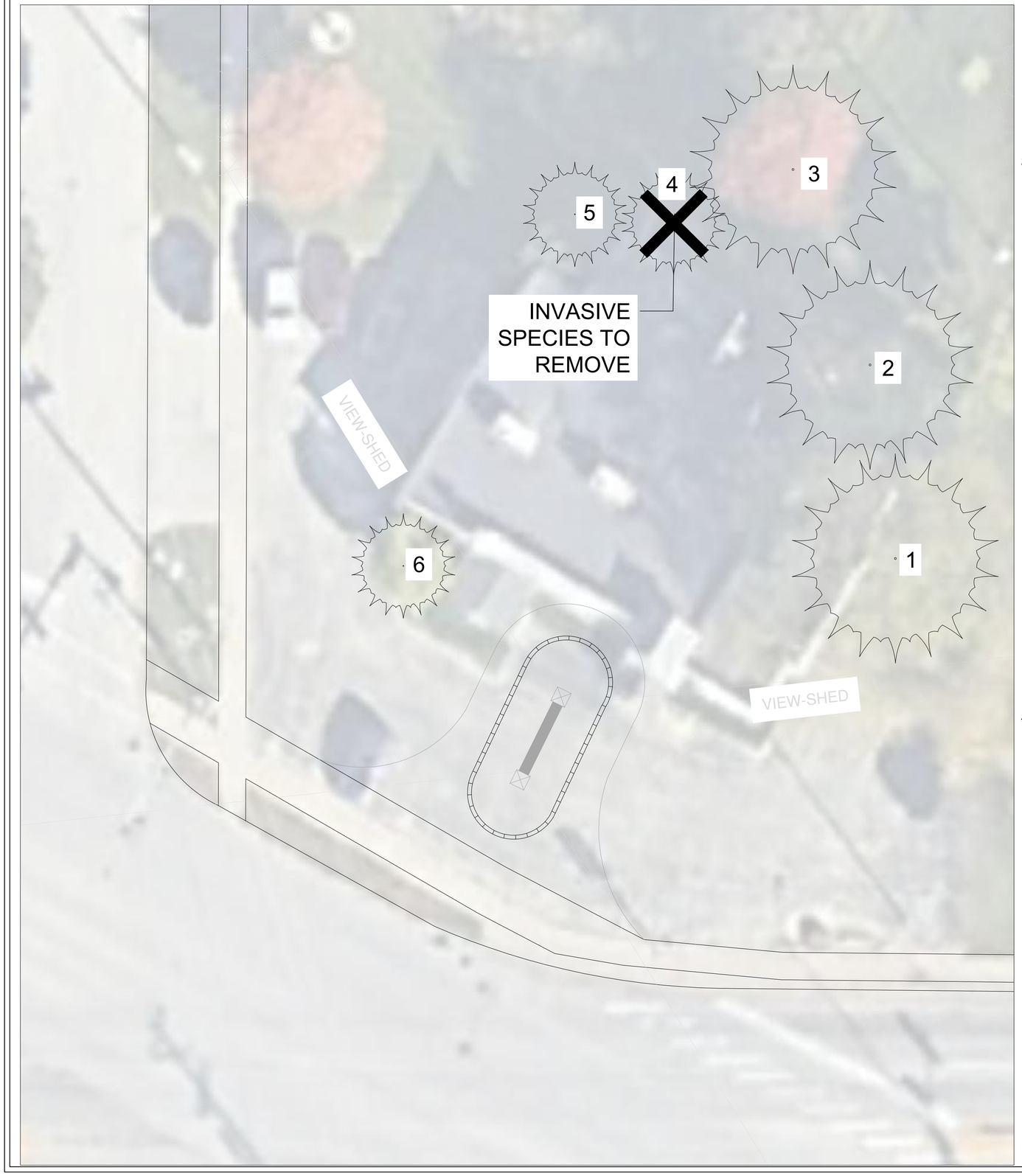
Sheet Title

ELECTRIC SIGN SITE PLAN

Date: November 18, 2024

ES-1

DOUBLE SIDED ELECTRIC SIGN & NEW LEGACY PARK AQUISTION



EXISTING TREE INVENTORY

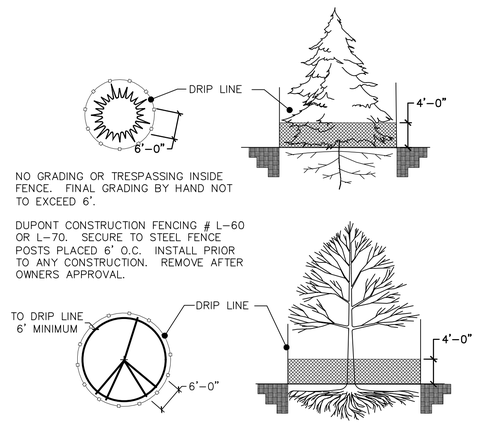
Tree Inventory & Preservation Schedule

Tag#	Condition	Botanical name	Common name	DBH (inches)	Remove/Protect	Preservation Strategy	Replacement Qty.
1	Excellent	Gleditsia triacanthos	Common Honeylocust	40"	Protect	Tree Protection & Root Prune	0
2	Excellent	Acer rubrum	Red Maple	18"	Protect	Tree Protection & Root Prune	0
3	Excellent	Acer rubrum	Red Maple	13"	Protect	Tree Protection & Root Prune	0
4	Good	Ailanthus altissima	Tree of Heaven (INVASIVE SPECIES)	4"	Remove	None	Not applicable
5	Fair	Malus species	Crabapple	7"	Protect	Tree Protection & Root Prune	0
6	Fair	Malus species	Crabapple	8"	Protect	Tree Protection & Root Prune	0

SITE PREPARATION AND REMOVALS NOTES

1. CONTRACTOR SHALL INSTALL CONSTRUCTION FENCE AT THE LIMITS OF CONSTRUCTION PRIOR TO BEGINNING WORK. MAINTAIN AND ADJUST CONSTRUCTION FENCING AS NEEDED DURING PROGRESS OF CONSTRUCTION. STAGING AND CONSTRUCTION ACCESS SHALL BE APPROVED BY THE OWNER.
2. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING AS SHOWN ON THE PLANS PRIOR TO BEGINNING WORK, THEN MAINTAIN IT THROUGHOUT THE DURATION OF THE PROJECT. STORAGE OF MATERIALS, VEHICULAR ACCESS AND ALL OTHER CONSTRUCTION ACTIVITIES ARE STRICTLY PROHIBITED WITHIN THE LIMITS OF THE TREE PROTECTION FENCING.
3. PLANS INDICATE GENERAL LOCATION AND LIMITS OF REMOVALS. CONTRACTOR SHALL PERFORM REMOVALS ONLY AS NECESSARY FOR CONSTRUCTION OF PROPOSED IMPROVEMENTS. NO ADDITIONAL PAYMENTS WILL BE MADE FOR REMOVALS OR RESTORATION NOT REQUIRED TO CONSTRUCT THE IMPROVEMENTS AS DRAWN AND SPECIFIED. REFER TO SITE PLAN FOR MORE SPECIFIC INFORMATION REGARDING PROPOSED IMPROVEMENTS AND TO VERIFY CONDITIONS IN THE FIELD PRIOR TO PERFORMING REMOVALS.
4. SAWCUT AND REMOVE CONCRETE PAVING TO NEAREST JOINT WHERE INDICATED. ALL SAW CUTS REQUIRED FOR REMOVAL ITEMS TO BE INCLUDED IN THE UNIT COST OF THAT PARTICULAR PAY ITEM.
5. TREE STUMPS SHALL BE GROUND TO A MINIMUM DEPTH OF 18 INCHES BELOW EXISTING GRADE OR AS REQUIRED TO PROPERLY PERFORM THE WORK.
6. CONTRACTOR TO WALK THE SITE WITH LANDSCAPE ARCHITECT AND OWNER TO REVIEW ROOT PRUNING LIMITS PRIOR TO PERFORMING ROOT PRUNING.
7. REMOVE AND DISPOSE OF TURF WHERE PLANTING BEDS ARE DESIGNATED. REFER TO PLANTING PLAN FOR LIMITS OF PROPOSED LANDSCAPE IMPROVEMENTS.
8. WHERE TURF AND PLANTINGS ARE PROPOSED IN EXISTING PAVED AREAS, REMOVE ALL BASE MATERIAL.
9. REMOVE ALL UTILITIES DESIGNATED FOR REMOVAL TO EXTENT REQUIRED FOR IMPROVEMENTS, UNLESS OTHERWISE NOTED. CAP ENDS OF ANY UNDERGROUND CONDUIT AND PIPING, AND PULL ALL ELECTRICAL WIRE OUT AT SOURCE.
10. ITEMS INDICATED FOR REMOVAL SHALL INCLUDE COMPLETE REMOVAL OF ABOVE GRADE ITEM AND BELOW GRADE APPURTANCES (FOUNDATIONS, URBAN FILL, WIRING, PIPING, ETC.) INCLUDING DISPOSAL OFF-SITE FOLLOWING APPLICABLE CODES AND ORDINANCES, UNLESS OTHERWISE SHOWN ON THE PLANS.
11. ITEMS INDICATED AS REMOVE AND SALVAGE SHALL INCLUDE CAREFUL PROTECTION, REMOVAL AND STORAGE OF ITEMS. FOR REINSTALL ITEMS, CONTRACTOR SHALL STORE DURING CONSTRUCTION. ALL OTHER SALVAGE ITEMS SHALL BE DELIVERED TO LOCATION AS INDICATED BY OWNER UNLESS OTHERWISE SHOWN ON THE PLANS.
12. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND ALL OTHER SITE FEATURES NOT DESIGNATED FOR REMOVAL. CONTRACTOR IS RESPONSIBLE FOR REPLACING/REPAIRING ANY EXISTING UTILITIES OR OTHER SIDE FEATURES DAMAGED DURING CONSTRUCTION TO THE ORIGINAL CONDITION AT NO COST TO THE OWNER.
13. CONTRACTOR RESPONSIBLE FOR MAINTAINING EXISTING UTILITY SERVICES (ELECTRICAL, SANITARY, STORM) DURING CONSTRUCTION UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS.
14. CONTRACTOR SHALL COORDINATE ALL WORK SO PUBLIC SIDEWALK REMAINS OPEN THROUGHOUT CONSTRUCTION.
15. REFER TO UTILITY PLANS FOR ADDITIONAL UTILITY ADJUSTMENTS AND REMOVALS.
16. REFER TO SPECIFICATIONS FOR ADDITIONAL CONDITIONS, STANDARDS AND NOTES, IF APPLICABLE.

TYPICAL TREE PROTECTION CONSTRUCTION DETAIL



1 CONSTRUCTION & TREE PROTECTION FENCE

NOT TO SCALE

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ELECTRIC SIGN PROPOSAL AND ADDITION TO LEGACY/ARC PUD

Date: 7-15-2024
License expires, 8-31-2025

LICENSED LANDSCAPE ARCHITECT
SUSAN ROHNER
157.001778
STATE OF ILLINOIS

Issues & Revisions		
#	Date	Description

North

Scale: 1" = 10'

0 5 10 20 30

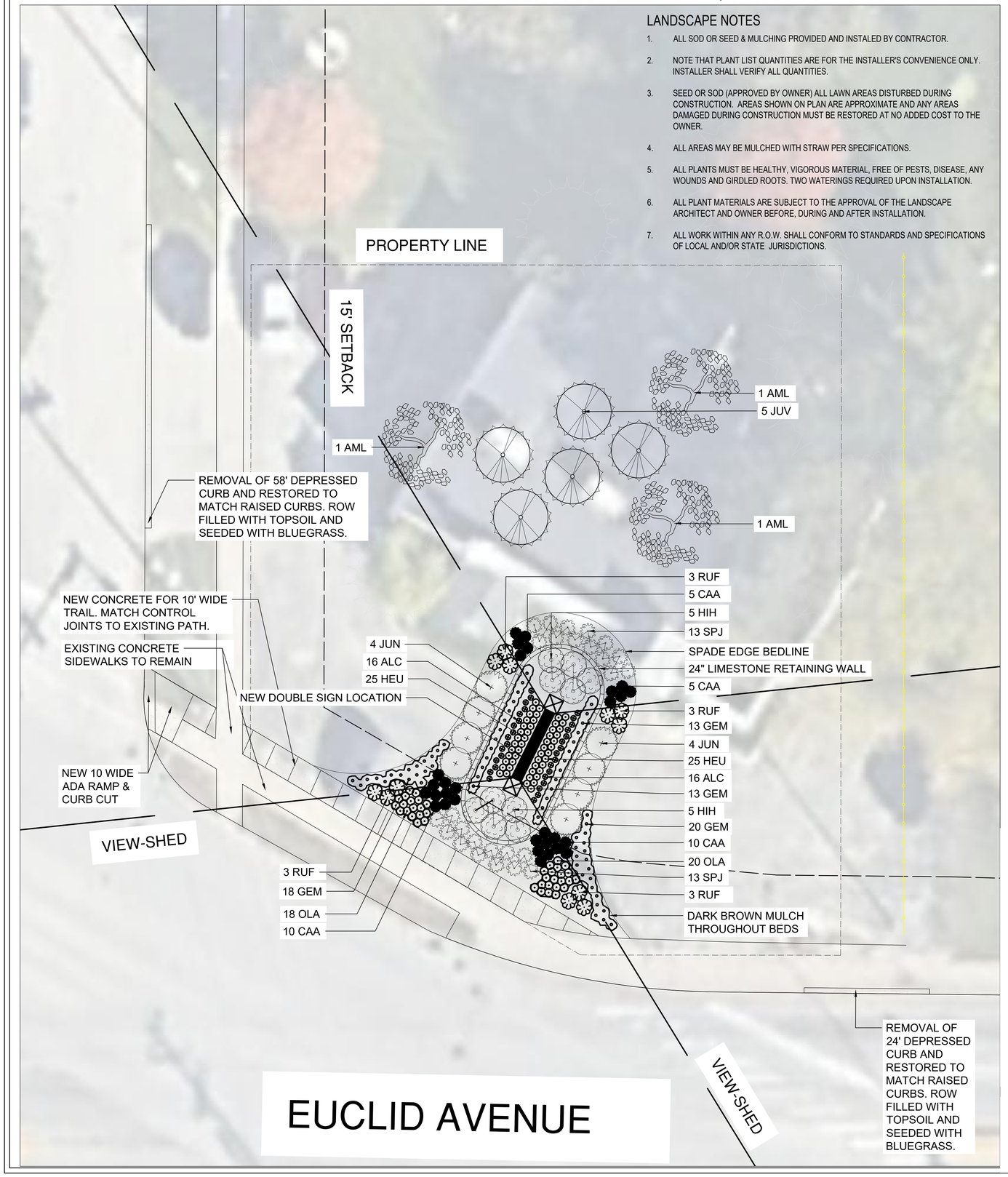
Sheet Title

ELECTRIC SIGN TREE PRESERVATION PLAN

Date: November 18, 2024

ES-2

DOUBLE SIDED ELECTRIC SIGN & NEW LEGACY PARK ACQUISITION



LANDSCAPE NOTES

1. ALL SOD OR SEED & MULCHING PROVIDED AND INSTALED BY CONTRACTOR.
2. NOTE THAT PLANT LIST QUANTITIES ARE FOR THE INSTALLER'S CONVENIENCE ONLY. INSTALLER SHALL VERIFY ALL QUANTITIES.
3. SEED OR SOD (APPROVED BY OWNER) ALL LAWN AREAS DISTURBED DURING CONSTRUCTION. AREAS SHOWN ON PLAN ARE APPROXIMATE AND ANY AREAS DAMAGED DURING CONSTRUCTION MUST BE RESTORED AT NO ADDED COST TO THE OWNER.
4. ALL AREAS MAY BE MULCHED WITH STRAW PER SPECIFICATIONS.
5. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS, DISEASE, ANY WOUNDS AND GIRDLED ROOTS. TWO WATERINGS REQUIRED UPON INSTALLATION.
6. ALL PLANT MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER BEFORE, DURING AND AFTER INSTALLATION.
7. ALL WORK WITHIN ANY R.O.W. SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTIONS.

LANDSCAPE PLANT PICTURES

HILLSPIRE RED CEDAR

SERVICEBERRY

ROSE MALLOW

SPIREA

WHITE TINGED SEDGE

WILD ONION

CRANESBILL

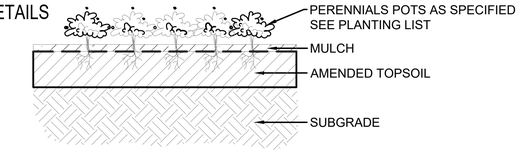
ALUMROOT

WHITE GOLDENROD

BLACK EYED SUSAN

DWARF JUNIPER GROUNDCOVER

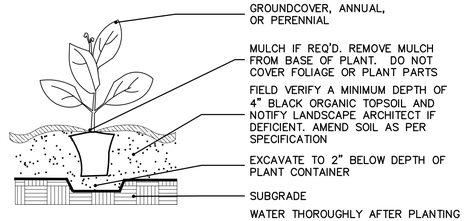
LANDSCAPE DETAILS



SECTION

1 GROUNDCOVER/PERENNIAL/PLANTING LAYOUT

NOT TO SCALE



2 GROUNDCOVER/PERENNIAL/ANNUAL

NOT TO SCALE

LANDSCAPE PLANT LIST

Plant Schedule

Legacy Park Electric Sign

Qty.	Symbol	Botanical name	Common name	Size	Notes
		EVERGREEN TREES			
5	JUV	Juniper virginiana 'Cupressifolia'	Hillspire Eastern Red Cedar	6' Clump	B&B
		ORNAMENTAL TREES			
3	AML	Amelanchier laevis	Allegheny Serviceberry	6' Clump	B&B
		SHRUBS			
10	HIH	Hibiscus 'Holy Grail'	Rose Mallow	5 Gallon	#5
26	SPJ	Spirea japonica 'Tracy'	Double Play Big Bang Spirea	3 Gallon	#3
		ORNAMENTAL GRASSES			
30	CAA	Carex albicans	White Tinged Sedge	10 flat	#1
		PERENNIALS			
32	ALC	Allium cernuum	Nodding Wild Onion	1 Gallon	#1
64	GEM	Geranium sanguineum 'Max Frei'	Max Frei Bloody Cranesbill	1 Gallon	#1
50	HEC	Heuchera 'Caramel'	Caramel Alumroot	1 Gallon	#1
38	OLA	Oligoneuron album	White Goldenrod	38 flat	#1
12	RUF	Rudbeckia fulgida var speciosa	Showy Black-eyed Susan	1 Gallon	#1
		EVERGREEN GROUNDCOVER			
8	JUN	Juniper procumbens 'Nana'	Dwarf Japanese Garden Juniper	3 Gallon	#3
		SEED AND SOD AREAS			
		SEED. ALTERNATIVE BID—SOD	Quantities determined by Contractor		

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LICENSED LANDSCAPE ARCHITECT
SUSAN ROHNER
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STATE OF ILLINOIS

Issues & Revisions		
#	Date	Description

North

Scale: 1" = 10'

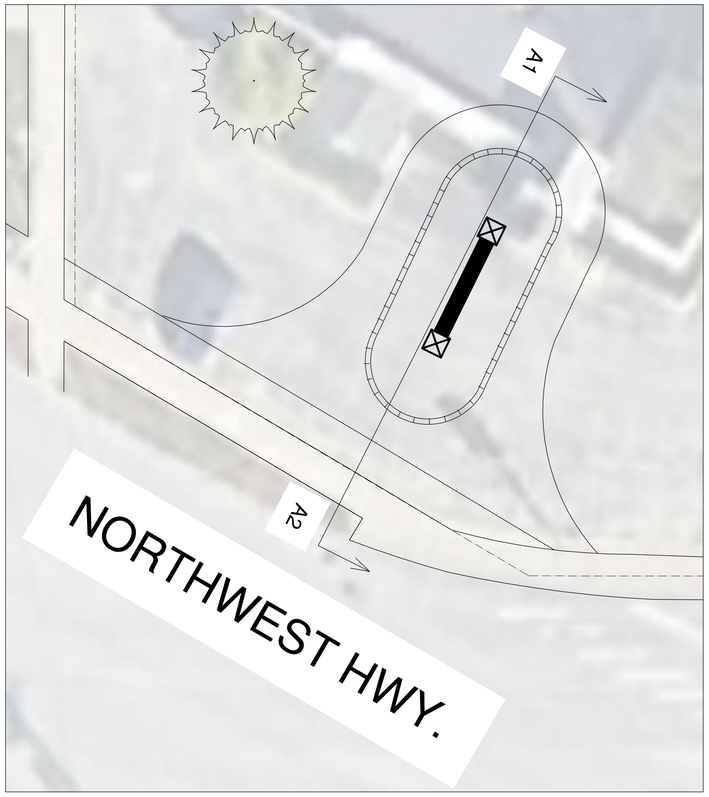
0 5 10 20 30

Sheet Title

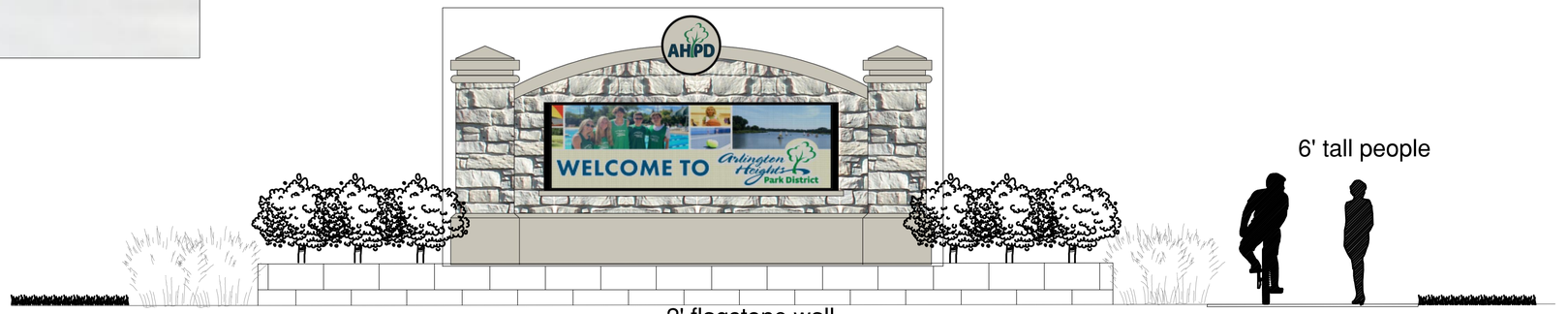
ELECTRIC SIGN LANDSCAPE PLAN

Date: November 18, 2024

ES-3



ELEVATION REFERENCE



ELEVATION DRAWING WITH 10' 5 $\frac{1}{4}$" SIGN

A1

A2

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

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#	Date	Description

North

Scale: 1" = 10'

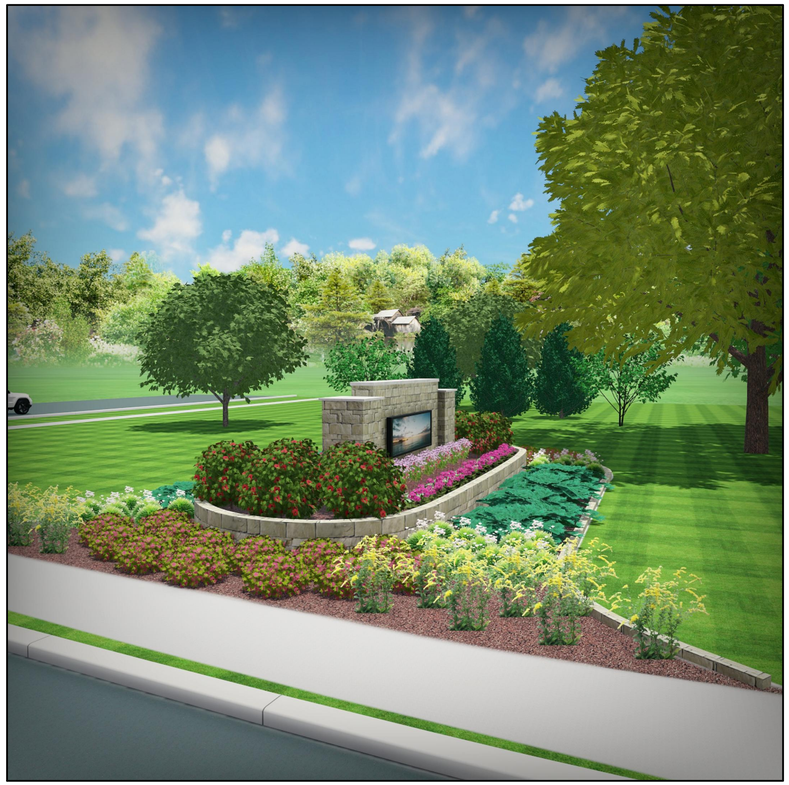
0 5 10 20 30

Sheet Title

ELECTRIC SIGN ELEVATION VIEW

Date: November 18, 2024

ES-5



Arlington Heights Park District

410 North Arlington Heights Road
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AHPD ELECTRIC SIGN PROPOSAL AND ADDITION TO LEGACY/ARC PUD

Issues & Revisions

#	Date	Description

Scale: NOT TO SCALE

Sheet Title

750 W. NW HWY LAND ADDITION, PERSPECTIVE VIEWS

Date: November 18, 2024

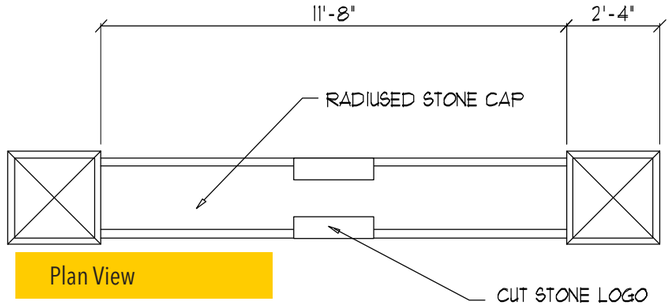
P-1

EXISTING VILLAGE OF ARLINGTON HEIGHTS
ELECTORNIC COMMUNITY CIVIC EVENTS SIGN

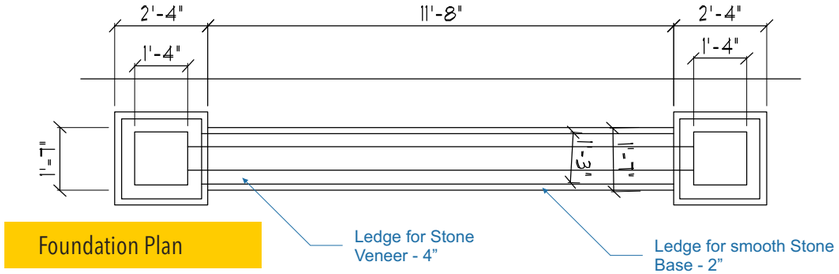
Monument Sign

Full masonry + EMC

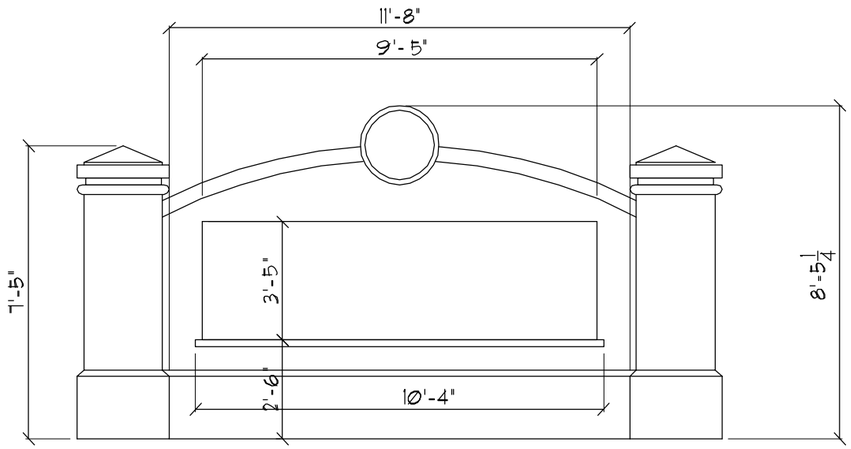
Final Proposed



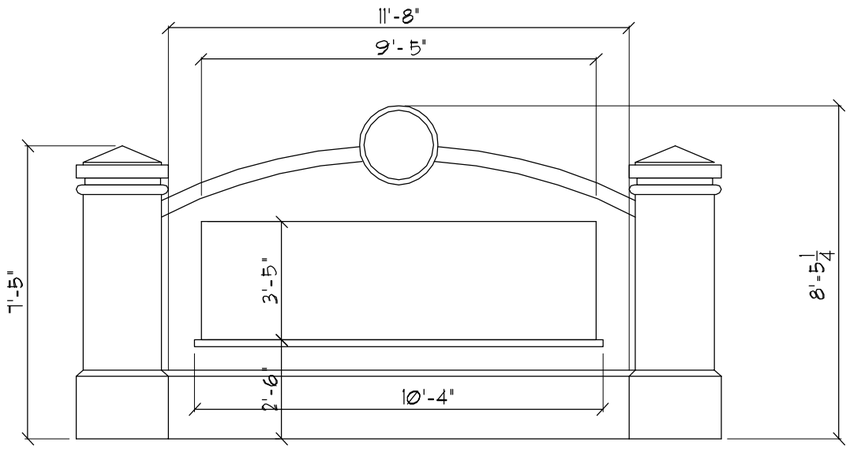
Plan View



Foundation Plan



South Elevation



North Elevation

Fabricate and install one (1) D/F ground sign with actual masonry and one (1) 3' x 9' Watchfire EMC

Materials: Fabricate and install sign of aluminum , masonry and EMC Unit.

EMC Cabinet Size: 41in H x 9ft 3in L x 5in D
Viewing Area: 36in H x 9ft L

Finish: All exposed metal surfaces to be coated with acrylic polyurethane.

SCALE 3/8"=1'	Drawn By: PJ
Masonry	-----
EMC Readerboard Unit	------
Aluminum Cabinet (EMC Housing) - Black	Paint

Computer generated colors are not a true match to any PMS, vinyl or paint. Rendering shown is for concept only. Actual scale and placement shown are approximate.

All Signs Shall Be Installed In Accordance With N.E.C. Article 600

Engineering Specifications
All Signs Fabricated as per A.S.A. Specifications & 2018 I.B.C.

Electrical Specifications
All Signs Fabricated as per 2017 N.E.C. Specifications

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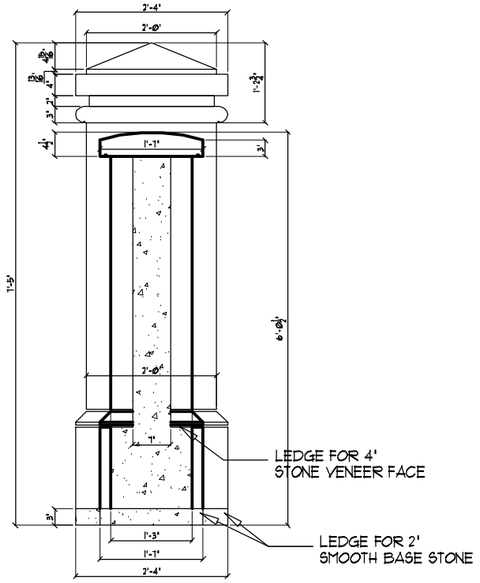
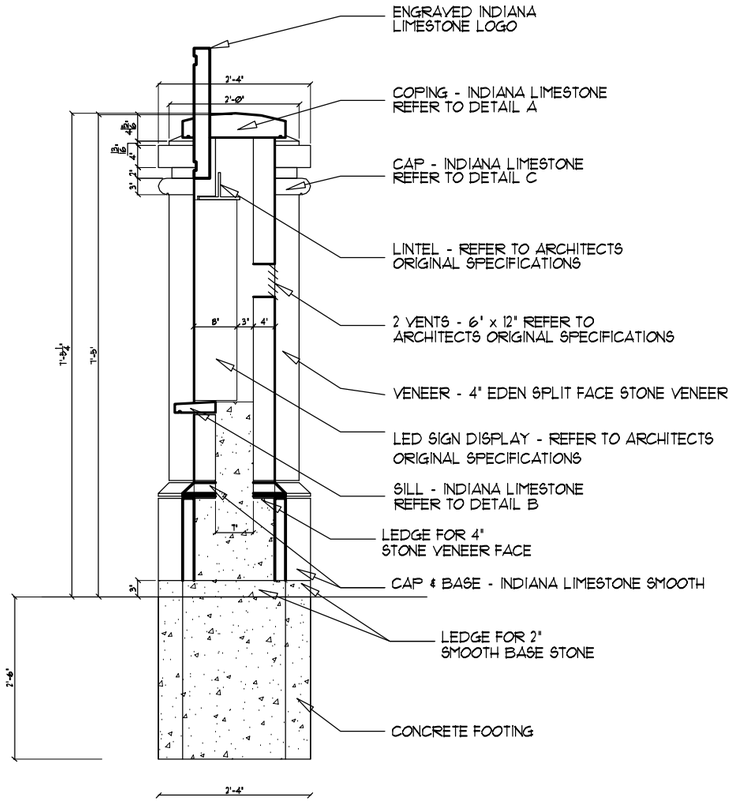
Prepared For: Arlington Heights Park District	**Address:** 410 N. Arlington Heights Rd
Location Name:	**City/State:** Arlington Heights, IL 60004

Drwg: 240265	**Sheet:** 1	**Design Date:** 07/02/2024
Rev A:		Rev D:
Rev B:		Rev E:
Rev C:		Rev F:

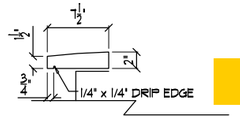
LANDLORD APPROVAL SIGNATURE

Fabrication Details / Footing

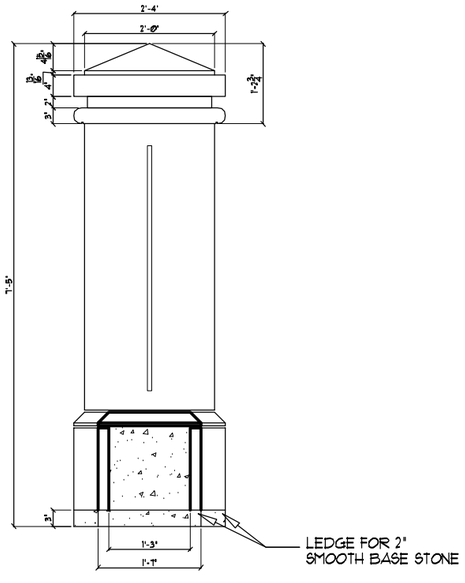


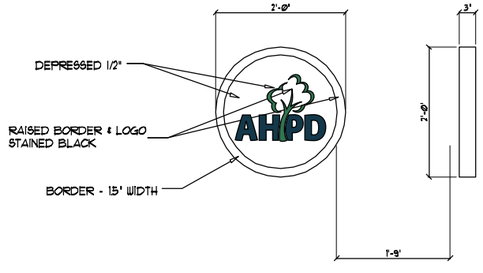


Coping

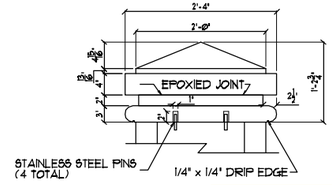


Sign Sill





Logo Detail



Column Cap

Drawn By: PJ

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All Signs Shall Be Installed In Accordance With N.E.C. Article 600

Engineering Specifications
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Electrical Specifications
All Signs Fabricated as per 2017 N.E.C. Specifications

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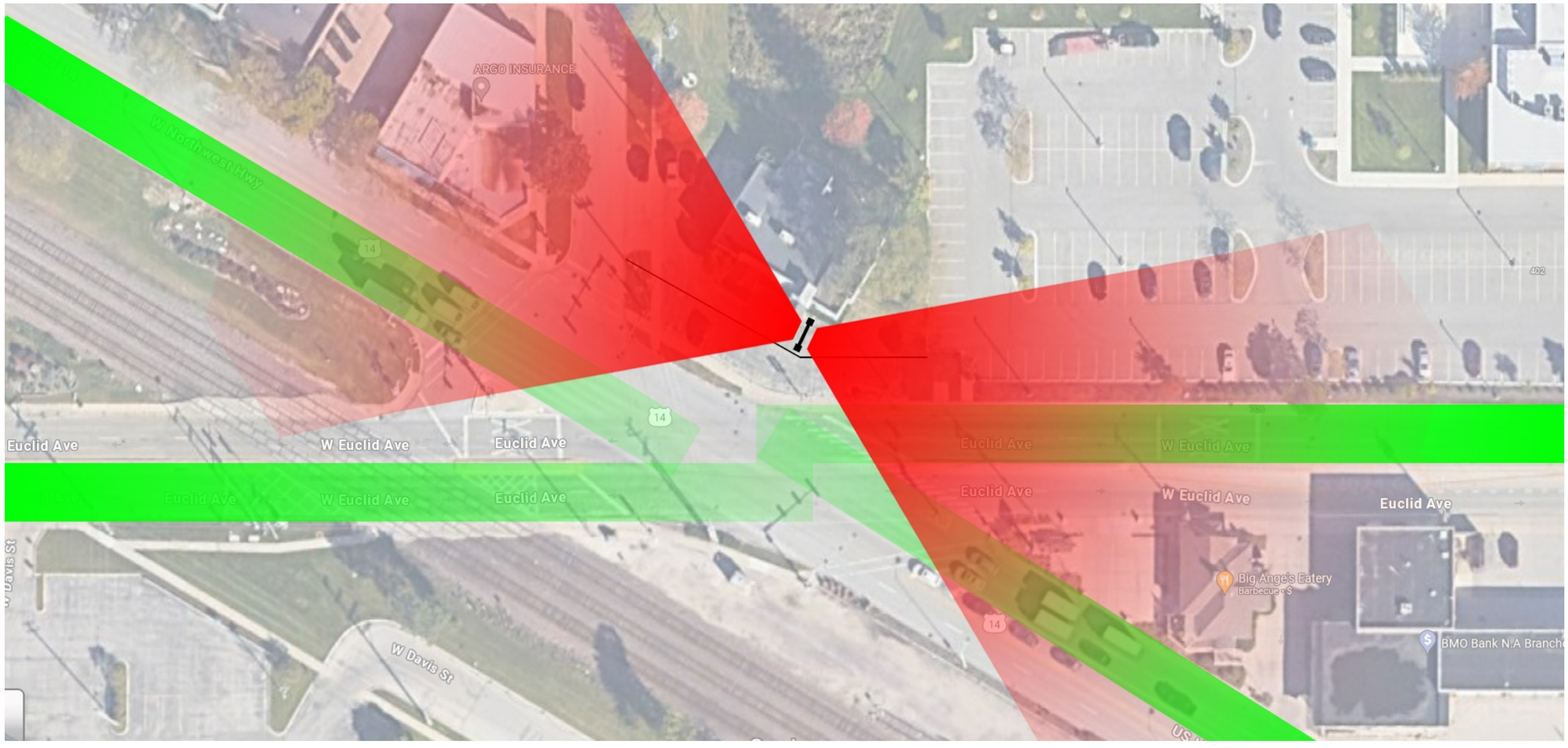
Location Name:	**City/State:** Arlington Heights, IL 60004	Rev A:	Rev D:	**LANDLORD APPROVAL SIGNATURE**
		Rev B:	Rev E:	
		Rev C:	Rev F:	

Aerial View 1 - Location 3



	Drawn By: PJ

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All Signs Shall Be Installed In Accordance With N.E.C. Article 600

Engineering Specifications	Electrical Specifications
All Signs Fabricated as per A.S.A. Specifications & 2018 I.B.C.	All Signs Fabricated as per 2017 N.E.C. Specifications

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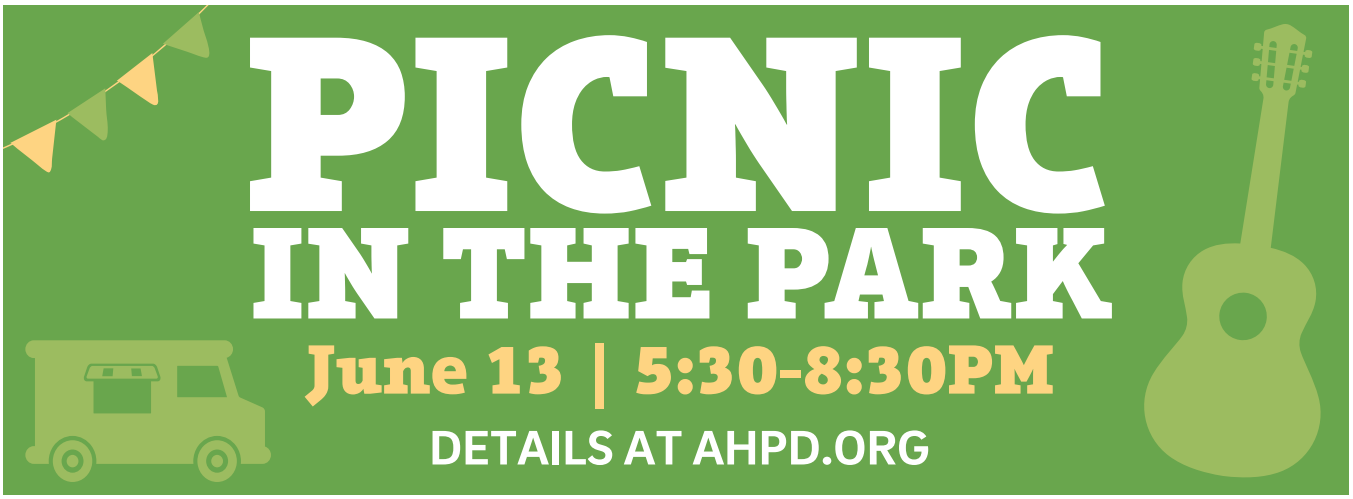
		Rev B:		Rev E:	
		Rev C:		Rev F:	



EXAMPLES OF MESSAGES TO BE DISPLAYED ON THE ELECTRONIC SIGN

PRODUCT FACT SHEET - 10mm

watchfire

10mm

Watchfire's 10mm signs are ideal for outdoor locations with pedestrian traffic, a nearby busy intersection or traffic congestion. This high-resolution display is ideal for detailed product photos and branded messages.

Our 10mm modules feature advanced surface mount LED technology designed to deliver vibrant images. For LED signs that are closer to your audience, you can improve the visual impact and flexibility of your messaging.

Watchfire 10mm Ilderton Dodge Chrysler Jeep Ram • 5'5" x 10'3"

FEATURES

Patented front ventilation, a slim cabinet and beveled module edges offer near-seamless installation, even around curves and corners. Every XVS 10mm sign includes live video capability, whole-sign color and brightness calibration, and automated sign diagnostics.

Watchfire's 10mm SMD modules contain red, green and blue LEDs under a single lens. This produces a high-quality display that provides exceptional resolution for crisp, vivid content and wider viewing angles. High-efficiency components reduce operating costs to maximize return on investment.

Our free Ignite content management software is the industry's premiere solution for designing messages, convenient scheduling, and updating your sign.

ENGINEERED AND BUILT FOR RELIABILITY AND QUALITY

Every module is encapsulated for rugged durability in all kinds of weather. Cabinets are rated for temperatures ranging from -40°F to 140°F. Electronics are rated from -40°F to 185°F .

The average energy use equals about one-third of maximum amperage. All signs are UL 48 and CUL48 listed and UL Energy Efficiency Certified.

Displays are verified and comply with FCC regulations regarding emissions interference.

Watchfire's industry best 5-year warranty covers all Watchfire manufactured parts and factory labor. It comes standard with every LED sign we sell.

10mm Sign Features	W-Series	XVS
Pixel Pitch	10.16 mm (0.4")	10.16 mm (0.4")
Pixel Configuration	SMD 3-in-1	SMD 3-in-1
Character Height	2.8" & larger	2.8" & larger
Module Dimensions (HxW)	12" x 12"	12" x 12"
Matrix Configuration	30 x 30 pixels	30 x 30 pixels
Color Capability	1.2 quintillion	1.2 quintillion
Viewing Angle	150° horizontal, +29°/-45° vertical	150° horizontal, +29°/-45° vertical
Video Frame Rate	Up to 30 fps	Up to 60 fps
Max Brightness	7,000 nits	7,000 nits
Power	120 or 240 volt single phase 60Hz	120 or 240 volt single phase 60Hz
Communications Options	RWF, High Security Radio, 4G Wireless, High Speed Fiber	RWF, High Security Radio, 4G Wireless, High Speed Fiber

Watchfire manufactures LED signs to fit almost any application. Sign sizes are based on a module size of approximately 12" x 12".

It's time to make the most cost-effective, dynamic advertising tool on the market work for you.

For more information, contact your Watchfire representative.

DETAILED SPECIFICATION SHEET

watchfire

10mm COLOR LED SIGN

Standard Watchfire Features	
Application	Advertising and branding
Module type	Smart module, fully self contained
LED encapsulation	Fully encapsulated
Compliance information	UL 48, CUL 48; Complies with FCC Part 15 regulations for Class A devices; HDCP 2.x
Ventilation	5" cabinet, front ventilation; 8" cabinet, front ventilation up to 7' height, rear ventilation over 7' height
Power	120 or 240 volt single phase 60 Hz
Cabinet construction	Extruded aluminum, precision mitered solid weld corners
Cabinet depth	Front vent signs, 5" (101.6 mm) for signs up to 4' high; 8" (203 mm) for signs over 4' high viewable area
Service access	Front or optional rear access
Software	Proprietary Ignite®; Integrates with digital signage players via Ignite live video option
Cabinet temperature rating	-40 °F to +140 °F (-40 °C to +60 °C)
Thermal control	Automatic shut-down if temperature exceeds 140 °F (60 °C)
Color temperature	6500 K fixed (XVS and S-Series only)
Dimming	Photocell, auto-adjustment from 1% - 100% brightness; Software backup
Security	Password protected
User interface	Web and stand alone PC application
Graphics compatibility	Import capability from most AVI sources; BMP, GIF, JPG and other graphic file types
Video compatibility	Live video capable on XVS and S-Series
Video formats	Most AVI and WMV formats; Options include DVI, HDMI
Weatherproofing	Tested per ASTM B-117 to a continuous 95 °F (35 °C), 7.2 pH salt fog
Windload rating	Complies with IBC 2012/2015/2018/2021, ASCE7-16
Self-diagnostic monitoring & reporting	Advanced on-demand or automated diagnostics available

Technical Specifications	W-Series	XVS Series	S-Series
Model number	W10mm	XVS 10mm	S10mm
Pixel pitch	10.16 mm (0.4")	10.16 mm (0.4")	10.16 mm (0.4")
Optimized pixel pitch	True 10mm	True 10mm	True 10mm
Pixel density per square foot	900	900	900
Pixel density per square meter	9,687	9,687	9,687
LEDs per square foot	2,700	2,700	2,700
LEDs per square meter	29,062	29,062	29,062
Pixel configuration	SMD 3-in-1	SMD 3-in-1	SMD 3-in-1
Max brightness	7,500 nits	8,500 nits	7,000 nits
Matrix configuration	30 x 30 pixels	30 x 30 pixels	30 x 30 pixels
Module H x W	12" x 12"	12" x 12"	12" x 12"
Horizontal viewing angle	150°	150°	150°
Vertical viewing angle	+29°/-45°	+29°/-45°	+29°/-45°
Weight per square foot	9 lbs.	9 lbs.	9 lbs.
Processing (Video)	Not applicable	Available	Available
Calibration	Digit batch inspection, pixel to pixel and module to module	Whole-sign color calibration, color and brightness	Whole-sign color calibration, color and brightness
Minimum viewing distance	23'	23'	23'
Live video capable	No	Yes	Yes
Video frame rate	Up to 30 FPS	Up to 60 FPS	Up to 60 FPS
Color capability	1.2 quintillion	1.2 quintillion	1.2 quintillion
Character height	2.8" and larger	2.8" and larger	2.8" and larger

Specifications are subject to change without prior notice.

Arlington Heights Park District - Euclid Ave

750 W Northwest Hwy
Arlington Heights, IL 60004 (0 - 3 mi)

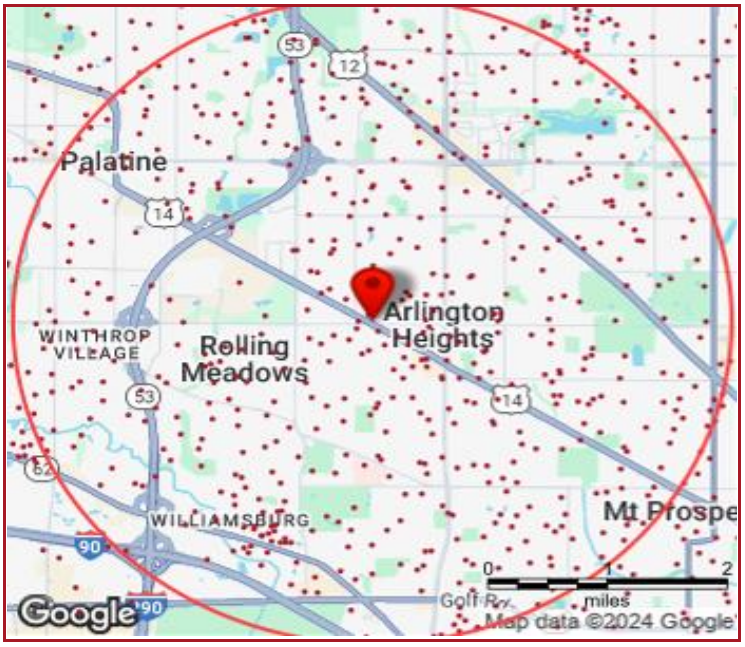
One-way Average Daily Traffic on West Euclid Avenue

7,528 Vehicles per Day

225,840 Vehicles per Month

2,747,720 Vehicles per Year

With a load factor of 1.5 people 18+ years of age per vehicle, traffic at your location delivers 11,292 daily impressions.



(• 1 dot = 200 people)

Population Statistics

Summary	
2020 Census	**121,230**
2023 Estimate	**120,687**
2028 Projection	**119,069**
'20 - '23 % Change	**-0.5%**
'23 - '28 % Change	**-1.3%**

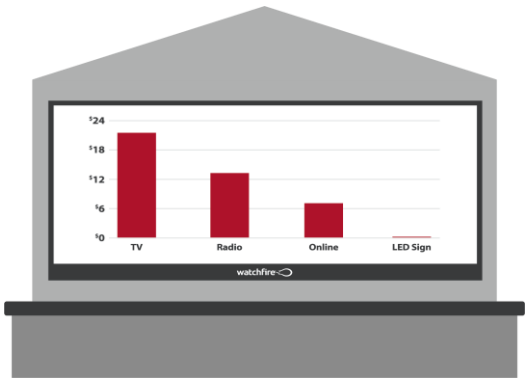
Age Cohorts	Median Age: 44.3	
Population: < 18	**23,768**	*19.7%*
Population: 18 - 35	**22,130**	*18.3%*
Population: 35 - 50	**23,243**	*19.3%*
Population: 50 - 65	**25,158**	*20.8%*
Population: > 65	**26,388**	*21.9%*

Education		
HS grad. or less	**20,763**	*23.8%*
Some college	**14,436**	*16.5%*
Assoc./prof. degree	**8,476**	*9.7%*
Bachelor's degree	**28,207**	*32.3%*
Master's or higher	**15,504**	*17.7%*

Mode of Transportation to Work		
Car, truck, or van	**48,337**	*91.0%*
Public trans.	**2,952**	*5.6%*
Motorcycle	**51**	*0.1%*
Bicycle	**403**	*0.8%*
Walked	**977**	*1.8%*
Other means	**335**	*1.0%*

Yearly Income by Household	
Average HH Income:	**$119,592**
Median HH Income:	**$96,356**

CPM Comparison



An LED display's CPM is often far lower than the CPM of traditional media.

To calculate your estimated cost per thousand impressions, or CPM, divide the daily cost of your new display by the number of impressions per day, and multiply by 1000.

Your Local Watchfire Contact

Aurora Sign Co

Aaron Stoeckel
astoeckel@aurorasign.com
630-898-6091

This Report Was Prepared By:

Tom Wood

Watchfire makes no representation concerning the accuracy of data obtained from state or national geodatabase sources.

watchfire

2024-Dec-11

Arlington Heights Park District - US 14

750 W Northwest Hwy
Arlington Heights, IL 60004 (0 - 3 mi)

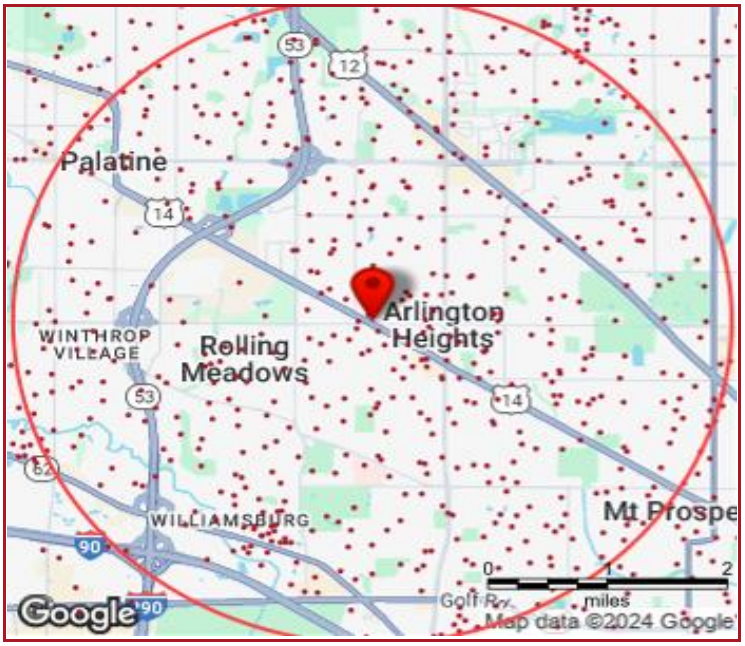
One-way Average Daily Traffic on West Euclid Avenue

12,197 Vehicles per Day

365,910 Vehicles per Month

4,451,905 Vehicles per Year

With a load factor of 1.5 people 18+ years of age per vehicle, traffic at your location delivers 18,296 daily impressions.



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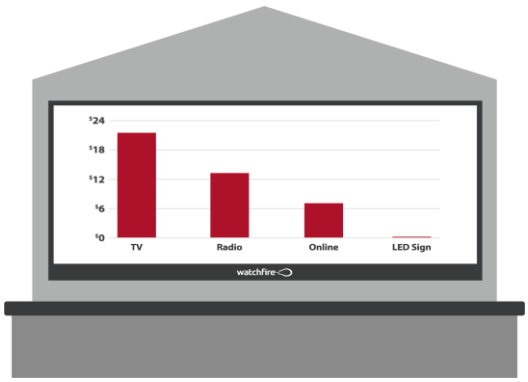

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Your Local Watchfire Contact

Aurora Sign Co

Aaron Stoeckel
astoeckel@aurorasign.com
630-898-6091

This Report Was Prepared By:

Tom Wood

Watchfire makes no representation concerning the accuracy of data obtained from state or national geodatabase sources.

watchfire

2024-Dec-11

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: Arlington Ridge Center - 750 W. Northwest Hwy & 660 N. Ridge Ave. - PC#24-019
PUD Amendment, Special Use Permit, Amendment to Comprehensive Plan, Rezoning with Variation

Department: Planning & Community Development

Item Description:

Requested Action

1. Amendment to the Comprehensive Plan redesignating 750 W Northwest Highway from "Office Only" to "Parks"
2. Rezoning from B-2, General Business District to P-L Public Lands District
3. Amendment to the AHPD Planned Unit Development for a development with multiple parcels (Ord. 03-036; Ord. 18-019)
4. Special Use Permit to allow a "Facility Owned by the Arlington Heights Park District" for 750 W. Northwest Highway

Variations Required

1. Variation to Section 6.12-1.3, to waive the requirement for a traffic and parking study.

Recommendation

A public hearing was held by the Plan Commission on February 26, 2025, where Commissioner Drost moved and Commissioner Green seconded:

A motion to recommend to the Village Board of Trustees approval of PC #24-019, an Amendment to the Comprehensive Plan re-designating 750 West Northwest Highway from "Office Only" to "Parks," rezoning from B-2 General Business District to P-L Public Lands District, an Amendment to the Arlington Heights Park District Planned Unit Development for a development with multiple parcels under Ordinance #03-036 and Ordinance #18-019, a Special Use Permit to allow a "facility owned by the Arlington Heights Park District" for 750 West Northwest Highway, and the following variation:

1. A Variation from Chapter 28, Section 6.12-1.3, to waive the requirement for a traffic and parking study.

This recommendation is subject to resolution of the following:

1. The Petitioner shall provide a site photometric lighting plan indicating lighting intensities for review with the building permit for the proposed sign.
2. The Petitioner shall provide a revised site plan showing the location of the existing signal for westbound Euclid Avenue and sections of curb and sidewalk to be removed and replaced as part of the Village's utility improvements for review with the building permit for the sign.
3. The Petitioner shall remove the two depressed curbs and existing apron on the property and replace with full head curb and restore the parkway with topsoil and seed or sod prior to the issuance of the building permit for the proposed sign.
4. The Petitioner shall grant the sidewalk easement required by the Village prior to issuance of the building permit for the proposed sign.
5. The Petitioner shall comply with all federal, state, and Village codes, regulations and policies.

Roll Call Vote: Commissioners Dawson, Drost, Green, Jensen, Lorenzini, Schurtz, Sigalos, and Chair Cherwin voted in favor. Motion carried.

ATTACHMENTS:

1. PC Staff Report_2.26.25
2. PC Minutes 2-26-25
3. Exhibit A - Legal Description
4. Exhibit B - Plats of Survey
5. Exhibit C - PUD Description
6. Exhibit D - Sign Renderings
7. Site Plan
8. PUD Amendment
9. Sidewalk Easement_Draft
10. Lighting Plan
11. Landscape Plan and Tree Preservation Plan
12. Round 1 Review
13. Petitioner Response to Round 1 Review

VILLAGE OF ARLINGTON HEIGHTS

STAFF DEVELOPMENT COMMITTEE REPORT

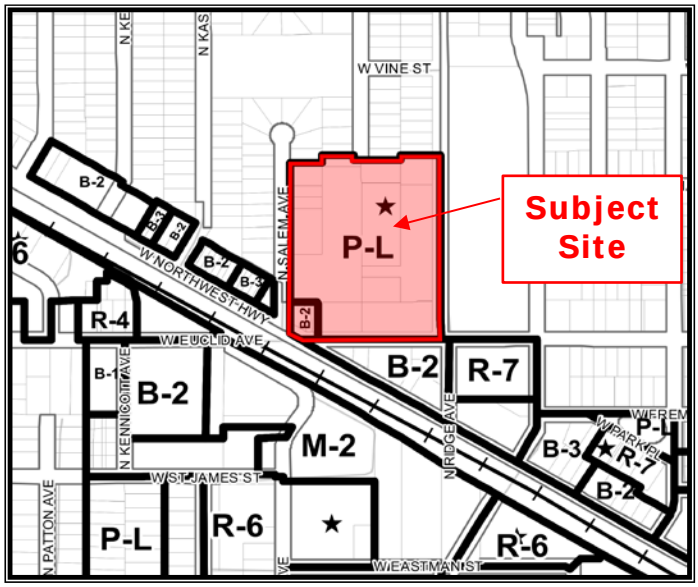
Project Number: *PC 24-019*
Project Title: *Arlington Ridge Center - Sign*
Location: *660 N. Ridge Ave & 750 W. Northwest Highway*
PIN: Multiple PINs (See **Exhibit A**)

To: *Plan Commission*
Prepared By: *Dan Osoba, Planner I*
Meeting Date: *February 26, 2025*
Date Prepared: *February 18, 2025*

Petitioner: *Arlington Heights Park District, Susan Rohner*
Address: *410 N Arlington Heights Rd Arlington Heights, IL 60004*

Existing Zoning: *B-2, General Business District, P-L Public Lands District*

Comprehensive Plan: *Offices Only; Parks*



SURROUNDING LAND USES

Direction	Existing Zoning	Existing Use	Comprehensive Plan
North	R-3 One Family Dwelling District	Single-Family Detached Dwellings	Single-Family Detached
South	B-2, General Business District	Big Ange's Eatery; BMO Bank; Medical Offices	Commercial
East	R-3 One Family Dwelling District	Church of Christian Liberty	Institutional
West	R-3 One Family Dwelling District/ B-2, General Business District	Single-Family Detached Dwellings; ARGO Insurance	Single-Family Detached/ Commercial

Requested Action:

1. Amendment to the Comprehensive Plan redesignating 750 W Northwest Highway from "Office Only" to "Parks"
2. Rezoning from B-2, General Business District to P-L Public Lands District
3. Amendment to the AHPD Planned Unit Development for a development with multiple parcels (Ord. 03-036; Ord. 18-019)
4. Special Use Permit to allow a "Facility Owned by the Arlington Heights Park District" for 750 W. Northwest Highway

Variations Required:

1. Variation to Section 6.12-1.3, to waive the requirement for a traffic and parking study.

Project Background:
The subject property is located at the northeast corner of the intersection of W. Euclid Ave and W. Northwest Highway (see **Exhibit B Plats of Survey**). The property at 750 W Northwest Highway has been acquired by the Arlington Heights Park District as it is adjacent to the Arlington Ridge Center (ARC) which is located at 660 N. Ridge Avenue. The overall site is approximately 10.34 acres and contains an existing recreation facility, surface parking, outdoor fields and on-site detention.

The ARC property at 660 N. Ridge Avenue was originally approved and rezoned to the P-L Public Lands District in 1978 along with many other Arlington Heights Park District owned properties within the Village (Ord. 78-019). A Planned Unit Development and Special Use Permit for a "Community Center, Recreation Building" was approved in 2003 per Ord. 03-036 and amended in 2018 per Ord. 18-019. The existing PUD and SUP encompasses the Park District property prior to the acquisition of 750 W. Northwest Highway.

The existing building at 750 W Northwest Highway has been demolished. The Park District proposes to use the new property for expanded green space. Additionally, an Arlington Heights Park District sign is proposed near the corner of W. Euclid Ave and W. Northwest Highway. The sign requires a Design Commission review for several sign code variations (see **Exhibit C PUD** Description). The Petitioner submitted and received a recommendation of approval from the Design Commission on January 28, 2025. This recommendation suggested, but did not require, modifications to the design of the sign to be double-faced to front both Euclid Ave and Northwest Highway. The Park District has elected to work with Village Staff to align the sign with the Design Commission's recommendation. The final sign plans will be reviewed by the Village Board on or after the Village Board public hearing for these zoning entitlements. Sign plans are attached within **Exhibit D** for reference; however, the Plan Commission does not review sign design, location, or variation requests for signage.

Zoning and Comprehensive Plan
The property is currently zoned P-L Public Lands District with the exception of 750 W. Northwest Highway, which is zoned B-2 General Business District. The applicant is proposing to rezone 750 W. Northwest Highway to P-L Public Land District to be consistent with the remainder of the ARC property. This rezoning request is required in order to permit the construction of the aforementioned Park District sign. The proposed expanded park area requires a Special Use Permit in the P-L District for "Facility Owned by the Arlington Heights Park District". The existing Special Use Permit for the remainder of the ARC would not be amended as part of this application. The Petitioner provided a written response to each of the three criteria necessary for a Special Use Permit, which are referenced below. Staff has reviewed the Petitioner's written response and agrees that the Special Use Permit is consistent with the criteria for approval as the use is necessary to complete the ARC property as a public park, it will not be detrimental to the health, safety, morals, or general welfare, and the Petitioner agrees to comply with regulations and conditions of approval.

- **That said special use is deemed necessary for the public convenience at this location.**
- **That such case will not, under any circumstances of the particular case, be detrimental to the health, safety, morals or general welfare of persons residing or working in the vicinity.**
- **That the proposed use will comply with the regulations and conditions specified in this ordinance for such use, and with the stipulations and conditions made a part of the authorization granted by the Village Board.**

The Comprehensive Plan designates the existing ARC property as appropriate for "Parks" land uses. However, 750 W. Northwest Highway is designated as "Office Only". As a park facility is not compatible with the "Office Only" designation, an amendment to the future land use map of the Comprehensive Plan is required to redesignate the property from "Office Only" to "Parks" to match the proposed expanded park area.

Site Improvements & Landscaping:
The proposed site improvements include the demolition of the building at 750 W. Northwest Highway (which has already occurred) and conversion to green space as part of the park. There are no building improvements proposed with this application.

Village Staff is working with the Petitioner, the Illinois Department of Transportation (IDOT), and Public Works capital improvements to coordinate the following improvements adjacent to this project:

- Utility improvements within W. Euclid Ave rights-of-way that include removal and replacement of curb and sidewalk (Village of Arlington Heights capital improvements)
- ADA curb ramp upgrades on W. Northwest Highway (IDOT)
- Sidewalk widening from 5-foot to 10-foot along W. Northwest Highway (Arlington Heights Park District responsibility)

The Park District will be responsible for the sidewalk widening from a 5-foot walk to a 10-foot walk along W. Northwest Highway as required by the Thoroughfare & Transportation Policy Plan. This widening will coordinate with the improvements to ADA ramps to provide better pedestrian safety by allowing pedestrians to walk further away from through traffic and provide ADA compliant curbs. The sidewalk widening that occurs outside of the right-of-way will be covered by a sidewalk easement.

Additional shade trees are proposed along N. Salem Ave at the direction of Village Staff. These new trees will continue the landscaping around the ARC facility in a consistent manner to the existing landscaping. Landscaping will be provided around the sign; however, that was reviewed with the Design Commission application.

Parking & Traffic:

Per code, the petitioner is required to provide a traffic and parking study by a certified traffic engineer that assesses access (location, design, and Level of Service), on-site circulation, trip generation and distribution, and parking. However, the petitioner has requested the following variation:

- ***Variation to Section 6.12-1.3, to waive the requirement for a traffic and parking study by a qualified professional engineer.***

The Staff Development Committee is supportive of the requested variation as the proposed application will not result in any increase in traffic and parking supply or demand on the subject properties.

RECOMMENDATION

The Staff Development Committee (SDC) reviewed the proposed amendment to the Comprehensive Plan to reclassify 750 W. Northwest Highway from Offices Only to Parks; rezoning of 750 W. Northwest Highway from B-2, General Business District to P-L, Public Land; Planned Unit Development Amendment to consolidate 750 W. Northwest Highway into the existing Arlington Ridge Center PUD; and Special Use Permit for Facilities Owned and Operated by the Arlington Heights Park District on 750 W. Northwest Highway, along with the following variation to Chapter 28 of the Municipal Code:

1. Variation to Section 6.12-1.3, to waive the requirement for a traffic and parking study;

The Staff Development Committee recommends **APPROVAL** of the application subject to the following condition:

1. The Petitioner shall provide a site photometric lighting plan indicating lighting intensities for review with the building permit for the proposed sign.
2. The Petitioner shall provide a revised site plan showing the location of the existing signal for westbound Euclid Avenue and sections of curb and sidewalk to be removed and replaced as part of the Village's utility improvements for review with the building permit for the sign.
3. The Petitioner shall remove the two depressed curbs and existing apron on the property and replace with full head curb and restore the parkway with topsoil and seed or sod prior to the issuance of the building permit for the proposed sign.
4. The Petitioner shall grant the sidewalk easement required by the Village prior to issuance of the building permit for the proposed sign.
5. The petitioner shall comply with all Federal, State, and Village Codes, Regulations, and Policies.

_____ February 21, 2025

Michael Lysicatos, Assistant Director of Planning and Community Development

Cc: Randy Recklaus, Village Manager
All Department Heads

APPROVED

PLAN

REPORT OF THE PROCEEDINGS OF A PUBLIC HEARING
BEFORE THE VILLAGE OF ARLINGTON HEIGHTS
PLAN COMMISSION

COMMISSION

RE: PC #24-019 - 750 WEST NORTHWEST HIGHWAY & 660 NORTH RIDGE AVENUE - ARLINGTON RIDGE CENTER SIGN
PUD AMENDMENT, SPECIAL USE PERMIT, AMENDMENT TO COMPREHENSIVE PLAN, REZONING WITH VARIATION

REPORT OF PROCEEDINGS had before the Village of

Arlington Heights Plan Commission Meeting taken at the Arlington Heights Village

Hall, 33 South Arlington Heights Road, 3rd Floor Board Room, Arlington Heights,

Illinois on the 26th day of February, 2025 at the hour of 7:32 p.m.

MEMBERS PRESENT:

JAY CHERWIN, Chairperson
LYNN JENSEN
KRISTEN SCHURTZ
JOE LORENZINI
BRUCE GREEN
GEORGE DROST
JOHN SIGALOS
SUSAN DAWSON

ALSO PRESENT:

MICHAEL LYSICATOS, Assistant Director of Planning and Community Development

APPROVED

DANIEL OSOBA, Development Planner
RACHEL HITZEMANN, Planner

CHAIRPERSON CHERWIN: Next item on the agenda for Public Hearings is the Arlington Ridge Center, 750 West Northwest Highway and 660 North Ridge. We can get started with that.

I'd ask the Staff, have we served all, or have notices been posted and mailed on that one?

MR. OSOBA: Yes, they have.

CHAIRPERSON CHERWIN: All right, thank you.

So, I guess we can call the Petitioner up, whoever is going to be speaking. If you could raise your hand, and when I read here you can respond.

(Witness sworn.)

CHAIRPERSON CHERWIN: Okay, if you could please state your name and spell it for the record, that would be great.

MR. KRAMER: John Kramer, J-o-h-n K-r-a-m-e-r.

CHAIRPERSON CHERWIN: All right, thank you, sir. Have you read the Staff report on your matter, and do you agree with the conditions that they've put forth?

MR. KRAMER: I have and I do.

CHAIRPERSON CHERWIN: Okay, very good, thank you. All right, sir, you can go ahead and get started with your presentation.

MR. KRAMER: Thank you. John Kramer with the Arlington Heights Park District. We're pleased to present to you a proposed sign in front of the Arlington Ridge Center at the terminus of Salem and Northwest Highway or Northwest Highway and Euclid. This had been a long-term project that we had been envisioning in placing an electronic digital message sign at that location.

The goal was to emulate the Village sign and use that as our draft design, basis of design for that sign. So, what you have before you is the graphical depiction of what the end result that is proposed would be. You can tell that we did very much follow the Village detail for the sign, and then went above and beyond from a landscaping perspective to make that a floristic display.

The next slide basically shows it in a V formation. This was predicated on our meeting with the Design Commission. When we met with them, they questioned the ability of the sign to be viewed by both directions on Northwest Highway and Euclid. When it was a double-sided sign, the traffic from the westbound going east on Euclid stopped at the tracks, it did not have enough vantage point, so we tilted the sign and added a 15-degree offset to have that V shape in order to capture that. Okay, I actually have that in the last slide. This is what the V shape provides from a detail perspective in order for coverage at that.

So, basically, this is the sign detail that we have proposed. We're coming to you relative to the PUD amendment, special use permit, amendment to the Comp Plan, and rezoning with variation because of its adjacency to the Arlington Ridge Center.

CHAIRPERSON CHERWIN: Thank you.

Okay, well, if that's all you have for now, we'll move over to the Staff report and you can I guess take a seat until we're, we may come back to you with questions here, but I'd ask the Staff to go ahead and proceed.

APPROVED

MR. OSOBA: Thank you, Chair.

The subject property here is located at 750 West Northwest Highway which is right at the corner of Euclid and Northwest Highway. The Petitioner is Arlington Heights Park District which purchased the property and intends to incorporate it into the Arlington Ridge Center or ARC facility and add a monument sign as shown on the corner.

The overall property is approximately 10 acres, and the Applicant is requesting to amend the Comprehensive Plan to re-designate the subject property from "Offices Only" to "Parks," rezoning the subject property from B-2 to P-L, and amend the ARC planned unit development to incorporate this into the overall ARC property, and request a special use permit for a facility owned by the Arlington Heights Park District for the subject property only. The only variation request here is to waive the requirement for a traffic and parking study which Staff supports as there are no traffic or parking changes included in this application.

The area highlighted in red is the ARC campus which includes the recreational facility, surface parking, playground, basketball court, and open green space. The yellow area on the subject property is 750 West Northwest Highway. There was an office building on the property when the Park District purchased the property; however, that has since been demolished and is currently vacant.

This slide shows the existing future land use map of the Comprehensive Plan on the left with the existing "Offices Only" designation shown in brown, an amendment to the Comprehensive Plan to re-designate the property to "Parks" as shown on the right. This would be consistent with the remainder of the ARC campus as that property is already designated "Parks." Staff is supportive of the requested amendment to the Comprehensive Plan to keep this designation consistent throughout the campus, and the subject property would be used as a parks facility in the future.

This slide shows the existing zoning on the left with the B-2 General Business District shown in pink. The Applicant proposes to rezone this subject property from B-2 to P-L Public Lands District per the image that's shown on the right. This would create consistent zoning across the ARC campus and facilitate the installation of the sign at the corner of Euclid and Northwest Highway, and Staff is supportive of this rezoning request as well.

The site plan shows the view of the proposed subject site with the sign as shown in that V configuration. It should be noted that the Design Commission has reviewed and recommended approval of the sign to be heard at Village Board. The Applicant is working with Staff to finalize the design of the sign; however, the design is the purview of the Design Commission, so again the only thing we're looking at tonight is the planned unit development amendment, rezoning, Comp Plan amendment, and special use permit with variance.

At the Village's request, the Park District is also providing sidewalk widening on Northwest Highway, as shown in red on that slide. The sidewalk, as proposed, is 10 feet wide, and those improvements are being coordinated with the Village Staff, Illinois Department of Transportation, and the Park District, as there are capital improvements and other ADA ramp improvements ongoing from those various agencies.

This proposed landscape plan shows a dense area of shrub and flower landscaping around the sign itself, as well as additional trees on the subject site. Overall, the site is well-landscaped and provides additional shade trees per Staff's request. The Park District has worked with Staff to ensure that the sign visibility was maintained while still providing

a well-landscaped area around this prominent intersection.

These are the criteria for approval for variations, of which there is only the one to waive the requirement for the traffic and parking study. Staff supports this variation request as the application will not increase traffic or parking on the subject site, and the Applicant is closing curb cuts that exist on the subject property at the request of the Village.

These are the criteria for approval for a special use permit which is specifically being requested for 750 West Northwest Highway. The existing ARC facility already has a special use permit so one is not required on that site. Staff is supportive of this SUP request as the use is a consolidation of the existing park facility and facilitates the construction of the sign, and that has already been recommended for approval by the Design Commission.

The Staff Development Committee recommends approval of the proposed amendment to the Comprehensive Plan to reclassify the subject site from “Offices Only” to “Parks,” the rezoning of the subject site from B-2 General Business District to P-L Public Lands District, a planned unit development amendment to consolidate the subject site into the existing PUD, and a special use permit for facilities owned by the Arlington Heights Park District on the subject property, along with a variation to Chapter 28, Section 6.12-1.3 to waive the requirement for a traffic and parking study. The recommendation is subject to the conditions as shown in the Staff report and on this slide. I'm happy to go through them if you'd like, but that is my presentation. I'm happy to answer any questions.

CHAIRPERSON CHERWIN: Thank you, Dan. As always, very nice job.

Is there a motion to include the Staff report in the public record?

COMMISSIONER JENSEN: So moved.

CHAIRPERSON CHERWIN: And a second?

COMMISSIONER SIGALOS: I'll second.

CHAIRPERSON CHERWIN: All right, all in favor?

(Chorus of ayes.)

CHAIRPERSON CHERWIN: Any opposed?

(No response.)

CHAIRPERSON CHERWIN: Okay, motion passes to include the Staff report in the public record, thank you.

Commissioners, before we go to the public, is there anybody who has any initial questions?

Sue, let's start down by you. Nothing?

COMMISSIONER DAWSON: No questions.

CHAIRPERSON CHERWIN: John?

COMMISSIONER SIGALOS: No questions.

CHAIRPERSON CHERWIN: Anybody out the other end?

(No response.)

CHAIRPERSON CHERWIN: No? Oh, hey, Joe.

Okay, so we'll open to public comments then. We'll start on this side of the room. Ma'am? No? In the back, any public comments on this? Yes, sir. If you could step up and please just recite your name for the record, please.

APPROVED

PUBLIC COMMENTARY FOR PC #24-019

MR. SELESKI: Sure. Tom Seleski, I live at 636 North Salem, which is five houses north of where the sign is going to be. Speaking with a lot of my neighbors, the concern is going to be the location of that sign. People traveling on Euclid or Northwest Highway, are they going to be going down Kaspar thinking they're going to enter the Park District property from that street which there's a large field between the building and where they would be. In the years past, this side of the street is no parking, we've always had an issue with weekend soccer matches where people just completely disregard those signs. We get a lot of traffic during the day for people from the Lutheran Home thinking they can get there.

So, I think this sign is just going to add to the problems that we already have, and I don't know where else they could put it. It sounds like it's about as well-positioned as it could be, but it is a major concern for us.

One other thing I noted, the sidewalk that's currently there is butted right up to the curb of Northwest Highway and Euclid. During inclement weather or large snowfalls, people had to walk through the parking lot of the old law office to be able to get around there. They couldn't use the sidewalk because the state would dump all the snow on it. If there is some way that sidewalk can be pushed back from that curb, I think it would facilitate people that are walking.

Again, going back, the big concern for our neighborhood is, is that sign going to be drawing people down our street unnecessarily? So, it's something we would hope you consider.

CHAIRPERSON CHERWIN: All right, thank you for your comment.

Do we have any other public comments while we're at it?

(No response.)

CHAIRPERSON CHERWIN: No? Anybody?

All right, so we'll go ahead and close the public hearing. I would ask, if one of the Petitioner's representatives could step up and speak to the concerns that our neighbor has and how we're addressing it or how we can possibly mitigate it?

MR. KRAMER: In reference to the direction where people are misrepresenting the sign as an entrance, we'd have to go back to take a look at that and see if there is some way to, at the base of the sign put, you know, the ARC entrance is on Ridge one block down, on that side of the sign for people coming from that direction. Perhaps that, I've seen that on other signs. That's my first blush comment relative to that.

As far as the sidewalk, Dan, can I defer to you relative to that? Because I know that was part of the improvements and that's -- sorry, I'll let you respond.

MR. OSOBA: Yes. So, the Village had requested the Park District to expand the existing sidewalk, which is five feet, and move it to a 10-foot sidewalk. That's required by the Transportation and Thoroughfare Policy Plan for all of Northwest Highway, so even though this is a smaller section of Northwest Highway, we still required it. Given the fact that there is not a ton of room to move that sidewalk back within the public right-of-way, the Park District would already have to dedicate a sidewalk easement to the Village for the portion that they're expanding on to their subject site.

Having a detached sidewalk there wouldn't necessarily work. There wouldn't be enough space to do so. But adding that additional five feet of space, if some of the

APPROVED

snow does pile up on the sidewalk, we would have still adequate space as the sidewalk is being expanded to the northeast.

Ideally, the situation would be to have a detached sidewalk there. The configuration and the limited amount of space between Euclid and Northwest Highway and IDOT right-of-way made that pretty difficult to engineer and to functionally work.

CHAIRPERSON CHERWIN: Well, I guess as I'm looking at this, and you have that kind of like the spot of landscaping that runs off to the southeast a little bit, that kind of pushes the sidewalk down, is that what I'm seeing there?

MR. OSOBA: To the southeast of the plan?

CHAIRPERSON CHERWIN: The southeast part of the landscaping where it says 38OLA on the landscaping plan. You see that way at the bottom?

MR. OSOBA: Yes.

CHAIRPERSON CHERWIN: It says Euclid traffic signal to remain. Is that what, I mean, that part of the sidewalk is like running right up against the street, and there is no way to cut into that landscaping to diverge? Am I missing that?

MR. OSOBA: If we were to go this way.

CHAIRPERSON CHERWIN: Yes, but can't they join it up here? I guess what I'm saying is they have to join it but it can't be, there's no way to push that to the north a little bit into that landscaping?

MR. OSOBA: With the existing infrastructure that's there for the traffic signal?

CHAIRPERSON CHERWIN: Yes.

MR. OSOBA: They would have to move the traffic signal, and then if they were to go around, the entirety of that sidewalk would be on their property and outside of the right-of-way.

CHAIRPERSON CHERWIN: So, it's kind of the traffic signaling that's holding that.

MR. OSOBA: Partially, and the limited amount of space between the two rights-of-way.

CHAIRPERSON CHERWIN: Okay, all right. All right, well, thank you for that explanation. We may have some follow-up questions.

So, the public hearing is closed. Thank you for the explanation. We'll start back down by Susan.

Any follow-up questions?

COMMISSIONER DAWSON: No questions.

COMMISSIONER SIGALOS: No questions.

CHAIRPERSON CHERWIN: George?

COMMISSIONER DROST: Any time you can turn a law office into green space, you've got my vote.

MR. KRAMER: Thank you.

CHAIRPERSON CHERWIN: You wouldn't have said that 30 years ago.

COMMISSIONER DROST: No, no.

COMMISSIONER DAWSON: You do have a building that could be turned into a green space, George.

COMMISSIONER DROST: Yes. No, it's historic.

CHAIRPERSON CHERWIN: Joe?
COMMISSIONER LORENZINI: Yes, a quick question.
Mr. Kramer, certainly I'm for the petition here, but what is the intent for the sign in the first place?
MR. KRAMER: Advertise district programs, pool passes go on sale, branding for the corner for us, for the Arlington Ridge Center.
COMMISSIONER LORENZINI: Okay, thank you.
CHAIRPERSON CHERWIN: Bruce?
COMMISSIONER GREEN: No questions.
CHAIRPERSON CHERWIN: Yes, I would just say please follow-up with the issue of the traffic directional adjustment that you might be able to make to the sign if it's feasible. Consider that as it's been brought up. As to the other questions, you know, in terms of the snow removal, it sounds like the sidewalk may, you know, this may just be the situation that we've got. As far as the snow removal and stuff, to the neighbor's point, to see if, to make sure that we're handling that appropriately, I guess.
MR. KRAMER: Absolutely. With us now taking the property within our jurisdictional rights, we'll remove snow from our portions of the sidewalk where applicable. We obviously don't want to get into a battle with the Village if there is a sidewalk adjacent to it that we can, but again you know we're good stewards of our property and we do snow removal on our sites. So, we'll continue to maintain this at the same level we would the ARC.
CHAIRPERSON CHERWIN: Yes, okay, good. That's all I have.
COMMISSIONER DROST: I'll make a motion, if that's okay?
CHAIRPERSON CHERWIN: Okay, yes.

A motion to recommend to the Village Board of Trustees <u>approval</u> of PC #24-019, an Amendment to the Comprehensive Plan re-designating 750 West Northwest Highway from "Office Only" to "Parks," rezoning from B-2 General Business District to P-L Public Lands District, an Amendment to the Arlington Heights Park District Planned Unit Development for a development with multiple parcels under Ordinance #03-036 and Ordinance #18-019, a Special Use Permit to allow a "facility owned by the Arlington Heights Park District" for 750 West Northwest Highway, and the following variation:

1. **A Variation from Chapter 28, Section 6.12-1.3, to waive the requirement for a traffic and parking study.**

This recommendation is subject to resolution of the following:

1. **The Petitioner shall provide a site photometric lighting plan indicating lighting intensities for review with the building permit for the proposed sign.**
2. **The Petitioner shall provide a revised site plan showing the location of the existing signal for westbound Euclid Avenue and sections of curb and sidewalk to be removed and replaced as part of the Village's utility improvements for review with the building permit for the sign.**
3. **The Petitioner shall remove the two depressed curbs and existing apron on the property and replace with full head curb and restore the parkway with topsoil and**

seed or sod prior to the issuance of the building permit for the proposed sign.

4. **The Petitioner shall grant the sidewalk easement required by the Village prior to issuance of the building permit for the proposed sign.**
5. **The Petitioner shall comply with all federal, state, and Village codes, regulations and policies.**

CHAIRPERSON CHERWIN: Is there a second?
COMMISSIONER GREEN: I'll second that.
CHAIRPERSON CHERWIN: Okay, Commissioner Drost's motion is on the floor and it's seconded.
If we could have a vote please on that?
MS. HITZEMANN: Dawson.
COMMISSIONER DAWSON: Yes.
MS. HITZEMANN: Drost.
COMMISSIONER DROST: Aye.
MS. HITZEMANN: Green.
COMMISSIONER GREEN: Yes.
MS. HITZEMANN: Jensen.
COMMISSIONER JENSEN: Yes.
MS. HITZEMANN: Lorenzini.
COMMISSIONER LORENZINI: Yes.
MS. HITZEMANN: Schurtz.
COMMISSIONER SCHURTZ: Yes.
MS. HITZEMANN: Sigalos.
COMMISSIONER SIGALOS: Yes.
MS. HITZEMANN: Cherwin.
CHAIRPERSON CHERWIN: Yes.
All right, well, the motion passes. You have a positive recommendation from the Plan Commission to move on to the Board of Trustees.
MR. KRAMER: Thank you very much.
CHAIRPERSON CHERWIN: Congratulations, and please coordinate with Staff for the next step and the next date whenever. Dan will reach out.
MR. KRAMER: Absolutely. Thank you.
CHAIRPERSON CHERWIN: All right, thank you.
Okay, so that is the last of our public hearings we have scheduled. I guess we'll move on to other business, of which there is none noted. Then we'll move on, with no other business, we'll move on to public comment if there is any.
Anything else? Anybody from the public want to comment?
(No response.)
CHAIRPERSON CHERWIN: No, okay. Seeing nobody that wants to comment, we will move on to a motion to adjourn.
COMMISSIONER DAWSON: I make a motion to adjourn.
COMMISSIONER SIGALOS: I'll second.
CHAIRPERSON CHERWIN: And a second.
All in favor?

APPROVED

(Chorus of ayes.)

CHAIRPERSON CHERWIN: Any opposed?

(No response.)

CHAIRPERSON CHERWIN: All right, the motion passes; meeting is adjourned. Thank you, good night.

(Whereupon, at 7:50 p.m., the public hearing on the above-mentioned petition was adjourned.)

APPROVED

STATE OF ILLINOIS)
) SS.
COUNTY OF KANE)

I, RON LeGRAND, SR., depose and say that

I am a digital court reporter doing business in the State of Illinois; that

I reported verbatim the foregoing proceedings and that the foregoing

is a true and correct transcript to the best of my knowledge and ability.

_____
RON LeGRAND, SR.

SUBSCRIBED AND SWORN TO

BEFORE ME THIS _____ DAY OF

_____, A.D. 2025.

_____
NOTARY PUBLIC

Legal Description – Arlington Ridge Center (660 N. Ridge Ave & 750 W. Northwest Highway)

The subject property is legally described as follows:

LOTS 8 AND 9 IN BLOCK 16; LOTS 1 THROUGH 19, BOTH INCLUSIVE, AND LOT 22 IN BLOCK 17; LOT 8 IN BLOCK 15, LOTS 10 THROUGH 15, BOTH INCLUSIVE, AND LOTS 24 THROUGH 27, BOTH INCLUSIVE, IN BLOCK 18; ALL THAT PART OF VACATED HAWTHORNE STREET AS SHOWN ON THE PLAT OF VACATION THEREOF HERETOFORE RECORDED IN THE OFFICE OF THE RECORDER OF DEEDS OF COOK COUNTY, ILLINOIS AS DOCUMENT NO. 20833210, IN THE OFFICE OF THE RECORDER OF DEEDS OF COOK COUNTY, ILLINOIS AS DOCUMENT NO. 20833209; ALL THAT PART OF VACATED FERNANDEZ AVENUE AS SHOWN ON THE PLAT OF VACATION THEREOF HERETOFORE RECORDED IN THE OFFICE OF THE RECORDER OF DEEDS OF COOK COUNTY, ILLINOIS AS DOCUMENT NO. 20833211; ALL THAT PART OF THE VACATED EAST AND WEST PUBLIC ALLEY IN BLOCK 18 AS SHOWN ON THE PLAT OF VACATION THEREOF HERETOFORE RECORDED IN THE OFFICE OF THE RECORDER OF DEEDS OF COOK COUNTY, ILLINOIS AS DOCUMENT NO. 20833209, EXCEPTING THEREFROM THAT PART OF THE SOUTH HALF OF THE SAID VACATED PUBLIC ALLEY LYING NORTH OF AND ADJOINING LOTS 16 THROUGH 19, BOTH INCLUSIVE, IN SAID BLOCK 18; ALL AS SHOWN ON THE PLAT OF R.A. CEPEK'S ARLINGTON RIDGE, BEING A SUBDIVISION OF THAT PART OF THE WEST HALF (EXCEPT THE EAST 33.0 FEET THEREOF) OF THE NORTHEAST QUARTER AND OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF NORTHWEST HIGHWAY, SAID NORTHEASTERLY LINE OF HIGHWAY BEING 66.0 FEET NORTHEASTERLY OF AND PARALLEL WITH THE NORTHEASTERLY LINE OF THE CHICAGO & NORTHWESTERN RAILWAY RIGHT-OF-WAY, ACCORDING TO THE PLAT OF SAID SUBDIVISION REGISTERED IN THE OFFICE OF THE REGISTRAR OF TITLES OF COOK COUNTY, ILLINOIS ON SEPTEMBER 2, 1925, AS DOCUMENT NO.LR 270771.

ALSO:
LOTS 8 THROUGH 16, BOTH INCLUSIVE AND LOTS 17 AND 18 IN BLOCK B; LOTS 6 THROUGH 24, BOTH INCLUSIVE, IN BLOCK C, ALL IN THE RESUBDIVISION OF CERTAIN BLOCKS AND PARTS OF BLOCKS AND VACATED STREETS IN R.R. CEPEK'S ARLINGTON RIDGE, BEING A SUBDIVISION OF THAT PART OF THE WEST HALF (EXCEPT THE EAST 33.0 FEET THEREOF) OF THE NORTHEAST QUARTER AND OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF SECTION 30, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN LYING NORTH OF THE NORTHEASTERLY LINE OF THE NORTHWEST HIGHWAY, SAID NORTHEASTERLY LINE OF HIGHWAY BEING 66.0 FEET NORTHEASTERLY OF AND PARALLEL WITH THE NORTHEASTERLY LINE OF THE CHICAGO & NORTHWESTERN RAILWAY RIGHT-OF-WAY, ACCORDING TO THE PLAT OF SAID RESUBDIVISION REGISTERED IN THE OFFICE OF THE REGISTRAR OF COOK COUNTY, ON MAY 27, 1946, AS DOCUMENT NO.LR 1100677.

PARCEL 1:
LOTS 16, 17, 18, AND 19 IN BLOCK 18 IN R.A. CEPEK'S ARLINGTON RIDGE, BEING A SUBDIVISION OF THAT PART OF THE WEST HALF (EXCEPT THE EAST 33 FEET THEREOF) OF THE NORTHEAST QUARTER OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF SECTION 30, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING NORTH OF THE NORTHEASTERLY LINE OF THE NORTHWEST HIGHWAY, SAID NORTHEASTERLY LINE OF HIGHWAY BEING 66 FEET NORTHEASTERLY OF AND PARALLEL TO THE NORTHEASTERLY LINE OF CHICAGO AND NORTHWEST RAILWAY RIGHT OF WAY, IN COOK COUNTY, ILLINOIS.

PARCEL 2:
THE SOUTH HALF OF VACATED ALLEY LYING NORTH OF AND ADJOINING SAID LOTS 16, 17, 28, AND 19 IN BLOCK 18 IN R.A. CEPEK'S ARLINGTON RIDGE SUBDIVISION.

PLAT OF SURVEY

ALTA \NSPS LAND TITLE SURVEY

by

Michael J. Emmert Surveys, Inc.

North

W E

S

1 IN. = 10 FT.
VERIFY SCALE AGAINST THIS GRAPHIC

VICINITY MAP

FLOOD ZONE

MICHAEL J. EMMERT SURVEYS, INC., DOES HEREBY CERTIFY THAT WE HAVE EXAMINED THE FLOOD INSURANCE RATE MAP OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY OF THE FEDERAL INSURANCE ADMINISTRATION AND DETERMINED THE FOLLOWING:
PROPERTY IS LOCATED WITHIN COMMUNITY NUMBER –
ON MAP DATED –
ON PANEL NUMBER –
AND FIND THAT THE PROPERTY IS LOCATED WITHIN ZONE X (AREA OF MINIMAL FLOOD HAZARD)

BEARING BASIS

THE CENTERLINE OF W. NORTHWEST HIGHWAY IS ASSUMED TO BE NORTH 59 DEGREES 14 MINUTES 03 SECONDS WEST

PARKING

AS BUILT PARKING SUMMARY
REGULAR SPACES – 15
HANDICAP SPACES – 1
TOTAL SPACES – 16

LEGALLY DESCRIBED AS FOLLOWS:

PARCEL 1:
LOTS 16, 17, 18 AND 19 IN BLOCK 18 IN R.A. CEPEK'S ARLINGTON RIDGE, BEING A SUBDIVISION OF THAT PART OF THE WEST HALF (EXCEPT THE EAST 33 FEET THEREOF) OF THE NORTHEAST QUARTER OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF SECTION 30, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING NORTH OF HE NORTHEASTERLY LINE OF THE NORTHWEST HIGHWAY, SAID NORTHEASTERLY LINE OF HIGHWAY BEING 66 FEET NORTHEASTERLY OF AND PARALLEL TO THE NORTHEASTERLY LINE OF CHICAGO AND NORTHWESTERN RAILWAY RIGHT OF WAY, IN COOK COUNTY, ILLINOIS.

PARCEL 2:
THE SOUTH HALF OF VACATED ALLEY LYING NORTH OF AND ADJOINING SAID LOTS 16, 17, 18 AND 19 IN BLOCK 18 IN R.A. CEPEK'S ARLINGTON RIDGE SUBDIVISION.

CONTAINING 13,902 SQ. FT. OR 0.3191 ACRES MORE OR LESS

REFERENCE BEING HAD TO LEGAL DESCRIPTION SHOWN IN SCHEDULE A OF TITLE INSURANCE COMMITMENT NUMBER 22GW1157202RM BEARING AN EFFECTIVE DATE OF SEPTEMBER 16, 2022 AS PREPARED BY CHICAGO TITLE INSURANCE COMPANY

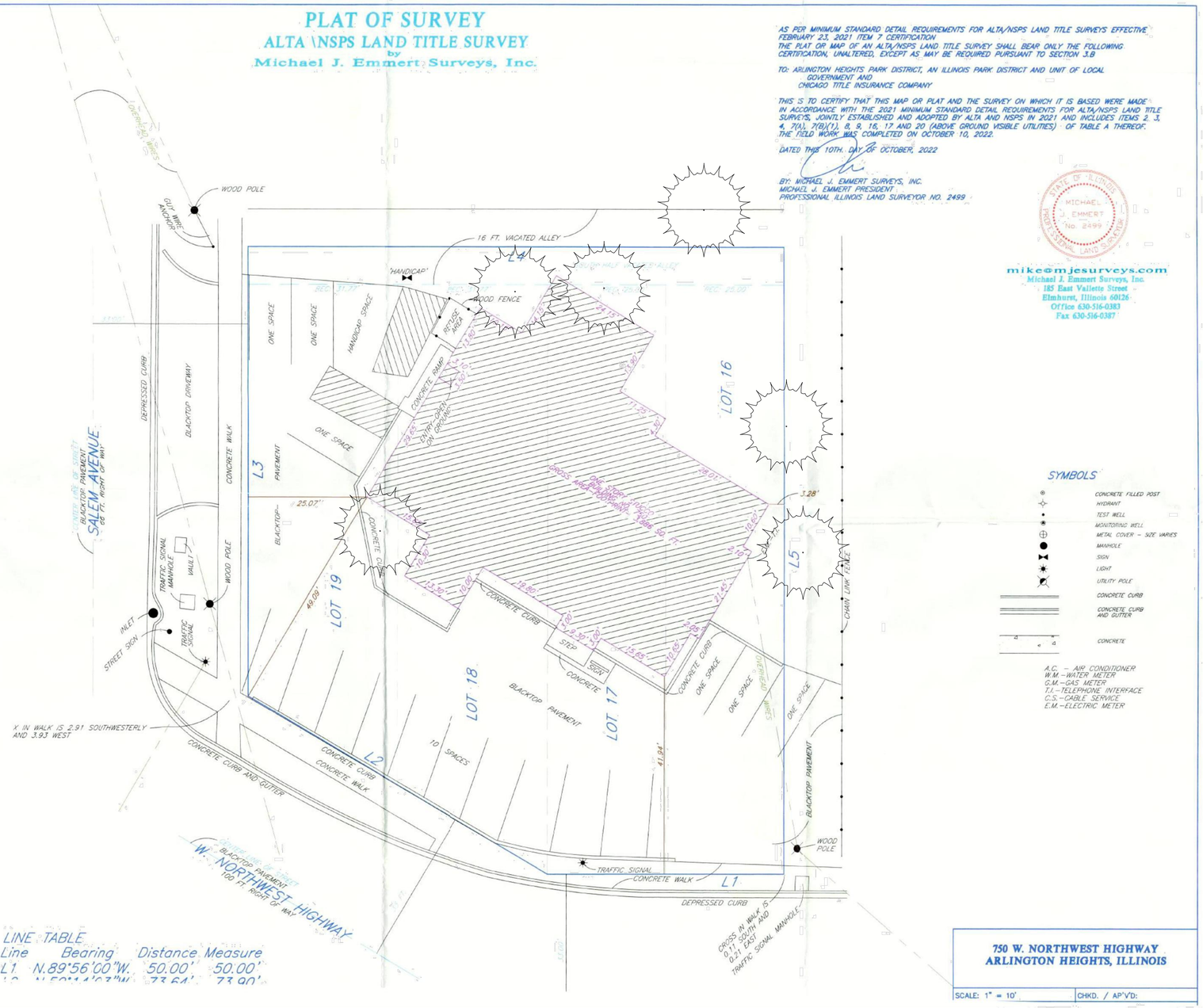
THE SUBJECT PROPERTY ADJOINS SALEM AVENUE (A PUBLIC STREET) ON THE WEST AND ADJOINS W. NORTHWEST HIGHWAY (A PUBLIC STREET) ON THE SOUTHWEST AND ADJOINS EUCLID AVENUE (A PUBLIC STREET) ON THE SOUTH.
DIRECT ACCESS IS PROVIDED VIA THE AFOREMENTIONED STREETS.

SCHEDULE B GENERAL EXCEPTIONS

ITEMS 1 THROUGH 7 – NOT SURVEY RELATED
8. PERMANENT TAX NUMBER:
03–30–228–019–0000
03–30–228–020–0000
03–30–228–021–0000
ITEMS 9 THROUGH 18 – NOT SURVEY RELATED
END OF SCHEDULE B

NOTES:

1. SURVEY SHOWN HEREON IS AN "AS–BUILT" SURVEY.
2. SURVEY SHOWN HEREON IS LIMITED TO ABOVE GROUND VISIBLE IMPROVEMENTS AND NO UNDERGROUND INFORMATION IS INTENDED TO BE PROVIDED.
3. ALL UTILITIES APPEAR TO ENTER THE PROPERTY VIA A PUBLIC RIGHT OF WAY.
4. THE SUBJECT PROPERTY APPEARS TO DRAIN INTO A PUBLIC RIGHT OF WAY.
5. THERE IS NO OBSERVABLE EVIDENCE OF EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS WITHIN RECENT MONTHS.
6. THERE ARE NO CHANGES IN STREET RIGHT OF WAY LINES EITHER COMPLETED OR PROPOSED TO THE BEST OF OUR KNOWLEDGE, AND AVAILABLE FROM THE CONTROLLING JURISDICTION.
7. THERE IS NO OBSERVABLE EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.
8. THERE IS NO OBSERVABLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL OR CEMETERY.



AS PER MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS EFFECTIVE FEBRUARY 23, 2021 ITEM 7 CERTIFICATION
THE PLAT OR MAP OF AN ALTA/NSPS LAND TITLE SURVEY SHALL BEAR ONLY THE FOLLOWING CERTIFICATION, UNALTERED, EXCEPT AS MAY BE REQUIRED PURSUANT TO SECTION 3.B

TO: ARLINGTON HEIGHTS PARK DISTRICT, AN ILLINOIS PARK DISTRICT AND UNIT OF LOCAL GOVERNMENT AND
CHICAGO TITLE INSURANCE COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS IN 2021 AND INCLUDES ITEMS 2, 3, 4, 7(A), 7(B)(1), 8, 9, 16, 17 AND 20 (ABOVE GROUND VISIBLE UTILITIES) OF TABLE A THEREOF.
THE FIELD WORK WAS COMPLETED ON OCTOBER 10, 2022.

DATED THIS 10TH. DAY OF OCTOBER, 2022

BY: MICHAEL J. EMMERT SURVEYS, INC.
MICHAEL J. EMMERT PRESIDENT
PROFESSIONAL ILLINOIS LAND SURVEYOR NO. 2499

STATE OF ILLINOIS
MICHAEL J. EMMERT
No. 2499
PROFESSIONAL LAND SURVEYOR

mike@mjesurveys.com
Michael J. Emmert Surveys, Inc.
185 East Vallette Street
Elmhurst, Illinois 60126
Office 630-516-0383
Fax 630-516-0387

SYMBOLS

- CONCRETE FILLED POST
- HYDRANT
- TEST WELL
- MONITORING WELL
- METAL COVER – SIZE VARIES
- MANHOLE
- SIGN
- LIGHT
- UTILITY POLE
- CONCRETE CURB
- CONCRETE CURB AND GUTTER
- CONCRETE

A.C. – AIR CONDITIONER
W.M.–WATER METER
G.M.–GAS METER
T.I.–TELEPHONE INTERFACE
C.S.–CABLE SERVICE
E.M.–ELECTRIC METER

LINE TABLE

Line	Bearing	Distance Measure	
L1	N.89°56'00"W.	50.00'	50.00'
L2	N.59°14'03"W.	73.64'	73.90'

750 W. NORTHWEST HIGHWAY
ARLINGTON HEIGHTS, ILLINOIS

SCALE: 1" = 10' | CHKD. / AP'V'D:

MICHAEL J. EMMERT SURVEYS, INC; OCTOBER 10, 2022

NOTE: BUILDING AND PARKING LOT WERE REMOVED IN FALL 2024.

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

750 W. NW HWY LAND ADDITION, TO BE AMENDED FOR THE PLANNED UNIT DEVELOPMENT OF ARC PUD

Issues & Revisions

#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION

North

Scale: 1" = 12'

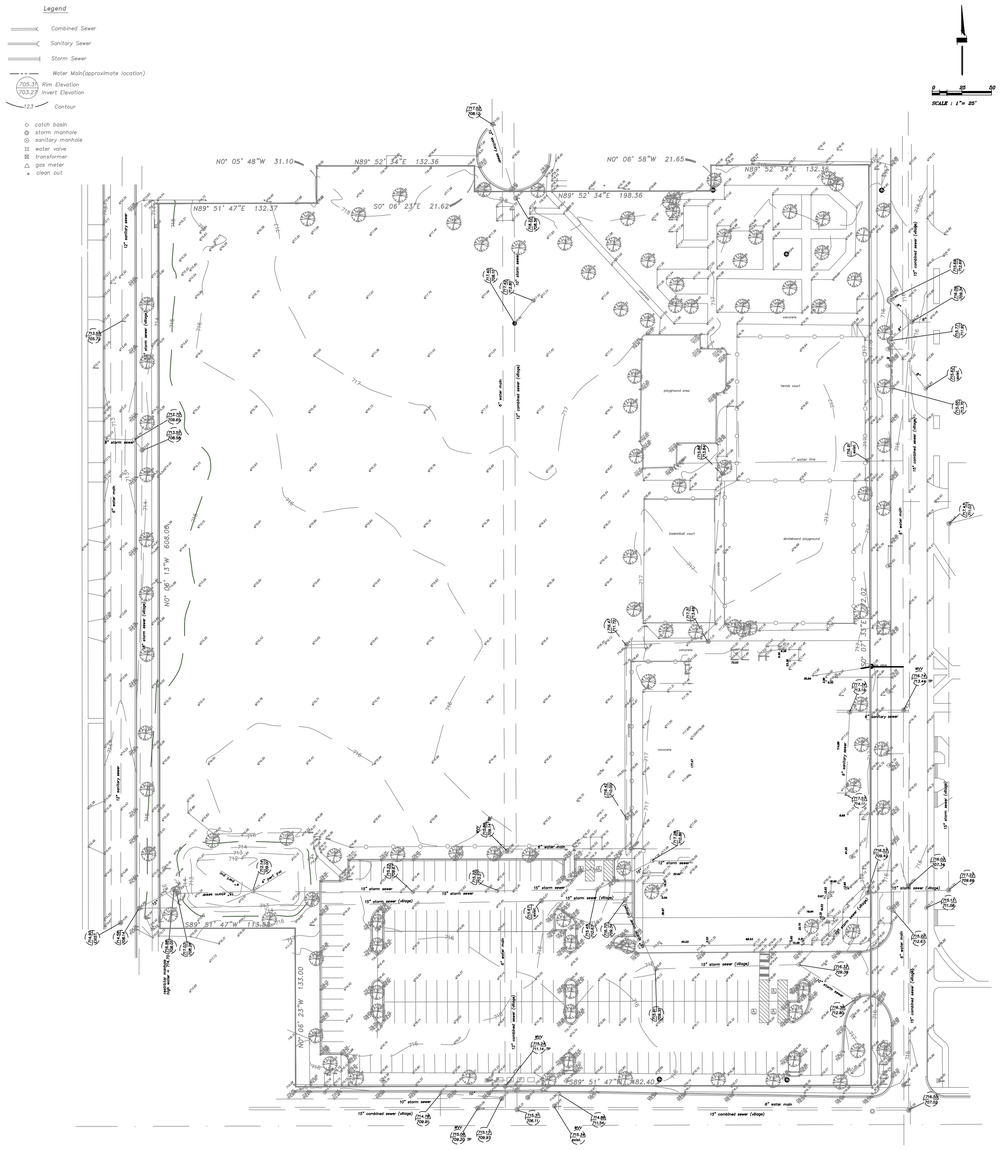
0 6 12 24 36

Sheet Title

750 W. NW HWY LAND ADDITION, EXISTING CONDITIONS PLAN

Date: February 26, 2025

EX-1



Topographical Survey

of

State of Illinois } ss.
County of Cook }

I, David Bycraft, an Illinois Professional Land Surveyor, do hereby certify that I have performed a topographical survey of the property described in the caption of this plat and this plat is a correct representation of said survey.

dated at Arlington Heights, Illinois, this 16th day of September, 2017

by _____
as Illinois Professional Land Surveyor No. 2846

NORMAN J. TOBERMAN & ASSOC.
SEPTEMBER 13, 2017

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

750 W. NW HWY LAND ADDITION, TO BE AMENDED FOR THE PLANNED UNIT DEVELOPMENT OF ARC PUD

Issues & Revisions		
#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION

North

Scale: 1" = 60'

0 30 60 120 180

Sheet Title

ARC PUD AT LEGACY PARK, EXISTING CONDITIONS PLAN

Date: February 26, 2025

EX-2

Plan Commission Review

PUD Description

Legacy Park (formerly Olympic Park)/ARC PUD Addition with 750 W. Northwest Highway, Arlington Heights
1/29/2025

Project Description:
In the fall of 2023, Arlington Heights Park District purchased the property that houses a former law office, at the intersection of Northwest Highway and Salem Avenue. This land included parcels 03-30-228-019-000, 03-30-228-020-0000 and 03-30-228-021-0000 (see ownership affidavit and deeds for legal descriptions). Our intention is to include this new land in the existing Legacy Park/ARC PUD and have it rezoned to park land, or PL, to match the surrounding park zoning. These parcels would complete the missing corner of the PUD.

On-site improvements have included tearing down the existing building, parking lot and chain link fence, then replacing most of the site with additional turf grass, an electric V-shaped sign, limestone retaining walls, and extensive landscaping. Existing quality trees are to be preserved and protected as noted (see Tree Preservation Plan). Additionally, we would like to install a new electric sign to support the image of Arlington Heights with high quality natural stone. This area will include abundant drought-tolerant and native plant species, current drip irrigation and new electrical improvements with modern LED spotlights on the new sign. Public off-site improvements include concrete curb restoration where entry drives have been removed, with an exception of an existing pedestrian curb cuts for ADA along Northwest Highway and Salem Avenue. We would also widen the sidewalk on Northwest Highway to provide a 10' wide multi-use path per the Village's Comprehensive Plan. This "Greening" of the intersection property would provide less impervious surfacing, capture more stormwater run-off, attract pollinators, incorporate more habitat for beneficial insects, have plants with low watering needs, encourage the public to ride bicycles to cut carbon emissions, and contribute to a more sustainable, park-like and natural, attractive image for Arlington Heights at this busy and visible intersection.

Construction Schedule:
This project has begun in November of 2024, with the demolition of the law offices, parking lot and fence. Next, Village of Arlington Heights Public Works plans on repairing and relocating water mains along Euclid and Northwest Highway. VAH will be staging this project at 750 W. Northwest Highway and will replace our depressed curb with detector loops and 6 squares of sidewalk in the Spring-summer of 2025. IDOT will next begin construction of their ADA improvements along Northwest Highway and Salem crosswalks in the summer of 2025. Lastly, the Park District will obtain approval and complete the next set of infrastructure improvements, including running water lines for irrigation, electricity upgrades to power the sign and

410 N. Arlington Heights Rd. | Arlington Heights, IL 60004 | Phone 847.577.3000 | Fax 847.577.3050 | WWW.AHPD.ORG

construction of a transformer on site to offer power for the irrigation system. We anticipate all of these infrastructure improvements will take place in the late summer/early fall of 2025. Next concrete improvements with widening the walk will take place. Finally, once all of these elements are in place, the actual sign will be constructed, signs turned on, lights installed, then irrigation and landscaping. The turf restoration portion will be the last item to complete the project and will likely take place after September of 2025 with a tentative completion by November of 2025.

Variance Requests (for Plan Commission):
The Park District respectfully requests a variance for the need to complete a traffic study. At our September 25th Conceptual Plan Review Committee meeting, the group supported waiving this study as the site is taking away parking and is not being developed in a manner that will increase any traffic at the park or in the neighborhood. Cars are unable to enter the site anymore.

Variance Requests (for Design Commission-APPROVED):
Additionally, the Park District requests a variance to allow a copy of the existing Village sign, which is not designed to be compatible with the architectural style of the Arlington Ridge Center. Adopting the Village's sign supports the look of "Arlington Heights" and provides a positive, consistent community image with gorgeous natural stone and abundant, sustainable landscaping.

We are also requesting a variance to allow this electric sign at 750 W. Northwest Highway, or a non-designated road per the ordinance. This location is ideal for an electric sign, and also to reach the public. The 750 W. Northwest Highway electric sign location could provide a gateway before reaching downtown Arlington Heights and assist in providing more community information to the public on this side of town, per Charles Witherington Perkins.

The Park District is requesting a variance to allow a ground sign with a 650-foot separation from an existing ground sign. The ground sign in front of the ARC is more of a building ID sign, verses a community sign with electronic message boards. Their use and identity are quite different, with the ARC sign's purpose in letting people know they have arrived at the fitness center. Also, this ground sign makes more sense in front of a building, verses out in an intersection, so far away from the ARC.

Other variances include allowing a 10' 5-1/4" tall sign and a 36 SF ground sign, where 25 SF is the maximum allowed. Also allowing a 32 Sf message sign, when 8.25 SF would only be allowed. The Park District respectfully requests that the look of the sign match the Village of Arlington Heights community electric sign located at the intersection of Northwest Highway and Arlington Heights Road. We believe it's important to support placemaking by creating a consistent look in Arlington Heights with our electronic sign. These variances will provide a more iconic look in Arlington Heights as well as providing important messages about community events. Additionally, the look of this sign is quite attractive, is made of natural stone and uses the highest quality materials in a classic style, providing consistency across town.

Lately we request a variance to allow an electronic sign approximately 265 feet from a residential use. This sign will not be easily viewed from the residential area, given the angle from this sign and existing, mature tree locations. Our landscape plan has added more trees and evergreens to further screen out the sign from single family residential. We do not believe the proximity to this sign will be a nuisance to existing residents.

Zoning Code and Land Use Variation Justification (Plan Commission):

1. Waiving the parking study will not alter the essential character of Arlington Heights and will be compatible with the surrounding PUD land use for the Legacy/Arc PUD. Our unique circumstances include taking out the parking and building to place an electric sign. The loss of traffic coming and going in this space doesn't warrant another full traffic study for this area.

Zoning Code and Land Use Variation Justification (Design Commission):

1. Variance to allow an electronic message sign on a non-designated road.
    a. **Response: Arlington Heights Park District really needs this community sign to provide passive advertising to more people who are not on social media, particularly seniors and low-income families. Our nearby ground sign only highlights the Arc Fitness Center building. A manual message sign would be tedious to change frequently and we have too small of staff. A manual sign also would not provide a number of different advertisements in one minute's time. Having no sign at 750 W. Northwest Highway, would certainly be a missed opportunity to reach more public constituents. AHPD electric sign would allow the park district to change the message remotely and frequently. Also, we could add in other community events. We have too many events and programs to make use of a manual sign and it would be difficult to choose which ad to put on the sign daily or weekly. Based on this prime location, this sign could serve as a Western gateway community sign to downtown Arlington Heights. This variation does not provide the AHPD with a competitive advantage over another business, municipality or local park district. This sign does provide the public with more advantages to have fun and spend quality time. Therefore, we are asking for a variance to provide an electric sign at this prime location (750 W. Northwest Highway) to reach more residents with beneficial events and classes.**

3. Variance to allow a ground sign with a 650-foot separation form the existing ground sign.
    a. **Response: The existing ARC ground sign is far from the proposed electronic sign at 650-feet, versus the 800-feet required. The 800-foot requirement would put the electronic sign out in the public roadway intersection. We do not have enough land to meet this requirement, by the configuration of the property, by being near Residential, and the angles**

an electronic sign could be viewed. Therefore, due to these unique circumstances, we request a variance. Also, the ARC ground sign and the electronic sign serve quite different purposes, with the former acting as a building ID sign and the electronic sign acting as a dynamic, community message sign on the Western gateway of Arlington Heights. More residents can benefit from this type of community sign at this ideal location.

4. Variance to allow a 10'-5-1/4" tall sign (upon a 24" raised retaining wall bed with limestone – actual sign is 8'-5-1/4").
   a. **Response: Arlington Heights Park District would be quite limited to provide readable community advertising on the electronic sign, with enough words and graphics, if we stick to the zoning height, square footage and electronic message sign restrictions. Due to the large nearby intersection, sticking to the zoning requirements would make this sign difficult to read. In order to provide enough information to the public, beyond a few words large enough to read, we need a larger, taller and bigger electronic message board and sign, similar to the Village of Arlington Heights electronic message sign on Arlington Heights Road. Given the unique circumstances in being able to read a sign at this large intersection, a smaller sign simply would not work. Having a larger electronic message board also assists us in providing more information to the public with extra space to promote community messages. In good taste, we have mirrored our electronic message sign in the same look and feel as the Village of Arlington Heights sign with quality limestone, a large 3' x 9' electronic message display, our logo, and abundant sustainable landscaping set upon a 24'' limestone retaining wall feature, similar to the Village's. AHPD admires the VAH's placemaking success through your sign, and would like to support this same iconic look through our own electronic sign as it gives Arlington Heights a distinctive identity. This new, larger sign will not only support the image of Arlington Heights, but also advertise wellness-focused programming and fun family-centered events. This proposed sign will not alter the image of the locality. Therefore, we respectfully request these variances in order to go above and beyond with getting the messages out. We are confident that by having a larger and more tasteful sign, we will spread our messages better to the public. Big enough letters, colorful messages with graphics and a reading-friendly format will support the Arlington Heights Park District in engaging messages to more hard-to-reach residents.**

5. Variance to allow a 36-sf ground sign where 25 square feet is the max allowed. Also, to allow a 32-sf electronic message sign where 8.25 sf would be the maximum allowed.
   a. **Response: See response above on #4 to also answer variance #5.**

6. Variance to allow an electronic sign approximately 265 feet from a residential use verses 300 feet.

    a. **Response: The AHPD cannot move the sign's location any further away from Residential, based on required setbacks, landscape retaining walls, and the readable angles of the electronic sign. Therefore, we are requesting a variance. AHPD believes that our improvements could add to the value of nearby residential properties, because more deciduous and evergreen trees are being installed to block the view of the sign to nearby residential homes. Also, through these improvements, more greenspace has been added with the removal of the Law Office and parking lots. Traffic will now be eliminated from this intersection with the addition of more landscaping and a sign. Water run-off will be reduced as additional turf grass will be added. In addition, great lengths have been taken to ensure the new electronic sign isn't a traffic hazard or nuisance to nearby residents. Our hired Electrical Engineer has provided lighting recommendations to ensure no motorists or residents are blinded by lights at night when driving nearby. Furthermore, AHPD will abide by all rules set forth in Section 30-705.h on Operational Standards for Electric signs. The tasteful look of this electronic sign, the responsible operation of the sign's electronics, less traffic, less water run-off, additional park space, great looking landscaping and interesting messaging could enhance the nearby residents' experience of living here, compared to pre-development. Trees and landscaping have been research-proven to both make people feel less stressed and increase property values. Additionally, an attractive sign with quality natural stone could be an asset to view and be more beneficial to the health, safety and welfare of residents through newfound knowledge of more community events and classes. The new trail improvements can assist residents in getting around town easier, too.**

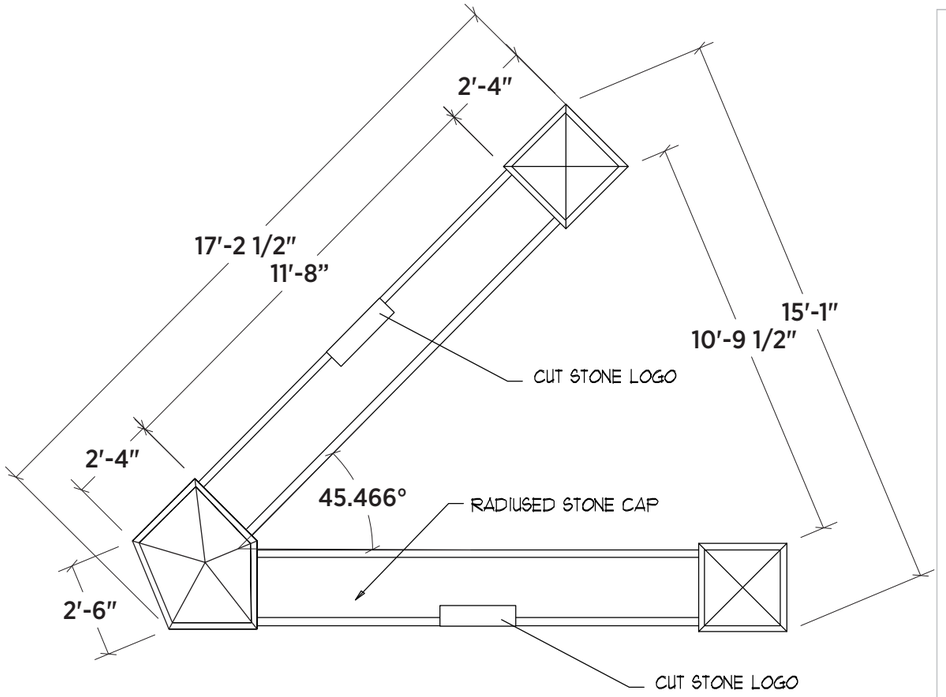
Summary of Tentative Project Timeline:
Demolition – November 2024
Infrastructure Construction – August 2025
Curbs and Concrete Path – September 2025
Sign Construction – September· November 2025
Lighting Installation – November 2025
Irrigation Connected – June 2026
Turf Restoration – November 2025
Sign Landscaping – June 2026

Monument Sign - V Shaped orientation

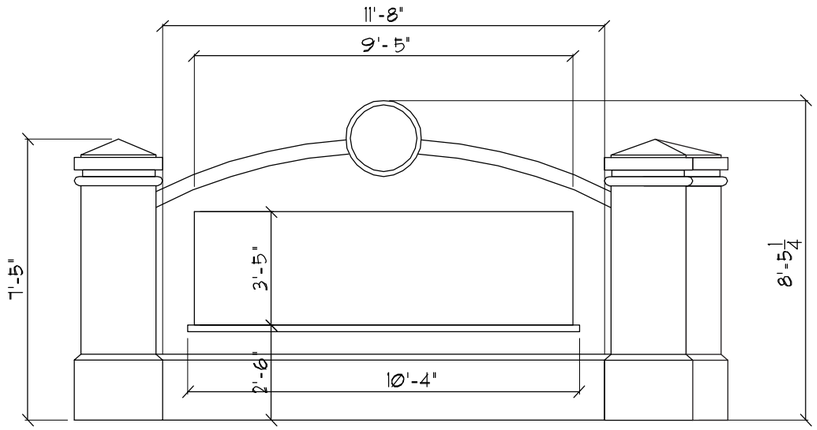
Full masonry + EMC

Final Proposed

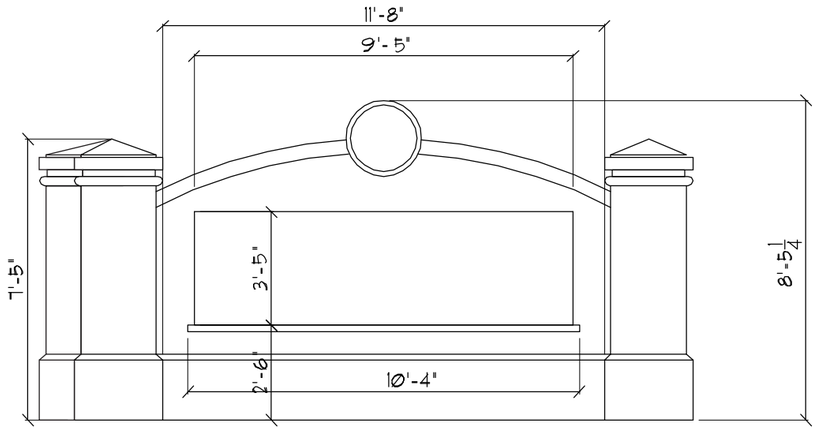
Scale 3/8" = 1'



Plan View



West Elevation



East Elevation

Fabricate and install one (1) V-shape ground sign with actual masonry and two (2) 3' x 9' S/F Watchfire EMC

Materials: Fabricate and install sign of aluminum , masonry and EMC Unit.

EMC Cabinet Size: 41in H x 9ft 3in L x 5in D
Viewing Area: 36in H x 9ft L

Finish: All exposed metal surfaces to be coated with acrylic polyurethane.

SCALE 1/4"=1'

Drawn By: PJ

Masonry	-----
EMC Readerboard Unit	------
Aluminum Cabinet (EMC Housing) - Black	Paint

Computer generated colors are not a true match to any PMS, vinyl or paint. Rendering shown is for concept only. Actual scale and placement shown are approximate.

All Signs Shall Be Installed In Accordance With N.E.C. Article 600

Engineering Specifications
All Signs Fabricated as per A.S.A. Specifications & 2018 I.B.C.

Electrical Specifications
All Signs Fabricated as per 2017 N.E.C. Specifications

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AURORA SIGN CO.
OFFICE: 630-898-5900 • AURORASIGN.COM
30W196 CALUMET AVENUE W • WARRENVILLE, IL 60555

Prepared For: Arlington Heights Park District

Address: 410 N. Arlington Heights Rd

Location Name:

City/State: Arlington Heights, IL 60004

Drwg: 240265 | **Sheet:** 1C | **Design Date:** 02/03/2025

Rev A:	Rev D:
Rev B:	Rev E:
Rev C:	Rev F:

LANDLORD APPROVAL SIGNATURE

INSTALL INSTRUCTIONS:

Install new monument sign in area shown.

Drawn By: PJ

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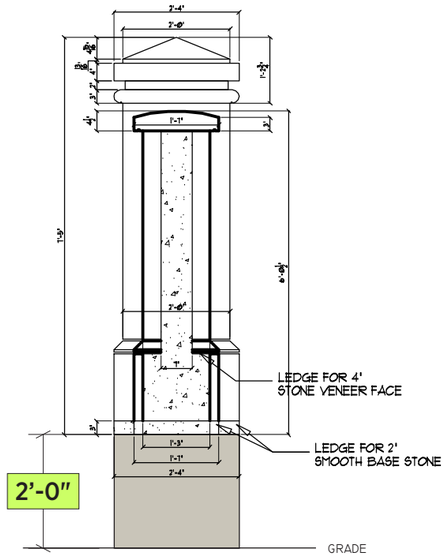
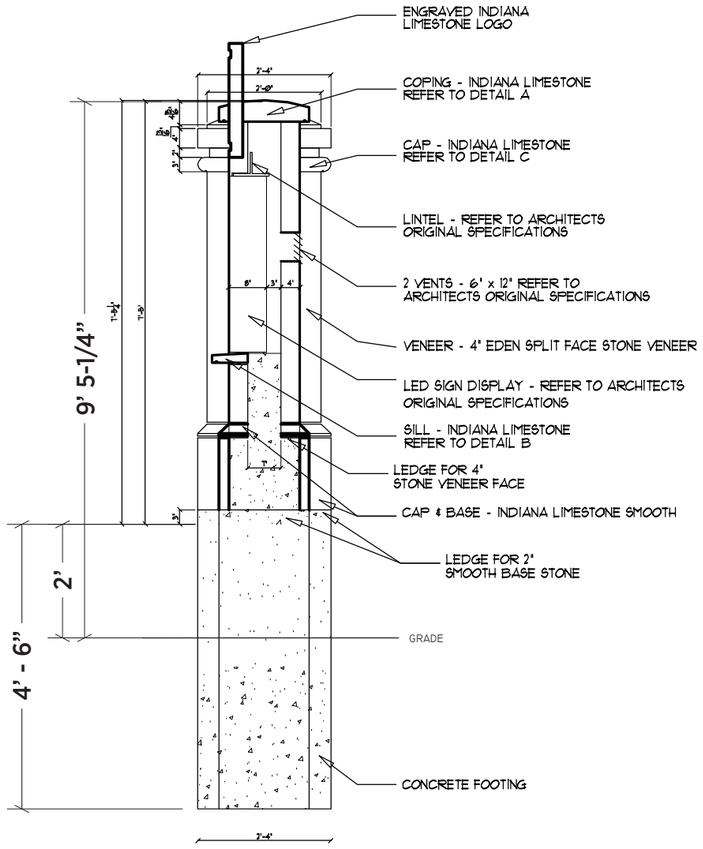
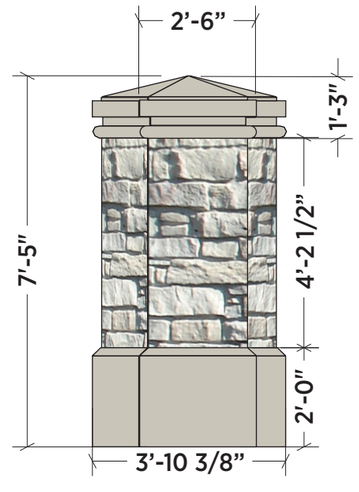
Prepared For: Arlington Heights Park District	**Address:** 410 N. Arlington Heights Rd	**Drwg:** 240265	**Sheet:** 1C-A	**Design Date:** 07/02/2024
Location Name:	**City/State:** Arlington Heights, IL 60004	Rev A: 11/14/2024 - PJ	Rev D:	**LANDLORD APPROVAL SIGNATURE**
		Rev B:	Rev E:	
		Rev C:	Rev F:	

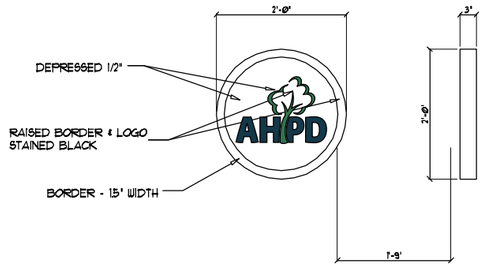
Fabrication Details / Footing



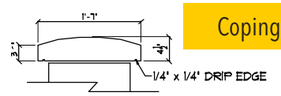




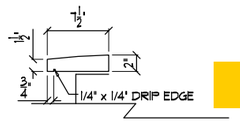
Logo Detail

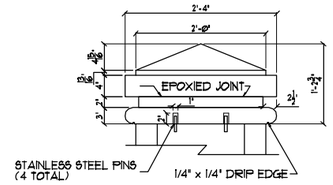


Coping



Sign Sill





Column Cap

Drawn By: PJ

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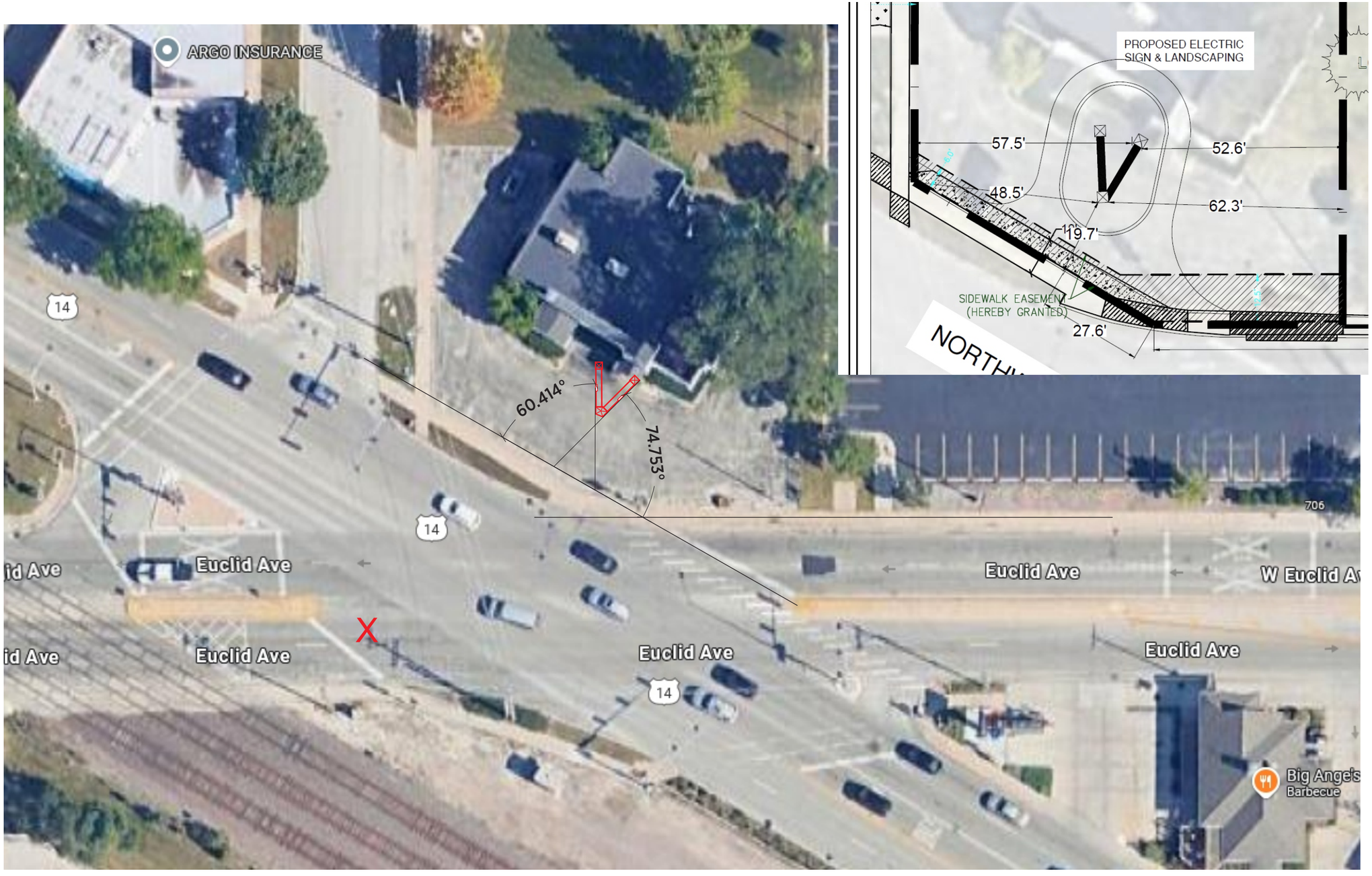
Prepared For: Arlington Heights Park District	**Address:** 410 N. Arlington Heights Rd	**Drwg:** 240265	**Sheet:** Detail	**Design Date:** 07/02/2024
Location Name:	**City/State:** Arlington Heights, IL 60004	Rev A: 11/14/2024 - PJ	Rev D:	**LANDLORD APPROVAL SIGNATURE**
		Rev B: 03/26/2025 - PJ	Rev E:	
		Rev C:	Rev F:	



Aerial View 1 - Location 4
V-Shaped sign

Drawn By:

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Location Name:	**City/State:** Arlington Heights, IL 60004	Rev A:		Rev D:
		Rev B:		Rev E:
		Rev C:		Rev F:

LANDLORD APPROVAL SIGNATURE

PLAT OF SURVEY

ALTA \NSPS LAND TITLE SUI

by

Michael J. Emmert Surveys

PUD SUMMARY FOR PLAN COMMISSION

ITEM	ACTION	NOTES
APPROVAL NEEDED	Re-zoning from B-2 to P-L with the 750 W Northwest Highway Property.	750 W. Northwest Highway Property to be added to the adjecent park and an electronic message sign placed on it.
AMMENDMENT NEEDED	Update the Village's Comprehensive Plan from "Offices Only" at 750 W. Northwest Highway, to "Parks."	Building to be taken down and greenspace added.
AMMENDMENT NEEDED	Amedn the existing Planned Unit Development (PUD) to include 750 W. Northwest Highway parcel.	Building to be taken down and greenspace added.

DATED THIS 10TH. DAY OF OCTOBER, 2022

BY: MICHAEL J. EMMERT SURVEYS, INC.
MICHAEL J. EMMERT PRESIDENT
PROFESSIONAL ILLINOIS LAND SURVEYOR NO. 24

Sign Requirements for Design Commission

ITEM	CODE REQUIREMENT	NOTES
Location	**Section 30-701**: Electronic Message Signs are only allowed in designated major arterial commercial corridors.	**Variation required** to allow an electronic message sign on a non-designated road.
Number	**Section 30-302:** A minimum of 800 feet of separation is required between ground signs measured along the right of waylines.	**Variation required** to allow a ground sign with a 650 foot separation from the existing ground sign (exact distance to be determined).
Setback	**Section 30-301.b:** 15 feet minimum setback is required for ground signs in a P-L (Public Land) Zoning District. Note: Section 30-301.c: a 12 foot clear visibility triangle is required at the street intersection.	**Meets the requirement**. Approximately 15 foot setback. **Meets the 12' visibility triangle requirement.**
Height	**Section 30-203.b:** Ground signs accessory to be a permitted non-residential use shall not exceed six feet in height.	**Variation required** - allow 10'-5-1/4" tall sign.
Size	**Section 30-705.c:** Ground signs accessory to a permitted non-residential use shall not exceed 25 square feet. Note: While not specifically noted in code, it si the Planning Departments policy to allow a maximum 80% additional area for the sign structure. In this case, 25 sf x .80=20sf plus 25 sf-45 sf total allowed combine sign and sign structure. **Section 30-705.c:** Maximum size of an electronic message sign shall be no more than 33% of the allowable ground sign size. Electronic message Sign max. size=8.25 sf. Proposed Sign Summary: AHPD sign=4 sf, Electronic message sign = 32 sf, Total proposed signage =36sf.	**Variation required** to allow a 36 sf ground sign, where 25 square feet is the max allowed. **Variation required** to allow a 32 sf electronic message sign, where 8.25 sf would be the maximum allowed.
Design	**Section 30-203.b:** All signs must be designed to be compatible with the architectural style of the development. **Section 30-705.a:** Electronic message signs are only permitted on monument style ground signs (pole mounted not allowed).	**Meets the requirement.**
Display	**Section 30-705.b:** Only high resolution full color electronic displays are allowed.	**Meets requirement.**
Arrangment	**Section 30-705c:** The electronic portion of the sign must be the lower portion of the sign.	**Meets the requirement.** .
Quantity	**Section 30-705.d:** Only one electronic message sign per property is permitted.	**Meets the requirement.**
Spacing	**Section 30-705e:** Minimum 300 feet spacing is required between electronic message signs on the same side of any street.	**Meets requirement.**
Separation from Residential	**Section 30-705.f:** Electronic Message Signs are not permitted within 300 feet of any property being used for a residential use.	**Variation required** to allow an electronic sign approximately 265 feet from a residental use (exact distance to be confirmed). Trees currently screen views.
Orientation	**Section 30-705.g:** Electronic message signs must be oriented perpendicular to the roadway.	**Meets requirement.**
Landscaping	**Section 30-301.e:** The area under a ground sign must be landscaped a minimum of two feet out from the sign base.	**Exceeds the requirments.**

EXISTING TREES BLOCK VIEWS - ELECTRIC SIGN

REMOVAL OF 58' DEPRESSED CURB, DRIVEWAY AND CURBS. ROW FILLED WITH TOPSOIL & SEEDED W/ BLUEGRASS.

N. SALEM AVE.

66 FT. RIGHT OF WAY

OVERHEAD WIRES

GUY WIRE ANCHOR

WOOD POLE

16 FT. VACATED ALLEY

SOUTH HALF VACATED ALLEY

REC. 31.77'

REC. 31.77'

REC. 25.00'

REC. 25.00'

L4

15' REQUIRED SETBACK FOR P-L

LAW OFFICE REMOVED & CONVERTED TO GREEN SPACE, REZONED TO P-L

LOT 16

L5

L3

LOT 19

LOT 18

LOT 17

DEPRESSED CURB

BLACKTOP DRIVEWAY

CONCRETE WALK

TRAFFIC SIGNAL MANHOLE

VAULT

WOOD POLE

INLET

STREET SIGN

TRAFFIC SIGNAL

X IN WALK IS 2.91 SOUTHWESTERLY AND 3.93 WEST

CONCRETE CURB AND GUTTER

CONCRETE CURB

CONCRETE WALK

L2

10'

VIEW-SHED

PROPOSED ELECTRIC SIGN & LANDSCAPING

WOOD POLE

TRAFFIC SIGNAL

CONCRETE WALK

L1

DEPRESSED CURB

VIEW-SHED

REMOVAL OF 24' DEPRESSED CURB AND RESTORED TO MATCH RAISED CURBS. ROW FILLED WITH TOPSOIL AND SEEDED WITH BLUEGRASS.

NORTHWEST HWY.

EUCLID AVENUE

LINE TABLE

Line	Bearing	Distance	Measure
L1	N.89°56'00"W.	50.00'	50.00'
L2	N.59°14'03"W.	73.64'	73.90'
L3	N.00°04'00"E.	95.30'	95.27'
L4	S.89°56'00"E.	113.47'	113.54'
L5	S.00°04'00"W.	133.00'	133.00'

SYMBOLS

- CONCRETE FILLED POST
- HYDRANT
- TEST WELL
- MONITORING WELL
- METAL COVER - SIZE VARIES
- MANHOLE
- SIGN
- LIGHT
- UTILITY POLE
- CONCRETE CURB
- CONCRETE CURB AND GUTTER
- CONCRETE

A.C. – AIR CONDITIONER
W.M.–WATER METER
G.M.–GAS METER
T.I.–TELEPHONE INTERFACE
C.S.–CABLE SERVICE
E.M.–ELECTRIC METER

EXISTING PARKING LOT FOR THE ARC FITNESS CENTER

750 W. NORTHWEST HIGHWAY
ARLINGTON HEIGHTS, ILLINOIS

SCALE: 1" = 10'	CHKD. / AP'V'D:
DATE: OCTOBER 10, 2022	APPROVED:
DWN. BY: MJE	LAST REVISED: 3-8-2023
CHKD. BY: ADE	

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

Date: 7-15-2024
License expires, 8-31-2025

LICENSED LANDSCAPE ARCHITECT
SUSAN ROHNER
157.001778
STATE OF ILLINOIS

Issues & Revisions

#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION

North

Scale: 1" = 10'

0 5 10 20 30

Sheet Title

ELECTRIC SIGN CODE REQUIREMENTS SITE PLAN

Date: February 26, 2025

ES-1

PROPOSED PUD ADDITIONS
& APPROVED ELECTRIC SIGN DESIGN

ARLINGTON HEIGHTS PARK DISTRICT (AHPD)

Board of Commissioners
Maryfran H. Leno-President
Timothy A. Gelinas-Vice President
Brian J. Owen-Commissioner
Robert J. Nesvacil-Commissioner
John T. Supplitt-Commissioner

Executive Director
Carrie A. Fullerton, CPRE

Director of Parks and Planning
John T. Kramer

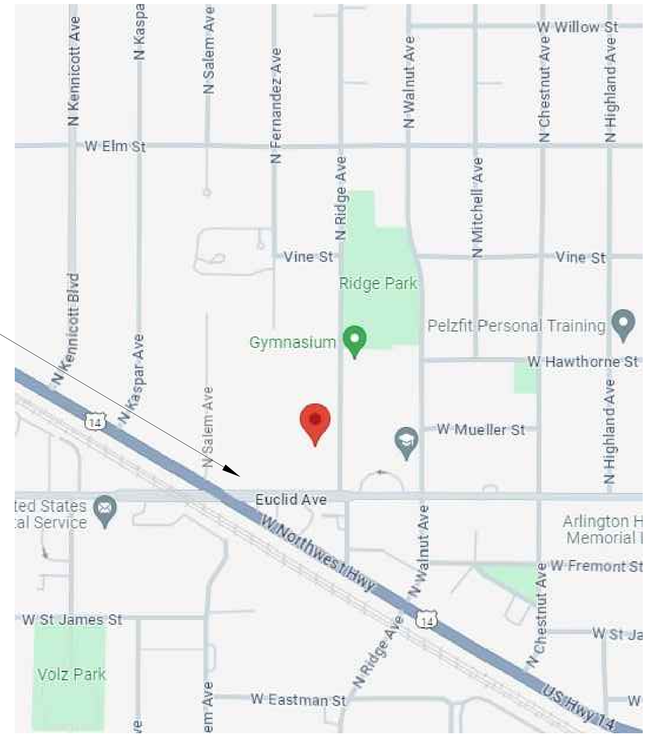
ISSUE FOR PERMIT- DRAWINGS

C-1 SIGN COVER PLAN
EX-1 EXISTING CONDITIONS PLAN - 750 W. NW HWY
EX-2 EXISTING CONDITIONS PLAN - ARC PUD
ES-1 SIGN SITE PLAN
ES-2 TREE PRESERVATION PLAN
ES-3 SIGN LANDSCAPE PLAN*
ES-4 GROUND SIGN TO ELECTRIC SIGN EXHIBIT
ES-5 ELECTRIC SIGN ELEVATION
ES-6 REFERENCE PHOTOS EX SITE
ES-7 SIDEWALK STAKEHOLDER EXHIBIT
EL-1 ELECTRICAL SITE PLAN
EL-2 ELECTRIC SCHEDULES
EL-3 ELECTRIC SCHEDULES & LIGHT DETAIL
PU-1 PUD MASTER PLAN
P-1 PERSPECTIVE VIEWS- Coming Soon at Meeting

*NOTE: IRRIGATION PLANS TO BE SUBMITTED SEPARATELY

NEW SIGN LOCATION
LEGACY PARK & ARC
660 N. Ridge Ave.
Arlington Heights, IL 60004

Site Location Map



Monument Sign

Full masonry + EMC

AHPD LOGO

Final Proposed

FINAL ELECTRIC SIGN -
DESIGN COMMISSION APPROVED

ISSUED FOR PERMIT - PUD PLAN SET
FEBRUARY 26, 2025

JULIE BEFORE YOU DIG.COM
Protect Yourself And Your Family

811 Call before you dig
It's a free service

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

Issues & Revisions

#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION

North

Scale: Not To Scale

Sheet Title

COVER PLAN

Date: February 26, 2025

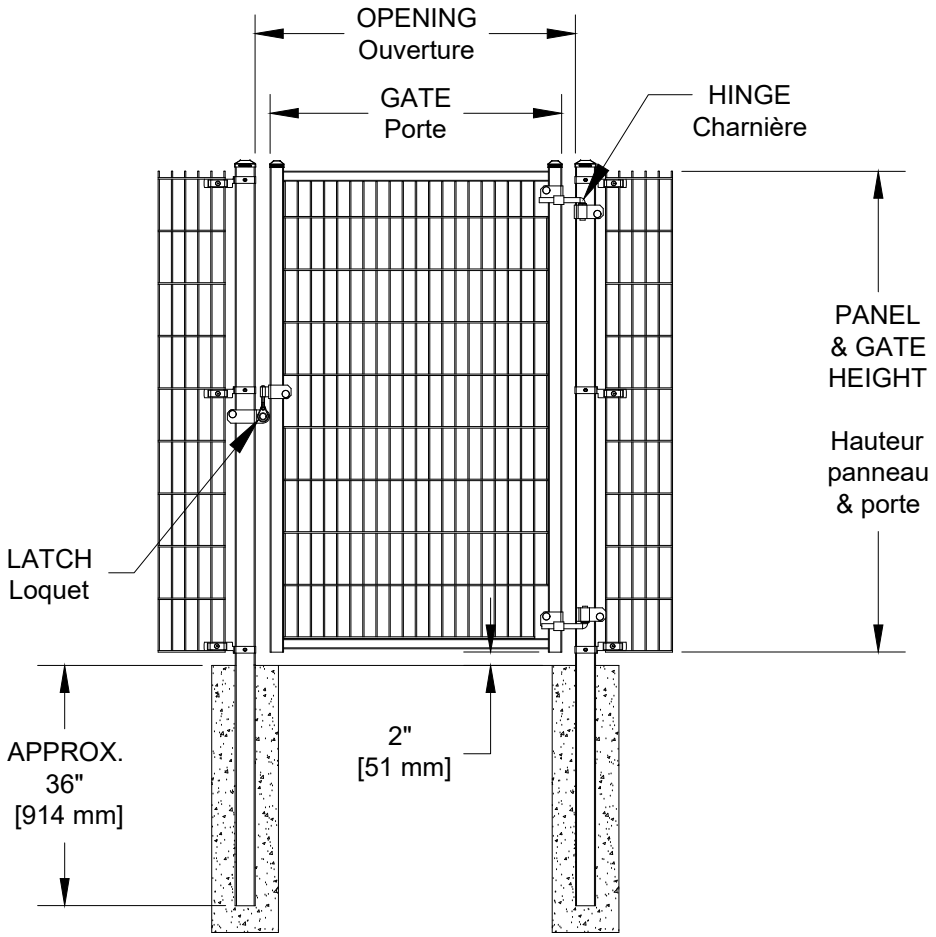
C-1

OMEGA SECUR SINGLE SWING GATE

BARRIÈRE OMEGA SECUR À BATTANT SIMPLE

GATE POST DIMENSIONS			
GATE HEIGH	OPENING OF A SINGLE LEAF OVER	OPENING OF A SINGLE LEAF UP TO	POST
4'-0"	3'	11'	3" x 3" 11 ga
	11'	16'	4" x 4" 11ga
	16'	19'	6" x 6" 3/16"
6'-0"	3'	9'	3" x 3" 11 ga
	9'	13'	4" x 4" 11ga
	13'	19'	6" x 6" 3/16"
8'-0"	3'	7'	3" x 3" 11 ga
	7'	9'	4" x 4" 11ga
	9'	19'	6" x 6" 3/16"

DIMENSION DES POTEAUX DE PORTE			
HAUTEUR DE PORTE	OUVERTURE D'UN SIMPLE BATTANT AU DESSUS	OUVERTURE D'UN SIMPLE BATTANT JUSQU'À	POTEAU
4'-0"	3'	11'	3" x 3" 11 ga
	11'	16'	4" x 4" 11ga
	16'	19'	6" x 6" 3/16"
6'-0"	3'	9'	3" x 3" 11 ga
	9'	13'	4" x 4" 11ga
	13'	19'	6" x 6" 3/16"
8'-0"	3'	7'	3" x 3" 11 ga
	7'	9'	4" x 4" 11ga
	9'	19'	6" x 6" 3/16"



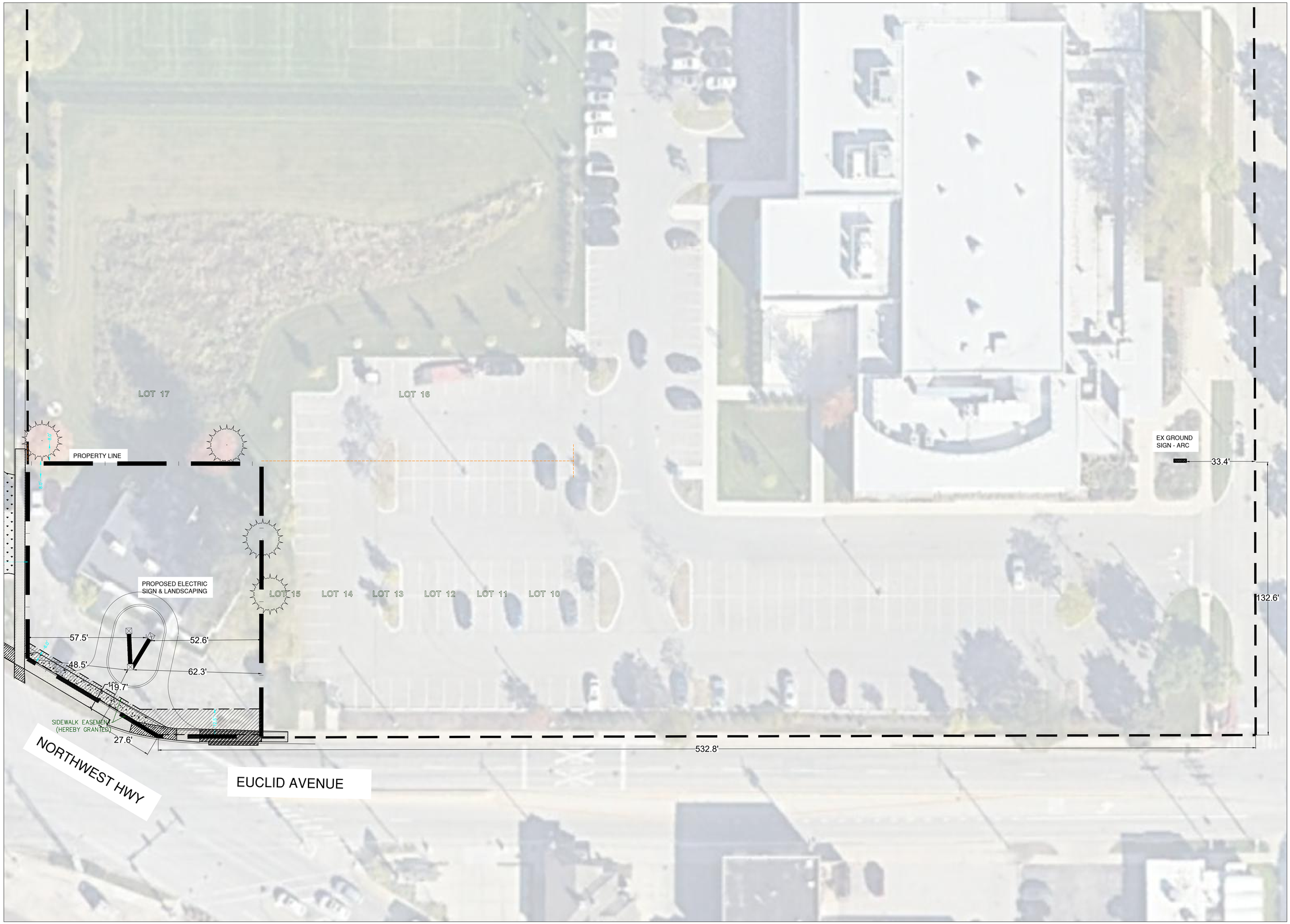
SYSTÈMES DE CLÔTURES omega II FENCE SYSTEMS

Omega II Fence Systems
1735, Blvd. St-Elzéar West
Laval, Quebec
H7L 3N6

Tel: 450-686-9600
1-800-836-6342
Fax: 450-681-5318
www.omegafence.com

WEB

REVISION : 12/21



Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

Issues & Revisions		
#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION

North

Scale: 1" = 20'

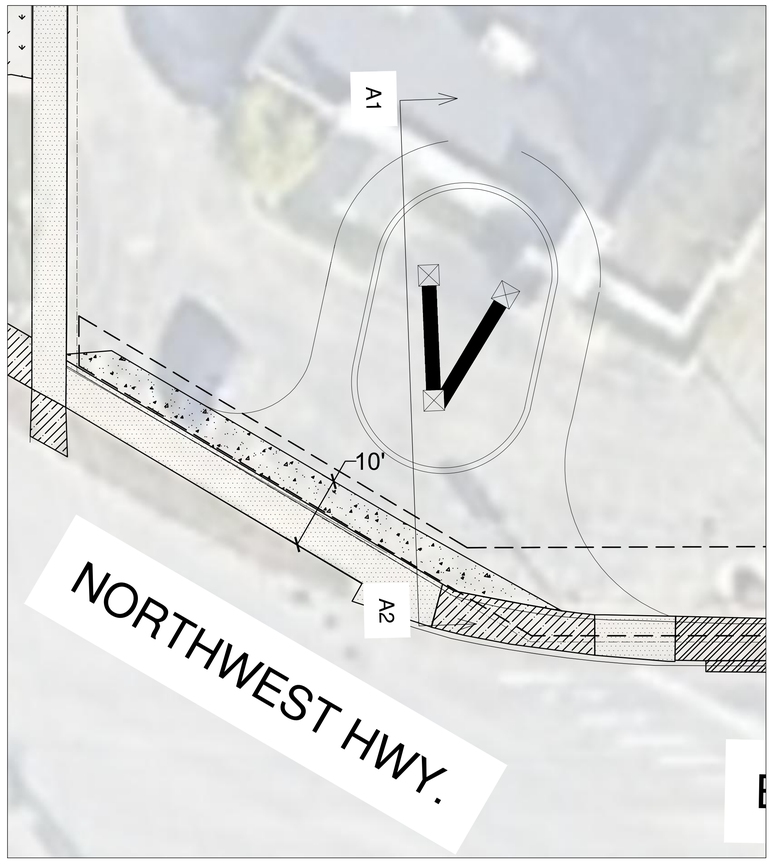
0 10 20 40 60

Sheet Title

GROUND SIGN TO SIGN EXHIBIT

Date: February 26, 2025

ES-4



ELEVATION REFERENCE

ELEVATION DRAWING WITH 10' 5 $\frac{1}{4}$" SIGN

A1

A2

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

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AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

Date: 7-15-2024
License expires, 8-31-2025

LICENSED LANDSCAPE ARCHITECT
SUSAN ROHNER
157.001778
STATE OF ILLINOIS

Issues & Revisions

#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION

North

Scale: 1" = 10'

0 5 10 20 30

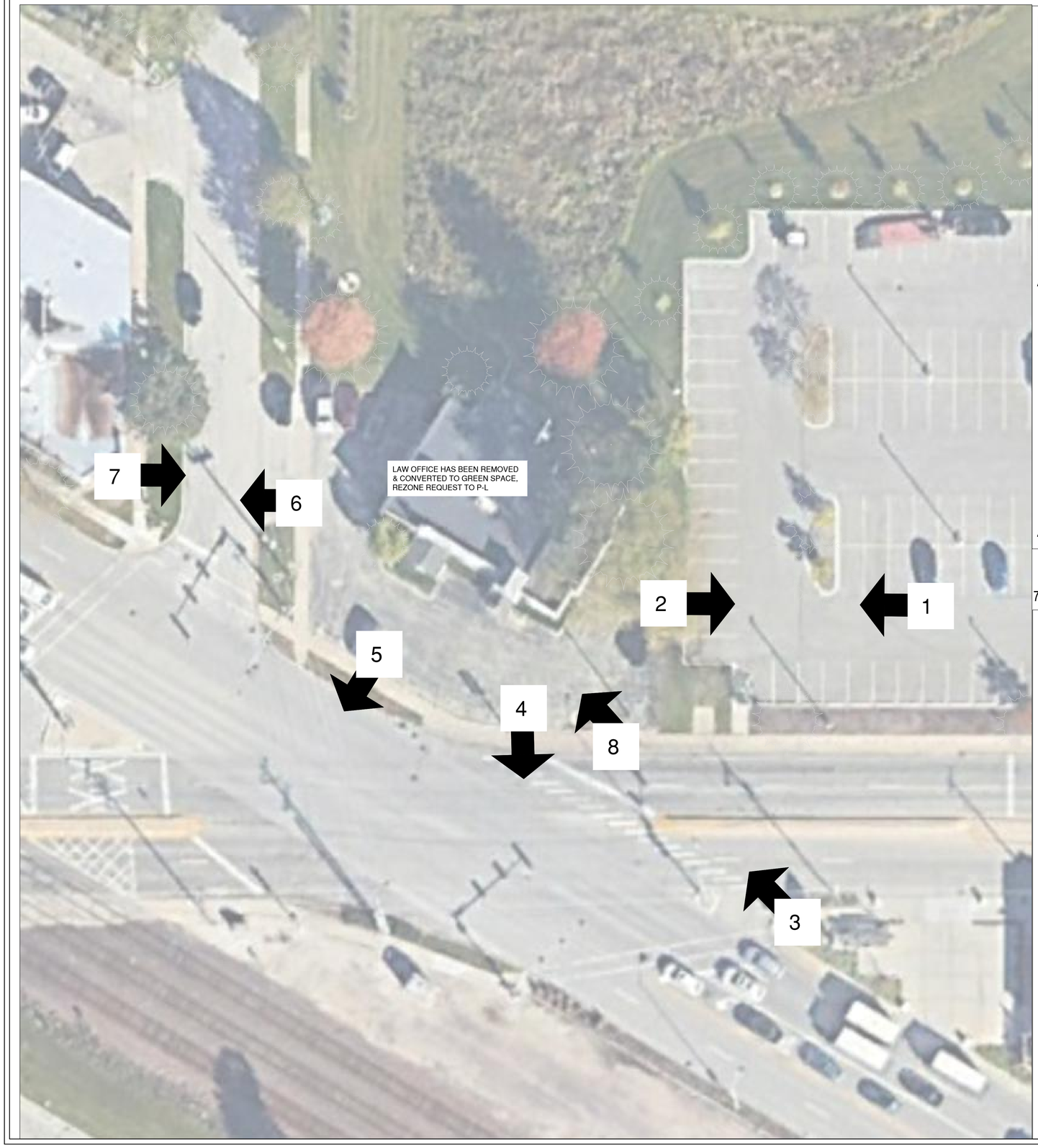
Sheet Title

ELECTRIC SIGN ELEVATION VIEW

Date: February 26, 2025

ES-5

750 W. NORTHWEST HWY PROPERTY - PHOTO EXHIBIT



ARC/LEGACY PARK PUD EXISTING GROUND SIGN PICTURES WITH DIMENSIONS

ARC SIGN LOOKING NORTH

ARC SIGN LOOKING WEST

ARC SIGN LOOKING SOUTH

ARC SIGN LOOKING EAST

750 W. NORTHWEST HIGHWAY VIEWS

#1-VIEW WEST TO SITE

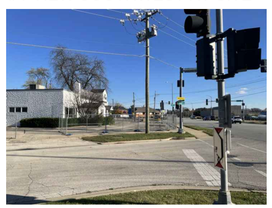
#2-VIEW EAST FROM SITE

#3-VIEW NORTHWEST TO SITE

#4-VIEW SOUTHWEST AT SITE

#5-VIEW SOUTHEAST FROM SITE

#6-VIEW WEST FROM SITE



#7-VIEW EAST TO SITE

#8-VIEW NW- POST DEMO SITE
DEMO COMPLETE LATE FALL '24

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AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

Issues & Revisions

#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
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#3	02.26.25	EDITS-PLAN COMMISSION

North

Scale: 1" = 20'

0 10 20 40 60

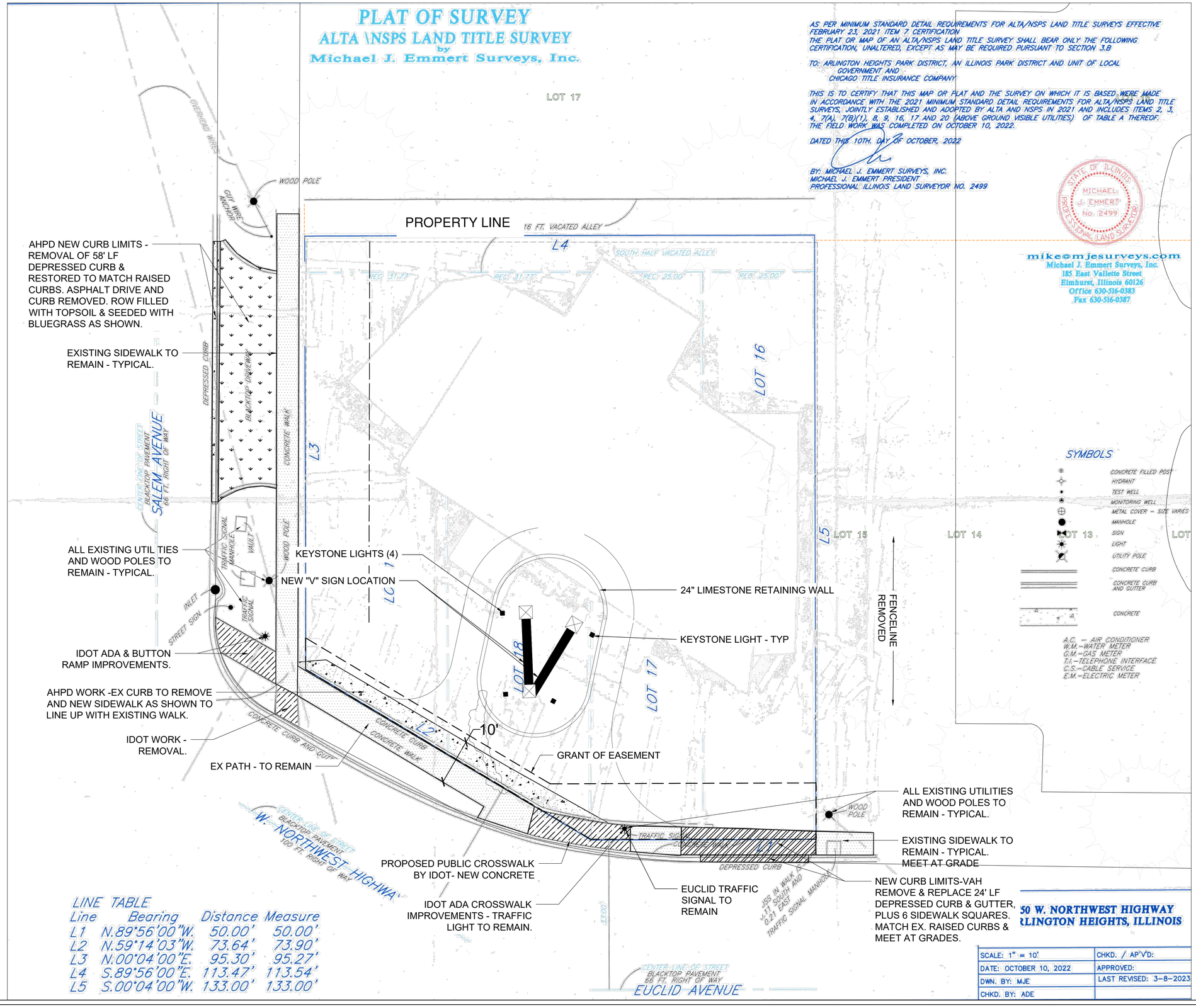
Sheet Title

ELECTRIC SIGN EXISTING SITE PHOTOS

Date: February 26, 2025

ES-6

V-SHAPED ELECTRIC SIGN & NEW LEGACY PARK ACQUISITION



Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

Issues & Revisions		
#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION

North

Scale: 1" = 10'

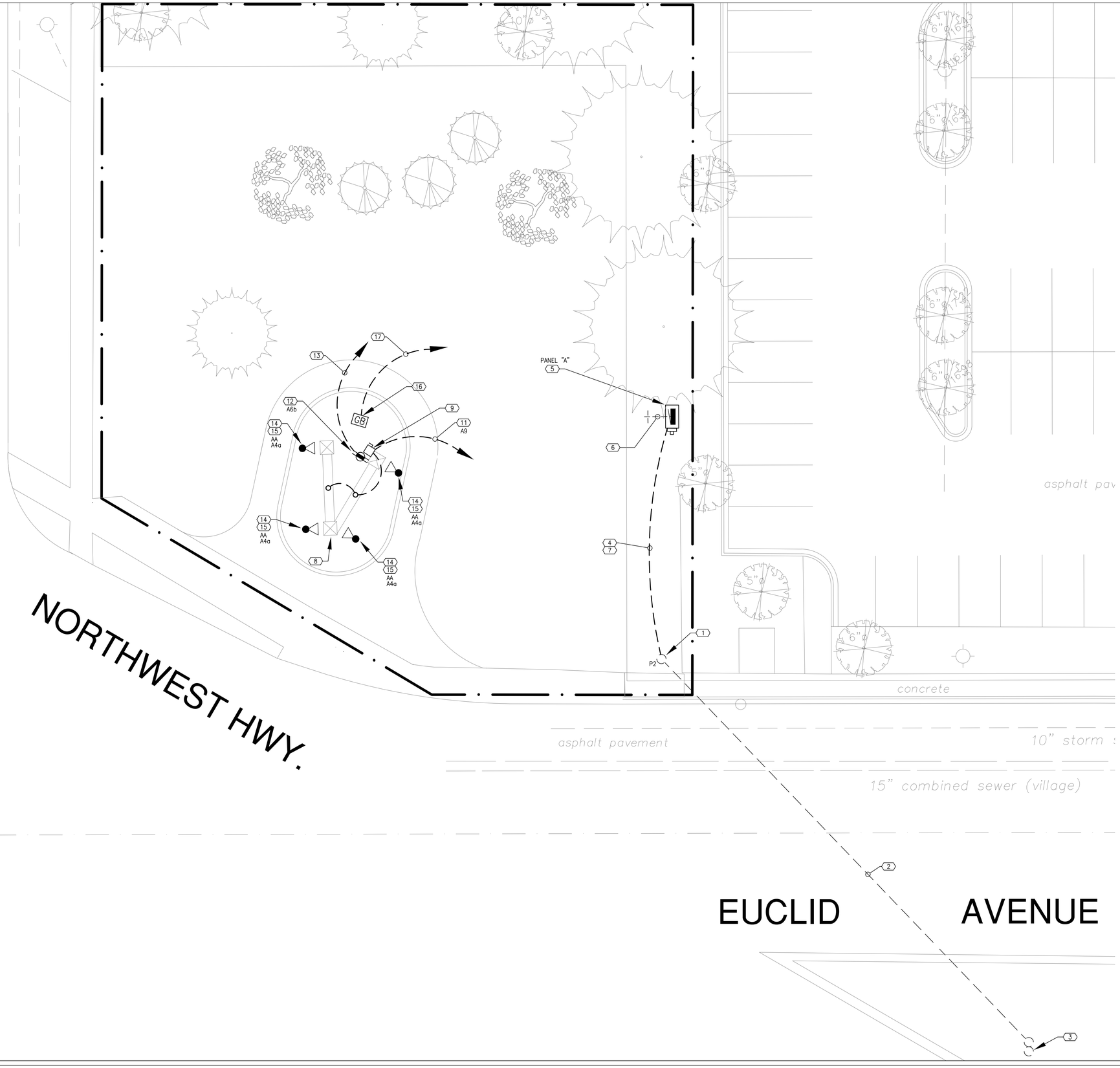
0 5 10 20 30

Sheet Title

ELECTRIC SIGN SIDEWALK STAKEHOLDER EXHIBIT

Date: February 26, 2025

ES-7



SHEET NOTES (X)

1. EXISTING UTILITY COMPANY POLE TO REMAIN.
2. UTILITY COMPANY OVERHEAD ELECTRIC.
3. EXISTING UTILITY COMPANY POLE WITH TRANSFORMER TO REMAIN.
4. SERVICE CONDUIT AND WIRE. SEE SHEET E2.0.
5. PROVIDE FREE STANDING CONTROL CABINET FOR NEW METER, PANEL "A", SPD, TIMER AND IRRIGATION CONTROLLER. VERIFY EXACT PANEL LOCATION AND ORIENTATION WITH LANDSCAPE ARCHITECT. SEE SHEET E2.0. FURNISH AND INSTALL CONCRETE FOUNDATION TO MOUNT CONTROL CABINET. SEE SHEET E2.0.
6. PROVIDE TWO (2) 1 1/2" (ONE FOR IRRIGATION CONTROL WIRING) AND (8) EIGHT 1" CONDUIT STUBS FROM PANEL TO LANDSCAPED AREA FOR FUTURE. CAP AND STAKE.
7. FURNISH AND INSTALL UNDERGROUND SERVICE CONDUIT AND CABLE ROUTED UP EXISTING UTILITY POLE TO UTILITY COMPANY POLE MOUNTED TRANSFORMER(S). VERIFY EXACT POLE TO BRING SERVICE FROM WITH COMED. COORDINATE INSTALLATION AND VERIFY ALL REQUIREMENTS WITH UTILITY COMPANY. SEE SHEET E2.0.
8. PROPOSED MONUMENT SIGN.
9. FURNISH AND INSTALL NEMA 3R DISCONNECT SWITCH SURFACE MOUNTED WITH UNDERGROUND FEED TO MONUMENT SIGN. COORDINATE EXACT ROUTING TO SIGN WITH SIGN SUPPLIER PRIOR TO INSTALLATION.
10. 1"C.-2#8+1#8 GRD.
11. 1"C.-2#8+1#8 GRD TO PANEL A.
12. FURNISH AND INSTALL GFCI TAMPER AND WEATHER RESISTANT RECEPTACLE WITH LOCKABLE COVER. COVER SHALL BE HUBBELL #WP262E. RECEPTACLE SURFACE MOUNTED 18" ABOVE FINISH GRADE IN WEATHERPROOF CAST BOX AT SIGN. VERIFY EXACT LOCATION AT SIGN WITH LANDSCAPE ARCHITECT.
13. 1"C.-2#10+1#10 GRD TO PANEL A VIA TIMER A.
14. FURNISH AND INSTALL GRADE MOUNTED MONUMENT LIGHT FIXTURE. FURNISH AND INSTALL CONCRETE FOUNDATION. SEE DETAIL ON SHEET E3.0. VERIFY EXACT LOCATION WITH LANDSCAPE ARCHITECT/OWNER PRIOR TO INSTALLATION.
15. 1"C-2#10+1#10 GRD TO GRADE BOX.
16. FURNISH AND INSTALL IN-GRADE BOX FLUSH WITH GRADE. COORDINATE EXACT LOCATION WITH LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN.
17. 1"C-2#10+1#10 GRD. CONNECT ACCENT LIGHTING FIXTURES TO PANEL A. ACCENT LED FIXTURES CONTROLLED VIA TIMER "A".

GENERAL NOTES

A. THIS DRAWING DOES NOT PURPORT TO SHOW ALL EXISTING LIGHT FIXTURES, RECEPTACLES, JUNCTION BOXES, SWITCHES, ETC. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND BE RESPONSIBLE FOR ALL REQUIRED ELECTRICAL DEMOLITION WORK. CONTRACTOR SHALL ALSO FIELD VERIFY ALL CONDUITS, CABLES, ETC. THAT ARE PASSING THROUGH THIS AREA AND SERVE ADJACENT AREAS THAT ARE REQUIRED TO REMAIN.

B. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW WORK WITH EXISTING CONDITIONS.

C. CONDUIT ROUTING IS DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND ADJUST AS REQUIRED.

D. CONTRACTOR SHALL BE AWARE OF POSSIBLE CONFLICTS BETWEEN NEW AND EXISTING UTILITIES AND COORDINATE AS REQUIRED. PROTECT ALL EXISTING UTILITIES AS REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES BEFORE BEGINNING WORK. ANY UTILITIES DAMAGED BY CONTRACTOR SHALL BE REPAIRED BY CONTRACTOR TO OWNERS SATISFACTION.

E. ALL DAMAGED AND DIRTIED CONCRETE SIDEWALKS, ASPHALT, STAIRS, PAVERS, ETC., DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR.

F. ALL ELECTRICAL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL AMENDMENTS IN EFFECT AT THE TIME OF CONSTRUCTION.

G. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL PERMIT AND COORDINATING SITE INSPECTIONS THOUGH THE VILLAGE OF ARLINGTON HEIGHTS.

H. ELECTRICAL SERVICE INSTALLATION SHALL MEET THE VILLAGE OF ARLINGTON HEIGHTS CODE OF ORDINANCES REQUIREMENTS.

I. SEE MONUMENT SIGN DRAWINGS ETC. FOR ADDITIONAL WORK REQUIRED BY THE ELECTRICAL CONTRACTOR FOR THE SIGN. VERIFY MANUFACTURER, MODEL NUMBER, STYLE, COLOR, ACCESSORIES, OPTIONS, ETC. WITH LANDSCAPE ARCHITECT & G.C. PRIOR TO ORDERING, ROUGH-IN, OR INSTALLATION. COORDINATE LOCATION AND INSTALLATION WITH MONUMENT SIGN SUPPLIER.

J. VERIFY ALL LOCATIONS OF LIGHT FIXTURES WITH LANDSCAPE ARCHITECT/ OWNER PRIOR TO ROUGH-IN.

LEGEND

(X) DENOTES SHEET NOTE TAG

Arlington Heights Park District
410 North Arlington Heights Road
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Project

AHPD ELECTRIC SIGN PROPOSAL AND ADDITION TO OLYMPIC/ARC PUD

750 W. NORTHWEST HIGHWAY
ARLINGTON HEIGHTS, IL 60004

Date: 10-08-2024
License expires, 11-30-2025

MICHAEL C. ZUCCARELLI REGISTERED No. 062-051720 STATE OF ILLINOIS PROFESSIONAL ENGINEER

Michael C Zuccarelli

NOVA ENGINEERING, PC
2338 CLINE AVENUE
SCHERERVILLE, IN 46375
phone: 219-865-3352
fax: 219-865-3464

Issues & Revisions		
#	Date	Description
	11-18-24	ISSUED FOR PERMIT
	01-29-25	PLAN COMMISSION REVIEW

North

Scale: 1" = 10'

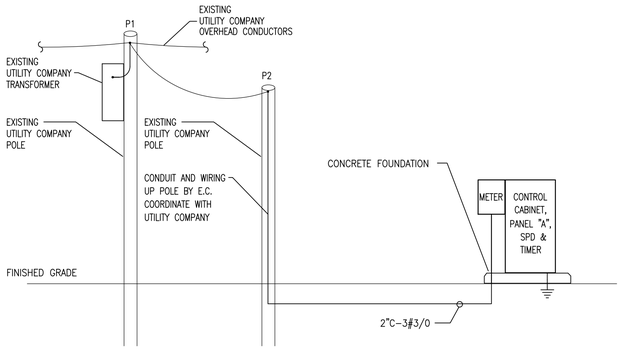
0 5 10 20 30

Sheet Title

ELECTRICAL SITE PLAN - ELECTRIC SIGN

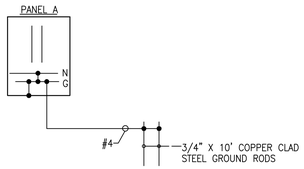
Date: September 23, 2024

EL-1



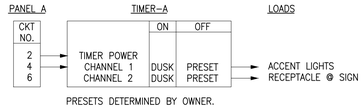
1 | RISER DIAGRAM

120/240V, 1ø



2 | GROUNDING DIAGRAM

SCALE: NONE

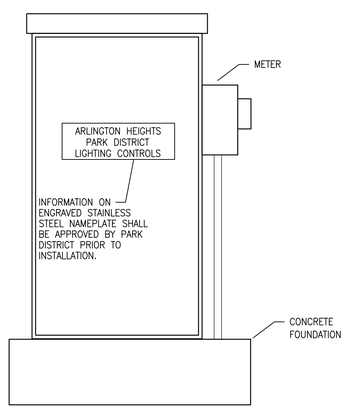


3 | TIMER - A

PANELBOARD A

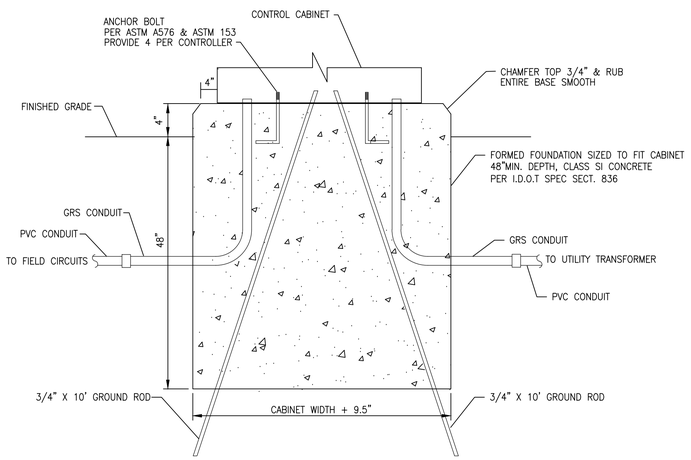
VOLTAGE: 240/120V, 1 PHASE, 3 WIRE
MAIN: 200A MCB
65KAIC SERIES RATED
MOUNTING: SURFACE

CKT NO.	LOAD DESCRIPTION	C/B	LOAD VA L1	LOAD VA L2
1	LIGHT FIXTURE CABINET	20A/1P	150	
3	CABINET RECEPTACLE	20A/1P		180
5	CABINET HEATER	20A/1P	100	
7	IRRIGATION CONTROLLER	20A/1P		200
9	MONUMENT SIGN	45A/1P	4080	
11	SPARE	20A/1P		-
13	SPARE	20A/1P	-	
15	SPARE	20A/1P		-
17	SPACE		-	
19	SPACE			-
21	SPACE		-	
23	SPACE			-
25	SPACE		-	
27	SPACE			-
29	SPACE		-	
2	TIMER	20A/1P	100	
4	ACCENT LIGHT @ SIGN	20A/1P		60
6	RECEPTACLE @ SIGN	20A/1P	180	
8	SPARE	20A/1P		-
10	SPARE	20A/1P	-	
12	SPARE	20A/1P		-
14	SPARE	20A/1P	-	
16	SPACE			-
18	SPACE		-	
20	SPACE			-
22	SPACE		-	
24	SPACE			-
26	SPACE		-	
28	SPD	30A/2P		-
30			-	
TOTALS PER PHASE			4610	440
TOTAL KVA			5.1	
MAX AMPS			38	



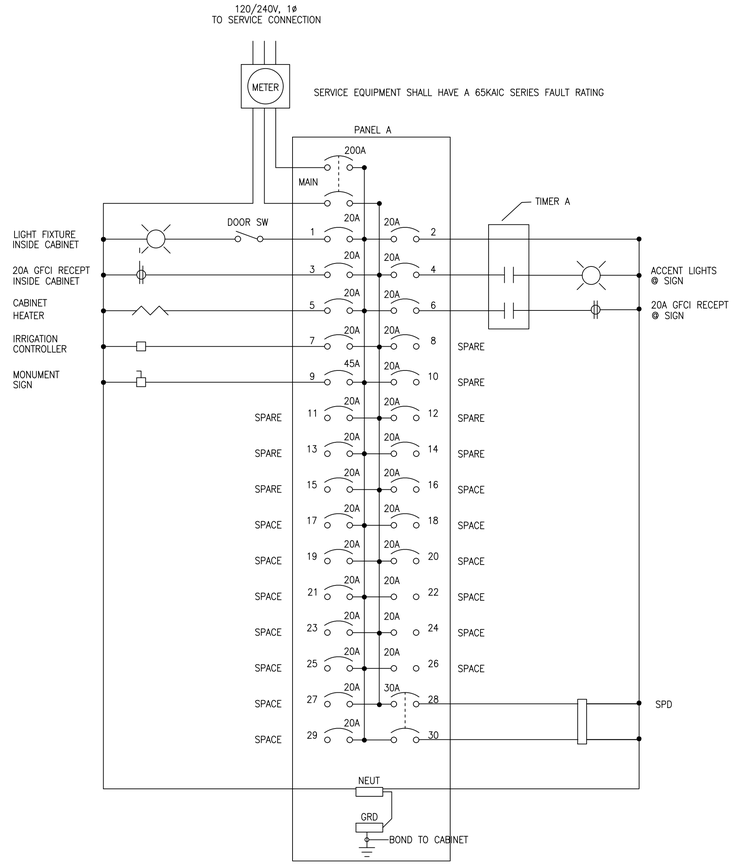
4 | CONTROL CABINET

SCALE: NONE



5 | CONTROL CABINET FOUNDATION

SCALE: NONE



6 | CONTROL CABINET DIAGRAM

SCALE: NONE

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ELECTRIC SIGN PROPOSAL AND ADDITION TO OLYMPIC/ARC PUD

750 W. NORTHWEST HIGHWAY
ARLINGTON HEIGHTS, IL 60004

Date: 10-08-2024
License expires, 11-30-2025

MICHAEL C. ZUCCARELLI REGISTERED No. 062-051720 STATE OF ILLINOIS PROFESSIONAL ENGINEER

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Issues & Revisions

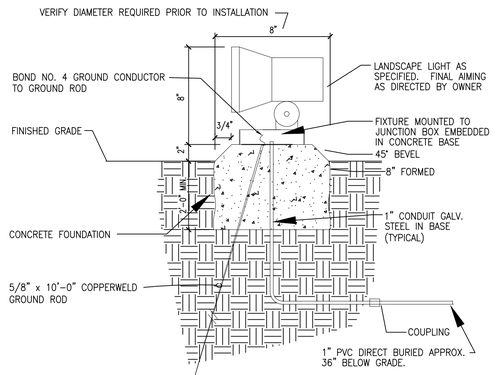
#	Date	Description
	11-18-24	ISSUED FOR PERMIT
	01-29-25	PLAN COMMISSION REVIEW

Sheet Title

ELECTRICAL SCHEDULES

Date: September 23, 2024

EL-2



TYPE "AA"
1 | LIGHT BASE DETAIL

NO SCALE

NOTES:
1. CONCRETE BASE TO BE BY E.C.
2. BASE TO SET ON UNDISTURBED SOIL.
3. SET ALL FIXTURES TRUE & PLUMB.
4. VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION.
5. COMPACTABLE BACKFILL TO 95%.
6. 3000 PSI 28 DAY STRENGTH CONCRETE.
7. HOLE FOR BASE SHALL BE AUGERED. PLACE CONCRETE SAME DAY AS AUGER.

SITE ELECTRICAL SPECIFICATIONS

GENERAL
1. THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF THE SYSTEMS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS.
2. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER AND COMPLY WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES AND ORDINANCES AND THE REQUIREMENTS OF THE LOCAL UTILITY COMPANY. ALL EQUIPMENT SHALL BE U.L. (OR OTHER NATIONALLY RECOGNIZED TESTING COMPANY) LISTED.
3. ALL DRAWINGS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR SHALL INSTALL SYSTEMS TO MEET FIELD CONDITIONS. CONTRACTOR SHALL COORDINATE ALL WORK WITH RESPECTIVE TRADES, AND VERIFY LOCATIONS FROM THE ARCHITECTURAL DRAWINGS, SUPPLIER DRAWINGS, AND FIELD DIMENSIONS.
4. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE FULL EXTENT OF THE WORK AND THE WORKING CONDITIONS.
5. THE DRAWINGS AND SPECIFICATIONS HAVE BEEN DEVELOPED FOR ONE (1) PRIME CONTRACTOR. THEY ARE NOT INTENDED TO DIVIDE THE WORK BETWEEN CONTRACTORS. COORDINATE INTERFACES WITH GENERAL CONTRACTOR.
6. ARRANGE AND PAY FOR ALL COST CHARGEABLE TO THE OWNER BY UTILITY COMPANIES FOR ELECTRICAL SERVICES FOR THE PROJECT INCLUDING TELEPHONE AND ELECTRICAL SERVICE.
7. CONTRACTOR SHALL VERIFY ALL ELECTRICAL REQUIREMENTS FOR THE FOLLOWING EQUIPMENT WITH THE ASSOCIATED VENDOR AND/OR CONTRACTOR AND THE AUTHORITY HAVING JURISIDICTION (AHJ) PRIOR TO ORDERING EQUIPMENT AND ROUGH-IN:
   A. MONUMENT SIGN

PERMITS
OBTAIN AND PAY FOR ALL LICENSES, PERMITS AND INSPECTIONS FOR ALL WORK COVERED BY THIS CONTRACT. ALL CERTIFICATES OF INSPECTION SHALL BE DELIVERED TO THE OWNER.

CONSTRUCTION POWER
PROVIDE TEMPORARY POWER AND LIGHTING FOR THE JOB SITE DURING CONSTRUCTION.

ELECTRIC UTILITY COMPANY
1. COORDINATE WITH THE ELECTRIC UTILITY COMPANY FOR THE FURNISHING OF ELECTRICAL SERVICE TO THE BUILDING.
2. PROVIDE ALL REQUIRED PADS, POSTS, CONDUIT, GROUNDING, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL UTILITY SERVICE.
3. ALL EQUIPMENT SHALL BE SIZED TO MEET OR EXCEED THE AVAILABLE SHORT CIRCUIT CURRENT. VERIFY WITH UTILITY COMPANY. FOR BASE BID, ALL DISTRIBUTION EQUIPMENT SHALL BE RATED AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL VERIFY THIS VALUE WITH UTILITY COMPANY PRIOR TO ORDERING EQUIPMENT.
4. VERIFY VOLTAGE AVAILABILITY AND SERVICE ENTRANCE CONFIGURATION WITH UTILITY COMPANY PRIOR TO ORDERING EQUIPMENT.

ELECTRICAL TIE-INS
COORDINATE WITH THE BUILDING OWNER FOR THE FURNISHING OF ELECTRICAL POWER FOR THE PROJECT

CONDUIT
1. ALL ELECTRICAL WORK SHALL BE INSTALLED IN A METAL CONDUIT SYSTEM, INCLUDING LOW VOLTAGE WIRING.
2. SERVICE ENTRANCE CONDUIT, EXTERIOR CONDUIT AND CONDUIT EXPOSED TO WEATHER AND SHALL BE RIGID GALVANIZED STEEL.
3. CONDUIT IN WET LOCATIONS SHALL BE RIGID GALVANIZED STEEL
4. UNDERGROUND FEEDER AND UNDERGROUND BRANCH CONDUITS SHALL BE RIGID GALVANIZED STEEL OR SCHEDULE 40 PVC AS PERMITTED BY CODE. RIGID GALVANIZED STEEL CONDUIT SHALL BE USED FOR MAKING FINAL TURNS OUT OF EQUIPMENT PADS AND FINISHED FLOOR. EXTERIOR UNDERGROUND CONDUITS SHALL BE INSTALLED 36" BELOW GRADE. CONDUIT BELOW CONCRETE FLOOR SLAB SHALL BE A MINIMUM OF 6" BELOW BOTTOM OF SLAB.
5. ALL CONDUIT IN DRY LOCATIONS SHALL BE EMT.
6. MINIMUM SIZE CONDUIT ABOVE GRADE SHALL BE 1/2". MINIMUM SIZE CONDUIT BELOW GRADE SHALL BE 3/4".

WIRE (120V AND ABOVE):
1. ALL WIRE SHALL BE COPPER WITH 600V INSULATION. CONDUCTORS SHALL BE STRANDED FOR SIZES NO. 8 AWG AND LARGER, SOLID FOR SIZES NO. 10 AWG AND SMALLER.
2. TYPE THWN SHALL BE USED INDOORS NOT INCLUDING SERVICES.
3. TYPE XHHW SHALL BE USED BELOW SLABS, SERVICE ENTRANCES AND EXTERIOR UNDERGROUND WORK, INCLUDING SITE LIGHTING.
4. MINIMUM SIZE SHALL BE #12. RUNS OVER 75' SHALL BE MINIMUM #10 UNLESS NOTED OTHERWISE.

SPLICES AND TERMINATIONS
1. ALL SPLICES AND PIGTAIL CONNECTIONS FOR INDOOR AND DRY LOCATIONS FOR CABLE SIZES NUMBER 10 AWG AND SMALLER SHALL BE MADE UP WITH PREINSULATED SPRING CONNECTORS, 3M COMPANY "SCOTCHLOCK," IDEAL INDUSTRIES, INC., WIRENUTS, OR APPROVED EQUAL. SPLICES FOR CABLE SIZES NUMBER 8 AWG AND LARGER SHALL BE BUTT SPLICE TYPE CONSISTING OF LONG BARREL COPPER ONLY TYPE COMPRESSION CONNECTOR. SPLICE SHALL BE COVERED WITH EITHER A COLD SHRINK CONNECTOR INSULATOR OR HEAT SHRINK CONNECTOR INSULATOR.
2. ALL SPLICES OUTDOORS, ABOVE GRADE, SUCH AS IN LIGHT POLES, SHALL BE A WATERPROOF TWIST CONNECTOR. IDEAL WEATHERPROOF OR EQUAL.
3. ALL SPLICES OUTDOORS BELOW GRADE, SUCH AS IN UNDERGROUND PULL BOXES, SHALL BE MADE USING MOISTURE RESISTANT GEL ENCAPSULATED SPLICE KIT. ACCEPTABLE MANUFACTURERS SHALL BE NSI EASY SPLICE GEL TAP SPLICE OR RAYCHEM GTAP OR GHFC. WATERPROOF WIRE NUT CONNECTORS ARE NOT ACCEPTABLE.

BRANCH WIRING:
1. CONDUITS AND BOXES SHALL BE CONCEALED WHEREVER POSSIBLE.
2. CONNECT EQUIPMENT AND DEVICES TO THE CIRCUITS AND SWITCH LEGS SHOWN.
3. ARCS SHOWN ON DRAWINGS REPRESENT SWITCH ARRANGEMENT ONLY, AND ARE NOT INTENDED TO SHOW CONDUIT ROUTINGS.
4. EACH CIRCUIT SHALL HAVE AN INDEPENDENT NEUTRAL.
5. AMPACITIES OF CONDUCTORS WHEN MORE THAN THREE (3) CURRENT -CARRYING CONDUCTORS ARE PLACED IN A RACEWAY SHALL BE DERATED PER CODE.
6. WHERE WIRE SIZES MUST BE INCREASED TO LIMIT VOLTAGE DROP, CONTRACTOR SHALL COORDINATE TERMINAL SIZES AT TERMINATIONS.

WIRING DEVICES:
1. WIRING DEVICES SHALL BE 20 AMPERE, UL/FED SPEC LISTED, BACK AND SIDE WIRED, WITH COLOR AS SELECTED AND APPROVED BY THE ARCHITECT.
2. PROVIDE COMMON COVER PLATE FOR GANGED DEVICES. COVERS FOR SURFACE MOUNTED BOXES SHALL BE APPROPRIATE FOR THE BOX TYPE.
3. FOR RECEPTACLES IN EXTERIOR LOCATIONS, PROVIDE CAST ALUMINUM WHILE-IN-USE WEATHERPROOF COVERS, HUBBELL #WP26E.
4. VERIFY ALL MOUNTING HEIGHTS WITH ARCHITECT & LATEST ADA REQUIREMENTS PRIOR TO INSTALLATION.
5. CONDUCTORS SHALL BE ATTACHED TO DEVICES BY MEANS OF SCREW TERMINALS OR SCREW CLAMPS.
6. WIRING DEVICES SHALL BE HUBBELL OR PASS & SEYMOUR CONSTRUCTION SERIES.

LIGHTING FIXTURES:
1. FURNISH FIXTURES AND LAMPS AS SPECIFIED IN THE FIXTURE SCHEDULE.
2. PROVIDE ADEQUATE SUPPORT FOR ALL FIXTURES.

TIMER A:
1. TIMER SHALL BE ELECTRONIC ASTRONOMIC, FULL YEAR, WITH NUMBER OF CHANNELS AND VOLTAGE RATINGS AS INDICATED ON THE DRAWINGS.
2. TIMER SHALL BE ENCLOSED IN A LOCKABLE NEMA 1 ENCLOSURE FOR INDOOR APPLICATIONS AND NEMA 3R ENCLOSURE FOR OUTDOOR APPLICATIONS.
3. TIMER SHALL BE INTERMATIC ET8000 SERIES.

METER FITTING:
1. SHALL BE RATED AS SHOWN ON THE DRAWINGS.
2. ENCLOSURE SHALL BE NEMA TYPE 3R FOR OUTDOOR USE. FURNISH AND INSTALL IN ACCORDANCE WITH UTILTIY COMPANY REQUIREMENTS.

DISCONNECT SWITCHES:
1. DISCONNECT SWITCHES SHALL BE UL LISTED, HEAVY DUTY, HORSEPOWER RATED, FUSIBLE OR NON_FUSIBLE AS INDICATED ON THE DRAWINGS.
2. DISCONNECT SWITCHES SHALL BE RATED AT 600 VOLTS FOR 480 VOLTS AC CIRCUITS AND 240 VOLTS AC FOR 208 VOLTS AC AND 120 VOLTS AC CIRCUITS.
3. DISCONNECT SWITCHES SHALL HAVE A SHORT-CIRCUIT RATING OF 100,000 AMPERES RMS.
4. DISCONNECT SWITCHES SHALL HAVE THE PROPER NEMA RATING FOR THE AREA IN WHICH THEY ARE INSTALLED.
5. EACH DISCONNECT SWITCH SHALL HAVE AN EXTERNAL HANDLE THAT CAN BE PADLOCKABLE IN THE "OFF" POSITION. THE HANDLE OPERATION SHALL BE NON_TEASIBLE, QUICK MAKE_QUICK BREAK.
6. ALL CURRENT CARRYING PARTS SHALL BE COPPER. LUGS SHALL BE UL LISTED, MECHANICAL WITH SADDLES, CAST COPPER.
7. MANUFACTURED BY GE "TH" SERIES, SQUARE D "H" SERIES, OR SIEMENS "VB-2" SERIES.

PANELBOARDS:
1. ALL BUSSES SHALL BE COPPER.
2. BRANCH BREAKERS SHALL BE PLUG-IN TYPE, OR BOLT-ON IF REQUIRED BY LOCAL CODES.
3. PANELBOARDS SHALL BE SERVICE ENTRANCE RATED WHERE REQUIRED.
4. PROVIDE NAMEPLATE FOR PANEL AND TYPEWRITTEN DIRECTORY FOR EACH PANELBOARD.
5. PANELBOARDS SHALL BE MANUFACTURED BY, EATON, SIEMENS, OR SQUARE D. LOAD CENTERS ARE NOT ACCEPTABLE.

SPD (SERVICE):
1. SPD SHALL BE RATED 100KA PER MODE (7 MODES), 200KA PER PHASE, 200KA SCCR, AND MOUNTED IN ITS OWN ENCLOSURE.
2. FEATURES SHALL INCLUDE LED INDICATOR LIGHTS FOR POWER AND PROTECTIVE STATUS FOR EACH MODE. SURGE RATED FUSES WITH 200KA INTERRUPTING RATING, INTEGRAL FUSING FOR EACH PHASE AND NEUTRAL. THERMAL PROTECTION FOR EACH SURGE COMPONENT AND IMMEDIATE INDICATION OF A CHANGE IN COMPONENT STATUS, ALARM MONITORING WITH AUDIBLE ALARM, INCLUDING TEST AND SILENCE SWITCH AND FORM "C" ALARM RELAY.
3. SPD SHALL BE CURRENT TECHNOLOGY CGSERIES, GE TYPE HE, HUBBELL HBLXX320, MERSEN XT SERIES.
4. SPD SHALL BE NRTL LISTED TO UL 1449.

GROUNDING:
1. GROUNDING SHALL COMPLY WITH THE REQUIREMENTS OF THE LOCAL INSPECTION AUTHORITY, WITH CONNECTIONS TO BUILDING STEEL, METAL PIPING SYSTEMS AND GROUND ROD.
2. PROVIDE A SEPARATE, INSULATED GROUNDING CONDUCTOR IN EACH FEEDER AND BRANCH CONDUIT, BONDED AT EACH TERMINATION.

CONTROL CABINET:
1. IDOT APPROVED.
2. PANELBOARD SHALL BE 65KAIC SERIES RATED.
3. MAIN C/B AND BRANCH C/B'S AS LISTED.
4. NEUTRAL BUS.
5. GROUND BUS.
6. INCOMING AND OUTGOING TERMINALS, SIZED FOR WIRING SHOWN.
7. SITE LIGHTING SHALL BE CONTROLLED BY TIME CLOCK. SET TIME CLOCK ON/OFF TIMES AS INSTRUCTED BY OWNER. EACH CHANNEL SHALL BE ABLE TO BE SET TO DIFFERENT SCHEDULES. TIME CLOCK SHALL BE BY INTERMATIC ET8000 SERIES.
8. SPACE FOR IRRIGATION CONTROLLER 14.32"W x 12.69"H x 5.50"D.
9. SWITCHED LED LIGHT FIXTURE.
10. SURGE ARRESTOR.
11. POWER WIRING SHALL BE MTW/TEW, 600V.
12. CONTROL WIRING SHALL BE #12 MTW. ALL CONTROL WIRING SHALL BE STRANDED AND MARKED WITH BRADY MARKERS.
13. ONE GFI RECEPTACLES INSIDE CABINET.
14. HOFFMAN #DAH1001A HEATER WITH BUILT-IN THERMOSTAT.
15. ENCLOSURE SHALL BE CONSOLE TYPE NEMA 4X, 14 GAUGE TYPE 304 STAINLESS STEEL. NOMINAL DIMENSIONS: 50"H X 48"W X 18"D. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL. GASKETED DOOR WITH PROVISIONS FOR PADLOCKING. DOORS SHALL BE EQUIPPED WITH THREE-POINT LATCHING. 6" X 11" STAINLESS STEEL NAMEPLATE.
16. MOUNTED ON CONCRETE FOUNDATION.
17. ANCHOR BOLTS SHALL COMPLY WITH ASTM A576. PROVIDE 4 ANCHOR BOLT FOR EACH CONTROLLER.
18. SHALL BE UL LISTED.
19. SHALL BE AS MANUFACTURED BY EXCEL LTD OR LIGHTMATIC LIGHTING CONTROLS

IDENTIFICATION
1 THE CONTRACTOR SHALL LABEL EQUIPMENT WITH ½" DYMO TAPE.
2. ALL MAJOR ELECTRICAL EQUIPMENT SHALL BE IDENTIFIED WHICH SHALL INCLUDE MDP, PANELBOARDS, MOTOR STARTERS, DISCONNECT SWITCHES, SWITCHES, ETC.
3. PROTECTIVE DEVICES IN MDP'S SHALL BE LABELLED WITH THE LOAD SERVED.
4. PROVIDE PANEL AND CIRCUIT NUMBER IDENTIFICATION ON ALL JUNCTION AND PULL BOXES.
5. APPLY THE FACTORY SUPPLIED ARC FLASH WARNING LABELS TO ALL SWITCHBOARDS AND PANELS AS REQUIRED PER NEC 110.16.
6. SERVICE EQUIPMENT SHALL BE LABELED LISTING AVAILABLE FAULT CURRENT.
7. PROVIDE NEW TYPEWRITTEN SCHEDULES FOR PANELBOARDS.

AS-BUILT DRAWINGS:
1. PROVIDE AS-BUILT DRAWINGS

TESTS:
1. UPON COMPLETION OF WORK, TEST EACH SYSTEM TO BE FREE OF GROUNDS AND/OR FAULTS. TEST FOR PROPER OPERATION. IF ANY DEFECTS ARE FOUND, TAKE IMMEDIATE ACTION TO REMEDY.
2. CHECK ALL FIXTURES FOR BURNT OUT OR DAMAGED LAMPS AND REPLACE.

GUARANTEE:
CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT AND WIRING TO BE FREE FROM MECHANICAL AND ELECTRICAL DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE.

SHOP DRAWINGS
SUBMIT SHOP DRAWINGS FOR THE FOLLOWING EQUIPMENT FOR APPROVAL BY THE ENGINEER:
1. METERING
3. PANELBOARDS
4. WIRING DEVICES
5. LIGHT FIXTURES
6. EXTERIOR LIGHTING CONTROLLER
7. SPD
8. CONTROL CABINET

FIXTURE SCHEDULE

ALL FIXTURE FINISHES SHALL BE SELECTED BY OWNER/ ARCHITECT.

TYPE AA
LED SIGN FIXTURE, 120V, 15W LED LAMP, 3000K COLOR TEMP, 1862 LUMENS, CONCRETE BASE SEE DETAIL. COLOR = FINISH AS SELECTED BY OWNER/LANDSCAPE ARCHITECT. SELECTABLE WATTAGE AND LAMP COLOR TEMPERATURE.

KEYSTONE #KT-FLED25PS-CIE-UNV-8CSB-VDIM
FURNISH AND INSTALL ALL ACCESSORIES FOR A COMPLETE INSTALLATION.

ELECTRICAL SYMBOL LIST

SYMBOL	DESCRIPTION
A2	DUPLEX RECEPTACLE OUTLET, 20A, 120V "A" DENOTES PANELBOARD, "2" DENOTES CIRCUIT NUMBER OTHER ABBREVIATIONS: WP = WEATHERPROOF WHILE IN USE TR = TAMPER AND WEATHER RESISTANT
	GFI RECEPTACLE
	NEW PANELBOARD
WP	WEATHERPROOF WHILE IN USE
	GROUNDING ELECTRODE CONDUCTOR TO GROUND ROD
J	JUNCTION BOX SIZE AND TYPE AS REQUIRED BY CODE.
A D1a	LIGHTING FIXTURE "A" DENOTES LIGHT FIXTURE TYPE "D" DENOTES PANELBOARD "1" DENOTES CIRCUIT NUMBER "a" DENOTES SWITCH LEG
GB	GRADE BOX

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ELECTRIC SIGN PROPOSAL AND ADDITION TO OLYMPIC/ARC PUD

750 W. NORTHWEST HIGHWAY
ARLINGTON HEIGHTS, IL 60004

Date: 10-08-2024
License expires, 11-30-2025

MICHAEL C. ZUCCARELLI REGISTERED No. 062-051720 STATE OF ILLINOIS PROFESSIONAL ENGINEER

Michael C Zuccarelli

NOVA ENGINEERING, PC
2338 CLINE AVENUE
SCHERERVILLE, IN 46375
phone: 219-865-3352
fax: 219-865-3464

Issues & Revisions

#	Date	Description
	11-18-24	ISSUED FOR PERMIT
	01-29-25	PLAN COMMISSION REVIEW

Sheet Title

ELECTRICAL SCHEDULES

Date: September 23, 2024

EL-3

KT-FLED25PS-C1E-UNV-8CSB-VDIM

BULLET FLOODLIGHT

DESCRIPTION

LED Bullet Flood Light with Photocell | Power Select 25/20/15W | Color Select 3000/4000/5000K | 120-277V Input | Bronze Housing

APPLICATION

Perfect in both residential and commercial applications, such as landscape, facade, accent, and flagpole lighting

10 YEAR LIMITED WARRANTY

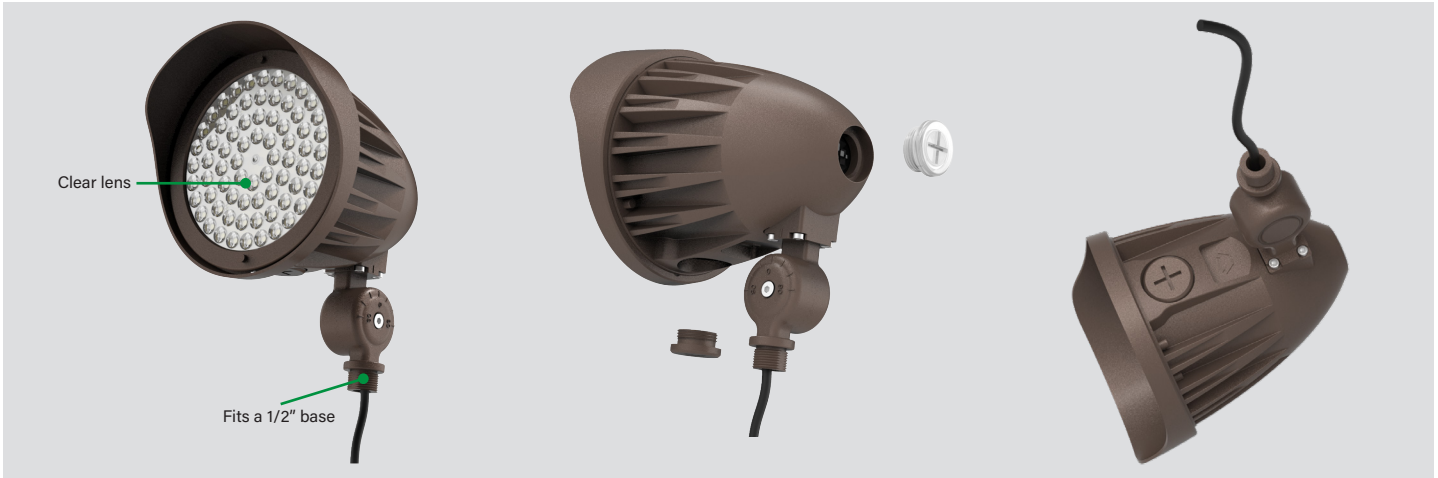
PRODUCT FEATURES

- Keystone Power Select technology (25/20/15W)
- Keystone Color Select technology (3000/4000/5000K)
- Sturdy, die cast aluminum housing in a sleek, modern design
- NEMA 4H x 4V optics pre installed, with optional NEMA 3H x 3V optics included in box
- IP65 design includes twist on/off lens cap for easy field changeable optics (see instructions for details)
- UL and DLC 5.1 listed
- L70 > 50,000 hours @ 45˚C/113˚F
- Ambient operating temperature:40°C/-40°F to 45°C/113°F

PRODUCT SPECIFICATIONS

Catalog Number	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Input Voltage	CRI	Housing Color	Rated Life
KT-FLED25PS-C1E-UNV-8CSB-VDIM	25W	3000K	2971	119 lm/W	120-277V	80	Bronze	50,000 hrs
		4000K	3292	132 lm/W				
		5000K	3273	131 lm/W				
	20W	3000K	2398	120 lm/W				
		4000K	2609	130 lm/W				
		5000K	2580	129 lm/W				
	15W	3000K	1862	124 lm/W				
		4000K	1998	133 lm/W				
		5000K	1986	132 lm/W				

IMAGES

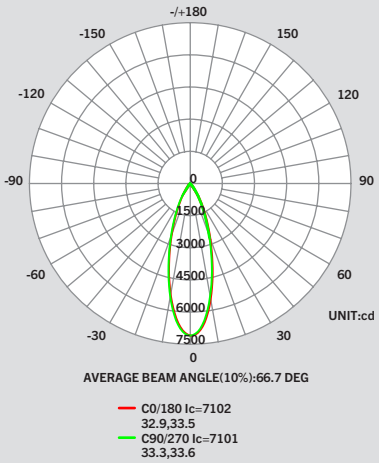


KT-FLED25PS-C1E-UNV-8CSB-VDIM

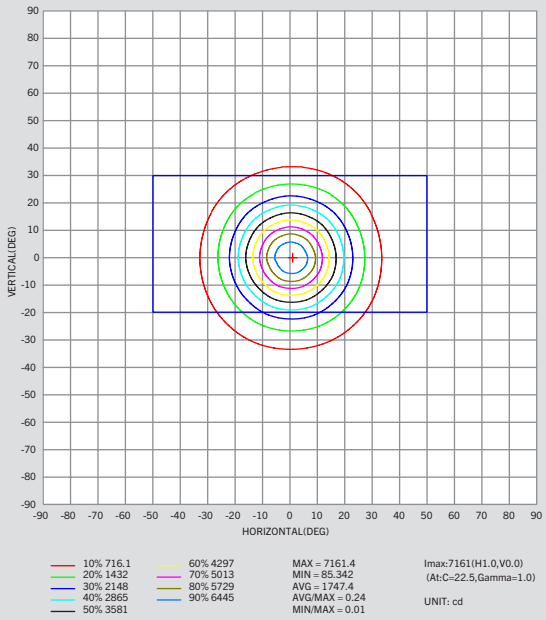
BULLET FLOODLIGHT

PHOTOMETRICS FOR 4H X 4V LENS AT 25W

Intensity Distribution Diagram



Isocandela Diagram



FLUX DISTRIBUTION

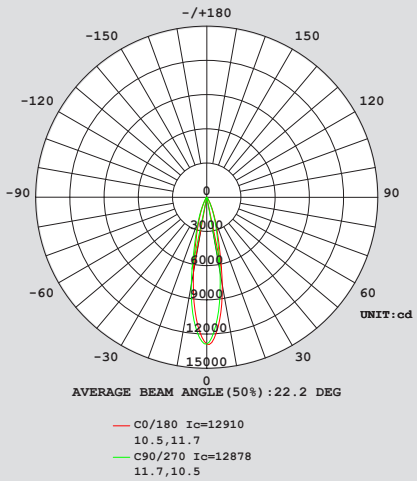
Zone	Lumens	% Luminaire
Forward Light	1,638 lm	50.0%
0°–30°	1,241 lm	37.9%
30°–60°	331.76 lm	10.1%
60°–80°	39.975 lm	1.2%
80°–90°	2.9898 lm	0.1%
Back Light	1,635.1 lm	50.0%
0°–30°	1,234 lm	37.7%
30°–60°	323.16 lm	9.9%
60°–80°	50.183 lm	1.5%
80°–90°	4.3756 lm	0.1%
Up Light	45.556 lm	1.4%
90°–100°	1.1682 lm	0.0%
100°–180°	44.388 lm	1.4%

BUG* Rating	
Asymmetrical Luminare Types	
Type I, II, III, IV	B2 U0 G2
Quadrilateral Symmetrical Luminare Types	
Type V, Area Light	B2 U0 G2

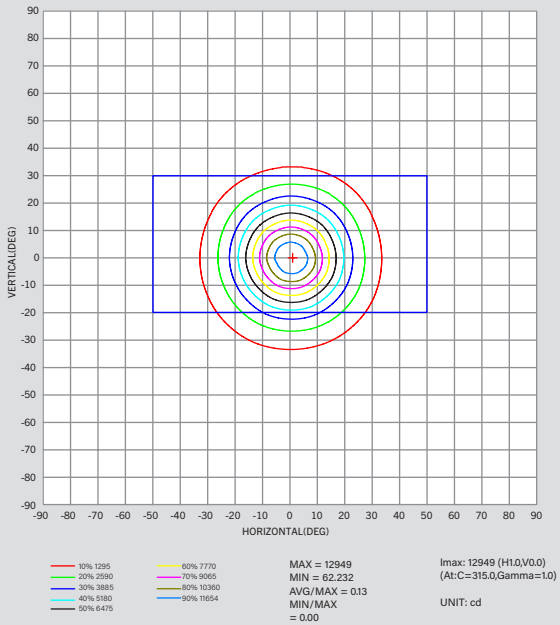
* Backlight, Uplight, Glare

PHOTOMETRICS FOR 3H X 3V LENS AT 25W

Intensity Distribution Diagram



Isocandela Diagram



FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	1438.4 lm	48.6%
0°–30°	1,253.6 lm	42.3%
30°–60°	151 lm	5.1%
60°–80°	24.587 lm	0.8%
80°–90°	1.2585 lm	0.0%
Back Light	1522.1 lm	51.4%
0°–30°	1,295 lm	43.7%
30°–60°	155.25 lm	5.2%
60°–80°	55.221 lm	1.9%
80°–90°	8.1574 lm	0.3%
Up Light	16.332 lm	0.6%
90°–100°	0.38046 lm	0.0%
100°–180°	15.952 lm	0.5%

BUG* Rating	
Asymmetrical Luminare Types	
Type I, II, III, IV	B3-U2-G0
Quadrilateral Symmetrical Luminare Types	
Type V, Area Light	B3-U2-G0

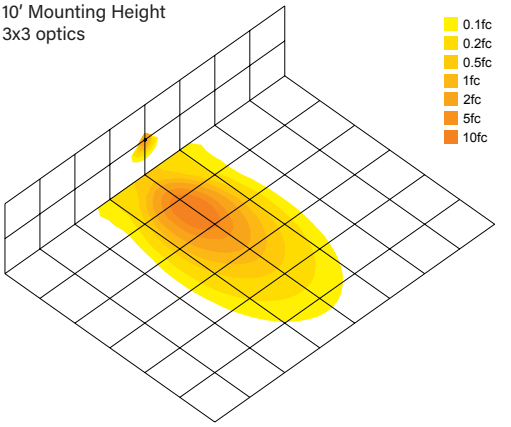
* Backlight, Uplight, Glare

KT-FLED25PS-C1E-UNV-8CSB-VDIM

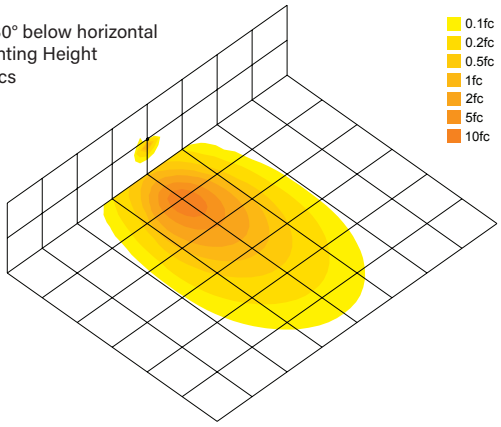
BULLET FLOODLIGHT

LIGHT DISTRIBUTION PATTERN

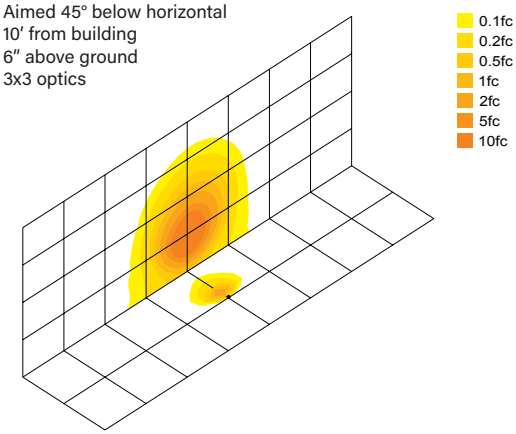
Aimed 30° below horizontal
10′ Mounting Height
3x3 optics



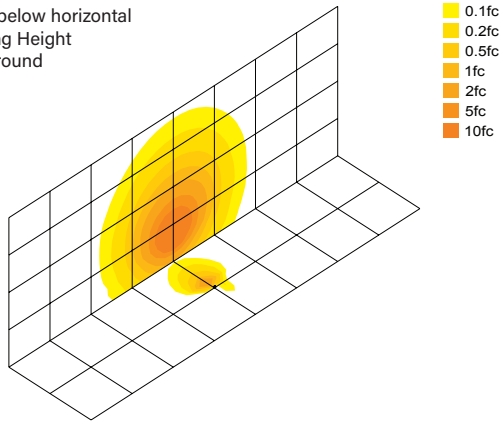
Aimed 30° below horizontal
10′ Mounting Height
4x4 optics



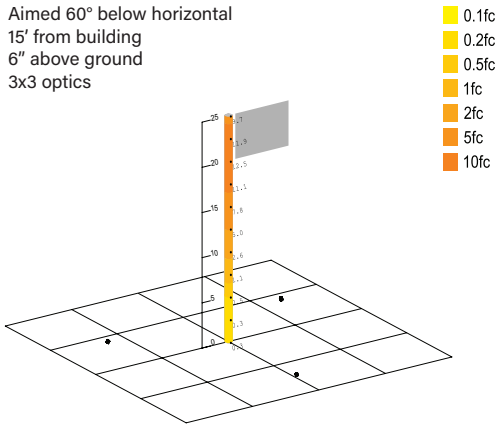
Aimed 45° below horizontal
10′ from building
6″ above ground
3x3 optics



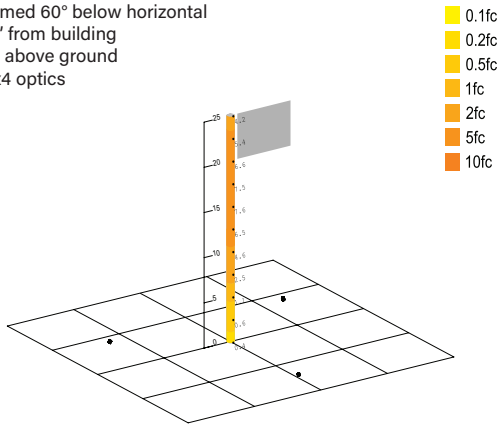
Aimed 45° below horizontal
10′ Mounting Height
6″ above ground
4x4 optics



Aimed 60° below horizontal
15′ from building
6″ above ground
3x3 optics



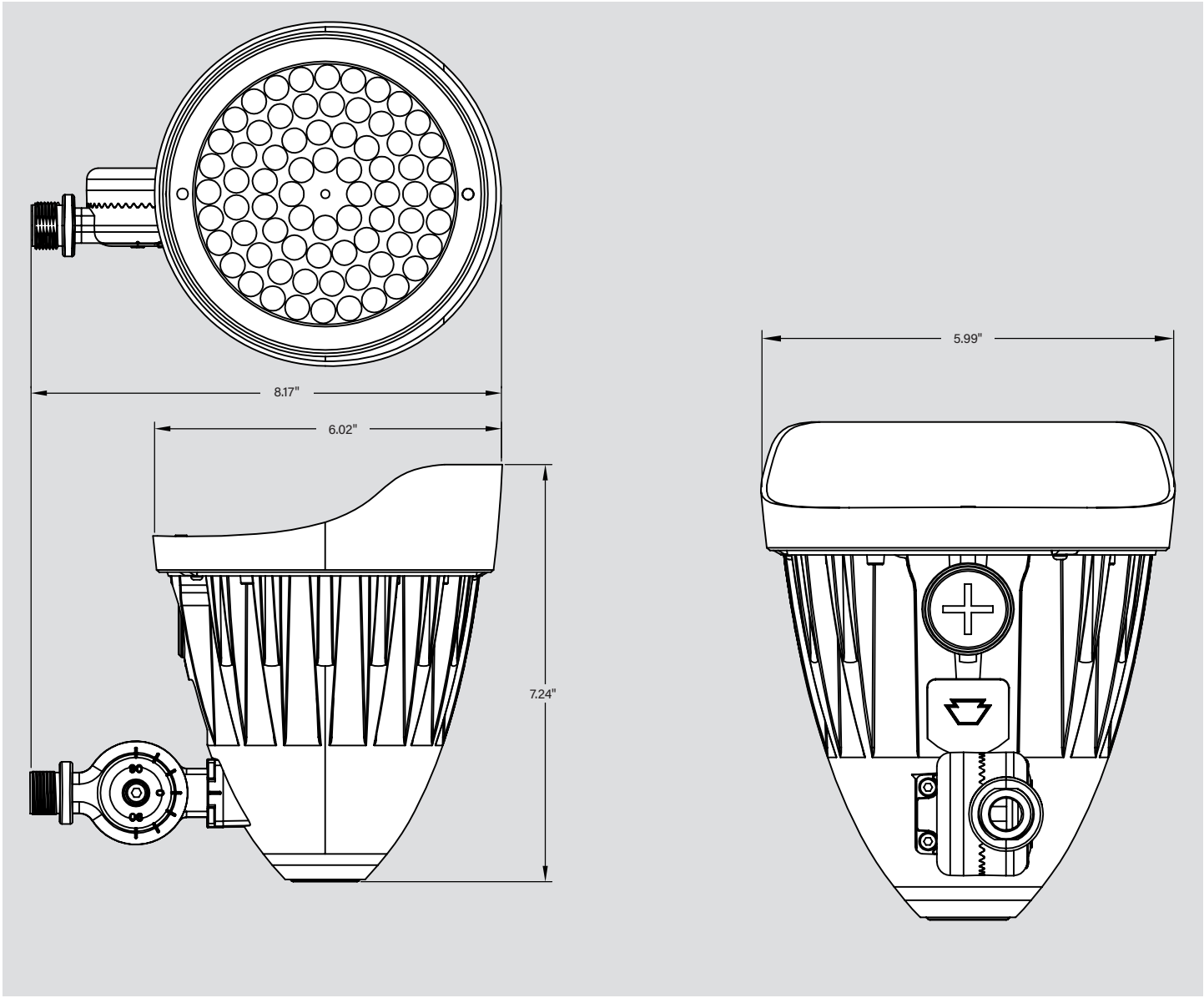
Aimed 60° below horizontal
15′ from building
6″ above ground
4x4 optics



KT-FLED25PS-C1E-UNV-8CSB-VDIM

BULLET FLOODLIGHT

PHYSICAL SPECIFICATIONS

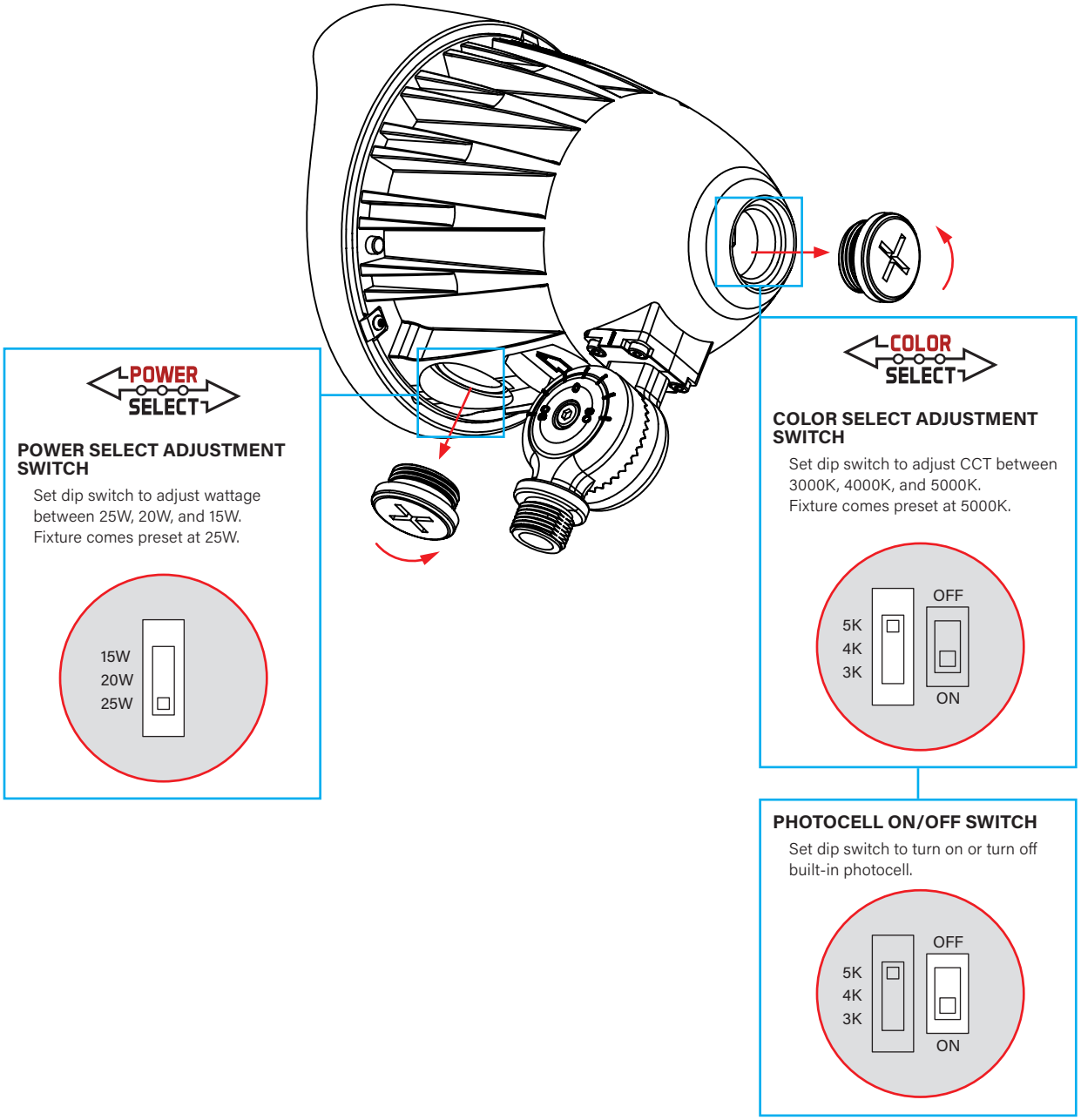


KT-FLED25PS-C1E-UNV-8CSB-VDIM
BULLET FLOODLIGHT

POWER SELECT (WATTAGE) AND COLOR SELECT (CCT) ADJUSTMENT

This fixture is equipped with field-adjustable Keystone Power Select and Color Select technology.

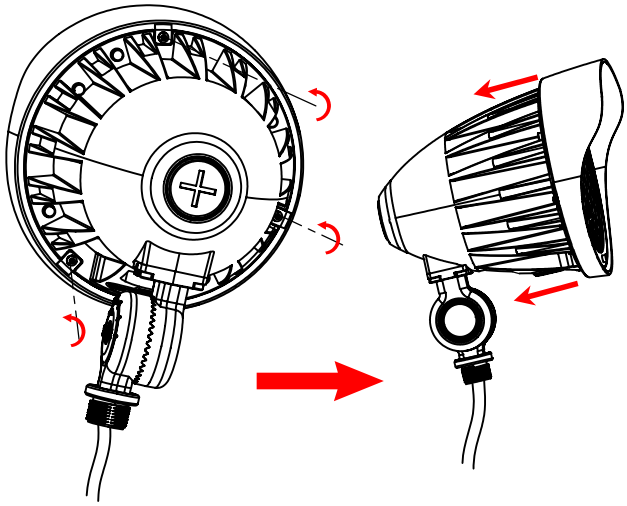
1. Ensure power is off to the fixture.
2. Remove knockouts.
3. Adjust dip switches to desired settings.
4. Replace knockouts.
5. Restore power to fixture.



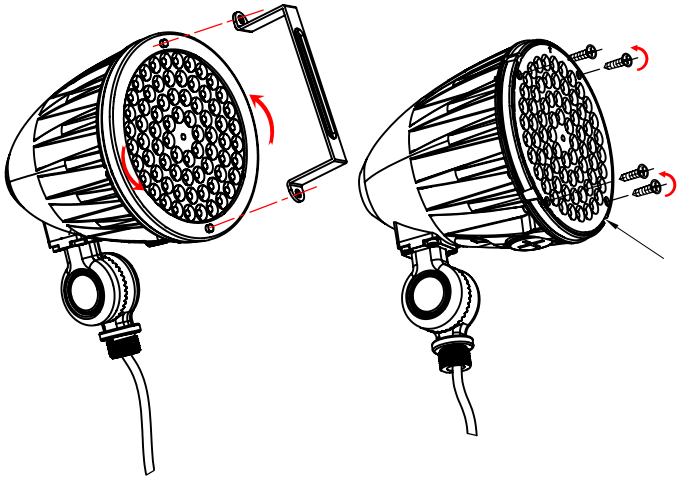
KT-FLED25PS-C1E-UNV-8CSB-VDIM
BULLET FLOODLIGHT

LENS REPLACEMENT INSTRUCTIONS
Note: *Lens must be changed before installation*

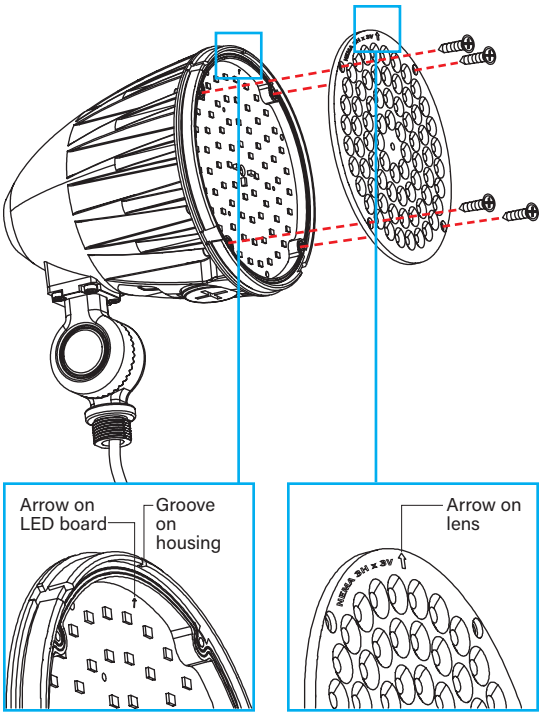
1. Take out the 3 reflector screws, and remove reflector from the housing.



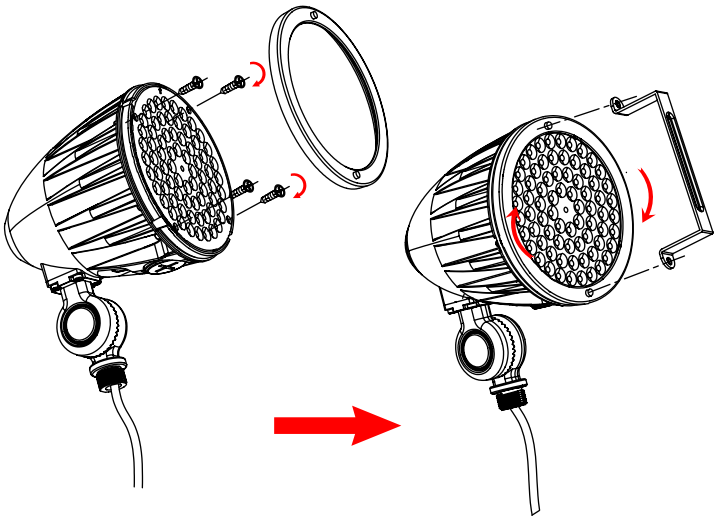
2. Remove the twist on/twist off cap using the wrench tool (provided).



3. Remove screws from the lens and install the NEMA 3H × 3V replacement lens (provided) on the fixture, aligning arrow on lens with arrow on LED board and groove on housing.

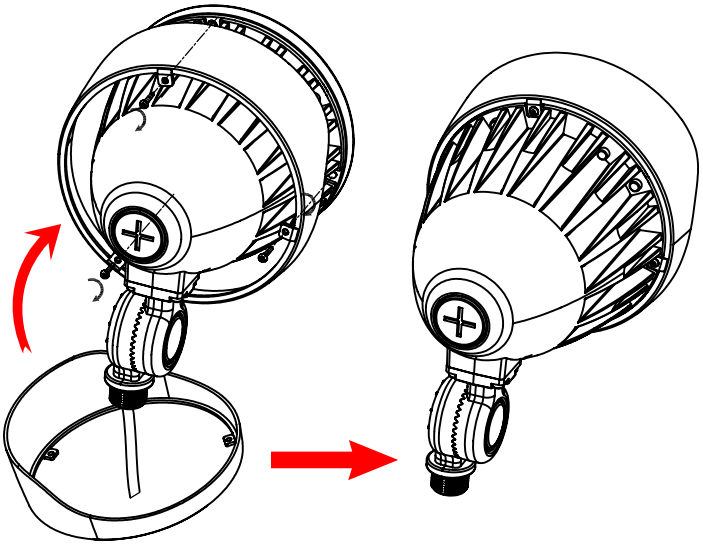


4. Insert and tighten the 4 screws from the lens, twist on the cap, then lock the cap in place with the wrench tool (provided).



KT-FLED25PS-C1E-UNV-8CSB-VDIM
BULLET FLOODLIGHT

5. Feed the reflector through the back side of the fixture, and tighten the 3 reflector screws.



ORDERING INFORMATION

ORDER CODE	UPC	EASY CODE	DLC PRODUCT ID
KT-FLED25PS-C1E-UNV-8CSB-VDIM	843654141886	HYH-58	S-NW8ZP1

CATALOG NUMBER BREAKDOWN

KT-FLED25PS-C1E-UNV-8CSB-VDIM

1	2	3	4	5	6	7	8	9	10	11	12

1 **Keystone Technologies**
2 **Floodlight LED**
3 **Max Wattage**
4 **Power Select**
5 **Circular**
6 **Series 1**
7 **4H x 4V Distribution**
8 **Universal Voltage**
9 **80 CRI**
10 **Color Select**
11 **Color Select Designation**
12 **0-10V Dimming**

11 Color Select Designation

B	3000/4000/5000K

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lumens	LLF	Description
○	4	KT-FLED25PS-C1E-UNV-8CSB-VDIM	Single	3273	0.900	Set at 25W Bullet Flood Light

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Workplane Height
Face of the Sign	Illuminance	Fc	4.60	10	1	4.60	10.00	4.5 to 7.94

Luminaire Location Summary						
		Insertion Point				
LumNo	Label	X	Y	Mounting Height	Orient	Tilt
1	KT-FLED25PS-C1E-UNV-8CSB-VDIM	14.51	11.37	2.25	90	135
2	KT-FLED25PS-C1E-UNV-8CSB-VDIM	29.01	11.37	2.25	90	135
3	KT-FLED25PS-C1E-UNV-8CSB-VDIM	14.51	19.13	2.25	270	135
4	KT-FLED25PS-C1E-UNV-8CSB-VDIM	29.01	19.13	2.25	270	135

Fixture are 2.75' away from the Columns

Project: AHPD Sign
KT-FLED25
Tilt 135 Degrees

Keystone Technologies Lighting Layout
2750 Morris Road
Lansdale, PA 19446
Phone 1-800-464-2680
Email: LightingLayouts@keystonetech.com

KEYSTONE
LIGHT MADE EASY®

Date:12/23/2024

Thank you for allowing Keystone Technologies the opportunity to create and provide this Lighting Layout report.

Illumination results shown on this lighting design are based on project parametrics provided to Keystone used in conjunction with luminaire photometric testing conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results, such as (but not limited to) windows, furnishings, floor/ceiling/wall surface texture reflectivity, site cleanliness, and lighting component tolerances. Illumination results shown have not been field verified by Keystone and therefore the actual measured results may vary from actual field conditions.

The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting, or energy code. In no event will Keystone Technologies be held responsible for any loss resulting from any use of this lighting design.

EX LEGACY PARK/ARC
PUD TO REMAIN- LAND
ZONED P-L

ADDITION TO PUD-
750 W.
NORTHWEST HWY
LAND- ZONE TO P-L

MASTER PLAN PUD EXHIBIT

AHPD ELECTRIC SIGN PROPOSAL - PUD
ADDITIONS TO LEGACY/ARC PUD

Date: February 25, 2025

Scale: 1" = 60'

0 30 60 120 180

North

Arlington Heights Park District

410 North Arlington Heights Road 847-577-3000

Certified Letter Mailing List of Residents to Receive Letter
AHPD Electronic Sign - VAH Design Commission
December 10, 2024

	PIN	Description	CC Property Tax Portal Mailing Address	CC Cookviewer Mailing Address		
1	03-30-500-002-0000	Railroad	No Documents found	317 Northwest Hwy.	Arlington Hts.	60005
2	03-30-233-014-0000	NW Car Wash	900 Arlington Heights LLC	900 W. Euclid	Arlington Hts.	60005
3	03-30-411-018-0000	Post Office	No Mailing Address- just property address- same as Cookviewer	835 W. Davis St.	Arlington Hts.	60005
4	03-30-401-007-0000	Body Shop	MPS Realty Group, LLC	407 N. Salem Ave.	Arlington Hts.	60005
5	03-30-402-003-0000	Bid Angies	John Fridono	1608 Guthrie Circle	Inverness, IL	60010
6	03-30-402-012-0000	BMO Bank	Incomplete address ORA Fuel LLC, 5414 Lambeth Rd. No city, state or Zip	630 W. Northwest Hwy.	Arlington Hts.	60005
7	03-30-227-024-0000	Commercial 1	Argo Real Estate Invest	804 W. Northwest Hwy	Arlington Hts.	60004
8	03-30-227-022-0000	Commercial 2	Northwest Hwy LLC	107 W. Hawthorne	Arlington Hts.	60004
9	03-30-227-032-0000	Commercial 3	Oikos 1 LLC	818 W. Northwest Hwy.	Arlington Hts.	60004
10	03-30-227-030-0000	Single Family 1	Steven Whiteside	628 N. Salem Ave.	Arlington Hts.	60004
11	03-30-227-029-0000	Single Family 2	Michael B. O'Malley	630 N. Salem Ave.	Arlington Hts.	60004

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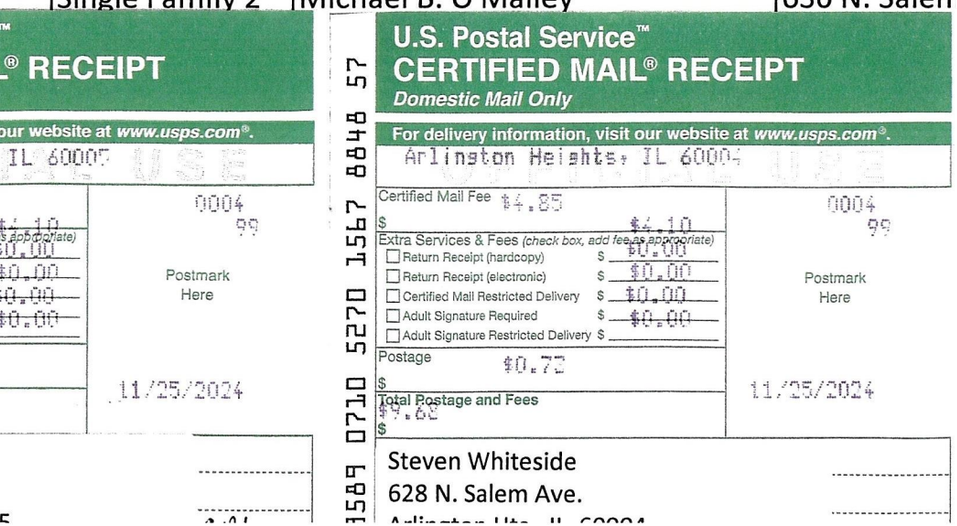
Return Receipt (electronic) $0.00
Certified Mail Restricted Delivery $0.00
Adult Signature Required $0.00
Adult Signature Restricted Delivery $
Postage $0.72
Total Postage and Fees $9.68
0004 99
Postmark Here
11/25/2024
9589 0710 5270 0974 4444 18
Rail Road Property
317 Northwest Hwy.
Arlington Hts. IL 60005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Steven Whiteside
628 N. Salem Ave.
Arlington Hts. IL 60004

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Adult Signature Restricted Delivery $
Postage $0.72
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0004 99
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11/25/2024
9589 0710 5270 0975 3875 54
900 Arlington Heights LLC
900 W. Euclid Ave.

9589 0710 5270 0975 3875 61

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☐ Adult Signature Required $0.00	
☐ Adult Signature Restricted Delivery $	
Postage $0.72	
Total Postage and Fees $9.68	11/25/2024

Arlington Hts. Post Office
835 W. Davis St.
Arlington Hts., IL 60005

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 0975 3875 78

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☐ Return Receipt (electronic) $0.00	Postmark Here
☐ Certified Mail Restricted Delivery $0.00	
☐ Adult Signature Required $0.00	
☐ Adult Signature Restricted Delivery $	
Postage $0.72	
Total Postage and Fees $9.68	11/25/2024

MPS Realty Group, LLC
407 N. Salem Ave.
Arlington Hts., IL 60005

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Extra Services & Fees (check box, add fee as appropriate) $4.10	
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☐ Adult Signature Restricted Delivery $	
Postage $0.72	
Total Postage and Fees $9.68	11/25/2024

John Fridono
1608 Guthrie Circle
Inverness, IL 60010

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 0975 3875 47

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☐ Adult Signature Restricted Delivery $	
Postage $0.72	
Total Postage and Fees $9.68	11/25/2024

BMO Bank
630 W. Northwest Hwy.
Arlington Hts., IL 60005

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1567 8848 26

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☐ Adult Signature Restricted Delivery $	
Postage $0.72	
Total Postage and Fees $9.68	11/25/2024

Argo Real Estate Investments
804 W. Northwest Hwy.
Arlington Hts., IL 60004

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☐ Adult Signature Required $0.00	
☐ Adult Signature Restricted Delivery $	
Postage $0.72	
Total Postage and Fees $9.68	11/25/2024

Northwest Hwy. LLC
107 W. Hawthorne
Arlington, Hts. 60004

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☐ Certified Mail Restricted Delivery $0.00	
☐ Adult Signature Required $0.00	
☐ Adult Signature Restricted Delivery $	
Postage $0.72	
Total Postage and Fees $9.68	11/25/2024

Oikos 1 LLC
818 w. Northwest Hwy.
Arlington Hts., IL 60004

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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☐ Adult Signature Restricted Delivery $	
Postage $0.72	
Total Postage and Fees $9.68	11/25/2024

Michael B. O'Malley
630 N. Salem Ave.
Arlington Hts., IL 60004

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

Vanderstappen
Land Surveying, Inc.
www.vandersinc.com
1316 N. Madison St.
Woodstock, Illinois 60098
ph. 815-337-8310 fax 815-337-8314
"Always faithful to the property line"

PLAT OF EASEMENT

LEGAL DESCRIPTION OF EASEMENT:
A Sidewalk Easement of that part of Lots 16, 17, 18 and 19 in Block 18 in R.A. Cepek's Arlington Ridge Subdivision, being a Subdivision of part of the West Half (except the East 33 feet thereof) of the Northeast Quarter of the South Half of the Northwest Quarter of Section 30, Township 42 North, Range 11 East of the Third Principal Meridian, according to the plat there of recorded September 2, 1925, as Document Number 270771, described as follows: Beginning at the Southeast corner of said Lot 16; thence North 00 degrees 00 minutes 00 seconds West along the South line of said Lots 16 and 17, a distance of 50.00 feet; thence North 59 degrees 12 minutes 21 seconds West along the South line of Lots 18 and 19, a distance of 73.64 feet to the Southwest corner of said Lot 19; thence North 00 degrees 11 minutes 08 seconds West along the West line of said Lot 19, a distance of 7.00 feet; thence South 59 degrees 12 minutes 21 seconds East along a line parallel line with the South line of Lots 18 and 19, a distance of 62.89 feet; thence North 90 degrees 00 minutes 00 seconds East along a line parallel with said Lots 16 and 17, a distance of 59.25 feet to the East line of said Lot 16; thence South 00 degrees 00 minutes 00 seconds East along the said East line of Lot 16, a distance of 12.50 feet to the Place of Beginning, in Cook County, Illinois.

20' 0' 20' 40'
SCALE: 1" = 20'

CLIENT: ARLINGTON HEIGHTS PARK DISTRICT
DRAWN BY: PJD CHECKED BY: APG
SCALE: 1"=20' SEC. 30 T. 42 R. 11 E.
BASIS OF BEARING: IL EAST ZONE NAD83 (2011)
P.I.N.: 03-30-228-019, 020, 021
JOB NO.: 241104 I.D. PEA
FIELDWORK COMP.: N/A BK. ___ PG. ___
ALL DISTANCES SHOWN IN FEET AND DECIMAL PARTS THEREOF CORRECTED TO 68° F. REF: ___

STATE OF ILLINOIS)
) S.S.
COUNTY OF McHENRY)

I hereby state that we have platted the premises above described, and that the plat hereon is a true representation of the said description.

This is not a Boundary Survey

Dated at Woodstock, McHenry County, Illinois 01/06 A.D., 20 25.

Vanderstappen Land Surveying, Inc..
Design Firm No. 184-002792

ARTHUR P. GRITMACHER
035-003857
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
EXP. 11/30/2026
WOODSTOCK, ILLINOIS

By: _____
Illinois Professional Land Surveyor No. 3857

VANDERSTAPPEN LAND SURVEYING, INC.
JANUARY 6, 2025

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project
AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

750 W. NW HWY LAND ADDITION, TO BE AMENDED FOR THE PLANNED UNIT DEVELOPMENT OF ARC PUD

Issues & Revisions

#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION

North

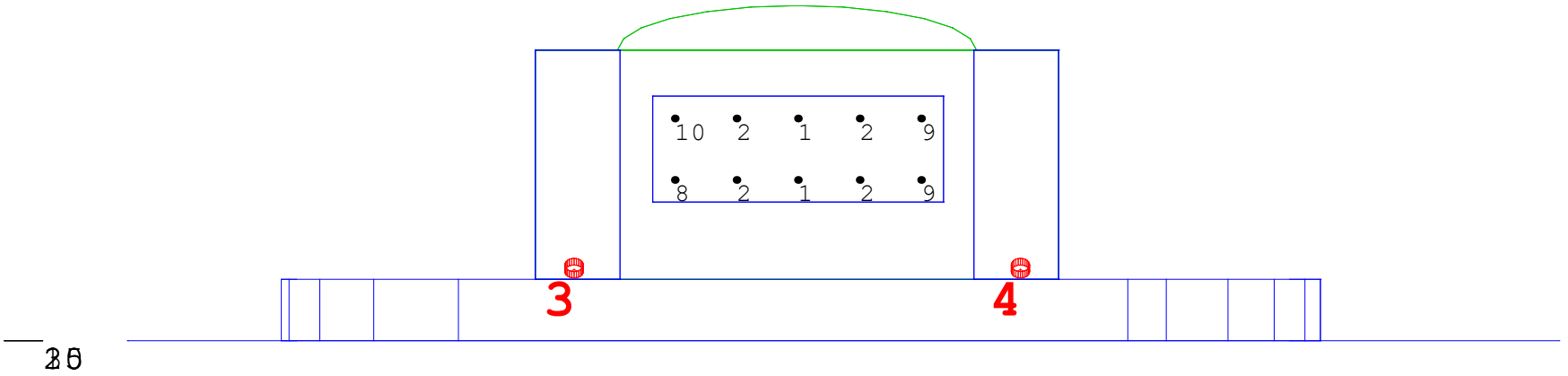
Scale: 1" = 20'

0 10 20 40 60

Sheet Title
750 W. NORTHWEST HWY - GRANT OF EASEMENT

Date: February 26, 2025

EX-3



View of point by point

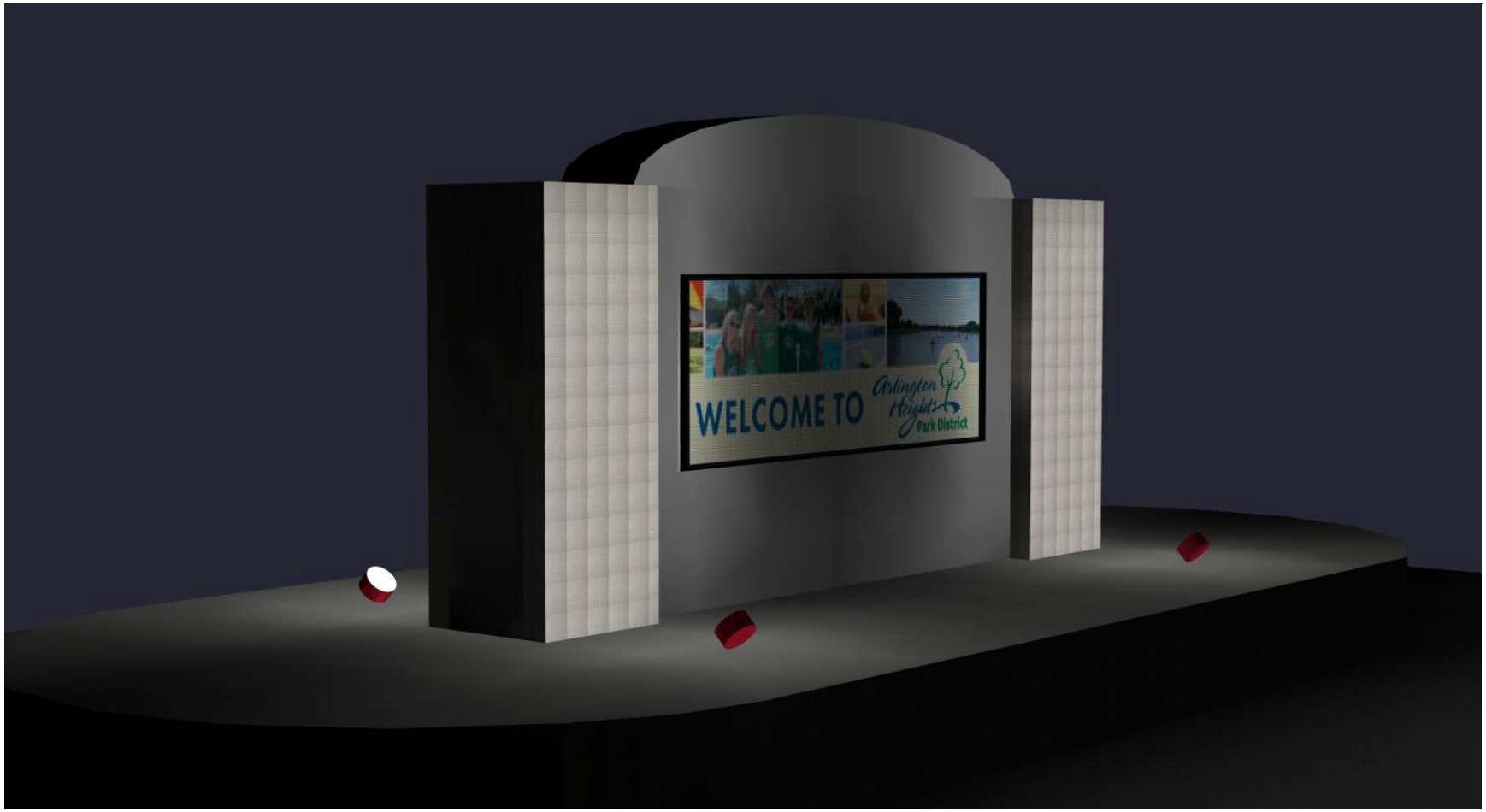
Project: AHPD Sign KT-FLED25 Tilt 135 Degrees	Keystone Technologies Lighting Layout 2750 Morris Road Lansdale, PA 19446 Phone 1-800-464-2680 Email: LightingLayouts@keystonetech.com

KEYSTONE
LIGHT MADE EASY®

Date:12/23/2024

Project: AHPD Sign KT-FLED25 Tilt 135 Degrees	Keystone Technologies Lighting Layout 2750 Morris Road Lansdale, PA 19446 Phone 1-800-464-2680 Email: LightingLayouts@keystonetech.com

SINCE 1945
KEYSTONE
LIGHT MADE EASY™



Project: AHPD Sign KT-FLED25 Tilt 135 Degrees	Keystone Technologies Lighting Layout 2750 Morris Road Lansdale, PA 19446 Phone 1-800-464-2680 Email: LightingLayouts@keystonetech.com

SINCE 1945
KEYSTONE
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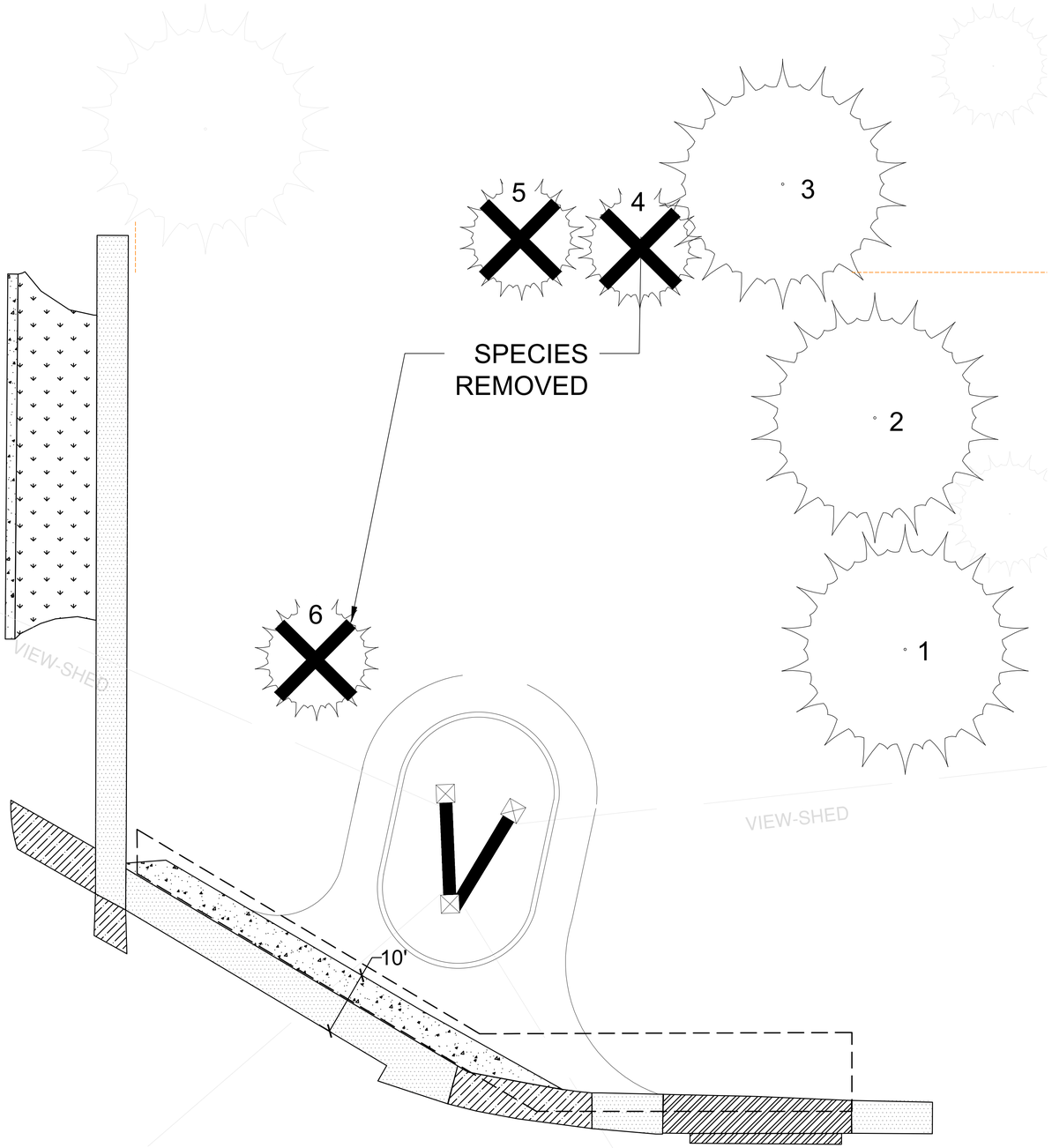
DOUBLE SIDED ELECTRIC SIGN & NEW LEGACY PARK ACQUISITION



EXISTING TREE INVENTORY

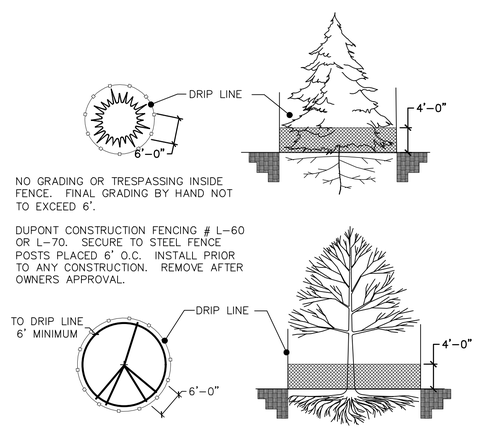
Tree Inventory & Preservation Schedule

Tag#	Condition	Botanical name	Common name	DBH (inches)	Remove/Protect	Preservation Strategy	Replacement Qty.
1	Excellent	Gleditsia triacanthos	Common Honeylocust	40"	Protect	Tree Protection & Root Prune	0
2	Excellent	Acer rubrum	Red Maple	18"	Protect	Tree Protection & Root Prune	0
3	Excellent	Acer rubrum	Red Maple	13"	Protect	Tree Protection & Root Prune	0
4	Good	Ailanthus altissima	Tree of Heaven (INVASIVE SPECIES)	4"	Removed	None	Not applicable
5	Fair	Malus species	Crabapple	7"	Removed	Unable to save during Demo	1 Serviceberry
6	Fair	Malus species	Crabapple	8"	Removed	Unable to save during Demo	1 Serviceberry

SITE PREPARATION AND REMOVALS NOTES

1. CONTRACTOR SHALL INSTALL CONSTRUCTION FENCE AT THE LIMITS OF CONSTRUCTION PRIOR TO BEGINNING WORK. MAINTAIN AND ADJUST CONSTRUCTION FENCING AS NEEDED DURING PROGRESS OF CONSTRUCTION. STAGING AND CONSTRUCTION ACCESS SHALL BE APPROVED BY THE OWNER.
2. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING AS SHOWN ON THE PLANS PRIOR TO BEGINNING WORK, THEN MAINTAIN IT THROUGHOUT THE DURATION OF THE PROJECT. STORAGE OF MATERIALS, VEHICULAR ACCESS AND ALL OTHER CONSTRUCTION ACTIVITIES ARE STRICTLY PROHIBITED WITHIN THE LIMITS OF THE TREE PROTECTION FENCING.
3. PLANS INDICATE GENERAL LOCATION AND LIMITS OF REMOVALS. CONTRACTOR SHALL PERFORM REMOVALS ONLY AS NECESSARY FOR CONSTRUCTION OF PROPOSED IMPROVEMENTS. NO ADDITIONAL PAYMENTS WILL BE MADE FOR REMOVALS OR RESTORATION NOT REQUIRED TO CONSTRUCT THE IMPROVEMENTS AS DRAWN AND SPECIFIED. REFER TO SITE PLAN FOR MORE SPECIFIC INFORMATION REGARDING PROPOSED IMPROVEMENTS AND TO VERIFY CONDITIONS IN THE FIELD PRIOR TO PERFORMING REMOVALS.
4. SAWCUT AND REMOVE CONCRETE PAVING TO NEAREST JOINT WHERE INDICATED. ALL SAW CUTS REQUIRED FOR REMOVAL ITEMS TO BE INCLUDED IN THE UNIT COST OF THAT PARTICULAR PAY ITEM.
5. TREE STUMPS SHALL BE GROUND TO A MINIMUM DEPTH OF 18 INCHES BELOW EXISTING GRADE OR AS REQUIRED TO PROPERLY PERFORM THE WORK.
6. CONTRACTOR TO WALK THE SITE WITH LANDSCAPE ARCHITECT AND OWNER TO REVIEW ROOT PRUNING LIMITS PRIOR TO PERFORMING ROOT PRUNING.
7. REMOVE AND DISPOSE OF TURF WHERE PLANTING BEDS ARE DESIGNATED. REFER TO PLANTING PLAN FOR LIMITS OF PROPOSED LANDSCAPE IMPROVEMENTS.
8. WHERE TURF AND PLANTINGS ARE PROPOSED IN EXISTING PAVED AREAS, REMOVE ALL BASE MATERIAL.
9. REMOVE ALL UTILITIES DESIGNATED FOR REMOVAL TO EXTENT REQUIRED FOR IMPROVEMENTS, UNLESS OTHERWISE NOTED. CAP ENDS OF ANY UNDERGROUND CONDUIT AND PIPING, AND PULL ALL ELECTRICAL WIRE OUT AT SOURCE.
10. ITEMS INDICATED FOR REMOVAL SHALL INCLUDE COMPLETE REMOVAL OF ABOVE GRADE ITEM AND BELOW GRADE APPURTANCES (FOUNDATIONS, URBAN FILL, WIRING, PIPING, ETC.) INCLUDING DISPOSAL OFF-SITE FOLLOWING APPLICABLE CODES AND ORDINANCES, UNLESS OTHERWISE SHOWN ON THE PLANS.
11. ITEMS INDICATED AS REMOVE AND SALVAGE SHALL INCLUDE CAREFUL PROTECTION, REMOVAL AND STORAGE OF ITEMS. FOR REINSTALL ITEMS, CONTRACTOR SHALL STORE DURING CONSTRUCTION. ALL OTHER SALVAGE ITEMS SHALL BE DELIVERED TO LOCATION AS INDICATED BY OWNER UNLESS OTHERWISE SHOWN ON THE PLANS.
12. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND ALL OTHER SITE FEATURES NOT DESIGNATED FOR REMOVAL. CONTRACTOR IS RESPONSIBLE FOR REPLACING/REPAIRING ANY EXISTING UTILITIES OR OTHER SIDE FEATURES DAMAGED DURING CONSTRUCTION TO THE ORIGINAL CONDITION AT NO COST TO THE OWNER.
13. CONTRACTOR RESPONSIBLE FOR MAINTAINING EXISTING UTILITY SERVICES (ELECTRICAL, SANITARY, STORM) DURING CONSTRUCTION UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS.
14. CONTRACTOR SHALL COORDINATE ALL WORK SO PUBLIC SIDEWALK REMAINS OPEN THROUGHOUT CONSTRUCTION.
15. REFER TO UTILITY PLANS FOR ADDITIONAL UTILITY ADJUSTMENTS AND REMOVALS.
16. REFER TO SPECIFICATIONS FOR ADDITIONAL CONDITIONS, STANDARDS AND NOTES, IF APPLICABLE.

TYPICAL TREE PROTECTION CONSTRUCTION DETAIL



1 CONSTRUCTION & TREE PROTECTION FENCE

NOT TO SCALE

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

Date: 7-15-2024
License expires, 8-31-2025

LICENSED LANDSCAPE ARCHITECT
SUSAN ROHNER
157.001778
STATE OF ILLINOIS

Issues & Revisions		
#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION

North

Scale: 1" = 10'

0 5 10 20 30

Sheet Title

ELECTRIC SIGN TREE PRESERVATION PLAN

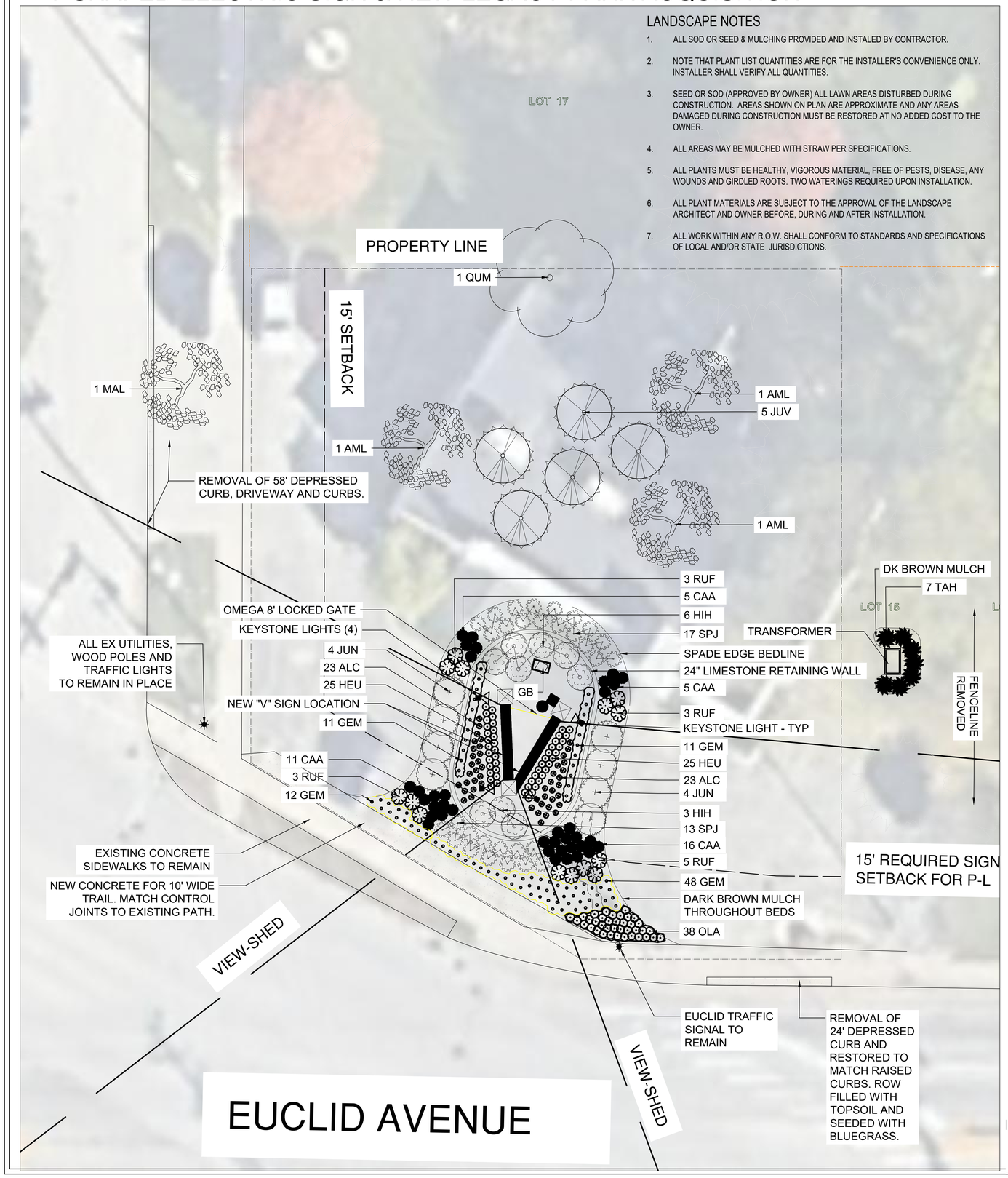
Date: February 26, 2025

ES-2

V-SHAPED ELECTRIC SIGN & NEW LEGACY PARK ACQUISITION

LANDSCAPE NOTES

1. ALL SOD OR SEED & MULCHING PROVIDED AND INSTALED BY CONTRACTOR.
2. NOTE THAT PLANT LIST QUANTITIES ARE FOR THE INSTALLER'S CONVENIENCE ONLY. INSTALLER SHALL VERIFY ALL QUANTITIES.
3. SEED OR SOD (APPROVED BY OWNER) ALL LAWN AREAS DISTURBED DURING CONSTRUCTION. AREAS SHOWN ON PLAN ARE APPROXIMATE AND ANY AREAS DAMAGED DURING CONSTRUCTION MUST BE RESTORED AT NO ADDED COST TO THE OWNER.
4. ALL AREAS MAY BE MULCHED WITH STRAW PER SPECIFICATIONS.
5. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS, DISEASE, ANY WOUNDS AND GIRDLED ROOTS. TWO WATERINGS REQUIRED UPON INSTALLATION.
6. ALL PLANT MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER BEFORE, DURING AND AFTER INSTALLATION.
7. ALL WORK WITHIN ANY R.O.W. SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTIONS.



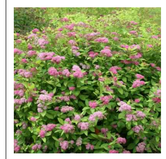
LANDSCAPE PLANT PICTURES

HILLSPIRE RED CEDAR

SERVICEBERRY

SUGARTYME CRAB

BUR OAK TREE


SPIREA

WILD ONION

CRANESBILL

ROSE MALLOW

WHITE TINGED SEDGE

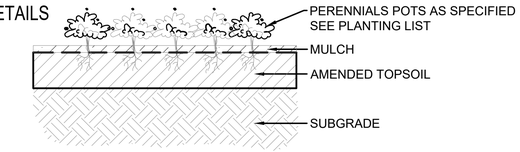
WHITE GOLDENROD

BLACK EYED SUSAN

DWARF JUNIPER

ALUMROOT

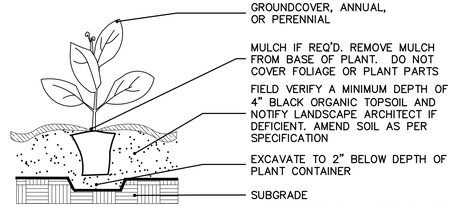
LANDSCAPE DETAILS



SECTION

1 GROUNDCOVER/PERENNIAL/PLANTING LAYOUT

NOT TO SCALE



2 GROUNDCOVER/PERENNIAL/ANNUAL

NOT TO SCALE

Plant Schedule

Legacy Park Electric Sign

Qty.	Symbol	Botanical name	Common name	Size	Notes
		DECIDUOUS TREES			
1	QUM	Quercus macrocarpa	Bur Oak	2 1/2" caliper	B&B
		EVERGREEN TREES			
5	JUV	Juniper virginiana 'Cupressifolia'	Hillspire Eastern Red Cedar	6' Clump	B&B
		ORNAMENTAL TREES			
3	AML	Amelanchier laevis	Allegheny Serviceberry	6' Clump	B&B
1	MAL	Malus 'Sutyzam'	Sugar Tyme Crabapple	2 1/2" Caliper	B&B
		SHRUBS			
9	HIH	Hibiscus 'Holy Grail'	Rose Mallow	5 Gallon	#5
30	SPJ	Spirea japonica 'Tracy'	Double PlayBig Bang Spirea	3 Gallon	#3
7	TAH	Taxus x Media 'Hicksii'	Hicks Yew	5 Gallon	#3
		ORNAMENTAL GRASSES			
37	CAA	Carex albicans	White Tinged Sedge	10 flat	#1
		PERENNIALS			
46	ALC	Allium cernuum	Nodding Wild Onion	1 Gallon	#1
70	GEM	Geranium sanguineum 'Max Frei'	Max Frei Bloody Cranesbill	1 Gallon	#1
50	HEC	Heuchera 'Caramel'	Caramel Alumroot	1 Gallon	#1
38	OLA	Oligoneuron album	White Goldenrod	38 flat	#1
14	RUF	Rudbeckia fulgida var speciosa	Showy Black-eyed Susan	1 Gallon	#1
		EVERGREEN GROUNDCOVER			
8	JUN	Juniper procumbens 'Nana'	Dwarf Japanese Garden Juniper	3 Gallon	#3

Arlington Heights Park District
410 North Arlington Heights Road
847-577-3000

Project

AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

Date: 7-15-2024
License expires, 8-31-2025

LICENSED LANDSCAPE ARCHITECT
SUSAN ROHNER
157.001778
STATE OF ILLINOIS

Issues & Revisions		
#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION

North

Scale: 1" = 10'

0 5 10 20 30

Sheet Title

ELECTRIC SIGN LANDSCAPE PLAN

Date: February 26, 2025

ES-3

PLAN COMMISSION REVIEW
FIRE DEPARTMENT

Village of Arlington Heights
Interoffice Memorandum

To:	**Planning and Community Development**
From:	**Div. Chief Dave Roberts**
Department:	**Fire Department**
File Number:	**PCA00019-2024**
Project:	**750 W Northwest Hwy**
Review Round:	**Round 1**
Date:	**November 118th, 2024**

GENERAL COMMENTS:

1. The Fire Department has no concerns with the electronic sign PUD addition.

PLAN COMMISSION REVIEW
ENGINEERING DIVISION

Village of Arlington Heights
Interoffice Memorandum

To:	**Planning Staff Liaison**
From:	**Nanci Julius, P.E., Senior Civil Engineer**
Department:	**Public Works & Engineering Department**
File Number:	**PCA00019-2024**
Project:	**Park District Sign, 750 W Northwest Highway**
Review Round:	**Number Review Round (Round 1 Review)**
Date:	**November 18, 2024**

DO EXISTING STRUCTURES, IF ANY, MEET MINIMUM REQUIREMENTS OF THE FOLLOWING?

1. PUBLIC IMPROVEMENTS REQUIRED:

	YES	NO	COMMENTS
a. Underground Utilities			
i. Water…….	☐	☒	_____
ii. Sanitary Sewer …….	☐	☒	_____
iii. Storm Sewer……	☐	☒	_____
b. Surface Improvement			
i. Pavement …….	☐	☒	_____
ii. Curb& Gutter……...	☐	☒	_____
iii. Sidewalks…….	☐	☒	_____
iv. Street Lighting…….	☐	☒	_____
c. Easements			
i. Utility & Drainage….	☐	☒	_____
ii. Access……	☐	☒	_____

2. PERMITS REQUIRED OTHER THAN VILLAGE
   a. MWRDGC…… ☐
   b. IDOT…… ☒
   c. ARMY CORP… ☐
   d. IEPA…… ☐
   e. CCHD……. ☐
   f. OTHER…… ☐_____

3. R.O.W. DEDICATIONS……	YES ☐	NO ☒	_____
4. SITE PLAN ACCEPTABLE…….	YES ☐	NO ☒	_____
5. PRELMINARY PLATE ACCEPTABLE……	YES ☐	NO ☐	N/A
6. TRAFFIC STUDY ACCEPTABLE……..	YES ☐	NO ☐	N/A
7. STORMWATER DETENTION REQUIRED……	YES ☐	NO ☐	N/A
8. CONTRIBUTION ORDINANCE EXISTING……	YES ☐	NO ☒	_____
9. FLOOD PLAIN OR FLOODWAY EXISTING…	YES ☐	NO ☒	_____
10. WETLAND EXISTING……	YES ☐	NO ☒	_____

ADDITIONAL COMMENTS ARE ATTACHED.

PLAN COMMISSION PCA00019-2024
Arlington Heights Park District Sign
750 W Northwest Highway
Round 1

11. The petitioner is notified that these comments are being provided to ensure that the project meets the requirements for submittal to the Plan Commission. Approval by the Plan Commission is not an endorsement or approval of these documents to obtain the required building permits, engineering approval, or permits required by other government or permitting agencies for construction. Detailed plan review with associated comments will be provided upon submittal of plans for a building permit. The petitioner shall acknowledge that they accept this understanding.

12. Final engineering plans shall be georeferenced by using State Plane Coordinate System – Illinois East. Below are details about projection:

Projected Coordinate System:	NAD_1983_StatePlane_Illinois_East_FIPS_1201_Feet
Projection:	Transverse_Mercator
False_Easting:	984250.00000000
False_Northing:	0.00000000
Central_Meridian:	-88.33333333
Scale_Factor:	0.99997500
Latitude_Of_Origin:	36.66666667
Linear Unit:	Foot_US
Geographic Coordinate System:	GCS_North_American_1983
Datum:	D_North_American_1983
	Prime Meridian: Greenwich
	Angular Unit: Degree

13. Provide a site photometric lighting diagram indicating lighting intensities. Also provide the associated catalog cuts for all lighting. All fixtures must be flat bottom, sharp cut-off, and no wall pack style fixtures will be permitted.

14. Show the location of the existing traffic signal for westbound Euclid Ave.

15. The existing sidewalk on Euclid Ave in the vicinity of the proposed sign is located behind the existing curb. Consider shifting the location to allow for future improvements to relocate the public sidewalk further north and allow for a parkway between the sidewalk and curb.

16. The existing site has two sections of depressed curb and gutter. The depressed curb and adjacent sidewalk shall be removed and replaced with a full head curb. Show the limits on the plans.

11-18-24

Michael L. Pagones, P.E. Date
Village Engineer

Village of Arlington Heights
Interoffice Memorandum

From:	**Dan Osoba | 847-368-5215; dosoba@vah.com**
Department:	**Planning & Community Development**
File Number:	**PC24-019**
Project:	**Arlington Ridge Center – 750 W Northwest Highway**
Review Round:	**Round 1**
Date:	**November 20, 2024**

	YES	NO
1. COMPLIES WITH COMPREHENSIVE PLAN:	☐	☒
2. COMPLIES WITH THOROUGHFARE PLAN:	☒	☐
3. VARIAITONS NEEDED FROM ZONING REGULATIONS:	☒	☐
4. VARIATIONS NEEDE FROM SUBDIVISION REGULATIONS:	☐	☒
5. SUBDIVISION REQUIRED:	☐	☒
6. SCHOOL/PARK DISTRICT CONTRIBUTION REQUIRED:	☐	☒

Zoning:

7. The following zoning approvals have been requested based on a review of the plans. Please acknowledge the following:
    a. Amendment to the Comprehensive Plan to redesignated 750 W. Northwest Highway from "Office Only" to "Parks".
    b. Rezoning from B-2, General Business District to P-L Public Lands District.
    c. Amendment to the Olympic Park Swim Center/AHPD Planned Unit Development (Ord. 78-019, Ord. 03-036 & Ord. 18-019) to include 750 W. Northwest Highway in the overall PUD.
    d. Special Use Permit to allow a "Facility Owned by the Arlington Heights Park District" for 750 W. Northwest Highway (note that the existing park is covered by a separate Special Use Permit per Ord. 18-019).
    e. Variation to Section 6.12-1(2)a to waive the requirement for a traffic and parking study.

8. Revise the documents referring to variance requests: "REVISED_VAH Staff Review Document_10.11.24" and "PUD Description_750NWHWY_Electric Sign". The variations requested should be clear as to which entity is reviewing the requests. For

the purposes of this application, the only variation is to waive the traffic and parking study requirement (see 7e above). All signage variations are being reviewed by the Design Commission. Please be clear on this distinction in your submitted documents to ensure there is no confusion on which variations are being reviewed by the Plan Commission.

9. In the document "PUD Description_750NWHWY_Electric Sign", please revise the section titled Zoning Code and Land Use Variation Justification to include justification for only the variation to waive the traffic and parking study requirement. All other variations relating to signage are being handled by the Design Commission.

10. Include a response to the three criteria for approval in the justification document for a Special Use Permit as indicated in the CPRC Staff Report.
    a. That said special use is deemed necessary for the public convenience at this location.
    b. That such case will not, under any circumstances of the particular case, be detrimental to the health, safety, morals or general welfare of persons residing or working in the vicinity.
    c. That the proposed use will comply with the regulations and conditions specified in this ordinance for such use, and with the stipulations and conditions made a part of the authorization granted by the Village Board.

General:

11. On the Master Plan PUD Exhibit (sheet 10 of "PUD_PLAN_SET_ELECTRIC SIGN_10.8.24"), please revised the plan to show an overall view of the amended PUD to include 750 W. Northwest Highway into the overall plan. The law office building should be removed and the proposed signage should be shown to match Design Commission plans. This overall PUD should show level of detail for utilities, sidewalk, landscaping, adjacent rights-of-way, and land use for the whole site, including this addition.

12. Revise the sign location per the resubmitted documents for Design Commission. The location and sign design must match between the two submitted documents. Please ensure that these two applications are consistent.

13. The Property Owners List within 250-feet of the property lines of this development, which excludes the rights-of-way, needs to be uploaded for review with your next submission.

14. Your response to these comments must be uploaded to the CSS portal, along with tall the revised plans. Once the entire resubmittal has been uploaded, please email Dan Osoba at dosoba@vah.com to notify that a resubmittal has been uploaded.

Site & Improvements:

15. A Plat of Easement Grant for the public sidewalk encroaching into the site will be required. Any existing sidewalk on the property should also be covered by a sidewalk

easement as it appears there is a portion of the walk that already encroaches onto private property. Please prepare the Plat of Easement Grant for review during the next submission. This Plat of Easement Grant should be reviewed and ready for approval prior to the Plan Commission public hearing.

16. The petitioner has shown the 10-foot multi-use path as requested. Please verify adjacent existing infrastructure that may need to be relocated due to the sidewalk widening. There is a traffic signal at the corner of W. Northwest Highway and N. Salem Avenue as well as an overhead utility pole.

17. Provide information on fencing. There is an existing chain link fence near the eastern property line of 750 W. Northwest Highway that should be removed. Note that the current location of the fence may require a variance for encroachment into a required front yard if it remains.

Landscaping – Provided by Derek Mach (847-368-5232; dmach@vah.com)

18. Provide landscaping near the control cabinet in order to buffer/screen the equipment. All mechanical units must be screened.

19. Provide additional shade trees along the perimeter and along Salem Avenue.

20. Will the existing chain link fence along the east property line near the parking area remain?

MEMO

Date: January 29, 2025

To: Village of Arlington Heights (VAH)

From: Arlington Heights Park District (AHPD)

Subject: Round 1 Plan Commission, Variance & PUD responses—Proposed Electric Sign 750 W. Northwest Highway Property

Please see our plans and description below in regards to permit requirements for the Proposed Electric Sign at 750 W. Northwest Highway. We have also included a fully updated set of plans with more exhibits, lighting specification information, a photometric plan plus higher-level traffic information and viewing angles, indicating the scope of this project.

Please let us know if you have any questions or need additional information from us to receive approval from the Village.

Thank you,

Susan Rohner, PLA

Park Planner

Arlington Heights Park District

OUTLINE OF PLANS

1. **Legal Descriptions of entire Planned Unit Development**- See Plat of Survey for Legal Descriptions- Provided on EX-1 for 750 W. Northwest Highway property and EX-2 for the existing Legacy Park/ARC PUD.
2. **A current Plat of Survey of the subject property-** See two Plats, one for 750 W. Northwest Highway (Existing Conditions Map) and one included for Legacy Park.
3. Proof of Ownership or other legal interest of the petitioner of the property- Deeds already provided.
4. **A Grant of Easement** for the sidewalk has been drafted and is shown on EX-3.
5. **A Site Plan** showing the general sign layout on page ES-1.

410 N. Arlington Heights Rd. | Arlington Heights, IL 60004 | Phone 847.577.3000 | Fax 847.577.3050 | WWW.AHPD.ORG

6. **Tree Preservation Plan**- Provided and Revised, please see updated page ES-2. Two Crab apples close to the building were unable to be saved and additional trees added to the landscape plan on page ES-3.
7. **A Landscape Plan** with all of the planting materials common and Latin names, sizes and quantities- Provided, see ES-3. Plan revised to show electric utility and lighting locations with screening.
8. **A Ground Sign to Sign Exhibit,** needed for the Design Commission, ES-4.
9. **Electric Sign Elevation,** submitted per Design Commission, ES-5.
10. **Reference photos** of the property, requested by Staff for Design Commission- ES-6. Updated on this plan is a current site picture.
11. **Stakeholder Exhibit for Sidewalk** work, ES-7, shows the work and limits of construction for the Village Public Works watermain work & curb removal, IDOT ADA improvements and crosswalk upgrades and the Arlington Heights Park District project scope for sidewalk construction to create a 10' trail per PUD requirements.
12. **A lighting and electric plan, EL-1 through 3,** have been provided with submission in our portal and for the Plan Commission. Also, a photometric plan is included to show the lighting per face of the V-shaped electric sign as requested.
13. **A Masterplan, showing streets, lots, parcels and sites for all uses included in the Planned Unit Development, including areas to be conveyed, dedicated or reserved for public uses, including parks, playgrounds and parkways, as well as a brief written statement describing the Planned Unit Development (ARC and the 750 W. Northwest Highway site)-** Provided, see page PU-1 and description below.
14. **A Traffic Analysis in accordance with Section 6.12 of this Chapter.** Requesting study to be waived as all parking and traffic have been removed from this parcel. Building and parking were torn down and converted to greenspace. See photo #8 on page ES-6 of site post-demolition.
15. **An updated Irrigation plan and Perspective drawing will also be provided at a future time and is in the process of being developed.**

ACTIONS REQUIRED- SEE PLAN COMMISSION ITEMS

1. Amendment to the Comprehensive Plan to update future land use designations for the parcels listed below **(Plan Commission)**:
    i. 750 W. Northwest Highway: 03-30-228-019 Offices Only to Parks
    ii. 750 W. Northwest Highway: 03-30-228-020 Offices Only to Parks
    iii. 750 W. Northwest Highway: 03-30-228-021 Offices Only to Parks

2. Rezoning of the parcels listed below **(Plan Commission)**:
    i. 750 W. Northwest Highway: 03-30-228-019, B-2 to P-L
    ii. 750 W. Northwest Highway: 03-30-228-020, B-2 to P-L
    iii. 750 W. Northwest Highway: 03-30-228-021, B-2 to P-L

3. Planned Unit Development **(Plan Commission)** for the addition of the 750 W. Northwest Highway property to the existing Legacy Park/Arlington Ridge Center (ARC) Facility PUD at 660 North Ridge Ave. Existing building has been torn down, and site converted back to greenspace. Impervious surface was removed. Grass seed, landscaping, irrigation and new LED spot lights included with this new electronic message sign.

4. Variances are required and will be included with the PUD approval for **the Plan Commission.** The variances identified include the following:
    i. Variance to waive the Traffic and Parking Study requirement.

5. Variances were required and included with the PUD approval for **the Design Commission**, then passed with approval. The variances identified included the following:

    i. Variance to allow a copy of the existing Village sign, which is not designed to be compatible with the architectural style of the Arlington Ridge Center.
    ii. Variance to allow an electronic message sign on a non-designated road.
    iii. Variance to allow a ground sign with a 650-foot separation form the existing ground sign.
    iv. Variance to allow an 10'-5-1/4" tall sign.
    v. Variance to allow a 36-sf ground sign where 25 square feet is the max allowed. Also, to allow a 32-sf electronic message sign where 8.25 sf would be the maximum allowed.
    vi. Variance to allow an electronic sign approximately 265 feet from a residential use. Existing trees between the proposed sign and existing houses help screen the view of this sign. More evergreen and deciduous trees were added to the landscape plan as extra screening as possible.

SPECIAL USE JUSTIFICATION (FOR PLAN COMMISSION)

750 W. Northwest Highway was purchased and planned as additional greenspace to the existing Legacy Park/ARC Swim Center/AHPD PUD. We are requesting from the Plan Commission to rezone the property from B-2 to P-L.

1. The revised use of P-L is necessary for the public convenience at this location, particularly because the space is being converted back to green space and no business activities will occur at this property anymore. We are even adding a walking trail on this parcel in support of the Village's Trail Plans. The P-L proposed use is more fitting with the existing and surrounding land use at Legacy Park. The P-L use is also more conducive for a park district electric sign to occur here as well.

2. The proposed changes to land use and property enhancements are not, under any circumstances of the particular case, be detrimental to the health, safety, morals or general welfare of persons residing or working in the vicinity. In fact, the new electric signage had the potential to increase the welfare of all who read it. The AHPD will promote many wellness programs, family fun events and special classes that could increase social opportunities, create bonds, provide exercise and stress release to all residents, patrons and potential park users through these advertisements. Additionally, a new trail will be located on this site and will promote good health.

3. All activities relating to the P-L land designation will not deviate from park and recreation related activities at this location, including advertising for park and recreation programs or events. The proposed use will comply with the regulations and conditions specified in this ordinance for such use, and with the stipulations and conditions made a part of the authorization granted by the Village Board.

VARIATION REQUESTS (FOR PLAN COMMISSION)

Variation to waive the traffic and parking study requirement. Staff will need to formally review the variation request as part of your application submittal, but is notionally supportive of the request at this time.

ROUND 1 RESPONSES DATED 11/18/24

FIRE DEPARTMENT

1. The Fire Department has no concerns with the electronic sign PUD addition.
   Response: Noted.

ENGINEERING

11. The petitioner is notified that these comments are being provided to ensure that the project meets the requirements for submittal to the Plan Commission. Approval by the Plan Commission is not an endorsement or approval of these documents to obtain the required building permits, engineering approval, or permits required by other government or permitting agencies for construction. Detailed plan review with associated comments will be provided upon submittal of plans for a building permit. The petitioner shall acknowledge that they accept this understanding.
    Response: The Arlington Heights Park District acknowledges that approval by the Plan Commission does not guarantee an endorsement through various Village permitting agencies and understand we must continue through the standard processes.

12. Final engineering plans shall be georeferenced by using State Plane Coordinate System – Illinois East. Below are details about projection:
    Projected Coordinate System: NAD_1983_StatePlane_Illinois_East_FIPS_1201_Feet
    Projection: Transverse_Mercator
    False_Easting: 984250.00000000

False_Northing: 0.00000000
Central_Meridian: -88.33333333
Scale_Factor: 0.99997500
Latitude_Of_Origin: 36.66666667
Linear Unit: Foot_US
Geographic Coordinate System: GCS_North_American_1983
Datum: D_North_American_1983
Prime Meridian: Greenwich
Angular Unit: Degree
Response: Noted and does not apply to Electrical Engineering Plan.

13. Provide a site photometric lighting diagram indicating lighting intensities. Also provide the associated catalog cuts for all lighting. All fixtures must be flat bottom, sharp cut-off, and no wall pack style fixtures will be permitted.
Response: Noted. Our fixtures have a shield on top and are not wall-pack style.

14. Show the location of the existing traffic signal for westbound Euclid Ave.
Response: Signal is shown on the surveys, landscape, site and sidewalk exhibits.

15. The existing sidewalk on Euclid Ave in the vicinity of the proposed sign is located behind the existing curb. Consider shifting the location to allow for future improvements to relocate the public sidewalk further north and allow for a parkway between the sidewalk and curb.
Response: We considered adding a ROW and provided a mock-up to the Village. The design doesn't work due to:
1.) Having to loop back before the utility pole,
2.) The number of utilities with the proposed ROW are limiting,
3.) A tree planted in this new ROW would block views of our electric sign,
4.) Several stakeholders are working in this sidewalk area: Village of Arlington Heights Public Works, IDOT and AHPD, so we must simplify, and
5.) Adding the small ROW requires us to get an IDOT Permit and will greatly delay our project timeline for such a small scope of work. Therefore, we are respectfully requesting the sidewalk work shown on the Stakeholder Exhibit to include the Village of Arlington Heights Public Works.

16. The existing site has two sections of depressed curb and gutter. The depressed curb and adjacent sidewalk shall be removed and replaced with a full head curb. Show the limits on the plans.
Response: Limits of all stakeholders are shown on ES-7. Due to VAH Public Works doing utility work in this same location, Public works agreed to do this curb under their IDOT Permit and six new squares of sidewalk where the entry drive. This depressed curb also has detector loops that will need to be replaced per IDOT.

PLANNING AND COMMUNITY DEVELOPMENT

Zoning:

7. The following zoning approvals have been requested based on a review of the plans. Please acknowledge the following:

a. Amendment to the Comprehensive Plan to redesignated 750 W. Northwest Highway from "Office Only" to "Parks". **Response: Correct.**

b. Rezoning from B-2, General Business District to P-L Public Lands District.

c. Amendment to the ~~Olympic~~ LEGACY PARK/ARC Swim Center/AHPD Planned Unit Development. (Ord. 78-019, Ord. 03-036 & Ord. 18-019) to include 750 W. Northwest Highway in the overall PUD. **Response: Correct as named above.**

d. Special Use Permit to allow a "Facility Owned by the Arlington Heights Park District" for 750 W. Northwest Highway (note that the existing park is covered by a separate Special Use Permit per Ord. 18-019). **Response: Correct.**

e. Variation to Section 6.12-1(2)a to waive the requirement for a traffic and parking study. **Response: Correct.**

8. Revise the documents referring to variance requests: "REVISED_VAH Staff Review Document_10.11.24" and "PUD Description_750NWHWY_Electric Sign". The variations requested should be clear as to which entity is reviewing the requests. For the purposes of this application, the only variation is to waive the traffic and parking study requirement (see 7e above). All signage variations are being reviewed by the Design Commission. Please be clear on this distinction in your submitted documents to ensure there is no confusion on which variations are being reviewed by the Plan Commission. **Response: Revised to clarify as suggested. Renamed REVISED VAH_Staff Review doc to ''VAH Response Doc Round 1--includes this document.''**

9. In the document "PUD Description_750NWHWY_Electric Sign", please revise the section titled Zoning Code and Land Use Variation Justification to include justification for only the variation to waive the traffic and parking study requirement. All other variations relating to signage are being handled by the Design Commission. **Response: Revised to clarify as suggested.**

10. Include a response to the three criteria for approval in the justification document for a Special Use Permit as indicated in the CPRC Staff Report.

a. That said special use is deemed necessary for the public convenience at this location.

b. That such case will not, under any circumstances of the particular case, be detrimental to the health, safety, morals or general welfare of persons residing or working in the vicinity.

c. That the proposed use will comply with the regulations and conditions specified in this ordinance for such use, and with the stipulations and conditions made a part of the authorization granted by the Village Board.

Response: Revised and included in this document- see Special Use Permit Paragraph above.

General:

11. On the Master Plan PUD Exhibit (sheet 10 of "PUD_PLAN_SET_ELECTRIC SIGN_10.8.24"), please revised the plan to show an overall view of the amended PUD to include 750 W. Northwest Highway into the overall plan. The law office building should be removed and the proposed signage should be shown to match Design Commission plans. This overall PUD should show level of detail for utilities, sidewalk, landscaping, adjacent rights-of-way, and land use for the whole site, including this addition. **Response: Revised per the above.**

12. Revise the sign location per the resubmitted documents for Design Commission. The location and sign design must match between the two submitted documents. Please ensure that these two applications are consistent. **Response: Revised all to match up, new V-sign added per Design Commission suggestion.**

13. The Property Owners List within 250-feet of the property lines of this development, which excludes the rights-of-way, needs to be uploaded for review with your next submission. **Response: Noted and included in re-submission.**

14. Your response to these comments must be uploaded to the CSS portal, along with tall the revised plans. Once the entire resubmittal has been uploaded, please email Dan Osoba at dosoba@vah.com to notify that a resubmittal has been uploaded. **Will do.**

Site & Improvements:

15. A Plat of Easement Grant for the public sidewalk encroaching into the site will be required. Any existing sidewalk on the property should also be covered by a sidewalk easement as it appears there is a portion of the walk that already encroaches onto private property. Please prepare the Plat of Easement Grant for review during the next submission. This Plat of Easement Grant should be reviewed and ready for approval prior to the Plan Commission public hearing. **Response: Noted and included in re-submission. Per conversation- AHPD would like to sign the same agreement with the Village of Arlington Heights as like Recreation Park. Easement is Granted to the Village of Arlington Heights, who is responsible for maintenance.**

16. The petitioner has shown the 10-foot multi-use path as requested. Please verify adjacent existing infrastructure that may need to be relocated due to the sidewalk widening. There is a traffic signal at the corner of W. Northwest Highway and N. Salem Avenue as well as an overhead utility pole. **Response: Noted and sidewalk design revised to not interfere with any utilities- See Page ES-7.**

17. Provide information on fencing. There is an existing chain link fence near the eastern property line of 750 W. Northwest Highway that should be removed. Note that the current location of the fence may require a variance for encroachment into a required front yard if it remains. **Response: Fence removed with demolition of the building and parking lot at this location. No other fence to be installed.**

Landscaping – Provided by Derek Mach (847-368-5232; dmach@vah.com)

18. Provide landscaping near the control cabinet in order to buffer/screen the equipment. All mechanical units must be screened. **Response: Revised to show mechanical units and screening- See ES-3 and PUD Masterplan, PU-1.**

19. Provide additional shade trees along the perimeter and along Salem Avenue. **Response: Per conversation with Derek, space and utilities prohibit the long life of trees along Salem. On ES-1- One Sugar Thyme Crab was able to be placed on Salem and another Oak was placed within our property to the North to accommodate the requirements.**

20. Will the existing chain link fence along the east property line near the parking area remain? **Response: No-Fence removed with demolition.**

End of Comments

Enc: Proposed plans and exhibits

Cc: Carrie Fullerton, Arlington Heights Park District;
File – AHPD

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/7/2025

Item: East Country Lane Townhomes - 3310 N. Old Arlington Heights Rd. - PC#24-015
Planned Unit Development, Comprehensive Plan Amendment, Rezoning, Preliminary Plat with Variations

Department: Planning & Community Development

Item Description:
Requested Action

1. Planned Unit Development to allow a 24-unit townhome development consisting of four buildings on one zoning lot.
2. Rezoning from M-1 Research, Development and Light Manufacturing District to the R-6 Multiple Family Dwelling District.
3. Amendment to the Comprehensive Plan to reclassify the subject property from the "R&D, Manufacturing and Warehouse" classification to the "Moderate Density Multi-Family" classification.
4. Preliminary Plat of Subdivision to consolidate the subject property into one lot.

Variations Required

1. Section 5.1-6.2.b to allow a 80,150 square-foot lot size where the minimum lot size of 84,00 square feet is required.
2. Section 6.15-1.2.b to waive the requirement to provide trees within two parking lot landscape islands.

Recommendation
A public hearing was held by the Plan Commission on March 12, 2025, where Commissioner Jensen moved and Commissioner Green seconded:

A motion to recommend to the Village Board of Trustees approval of PC #24-015, a Planned Unit Development to allow a 24-unit townhome development consisting of four buildings on one zoning lot; a Rezoning from the M-1 Research, Development and Light Manufacturing District to the R-6 Multiple Family Dwelling District; an Amendment to the Comprehensive Plan to reclassify the subject property from the "R&D, Manufacturing and Warehouse" classification to the "Moderate Density Multi-Family"

classification; a Plat of Subdivision approval to consolidate the subject property into one lot, with the following Variations:

1. Section 5.1-6.2.B, to allow an 80,150 square-foot lot size where a minimum lot size of 84,000 square feet is required, and
2. Section 6.15-1.2.B, to waive the requirement to provide trees within two of the parking lot landscape islands.

This recommendation is subject to resolution of the following:

~~RED STRIKETHROUGH~~ conditions are to be removed per Staff Development Committee recommendations as the Petitioner has addressed those Plan Commission recommended conditions of approval:

1. Final plat of subdivision approval shall be required.
2. The Petitioner must provide all required fees in accordance with the requirements of Chapter 29 of the Village Code.
3. Linkage fees, in accordance with Chapter 7 of the Municipal Code and the approval of the affordable housing plan by the Housing Commission on November 20, 2024, shall be required at time of building permit issuance.
4. The Petitioner shall provide a reciprocal cross-access easement to the property to the north (Timber Court at 3400 North Old Arlington Heights Road) on the subject property. The access and easement shall comply with all Village codes and be recorded with the final plat of subdivision for the subject property.
5. The Petitioner shall locate above-ground utilities, transformers, or other similar utility company mechanical equipment in such a way that they are screened from public rights-of-way to be reviewed with the submission of building permits.
6. The Petitioner shall remove the depressed curbs and existing apron on the property and replace them with full head curbs and restore the parkways with topsoil and seed or sod at the time of building permit.
7. IDOT approval shall be required for any work proposed within the North Old Arlington Heights Road right-of-way.
8. The Petitioner must comply with all requirements set forth in the September 24, 2024 motion of the Village's Design Commission concerning the approval of the design for the townhome buildings.
9. The Petitioner must comply with all requirements set forth in the November 20, 2024 motion of the Village's Housing Commission concerning the approval of the Petitioner's affordable housing plan for the development.
10. ~~The Petitioner shall provide dimensions for the N.E.A. boundaries on the East Country Lane Townhomes' preliminary plat of subdivision dated (2/25/2025) for review and approval by Staff prior to the Village Board hearing.~~

11. ~~The Petitioner shall provide public utility easements and the square footage for the two master meters on the East Country Lane Townhomes' preliminary plat of subdivision (dated 2/25/2025) for review and approval by Staff prior to the Village Board hearing.~~
12. ~~The Petitioner shall provide the area of the utility easement to be vacated along the west property line on the East Country Lane Townhomes' preliminary plat of subdivision (dated 2/25/2025) for review and approval by Staff prior to the Village Board hearing.~~
13. The Petitioner shall comply with all federal, state, and Village codes, regulations and policies.

Roll Call Vote: Commissioners Ennes, Green, Jensen, Lorenzini, Schurtz, and Chairperson Cherwin voted in favor. Motion carried.

ATTACHMENTS:

1. PC Staff Report_East Country Lane Townhomes
2. PC Minutes 3-12-25 - DRAFT
3. 11.20.2024 - Housing Commission Minutes
4. 9.24.2024 - Design Commission Minutes
5. 2.26.2025 PC Minutes
6. 1.22.2025 PC Minutes - Page 3
7. Exhibit A - Aerial
8. Exhibit B - Topographical Survey
9. Exhibit C - Project Summary
10. Exhibit D - Compliance with Standards for Variation Request
11. Eave Height Exhibit
12. Landscape & Tree Preservation Plan
13. Photometric Plan
14. Preliminary Engineering Plans
15. Preliminary Plat - East Country Lane Townhomes
16. PUD Master Plan
17. Site Plan & Bulk Standards
18. Traffic Study
19. Dept Comments - Round 1
20. Dept Comments - Round 2
21. Dept Comments - Round 2_Addendum
22. Petitioner Response to Round 2 Comments
23. Dept Comments - Round 3
24. Peititioner Response to Round 3 Comments
25. Dept Comments - Round 4
26. Petitioner Response to Round 4 Comments
27. Dept Comments - Round 5
28. Petitioner Response to Round 5 Comments
29. Dept Comments - Round 6
30. 3.12.2025 Letter to the Arlington Heights

VILLAGE OF ARLINGTON HEIGHTS

STAFF DEVELOPMENT COMMITTEE REPORT

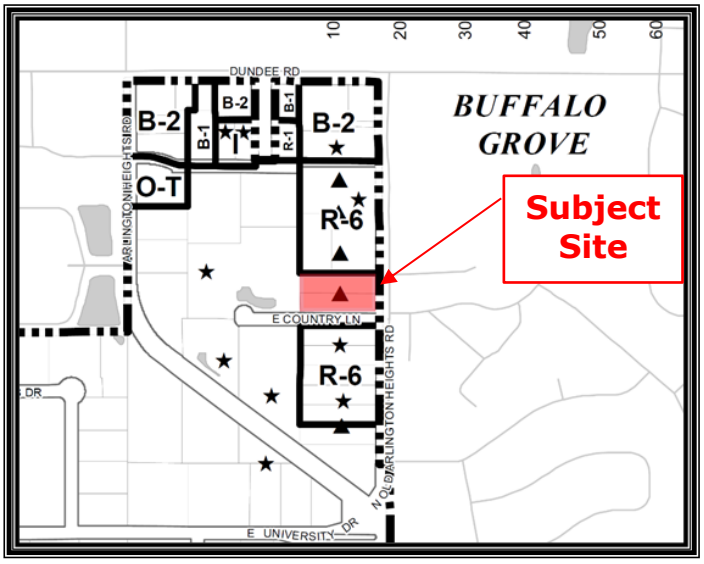
***Project Number**: PC 24-015*
***Project Title**: East Country Lane Townhomes*
***Location**: 3310 N. Old Arlington Heights Rd*
***PIN**: 03-08-100-018; 03-08-100-019*

***To**: Plan Commission*
***Prepared By**: Dan Osoba, Planner I*
***Meeting Date**: March 12, 2025*
***Date Prepared**: March 7, 2025*

***Petitioner**: David Schwartz*
SFP Properties, LLC
***Address**: 3190 Doolittle Dr.*
Northbrook, IL 60062

***Existing Zoning**: M-1: Research, Development, and Light Manufacturing District*

***Comprehensive Plan**:* R & D, Manufacturing, Warehousing



SURROUNDING LAND USES

Direction	Existing Zoning	Existing Use	Comprehensive Plan
North	R-6: Multiple-Family Dwelling District	Multi-family residential development	Moderate Density Multi-Family
South	R-6: Multiple-Family Dwelling District	Multi-family residential townhome development	Moderate Density Multi-Family
East	Buffalo Grove (R-5 One Family Dwelling District; R-9 Multiple Family Dwelling District)	Single-Family Detached; Mill Creek Condominiums	--
West	M-1: Research Development, and Light Manufacturing District	Multi-tenant office development (Arlington Executive Plaza)	R & D, Manufacturing, Warehousing

Requested Action:

1. Planned Unit Development to allow a 24-unit townhome development consisting of four buildings on one zoning lot.
2. Rezoning from M-1 Research, Development and Light Manufacturing District to the R-6 Multiple Family Dwelling District.
3. Amendment to the Comprehensive Plan to reclassify the subject property from the "R&D, Manufacturing and Warehouse" classification to the "Moderate Density Multi-Family" classification.
4. Preliminary Plat of Subdivision to consolidate the subject property into one lot.

Variations Required:

1. Variation to Section 5.1-6.2.b to allow a 80,150 square foot lot size where the minimum lot size of 84,00 square feet is required.
2. Section 6.15-1.2.b to allow waive the requirement to provide trees within two of the landscape islands within the parking lot.

Project Background:
The subject property is approximately 1.84 acres (80,150 square feet) and located on the northwest corner of Old Arlington Heights Road and Country Lane (see **Exhibit A – Aerial** and **Exhibit B – Topographical Survey**). To the north of the property is the four-story Timber Court apartment development, and to the south are the three-story Lexington Heritage townhomes located on the opposite side of E. Country Lane. East of the subject property and across N. Old Arlington Heights Road are single-family homes and the Mill Creek condominiums, both of which are located in Buffalo Grove. Abutting the property to the west is the one-story Arlington Executive Plaza office development. The subject property is currently vacant and mostly wooded, although it was informally used by a landscape company for storage of 2-4 vehicles and miscellaneous materials. Prior to this, the site was occupied by a single-family home that was demolished in 2021.

The petitioner, SFP Properties, has the site under contract and is proposing a 24-unit three-story rental townhome development comprised of four buildings. Each building would contain six units and all units would have three bedrooms. Each unit would include a two-car, rear-loaded garage and the site would include 10 guest parking stalls. There would be 18 feet of driveway space in front of each garage door, providing adequate capacity for each townhome unit to park two cars in front of their garages. Rents are expected to start around $3,700-$4,000 per unit.

Access to the site is proposed from two curb cuts along E. Country Lane, which would align with the existing curb cut for the Lexington Heritage development to the south. E. Country Lane provides one inbound lane and one outbound lane. Old Arlington Heights Road provides a separate northbound left turn lane for access onto E. Country Lane. Stormwater detention is proposed in an underground detention vault in the front yard between the townhomes and E. Country Lane.

Zoning and Comprehensive Plan
The subject property is zoned M-1, Research, Development, and Light Manufacturing District, which is a product of efforts in the early 1990's to facilitate redevelopment of the Old Arlington Heights Road corridor with office, research facilities, laboratories, and ancillary business uses. In addition to the M-1 zoning established, the corridor was also placed within an overlay zoning district meant to foster cohesive and unified redevelopment. The desired redevelopment was never realized, and in 2005 the Village Board approved the Timber Court development abutting the property to the north, which was a departure from the previous redevelopment vision and marked a transition towards multi-family uses along the corridor.

When the Lexington Heritage townhome development to the south was approved in 2016, the overlay district was repealed, allowing the underlying zoning regulations to govern. The proposed townhomes in this petition are compatible with the trend towards multi-family development in this corridor. To allow for the proposed redevelopment, the subject property is proposed to be rezoned into the R-6, Multiple-Family Dwelling District. Similarly, the Comprehensive Plan, which currently designates the site as appropriate for research and development, manufacturing, and warehousing uses, is proposed to be amended to reclassify the site as "Moderate Density Multi-Family". Given the trend of redevelopment in this area, the Staff Development Committee is supportive of the rezoning and Comprehensive Plan amendment.

The Zoning Code requires that any development with multiple buildings on one lot to obtain PUD approval. The Petitioner has provided a construction schedule and preliminary staging plan indicating locations for material storage, construction worker parking, expected lane closures, and construction entrances as part of this PUD (reference **PUD Master Plan** in the agenda).

Given the size of the subject property and the proposed unit mix, the R-6 density requirements allow a maximum of 22 dwelling units on the site. The developer has proposed 24 units, which translates to a density increase of two units above code requirements. The following density variation is required:

- **Chapter 28, Section 5.1-6.2.b, to allow a 80,150 square foot lot size where a minimum lot size of 84,000 square feet is required.**

The Zoning Code requires that no variation be approved unless it conforms to the four criteria for approval listed below. The Petitioner has provided a written response to those criteria (see **Exhibit D – Compliance with Standards for Variation Approval**) to which the Staff Development Committee agrees. The variation will not alter the character of the locality as the existing development context of the N. Old Arlington Heights corridor is single-family attached dwellings and multifamily of moderate density.

- **The proposed use will not alter the essential character of the locality and will be compatible with existing uses and zoning of nearby property.**
- **The plight of the owner is due to unique circumstances, which may include the length of time the subject property has been vacant as zoned.**
- **The proposed variation is in harmony with the spirit and intent of this Chapter.**
- **The variance requested is the minimum variance necessary to allow reasonable use of the property.**

While the density variation is for two units above maximum allowances, the technical density overage is 1.1 units above code requirements, which results in a two-unit variation since a fraction of a unit (0.1) cannot be built. The petitioner is proposing one onsite affordable unit, and Section 7-1709a of the Inclusionary Housing Ordinance (IHO) allows a one-unit density bonus at the discretion of the Village Board for every onsite affordable unit provided. Considering the 1:1 density bonus allowed by the IHO, the additional density overage of 0.1 unit is deemed reasonable by staff. The Petitioner appeared before the Housing Commission on November 20, 2024 to review the Affordable Housing Plan for East Country Lane Townhomes. The Housing Commission unanimously approved the Affordable Housing Plan with the conditions (see **11.20.2024 Housing Commission Minutes**):

> The Applicant is responsible to ensure that the Planned Unit Development is and remains in full compliance with the requirements of Article XVII of Chapter 7 of Village Code, being the Village's Inclusionary Housing Ordinance, and the Village's Inclusionary Housing Guidelines, including, without limitations, the following:
>
> 1. Providing, at a minimum 5% of the total units in the Planned Development as affordable (1 actual on-site unit and .2 units as a fee-in-lieu of actual units) in compliance with Section 7-1707(b)(2) of the Village Code and the Village's Inclusionary Housing Guidelines.
> 2. Ensuring compliance with all other provision of the Inclusionary Housing Ordinance and the Inclusionary Housing Guidelines as applicable.

In order to create one lot for the proposed development, the subject property is proposed to be consolidated, which will require preliminary and final plat of subdivision approval. The Petitioner has submitted for Preliminary Plat only at this time. A Final Plat of Subdivision will be required to be reviewed and approved by the Village Board prior to issuance of building permits. A condition of approval is recommended by the SDC to that effect.

Site Improvements & Landscaping:

The proposed site plan is well designed with primary buildings oriented to front each abutting street to the south and the east, which creates a positive aesthetic as viewed from the public right-of-way. Garages are rear-loaded and concealed from public view. The Petitioner is required to implement cross access to the Timber Court condominiums to the north, which is proposed at the northeast portion of the site. The cross access will allow for fire protection and emergency vehicles egress from either site without having to reverse.

When the Timber Court project was approved in 2005, the following condition of approval was incorporated:

1. A cross-access easement shall be required along the south property line [of the Timber Court property] and shall be effectuated at such time when the properties to the south develop.

Accordingly, the Timber Court development is required by Ordinance to allow cross access to the subject property, and in order to implement this cross access, the subject property is proposing reciprocal access back to Timber Court.

A landscape plan and tree preservation plan have been provided that show compliance with code requirements for landscaping with the exception of the following variation:

- **Chapter 28, Section 6.15-1.2.b to allow waive the requirement to provide trees within two of the landscape islands within the parking lot.**

The Petitioner has requested this variation and provided a written response to the criteria for approval for variations to allow the location of fire hydrants within the parking lot islands, which are required by code. In lieu of locating the trees within the parking lot island, the Petitioner proposes to relocate those required trees elsewhere on-site. The SDC has reviewed this requested variation and written justification and recommends approval because it will not alter the character of the locality, the same number of required trees will be planted on-site, the parking lot islands impacted are internal to the site, and the islands are occupied by required fire hydrants which preclude tree plantings.

Building & Design

A Design Commission application was submitted and reviewed by Village Staff. The Design Commission reviewed the proposal and recommended approval during the Design Commission on September 24, 2024 (see **9.24.2024 Design Commission Minutes**). The Design Commissioners discussed roof design, the color and material palette, and consistency of the design throughout the development. The Design Commission recommendation will be heard at a Village Board public hearing.

Streetscape Improvements/Infrastructure

The proposed development is required to comply with all Village and MWRD stormwater regulations, and as previously mentioned, onsite detention is proposed within an underground vault to be located in the front yard along E. Country Lane. There is currently no sidewalk along E. Country Lane, which the Petitioner proposes to install as part of this development. Additionally, the Village's Bike and Pedestrian Plan calls for a multi-use pathway (10' wide) along N. Old Arlington Heights Road, which is also being implemented as part of this project. N. Old Arlington Heights Road is under the jurisdiction of IDOT, and an IDOT permit shall be required for all work within the IDOT right-of-way.

Parking & Traffic:

Per Chapter 28, Section 6.12-1(2)a, the Petitioner is required to provide a traffic and parking study by a certified traffic engineer that assesses access (location, design, and Level of Service), on-site circulation, trip generation and distribution, and parking. The Petitioner has provided a traffic and parking study which found that traffic impacts of this 24-unit development will be minimal and adequate parking is provided on-site with garages, driveways and guest parking included in the proposal. The development includes two-car garages for each unit, plus 10 guest parking stalls. There would also be 18' of driveway space in front of each garage, which is sufficient to accommodate parking for two cars, without having those cars overhang into the abutting drive aisles. It should be noted that the driveway areas would not count as parking stalls for the purposes of code required parking compliance. Detailed parking calculations are included below:

Table I – Parking Calculations

PROPOSED USE	CODE USE	NUMBER OF DWELLING UNITS	PARKING REQUIREMENT	PARKING REQUIRED
Townhomes	Multi-family	24	2 spaces per unit	48
			Total Required	48
			Total Provided	58*
			Surplus / (Deficit)	**10**

* Includes 10 guest parking stalls

RECOMMENDATION

The Staff Development Committee (SDC) reviewed the proposal of a Planned Unit Development to allow a 24-unit townhome development consisting of four buildings on one zoning lot, Rezoning from the M-1, Research, Development and Light Manufacturing District to the R-6 District, Multiple-Family Dwelling District, Amendment to the Comprehensive Plan to reclassify the subject property from the "R&D,

Manufacturing and Warehouse" classification to the "Moderate Density Multi-Family" classification, Plat of Subdivision approval to consolidate the subject property into one lot, along with the following variations to Chapter 28 of the Municipal Code:

1. Section 5.1-6.2.b, to allow a 80,150 square foot lot size where a minimum lot size of 84,000 square feet is required.
2. Section 6.15-1.2.b to allow waive the requirement to provide trees within two of the landscape islands within the parking lot.

The Staff Development Committee recommends **APPROVAL** of the application subject to the following condition:

1. Final Plat of Subdivision approval shall be required.
2. The Petitioner must provide all required fees in accordance with the requirements of Chapter 29 of the Village Code.
3. Linkage fees, in accordance with Chapter 7 of the Municipal Code and the approval of the Affordable Housing Plan by the Housing Commission on November 20, 2024, shall be required at time of building permit issuance.
4. The Petitioner shall provide a reciprocal cross access easement to the property to the north (Timber Court; 3400 N. Old Arlington Heights Road) on the subject property. The access and easement shall comply with all Village codes and be recorded with the Final Plat of Subdivision for the subject property.
5. The Petitioner shall locate above ground utilities, transformers, or other similar utility company mechanical equipment in such a way that they are screened from public rights-of-way to be reviewed with the submission of building permits.
6. The Petitioner shall remove the depressed curbs and existing apron on the property and replace with full head curbs and restore the parkways with topsoil and seed or sod at the time of building permit.
7. IDOT approval shall be required for any work proposed within the N. Old Arlington Heights Road right-of-way.
8. The Petitioner must comply with all of the requirements set forth in the September 24, 2024 motion of the Village's Design Commission concerning the approval of the design for the townhome buildings.
9. The Petitioner must comply with all requirements set forth in the November 20, 2024 motion of the Village's Housing Commission concerning the approval of the Petitioner's Affordable Housing Plan for the development.
10. The petitioner shall provide dimensions for the N.E.A. boundaries on the East Country Lane Townhomes Preliminary Plat of Subdivision (dated 2/25/2025) for review and approval by staff prior to the Village Board hearing.
11. The petitioner shall provide public utility easements and the square footage for the two master meters on the East Country Lane Townhomes Preliminary Plat of Subdivision (dated 2/25/2025) prior for review and approval by staff prior to the Village Board hearing.
12. The petitioner shall provide the area of the utility easement to be vacated along the west property line on the East Country Lane Townhomes Preliminary Plat of Subdivision (dated 2/25/2025) for review and approval by staff prior to the Village Board hearing.
13. The petitioner shall comply with all Federal, State, and Village Codes, Regulations, and Policies.

_____ March 7, 2025
Michael Lysicatos, Assistant Director of Planning and Community Development
Cc: Randy Recklaus, Village Manager
All Department Heads

PLAN
_____
_____
_____

REPORT OF THE PROCEEDINGS OF A PUBLIC HEARING
BEFORE THE VILLAGE OF ARLINGTON HEIGHTS
PLAN COMMISSION

COMMISSION

RE: EAST COUNTRY LANE TOWNHOMES - 3310 NORTH OLD ARLINGTON HEIGHTS ROAD - PC #24-015
PLANNED UNIT DEVELOPMENT, COMPREHENSIVE PLAN AMENDMENT, REZONING, PRELIMINARY PLAT WITH VARIATIONS

REPORT OF PROCEEDINGS had before the Village of Arlington Heights Plan Commission Meeting taken at the Arlington Heights Village Hall, 33 South Arlington Heights Road, 3rd Floor Board Room, Arlington Heights, Illinois on the 12th day of March, 2025 at the hour of 7:30 p.m.

MEMBERS PRESENT:

JAY CHERWIN, Chairperson
LYNN JENSEN
KRISTEN SCHURTZ
JOE LORENZINI
BRUCE GREEN
TERRY ENNES

ALSO PRESENT:

DANIEL OSOBA, Planner I
RACHEL HITZEMANN, Development Planner
MICHAEL LYSICATOS, Assistant Director of Planning and Community Development

DRAFT

(Gavel pounded.)

CHAIRPERSON CHERWIN: All right, we'll call this meeting to order. If we could stand for the Pledge of Allegiance, please?

(Pledge of Allegiance recited.)

CHAIRPERSON CHERWIN: All right, if we could please do roll call?

MS. HITZEMANN: Yes.

Dawson.

(No response.)

MS. HITZEMANN: Drost.

(No response.)

MS. HITZEMANN: Ennes.

COMMISSIONER ENNES: Here.

MS. HITZEMANN: Green.

COMMISSIONER GREEN: Here.

MS. HITZEMANN: Jensen.

COMMISSIONER JENSEN: Here.

MS. HITZEMANN: Lorenzini.

COMMISSIONER LORENZINI: Here.

MS. HITZEMANN: Schurtz.

COMMISSIONER SCHURTZ: Here.

MS. HITZEMANN: Sigalos.

(No response.)

MS. HITZEMANN: Cherwin.

CHAIRPERSON CHERWIN: Here.

All right, we have a quorum, thank you.

The first order of business here is an approval of minutes, A. East Country Lane Townhomes which extended that public meeting to today, and then B. Arlington Ridge Center Sign.

Is there a motion to approve?

COMMISSIONER GREEN: I'll make a motion to approve.

COMMISSIONER JENSEN: Second.

CHAIRPERSON CHERWIN: Okay, motion and seconded.

All those in favor?

(Chorus of ayes.)

CHAIRPERSON CHERWIN: Any opposed?

COMMISSIONER ENNES: I abstain; I wasn't here.

CHAIRPERSON CHERWIN: Terry abstains. All right, the motion passes; the minutes have been approved. Thank you.

First, so we'll move on to the public hearings here. The first and only petition on the agenda is the East Country Lane Townhomes which was continued from the 26th.

So, I would ask Staff to confirm that all public notices have been given, is that correct?

MR. OSOBA: Yes, they have.

CHAIRPERSON CHERWIN: Thank you, Dan.

Okay, so for this matter, if we could have the Petitioner step up? Whoever is going to speak on behalf of the Petitioner, if you could please raise your right hand?

DRAFT

I'm just going to ask you to repeat a little oath here.

(Witnesses sworn.)

CHAIRPERSON CHERWIN: Okay, thank you.

What we'll do here is, before you speak, if you could just say and spell your name for the record so we know who is here talking. My first question for you would be there's a Staff report on your matter, have you read the Staff report? You see several conditions to the approval.

MR. FREEDMAN: We've read the report and we concur with the conditions and have no objections.

CHAIRPERSON CHERWIN: Okay, very nice. Thank you, you can go ahead and proceed. Thanks.

MR. FREEDMAN: I gave your secretary or clerk the three names, so he has them.

CHAIRPERSON CHERWIN: Perfect, thank you.

MR. FREEDMAN: For the record, my name is Lawrence Freedman. I am an attorney with the firm of Ash, Anos, Freedman and Logan. My address for the record is 95 Revere Drive, Northbrook. Dave, why don't you introduce yourself?

MR. SCHWARTZ: David Schwartz, principal at SFP Properties. Our address is 3190 Doolittle Drive in Northbrook.

CHAIRPERSON CHERWIN: Thank you, gentlemen.

MR. FREEDMAN: And if you testify, I'll have you identify yourself.

Whenever you're ready, Mr. Chairman.

CHAIRPERSON CHERWIN: Yes, sir, go ahead. Proceed, thank you.

MR. FREEDMAN: All right. I'm here tonight on behalf of SFP Properties, LLC, the contract purchaser of the subject property, and we're seeking multiple relief. It's all articulated obviously in your Staff report but I'll summarize it for the record.

We're seeking to have a recommendation for a planned unit development approval to allow a 24-unit townhome development which will consist of four buildings on one zoning lot. We're seeking a rezoning from M-1 Research, Development and Light Manufacturing District to an R-6 Multi-Family Dwelling District; an amendment to your Comprehensive Plan to reclassify the property from its current classification to "Moderate Density Multi-Family"; a preliminary plat of subdivision approval to consolidate the property into a singular lot. We're also seeking a variation to allow an 80,150 square-foot lot size where the minimum lot size required is 84,000 square feet, and we're seeking to waive the requirement to provide trees within two of the landscape islands within the parking lot in order to accommodate the design for two of the fire hydrants. That's the purpose of that request.

The request that we're seeking tonight is rather similar to the trend in the area and relief that other properties have sought. I was involved in fact in 2016 with the Lexington Heritage development, and at that time, my recollection is that we had to make a similar zoning change, we had to make a similar Comprehensive Plan change, and we needed quite a few more variations than this, but a number to make it work. This has really been what has happened in this area and has been in keeping with the trend of development.

With that said, I'd like Mr. Schwartz to acquaint you with some background on his company and discuss some of the other projects they're doing, and to briefly run through the proposal tonight.

Go ahead, Dave.

MR. SCHWARTZ: Thanks, Larry, and thank you, guys, for seeing us and hearing us. So, I want to thank Staff for working with us. It's been a process I think that probably began almost a year ago, so we've been kind of working our way through all the different departments and are glad to finally be here.

So, our company SFP Properties is an offshoot of Edward Schwartz & Company which was a residential developer that built a lot of stuff in Buffalo Grove, in Arlington Heights, back in the 70's, 80's, 90's, including on Frenchman's Cove, Arlington Terrace, a couple of buildings downtown as well. So, we've been involved in building the Village for quite sometime.

Lately, we've been doing these attached, built-for-rent communities, basically rental townhomes. So, this is going to be the fourth one we've been involved in. The first one was in Highland Park, fully occupied; Mount Prospect, fully occupied. We're under construction right now and in initial lease up in Northbrook. So, all very similar communities, multi-building townhome communities for rent rather than for sale.

This particular property is something we actually had our eye on for a while. It was off the market and I think another developer made a run at something else, and then as soon as it came back on the market we jumped on it. You know, part of the reason for that was, it was sort of very easy to see, okay, we think we can do our product here and really have it mirror directly what's across the street at the Lexington Heritage in terms of density and design and layout. We felt it would fit in really nicely with that property that's already there.

I believe, you know, initially, going back probably 20 years, what was contemplated on this property was another building, you know, similar to the Timber Court development. So, that would be I think a five or a six-story building, a much more actually intense residential use. So, we figured this was actually sort of probably a down-zoning to what I think was, even though it's currently zoned M, but what was actually contemplated as evidenced by an easement that's, you know, was part of the PUD condition for the Timber Court properties, that it would tie into this property assuming that it would be developed in a similar manner. It makes sense for the parking lots to tie together.

So, as I said before, we've been working on this for almost a year. Our Conceptual Plan Review was on June of 2024. We had the appearance for Architectural Review in September, the Affordable Housing Review in October. In November, we sent out mailers to all the same notification lists we had to do for the public hearing and did a little neighborhood Zoom. There were few people on it, it was a pretty brief meeting.

But ultimately, you know, we knew that there was, you know, R-6 Zoning on either side of this property and we were just looking to do a PUD substantially in accordance with R-6 and it fitted very nicely, so it seemed kind of like a natural for our product. It meets nearly all the standards of R-6. You know, the only variation we have is for density, but because we're doing the one on-site affordable unit, we thought that that bonus made sense. Then the only thing with the landscaping is, you know, the Fire or Engineering told us this, we had to have the hydrants in a certain location. So, we're not doing any less trees, we're just relocating the trees from those particular landscape islands to somewhere else on the property.

So, here is the site plan. You see each unit has two-car parking behind the garage, so you effectively have kind of a four-car parking right there at your unit, you know, two guest spots behind the garage. Then, there's 10 additional guest parking spaces for a total of a 4.41-to-one unit parking ratio which is pretty generous for this type of product.

The floor plans are what you see on a very typical kind of three-story

townhome unit where the first floor has got a garage and kind of a den/office/flex space, depending on, you know, who kind of moves into it, what it gets used for, a very flexible space, a nice, big, open living space on the second floor, and then three bedrooms on the third along with two baths. What we found over the course of doing these projects is it's a pretty even mix between, you know, young families or people just moving kind of to the suburbs from the city, maybe trying to see exactly where they want to live, testing out a neighborhood, or looking for something to buy. Obviously, we all know the housing market is very tight right now, so they're finding it a very convenient place to kind of rent and set up shop and set up roots in the suburbs, as well as it's also appealing to what I would call young empty nesters, people who are selling their house, maybe they're buying someplace else, maybe they're not, but they wanted to kind of downsize and move into something that's going to be less maintenance and less responsibility for them in a rental product. So, it's a pretty even mix between I would say those two.

Then, architecturally, you know, we just tried to do kind of a little bit of more of a modern version of what was done, you know, almost 10 years ago across the street. Color-wise, we tried to kind of echo the building that faces Country Lane and just kind of a typical three-story. The height is exactly the same as it is across the street to just kind of blend in as a nice little kind of townhome stretch on that west side of Arlington Heights Road. You know, we did get some comments from the Architectural Review Commission and these renderings do reflect that updated design. So, it's changed and then they said, you know, subject to Staff approval of the changes that were noted in that hearing, that we can just go ahead and proceed from there.

So, that's pretty much it. Here's a nice little, so this shows how it fits in from an aerial perspective. So, we really think it's, you know, it's basically the exact same mirror just like the north half of that Lexington Heritage.

CHAIRPERSON CHERWIN: Thank you, Dave.

MR. FREEDMAN: The other witness we have is Lynn Means who is our traffic consultant; who did the study that I'm sure you have and have reviewed and is available to answer any questions, as we are also, but --

CHAIRPERSON CHERWIN: Excellent.

MR. FREEDMAN: -- that would conclude our presentation.

CHAIRPERSON CHERWIN: Thank you both, gentlemen, appreciate it. We'll turn our attention, you guys can take a seat for a little bit, we'll probably come back to you for some questions, but we'll turn our attention to Staff presentation at this point.

MR. OSOBA: Thank you, Chair.

The subject property is located at the northwest corner of Old Arlington Heights Road and East Country Lane. The Petitioner is David Schwartz, as mentioned, with SFP Properties, LLC, and the proposal tonight is for a 24-unit, three-story townhome development on 1.84 acres. The townhomes are proposed to be for rent for three-bedroom units, and the architectural design of the townhomes received a recommendation of approval from the Design Commission in September of 2024.

So, the requested zoning action tonight based on the submittal is a planned unit development to allow a 24-unit townhome development consisting of four buildings on one zoning lot; a rezoning from M-1 Research, Development and Light Manufacturing District to R-6 Multiple Family Dwelling District; an amendment to the Comprehensive Plan to reclassify the subject property from "R&D, Manufacturing and Warehouse" classification to "Moderate Density Multi-Family" classification; a preliminary plat of subdivision to consolidate the subject

property into one lot; and there are those two variances as mentioned for density and landscaping which would be discussed a little bit later in this presentation.

This shows the area of the site bounded in red. The Timber Court Apartments are to the north, the Mill Creek Condos are to the east along with some single-family homes, the Lexington Heritage Townhomes are to the south, and the Arlington Executive Plaza is to the west.

This slide shows the existing future land use map of the Comprehensive Plan on the left and the proposed on the right. The existing designation is "R&D, Manufacturing and Warehouse," and the proposed designation is "Moderate Density Multi-Family." This change is consistent with the surrounding moderate density multi-family development along the North Arlington Heights Road Corridor.

This slide shows the proposed rezoning from M-1 on the left to R-6 on the right. The existing M-1 Zoning is a product of the efforts of the early 1990's to facilitate redevelopment of the corridor with office, research facilities, labs and other business uses. In addition to the M-1 District, the corridor also had an Overlay District meant to foster cohesive development along the corridor. This was never realized, and in 2005, the Village Board approved the Timber Court development to the north, and in 2016, the Lexington Heritage Townhome development was approved, and that Overlay District was repealed which allowed the underlying zone district to govern. Given the trend of redevelopment in the area, Staff is supportive of both the rezoning and the Comprehensive Plan amendment.

This slide shows the site plan with the townhomes configured in those four buildings. The site is accessed by two access points on East Country Lane. A new sidewalk is proposed along East Country Lane where there is none currently, and the sidewalk along Old Arlington Heights Road is being widened to a 10-foot multi-use path per the Village's Bike and Pedestrian Plan.

Based on the size of the property and the proposed R-6 Zoning, the maximum number of dwelling units on the site is 22, and the Petitioner is proposing 24 which requires that variation as was mentioned. While the density variation is for two units above the maximum, the actual density overage is 1.1 units which results in the two-unit overage because 0.1 units cannot be built. The Petitioner is proposing one affordable unit which allows a one-unit density bonus per the Inclusionary Housing Ordinance, and considering this density bonus, the actual density overage is 0.1 unit which Staff finds acceptable and is within similar density range of adjacent residential development. The Housing Commission recommended approval of the affordable housing plan submitted in November of 2024.

The site is adequately parked by providing 48 parking spaces and 10 guest parking spaces on the property. Code requires two spaces per unit which is accommodated by the two-car garage that's proposed in each unit. The Petitioner provided a traffic and parking study to assess the site access, on-site circulation, trip generation, and parking, and found that this 24-unit development will have minimal traffic impact and adequate parking is provided.

A cross-access connection has been provided by the Petitioner at the request of the Village. The Timber Court development that was approved in 2005 includes a condition of approval that states a cross-access easement shall be required along the south property line and shall be effectuated at the time that the properties to the south develop. As this is the property to the south and it is developing, the cross-access easement is required to provide additional interconnection between the sites and additional emergency service access.

A letter was received from an attorney representing the Timber Court Apartments stating that they will not be executing such a cross-access easement. This letter has been provided to the Plan Commission for reference. This would not impact the current petition before the Plan Commission tonight as it is required by ordinance that the Timber Court provide such cross access, and Village Staff has required the Petitioner to provide this reciprocal cross access and a condition of approval has been recommended by SDC to this effect.

This landscape plan shows the newly proposed landscaping and underground detention provided on the south and the west of the property. The Petitioner is requesting a variation to waive the requirement to provide trees within two of the landscape islands which are highlighted in red. Those are the two landscape islands that have fire hydrants, so Staff is supportive of their request to relocate those trees elsewhere on site.

The Staff Development Committee reviewed the proposal of a planned unit development to allow a 24-unit townhome development consisting of four buildings on one zoning lot; a rezoning from M-1 Research, Development and Light Manufacturing District to R-6 Multiple Family Dwelling District; an amendment to the Comprehensive Plan to reclassify the subject property from "R&D, Manufacturing and Warehouse" classification to the "Moderate Density Multi-Family" classification; a plat of subdivision approval to consolidate the subject property onto one lot; along with the following variations to Chapter 28, Section 5.1-6.2.b to allow an 80,150 square-foot lot size where a minimum lot size of 84,000 square feet is required, and Section 6.15-1.2.b to waive the requirement to provide trees within two of the landscape islands within the parking lot. The Staff Development Committee recommends approval of the application subject to those conditions that are on the slides that I can go through and are listed in the Staff report.

That would conclude my presentation.

CHAIRPERSON CHERWIN: Thanks, Dan.

MR. OSOBA: You're welcome.

CHAIRPERSON CHERWIN: Is there a motion to include the Staff report in the public record?

COMMISSIONER ENNES: I'll make that motion.

COMMISSIONER GREEN: I'll second.

CHAIRPERSON CHERWIN: A motion is on the floor.

All in favor?

(Chorus of ayes.)

CHAIRPERSON CHERWIN: Any opposed?

(No response.)

CHAIRPERSON CHERWIN: All right, the motion passes. The Staff report is included in the public record, thank you.

All right, so before we go to the public comment or public hearing and open that up, would anybody like to ask any questions before we get to that point?

COMMISSIONER ENNES: I have a couple of questions for Staff. Could you go back to the second one? I'm surprised there wasn't any parking, or actually the first question should be is there going to be any street parking allowed?

MR. OSOBA: There is not street parking allowed on East Country Lane or Old Arlington Heights.

COMMISSIONER ENNES: Okay, do you think with this kind of a development, something that I see with condo and townhome developments is there's never

enough guest parking. To me this is a perfect example of that, when parking isn't allowed on the street. I know you like to keep the streets narrower. Is there anywhere we can put parking into the east end, by the east end building on Old Arlington Heights Road?

MR. OSOBA: To access from east Old Arlington Heights Road?

MR. LYSICATOS: I think he means on the east side of the property, the closest.

COMMISSIONER ENNES: Somewhere along there, from the southern end of the property.

MR. OSOBA: There's a, I suppose there is area for it. The site is relatively tight in terms of how the detention and drainage is designed as there is underground detention that has been at least engineered at this point to accommodate what the impervious surface is. Adding more would, they would have to --

COMMISSIONER ENNES: On that southern end?

MR. OSOBA: Pardon?

COMMISSIONER ENNES: On the southern end?

MR. OSOBA: Correct, yes. The southern end has underground detention, yes.

MR. LYSICATOS: And to the Chair, one of the other aspects of this is there are two-car garages I believe for each unit, which means the driveways hold two cars in addition to that.

COMMISSIONER ENNES: I understand, but --

MR. LYSICATOS: So, we took that into consideration.

COMMISSIONER ENNES: -- in 10 years or so when the young couples, I mean, these three-bedroom units, you're going to have teenagers. It's pretty close to Buffalo Grove High School, you going to have teenagers in there, you're going to have extra cars. Then when you have guests, parking is tight. You know, not usually, but --

CHAIRPERSON CHERWIN: Having parties at BG?

COMMISSIONER ENNES: Well, I've put a couple of kids through BG so I know, and I've owned a couple of condominium type properties. Staff knows it's adequate?

MR. OSOBA: At this point, yes. Based on the Staff review of both the parking study and what the Petitioner has provided for additional guest parking over what code requires for the two spaces per unit, Staff is acceptable or finds the parking acceptable.

COMMISSIONER ENNES: Okay, that's all I have for right now.

CHAIRPERSON CHERWIN: Thanks, Terry.

Lynn?

COMMISSIONER JENSEN: No, I like the project. I really don't have any questions.

CHAIRPERSON CHERWIN: Okay, Kris, any questions at this point?

COMMISSIONER SCHURTZ: No questions.

CHAIRPERSON CHERWIN: Joe?

COMMISSIONER LORENZINI: No.

CHAIRPERSON CHERWIN: Bruce?

COMMISSIONER GREEN: No.

CHAIRPERSON CHERWIN: Okay, so I think what we'll do here is just open it up for public comment. So, we'll start on this side of the room and back. Any comments on this project?

(No response.)

CHAIRPERSON CHERWIN: No, okay. In the far back over here?

MR. CONDON: I guess I just have a question.

CHAIRPERSON CHERWIN: You have to kind of stand up to the podium, please.

MR. CONDON: I'm sorry, I just had a question.

CHAIRPERSON CHERWIN: Well, stand up to the podium, please.

COMMISSIONER GREEN: You'll have to identify yourself.

PUBLIC COMMENTARY FOR PC #24-015

MR. CONDON: Tom Condon. Was my letter included in the packet?

MR. OSOBA: So, the letter was not included in the packet because the packet goes out on Friday the week before, but it was provided as a printed copy to the Commissioners.

MR. CONDON: Oh, I just ask that the letter that I sent today be made part of the record.

CHAIRPERSON CHERWIN: Okay, did you get the name on the record?

MR. CONDON: It's Thomas J. Condon, C-o-n-d-o-n. That letter I believe you have in the packet and I think --

CHAIRPERSON CHERWIN: Okay, we have the letter.

MR. CONDON: Thank you.

CHAIRPERSON CHERWIN: Thank you.

In back? No? Gentleman in the -- anybody? You guys are all on the Petitioner's side, okay. So, I think we will at this point close the public hearing and come back for any additional comments or questions of Staff.

I guess one thing I would say is, you know, I do have, I do, you know, I'm doing a lot more work on these, too, where it's, you know, build-to-rent type of projects just like this. I think I brought that up in the subcommittee. So, I don't, I think it's a very nice project, I'm supportive of it.

I do think that, you know, with the parking and everything, there is a lot of pavement here and this is kind of how these are set up. I'm a little, I'd be a little concerned about over, you know, overdoing it on the parking. We have 10 guest spaces and we have two behind each unit. Given that it is, you know, a community, you know, there's some hope that, you know, if somebody had an overflow or something, there'd be some cooperation there, but I'm not overly concerned with it.

I guess one question for Staff on the connection point with the property to the north, Staff is setting that up as a requirement. What is driving that requirement?

MR. OSOBA: The driver of the requirement is the ordinance that was approved for Timber Court in 2005 requires that a cross-access easement be provided when this site develops.

CHAIRPERSON CHERWIN: I get that. I understand that. My question is, at this point, the way this site is developing, what's the practical purpose for requiring it?

MR. OSOBA: So, the practical purpose would be to have interconnection between the two sites and provide additional fire access. This site is only accessed from Country Lane Road. For an example, if Country Lane Road is blocked for some reason, there's additional

ways for a fire truck to obtain access to serve a fire within this development. So, there's emergency service requirements that the Fire Department looks at to make sure that we have adequate service roads to access various residential properties. So, that's the main driver, but also vehicular interconnection and reduction of curb cuts on Old Arlington Heights Road.

CHAIRPERSON CHERWIN: Okay, so yes, so the curb cuts on Arlington Heights Road, I guess as I'm looking at this, it's kind of like a U-shape off of East Country Lane. I mean, we have a lot of situations where, you know, there's only one way into a property potentially off of one road, so I guess I'm just a little concerned that we're, I mean, I get the ordinance, it says it and, you know, obviously the letter was submitted that Timber Court to the north is objecting to it.

MR. LYSICATOS: Well, to be clear, I believe they're objecting to billing their portion of it. I don't think they're really speaking to the East Country Lane development that's before you today. They don't want to have to build their section of the cross access essentially.

CHAIRPERSON CHERWIN: You can come to the -- yes, thank you, Dave.

MR. SCHWARTZ: Yes. No, we were told that the owner of Timber Court is against it, they're not against, we'll pay for it. That's not the issue. They don't want it. You know, it's my understanding the Village has the ability to enforce it and we're fine either way. We're happy to build it but, you know, there could be a lawsuit potentially.

CHAIRPERSON CHERWIN: Against you?

MR. SCHWARTZ: What?

CHAIRPERSON CHERWIN: Against you?

MR. SCHWARTZ: No, against the Village.

MR. LYSICATOS: We're pursuing this internally. In respect to what's in front of us today, we don't believe it really has any specific bearing on it. So, whether that's punched through or it's ended at the property line, it will be the same condition that we would propose either way essentially.

CHAIRPERSON CHERWIN: Yes.

MR. FREEDMAN: Whatever the Village decides in this regard, we're amenable. If they want it to be connected, we'll pay for it. If they don't want it to be connected, it doesn't have to be done. If they reach an accommodation with the other property owner and they want to make an emergency only, we'll be accommodating. Whatever is decided, by providing the access now as we've been asked to do by Staff, we've given you all your options. Ultimately, we'll do whatever the Village and the other owner work out.

CHAIRPERSON CHERWIN: Okay.

MR. SCHWARTZ: And I was merely just clarifying the position of the other property owner.

CHAIRPERSON CHERWIN: Yes, no, that's helpful. Yes, that's very helpful, thank you, Dave. Okay, so, I've done enough talking.

Bruce, any thoughts?

COMMISSIONER GREEN: No, I think it's a great project. I actually like the fact that you can walk in at grade and you're not putting the front door half up or a full height up and then you have a mountain to climb and all those concrete sidewalks. I like this a lot better and I think it's a good solution. I think when we first met, there was a different elevation. I like your elevation here and I think it's a good project.

CHAIRPERSON CHERWIN: Joe?

COMMISSIONER LORENZINI: I ditto. I think it's a good project. It fits in

nice with the rest of the development around there.

CHAIRPERSON CHERWIN: Okay, Kris, any questions from you?

COMMISSIONER SCHURTZ: I think it looks beautiful. I think it looks great.

CHAIRPERSON CHERWIN: And Lynn?

COMMISSIONER JENSEN: No, I don't have any questions. I think it's a great project for Arlington Heights.

CHAIRPERSON CHERWIN: Terry, you're in charge of the left side. Do you have anything?

COMMISSIONER ENNES: Yes. Sorry, I am hoarse. For Staff, was the cross-access agreement a requirement or a condition of Timber Court's development?

MR. OSOBA: It was a condition of approval of Timber Court.

COMMISSIONER ENNES: Okay, so when the property was bought, they were required to make this concession and now they want to go against it?

MR. OSOBA: When the property was developed, when they obtained their zoning entitlements for their planned unit development, that was a condition of their approval, which is fairly common for us.

COMMISSIONER ENNES: Right, yes. Right, makes complete sense. I don't understand why they're opposing it now, especially if there's a condition that it could be for emergency only like with a gate so that they don't have traffic always coming through there. Okay, I would like to see that kept as a condition.

I'm not familiar with development of rental townhome properties. If I could ask the Petitioner, David, what's the rental range on the property?

MR. SCHWARTZ: Yes, these are going to be right around $4,000, you know, give or take. You know, you get a little bit of premium for the end units and, you know, some street-facing and that sort of thing, but right around that range.

COMMISSIONER ENNES: Okay, and typically, what kind of lease terms are --

MR. SCHWARTZ: We only do a one-year lease.

COMMISSIONER ENNES: One?

MR. SCHWARTZ: Yes, yes.

COMMISSIONER ENNES: Okay, and when do you expect the development, if approvals go quickly, when do you expect the development to be completed?

MR. SCHWARTZ: You know, once we get in the ground and start construction, probably 15 to 18 months.

COMMISSIONER ENNES: 15 to 18, okay. It's a little quick.

MR. SCHWARTZ: Yes. Yes, they go pretty quickly.

COMMISSIONER ENNES: Okay, and you own the property now in fee?

MR. SCHWARTZ: No, we're contract purchasers.

COMMISSIONER ENNES: Okay.

MR. SCHWARTZ: So, yes, subject to, you know, zoning approval.

COMMISSIONER ENNES: On the condition of getting approval for zoning?

MR. SCHWARTZ: Yes, exactly. Yes, yes.

COMMISSIONER ENNES: That's all I have. I didn't hear anything on the affordable housing, is that a --

MR. OSOBA: We did not, but it's a condition in there that they're going to comply. I don't think there was any pushback on that; isn't that correct?

MR. SCHWARTZ: Yes, that's correct, but there hasn't been any in-depth discussion between us and the Village regarding what the rates, like what tier of the AMI, you know, area median income, but whatever they want we'll comply with.

COMMISSIONER ENNES: Okay, that's all I have. Just it sounds like a good project.

COMMISSIONER JENSEN: I have a couple of other questions to follow-up on some of what Terry asked. What are the other ancillary fees, charges and so forth that people would have to pay?

MR. SCHWARTZ: Basically, tenants pay their own utilities, but we cover all landscape, snow plow, everything like that. So, you know, trash functions just as it does in a single-family home, water as well.

COMMISSIONER JENSEN: Okay, great, thank you.

Now, of Staff, I've read this letter two or three times. Did the folks who are representing the Timber Court, did they give you any reason why they don't want to do this? Other than they say the language is vague and they don't want to do it, what's the rationale?

MR. OSOBA: The reason that they stated is the reason that they stated in the letter.

COMMISSIONER JENSEN: Which says your conditions are vague.

MR. OSOBA: That is the reason that they have given at this point.

COMMISSIONER JENSEN: Okay, thank you.

CHAIRPERSON CHERWIN: Is there a motion or do we want to do anything else? Say anything else? What does the left side have to say?

COMMISSIONER ENNES: Sorry.

CHAIRPERSON CHERWIN: That's okay.

COMMISSIONER ENNES: Is that condition in here?

CHAIRPERSON CHERWIN: Affordable housing? Affordable housing?

COMMISSIONER ENNES: For the cross access.

CHAIRPERSON CHERWIN: Yes, it's in the --

MR. OSOBA: It's in there.

CHAIRPERSON CHERWIN: Yes.

MR. OSOBA: Number four.

CHAIRPERSON CHERWIN: Number four.

MR. OSOBA: Yes.

COMMISSIONER JENSEN: So, I'll make a motion. Do you need a motion?

CHAIRPERSON CHERWIN: Sure, go ahead.

COMMISSIONER JENSEN: I'll make a motion.

A motion to recommend to the Village Board of Trustees <u>approval</u> of PC #24-015, a Planned Unit Development to allow a 24-unit townhome development consisting of four buildings on one zoning lot; a Rezoning from the M-1 Research, Development and Light Manufacturing District to the R-6 Multiple Family Dwelling District; an Amendment to the Comprehensive Plan to reclassify the subject property from the "R&D, Manufacturing and Warehouse" classification to the "Moderate Density Multi-Family" classification; a Plat of Subdivision approval to consolidate the subject property into one lot, with the following Variations:

1. **Section 5.1-6.2.B, to allow an 80,150 square-foot lot size where a minimum lot size of 84,000 square feet is required, and**
2. **Section 6.15-1.2.B, to waive the requirement to provide trees within two of the landscape islands within the parking lot.**

This recommendation is subject to resolution of the following:

1. **Final plat of subdivision approval shall be required.**
2. **The Petitioner must provide all required fees in accordance with the requirements of Chapter 29 of the Village Code.**
3. **Linkage fees, in accordance with Chapter 7 of the Municipal Code and the approval of the affordable housing plan by the Housing Commission on November 20, 2024, shall be required at time of building permit issuance.**
4. **The Petitioner shall provide a reciprocal cross access easement to the property to the north (Timber Court at 3400 North Old Arlington Heights Road) on the subject property. The access and easement shall comply with all Village codes and be recorded with the final plat of subdivision for the subject property.**
5. **The Petitioner shall locate aboveground utilities, transformers, or other similar utility company mechanical equipment in such a way that they are screened from public rights-of-way to be reviewed with the submission of building permits.**
6. **The Petitioner shall remove the depressed curbs and existing apron on the property and replace with full head curbs and restore the parkways with topsoil and seed or sod at the time of building permit.**
7. **IDOT approval shall be required for any work proposed within the North Old Arlington Heights Road right-of-way.**
8. **The Petitioner must comply with all of the requirements set forth in the September 24, 2024 motion of the Village's Design Commission concerning the approval of the design for the townhome buildings.**
9. **The Petitioner must comply with all requirements set forth in the November 20, 2024 motion of the Village's Housing Commission concerning the approval of the Petitioner's affordable housing plan for the development.**
10. **The Petitioner shall provide dimensions for the N.E.A. boundaries on the East Country Lane Townhomes' preliminary plat of subdivision dated (2/25/2025) for review and approval by Staff prior to the Village Board hearing.**
11. **The Petitioner shall provide public utility easements and the square footage for the two master meters on the East Country Lane Townhomes' preliminary plat of subdivision (dated 2/25/2025) for review and approval by Staff prior to the Village Board hearing.**
12. **The Petitioner shall provide the area of the utility easement to be vacated along the west property line on the East Country Lane Townhomes' preliminary plat of subdivision (dated 2/25/2025) for review and approval by Staff prior to the Village Board hearing.**
13. **The Petitioner shall comply with all federal, state, and Village codes, regulations and policies.**

DRAFT

COMMISSIONER JENSEN: And this is followed by recommendations 1 through 12.
COMMISSIONER GREEN: 13.
COMMISSIONER JENSEN: Oh, is there a 13? I'm sorry.
COMMISSIONER GREEN: There's 13 on the back. I want to make sure we got them all.
COMMISSIONER JENSEN: 13, 1 through 13.
CHAIRPERSON CHERWIN: 1 through 13.
Is there a second?
COMMISSIONER GREEN: I'll second it.
CHAIRPERSON CHERWIN: All right, the motion on the floor is for approval. Can we do a roll call vote, please?
MS. HITZEMANN: Yes.
Ennes.
COMMISSIONER ENNES: Yes.
MS. HITZEMANN: Green.
COMMISSIONER GREEN: Yes.
MS. HITZEMANN: Jensen.
COMMISSIONER JENSEN: Yes.
MS. HITZEMANN: Lorenzini.
COMMISSIONER LORENZINI: Yes.
MS. HITZEMANN: Schurtz.
COMMISSIONER SCHURTZ: Yes.
MS. HITZEMANN: Cherwin.
CHAIRPERSON CHERWIN: Yes.
All right, the motion passes. Congratulations to the Petitioners.
MR. SCHWARTZ: Thank you.
CHAIRPERSON CHERWIN: You have a positive recommendation, but we're a recommendation only, so you'll please work with Staff to, your next step is going to be at the Village Board, so they'll help coordinate that for you. Thank you very much for your time.
MR. FREEDMAN: Thank you.
CHAIRPERSON CHERWIN: There is no other petition in the public hearing on here. So, we'll move to other business of which there is none. Then the last section, IV.
Public Comment, on the agenda, would anybody in the public like to make a public comment?
(No response.)
CHAIRPERSON CHERWIN: Okay, I see none, so we'll move on.
Is there a motion to adjourn?
COMMISSIONER GREEN: I'll make that motion.
COMMISSIONER JENSEN: Second.
CHAIRPERSON CHERWIN: Okay, all in favor of adjourning?
(Chorus of ayes.)
CHAIRPERSON CHERWIN: Any opposed?
(No response.)
CHAIRPERSON CHERWIN: All right, motion passes. We're adjourned.
(Gavel pounded.)

CHAIRPERSON CHERWIN: Thank you, everybody.

(Whereupon, at 8:03 p.m., the public hearing on the above-mentioned petition was adjourned.)

DRAFT

STATE OF ILLINOIS)
) SS.
COUNTY OF KANE)

I, RON LeGRAND, SR., depose and say that I am a digital court reporter doing business in the State of Illinois; that I reported verbatim the foregoing proceedings and that the foregoing is a true and correct transcript to the best of my knowledge and ability.

_____
RON LeGRAND, SR.

SUBSCRIBED AND SWORN TO
BEFORE ME THIS _____ DAY OF
_____, A.D. 2025.

_____
NOTARY PUBLIC

DRAFT

APPROVED

MINUTES OF A MEETING OF
THE ARLINGTON HEIGHTS HOUSING COMMISSION
VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
NOVEMBER 20, 2024

IN ATTENDANCE:

Commissioners Present:	Ken Kiefer	Dave LoSavio	Gabriel Nagy
	William Delea	David Miller	
Commissioners Absent:	Janice Krinsky		
Staff Present:	Nora Boyer, Housing Planner/Staff Liaison		
Others Present:	Jessica Smart	Clearbrook Center	
	Annie Palubicki	Clearbrook Center	
	Paul Cusimano	Little City Foundation	
	Xochitl Soto	Shelter, In.	
	Fred Vogt	Senior Citizens Commission	
	Steve Raminiak	Senior Citizens Commission	
	Keith Moens	Village Resident	

I. CALL TO ORDER
The meeting was called to order at 7:00 pm by Chairman Kiefer.

II. ROLL CALL
Present: K. Kiefer, W. Delea, D. LoSavio, D. Miller, & G. Nagy
Absent: J. Krinsky

III. APPROVAL OF MINUTES
A motion was made by Commissioner Delea, seconded by Commissioner Miller to approve the minutes of the September 18, 2024 meeting with typographical corrections. The motion was approved unanimously by voice vote.

IV. NEW BUSINESS
A motion was made by Commissioner Miller, seconded by Commissioner Delea to move the New Business items up on the agenda. The motion was approved unanimously by voice vote.

A. Program Year 2024-2025 CDBG Applications to the Group Home Rehabilitation Grant Program from Clearbrook, Little City Foundation, and Shelter, Inc.

Presentations of CDBG grant requests were made by the three non-profit agencies that requested funding: 1) Clearbrook, 2) Little City Foundation, and 3) Shelter, Inc.

Clearbrook
The representatives from Clearbrook provided information about Clearbrook's service area and services the agency provides for persons with disabilities. Clearbrook provides services throughout their clients' lifetimes.

Ms. Smart and Ms. Palubicki presented their grant request for Clearbrook's Miner Street Community Integrated Living Arrangement (CILA) home. Funding was requested for a concrete ramp from the home to the backyard. This ramp would enable the current resident who uses a wheelchair to use the backyard and patio and make this area accessible to future residents who may have or develop mobility issues. Funds were also requested to make modifications to the home's kitchen to improve accessibility by the residents.

It was explained that there is a ramp from inside the garage to the interior of the home.

Commissioner LoSavio asked for a description of the modifications that would be made to the kitchen. Ms. Palubicki described the planned modifications.

Commission Miller asked how long Clearbrook has owned this house and how many houses Clearbrook has in Arlington Heights. Ms. Palubicki responded that Clearbrook has owned this home for about 4 years and Clearbrook owns a total of 6 CILA homes in Arlington Heights that have a total of 37 residents. It was said that residents tend to stay at CILA homes for 20 – 30 years. Clearbrook tries to support the residents in enabling them to stay as long as they can in the CILA homes.

Commissioner Miller asked where the funds for the project would come from if the CDBG grant was not approved. Clearbrook's response was that the funds would need to come from other program areas. Services would have to be reduced under those programs to cover the cost of these improvements.

Chairman Kiefer asked how many residents live in this home. The answer was 4 residents.

Commissioner Nagy asked if the residents pay for the CILA housing. The response was that the cost of the housing is provided under a program of the Illinois Department of Human Service, but Clearbrook is responsible for maintenance and capital improvements to the homes.

Little City Foundation
Paul Cusimano presented Little City Foundations' request for CDBG funding for backyard fencing and installation of a sport court (basketball half court) at their Euclid Avenue CILA. He said that Little City Foundation has been around since 1959, and he described their range of services to persons with disabilities.

Mr. Cusimano explained that the residents of the Euclid home would benefit from this recreational amenity because the home is on a relatively busy road making it difficult to get to recreational space without having to be driven. Facility vehicles are often parked on the driveway making it less usable for recreation. The fencing would provide enhanced safety.

Little City looks forward to the improvements enhancing the neighborhood. Mr. Cusimano said that they have discussed the fence with the neighbors who are in agreement with it being put up. He said that he will confirm that the sport court has also been discussed with the neighbors. There will be no lighting of the sport court.

Little City Foundation is contributing $5,000 toward the project and would not proceed with the project, at least not this year, without the CDBG grant.

Commissioner Nagy asked whether any improvements are needed to the interior of the home. Mr. Cusimano responded that the interior is in good shape at this time, and the priority for this home is currently on the exterior improvements. A usable outdoor space would extend the life of the indoor improvements.

Mr. Cusimano stated that like the Clearbrook homes, residents tend to stay in these homes for decades as their permanent homes. The CILA homes enable the residents to be part of the community, and they want to be good neighbors. The sport court will be professionally installed so that it will be long-lasting.

Commissioner Miller asked some questions about access of the home's residents to other recreational facilities. Ms. Cusimano stated that they have access to other recreational facilities but that time has to be scheduled and transportation needs to be provided. He commented that the residents want to use and enjoy their home just as other members of the community do, and the installation of the sport court is the kind of improvement that other households might make. The residents of the home would be able to invite their friends over as guests to use the sport court just as anyone else would invite friends to their homes to socialize.

Shelter Inc.
Ms. Xochitl Soto explained that the home provides housing for young men who are leaving the child welfare system. They attend school or work while learning life skills. Six young men reside in the home which was constructed as a duplex. The work proposed would be tuckpointing and the repair/replacement of brick and the structural lintel over the garage door. Ms. Soto went through the bids that have been received.

Chairman Kiefer asked how the neighbors have adjusted to the opening of this supportive living home at this location. Ms. Xochitl said that initially the neighbors had concerns because of the number of police calls to the location. However, she explained that it is the agency's policy to call the police whenever a resident does not arrive home when expected. This sometimes happens with young people for reasons that are not problematic beyond the lateness. She said that the neighbors now understand this. She said there is staff in the home 24-hours per day.

Ms. Boyer explained that the allocation for the Group Home Rehab program is $90,000 which is sufficient to cover all three projects leaving about $15,000 for contingencies. Staff is asking for approval on the scopes of work and approximate project costs. Multiple bids will be obtained for all work that will lead to the determinations of the final project costs. Ms. Boyer said that applications to the program are not normally received during the year. It would be expected any future requests would be made for the next funding year. All of these projects would be completed during this program year.

Mr. Nagy commented that the three projects would benefit a total of 15 persons which is about $5,000 per beneficiary. Commissioner LoSavio said that the permanent nature of the improvements would benefit the residents of the home over many years.

Commissioners commented that Little City Foundation's request for a sport court is unusual and may appear at first to be a luxury. However, the Commissioners recognized the health benefits to the disabled residents of having on-site recreational opportunities. Commissioner

Miller said that he is comfortable with the proposed projects. He said that he would be interested in hearing, in a year or two, how the sport court is being used. He thinks it makes sense for the property and residents, but would hope the agency would be open to reporting if it is or is not being used as expected. Commissioner Kiefer said that he appreciates that Little City is contributing to the project and that there are health and safety aspects in favor of the project.

A motion was made by Commissioner Miller and seconded by Commissioner Delea to approve the Clearbrook project for the ramps and kitchen at the estimated project cost of $41,600, the Little City Foundation fencing and sport court project at the approximate cost of $29,000, and Shelter Inc. project for brick/lintel repair and tuckpointing at the approximate cost of $5,250 with scopes of work as written and with the balance of funding in the Group Home Rehab Program to be available for contingencies such as price increases or unexpected situations during construction.

The Motion: Passed
Ayes: D. Miller, D. LoSavio, K. Kiefer, G. Nagy & W. Delea
Nayes: None
Absent: J. Krinsky

Chairman Kiefer thanked the agency representatives for what they do and for coming to the meeting.

B. 3310 & 3255 N. Old Arlington Heights Road Townhomes - Affordable Housing Plan Review

The petitioner was not present at the meeting. Ms. Boyer went to her office to see if there was a message from the petitioner. There was not.

The commissioners commented that the proposal is in full compliance with the Inclusionary Housing Ordinance. The affordable housing requirement is 1.2 units, and Commissioner Delea said that he appreciates that the .2 units will be provided as a fee. Chairman Kiefer commented that the affordable unit that is being provided is a 3-bedroom unit which is larger than we normally see and would accommodate a family.

Chairman Kiefer opened the discussion for public comment. Mr. Moens asked whether the finishes in the affordable unit not being the same standard as in the market rate unit is consistent with the Inclusionary Housing Ordinance. Ms. Boyer said that it is consistent and that finished in affordable units must be at least standard contractor grade.

A motion was made by Commissioner Kiefer, seconded by Commissioner Delea, to recommend to the Village Board of Trustees approval of the Affordable Housing Plan for the Old Arlington Row (3310 & 3255 N Old Arlington Heights Rd) development as meeting the requirements of the Inclusionary Housing Ordinance under the following conditions:

The Applicant is responsible to ensure that the Planned Development is and remains in full compliance with the requirements of Article XVII of Chapter 7 of Village Code, being the Village's Inclusionary Housing Ordinance, and the Village's Inclusionary Housing Guidelines, including, without limitations, the following:

a. Providing, at a minimum 5% of the total units in the Planned Development as affordable (1 actual on-site unit and .2 units as a fee-

in-lieu of actual units) in compliance with Section 7-1707(b)(2) of the Village Code and the Village's Inclusionary Housing Guidelines.

b. Ensuring compliance with all other provision of the Inclusionary Housing Ordinance and the Inclusionary Housing Guidelines as applicable.

The Motion: Passed
Ayes: D. Miller, G. Nagy, D. LoSavio, W. Delea, & K. Kiefer
Nayes: None
Absent: J. Krinsky

V. REPORTS

A. Status Updates on Inclusionary Affordable Housing Projects

Ms. Boyer reported on the developments as follows:

Crescent Place – Opened November 2023.

Grace Terrace – Went to Village Board in August. Approved 6 – 2 under the condition that it is a 2-story building. New plans were required for this change. To return to the Village Board for final consideration and ordinance.

Urban Street Group/International Plaza – Demolition is completed. They have extended their agreement to purchase the property and the MOU with the Village have been extended by 6 months to around March/April 2025. The affordable building that has been discussed is not on IHDA's list of applications for Low-Income Housing Tax Credits for 2025.

116-120 W Eastman – No update at this time.

Arlington Gateway – Construction is underway.

5 N Douglas – No update at this time.

Arlington 425 – Was granted a 6-month extension to the end of March 2025 to begin construction. They are updating plans and permits.

Berkshire Arlington Heights – Submitted to the Illinois Housing Development Authority (IHDA) for 2025 tax credits. This is the building proposed to be located on the bowling alley parking lot in the Hickory/Kensington area.

VI. OLD BUSINESS

A. Single-Family Rehab Program

Ms. Boyer reported that there is one project underway. It is project 2024-02/HE408. The work involves replacing water supply pipes in the basement. The project cost is under $10,000 and was approved by staff. The plumbing work has been completed. Some drywall needs to be repaired.

B. Arlington Heights Affordable Housing Trust Fund

Ms. Boyer provided the responses to the Requests for Expressions of Interest for the commissioners' review. Ms. Boyer also provided copies of the Trust Fund Ordinance which includes a description of the eligible activities. Ms. Boyer also reviewed the purpose of the Trust Fund as stated in the Ordinance. The emphasis is on creating or preserving dedicated (long-term) affordable units.

Ms. Boyer said that there were previous discussions around using the Trust Fund money for new construction rental housing. However, those types of projects have been coming forward without money from the Trust Fund. Ms. Boyer provided a list of the possible uses for the Trust Fund she has heard expressed. She is requesting feedback. The possible uses on the list are: 1) gap financing for new construction rental housing; 2) supporting at-risk, naturally occurring, market-rate, rental housing (NOAHs); 3) missing middle housing; 4) additional group homes; 5) senior housing needs including aging-in-place; and 6) Trust Fund administration.

Ms. Boyer said that a TEAMS meeting has been set up for December 4, 2024 with The Preservation Compact and Community Investment Corporations (both in Chicago). These organizations have a new website tool related to the preservation of existing rental housing and they administer rental preservation finance programs. Ms. Boyer will email the website address for the new tool which lists types of programs appropriate for different housing markets. Arlington Heights is a type 4 market under the tool. Ms. Boyer extended an invitation for two of the Housing Commissioners to attend the TEAMS meeting on December 4th.

Ms. Boyer provided information on a couple of other affordable rental preservation programs including the new property tax assessment program.

Ms. Boyer suggested that the Housing Commission could select a few of the potential uses for the Trust Fund and explore each at a Housing Commission meeting in an effort to work toward a recommendation for the Village Board. Chairman Kiefer agreed that it would be a good idea to adopt this as a strategic objective of the Housing Commission in 2025. He said that this is something the Village Board wants to see addressed in 2025 according to the Village Board's business plan to be discussed further at the next Housing Commission meeting. He emphasized that we need to be cognizant of the purpose and permitted activities as stated in the Trust Fund Ordinance. He said that he would be interested in looking in more detail at affordable housing preservation.

Commissioner Nagy stated that there is a need for housing preservation and also new construction. He said he would like to start having conversations with people interested in new creative business models and work toward a pilot project.

Commissioner Delea commented that the Village could begin with building on one of the Village-owned properties since the cost would be lower. Commissioner Miller commented that the Trust Fund presents an opportunity because it has few restrictions. He said his approach would be to possibly find a partner and determine how we could have the most impact on the greatest number of people. He suggested looking at the responses to the request for expressions of interest and working on narrowing down the options. He agreed with looking at what we are currently not seeing in terms of projects and weighing whether action should be taken in those areas. Chairman Kiefer suggested that after reviewing the materials, the Housing Commission may want to invite representatives from groups such as The Preservation Compact or Community Investment Corporation to future Housing Commission meetings.

Commissioner Miller asked how other communities use their Trust Fund money. Ms. Boyer said that some communities fund a program such as the Village's Single-Family Rehab Program. She said that several suburban Chicago communities are exploring how to use their new trust funds, and she asked the Metropolitan Mayors Caucus about convening a meeting on this topic.

C. Village Owned Properties and Proposed Development Strategy

There as a brief discussion of the Village-owned properties. The number of units that could be built on those properties is limited, but it could be a start. Commissioner Delea pointed to the information in the meeting packet that shows how more units can be put on lots.

Commissioner Nagy said that it would help to assemble large areas of land perhaps partially through donations. He said that he has been having conversations with Ben Schulman, a Partner with the Office of Housing Strategies which is a consultancy that unlocks barriers to affordable housing. Mr. Schulman is also a director of a5 Branding and Digital which is a communications and media design firm the focuses on healthy, sustainable communities.

Commissioner Kiefer said that there are other resources that could be brought into an affordable housing initiative such as the Federal Home Loan Bank's Affordable Housing Program.

D. Update on Joint Meeting with Senior Citizens Commission

Ms. Boyer said that a request for the proposed meeting needs to be made by the Senior Citizens Commission to the Village Board for authorization. Mr. Steve Raminiak introduced himself as a member of the Senior Citizens Commission. He said the Senior Citizens Commission is discussing aging-in-place and they want to have input on the Trust Fund. He said that as a part of having been certified by the AARP as an Age Friendly Community, they reached out to the community and determined that the greatest areas of senior need are: 1) affordable housing, 2) communication, and 3) transportation. He said that the Senior Commission is planning to hold some "listening sessions" at the end of January or February about what the senior affordable housing need actually is. The Senior Citizens Commission will return to the Housing Commission with the gathered information and data. He said that his guess is that much of the need is among seniors who are renting homes.

Mr. Fred Vogt from the Senior Citizens Commission offered that the sale of Village surplus properties could be a source of funding and combined with the Trust Fund money.

Commissioner Nagy commented that more multi-generational housing is being created. He said that multi-generational housing provides more community and benefits the members of the different age groups than age-segregated housing.

VII. OTHER BUSINESS

A. Next Meeting Date and Agenda

The Housing Commission will not meet in December 2024. The next regularly scheduled meeting date is Wednesday, January 15, 2024.

VIII. ADJOURNMENT

A motion was made by Commissioner Delea, seconded by Commissioner Nagy to adjourn the meeting at 9:07 pm. The motion was approved by voice vote.

APPROVED

MINUTES OF
THE VILLAGE OF ARLINGTON HEIGHTS
DESIGN COMMISSION

ARLINGTON HEIGHTS MUNICIPAL BUILDING
33 S. ARLINGTON HEIGHTS RD.
SEPTEMBER 24, 2024

Chair Kubow called the meeting to order at 6:30 p.m.

Members Present: Jonathan Kubow, Chair
John Fitzgerald
Kirsten Kingsley
Ted Eckhardt

Members Absent: Scott Seyer

Also Present: Tom Bassett-Dilley, Tom Bassett-Dilley Architects for *416 N. Lincoln Ln.*
Brian & Lindsay Landwehr, Owners of *416 N. Lincoln Ln.*
David Schwartz, SFP Properties for *East Country Ln. Townhomes*
Steve Hautzinger, Planning Staff

REVIEW OF MEETING MINUTES FOR SEPTEMBER 10, 2024

A MOTION WAS MADE BY COMMISSIONER FITZGERALD, SECONDED BY COMMISSIONER ECKHARDT, TO APPROVE THE MEETING MINUTES OF SEPTEMBER 10, 2024. ALL WERE IN FAVOR. MOTION CARRIED.

ITEM 2. MULTI-FAMILY REVIEW

DC#24-058 – East Country Lane Townhomes – 3310 N. Old Arlington Heights Rad.

David Schwartz, representing *SFP Properties,* was present on behalf of the project.

Mr. Hautzinger summarized Staff comments. The petitioner is proposing a new 24-unit townhome development on an existing vacant lot located at the northwest corner of Old Arlington Heights Road and East Country Lane. This project requires Plan Commission review and Village Board approval for Subdivision, Rezoning, PUD (Planned Unit Development), and a Density Variation. Because this project is going to the Plan Commission, the role of the Design Commission is limited to review of the architectural design only.

The proposed development will consist of four identical, three-story buildings, each with 6-units. The subject property is approximately 1.84 acres (80,150 square feet). To the south of the property are the Lexington Heritage townhomes consisting of nine buildings, which was approved by the Design Commission in 2016.

Overall, Staff feels the proposed design is nicely done. The massing, colors, and materials fit well with the context of the existing Lexington Heritage Townhomes across the street. The front and rear elevations are nicely designed and detailed with a variety of siding types that add interest to the design without being busy. However, there are two concerns for the Design Commission to evaluate. The main concern is the side (end) elevations which look monotonous with too much board & batten siding. It is recommended to raise the stone base to align with the rear elevation across the first-floor, which will help to break down the scale of the wall. Another item to evaluate is the proposed asymmetrical layout. Staff suggests moving the side-by-side entry doors to the center of the building to create a symmetrical and balanced appearance instead of the proposed asymmetrical composition. A Symmetry Study of this suggestion was provided in the Staff report. Staff recommends approval of the proposed design, with consideration of the two items for the commissioners to evaluate.

Mr. Schwartz was receptive to Staff's suggestions, which he felt looked better, as well as the idea to wrap the stone onto the side elevations. He said the buildings were designed with the neighborhood context in mind, but with a slightly more modern design approach. He had no further comments.

Chair Kubow asked if there was any public comment on the project, and there was no response from those in the audience.

The commissioners summarized their comments. **Commissioner Kingsley** said that overall, the petitioner has done a nice job with the design, making the buildings somewhat different than the surrounding developments. With regards to the entries, she asked if it will be a zero barrier entry, and **Mr. Schwartz** said that final grading has not been worked out but the intent is for a stoop at the front entry, but not a half flight of stairs. **Commissioner Kingsley** agreed with Staff's suggestion for symmetry across the building, and she asked the petitioner to clarify his comment about stone on the sides of the buildings. **Mr. Schwartz** said that stone could wrap around the side elevations up to the first-floor level, similar to the rear elevation, which **Commissioner Kingsley** supported. **Commissioner Kingsley** also asked if there will be any affordable units in the development, and **Mr. Schwartz** said there will be one affordable unit within the 24 total units. **Commissioner Kingsley** reviewed the colors and materials presented, and suggested the materials be simplified, with a suggestion to eliminate the horizontal siding on the front elevation.

Commissioner Eckhardt liked the design being proposed. He said the stone pilasters below

the six windows are nicely detailed, but the U-shaped stone pilasters that go up to the top of the second-floor windows feel awkward. On the side elevations, the spacing of the reveal strips on the center portion of the elevation should be revised to somehow tie in to the sill of the windows, bringing it all together. He liked the bay window bump out on the sides of the building, and had no concerns with the rest of the design. **Mr. Schwartz** agreed with the suggestions.

Commissioner Fitzgerald liked the project and said it is very nice overall. He agreed with the comments about the U-shaped stone on the front elevation, which he felt was a bit awkward; however, he would not vote against it as shown, and he was unsure how to improve it. He liked the faux wood siding underneath the windows on the front elevation, and he liked the color; it is interesting and adds another element, and he liked the idea that one color is being brought out of the design. He also liked the idea of adding more stone on the side elevations; however, he was bothered by how the gables on the rear elevation end in the middle of a window. He suggested changing the pitch on the rear gables to make the gable look like it is over the section of the two windows, which he acknowledged would be different than the gable on the front elevation. **Mr. Schwartz** commented that this would complicate the front-to-back roof structure, but he was not opposed to the idea. **Commissioner Fitzgerald** had no further comments and said this is a beautiful project.

Chair Kubow agreed with the comments given. It is a very beautiful and attractive building design that compliments the adjacent Lexington Heritage townhomes, but is a much improved, more current design. He agreed with both of Staff's comments, and he pointed out that it appears as though 'Monterey Taupe' is being used for all five materials in the 3D rendering, versus the 2D rendering that seems more consistent and focused on 'Aged Pewter'; there is definitely a different color between the 3D and the 2D renderings. **Mr. Schwartz** acknowledged this and said the intent is to keep it to just one color, and he liked the idea to use only one type of panel material, rather than the horizontal siding. He might introduce some panel siding on the rear elevations, instead of either the board and batten or the horizontal siding. **Chair Kubow** said he liked U-shaped stone detail on the front elevation, and **Commissioner Eckhardt** said he was okay with it as proposed.

Mr. Hautzinger asked for clarification on what was decided about the siding colors. The petitioner agreed to omit the Monterey Taupe color.

A MOTION WAS MADE BY COMMISSIONER ECKHARDT, SECONDED BY COMMISSIONER FITZGERALD, TO APPROVE THE ARCHITECTURAL DESIGN FOR THE EAST COUNTRY LANE TOWNHOMES TO BE LOCATED AT *3310 N. OLD ARLINGTON HEIGHTS ROAD.* THIS RECOMMENDATION IS BASED ON AND SUBJECT TO COMPLIANCE WITH THE ARCHITECTURAL PLANS RECEIVED 8/13/24, DESIGN COMMISSION RECOMMENDATIONS, COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND VILLAGE CODES, REGULATION AND POLICIES, THE ISSUANCE OF ALL REQUIRED PERMITS, AND THE FOLLOWING:

1. **A REQUIREMENT TO STUDY THE REAR ELEVATION END UNIT ROOF PITCH, TO PROVIDE FOR A GUTTER LINE THAT DOES NOT SIT ABOVE A WINDOW, TO BE SUBMITTED TO STAFF FOR REVIEW AND FINAL APPROVAL, OR RETURN TO THE DESIGN COMMISSION.**
2. **A REQUIREMENT THAT THE 'MONTEREY TAUPE' COLOR BE ELIMINATED FROM THE COLOR/MATERIAL PALETTE.**
3. **A REQUIREMENT TO ADD STONE ON THE SIDE ELEVATIONS TO BE AT THE SAME HEIGHT AS THE REAR ELEVATION.**
4. **A RECOMMENDATION TO STUDY THE SIDE ELEVATION REVEAL JOINTS TO**

DETERMINE A PATTERN THAT IS MORE IN KEEPING WITH THE RYTHYM OF THE WINDOWS, THE WINDOW HEADS AND THE SILLS, TO BE SUBMITTED TO STAFF FOR REVIEW AND FINAL APPROVAL.

5. **THIS REVIEW DEALS WITH ARCHITECTURAL DESIGN ONLY AND SHOULD NOT BE CONSTRUED TO BE AN APPROVAL OF, OR TO HAVE ANY OTHER IMPACT ON, NOR REPRESENT ANY TACIT APPROVAL OR SUPPORT FOR THE PROPOSED LAND USE OR ANY OTHER ZONING AND/OR LAND USE ISSUES OR DECISIONS THAT STEM FROM ZONING, BUILDING, SIGNAGE OR ANY OTHER REVIEWS. IN ADDITION TO THE NORMAL TECHNICAL REVIEW, PERMIT DRAWINGS WILL BE REVIEWED FOR CONSISTENCY WITH THE DESIGN COMMISSION AND ANY OTHER COMMISSION OR BOARD APPROVAL CONDITIONS. IT IS THE PETITIONER'S RESPONSIBILTY TO INCORPORATE ALL REQUIREMENTS LISTED ON THE CERTIFICATE OF APPROPRIATENESS INTO THE PERMIT DRAWINGS, AND TO ENSURE THAT BUILDING PERMIT PLANS AND SIGN PERMIT PLANS COMPLY WITH ALL ZONING CODE, BUILDING CODE AND SIGN CODE REQUIREMENTS.**

Commissioner Kingsley clarified that the board and batten reveals on the side elevation should turn and be on the rear elevation as well. She also said the motion did not include the elimination of the lap siding on the two outside bays on the front elevation, which the petitioner stated he would do. She suggested this be a recommendation in the motion and left up to the petitioner to determine whether to keep the lap siding as proposed or eliminate it.

Commissioner Eckhardt liked the lap siding as currently shown, but was not opposed to a recommendation that the petitioner consider replacing the horizontal siding on the two end units with the larger panels that are shown in the four interior elevations between the rooflines.

Mr. Hautzinger said that the revised configuration of the units to make a symmetrical front elevation was not included in the motion. **Commissioner Eckhardt** said the petitioner previously stated his support for this change, and he amended the motion as follows:

A MOTION WAS MADE BY COMMISSIONER ECKHARDT, TO AMEND THE MOTION TO ADD THE FOLLOWING:

6. **A REQUIREMENT TO CHANGE THE DOOR CONFIGURATION ON THE FRONT ELEVATION TO MOVE THE DOUBLE DOORS TO THE MIDDLE OF THE BUILDING TO CREATE A SYMMETRICAL APPEARANCE.**

Mr. Schwartz said he was good with this change, but asked that it be a recommendation instead of a requirement because there might be a reason why the Architect designed the door configuration as shown. **Commissioner Eckhart** said the amendment can be modified as follows:

6. **A REQUIREMENT TO CHANGE THE DOOR CONFIGURATION ON THE FRONT ELEVATION TO MOVE THE DOUBLE DOORS TO THE MIDDLE OF THE BUILDING TO CREATE A SYMMETRICAL APPEARANCE, UNLESS THE PLAN DOES NOT ALLOW FOR THAT CHANGE.**

COMMISSIONER KINGSLEY SECONDED THE AMENDED MOTION.

KINGSLEY,AYE; ECKHARDT, AYE; FITZGERALD, AYE; KUBOW, AYE.
ALL WERE IN FAVOR. MOTION CARRIED.

APPROVED

PLAN
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REPORT OF THE PROCEEDINGS OF A PUBLIC HEARING
BEFORE THE VILLAGE OF ARLINGTON HEIGHTS
PLAN COMMISSION

COMMISSION

RE: PC #24-015 - 3310 NORTH OLD ARLINGTON HEIGHTS ROAD - EAST COUNTRY LANE TOWNHOMES
PLANNED UNIT DEVELOPMENT, COMPREHENSIVE PLAN AMENDMENT, REZONING, PRELIMINARY PLAT WITH VARIATIONS

REPORT OF PROCEEDINGS had before the Village of

Arlington Heights Plan Commission Meeting taken at the Arlington Heights Village

Hall, 33 South Arlington Heights Road, 3rd Floor Board Room, Arlington Heights,

Illinois on the 26th day of February, 2025 at the hour of 7:30 p.m.

MEMBERS PRESENT:

JAY CHERWIN, Chairperson
LYNN JENSEN
KRISTEN SCHURTZ
JOE LORENZINI
BRUCE GREEN
GEORGE DROST
JOHN SIGALOS
SUSAN DAWSON

ALSO PRESENT:

MICHAEL LYSICATOS, Assistant Director of Planning and Community Development
DANIEL OSOBA, Development Planner
RACHEL HITZEMANN, Planner

APPROVED

CHAIRPERSON CHERWIN: I'll call the meeting to order here.
If we could please rise and state the Pledge of Allegiance?
(Pledge of Allegiance recited.)
CHAIRPERSON CHERWIN: All right, if we could please do a roll call, Dan or Rachel?
MS. HITZEMANN: Yes, I am.
Dawson.
COMMISSIONER DAWSON: Here.
MS. HITZEMANN: Drost.
COMMISSIONER DROST: Here.
MS. HITZEMANN: Ennes.
(No response.)
MS. HITZEMANN: Not here?
COMMISSIONER DROST: Ennes is not here.
MS. HITZEMANN: Green.
COMMISSIONER GREEN: Here.
MS. HITZEMANN: Jensen.
COMMISSIONER JENSEN: Here.
MS. HITZEMANN: Lorenzini.
COMMISSIONER LORENZINI: Here.
MS. HITZEMANN: Schurtz.
COMMISSIONER SCHURTZ: Here.
MS. HITZEMANN: Sigalos.
COMMISSIONER SIGALOS: Here.
MS. HITZEMANN: Cherwin.
CHAIRPERSON CHERWIN: Here.
All right, we do have a quorum and we will proceed with the meeting.
First up is an approval of minutes, Item III.A. for Urban Air at Arlington Plaza.
Do we have a motion to approve these minutes?
COMMISSIONER DROST: I'll make that motion to approve the minutes.
COMMISSIONER GREEN: I'll second that.
CHAIRPERSON CHERWIN: Okay, a motion is on the table to approve the minutes.
All in favor?
(Chorus of ayes.)
CHAIRPERSON CHERWIN: Any opposed?
(No response.)
CHAIRPERSON CHERWIN: All right, motion passes, thank you.
Item IV, we'll move on to Public Hearing. The first item on the agenda is East Country Lane Townhomes.
My understanding is that that has been postponed; is that correct?
MR. OSOBA: Yes, that's been postponed, and Staff is recommending that we postpone it to a date certain of March 12th.
CHAIRPERSON CHERWIN: Okay, so we'll take a motion to move that to

APPROVED

the date of March 12th.

Is there a motion for that?

COMMISSIONER GREEN: I'll make that motion.

COMMISSIONER SCHURTZ: Second.

CHAIRPERSON CHERWIN: Okay, all in favor of that motion?

(Chorus of ayes.)

CHAIRPERSON CHERWIN: Any opposed?

(No response.)

CHAIRPERSON CHERWIN: Okay, the motion passes. So, that has been rescheduled to March 12th, thank you.

(Whereupon, at 7:32 p.m., the public hearing on the above-mentioned petition was adjourned.)

APPROVED

PLAN
_____
_____
_____

REPORT OF THE PROCEEDINGS OF A PUBLIC HEARING
BEFORE THE VILLAGE OF ARLINGTON HEIGHTS
PLAN COMMISSION

COMMISSION

RE: URBAN AIR AT ARLINGTON PLAZA - 30 WEST RAND ROAD - PC #24-017
SPECIAL USE PERMIT FOR AMUSEMENT FACILITY, LARGE & SPECIAL USE PERMIT FOR RESTAURANT WITH VARIATIONS

REPORT OF PROCEEDINGS had before the Village of

Arlington Heights Plan Commission Meeting taken at the Arlington Heights Village

Hall, 33 South Arlington Heights Road, 3rd Floor Board Room, Arlington Heights,

Illinois on the 22nd day of January, 2025 at the hour of 7:30 p.m.

MEMBERS PRESENT:

JAY CHERWIN, Chairperson
LYNN JENSEN
KRISTEN SCHURTZ
JOE LORENZINI
BRUCE GREEN
GEORGE DROST
TERRY ENNES
JOHN SIGALOS
SUSAN DAWSON

ALSO PRESENT:

MICHAEL LYSICATOS, Assistant Director of Planning & Community Development
DANIEL OSOBA, Planner I
RACHEL HITZEMANN, Development Planner

CHAIRPERSON CHERWIN: All right, I think we can go ahead and get started.

(Gavel pounded.)

CHAIRPERSON CHERWIN: We'll call to order. If we could stand up and recite the Pledge of Allegiance together?

(Pledge of Allegiance recited.)

CHAIRPERSON CHERWIN: All right, thank you.

Dan, can we have roll call, sir?

MR. OSOBA: Yes, we can. Chair Dawson.

COMMISSIONER DAWSON: That's old.

MR. OSOBA: Oh, excuse me, Commissioner Dawson.

COMMISSIONER DAWSON: I'm just saying, did something just happen? Here.

MR. OSOBA: Sorry about that.

COMMISSIONER DAWSON: No, you're all good.

MR. OSOBA: Commissioner Drost.

COMMISSIONER DROST: Here.

MR. OSOBA: Commissioner Ennes.

COMMISSIONER ENNES: Here.

MR. OSOBA: Commissioner Green.

COMMISSIONER GREEN: Here.

MR. OSOBA: Commissioner Jensen.

COMMISSIONER JENSEN: Here.

MR. OSOBA: Commissioner Lorenzini.

COMMISSIONER LORENZINI: Here.

MR. OSOBA: Commissioner Schurtz.

COMMISSIONER SCHURTZ: Here.

MR. OSOBA: Commissioner Sigalos.

COMMISSIONER SIGALOS: Here.

MR. OSOBA: Chair Cherwin.

CHAIRPERSON CHERWIN: Here.

Thank you, Dan.

All right, noted that we have a quorum for our meeting.

I think the first agenda item we have is number III. Approval of Minutes for ICON Studio at 3375 North Arlington Heights Road. Is there a motion to approve those minutes?

COMMISSIONER DROST: I'll make that motion.

COMMISSIONER SIGALOS: I'll second.

CHAIRPERSON CHERWIN: Okay, all in favor?

(Chorus of ayes.)

CHAIRPERSON CHERWIN: Any opposed?

COMMISSIONER DAWSON: I'll abstain. I was not present.

COMMISSIONER JENSEN: I'll abstain, too.

CHAIRPERSON CHERWIN: All right, thank you.

Motion passes.

Our next item on our agenda will be our public hearings.

Okay, the first public hearing we have is for East Country Lane Townhomes. I would ask Dan, have all public notices been given on this?

MR. OSOBA: They have.

CHAIRPERSON CHERWIN: All right, thank you.

And do we have a Petitioner for that matter here? Oh, that one was has been delayed?

MR. OSOBA: Correct. So, public notice has been posted, but that one is going to be continued to a date certain of February 26th.

CHAIRPERSON CHERWIN: Okay, and the notice that was posted identifies that new date?

MR. OSOBA: It will identify that new date. We'll ask the Petitioner to update the sign posting on the site, but --

CHAIRPERSON CHERWIN: Okay.

MR. OSOBA: -- the mailing and the posting that went out was for this hearing.

CHAIRPERSON CHERWIN: Okay, good. Thank you, yes, sorry, I forgot I saw your e-mail and totally blanked on it.

So, we will move to the next public hearing which is Urban Air at Arlington Plaza, and I'll ask you about Urban Air, have the notices been given on that one?

MR. OSOBA: Yes, they have.

CHAIRPERSON CHERWIN: Okay, and I think we have some folks from the Petitioner here to speak on that. Anybody who's going to speak on behalf of Urban Air, if you wouldn't mind coming up to the podium here? I'll just have you swear an oath that we do here prior to the public hearing. So, you just raise your right hand.

(Witnesses sworn.)

CHAIRPERSON CHERWIN: Okay, you do, thank you. The Staff has provided a Staff report. Have you read the Staff report? There are certain conditions of approval that they've recommended. Do you agree with those conditions of approval?

MR. PIAZZA: Yes, I do.

CHAIRPERSON CHERWIN: You do, okay. All right, good. So, however you want to present, either one of you or all of you, feel free to go ahead and get started. Then once you're done, we'll move over to the Staff and hear their report. So, sir, go ahead. If you could please state your name whenever you speak, or you know, for those of you when you do come up, if you could state your name for our record and spell it, please?

MR. PIAZZA: Yes. I am Tom Piazza, P-i-a-z-z-a. I'm here speaking on behalf of Urban Air. I'm Tom, the construction manager or owner's rep for the project, and Charlie Oraham and Nino Hermes are the owners of Urban Air. We are petitioning to have a variance for a parking variance as well as a large amusement and restaurant.

The owners of Urban Air are located right here, there's pictures of them up there. Nino Hermes is actually a resident of Arlington Heights. Both of them are, actually it's a family-owned business, very excited to be putting an Urban Air inside of this community. Here we go.

For the parking variance, we are asking, we agreed with the seven-spot deficit that Dan and all of us have put together. However, we do feel like with the other tenants in our shopping center, we are at different times for peak times for our parking, and we did want to kind of make a note of that. Our hours of operation are more from the evenings,

Monday through Thursday; and Friday, Saturday and Sunday, we're more of an all-day where other businesses inside of the shopping center are closed during that time.

We offer a range of different attractions for the community. As part of the business, the tube slides, soft play area, the soft play area is best for smaller, younger children. Then we have stuff for older youths, teens and like that, for instance, go-karts, climbing walls, warrior course which is like a Jungle Jim type, parkour I think is what they call it type of course, dodge ball. So, there's group activities, that's all part of our attraction package that we offer.

We have posted out the signages on Rand Road and Arlington Heights Road. We've sent out notices to everybody. We do think that it is a strong community or strong, how do I put this, a strong asset to the community. We have a, it's particularly designed towards family and children.

They're dedicated full compliance, Urban Air requires us to be dedicated full compliance with all local codes and state codes, those governing maintenance and licensing of those attractions. So, we will be making sure we obtain all those licenses, maintaining those licenses. There's constant maintenance programs that get issued down from Urban Air as well as the state that we all comply with. We also will comply with all local health and safety regulations as well, so anything from the Health Department, Building Department, we are fully ready to comply with and agree with.

We have our full set of architectural and engineering plans, ready to submit for permits. We have actually just submitted those for permits. We're ready for plan review comments and make any adjustments that you require.

One of the concerns that was brought up is actually sound and sound mitigation. Currently, both sides of demising wall, they're going to be two-hour rated wall which kind of utilizes two of the sound principles for deadening noise, right. So, we've added density to the wall and then sound absorption material which is like our insulation that goes in between the walls. So, the extra layer of drywall, two folds, gets us our fire rating of a two-hour rating but also adds density to that wall and will actually help deaden the noise.

So, we feel like we are taking sound as a serious thing. However, our main thing or main issue with sound is actually children playing loud, you know, kids yelling and having fun. The go-karts are actually electric, so they don't produce a lot of noise which is a good thing. Slides, stuff of that nature, climbing walls, those don't really produce noise. But the kids are definitely not quiet. So, we went ahead and we did, you know, add that extra layer of drywall which is two folds because they're set to two-hour rating.

We feel like we are a great steward of the community. Urban Air provides employment for youth and young adults, and even adults that have managerial positions, all the way down to part-time positions. On average, we have 60 to 80 employees at one given time, from returning college students all the way down to high school students to even managerial positions for adults.

Urban Air enhances the area's friendly appeal, providing a safe and fun destination for children, by supporting local economic growth. We offer certification programs and offering regular and belaying programs for young adults for employees to learn so they will be getting certified in those types of areas. We offer events for non-profit fundraising, team-building events for adults, birthday parties, all safe places for the community to come and have, you know, have fun at. Urban Air provides a supervised safe space for children and adolescents to engage in activity play and socialize, making it a valuable addition to our community here.

We are also offering food services as part of the park package. So, it's not a destination restaurant, so you couldn't just come and actually eat at the restaurant without purchasing tickets to go in and to enjoy the amusements as well. It is a limited menu; however, we will follow all local Health Department rules and regulations for that limited menu.

That's basically it, guys. We want to thank you for your consideration on having us in Arlington Heights. We welcome any questions that you guys might have or any concerns and we'd be happy to address.

CHAIRPERSON CHERWIN: Thank you very much, Mr. Piazza. You can take a rest here for a second. We're going to turn this thing over to the Staff and see what Dan has to say.

Dan, go ahead.

MR. OSOBA: Thank you, Commissioner.

The subject property of this petition tonight is located at 30 West Rand Road which is the former location of Burlington Coat Factory within the Arlington Plaza Shopping Center. The property is zoned B-2 General Business District and identified as commercial on the Comprehensive Land Use Map.

The Petitioner is requesting two special use permits--one for "amusement facility, large" which is any amusement facility greater than 5,000 square feet, and one for a restaurant, both of which are in this tenant space. Two variations are requested, one to waive the traffic study requirement and one to reduce the parking requirement by seven spaces.

This slide shows the subject site in red within the Arlington Plaza Shopping Center which is a previously approved PUD. The Petitioner is not modifying any external features of this PUD; therefore, a PUD amendment is not required. The shopping center is at the northwest corner of West Rand Road in South Arlington Heights Road. There are several signalized and uncontrolled access points in and out of the site, and the property functions well from an access point of view, and traffic flows efficiently as designed. Parking within the PUD is shared with a total of 1,139 spaces available to all businesses.

This is a more detailed view that shows the proposed overlay that the Petitioner provided on an aerial image of the shopping center. Urban Air is proposing to occupy approximately 67,000 square feet of the former Burlington's which is highlighted in red. The main entrance will face Rand Road, and deliveries will occur in the rear as they did in Burlington's. The blue shaded area is 23,435 square feet, and it's a vacant remnant space that will be left over and unoccupied by Urban Air. In the evaluation of this petition, the SDC requested that the Petitioner provide further detailed analysis on the market study on the viability of this vacant remnant space.

The market study provided by the Petitioner shows that Urban Air offers a unique destination for kids and adults, and the demographic data provided within the study shows that viability. Staff agrees with the Petitioner that the space is deemed necessary for the public convenience at this location for both the amusement facility and the restaurant cafe, which realistically functions as an accessory to the amusement facility and less of a destination restaurant as the Petitioner indicated.

For the remainder space, the Petitioner postulates that this space could be utilized as a fitness facility, racket ball facility, or other fitness center for active adults. Alternatively, and at Staff's request, the Petitioner evaluated the space to determine that the smaller tenant space could be viable for smaller beauty salons, health and wellness facilities, studios, tutoring or smaller gymnasiums. Staff also agrees that the remnant space is viable based on the information provided by the Petitioner and in the market study.

Urban Air, as a business, intends to provide a variety of amusement activities as the Petitioner indicated. Party rooms are provided for groups, and walk-ins are welcome. The hours of operation are Monday through Thursday from 4:00 p.m. to 9:00 p.m., Friday from 10:00 a.m. to 9:00 p.m., and Saturday from noon to 8:00 p.m. The restaurant will primarily serve snacks, concessions, pizza, burgers and soft drinks. Alcohol sales are proposed and a liquor license would be required for any of those.

The two variation requests are to waive the requirement for a traffic study and to reduce the amount of parking required on the subject site from 1,146 to 1,139 spaces. Staff recommends approval of the variation to waive the traffic study as the site access is well defined, contains signalization, has access onto two major arterials, and is not being modified with this application. For parking, the Petitioner has provided a parking study that contained a survey of other Urban Air locations and a parking survey of Arlington Plaza Shopping Center as well. The study found that the shopping center was at peak parking on a Saturday afternoon with 23 percent of the spaces occupied. When adding the parking data from other Urban Airs to this baseline, the study determined that Arlington Plaza could see approximately 65 percent of the spaces occupied with this new Urban Air facility, which leaves a surplus of 393 parking spaces within the shopping center. The SDC, therefore, recommends approval of the parking variation to reduce the parking requirement from 1,146 spaces down to 1,139 spaces which is a seven-space deficit.

The SDC reviewed the proposed special use permit to allow an amusement facility, large, the special use permit to allow a restaurant on the subject property, the variation to Chapter 28 of the Municipal Code, Section 6.12-1 to waive the requirement for a traffic study, and the variation to Chapter 28 of the Municipal Code, Section 10.4-4 to reduce the parking requirement from 1,146 spaces to 1,139 spaces, and recommends approval of the application subject to the conditions in the Staff report and on the slide

That concludes my presentation.

CHAIRPERSON CHERWIN: Thank you, Dan, well done.

Is there a motion to submit the Staff report into the record?

COMMISSIONER GREEN: I'll make that motion.

COMMISSIONER JENSEN: Second.

CHAIRPERSON CHERWIN: All in favor?

(Chorus of ayes.)

CHAIRPERSON CHERWIN: Any opposed?

(No response.)

CHAIRPERSON CHERWIN: Okay, motion passes. Thank you. Well, I think given the fact that there isn't a huge public here, maybe what we'll do before we do initial questions unless anybody has a pressing question is open the public hearing for comments.

So, everybody okay with that? All right.

So, I'll open the public hearing. Is there any comment from the public on this project?

(No response.)

CHAIRPERSON CHERWIN: No, all right. Well, that was easy. We're going to close the public hearing and we will go to our questions of the Petitioners, from the Petitioners, or from the Commissioners to the Petitioners. Sorry about that.

So, we'll start down by Sue. Do you have any questions for our Petitioners?

COMMISSIONER DAWSON: Yes. I was just trying to look and see, I was trying to come up for questions, if there is, you talk about this being for kids, are there age limits?

MR. PIAZZA: Oh, age limits. No, there is no age limit. There are height requirements for certain attractions.

COMMISSIONER DAWSON: Meaning you have to be taller than, not shorter than?

MR. PIAZZA: Correct.

COMMISSIONER DAWSON: So, how does that work with liquor sales if we're going to have all these activities going on but people can also drink?

MR. PIAZZA: So, I'll let --

MR. ORAHAM: That will be 18 and older to get in because you've got to have an adult to sign a waiver.

CHAIRPERSON CHERWIN: Give us your name first.

MR. ORAHAM: My name is Charlie Oraham, sorry.

COMMISSIONER DAWSON: Yes, but what I'm trying to get at is I can go to the bar and then I can go get on a go-kart?

MR. ORAHAM: For like an adult?

COMMISSIONER DAWSON: Yes.

MR. ORAHAM: No.

COMMISSIONER DAWSON: So, that's what I was trying to get at. Is there an age limit? How are you restricting adults from doing the various activities?

MR. ORAHAM: No, the regulation from the franchise is if they drink any alcohol, they cannot use any go-karts.

COMMISSIONER DAWSON: Okay, so that's just generally monitored? I mean, I don't know how you would, how do you control that?

MR. ORAHAM: Honestly, I can't give you an answer right now. I can find out and let you guys know if it's a concern.

COMMISSIONER DAWSON: I'm just curious how it works.

COMMISSIONER ENNES: Could they wear a band or something if they're drinking?

COMMISSIONER DAWSON: I don't know. It's really your concern, I mean, that's a huge liability risk, right? So, that's why I was trying to see if, because everybody was talking about kids and kids and kids. I'm like, well, what's going to stop an adult from --

MR. ORAHAM: So, just like Chuck E. Cheese has beer and wine, it's the same kind of --

COMMISSIONER DAWSON: Yes, I'm not getting in a go-kart in Chuck E. Cheese though.

MR. ORAHAM: I understand that, no. I know a regulation in the waivers that any person that walks in, you're not supposed to drink any alcohol and go on the go-karts. The adults that get on the go-karts, it's got to be a smaller kid that can't reach the size and they're double carts. So, that's really the only time adults get on the go-karts is when they're going with a kid because it's got restrictions on height.

COMMISSIONER DAWSON: Wait, so you can't fit in a go-kart?

MR. ORAHAM: No, no, you can. There's double-widers.

COMMISSIONER DAWSON: It's the other way around.

MR. ORAHAM: So, the double-widers --

COMMISSIONER DAWSON: It's still the same restrictions, okay. I think you wanted to say something?

MR. HERMES: Yes. Hi, my name is Nino Hermes. As far as drinking --

COMMISSIONER ENNES: What is your connection?

MR. HERMES: I'm one of the owners as well, the President. So, I believe that you have a two or three-beer maximum per three-hour stay. I think you can only allow them to drink one beer per hour. So, it's not like they can come in and can drink, same as any bar, like you can only serve one beer per hour.

COMMISSIONER DAWSON: I've had more than one beer in an hour in a bar.

MR. HERMES: You're not supposed to technically. Anything over one drink in an hour, you're being over-served technically, but it's the same thing, they have a restriction, I believe a three-beer maximum on a three-hour stay.

COMMISSIONER DAWSON: So, you're monitoring that is what you're saying.

MR. HERMES: Yes. Yes.

COMMISSIONER DAWSON: And you keep saying they have a restriction, but it's you.

MR. HERMES: Yes.

COMMISSIONER DAWSON: Okay, because --

CHAIRPERSON CHERWIN: When you say they --

MR. HERMES: It's our responsibility to make sure.

CHAIRPERSON CHERWIN: It's corporate policy.

MR. HERMES: Yes, yes.

COMMISSIONER DAWSON: So, you're monitoring it. I mean, that's just really what I was getting at.

MR. HERMES: And, obviously, the person that is serving must be 21 or older to serve the beer. So, they're aware of how many beers they're giving out.

COMMISSIONER DAWSON: And they're kind of keeping an eye on it. I mean really, nothing against you, I'm just, adults are idiots and I can see --

MR. HERMES: Also, with the go-karts, we do have automatic shutoffs on them.

COMMISSIONER DAWSON: Okay.

MR. HERMES: If we feel that anybody is on a go-kart and they're not acting appropriately, we can shut them down and actually --

COMMISSIONER DAWSON: So, you'll have like staff trained to like --

MR. HERMES: Yes.

COMMISSIONER DAWSON: That's really all I was looking for.

MR. HERMES: Yes.

COMMISSIONER DAWSON: Is that you have some sort of, you're aware of the problem and that there is some sort of procedure to monitor it and ensure that, I mean, people just do stupid things.

MR. HERMES: We have full, Urban Air has a university where everybody has to be certified in any department that they work, especially when it comes to the zip-lining, the go-karts, there's always some type of certification. If they're not certified, they can't work that portion of the park.

COMMISSIONER DAWSON: Okay, so it's definitely, it sounds from what you're saying, there is a procedure, it is monitored. Yes, that's what I was looking for.

MR. HERMES: Yes, and I believe our liquor sales only account for about four percent of total sales as well.

COMMISSIONER DAWSON: Okay, I went down that path and I had another question. Oh, the sound proofing, how do we enforce that? Did you want to speak to us about that a little bit?

MR. OSOBA: So, it's up to the discretion of the Village if we receive complaints from anybody, from adjacent residents which there really isn't adjacent residential to any of this, but other tenants within the center or other shoppers within the center. I don't anticipate that being the case, but if it is the case, we want the Village to be protected in some way so that the Village has the discretion to require some level of sound proofing in addition to what they've already done if that is deemed necessary in the future.

COMMISSIONER DAWSON: Right, so we've been through this, you know, for a long time and the enforcement is always the issue, right? So, do we have the discretion? Yes. Do we have the ability to say to them put in sound proofing? Yes. What happens when they don't do it?

MR. OSOBA: It would be a code enforcement issue.

COMMISSIONER DAWSON: Do we shut them down?

MR. OSOBA: It would be, potentially, it would be up to the discretion of the Village.

COMMISSIONER DAWSON: I mean, that's really what I'm looking for here is, and just making sure it's on the record and it's been discussed, right, because the sound issue, I'm sure you have it addressed. It sounds like something you've been through before. This isn't the first time that one of these facilities has gone up in a shopping mall. We just have to ask, right?

MR. PIAZZA: No, it makes perfect sense.

COMMISSIONER DAWSON: And the concern I always have is enforcement, right? So, we say, we've seen it many, many times over the years where, you know, people start calling and complaining and then there's really not much the Village can do. So, I would just want to be sure that when we're doing this and we're putting this kind of waiver and not really digging too much into the sound proofing, that we do have the ability to enforce it if it becomes an issue. Okay, that's it.

CHAIRPERSON CHERWIN: Thanks, Sue.

John?

COMMISSIONER SIGALOS: Yes, I just have a question. Are there other similar Urban Air indoor amusement parks in the Chicago area?

MR. PIAZZA: Absolutely. There's one in Glenview, Vernon Hills.

MR. HERMES: Rockford, Crystal Lake.

MR. PIAZZA: Crystal Lake, Rockford.

COMMISSIONER SIGALOS: So, they've been in operation for a number of years?

MR. PIAZZA: Yes.

MR. HERMES: Riverside.

MR. ORAHAM: There's 300 parks now that are actually up and running.

COMMISSIONER SIGALOS: Okay, have you run into any sound issues

and complaints for any of these other Urban Air amusement parks?

MR. PIAZZA: I have worked on over 40 parks personally as a construction administrator, and we have not run into that scenario. So, we have been requested to add additional sound proofing and it's usually when we go to a two-hour rated wall versus a one-hour rated wall or a UL410 rated wall.

COMMISSIONER SIGALOS: If I can make a suggestion, I was a general contractor for many years, you can use sound-absorbing panels and materials that you put on a wall, then add another layer of drywall. That further reduces the sound and absorbs the sound and keeps it within your premises.

MR. HERMES: I wanted to say something as well. We're also in the restaurant business and we've had large entertainment. So, we've run across that where there's been issues of noise because of the bands that were playing. So, we're aware of what we need to do to kind of deaden some of that sound. There's a lot of things, and just like you mentioned, I was going to bring that up as well, there's a lot of barriers that you can do. There's, the more objects you put inside of any, it absorbs a lot more noise. So, they were cautious with where they kind of place the park attractions at, too, where the kids are yelling, where the slides are, where you can kind of condense some of that noise as well.

So, we've had the same scenario where we've had the bands playing on Friday nights and we've had neighbors that have complained and we managed to get rid of that. There's nothing louder than a band when you have the drums playing. We were able to address that issue. After 18 years, we haven't had a complaint and probably around 12 years as far as our sound.

MR. PIAZZA: In regards to Urban Air, all 300 locations were all completed by two different architects. So, there's only been two architects for all of those locations. So, when they've kind of developed this system program, they've really dialed it in. They're all pretty much the same parks.

COMMISSIONER SIGALOS: Okay, well, I'm glad to hear you have previous favorable responses to problems like this then.

MR. PIAZZA: Yes.

COMMISSIONER SIGALOS: Thank you. No, I think it's an interesting project and I really don't have any other questions at this point.

CHAIRPERSON CHERWIN: Thanks, John.

Terry?

COMMISSIONER ENNES: So, I'm not familiar with these operations, although I go to a lot of the towns that you're in, I'll have to look them up. My children are older. So, this is kind of like a Chuck E. Cheese on steroids.

MR. PIAZZA: Yes. Yes, exactly.

COMMISSIONER ENNES: Also, with older kids.

MR. PIAZZA: I don't know if Urban Air would appreciate that, but I definitely understand where you're coming from.

COMMISSIONER ENNES: You've got younger kids and teens which --

MR. HERMES: This is a little bit different only because we have kids that are exercising and they're running around and they're playing, so they're getting exhausted. The difference is a lot of these family members now, they kind of have pulled away from their kids. They're sitting on their video games and playing these games where they're just sitting there. They're not getting their exercise. When they're coming by us, they're spending two hours, an

hour to three hours of running around so they're exhausted. So, they're getting a lot of exercise they normally wouldn't get by going to a Chuck E. Cheese or going to a lot of these other places where they just have video gaming and that's about it. So, there's a big difference of how we kind of differentiate ourselves from Chuck E. Cheese.

MR. PIAZZA: Yes. Actually, video gaming is not allowed actually inside of an Urban Air.

COMMISSIONER ENNES: It sounds like it will be a great use of a large facility.

MR. PIAZZA: Yes.

COMMISSIONER ENNES: Right, you've got it set down. So, sounds good to me.

CHAIRPERSON CHERWIN: George?

COMMISSIONER DROST: Yes, what kind of seasonality is there to your audience?

MR. PIAZZA: Great question, because hours of operation are subject to change based off of seasonalities, right? Holidays, hours when your kids are off school, the hours will expand a little bit. Then when they go back into the school, the hours condense back onto what our normal hours of operation are. Same with summertime.

MR. HERMES: Our slowest season is going to be summertime, but that's when we kind of approach more of the summer camps, things like getting the churches involved in the summer camp just to bring the larger groups in because we do teeter off a lot. I think there's about a 30 percent drop-off during summertime. So, that's when the summer camps are where we, you know, we give them more promotions and do more things for the community as well.

COMMISSIONER DROST: I was just kind of trying to tie in to Mr. Piazza's statement earlier about the parking so that sometimes there's more demand in the parking area and less demand in the summer. You know, your air conditioned, maybe people want to go, and sometimes the weather gets cold here and people want to get their kids out of the cabin fever state. So, there is some advantage to it and you guys can monitor that.

MR. PIAZZA: Yes.

COMMISSIONER DROST: Yes, or you have got that experience. What's a value package? Tell me, sell that to grandpa.

MR. PIAZZA: Yes. Well, are you talking about total investment to Urban Air park, or --

COMMISSIONER DROST: No, just from the standpoint of, okay, I got three wild grandchildren or 12 of them or whatever. What kind of deal can you make?

MR. PIAZZA: Oh, if you're a patron.

COMMISSIONER DROST: You know, market, do some marketing right now.

MR. PIAZZA: There you go.

MR. ORAHAM: So, there's different packages for the attractions that they can go into. It usually starts around $15 and go all the way up to $30. Some are unlimited time which is considered a three-hour package, and then there's a one-hour package. We do have memberships, so just like adults have, you know, health club memberships, we have a kid membership where it's $30 a month and they can come unlimited, and they can bring family or friend every time they come in, with that package. So, they're not coming alone, if you've got one

kid, they can bring a friend for free with that membership.

COMMISSIONER DROST: Good, and there's no restrictions on really old people driving the go-karts.

COMMISSIONER GREEN: It will be fun.

COMMISSIONER DROST: Yes, you know, we go to Alexei for the test or what.

MR. PIAZZA: Yes.

COMMISSIONER DROST: The other question I've got, on a serious note, is the landlord advised of this petition and have you had contact with them? Whatever you bring back, the Jack and the beanstalk and, you know, what the heck were you guys doing that night?

MR. PIAZZA: Yes. He's been very involved actually.

COMMISSIONER DROST: Good.

MR. PIAZZA: So, yes, we have been involved with him very much so. He's actually checked several times on the status of our SUP and where we're at in regards to obtaining it and to make sure everything is still moving forward.

COMMISSIONER DROST: Yes, and this is sort of a policy or procedure that we're trying to adopt, that without the landlord, we want to make sure that there is a sense of communication so that you don't really do anything that might jeopardize an approval here.

MR. PIAZZA: Yes, yes, absolutely.

COMMISSIONER DROST: Okay, I'm done. Thank you.

MR. PIAZZA: Thank you.

CHAIRPERSON CHERWIN: Thanks, George.

Bruce?

COMMISSIONER GREEN: When you guys came to the Conceptual Plan Review, I was there and I was very impressed with this. So, this is something my grandkids are going to love.

MR. PIAZZA: Yes.

COMMISSIONER GREEN: The go-karts, oh, my God, and it's $30 a month, I'd like to take this information home. For unlimited, is that what you're saying, per kid?

MR. PIAZZA: Yes.

COMMISSIONER GREEN: Oh, my God, this is great. You can tell I'm enthusiastic; I think it's great. Also, the sound thing is not as much of a problem. It is a shopping center; it is a distance away from residential because that's where your trouble comes. You've put the two-hour wall between you and the space you didn't take, and you also, hats off to your architect, you've put those rooms up there as a buffer to the space. That's not, you're not taking in the corner.

MR. PIAZZA: Yes.

COMMISSIONER GREEN: Anyway, it's great. It's a great plan; I think it's going to work wonderfully here in Arlington Heights. So, welcome.

MR. PIAZZA: Thank you. Thank you.

CHAIRPERSON CHERWIN: Thanks, Bruce.

Joe?

COMMISSIONER LORENZINI: Yes, Dan, I have a question for you. So, the parking count, are you, typically for a, let's say an office building or a doctor's office, you expect so many persons or cars per square foot. So, I assume the count for this project, because one driver may take three or four kids, so how many, how does that differ from like an office or a

doctor's office?

MR. OSOBA: Sure. So, the parking requirements for this are broken off by the type of uses that are within the overall use of Urban Air which is several different pieces here. So, there is a recreational facility which is a section of code that encompasses a larger portion of what Urban Air is, and the parking requirement for a recreation facility is just 30 percent of the occupancy. The occupancy is determined by the architect and they provided that information to us.

The second piece of that is for the restaurant component which is their cafe, and that's one space per 45 square feet of the restaurant seating area. Then the last bit is one space per 300 square feet of the amusement device arcade, so there's portions of it that are less of a recreation facility and more of like an arcade. That's minimal, but that still was taken into account. So, it's a calculus of all of those things into one.

COMMISSIONER LORENZINI: Okay, Dan, thank you for that.

For the Petitioner, it is a great project and hopefully wildly successful, but what happens if you get too many people coming in? Is there reservations or how is that controlled? If everybody buys a pass and then they all decided to come at once, how is that getting handled?

MR. ORAHAM: Yes, the most I've seen I think on memberships for the busier parks, I want to say it's like 270 and change I think or something like that. So, it's not like, you know, you're not going to get 1,000 people that sign up and then show up at one time. Most, when you get the membership, I think the number was 1.8, so they come in at most two times a month. But if they're coming in, they're still saving half the money at that point. If you come in, you know, twice, you save 30 bucks.

MR. PIAZZA: But in the event that it does happen, they are all checked in, so we have a running count of it so we know exactly how many people are going to be present inside of the park so that we can limit the flow. If there is too many, we won't go over the occupancy requirements.

COMMISSIONER LORENZINI: Okay, thank you. That's all I have.

MR. HERMES: There is also a time restriction on how long they can be at the park. So, at any point, if you have maximum capacity, it's constantly changing. So, for 20 people to leave that have been there for an hour and a half, 20 more people are allowed back in, and that's if you have maximum capacity throughout the day.

CHAIRPERSON CHERWIN: Can you explain that real quick? The time limit, how do you enforce that?

MR. HERMES: There's a, for the wristbands, they're timed.

CHAIRPERSON CHERWIN: Oh, so they're --

MR. HERMES: So, they're like off where they're not allowed in certain areas of the park. Also, once it shuts down, they can't scan in to get into the sections.

CHAIRPERSON CHERWIN: Got you. So, Bruce can't hang out for 12 hours.

MR. PIAZZA: Yes, right, exactly.

CHAIRPERSON CHERWIN: There goes that --

COMMISSIONER GREEN: I only get three beers.

CHAIRPERSON CHERWIN: Yes, what are you going to do?

COMMISSIONER DAWSON: Not even for an hour-and-a-half.

CHAIRPERSON CHERWIN: Right, that's true.

MR. HERMES: Also, the ID cards, they're all color coordinated, so they know the color blue, your time is up, start making your way to the exit.

CHAIRPERSON CHERWIN: Okay, Bruce, did you have another follow-up question on that?

COMMISSIONER GREEN: No, I was going to say if business gets that good, you just take over the rest of the shopping center.

MR. PIAZZA: Exactly, exactly.

COMMISSIONER GREEN: That's the solution.

CHAIRPERSON CHERWIN: I like it.

Kris?

COMMISSIONER SCHURTZ: I don't really have any questions, but it was funny, I was talking to a friend today who is a principal in Houston and they're not in school because they have snow and they don't know what to do, but I was telling her about Urban Air and she goes we have an Urban Air in Katy, Texas. She goes the kids love it, she goes that is where everybody has their birthday parties, and she is in a huge school. So, I think this would be a great addition to Arlington Heights.

MR. ORAHAM: That's where the franchise was started was Texas.

COMMISSIONER SCHURTZ: Really?

MR. ORAHAM: So, that's where their headquarters are.

COMMISSIONER SCHURTZ: There we go, there we go. I think it's a great idea.

CHAIRPERSON CHERWIN: Thanks, Kris.

Lynn?

COMMISSIONER JENSEN: Yes, I also think it's a great project and I'm in favor of it. I just wanted to ask Staff on one thing. You did reference just briefly the remaining space. They don't have any obligations relative to the extra unleased property at this point?

MR. OSOBA: No, they do not.

COMMISSIONER JENSEN: Okay, great. I don't have really any questions; I think it's a good project.

CHAIRPERSON CHERWIN: Yes, I saw it in the subcommittee; I thought it was good. I would just say, you know, make sure, you know, we're a recommendation body here, so if you make it to the Village Board, they may have some follow-up questions. Commissioner Dawson brought up some good questions about sound. Make sure, you know, we have the details on that, and the alcohol, you know, limitations. So, whether it's, you know, maybe lean on your corporate group for how they handle it, maybe in policies, so you can present that to the Village Board if it comes up would be good.

I'm not too concerned about the sound. I think, you know, particularly with the landlord as well, you know, the landlord is going to have an incentive to make sure this works out, too, because, you know, other --

MR. HERMES: The landlord was involved. He had to approve all the drawings as well.

CHAIRPERSON CHERWIN: Yes.

MR. HERMES: So, they reviewed them before we could actually submit as well.

CHAIRPERSON CHERWIN: Yes, okay. Well, I think that will help in making sure everything is good. The only question I did have was I looked at, I don't think I heard

this in the presentation but I'm just curious, as I look at the go-kart, can you just clarify briefly sort of the safety precautions, you know, if we have these moving go-karts going around, we don't want some kid walking by getting smoked by some out-of-control go-kart. So, what is your barrier and sort of safety precautions to that?

MR. PIAZZA: There's actually safety ropes and it's all got barriers that are roughly about four-foot tall on the ground level portion, but most of it is actually up in the air, second-story height-wise that are going up and down.

CHAIRPERSON CHERWIN: And in the elevated sections, what's the precaution there? Is there like a padding or barrier?

MR. PIAZZA: It's actually all plywood constructed and those are the barriers. So, it's all wood-frame plywood constructed.

CHAIRPERSON CHERWIN: Okay.

MR. ORAHAM: So, because they're electric, too, you can't even go top speed on certain corners. They know automatically, it slows down by itself.

CHAIRPERSON CHERWIN: Got you.

MR. ORAHAM: So, and then if there's other like, you know, an accident or anything, we have the switches to turn it off on the spot because they're all electric.

CHAIRPERSON CHERWIN: Okay, all right, thank you. Anybody else have any --

COMMISSIONER DROST: No, but I'll go ahead and make a motion if you want.

CHAIRPERSON CHERWIN: That would be just fine, George. Please do.

COMMISSIONER DROST: Yes, I'll make a motion.

A motion to recommend to the Village Board of Trustees <u>approval</u> of PC #24-017, a Special Use Permit to allow a large amusement facility on the subject property, a Special Use Permit to allow a restaurant on the subject property, and the following Variations:

1. **A Variation from Chapter 28, Section 6.12-1 to waive the requirement of a traffic study;**
2. **A Variation from Chapter 28, Section 10.4-4 to reduce the parking requirement from 1,146 parking spaces to 1,139 parking spaces.**

This recommendation is subject to the resolution of the following:

1. **The Petitioner shall obtain a liquor license for any alcohol to be served on the premises.**
2. **The Petitioner shall provide interior sound proofing if noise complaints occur within the shopping center or on adjacent properties at the discretion of the Village.**
3. **The Petitioner shall comply with all federal, state and Village codes, regulations and policies.**

CHAIRPERSON CHERWIN: All right, is there a second for that motion?

COMMISSIONER GREEN: Second.

CHAIRPERSON CHERWIN: All right, we've got a second.

Dan, if we could please do a roll call for approval of this motion?

MR. OSOBA: Commissioner Dawson.
COMMISSIONER DAWSON: Yes.
MR. OSOBA: Commissioner Drost.
COMMISSIONER DROST: Aye.
MR. OSOBA: Commissioner Ennes.
COMMISSIONER ENNES: Yes.
MR. OSOBA: Commissioner Green.
COMMISSIONER GREEN: Yes.
MR. OSOBA: Commissioner Jensen.
COMMISSIONER JENSEN: Yes.
MR. OSOBA: Commissioner Lorenzini.
COMMISSIONER LORENZINI: Yes.
MR. OSOBA: Commissioner Schurtz.
COMMISSIONER SCHURTZ: Yes.
MR. OSOBA: Commissioner Sigalos.
COMMISSIONER SIGALOS: Yes.
MR. OSOBA: Chair Cherwin.
CHAIRPERSON CHERWIN: Yes.

All right, well, the motion has passed, and so you have been given a recommendation for approval of your petition. So, we're a recommendation body, this will move to the Village Board for final approval, and Dan can help you figure out when that's going to be and how to go through that process. So, congratulations.

MR. ORAHAM: Thank you.
MR. HERMES: Thank you.
CHAIRPERSON CHERWIN: And good luck. You're welcome.
MR. PIAZZA: Thank you, guys; thank you very much.
CHAIRPERSON CHERWIN: Sure, good luck.

Okay, so let's see, we're going to move on to other business.

MR. OSOBA: Pardon me, Chair?
CHAIRPERSON CHERWIN: Oh, yes?
MR. OSOBA: I believe we may need to go, before we move on, going back to the East Country Lane Townhomes, I believe we need a vote to, a motion and a second and a vote to continue it to a date certain.
CHAIRPERSON CHERWIN: Yes.
MR. OSOBA: And a notice that this would be the last notice of that public hearing on February 26th.
CHAIRPERSON CHERWIN: All right, so good procedural point there.

Do we have a motion to continue as Dan has suggested?

COMMISSIONER GREEN: I'll make the motion to continue the East Country Lane Townhome project to a date certain.
COMMISSIONER DAWSON: Second.
COMMISSIONER ENNES: I second that.
CHAIRPERSON CHERWIN: All right, why don't we do a roll call vote?
MR. OSOBA: Commissioner Dawson.
COMMISSIONER DAWSON: Yes.
MR. OSOBA: Commissioner Drost.

COMMISSIONER DROST: Aye.
MR. OSOBA: Commissioner Ennes.
COMMISSIONER ENNES: Yes.
MR. OSOBA: Commissioner Green.
COMMISSIONER GREEN: Yes.
MR. OSOBA: Commissioner Jensen.
COMMISSIONER JENSEN: Yes.
MR. OSOBA: Commissioner Lorenzini.
COMMISSIONER LORENZINI: Yes.
MR. OSOBA: Commissioner Schurtz.
COMMISSIONER SCHURTZ: Yes.
MR. OSOBA: Commissioner Sigalos.
COMMISSIONER SIGALOS: Yes.
MR. OSOBA: Chair Cherwin.
CHAIRPERSON CHERWIN: Yes.

Thank you. All right, motion passes, thank you.

The only other business, I would just want to say welcome to our new member, Kris Schurtz over here, sitting between Joe and Lynn. We're very excited to have her on board. Mary Jo was awesome and we will miss her, she brought a lot to the table, but we are very happy to have you on board. So, welcome.

COMMISSIONER SCHURTZ: Thank you.
CHAIRPERSON CHERWIN: Looking forward to it, thank you.

All right, so let's see, we will open up the floor for general public comments.

MS. HITZEMANN: I have another -- sorry to interrupt, I have another Commission business.
CHAIRPERSON CHERWIN: Yes?
MS. HITZEMANN: We are in discussion of having a re-organization for the Plan Commission. So, we would like to have a vote for a new Chair and Vice Chair. It doesn't mean that you can't continue to be Chair, but just to vote on it as it should be done every year. We figure now that we have a new Commission member, it would be a good time to introduce that, as well as anybody who would like to get off or get on one of the subcommittees, we are looking to hopefully do this vote at the next meeting so it will give you some time to think about it. If you would like to be the Chair, Vice Chair, would like to be on one of the subcommittees or not be on one of the subcommittees, it gives you time to think about that for the next meeting. So, I just want to let you know that that's in the works.
CHAIRPERSON CHERWIN: All right, well, thank you.
COMMISSIONER DROST: Will there be an inaugurational ceremony? Party?
MS. HITZEMANN: I'll think about it.
CHAIRPERSON CHERWIN: Several inaugurals, you have to go from party-to-party, George.
MR. LYSICATOS: There's a little bit of budget for that.
MS. HITZEMANN: Yes.
CHAIRPERSON CHERWIN: George has finally engineered his coup.
COMMISSIONER DROST: Hard to get back the capital.

COMMISSIONER GREEN: They saved it on the salary thing.
COMMISSIONER ENNES: Wait, you haven't been Chair that long, right?
CHAIRPERSON CHERWIN: I have not, but obviously I've been underperforming.
MS. HITZEMANN: No, I'm not saying that you can't continue.
CHAIRPERSON CHERWIN: Kidding.
MS. HITZEMANN: You can vote for the same Chair, but we do not have a current Vice Chair, so we need to vote for that. You can definitely vote for Jay again but it should be done yearly as a --
COMMISSIONER ENNES: Prior to that meeting, would Staff send us a list of who's on what?
MS. HITZEMANN: Yes, yes.
CHAIRPERSON CHERWIN: We don't have, like she said earlier, we don't have a Vice Chair. You know, I've had to recuse myself from time-to-time, so it would be good to have an official Vice Chair, or you know, if somebody else wants to run, then let me know and I'll nominate you.
COMMISSIONER DAWSON: I don't think you have anything to worry about with that.
CHAIRPERSON CHERWIN: I thought there was hope, all right.
Okay, well, thank you. Thank you to Staff for the presentations here. I don't think we have anything else. We have no public comment.
So, with that, is there a motion to adjourn?
COMMISSIONER DROST: I'll make that motion.
COMMISSIONER DAWSON: Second.
CHAIRPERSON CHERWIN: All right, all in favor?
(Chorus of ayes.)
CHAIRPERSON CHERWIN: Any opposed?
(No response.)
CHAIRPERSON CHERWIN: All right, motion passes. Meeting adjourned. Thanks, everybody.

(Whereupon, at 8:44 p.m., the public hearing on the above-mentioned petition was adjourned.)

APPROVED

STATE OF ILLINOIS)
) SS.
COUNTY OF KANE)

I, RON LeGRAND, SR., depose and say that

I am a digital court reporter doing business in the State of Illinois; that

I reported verbatim the foregoing proceedings and that the foregoing

is a true and correct transcript to the best of my knowledge and ability.

_____
RON LeGRAND, SR.

SUBSCRIBED AND SWORN TO

BEFORE ME THIS _____ DAY OF

_____, A.D. 2025.

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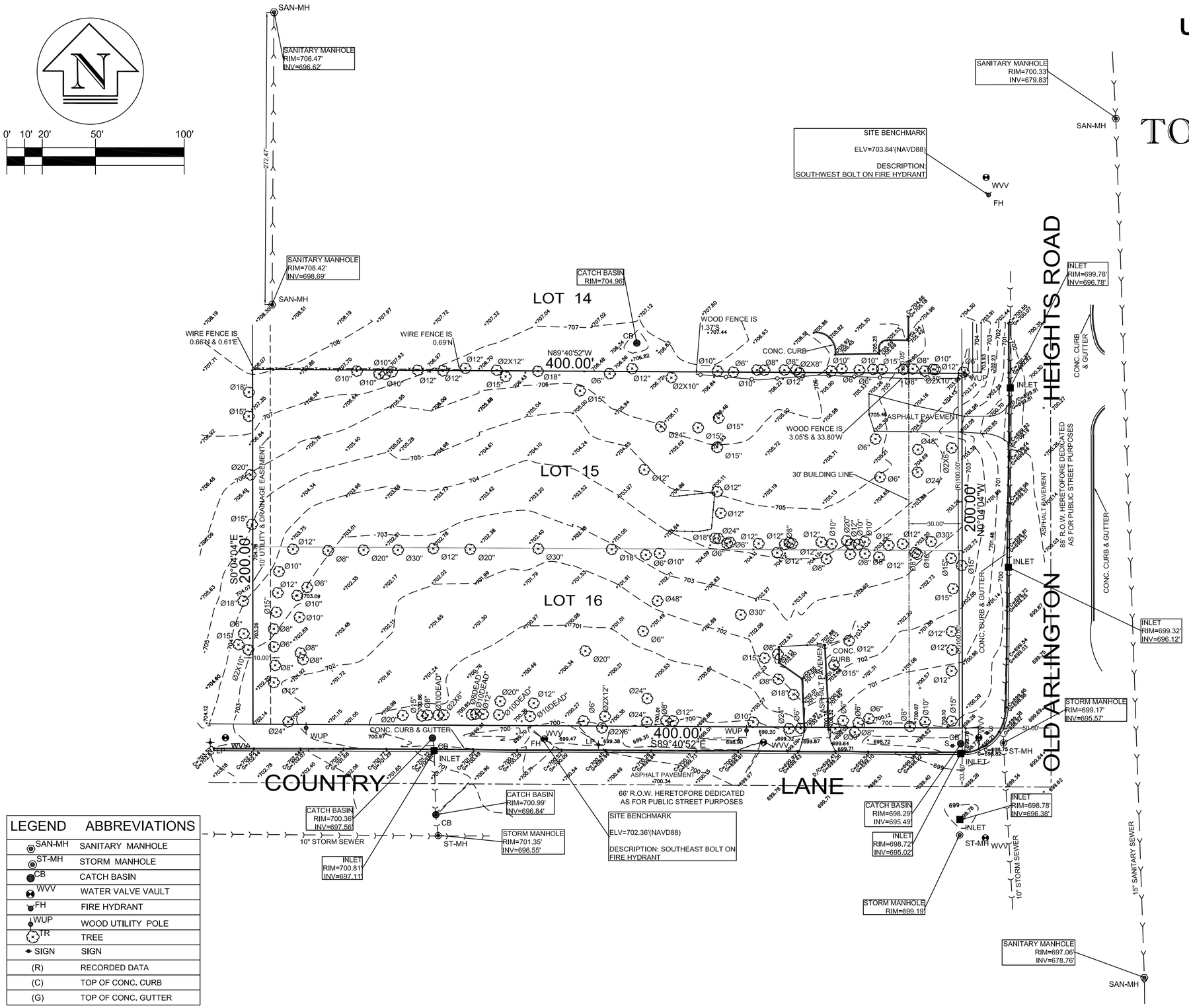

LEGEND	ABBREVIATIONS
SAN-MH	SANITARY MANHOLE
ST-MH	STORM MANHOLE
CB	CATCH BASIN
WVV	WATER VALVE VAULT
FH	FIRE HYDRANT
WUP	WOOD UTILITY POLE
TR	TREE
SIGN	SIGN
(R)	RECORDED DATA
(C)	TOP OF CONC. CURB
(G)	TOP OF CONC. GUTTER

ORDERED BY: CORNER SITE	
SCALE : 1" = 40'	
DATE :MARCH 30, 2024	
FILE No.: 2024 - 31499	
DATE	REVISION

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BOUNDARY AND TOPOGRAPHIC SURVEY

OF

PARCEL 1
LOT 15 IN FREEDOM SMALL FARMS, BEING A SUBDIVISION IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER AND THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 8, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

PARCEL 2
LOT 16 IN FREEDOM SMALL FARMS, BEING A SUBDIVISION IN THE NORTHWEST QUARTER IF THE NORTHWEST QUARTER AND THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 8, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

KNOWN AS: **3255-3310 N. OLD ARLINGTON HEIGHTS ROAD, ARLINGTON HEIGHTS, ILLINOIS**

PERMANENT INDEX NUMBER:
03 - 08 - 100 - 018 - 0000
03 - 08 - 100 - 019 - 0000

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LOCATION OF UNDERGROUND UTILITIES WHERE NOT SUBSTANTIATED BY PHYSICAL EVIDENCE ARE TAKEN FROM RECORDS NORMALLY CONSIDERED RELIABLE. NO RESPONSIBILITY FOR THEIR ACCURACY IS ASSUMED BY THE SURVEYOR.

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) S.S.
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I, ROY G. LAWNICZAK, DO HEREBY CERTIFY THAT I HAVE SURVEYED THE ABOVE DESCRIBED PROPERTY AND THAT THE PLAT HEREON DRAWN IS A CORRECT REPRESENTATION OF SAID SURVEY.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DIMENSIONS ARE SHOWN IN FEET AND DECIMALS AND ARE CORRECTED TO A TEMPERATURE OF 68° FAHRENHEIT.

COMPARE THIS PLAT, LEGAL DESCRIPTION AND ALL SURVEY MONUMENTS BEFORE BUILDING, AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE SURVEYOR.

RIVER FOREST, ILLINOIS, MARCH 30 , A.D. 2024.

BY: Roy G. Lawniczak

ROY G. LAWNICZAK, REGISTERED ILLINOIS LAND SURVEYOR NO. 35-2290
LICENSE EXPIRES: NOVEMBER 30, 2024
PROFESSIONAL DESIGN FIRM LICENSE NO.: 184-004576
LICENSE EXPIRES: APRIL 30, 2025

ROY G. LAWNICZAK 35-002290 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS CHICAGO, IL

SFP
PROPERTIES

PROJECT NARRATIVE (Revised 1/31/2025)
3310 N. Old Arlington Heights Rd

Developer SFP Properties, LLC is the contract purchaser of the 1.84 acre site located at the northwest corner of Old Arlington Heights Rd. and East Country Lane. Through the use of a PUD substantially in accordance with the R6 zoning district, we are proposing to rezone the property from its current M-1 District for the purpose of constructing a 24-unit rental townhome community. We believe the proposed use and density fits in well with the existing neighborhood context and will help meet the growing demand for attached built-for-rent housing.

As proposed, the project will consist of 24 townhomes spread across four 3-story buildings set amongst landscaped drives and courtyards. The bulk and density, including all setbacks, conform entirely with those prescribed for the R6 zoning district. Maximum height will be 35' and exterior cladding will consist of fiber cement siding with masonry accents. All units will be 3-story, three-bedroom townhomes with a rear-loaded two-car attached garage set amongst landscaped drives and courtyards. There will be an additional 48 "Driveway parking spots" behind each units' garage and 10 additional guest spaces yielding a parking ratio of 4.41 spaces per unit. Directly inspired by the Lexington Heritage development on the south side of Country Lane, the overall site design is meant to serve as an architectural bookend to that project.

Each 3-bedroom townhome will range in size from 1800—2000 square feet (excluding garage) and feature a 2-car attached garage at grade along with a den or office, second floor open living space and 3 bedrooms on the third floor. They are expected to appeal to everyone from those just starting families, young empty-nesters looking to downsize and anyone seeking a convenient location in an area with outstanding amenities and public schools. Initial rents are expected to range from $3700-$4000 per month.

The architecture will be in the "Transitional" style, consistent with high-end suburban 3-story townhome design featuring a combination of fiber cement panel and applied stone masonry. It's designed to blend into the neighborhood context which features mid-rise condominiums to the north, single family homes to the east and a similar townhome project to the south.

All interior drives and courtyards will be extensively landscaped and hardscaped. Stormwater management will meet both Village and MWRD detention requirements through an underground basin to be located within the front, side and rear yard setbacks. An Onsite Utility Maintenance Agreement will be executed prior to final engineering approval.

In accordance with the Inclusionary Housing Ordinance, we intend to comply with a combination of onsite affordable units with a fee in lieu for the additional fractional unit. Per the Ordinance, 5% of the units are required to be set aside as affordable, which equates to 1.2

SFP
PROPERTIES

units. Therefore, we are proposing to include one on-site affordable unit and pay an lieu fee for the remaining fractional 0.2 unit, which would equate to $16,980 ($87,900 x 0.2).

Although the project generally conforms with the code for the R6 Zoning District, two minor variations are required. A variation from Section 5.1-6.2(b) to allow for a minimum lot size of 80,150 square feet rather than 84,000 square feet and 24 rather than 22 units. Additionally, a variation is required to relocate some required landscaping in order to permit fire hydrants in the appropriate location as required by code.

At the request of the Planning and Community Development Department, a driveway connecting the subject property with the Timber Court Condominiums to the north was included near the northeast corner of the subject property. This is consistent with the PUD approval agreement for the Timber Court Apartments in 2004.

In November of 2024, we held an information online meeting with neighbors to whom we sent a notification letter. The meeting was sparsely attended and brief.

SFP Properties, LLC (www.sfpproperties.com) is a family owned and operated real estate investment, property management and development firm with over a 50+ years experience in commercial and residential development, management and operations. It currently owns and operates retail, office and industrial properties in Illinois, Florida, Ohio and Texas.

Recent rental townhome developments include 22 units in Highland Park (with additional partners) completed in 2023 (www.425bloom.com), 29 units currently under construction and leasing in Mount Prospect (www.lionsparkrow.com) and 34 units under construction in Northbrook.

Compliance with Standards for Variation Request

Applicant is requesting a variation from Section 5.1-6.2(b) to allow an 80,150 square foot lot size rather than 84,000 square feet as required in order to permit the development of 24 dwelling units rather than 22 dwelling units.

In order to receive a variation, the standards for land use variations set forth in Section 28-11.2 of the Municipal Code are required to be satisfied. Applicant submits that the required standards are satisfied as indicated as follows:

(a) The proposed use will not alter the essential character of the locality and will be compatible with existing uses and zoning of nearby property.

The proposed development of the subject property with 24 dwelling units, including units which respond to the Inclusionary Housing Ordinance, is fully compatible with surrounding uses and zoning. Immediately north and south of the subject property are multifamily developments which have been established in the R-6 Multi Family Dwelling District, the dwelling district to which Applicant seeks to rezone the subject property. To the west of the subject property are office and warehouse uses developed in the M1 Research Development and Light Manufacturing District. To the east of the subject property, in the Village of Buffalo Grove, is property which is zoned R9 Multi Family, a comparable zoning classification to the R6 Multi Family Zoning Classification in the Village of Arlington Heights. Accordingly, the essential character of the locality is primarily multi- family, and the proposed use, zoning, and density of the subject property are fully compatible with neighboring uses and zoning classifications, and as such the proposed use will not alter the essential character of the locality.

(b) **The plight of the owner is due to unique circumstances, which may include the length of time the subject property has been vacant as zoned.**

Despite the trend of multi-family residential development of surrounding properties in both the Village of Arlington Heights and the Village of Buffalo Grove, the subject property, while zoned M1 Research Development and Light Manufacturing District, has not been redeveloped, and the requested variation is required in order to successfully develop the subject property in a manner in which neighboring properties have been developed.

(c) **The proposed variation is in harmony with the spirit and in intent of this Chapter.**

The intent and purpose of the Zoning Ordinance is expressed in Section 28-2. It includes: promoting and protecting public health, safety, morals, comfort, and general welfare (Section 2.1); promoting orderly and beneficial development of residential business and manufacturing areas with the Village (Section 2.3); and fixing reasonable standards to which buildings or structures shall conform (Section 2.7). The proposed variation would permit Applicant to develop the subject property in a matter which satisfies these and other purposes set forth in the Zoning Ordinance and would therefore be in harmony with the spirit and intent of the Ordinance.

(d) **The variance requested in the minimum variance necessary to allow reasonable use of the property.**

If the variance were not granted, Applicant would be unable to develop the property in a manner in which neighboring properties have been developed, and would, thereby be deprived of the reasonable use of the subject property.

(e) The proposed use will not alter the essential character of the locality and will be compatible with existing uses and zoning of nearby property.

The proposed development of the subject property with 24 dwelling units, including units which respond to the Inclusionary Housing Ordinance, is fully compatible with surrounding uses and zoning. Immediately north and south of the subject property are multifamily developments which have been established in the R-6 Multi Family Dwelling District, the dwelling district to which Applicant seeks to rezone the subject property. To the west of the subject property are office and warehouse uses developed in the M1 Research Development and Light Manufacturing District. To the east of the subject property, in the Village of Buffalo Grove, is property which is zoned R9 Multi Family, a comparable zoning classification to the R6 Multi Family Zoning Classification in the Village of Arlington Heights. Accordingly, the essential character of the locality is primarily multi- family, and the proposed use, zoning, and density of the subject property are fully compatible with neighboring uses and zoning classifications, and as such the proposed use will not alter the essential character of the locality.

(f) **The plight of the owner is due to unique circumstances, which may include the length of time the subject property has been vacant as zoned.**

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(h) **The variance requested in the minimum variance necessary to allow reasonable use of the property.**

If the variance were not granted, Applicant would be unable to develop the property in a manner in which neighboring properties have been developed, and would, thereby be deprived of the reasonable use of the subject property.

Applicant is requesting a variation from Section 28-6.15-1.2 (b) to allow the relocation of 4" caliper trees prescribed by the ordinance to be located within landscaped parking islands to permit the location of the fire hydrants which are required by code.

In order to receive a variation, the standards for land use variations set forth in Section 28-11.2 of the Municipal Code are required to be satisfied. Applicant submits that the required standards are satisfied as indicated as follows:

(a) The proposed use will not alter the essential character of the locality and will be compatible with existing uses and zoning of nearby property.

The proposed relocation of the 4" caliper trees from the landscape islands near the parking to other locations within the property is a minimal variation which will not impact any other property and still includes the same amount of total tree installation as required, and as such the proposed modification will not alter the essential character of the locality.

(b) **The plight of the owner is due to unique circumstances, which may include the length of time the subject property has been vacant as zoned.**

The Life and Safety and public works and Engineering departments require on-site fire hydrants which can only be provided for in specific locations on the property. Therefore, our request to relocate certain landscaping items from their prescribed location is unique to this property and proposed site plan.

(c) **The proposed variation is in harmony with the spirit and intent of this Chapter.**

The intent and purpose of the Zoning Ordinance is expressed in Section 28-2. It includes: promoting and protecting public health, safety, morals, comfort, and general welfare (Section 2.1); promoting orderly and beneficial development of residential business and manufacturing areas with the Village (Section 2.3); and fixing reasonable standards to which buildings or structures shall conform (Section 2.7). The proposed variation would permit Applicant to develop the subject property in a matter which satisfies these and other purposes set forth in the Zoning Ordinance and would therefore be in harmony with the spirit and intent of the Ordinance.

(d) **The variance requested in the minimum variance necessary to allow reasonable use of the property.**

If the variance were not granted, Applicant would be unable to develop the property in a manner in which neighboring properties have been developed, and would, thereby be deprived of the reasonable use of the subject property.

(e) The proposed use will not alter the essential character of the locality and will be compatible with existing uses and zoning of nearby property.

The proposed development of the subject property with 24 dwelling units, including units which respond to the Inclusionary Housing Ordinance, is fully compatible with surrounding uses and zoning and the proposed landscape plan is otherwise in full compliance with all aspects of the landscape code. Accordingly, the essential character of the locality is primarily multi- family, and the proposed use, zoning, and density of the subject property are fully compatible with neighboring uses and zoning classifications, and as such the proposed use will not alter the essential character of the locality.

(f) **The plight of the owner is due to unique circumstances, which may include the length of time the subject property has been vacant as zoned.**

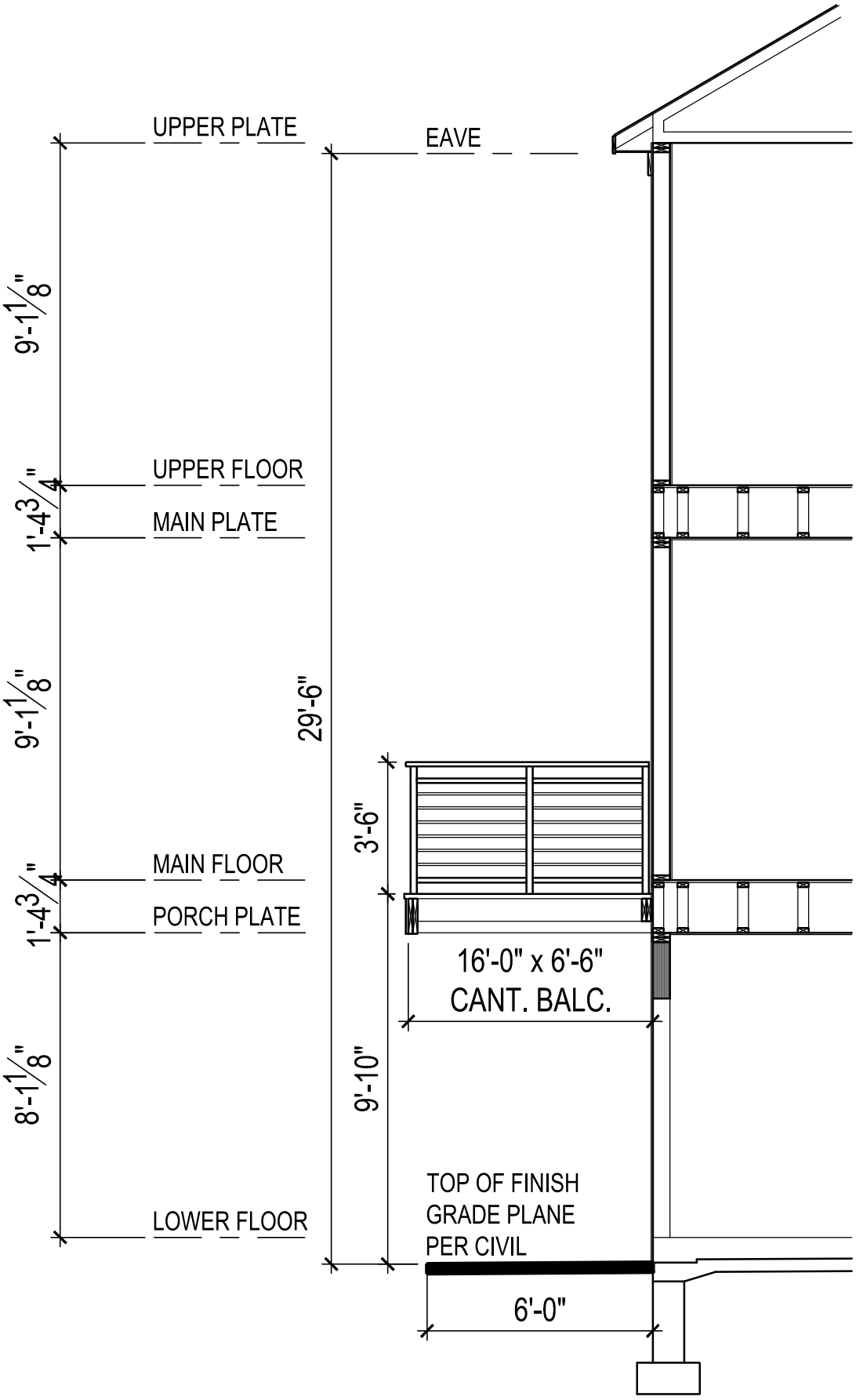
The specific design of our site plan requires the fire hydrant(s) to be placed in the appropriate location to service all buildings on the site. Life safety installations can and should take precedent over aesthetic concerns such as landscaping. Therefore, the requested variation is required in order to successfully develop the subject property in a manner in which neighboring properties have been developed.

(g) **The proposed variation is in harmony with the spirit and in intent of this Chapter.**

The intent and purpose of the Zoning Ordinance is expressed in Section 28-2. It includes: promoting and protecting public health, safety, morals, comfort, and general welfare (Section 2.1); promoting orderly and beneficial development of residential business and manufacturing areas with the Village (Section 2.3); and fixing reasonable standards to which buildings or structures shall conform (Section 2.7). The proposed variation would permit Applicant to develop the subject property in a matter which satisfies these and other purposes set forth in the Zoning Ordinance and would therefore be in harmony with the spirit and intent of the Ordinance.

(h) **The variance requested in the minimum variance necessary to allow reasonable use of the property.**

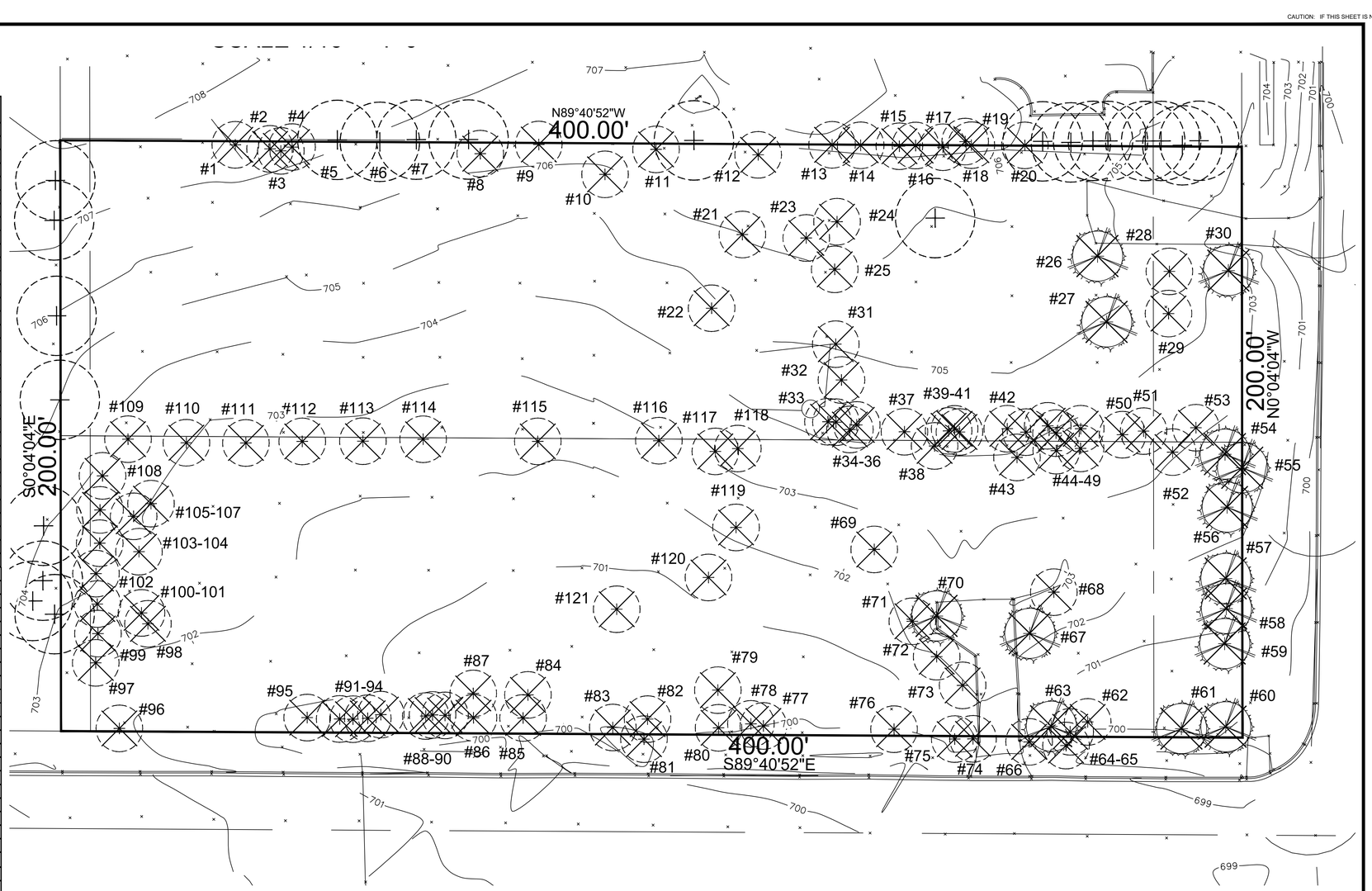
If the variance were not granted, Applicant would be unable to develop the property in a manner in which neighboring properties have been developed, and would, thereby be deprived of the reasonable use of the subject property.


UPPER PLATE
EAVE
9'-1 1/8"
UPPER FLOOR
1'-4 3/4"
MAIN PLATE
9'-1 1/8"
29'-6"
3'-6"
MAIN FLOOR
1'-4 3/4"
PORCH PLATE
16'-0" x 6'-6"
CANT. BALC.
8'-1 1/8"
9'-10"
TOP OF FINISH
GRADE PLANE
PER CIVIL
LOWER FLOOR
6'-0"

CAUTION: IF THIS SHEET IS NOT 24"x36", THEN IT IS NOT AT THE SCALE INDICATED.

TREE ACTION PLAN/TREE SURVEY

Tree Number	Scientific Name	Common Name	DBH (in.)*	Condition	Remove
1	*Dead*			Dead	YES
2	*Dead*			Dead	YES
3	*Dead*			Dead	YES
4	*Dead*			Dead	YES
5	*Dead*			Dead	YES
6	*Ulmus Sp.*	Elm	12"	Poor	YES
7	*Acer Negundo*	Boxelder	12"	Poor	YES
8	*Dead*			Dead	YES
9	*Ulmus Sp.*	Elm	12"	Poor	YES
10	*Ulmus Sp.*	Elm	15"	Poor	YES
11	*Dead*			Dead	YES
12	*Acer saccharinum*	Silver Maple	10"/10"	Poor	YES
13	*Acer Negundo*	Boxelder	10"	Poor	YES
14	*Acer Negundo*	Boxelder	6"	Poor	YES
15	*Acer Negundo*	Boxelder	10"	Poor	YES
16	*Acer Negundo*	Boxelder	8"8"	Poor	YES
17	*Acer Negundo*	Boxelder	12"	Poor	YES
18	*Dead*			Dead	YES
19	*Dead*			Dead	YES
20	*Dead*			Dead	YES
21	*Dead*			Dead	YES
22	*Dead*			Dead	YES
23	*Dead*			Dead	YES
24	*Ulmus Sp.*	Elm	15"	Poor	YES
25	*Ulmus Sp.*	Elm	15"	Poor	YES
26	*Taxus Sp.*	Yew	20'	Fair	YES
27	*Taxus Sp.*	Yew	20'	Fair	YES
28	*Acer saccharinum*	Silver Maple	48"	Poor	YES
29	*Ulmus Sp.*	Elm	20"	Poor	YES
30	*Dead*			Dead	YES
31	*Ulmus Sp.*	Elm	12"	Poor	YES
32	*Dead*			Dead	YES
33	*Dead*			Dead	YES
34	*Dead*			Dead	YES
35	*Ulmus Sp.*	Elm	24"	Poor	YES
36	*Ulmus Sp.*	Elm	6"	Poor	YES
37	*Ulmus Sp.*	Elm	12"	Poor	YES
38	*Pinus Strobus*	White pine	12"	Poor	YES
39	*Ulmus Sp.*	Elm	12"	Poor	YES
40	*Ulmus Sp.*	Elm	8"	Poor	YES
41	*Ulmus Sp.*	Elm	12"	Poor	YES
42	*Dead*			Dead	YES
43	*Dead*			Dead	YES
44	*Dead*			Dead	YES
45	*Picea Sp.*	Spruce	20"	Poor	YES
46	*Picea Sp.*	Spruce	12"	Poor	YES
47	*Picea Sp.*	Spruce	10"	Poor	YES
48	*Acer Negundo*	Boxelder	12"	Poor	YES
49	*Acer Negundo*	Boxelder	8"	Poor	YES
50	*Dead*			Dead	YES
51	*Dead*			Dead	YES
52	*Acer Negundo*	Boxelder	10"	Poor	YES
53	*Ulmus Sp.*	Elm	30"	Poor	YES
54	*Pinus Strobus*	White pine	15"	Poor	YES
55	*Pinus Strobus*	White pine	15"	Poor	YES
56	*Picea Sp.*	Spruce	15"	Poor	YES
57	*Picea Sp.*	Spruce	15"	Poor	YES
58	*Dead*			Dead	YES
59	*Dead*			Dead	YES
60	*Picea abies*	Norway Spruce	15"	Poor	YES
61	*Picea abies*	Norway Spruce	10"	Poor	YES
62	*Acer Negundo*	Boxelder	6"	Poor	YES
63	*Picea Sp.*	Spruce	6"	Poor	YES
64	*Acer Negundo*	Boxelder	6"	Poor	YES
65	*Morus alba*	Mulberry	30"	Poor	Yes
66	*Dead*			Dead	YES
67	*Picea Sp.*	Spruce	15"	Poor	YES
68	*Morus alba*	Mulberry	12""	Poor	Yes
69	*Acer saccharinum*	Silver Maple	30"	Poor	YES
70	*Picea glauca*	White Spruce	8"	Poor	YES
71	*Ulmus Sp.*	Elm	15"	Poor	YES
72	*Dead*			Dead	YES
73	*Dead*			Dead	YES
74	*Dead*			Dead	YES
75	*Ulmus Sp.*	Elm	24"	Poor	YES
76	*Ulmus Sp.*	Elm	10"	Poor	YES
77	*Ulmus Sp.*	Elm	12"	Poor	YES
78	*Ulmus Sp.*	Elm	8"	Poor	YES
79	*Acer saccharinum*	Silver Maple	24"	Poor	YES
80	*Ulmus Sp.*	Elm	24"	Poor	YES
81	*Ulmus Sp.*	Elm	6"/6"	Poor	YES
82	*Acer saccharinum*	Silver Maple	12"/12"	Poor	YES
83	*Dead*			Dead	YES
84	*Gleditsia sp.*	Locust	12"	Poor	YES
85	*Dead*			Dead	YES
86	*Dead*			Dead	YES
87	*Acer saccharinum*	Silver Maple	20"	Poor	YES
88	*Dead*			Dead	YES
89	*Dead*			Dead	YES
90	*Dead*			Dead	YES
91	*Dead*			Dead	YES
92	*Acer Negundo*	Boxelder	6"	Poor	YES
93	*Dead*			Dead	YES
94	*Dead*			Dead	YES
95	*Dead*			Dead	YES
96	*Dead*			Dead	YES
97	*Acer saccharinum*	Silver Maple	12"	Poor	YES
98	Pyrus Sp.	Ornamental Pear	8"	Poor	YES
99	*Acer saccharinum*	Silver Maple	8"	Poor	YES
100	Pyrus Sp.	Ornamental Pear	8"	Poor	YES
101	*Acer saccharinum*	Silver Maple	6"	Poor	YES
102	*Acer saccharinum*	Silver Maple	8"	Poor	YES
103	*Acer saccharinum*	Silver Maple	15"	Poor	YES
104	Tilia americana	American Linder	10"	Poor	YES
105	*Acer saccharinum*	Silver Maple	12"	Poor	YES
106	Tilia americana	American Linder	10"	Poor	YES
107	Prunus serotina	Black Cherry	6"	Poor	YES
108	*Dead*			Dead	YES
109	*Dead*			Dead	YES
110	*Acer saccharinum*	Silver Maple	8"	Poor	YES
111	*Acer saccharinum*	Silver Maple	20"	Poor	YES
112	*Acer saccharinum*	Silver Maple	30"	Poor	YES
113	*Acer saccharinum*	Silver Maple	12"	Poor	YES
114	*Acer saccharinum*	Silver Maple	20"	Poor	YES
115	*Acer saccharinum*	Silver Maple	30"	Poor	YES
116	*Acer saccharinum*	Silver Maple	18"	Poor	YES
117	*Ulmus Sp.*	Elm	6"	Poor	YES
118	*Dead*			Dead	YES
119	*Acer saccharinum*	Silver Maple	48"	Poor	YES
120	Fraxinus pennsylvanica	Green Ash	6"	Poor	YES
121	*Acer saccharinum*	Silver Maple	20"	Poor	YES



LEGEND:

#81 EXISTING DECIDUOUS TREE TO BE REMOVED

#63 EXISTING EVERGREEN TREE TO BE REMOVED

EXISTING OFF-SITE DECIDUOUS TREE TO REMAIN

GENERAL NOTES:

1. TREE REMOVAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL TREES DESIGNATED FOR REMOVAL ARE WITHIN THE SUBJECT PROPERTY PRIOR TO BEGINNING WORK.
2. IF ANY TREE/TREES ARE DETERMINED TO BE MISCHARACTERIZED AS TO BE REMOVED OR PRESERVED, THE TREE REMOVAL CONTRACTOR SHALL ALERT THE PROJECT OWNER/GENERAL CONTRACTOR FOR FINAL RESOLUTION.
3. ALL SCRUB/UNDERSTORY GROWTH ON-SITE SHALL BE REMOVED.

811 Know what's below. Call before you dig.

SCALE 1" = 20'
0 20 40

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REVISIONS

5 - Per Village Review #3	2025-01-29
4 - Per Village Review #2	2024-12-17
3 - Per Initial Village Review	2024-11-07
2 - Per Engineering	2024-09-19
1 - Per Tree Survey	2024-09-09

OLD ARLINGTON HEIGHTS ROAD TOWNHOMES

3301 Old Arlington Heights Rd.
Arlington Heights, Illinois

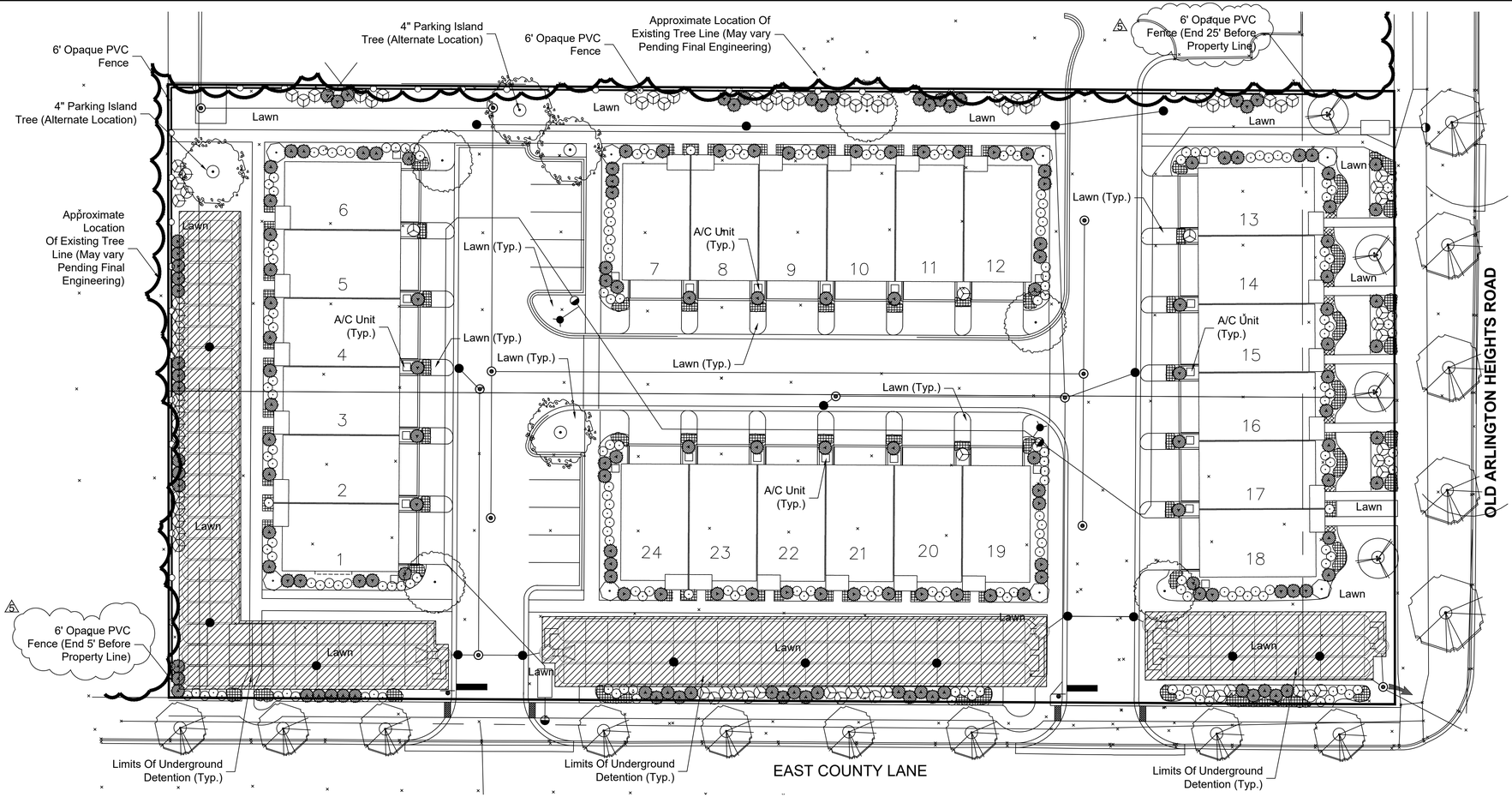
HERITAGE OAK STUDIOS, LLC
Landscape Architects
24301 White Oak Drive
Plainfield, IL 60585
PHONE: 815-531-4415

TREE SURVEY & REMOVAL PLAN

DATE: 2024-08-14
SCALE: 1"=20'
PLANNER: RP
DRAWN BY: RP
CHECKED: _____

SHEET
TS-1

PROJECT NO.: 1524-2417



LEGEND (Trees listed are representative and may vary)

DECIDUOUS SHADE TREE - 2.5"
(Red Oak, Swamp White Oak, elms, Hackberry, Red Maples, Coffeetree, Honeylocust, Etc.)

DECIDUOUS SHADE TREE - 4.0"
(Parking Island Tree: Hackberry. Honeylocust, Etc.)

LARGE DECIDUOUS SHRUB

DWARF DECIDUOUS SHRUB

EVERGREEN SHRUB

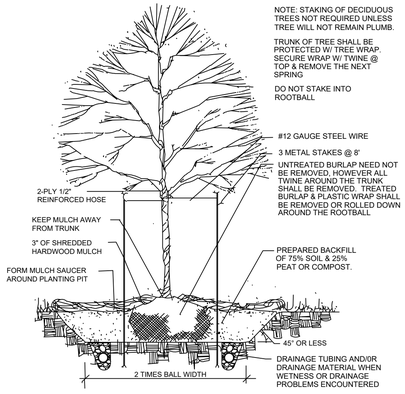
PERENNIALS, GROUNDCOVERS, & ORNAMENTAL GRASSES

DECIDUOUS STREET TREE - 2.5"
(Honeylocust, Maples, Coffeetree, Elms, Oaks, Etc.)

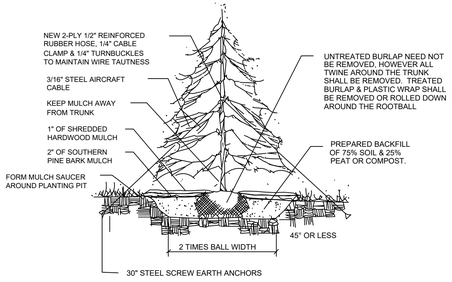
ORNAMENTAL TREE - 2"/6' cl.
(Serviceberry, Redbud, Flowering Crabs, Tree lilacs, Etc.)

DECIDUOUS STREET TREE - 2.5"
(Upright Form: Frontier Elm & Shawnee Brave Bald Cypress)

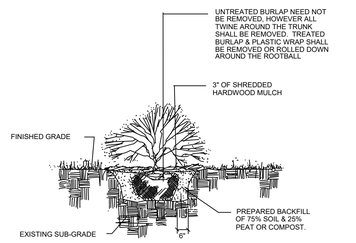
EVERGREEN TREE - 6'
(Serbian Spruce, Norway Spruce, Arborvitae, Douglas Fir, Etc.)



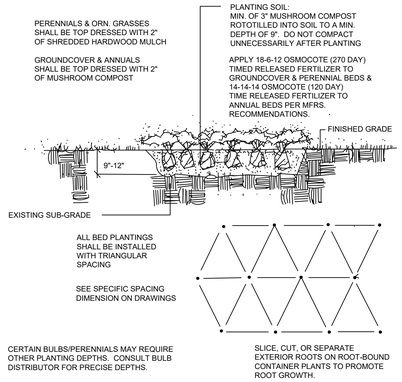
DECIDUOUS TREE
NTS



EVERGREEN TREE
NTS



SHRUBS
NTS



BED PLANTING DETAIL
(PERENNIALS, ORNAMENTAL GRASSES VINES, GROUNDCOVER & ANNUALS)
NTS

GENERAL NOTES:

Plant material shall be nursery grown and be either balled and bur-lapped or container grown. Sizes and spreads on plant list represent minimum requirements.

The requirements for measurement, branching and ball size shall conform to the latest addition of ANSI Z60.1, AMERICAN STANDARD OF NURSERY STOCK by the American Nursery & Landscape Association.

Any materials with damaged or crooked/disfigured leaders, bark abrasion, sun scald, insect damage, etc. are not acceptable and will be rejected. Trees with multiple leaders will be rejected unless called for in the plant list as multi-stem or clump (cl.).

If any mistakes, omissions, or discrepancies are found to exist with the work product, the Landscape Architect shall be promptly notified so that they have the opportunity to take any steps necessary to resolve the issue. Failure to promptly notify the Landscape Architect and the Owner of such conditions shall absolve them from any responsibility for the consequences of such failure.

Under no circumstances should these plans be used for construction purposes without examining actual locations of utilities on site, and reviewing all related documents mentioned herein, including related documents prepared by the project Civil Engineer and Architect.

Civil Engineering or Architectural base information has been provided by others. The location of various site improvements on this set of drawings is only illustrative and should not be relied upon for construction purposes.

Quantity lists are supplied as a convenience. However, Bidders and the Installing Contractor should verify all quantities. The drawings shall take precedence over the lists. Any discrepancies shall be reported to the Landscape Architect.

Actions taken without the knowledge and consent of the Owner and the Landscape Architect or in contradiction to the Owner and the Landscape Architect's work product or recommendations, shall become the responsibility not of the Owner and the Landscape Architect, but for the parties responsible for the taking of such action.

Refer to Civil Engineering documents for detailed information regarding size, location, depth and type of utilities, as well as locations of other site improvements, other than landscape improvements,

Plant symbols illustrated on this plan are a graphic representation of proposed plant material types and are intended to provide for visual clarity. However, the symbols do not necessarily represent actual plant spread at the time of installation.

All plant species specified are subject to availability. Material shortages in the landscape industry may require substitutions. All substitutions must be approved by the Village, Landscape Architect and Owner.

The Landscape Contractor shall verify location of all underground utilities prior to digging by calling "J.U.L.I.E." (Joint Utility Location for Excavators) 1-800-892-0123 and any other public or private agency necessary for utility location.

All bed lines and tree saucers shall require a hand spaded edge between lawn and mulched areas.

Grading shall provide slopes which are smooth and continuous. Positive drainage shall be provided in all areas.

Sod shall be mineral base only.

Seed mixes shall be applied mechanically so that the seed is incorporated into the top one-half inch (1/2") of the seed bed. The seed shall then be covered with the specified blanket (installed per manufacturer's. specs) or Hydro-mulch.

All plant material shall be guaranteed for one (1) year from the date of acceptance.

All completed planting beds and tree saucers, except for groundcover beds, shall be mulched with three (3) inches of un-dyed shredded hardwood bark. All groundcover beds shall be mulched with three (3) inches of pine bark fines.

Know what's below. Call before you dig.

SCALE 1" = 20'
0 20 40

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OLD ARLINGTON HEIGHTS ROAD TOWNHOMES

3301 Old Arlington Heights Rd.
Arlington Heights, Illinois

HERITAGE OAK STUDIOS, LLC
Landscape Architects
24301 White Oak Drive
Plainfield, IL 60585
PHONE: 815-531-4415

PRELIMINARY LANDSCAPE PLAN

DATE: 2024-08-14
SCALE: 1"=20'
PLANNER: RP
DRAWN BY: RP
CHECKED:

SHEET
L-1

PROJECT NO.: 1524-2417

PLANT MATERIAL

PART 1 - GENERAL

1.1 SCOPE OF WORK

The work includes furnishing of all materials, and the performance of all operation in connection with the planting of deciduous & evergreen trees, deciduous & evergreen shrubs, shrub roses, perennials, ornamental grasses, groundcover, bulbs (if any) and annual flowers (if any) in strict conformance with the project specifications and applicable drawings which are subject to the terms and conditions of the Contract.

1.2 GENERAL REQUIREMENTS

All plant material shall comply with the State of ILLINOIS and FEDERAL laws with respect to inspection for plant diseases and insect infestation. An inspection certificate required by law to this effect shall accompany each shipment. The Landscape Architect reserves the right to inspect the plant material at the place of growth but such inspection shall not preclude the right of rejection at the site.

1.3 APPLICABLE STANDARDS

A. *American National Standards for Tree Care Operations*, ANSI A300, American National Standards Institute, 11 West 42nd Street, New York, N.Y. 10036.
B. *American Standard for Nursery Stock*, ANSI Z60.1, American Nursery & Landscape Association, 1000 Vermont Avenue NW, Suite 300, Washington, D.C. 20005.
C. *Hortus Third*, The Staff of the L.J. Bailey Hortorium, 1976, MacMillan Publishing Co., New York.
D. All standards shall include the latest additions and amendments as of the dated of advertisement for bids.

PART 2 - MATERIALS

2.1 GENERAL
The Landscape Architect reserves the right to tag or inspect plants at the nursery but such inspection shall not preclude the right of rejection at the site. Contractor shall furnish and install all plants as shown on the drawing and in the quantities as actually designated on the drawings. The quantities shown on the plant list are included for convenience purposes only.

2.2 NOMENCLATURE
The names of the plants indicated on the drawings conform generally with those accepted in the nursery trade.

2.3 QUALITY AND SIZE
Plants shall have a habit of growth that is normal for the species and shall be sound, healthy, vigorous, and free from insect pests, their eggs or larvae, plant diseases, and injuries. All plants shall be nursery grown under climatic conditions similar to those which exist in the locality of the site for at least two (2) years and equal or exceed the measurements specified in the plant list. They shall be measured before pruning with branches in formal position. All necessary pruning shall be performed only at the time of planting. Trees will not be accepted which have their leaders cut or which have their leaders damaged so that cutting is necessary. Plants larger in size than specified may be used with the approval of the Landscape Architect but the use of larger plants will make no change in the contract price. Requirements for the measurement, branching, quality, balling, and burlapping of plants on the plant list shall follow the Code of Standards (Z60.1-most current edition) by the AMERICAN NURSERY & LANDSCAPE ASSOCIATION, formerly known as the AMERICAN ASSOCIATION OF NURSERYMEN, INC. All plant material with shriveled dry roots or which does not comply with the specifications will be rejected. All shrubs shall be at least twice transplanted and must have a fully developed fibrous root system typical of the stated species. All shrubs must be freshly dug immediately before shipping unless they are containerized. Pre-dug, healed-in plants may be considered only in special cases involving planting during the hot months between the spring and fall planting seasons. Use of such material will be allowed only upon the approval of the Landscape Architect and is subject to his inspection prior to said approval.

2.4 DELIVERIES
The Contractor shall take all precautions that are demanded by good trade practice to insure arrival of the plant material at the stated delivery point in good condition and without injury of any nature. Plants shall be covered properly to prevent drying, transit disease, or injury.

2.5 TEMPORARY STORAGE
Insofar as it is possible, plant material shall be planted on the day of delivery. In the event this is not possible, the Contractor shall protect the unplanted stock from sun and drying winds at all times. All balled and burlapped plants shall be shaded from the sun, have their ball set off the ground and healed in with sawdust, peat, soil or other moisture-holding material and shall be kept moist. Plants should not remain unplanted for longer than three (3) days if in leaf. On-site storage shall be only in area(s) designated by the Owner.

2.6 SUBSTITUTIONS
Substitutions may be permitted only upon submission of written proof that the specified plant is not obtainable locally. Such substitution may be made only upon authorization by the Landscape Architect.

2.7 SELECTION
All plants shall be obtained from nurseries licensed by the State of Illinois and approved by the Landscape Architect. The Landscape Architect reserves the right to accompany the Contractor to the nurseries for the purpose of selecting (tagging) material. Plant sources located outside the State of Illinois must be approved by the Landscape Architect.

2.8 TOPSOIL
Topsoil if needed shall be imported. All imported topsoil, used for any portion of the work, shall be fertile, friable, natural loam containing a liberal amount of humus. It shall be relatively free from weeds, large roots, plants, sticks, stones larger than one (1) inch, waste, debris or other extraneous matter. The installing Contractor shall be responsible for rock picking and/or debris removal as needed to meet this specification.

The soil, to be acceptable topsoil, shall meet the following criteria:
A. ORGANIC MATTER: Not less than 1.5 percent no more than 10.0 percent.
B. pH: No lower than 5.0 nor higher than 8.0.
C. TEXTURE: No more than 25 percent clay.
D. SOLUBLE SALT: No more than 1000 ppm
E. CHEMICAL ACTIVITY: The topsoil (on-site & imported) shall be free from any toxins or chemical residue which could result in any form of plant growth damage.

The Contractor shall provide a soil analysis report submittal containing test results and soil scientist recommendations based on a minimum of one (1) sample taken from each proposed imported topsoil stock pile. The testing shall cover macro nutrients and pH, soluble salts, organic content/mechanical analysis and Bio assay.

2.9 MULCH
Mulch shall consist of the following:

A. MUSHROOM COMPOST
Mushroom compost shall be composed of well-rotted cattle or stable manure with an admixture of 15-30% topsoil and shall have been used for the commercial growing of at least one (1) crop of mushrooms.
B. SHREDDED HARDWOOD BARK (general mulching)
Shredded hardwood bark shall consist of finely shredded hardwood bark, free of sticks and leaves.

2.10 FERTILIZER & NUTRIENTS

Fertilizer shall be commercial fertilizer which shall be a complete fertilizer with the following approximate analysis:

A. Shrubs
Woodace (14-3-3) slow-release briquettes or acceptable equivalent approved by Landscape Architect.
B. Roses
1. Woodace (14-3-3) slow-release briquettes
2. Superthrive liquid or acceptable equivalent approved by Landscape Architect.
C. Perennials, Groundcover, Ornamental Grasses & Vines
Osmocote (18-6-12) 8-9 month controlled release, or acceptable equivalent approved by the Landscape Architect.
D. Annual Flowers
Osmocote (14-14-14) 3-4 month controlled release or acceptable equivalent approved by the Landscape Architect.
E. Bulbs
Holland Bulb Booster (9-9-6) or acceptable equivalent approved by the Landscape Architect.
F. Deciduous & Evergreen Trees
No fertilizer required

2.11 TREE WRAPPING MATERIAL

A. Wrap shall be - Breathable synthetic fabric tree wrap. White in color, delivered in 75 mm (3 in.) wide rolls. Specifically manufactured for tree wrapping. Tree wrap shall be "Breathable Fabric Tree Wrap" as manufactured by the Dewitt Company, Inc., Sikeston, MO, or approved equal. Submit manufacture literature for approval.
B. Tape for securing the wrap shall be bio-degradable tape suitable for nursery use and which is expected to degrade in sunlight in less than two (2) years after installation.

2.12 WATER

Potable water shall be supplied by the Owner at no cost to the Contractor by way of an irrigation system, quick coupler system, hose bibs, hydrant meter or a designated fill-up source on site.

PART 3 - EXECUTION

Planting operations shall be conducted under favorable weather conditions during the season stated in the Contract. Before excavations are made the surrounding turf (if existing) shall be covered in a manner that will satisfactorily protect all turf areas that are to be trucked or hauled over and upon which soil is to temporarily stocked. The Contractor shall be responsible for the restoration of all damaged existing turf. All restoration shall be sodded.

3.1 TIME SCHEDULE OF PLANTING OPERATION

Landscaping shall be performed during the season or seasons which are normal for such work as determined by weather conditions and by accepted practice. Planting may be performed under unseasonable conditions without additional compensation, but such work must have the prior approval of the Landscape Architect and/or Owner in writing as to the time of work and methods of operations. Approval to plant under such conditions shall in no way relieve the Contractor form the guarantee provisions of these specifications.

PLANTING SEASON	ACCEPTABLE TIME PERIOD
1. SPRING	a. From time soil is workable to June 15 with the following exception:
1) Bare root materials (if any) shall cease on May 31	
2. FALL	a. Sept. 1 to Nov. 15 with following exceptions:
1) Evergreen Shrub planting to cease Oct. 31	
2) Evergreen Tree planting to cease Oct. 15	
3) Perennial & Ornamental Grass planting to cease Oct. 15	

3.2 WATERING

All plants shall receive a thorough watering immediately after installation. During times of extreme heat, all evergreen and deciduous trees shall receive a minimum of 10 gallons of water per tree per watering up to two (2) additional waterings shall be performed as needed. **The use of drip irrigation tree bags are encouraged** (e.g., gatorbags). All additional waterings will be performed by the Owner or in accordance with a Change Order per the Supplemental Bid prices for additional watering.

3.3 MAINTENANCE
Maintenance shall be performed by the Contractor as follows:

A. TEMPORARY MAINTENANCE
The Contractor shall be responsible for the total maintenance of all plant material until such a date as all landscape operations have received Preliminary Acceptance. Temporary maintenance shall begin immediately after each plant is installed and shall include up to three (3) waterings, and all necessary cultivation, weeding, pruning, disease and insect pest control, protective spraying, resetting of plants to proper grades or upright position, restoration of damaged planting saucers, and any other procedure consistence with good horticultural practice necessary to insure normal, vigorous, and healthy growth of all work under this Contract. Upon the Preliminary Acceptance of all planted areas, the responsibility for plant maintenance rests solely with the Owner, with the following exceptions.

B. CONTINUED MAINTENANCE
For the duration of the guarantee period the Contractor shall be responsible for the resetting of settled plants, the straightening of plants which are not plumb and the tightening of tree guys (if utilized). All other maintenance is the responsibility of the Owner. However, it is the Contractor's responsibility to occasionally inspect the quality of the Owner's maintenance.

3.4 ACCEPTANCE

A. PRELIMINARY PLANTING ACCEPTANCE
Preliminary planting acceptance shall be given for completed planting operations for the purpose of the Contractor becoming eligible for payment for this portion of the Contract work. In order to obtain Preliminary Acceptance, the Contractor shall notify the Owner and/or Owner's Representative by phone or in writing at the conclusion of all planting operations so that preliminary acceptability by way of a field inspection can be performed. In order for an area to be accepted on a preliminary basis, it shall conform to the following:
1. All plant material shall be in conformance with the Drawings with respect to quality, size, species and location, except those items accepted or revised in the field by the Landscape Architect.
2. All plant material shall be in a healthy condition, as defined under the guarantee requirements stated below in Section 3.14

B. FINAL PLANTING ACCEPTANCE
Final planting acceptance shall be granted after the completion of all replacement operations required fulfilling the guarantee stated below.
On or about the expiration of the one-year (1 year) guarantee, a follow-up inspection will be made by the Owners and/or Owner's Representative to determine replacements required to be made by the Contractor in accordance with the provisions of these specifications. The inspector will document his/her findings in a field report. Upon completion of the replacement program, the Owner and/or Owner's Representative shall conduct an inspection to determine the acceptability of the required replacements. If all is found to be acceptable as defined by Item A above, the Contractor and the General Contractor shall be notified in writing of his final acceptance of work.

3.5 GUARANTEE
The Contractor shall guarantee for a period of one (1) year the replacement of any permanent plant which has died, or is in a dying condition, or which has failed to flourish in such a manner that its usefulness or appearance has been impaired. Any tree with a dead main leader or with a crown which is twenty-five percent (25%) or more dead shall be replaced.
These guarantees shall be in accordance with the following:

A. ONE YEAR PERIOD
The one (1) year period shall begin on the date of Preliminary Acceptance of all plant material.
B. REPLACEMENTS & DAMAGES
The decisions of the Owner and/or Owner's Representative for required replacements shall be conclusive and binding upon the Contractor. The Contractor shall also be responsible for repairing damage to persons and property also caused by defective workmanship and materials.
C. EXCLUSIONS
The Contractor shall not be liable for the replacement of plants which were damaged by animals, by deicing compounds, fertilizers, pesticides or other materials not specified by the Contract documents or not applied by him under his supervision, by relocating or removal by others, by Acts of God, by vandalism or by terrorism.
D. GUARANTEE PERIOD INSPECTION
During the guarantee period, the Contractor shall, from time to time, inspect the watering, cultivation, and other maintenance operations carried on by the Owner with respect to such work, and promptly report to the Owner any methods, practices or operations which he considers unsatisfactory, and not in accord with his interests or good horticultural practices. The failure of the Contractor to so inspect or report shall be construed as an acceptance by him of the Owner's maintenance operations, and he shall not thereafter claim or assert that any defects which may later develop are the result of such methods or practices or operations.

TURF GRASS

PART 1 - GENERAL

1.1 SCOPE OF WORK

The work includes finish grading, furnishing fertilizer, seed and/or sod as specified and performance of all operations in connection with seeding and/or sodding in strict accordance with the applicable Drawings and subject to the terms and conditions of the Contract.

1.2 EQUIPMENT

The Contractor shall provide and maintain equipment suitable for the execution and completion of the work specified in accordance with (IDOT) Standard Specifications. All equipment shall be operated by personnel trained in the operation of such equipment.

PART 2 - PRODUCTS

2.1 TOPSOIL

Topsoil for planting operations shall be obtained from an on-site stockpile generated from site stripping. In the event that none is available, needed topsoil shall be imported from an off-site source. All imported topsoil, used for any portion of the work, shall be fertile, friable, natural loam containing a liberal amount of humus. It shall be relatively free from weeds, large roots, plants, sticks, stones larger than one (1) inch, waste, debris or other extraneous matter. The installing Contractor shall be responsible for rock picking and/or debris removal as needed to meet this specification.

The soil, to be acceptable topsoil, shall meet the following criteria:

1. ORGANIC MATTER: Not less than 1.5 percent no more than 10.0 percent.
2. pH: No lower than 5.0 nor higher than 8.0.
3. TEXTURE: No more than 25 percent clay.
4. SOLUBLE SALT: No more than 1000 ppm.
5. CHEMICAL ACTIVITY: The topsoil (on-site & imported) shall be free from any toxins or chemical residue which could result in any form of plant growth damage.

The Contractor shall provide a soil analysis report submittal containing test results and soil scientist recommendations based on a minimum of one (1) sample taken from each proposed imported topsoil stock pile. The testing shall cover macro nutrients and pH, soluble salts, organic content/mechanical analysis and Bio assay.

2.2 COMMERCIAL FERTILIZER AND DELIVERY

Fertilizer shall be delivered to the site in unopened, original containers, each bearing name and address of the manufacturer, name brand, or trademark, and manufacturer's guaranteed analysis. Any fertilizer which becomes caked or otherwise damaged, making it unsuitable to use, will not be accepted. Fertilizer shall not have been exposed to weather prior to delivery on the site and after delivery until used. It shall be completely protected at all times and shall not be stored in direct contact with the ground.

A. FERTILIZER STRENGTH
The fertilizer shall be a complete fertilizer containing a minimum basis percentage by weight of the following:
1. PRIOR TO SEEDING AND/OR SODDING 10-0-20
Nitrogen..... 10%
Phosphorous..... 0%
Potash..... 20%

2. AFTER SEEDING AND/OR SODDING 26-0-4
Nitrogen..... 26%
Phosphorous..... 0%
Potash..... 4%

a) One-quarter of the nitrogen shall be in the form of nitrates, one-quarter in the form of ammonia salts, and one-half in the form of organic nitrogen.
b) No phosphorus is allowed to be applied.
c) The potash shall be in the form of sulphate of potash.

The balance of the fertilizer shall be made up of materials usually present in such a product. It shall be free from dust, sticks, sand, stone, or other debris.

2.3 GRASS SEED (if specified)
Grass seed shall be reclaimed seed of the previous season's seed crops. All seed shall meet requirements established by the State and Federal Seed and Weed Controls Laws. The grass seed mixture shall be composed of the following grass seeds mixed in proportions by weight and shall meet or exceed the minimum percentages of purity and germination as indicated.

PROPORTION BY WEIGHT	TYPE OF GRASS
1. CONVENTIONAL TURF GRASS MIX (if specified)	
60%	KENTUCKY BLUEGRASS (blend of 3 cultivars)
30%	PERENNIAL RYEGRASS (blend of 2 cultivars)
10%	CREEPING RED FESCUE
	(Apply at 7 lbs./1,000 S.F. for mechanical seeding)
2. SALT TOLERANT MIX (if specified)	
40%	'FULTS' ALKALI GRASS (PUCCINELLIA DISTANS)
30%	CREEPING RED FESCUE
20%	KENTUCKY BLUEGRASS
10%	PERENNIAL RYEGRASS
	(Apply at 5 lbs./1,000 S.F. for mechanical seeding)

The percentage of hard seed included as a part of the germination percentage of any lot of seed, shall not exceed twenty. Kentucky bluegrass seed shall weigh a minimum of 28 pounds to the nearest measured bushel. Weed seed content shall not exceed 0.25%.

1. PACKING AND MARKETING

All seeds shall be delivered in suitable bags in accordance with standard commercial practice. Each bag shall be tagged or labeled as required by the law of the STATE OF ILLINOIS. The vendor's name shall show on or be attached to each bag together with a statement signed by the vendor showing: a) the kind of seed contained, b) the percentage of purity and germination, c) the percentage of hard seed, if any, d) a statement conforming to the laws of the STATE OF ILLINOIS hereinbefore mentioned showing percentage of weed seeds, if any. Seed which has become wet, moldy, or otherwise damaged will be rejected.

2.4 EROSION CONTROL BLANKET

1. STRAW BLANKET (if specified)
a. S-75 Straw Blanket (North American Green)
b. AEC Premier Straw Blanket (American Excelsior Company)
c. or equivalent

2. STRAW/COCONUT BLANKET (if specified)
a. SC-150 Straw/Cocnut Blanket (North American Green)
b. AEC Premier Straw/Cocnut Blanket (American Excelsior Company)
c. or equivalent

2.5 HYDROMULCH (if specified)
SoilCover Hydraulic Wood Mulch by Profile distributed by ERO-TEX (866)437-6839

2.6 SOD (if specified)
Sod shall comply with State and Federal laws with respect to inspection for plant diseases and insect infestation. It shall be fresh cut, live, nursery grown sod, not less than one and one half (1 1/2) inches thick having well-matted roots. The root zone shall be of good, fertile, natural mineral soil free from stones and debris. Peat sod will not be acceptable. The turf shall contain no bent or quack grass nor any other noxious weed growth. It shall be of firm tough texture having a compact growth of grass. The sod sections shall be standard in size (24 inches wide x 3 feet in length) and each section shall be strong enough to support its own weight and retain its size and shape when suspended vertically from a firm grasp on the upper ten (10%) percent of the section.

Before being cut and lifted, the sod shall have been mowed at least twice with a lawn mower and the final mowing not more than seven days before the sod is cut. Sod which is not placed within 48 hours of cutting shall not be used without the approval of the Owner and/or Landscape Architect.

The Owner and/or Landscape Architect, reserves the right to inspect the sod at the source before cutting and areas that fail to meet with his approval shall not be cut for the purpose of supplying material under the contract. The Owner and/or Landscape Architect shall be permitted to take such samples as he may select. All sod shall be fresh and green when placed. Any sod that is dried out, burned, inferior in quality to said samples, or in any way failing to meet the requirements of these specifications will be rejected and the Contractor shall immediately remove such rejected material from the premises of the project and supply suitable material in its place.

1. BLUEGRASS SOD shall be a blend of at least three (3) cultivars of Kentucky bluegrass grown on a mineral base.

2. SALT SOD (if specified) shall be a blend of Kentucky Bluegrass, 'Fults' Alkalie Grass (Puccinellia Distans), Perennial Ryegrass and other types as approved by the Landscape Architect grown on a mineral base.

2.7 WATER

The Owner shall provide at no cost, sufficient water for the Contractor to maintain plant materials and seeded and sodded areas in accordance with the requirements of the applicable technical specifications. Potable water shall be supplied by the Owner by way of a permanent underground irrigation system, quick coupler system, hose bibs, fire hydrants or a designated fill-up source for mobile tanks. When water is provided by way of fire hydrants, it shall be the Contractor's responsibility to be completely familiar with all local ordinances concerning the use of this water source. If a meter is required, it is the Contractor's responsibility to obtain, store and return the meter. All fees incurred by the Contractor in obtaining the meter and utilizing the water supply will be reimbursed to him by the Owner.

In the event that the on-site water supply is curtailed or terminated by the Owner or by ordinance during the period the Contract is in effect, or that there is no on-site sources of water, the Contractor shall supply water from off-site in sufficient quantities to complete the job. Compensation for this additional item will be in accordance with a solicited price quote. If authorization to supply off-site water is not given to the Contractor by the Owner, when the Owner is unable to supply the water in sufficient quantities, the Contractor shall not be left responsible for damage to new plantings (plant materials & sod) or failure of seed to germinate and grow caused a direct result of an inadequate water supply.

PART 3 - EXECUTION

3.1 SEED - The accepted seasons for sowing seed in lawn areas shall be defined as follows:

PLANTING SEASONS	SPRING	FALL
Turf grass	April 1 * to May 31	Aug. 15 to Sept. 30

* or as soon as the soil is free of frost and in a workable condition.

Seeding during other time periods shall require the approval of the Owner and/or Landscape Architect. All sowing of seed shall be completed after all trees and shrubs have been installed, if any.

3.2 SOD - The accepted seasons for laying sod shall be as follows:

1. SPRING SODDING shall be performed from the time the soil becomes workable and unfrozen sod becomes available to June 15.
2. FALL SODDING shall be performed from August 15 to October 31.

Sodding during the summer season, defined as June 16 to August 14, will be acceptable if the area is served by an operational irrigation system. Sodding after November 1 shall be considered unseasonable and will require the approval of the Landscape Architect or Owner.

3.3 REQUIRED MAINTENANCE

The Contractor shall be responsible for maintaining all newly seeded and sodded areas until such a time as these areas are granted acceptance by the Owner and/or Landscape Architect. Maintenance during this time period shall and consist of watering, mowing, fertilization and herbicide application, as well as any other horticultural practices necessary to establish an acceptable stand of grass.

A. WATERING

1. The Contractor shall water all newly **seeded** areas once immediately upon completion. Additional watering shall be performed as needed in the absence of adequate rainfall. All water should be applied as a spray or dispersion to prevent run-off or damage. The Contractor shall be responsible for watering until turf is established and accepted. If the Owner supplies an in-ground irrigation system, the Contractor shall be responsible for monitoring the effectiveness of the system and shall report any problems with the system to the Owner immediately, followed up in writing. If the Owner does not provide an irrigation system, then additional watering shall be performed in accordance with the Supplemental Bids where alternate watering prices shall be quoted. If this work item is not included as part of the original Contract, it must be authorized. Compensation shall be in accordance with the Supplemental Bid Prices. If the Owner fails to supply water or authorize supplemental watering the Contractor's warranty for providing an established stand of turf will be voided.

2. The Contractor shall water all newly installed **sod** immediately. The Contractor shall remain responsible for watering through three (3) applications. If the Owner supplies an in-ground irrigation system included in the scope of these improvements, the Contractor shall be responsible for monitoring the effectiveness of the system and shall report any problems with the system to the Owner immediately, followed up in writing. If the Owner does not provide an irrigation system, then additional watering shall be performed in accordance with the Supplemental Bids where alternate watering prices shall be quoted. If this work item is not included as part of the original Contract, it must be authorized. Compensation shall be in accordance with the Supplemental Bid Prices. If the Owner fails to supply water or authorize supplemental watering the Contractor's warranty for providing an established stand of turf will be voided. Watering after the required three (3) waterings shall be the responsibility of the Owner, or in accordance with authorized supplemental watering.

B. MOWING

1. The Contractor shall mow all **seeded** areas three (3) times. The three (3) mowings shall be performed once the turf has reached a height of three inches (3") and shall maintain the turf at 2-2½". At no time should more than 1/3 of the leaf blade be removed by any mowing.

2. The Contractor shall mow all **sodded** areas once. The one (1) mowing shall be performed once the turf has reached a height of three inches (3"). At no time should more than 1/3 of the leaf blade be removed by any mowing.

C. FERTILIZATION

1. **Seeded** areas after completion of the second required mowing, the Contractor shall apply an 18-5-9 commercial fertilizer at the rate of 15 pounds per 1,000 square feet (650 lbs/ac.) to all turf areas using a mechanical spreader and by making two (2) passes at right angles to each other.

2. **Sodded** area after completion of the required mowing, the Contractor shall apply an 18-5-9 commercial fertilizer at the rate of 15 pounds per 1,000 square feet (650 lbs/ac.) to all turf areas using a mechanical spreader and by making two passes at right angles to each other.

D. HERBICIDE

The Contractor shall be responsible for one (1) application of a weed control product no sooner than the second mowing with the areas seeded. The product shall reflect the specific weed problem which may exist.

3.4 ACCEPTANCE

Acceptance of seeded areas will be determined by the Owner and/or Landscape Architect.
Acceptance shall be granted upon conformance with the following:
1. Grass shall display a reasonably uniform distribution of grass plants.
2. Grass shall display vigorous growth and be green and healthy in appearance.
3. Grass shall have received the required mowings, fertilization and herbicide application.

The Contractor shall not be held liable for damage incurred to the seed areas caused by deicing compounds, toxic substances, fertilizers, pesticides and other materials not specified or not applied by him or under his supervision, nor those damages caused by vandalism or acts of nature.

3.5 GUARANTEE

The Contractor shall guarantee the provision of a green, healthy relatively weed free turf at the time of acceptance.

TEMPORARY WATERING

Temporary watering shall be performed via a temporary above ground irrigation system from the building water supply and/or from water trucks.

A. Kentucky Bluegrass Sod

1. Immediately subsequent to sod installation all areas shall be watered to a depth of one (1) inch Additional watering shall be performed to a total of fifteen (15) times approximately every other day for a minimum of a one (1) month period. During extremely hot periods, often between June 15th and August 31st, watering daily may be required.

2. Newly laid sod must be kept moist, but not water logged. The moisture should extend into the soil below the sod to encourage root development. A general rule-of-thumb is to apply one (1) inch of water every other day in the absence of adequate rainfall. Early morning watering is preferred and should not be performed after 1:00 PM. Watering personnel shall routinely probe the sodded areas in multiple locations to determine moisture levels and the watering program should be adjusted as needed. Newly laid sod should not be allowed to dry out as during the initial 2-3 weeks subsequent to laying, dryness will cause shrinkage leaving unwanted open gaps between bales.

3. Depending on conditions, sod may take 1-3 weeks to root into the soil. Once the sod takes root, watering frequency can be gradually reduced. One (1) inch of water applied once a week is generally acceptable except during hot periods.

B. Seed Mixes with Straw Blanket (if any)

1. Immediately after the completion of seeding operations, all seed & blanket areas shall be watered to a depth of two (2) inches. Additional watering shall be performed to a total of fifteen (15) times.

2. During the seed germination period, seeded areas shall be kept moist in the absence of adequate rainfall to a depth of one (1) inch. A fine spray should be utilized to avoid seed bed disturbance/erosion. Watering personnel shall routinely probe the seeded areas in multiple locations to determine moisture levels and the watering program should be adjusted accordingly. A five to ten (5-10) minute watering duration is generally adequate. During the germination period, daily watering may be required during extremely hot periods.

3. Once the seed has fully germinated (not just the cover crop) the watering shall be increased to a two (2) inch depth. The soil should be allowed to dry out between waterings and generally every other day watering during this stage is adequate, depending on rainfall.

C. Plant Material Watering

1. All plants shall receive a thorough watering immediately subsequent to installation including a minimum of four (4) additional waterings when needed.

2. During times of extreme heat, all evergreen and deciduous trees shall receive a minimum of ten (10) gallons of water per tree per watering. Hand injection probe watering or slow release watering bags are the preferred methods for effectively applying water to trees. The use of 20-gallon slow-release irrigation tree bags is highly encouraged and may be substituted for the above mentioned injection waterings. Such watering bags shall be kept operational for a minimum of five (5) continuous days. If this watering method is used in lieu of injection waterings, they shall be provided, as weather conditions dictate, for three (3) watering periods of five (5) continuous days each.

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The drawings, specifications, design ideas, and other information contained within as prepared by the Landscape Architect and/or Land Planner for this project are instruments of the Landscape Architect's and/or Land Planner's service, for use solely with respects to this project and, unless otherwise provided, the Landscape Architect and/or Land Planner shall be deemed the author of these documents and shall retain all common law, statutory, and other rights, including copyright. This drawing is not to be reproduced without the expressed written consent of Heritage Oak Studios, LLC.

REVISIONS

5 - Per Village Review #3	2025-01-29
4 - Per Village Review #2	2024-12-17
3 - Per Initial Village Review	2024-11-07
2 - Per Engineering	2024-09-19
1 - Per Tree Survey	2024-09-09

OLD ARLINGTON HEIGHTS ROAD TOWNHOMES

3301 Old Arlington Heights Rd.
Arlington Heights, Illinois

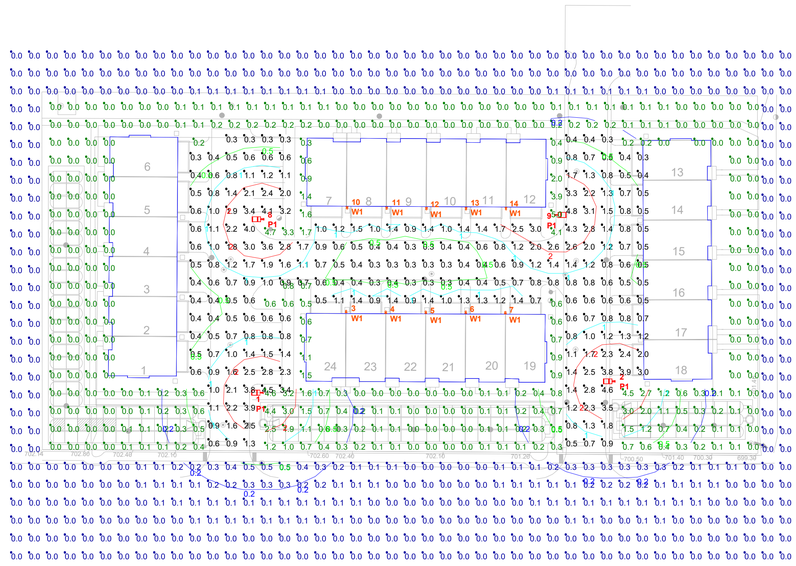
HERITAGE OAK STUDIOS, LLC
Landscape Architects
24301 White Oak Drive
Plainfield, IL 60585
PHONE: 815-531-4415

LANDSCAPE SPECIFICATIONS

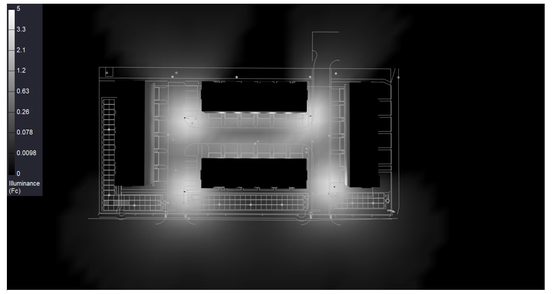
DATE: 2024-08-14
SCALE:
PLANNER: RP
DRAWN BY: RP
CHECKED:

SHEET
L-2

PROJECT NO.: 1524-2417



Scale: 1 inch= 40 Ft.



NOTES:
* The light loss factor (LLF) is a product of many variables. RAB's standard is to use the initial 1.0 LLF in accordance with most municipal lighting ordinance light trespass requirements, unless otherwise noted.

* Illumination values shown (in footcandles) are the predicted results for planes of calculation either horizontal, vertical or inclined as designated in the calculation summary. Meter orientation is normal to the plane of calculation.

* The calculated results of this lighting simulation represent an anticipated prediction of system performance. Actual measured results may vary from the anticipated performance and are subject to means and methods which are beyond the control of RAB Lighting Inc.

* Mounting height determination is job site specific, our lighting simulations assume a mounting height (insertion point of the luminaire symbol) to be taken at the top of the symbol for ceiling mounted luminaires and at the bottom of the symbol for all other luminaire mounting configurations.

* RAB disclaims all responsibility for the suitability of existing or proposed poles and bases to support proposed fixtures. This is the owner's, installer's and/or end-user's responsibility based on the weight and effective projected area ("EPA") of the proposed fixtures and the owner's site and soil conditions, wind zone, and many other factors. A professional engineer licensed to practice in the state the site is located should be engaged to assist in this determination.

* The landscape material shown hereon is conceptual and is not intended to be an accurate representation of any particular plant, shrub, bush, or tree, as these materials are living objects, and subject to constant change. The conceptual objects shown are for illustrative purposes only. The actual illumination values measured in the field will vary.

* Photometric model elements such as buildings, rooms, plants, furnishings or any architectural details which impact the dispersion of light must be detailed by the customer documents for inclusion in the RAB Lighting Design. The owner/contractor/customer/end-user must provide accurate and complete construction drawings that reflect what will be the final construction RAB is not responsible for any inaccuracies caused by incomplete, inaccurate, or outdated information provided by the owner/contractor/customer/end-user.

* RAB Lighting Inc. luminaire and product designs are protected under U.S. and International intellectual property laws. Patents issued or pending may apply. Please see www.rablighting.com/ip.

* The Lighting Analysis, EZLayout, Energy Analysis and/or Visual Simulation ("Lighting Design") provided by RAB Lighting Inc. ("RAB") represents an anticipated prediction of lighting system performance based upon design parameters and information supplied by others. These design parameters and information provided by others have not been field verified by RAB and therefore actual measured results may vary from the actual field conditions. RAB recommends that design parameters and other information be field verified to reduce variation.

* RAB does not warranty, either implied or stated, actual measured light levels or energy consumption levels as compared to those illustrated by the Lighting Design.

* RAB does not warranty, either implied or stated, nor represents the appropriateness, completeness or suitability of the Lighting Design as compliant with any applicable regulatory code requirements with the exception of those expressly stated on drawings created and submitted by RAB. The Lighting Design is issued, in whole or in part, as advisory documents for informational and convenience purposes only, is not intended for construction nor as a part of a project's construction documentation package, and should not be relied upon for any purpose.

* Immediately prior to any party ordering RAB products used in the Lighting Design, the ordering party must verify that the lumen output of the fixtures being ordered (as shown on RAB's website) match the lumen output shown in the Lighting Design. Occasionally, Lighting Designs previously provided use fixtures that are then updated prior to an order and such updates could change the lumen output of the fixture. This in turn, could impact the installed lighting performance that differs from the Lighting Design.

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description	PtSpcLr	PtSpcTb	Meter Type
Parking and Drives	Illuminance	Fc	1.21	4.8	0.3	4.03	16.00	readings taken 0'-0" afg	10	10	Horizontal
Site	Illuminance	Fc	0.33	5.0	0.0	N.A.	N.A.	readings taken 0'-0" afg	10	10	Horizontal
Spill	Illuminance	Fc	0.03	0.5	0.0	N.A.	N.A.	readings taken 0'-0" afg	10	10	Horizontal

Luminaire Schedule **All quotes/orders generated from this layout must be forwarded to the Local Rep Agency**

SYM	Qty	Tag	Label	ARR	Lum. Lumens	LLF	Description	Lum. Watts	Total Watts	BUG Rating	Mounting Height
	4	P1	A17-5T70 @ 70 W - 4000 K	Single	10996	1.000	Pole mounted (Type V)	69.6883	278.753	B3-U0-G2	20
	10	W1	CD34FA4W-20-508-ZC @ 4000 K	Single	1744	1.000	Wall mounted	17.68	176.8	B1-U4-G0	15

PLOT TO 24"X36"PAGE

Scale: as noted
Date:12/18/2024
PROJECT # 237566
CASE # 01500074
Filename: East County Lane Townhomes 01500074B.AGI
Drawn By:K. Gonzales, LC

Job Name:
East County Lane Townhomes
(Arlington Heights, IL)
Lighting Layout
Version B

Prepared For:
Casey Electric Sales, Inc.
1001 Industrial Drive
Bensenville, IL 60106
Tel: 630-860-3600

Filename: F:\@Completed\East County Lane Townhomes\Working Files\AGI\East County Lane Townhomes 01500074B.AGI

RAB
408 W 14th Street, New York, NY 10014
888 722-1000 • rablighting.com

A17-5T70

Color: Bronze

Weight: 8.8 lbs

Project:	**Type:**
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	0.58A/0.49A/0.41A
208V	0.33A/0.28A/0.24A
240V	0.30A/0.26A/0.21A
277V	0.27A/0.23A/0.19A
Input Watts	50.1-72.3W

LED Info

Watts	70/60/50W
Color Temp	3000K/4000K/5000K
Color Accuracy	81-83 CRI
L70 Lifespan	100,000 Hours
Lumens	7,633-11,047 lm
Efficacy	146.2-161.5 lm/W

Technical Specifications

Compliance

UL Listed:
Suitable for wet locations

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

IP Rating:
Ingress protection rating of IP65 for dust and water

DLC Listed:
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: S-KBNWRZ (Outdoor Pole/Arm-Mounted Area and Roadway Luminaires)S-RJC26D (Architectural Flood and Spot Luminaires)

Electrical

Driver:
70W: Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 0.58A, 208V: 0.33A, 240V: 0.30A, 277V: 0.27A
60W: Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 0.49A, 208V: 0.28A, 240V: 0.26A, 277V: 0.23A
50W: Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 0.41A, 208V: 0.24A, 240V: 0.21A, 277V: 0.19A

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:
3.61% at 120V, 14.52% at 277V

Power Factor:
99.91% at 120V, 91.9% at 277V

Surge Protection:
6kV

Performance

Lifespan:
100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Construction

IES Classification:
The Type V distribution produces light in a wide and uniform 360° pattern that is perfect for large outdoor areas such as parking lots, corporate parks and retail settings

Cold Weather Starting:
The minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature:
Suitable for use in up to 40°C (104°F)

Lens:
Polycarbonate lens

Housing:
Die-cast aluminum housing, lens frame and mounting arm

Vibration Rating:
3G vibration rating per ANSI C136.31

Effective Projected Area (Without Shield):
1 Fixture: 0.60 ft^2
2 Fixtures at 90°: 0.86 ft^2
2 Fixtures at 180°: 1.21 ft^2
3 Fixtures at 90°: 1.47 ft^2
4 Fixtures at 90°: 1.47 ft^2

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Technical Specifications (continued)

Effective Projected Area (With Shield):
1 Fixture: 0.64 ft^2
2 Fixtures at 90°: 1.14 ft^2
2 Fixtures at 180°: 1.28 ft^2
3 Fixtures at 90°: 1.8 ft^2
4 Fixtures at 90°: 1.8 ft^2

Mounting:
Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease. Round pole diameter must be >4" to mount fixtures at 90° orientation.

Finish:
Formulated for high durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components.

LED Characteristics

LEDs:
Long-life, high-efficiency, surface-mount LEDs

Color Uniformity:
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Optical

BUG Rating:
B3 U0 G2

Other

5 Yr Limited Warranty:
The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

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Ordering Matrix

Family		Distribution	Wattage/Lumens	Mounting	Color Temp	Finish	Voltage	Options
A17	–	5T	70					
		4T = Type IV **5T =** Type V **3T =** Type III	**70 =** 70/60/50W **100 =** 100/80/60W **150 =** 150/120/100W **200 =** 200/180/160W **300 =** 300/240/200W **375 =** 375/300/240W **480 =** 480/400/320W	**SF =** Slipfitter (Factory installed SF available in 150W) **Blank =** Universal Pole Mount	**Blank =** 3000K/4000K/5000K CCT Adjustable	**Blank =** Bronze	**Blank =** 120-277V, 0-10V Dimming **/480 =** 480V, 0-10V Dimming	**Blank =** No Option **/3PRS =** 3-pin Receptacle and Shorting Cap **/7PRS =** 7-pin Receptacle and Shorting Cap **/MVS =** Microwave Motion Sensor **/LCBS =** Lightcloud Blue Enabled w/PIR Sensor **/LCBS/MVS =** Lightcloud Blue Enabled w/MVS Sensor

[1] *480V driver available standard on 150W and 300W and by special order on 100, 240 and 375W. Not available on 70W or 200W models.*

Type II distribution available as special order

Wall mount and adjustable universal pole mount available as optional field-installed accessories

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PR4-11-20D2

Color: Bronze

Weight: 117.3 lbs

Project:	Type:
Prepared By:	Date:

Technical Specifications

Compliance

CSA Listed:
Suitable for wet locations

Performance

Description:
Steel pole 4" round 11 gauge 20 foot drilled two sides square base

Construction

Shaft:
46,000 p.s.i. minimum yield.

Hand Holes:
Reinforced with grounding lug and removable cover

Base Plates:
Slotted base plates 36,000 p.s.i.

Color:
Bronze powder coating

Height:
20 ft

Gauge:
11

Wall Thickness:
1/8"

Shaft Size:
4"

Anchor Bolt Templates:
WARNING Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available online.

Max EPA's/Max Weights:
70MPH 7.4 ft/500 lb.
80MPH 5.5 ft/460 lb.
90MPH 3.3 ft/430 lb.
100MPH 2.1 ft/320 lb.
110MPH 1.1 ft/200 lb.
120MPH 0.5 ft/110lb

Accessories:
Base/Cap: BCK-R4
Anchor Bolts: BOLT4/11

Other

Terms of Sale:
Pole Terms of Sale is available online.

Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

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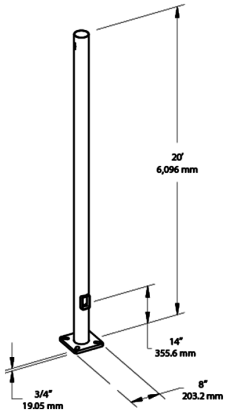
PR4-11-20D2

Dimensions



Features

- Designed for ground mounting
- Heavy duty TGIC polyester coating
- Reinforced hand holes with grounding lug and removable cover for easy wiring access
- Pole caps, base covers & bolts are sold separately
- Custom manufactured for each application

Ordering Matrix

Family	Shape	Size	Gauge	Height	Drilled/Welded Tenon
P	R	4	11	20	D2
	R = Round **TR =** Tapered Round	**4 =** 4" **5 =** 5" **6 =** 6" **7 =** 7" **8 =** 8"	**7 =** 7 **11 =** 11	**10 =** 10' **15 =** 15' **20 =** 20' **25 =** 25' **30 =** 30'	**D2 =** Drilled **WT =** Welded Tenon

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CD34FA4W-20-508-KC

Economical cylinders with field adjustable options to fit any indoor or outdoor application.

Color: Black

Weight: 3.3 lbs

Project:	**Type:**
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	0.18A
208V	0.11A
240V	0.09A
277V	0.08A
Input Watts	20W

LED Info

Watts	20W
Color Temp	Field Adjustable 3000K/4000K/5000K
Color Accuracy	80 CRI
L70 Lifespan	100,000 Hours
Lumens	1,693 lm
Efficacy	94

Technical Specifications

Performance

Description:
This 4-inch CD34 cylinder with integrated photocell is ideal for wall mounting in outdoor applications. Field adjustable light output (up/down/both) and color temperature (3000/4000/5000K).

Product Type:
Economy Cylinder

Wattage Equivalency:
Equivalent to 100W Incandescent

Input Wattage:
20W

Lumens:
1,693lm

Efficacy:
94lm/W

Note:
Lumens and efficacy values are based on the highest wattage output at 3000K

L70 Lifespan:
100,000-Hour LED lifespan based on IES LM-70 results

Electrical

Driver:
Constant Current, Non-Isolated Driver, 50/60 Hz, 120-277V, 120V: 0.18A, 208V: 0.11A, 240V: 0.09A, 277V: 0.08A

THD:
<20%

Power Factor:
>0.9

Dimmable:
No

Input Voltage:
120-277V

Operating Frequency:
50/60Hz

Operating Temperature:
-22°F to 122°F (30°C to 50°C)

Flicker:
<30%

LED Characteristics

LEDs:
LED array provides a uniform source with high efficiency and no pixilation

Color Temperature:
Field Adjustable: 5000K/4000K/3000K

Color Accuracy (CRI):
80 CRI

R9 Value:
High color performance with R9 less than or equal to 1

Color Consistency:
<5-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Installation

Mounting:
Wall mount

Construction

Size:
4"

Shape:
Cylinder

Finish:
Formulated for high durability and long-lasting color

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Technical Specifications (continued)

Housing Material:
Cylinder aluminum extrusion/cover aluminum die casting

Gaskets:
Gasket included can achieve restrictive airflow and wet location without any additional gasket or caulk

Lens:
Regressed lens constructed from impact resistant polycarbonate. Convex lens gives the optic a similar lamp-like appearance. Provides smooth and diffuse light distribution.

Lens Finish:
Clear

Optical

Beam Angle:
50°

Compliance

ETL Listed:
This product has been tested by Intertek and found in compliance with accepted national standards.

Indoor/Outdoor:
Suitable for indoor and outdoor use

Environment:
Suitable for use in dry, damp, and wet environments.

Fixture Rating:
Open

Energy Star Approved:
ENERGY STAR® Version 2.2 Certified

Energy Star ID:
2400418

Certification Model Number:
CD1004(CD34FA4W-20-508-KC)

California Energy Commission (CEC) Status:
Lawful for Sales in California

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

RoHS:
Mercury and UV free. RoHS-compliant components.

FCC:
Complies with Part 15B of the FCC Rules

Other

5 Yr Limited Warranty:
The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Note:
All values are typical (tolerance +/- 10%)

Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

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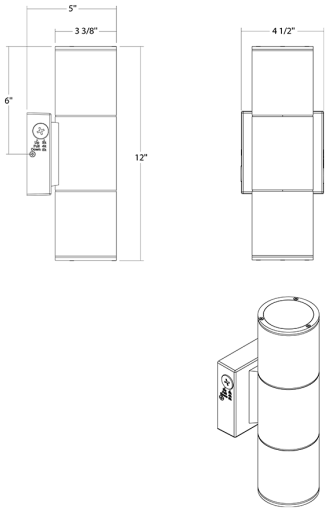
Dimensions



Features

- Aluminum extrusion housing and die-casting covers
- Field adjustable light output, select from up/down/both
- Field adjustable color temperatures between 5000/4000/3000K
- Integrated photocell
- IP65 rated

Ordering Matrix

Family	Size	Mounting	Wattage Distribution	Optic	Color Temp	CRI	Finish	Voltage	Lens
CD34FA	4	W	20	50		8	K		C
	3 = 3" **4 =** 4" **6 =** 6"	**W =** Wall Mount	**10 =** 5W up/5W down (3" only) **20 =** 10W up/10W down (4" only) **36 =** 18W up/18W down (6" only)	**50 =** 50° beam [1] **70 =** 70° beam [3]	**Blank =** 3000K/4000K/5000K CCT Adjustable	**8 =** 80 CRI	**W =** White **K =** Black **Z =** Bronze	**Blank =** 120-277V	**C =** Clear

[1] *3" and 4" models only available in 50Â°*
[2] *6" models only available in 70Â°*

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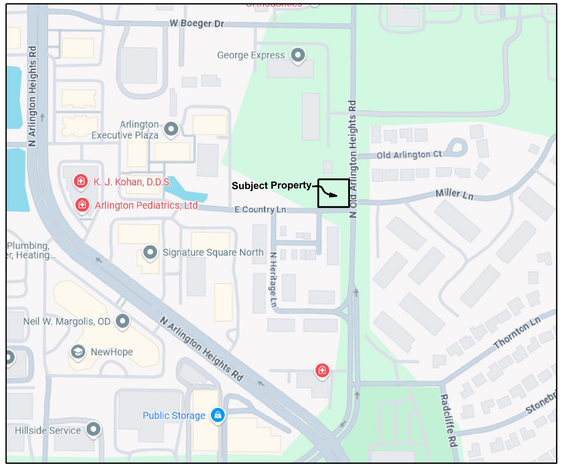
PRELIMINARY ENGINEERING FOR

EAST COUNTRY LANE TOWNHOMES

ARLINGTON HEIGHTS, ILLINOIS

LOCATION MAP NORTH



INDEX

1. COVER SHEET
2. EXISTING CONDITIONS
3. GEOMETRIC PLAN
4. GRADING PLAN
5. UTILITY PLAN

S1. STORMWATER MANAGEMENT SHEET S1
A1BW. AUTO-TURN - BLACK AND WHITE
A1C. AUTO-TURN - COLOR
A2BW. AUTO-TURN - BLACK AND WHITE
A2C. AUTO-TURN - COLOR
A3BW AUTO-TURN - CROSS ACCESS ROUTE (11X17) BLACK AND WHITE
A3C. AUTO-TURN - CROSS ACCESS ROUTE (11X17) COLOR
H. FIRE DEPT. PERIMETER HOSE ROUTING EXHIBIT
C. SOUTHERN WATER MAIN MASTER METER VAULT LOCATION DETAIL

LEGEND

EXISTING	PROPOSED		EXISTING	PROPOSED	
		SANITARY SEWER			CENTER LINE
		FORCE MAIN			EASEMENT
		STORM SEWER			BUILDING SETBACK
		P.V.C. STORM SEWER			CURB & GUTTER
		COMBINED SEWER			CURB & REVERSE GUTTER PITCH
		DRAIN TILE			DEPRESSED CURB & GUTTER
		WATER MAIN			GUARD RAIL
		TRENCH BACKFILL			FENCE
		MANHOLE			RETAINING WALL
		CATCH BASIN			CURB RAMP
		INLET			DRIVEWAY HAND
		2' STORM MANHOLE			SIGN
		INLET MANHOLE	MB	MB	MAIL BOX
		FLARED END SECTION			SOIL BORING
		HEAD WALL			DECIDIOUS TREE, DIAMETER
LS	LS	LIFT STATION			EVERGREEN TREE, HEIGHT
		CLEAN-OUT	T/F 600.00	*T/F 600.00*	TOP OF FOUNDATION
M	M	METER VAULT	F/G 600.00	*F/G 600.00*	FINISHED GRADE
		VALVE VAULT	600.00	*600.00*	SPOT ELEVATION
		VALVE BOX	T/C 600.00	*T/C 600.00*	TOP OF CURB ELEVATION
		BUFFALO BOX	F/L 600.00	*F/L 600.00*	FLOW LINE OF GUTTER
		FIRE HYDRANT	600	*600*	CONTOUR
		CONFLICT			DITCH
		CROSSING			DRAINAGE FLOW
		TRIPLE BASIN			OVERLAND FLOW
GB	GB	GREASE BASIN	R-600.00	*R-600.00*	RIM ELEVATION
G	G	GAS MAIN	I-600.00	*I-600.00*	INVERT ELEVATION
E	E	ELECTRIC CABLE			WETLAND LIMIT
T	T	TELEPHONE CABLE			
F	F	FIBER OPTIC CABLE			
C	C	CABLE			
		STREET LIGHT			
		UTILITY POLE			
		PEDESTAL			
		TRANSFORMER			
G	G	GAS VALVE			
E	E	ELECTRIC BOX			

LEGAL DESCRIPTION:

PARCEL 1
LOT 15 IN FREEDOM SMALL FARMS, BEING A SUBDIVISION IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER AND THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 8, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

PARCEL 2
LOT 16 IN FREEDOM SMALL FARMS, BEING A SUBDIVISION IN THE NORTHWEST QUARTER IF THE NORTHWEST QUARTER AND THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 8, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

KNOWN AS: **3255-3310 N. OLD ARLINGTON HEIGHTS ROAD, ARLINGTON HEIGHTS, ILLINOIS**

SITE BENCHMARK:

SOUTHWEST BOLT ON FIRE HYDRANT LOCATED NORTH OF NORTHEAST PROPERTY CORNER. ELEVATION 703.84 (NAVD88)

PROJECT SURVEY & TOPOGRAPHY PROVIDED BY UNITED SURVEY

PROPERTY INDEX NUMBERS:

03-08-100-018-0000
03-08-100-019-0000

DRAINAGE CERTIFICATE

TO THE BEST OF OUR KNOWLEDGE AND BELIEF THE DRAINAGE OF SURFACE WATERS WILL NOT BE CHANGED BY THE CONSTRUCTION OF THIS DEVELOPMENT OR ANY PART THEREOF, OR, THAT IF SUCH SURFACE WATER DRAINAGE WILL BE CHANGED, REASONABLE PROVISION HAS BEEN MADE FOR COLLECTION AND DIVERSION OF SUCH SURFACE WATERS INTO PUBLIC AREAS, OR DRAINS WHICH THE DEVELOPER HAS A RIGHT TO USE, AND THAT SUCH SURFACE WATERS WILL BE PLANNED FOR IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES SO AS TO REDUCE THE LIKELIHOOD OF DAMAGE TO THE ADJOINING PROPERTY BECAUSE OF THE CONSTRUCTION OF THIS DEVELOPMENT.

PEARSON, BROWN & ASSOCIATES, INC. — 02/28/2025
REGISTERED PROFESSIONAL ENGINEER — DATE

OWNER OR OWNER'S DULY AUTHORIZED AGENT — DATE

PREPARED FOR:

CORNERSITE, LLC

CONSULTING ENGINEERS:

PEARSON, BROWN & ASSOCIATES, INC.

A PROFESSIONAL DESIGN FIRM - ILLINOIS PROFESSIONAL ENGINEERING CORPORATION - LICENSE NUMBER 184-001058 EXPIRES 04/30/25
1850 W. WINCHESTER ROAD - SUITE 205 LIBERTYVILLE, IL. 60048 (847) 367-6707

NOT FOR CONSTRUCTION

CONTACT JULIE AT 8-1-1 OR 800-892-0123
With the following:
County Cook
City/Twnship Arlington Heights, T42N R11E
Sec 1/4 Sec No. Sec 8, NW 1/4
Call 2 working days BEFORE YOU DIG.
illinois1call.com

PERMIT	NUMBER	DATE ISSUED

	REVISIONS	
1	11/07/24	REVISED PER VILLAGE REVIEW
2	12/18/24	REVISED PER VILLAGE REVIEW
3	01/24/25	REVISED PER VILLAGE REVIEW
4	02/28/25	REVISED PER VILLAGE REVIEW
5		
6		
7		
8		
9		
10		
11		
12		

JOHN F. CERBUS
062-052376
REGISTERED PROFESSIONAL ENGINEER
OF
STATE OF ILLINOIS
Exp. 11/30/25
ENGINEER'S SEAL & SIGNATURE

ORIGINAL ISSUE DATE: 09/18/24

SHEET NUMBER 1 OF 5 SHEETS

JOB No. 24140

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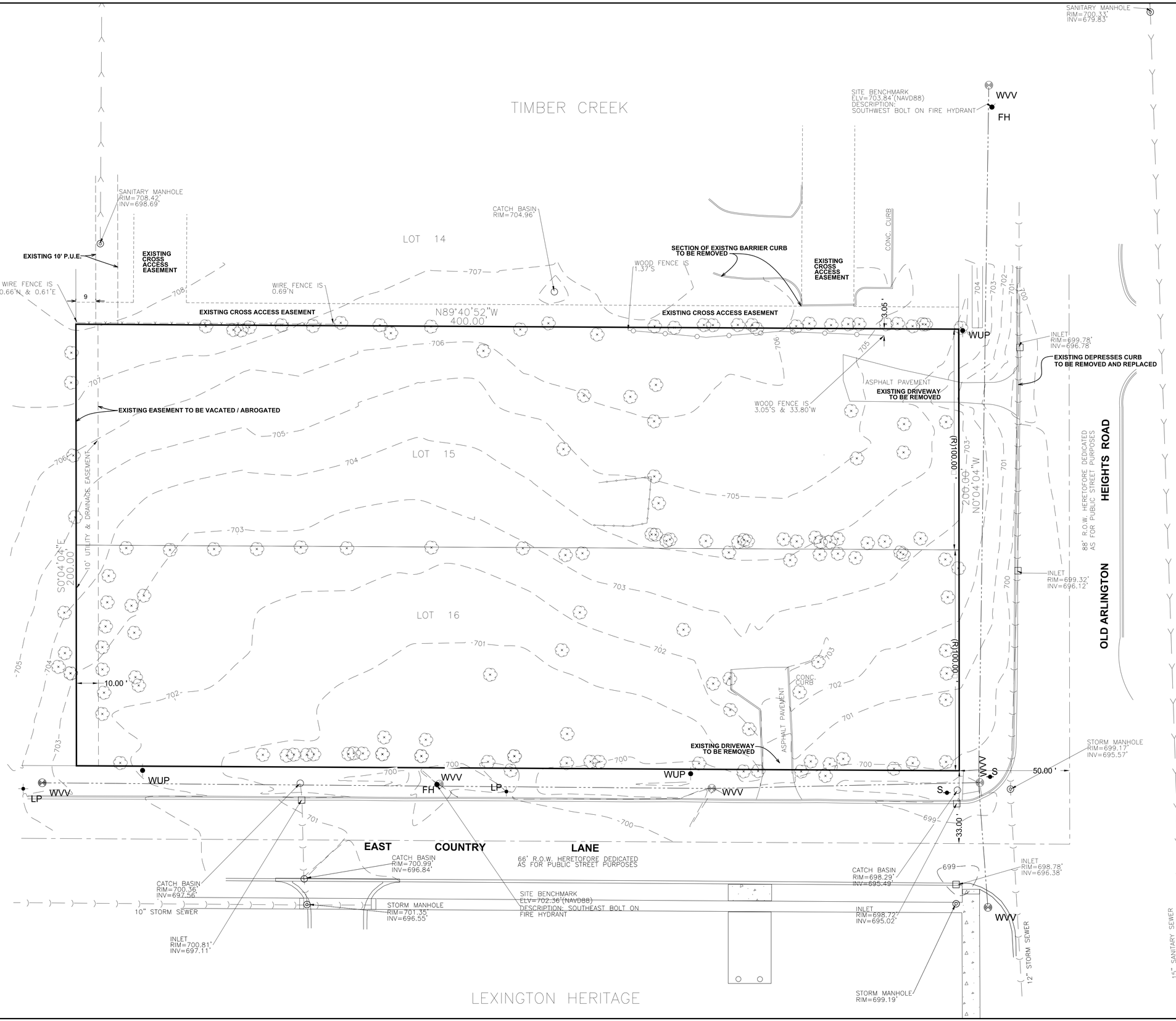

NORTH

SCALE: 1" = 20'

EAST COUNTRY LANE TOWNHOMES

ARLINGTON HEIGHTS, ILLINOIS

PEARSON, BROWN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1850 W. WINCHESTER ROAD - SUITE 205
LIBERTYVILLE, IL. 60048
PHONE: (847) 367-6707
FAX: (847) 367-2567
E-MAIL ADDRESS: pba@pbaengineers.com

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DESIGNED BY: D.S.H.
DRAWN BY: A.Z.
CHECKED BY: J.F.C.
ORIGINAL ISSUE: 09/18/24

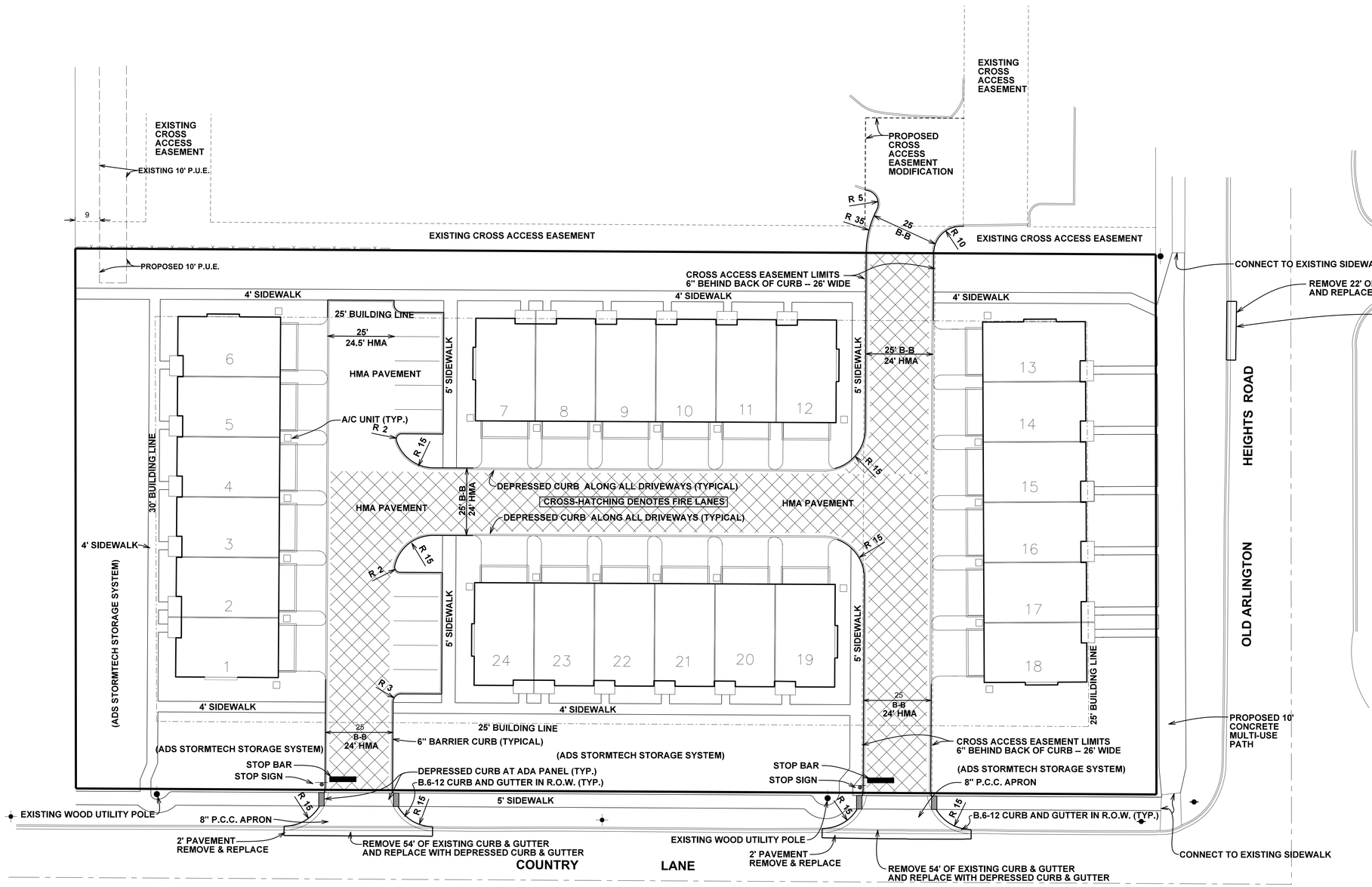
REVISIONS

DATE	BY	DESCRIPTION
11/07/24	JFC	REVISED PER VILLAGE REVIEW
12/18/24	JFC	REVISED PER VILLAGE REVIEW
01/24/25	JFC	REVISED PER VILLAGE REVIEW
02/28/25	JFC	REVISED PER VILLAGE REVIEW

EXISTING CONDITIONS

SHEET NUMBER 2 OF 5 SHEETS

JOB No. 24140



HMA PAVEMENT SECTION: SN = 3.71
2" HMA SURFACE
2-1/4" N-50 BINDER
5" N-50 BINDER
4" CA-6 AGGREAGRE SUB-BASE

NORTH

SCALE: 1" = 20'

EAST COUNTRY LANE TOWNHOMES

ARLINGTON HEIGHTS, ILLINOIS

PEARSON,BROWN & ASSOCIATES,INC.
CONSULTING ENGINEERS
1850 W. WINCHESTER ROAD - SUITE 205
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E-MAIL ADDRESS: pba@pbaengineers.com

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DESIGNED BY: D.S.H.
DRAWN BY: A.Z.
CHECKED BY: J.F.C.
ORIGINAL ISSUE: 09/18/24

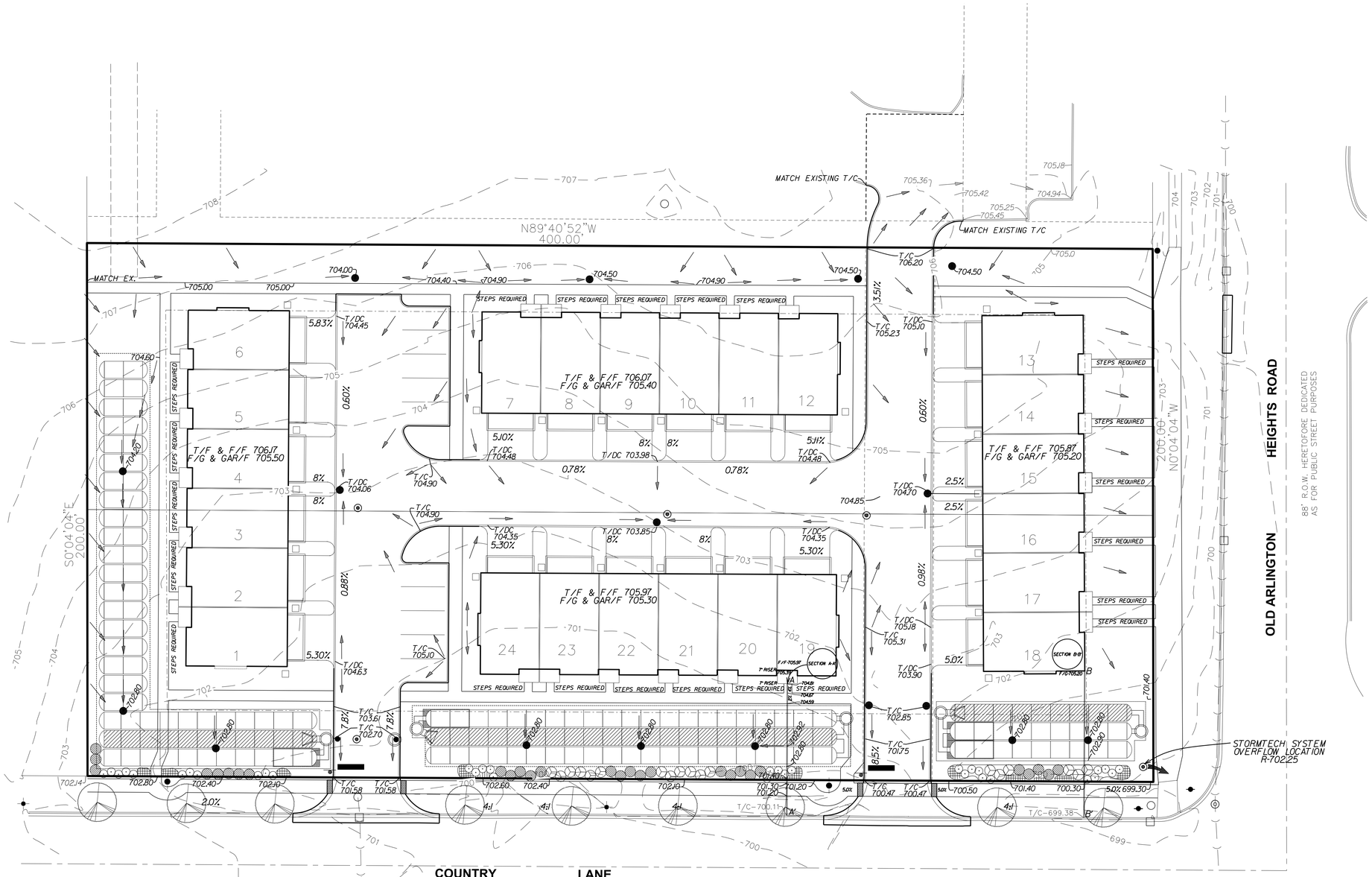
REVISIONS

DATE	BY	DESCRIPTION
11/07/24	JFC	REVISED PER VILLAGE REVIEW
12/19/24	JFC	REVISED PER VILLAGE REVIEW
01/24/25	JFC	REVISED PER VILLAGE REVIEW
02/28/25	JFC	REVISED PER VILLAGE REVIEW

GEOMETRIC PLAN

SHEET NUMBER 3 OF 5 SHEETS

JOB No. 24140



NORTH

SCALE: 1" = 20'

EAST COUNTRY LANE TOWNHOMES

ARLINGTON HEIGHTS, ILLINOIS

PEARSON, BROWN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1850 W. WINCHESTER ROAD - SUITE 205
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PHONE: (847) 367-6707
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E-MAIL ADDRESS: pba@pbaengineers.com

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DESIGNED BY: D.S.H.
DRAWN BY: A.Z.
CHECKED BY: J.F.C.
ORIGINAL ISSUE: 09/18/24

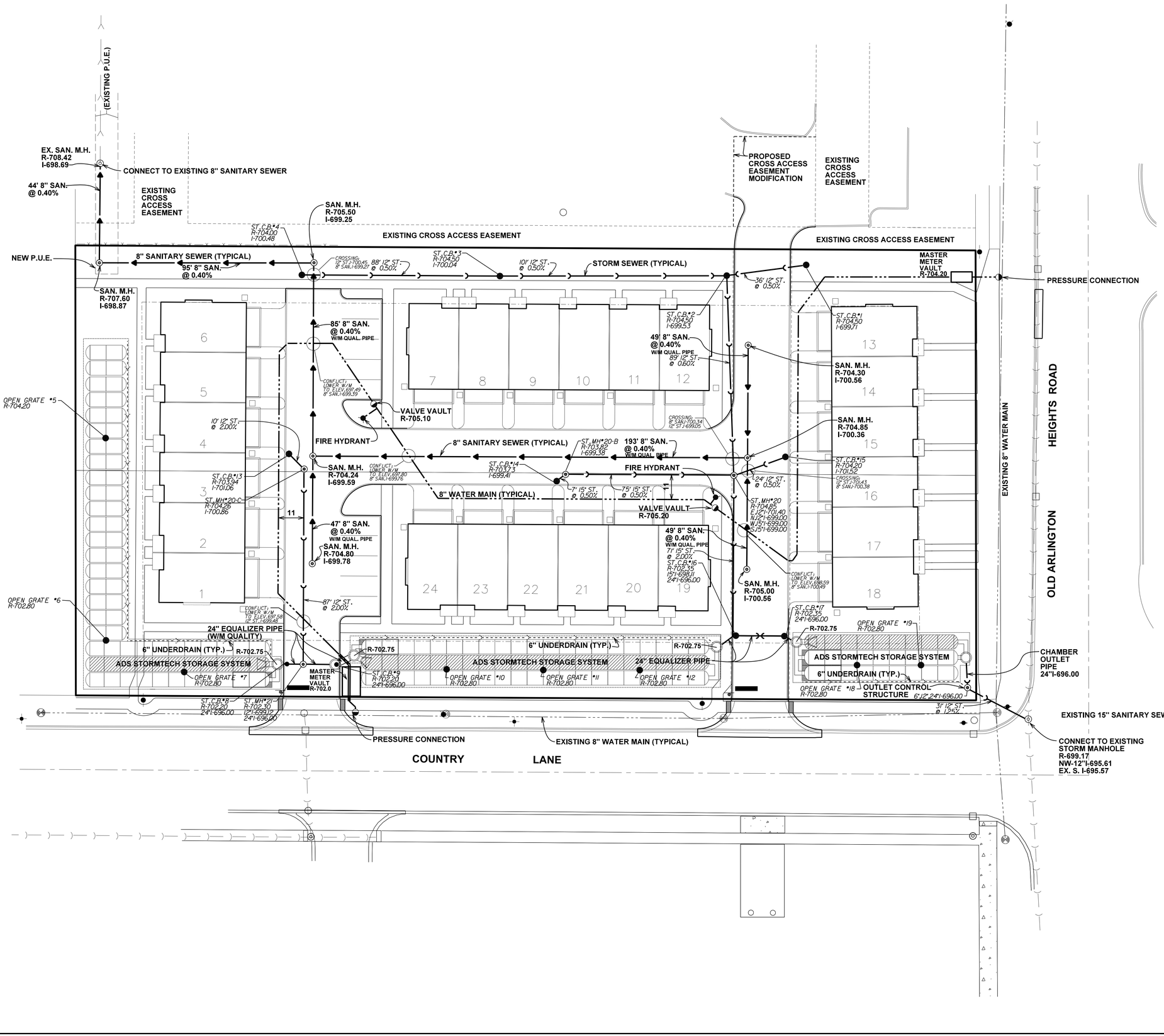
REVISIONS

DESCRIPTION	DATE	BY
REVISED PER VILLAGE REVIEW	11/07/24	JFC
REVISED PER VILLAGE REVIEW	12/19/24	JFC
REVISED PER VILLAGE REVIEW	01/24/25	JFC
REVISED PER VILLAGE REVIEW	02/28/25	JFC

GRADING PLAN

SHEET NUMBER
4
OF 5 SHEETS

JOB No. 24140



NORTH

SCALE: 1" = 20'

EAST COUNTRY LANE TOWNHOMES

ARLINGTON HEIGHTS, ILLINOIS

PEARSON,BROWN & ASSOCIATES,INC.
CONSULTING ENGINEERS
1850 W. WINCHESTER ROAD - SUITE 205
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E-MAIL ADDRESS: pba@pbaengineers.com

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DESIGNED BY: D.S.H.
DRAWN BY: A.Z.
CHECKED BY: J.F.C.
ORIGINAL ISSUE: 09/18/24

REVISIONS

DATE	BY	DESCRIPTION
11/07/24	JFC	REVISED PER VILLAGE REVIEW
12/18/24	JFC	REVISED PER VILLAGE REVIEW
01/24/25	JFC	REVISED PER VILLAGE REVIEW
02/28/25	JFC	REVISED PER VILLAGE REVIEW

UTILITY PLAN

SHEET NUMBER

5

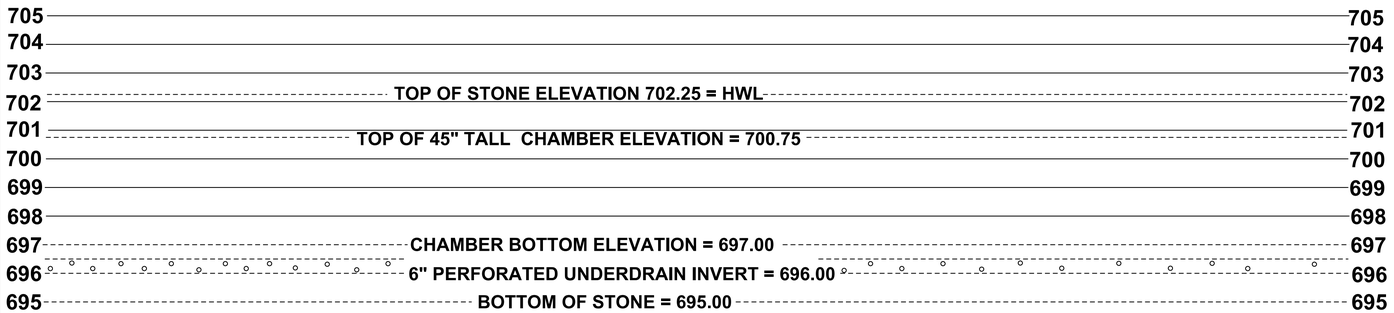
OF 5 SHEETS

JOB No. 24140

STORMTECH MC-3500 STORAGE SYSTEM:

TOP OF STONE = 702.25 (STORAGE HWL)
TOP OF 45" TALL CHAMBER ELEVATION = 700.75
CHAMBER BOTTOM ELEVATION = 697.00
PERFORATED UNDERDAIN INVERT = 696.00
BOTTOM OF STONE = 695.00

DETENTION PROVIDED 0.70 AC-FT +/-
MWRDGC VOLUME CONTROL PROVIDED = 0.11 AC-FT



VILLAGE OF ARLINGTON HEIGHTS - IDEAL RESTRICTOR SIZE CALCULATIONS
1.84 AC design area

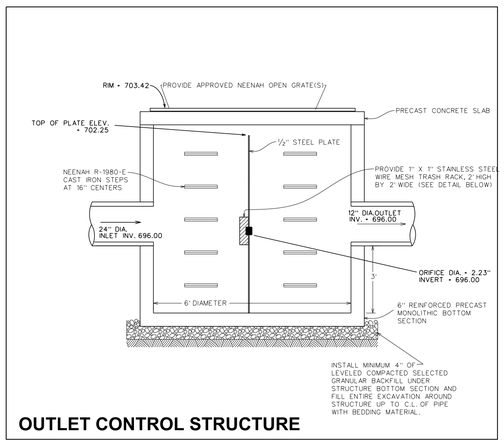
100YR **allowable release based on 0.18 cfs/ac >>>** **0.331** **cfs**

LOWER:

ORIFICE DIA. (IN)	**2.23**	**IDEAL SIZE**
AREA (SF)	**0.027**	
COEF:	**0.61**	
INVERT ELEVATION:	**696.00**	

	STAGE	H (FT)	Q (CFS)
OUTLET	**696.00**	**-**	**-**
HWL	**702.25**	**6.16**	**0.329**

IDEAL RESTRICTOR SIZE = 2.23" DIA.
(EXCEEDS 2" MINIMUM SIZE)



OUTLET CONTROL STRUCTURE

Site Area = 1.840 Acres
Allowed Release Rate (Area x 0.18cfs/Ac) = 0.331 cfs
Weighted "C" Factor = 0.801

Pervious= 0.610 Acres
Impervious= 1.230 Acres
Water= 0.000 Acres
Synth Turf= 0.000 Acres

A	B	C	D	E	F	G	H	J	K
Runoff Factor "C"	Storm Duration		**Updated** Rainfall Intensity "I"	Site Area "A"	Inflow Rate (CxIxA)	Release Rate	Storage Rate	Storage Required	
	(min)	(hrs)	(in/hr)	(acres)	(cfs)	(cfs)	(cfs)	(cu-ft)	(Ac-ft)
0.801	5	0.083	12.34	1.840	18.19	0.331	17.86	5335	0.122
0.801	10	0.167	10.80	1.840	15.92	0.331	15.59	9371	0.215
0.801	15	0.25	9.26	1.840	13.65	0.331	13.32	11985	0.275
0.801	20	0.33	7.97	1.840	11.75	0.331	11.42	13562	0.311
0.801	30	0.50	6.34	1.840	9.34	0.331	9.01	16224	0.372
0.801	40	0.67	5.27	1.840	7.77	0.331	7.44	17936	0.412
0.801	50	0.83	4.52	1.840	6.66	0.331	6.33	18916	0.434
0.801	60	1.00	4.03	1.840	5.94	0.331	5.61	20191	0.464
0.801	90	1.50	3.03	1.840	4.47	0.331	4.13	22328	0.513
0.801	120	2.00	2.49	1.840	3.67	0.331	3.34	24040	0.552
0.801	180	3.00	1.83	1.840	2.70	0.331	2.37	25554	0.587
0.801	240	4.00	1.48	1.840	2.18	0.331	1.85	26644	0.612
0.801	300	5.00	1.25	1.840	1.84	0.331	1.51	27203	0.625
0.801	360	6.00	1.07	1.840	1.58	0.331	1.25	26914	0.618
0.801	420	7.00	0.97	1.840	1.43	0.331	1.10	27685	0.636
0.801	480	8.00	0.87	1.840	1.28	0.331	0.95	27396	0.629
0.801	540	9.00	0.79	1.840	1.16	0.331	0.83	27000	0.620
0.801	600	10.00	0.72	1.840	1.06	0.331	0.73	26286	0.603
0.801	660	11.00	0.67	1.840	0.99	0.331	0.66	25996	0.597
0.801	720	12.00	0.62	1.840	0.91	0.331	0.58	25176	0.578
0.801	1080	18.00	0.45	1.840	0.66	0.331	0.33	21528	0.494
0.801	1440	24.00	0.36	1.840	0.53	0.331	0.20	17244	0.396
					A*D*E		F-G	C*H*3600	J/43560

Max Volume = 0.636 Acre-Ft
= 27,685 cu-ft

MWRDGC VOLUME CONTROL:
PROPOSED IMPERVIOUS AREA = 1.23 AC
REQUIRED CONTROL VOLUME = (1.23) / (12) = 0.1025 AC-FT

CGMT Project No. 24G0506
East Country Lane Townhomes
Arlington Heights, Illinois

3

BORINGS	GROUNDWATER LEVELS (FEET)	
	DURING DRILLING	IMMEDIATELY AFTER COMPLETION
All Borings	None	None

Glacial till soils in the Midwest frequently oxidize from gray to brown above the level at which the soil remains saturated. The seasonal high-water table is often interpreted to be near this zone of color change. Based on the results of this exploration, the seasonal high-water table may be located at depths of approximately 13½ feet below the existing grade.

PER GEO-TECH REPORT ESTIMATED SEASONAL HIGH GROUND WATER LEVEL IS OVER 13' BELOW EXISTING GRADES

More definitive evidence of prevailing groundwater levels could be obtained through the use of groundwater monitoring wells, which CGMT could install and monitor if requested.

It should be noted that the groundwater level can vary based on precipitation, evaporation, surface run-off and other factors not immediately apparent at the time of this exploration. Surface water runoff will be a factor during general construction, and steps should be taken during construction to control surface water runoff and to remove any water that may accumulate in the proposed excavations as well as floor slab and pavement areas. Precipitation generally varies seasonally. To assist in anticipating groundwater fluctuations changes throughout the year, average monthly precipitation is provided in the table below:

Seasonal Precipitation

Month	January	February	March	April	May	June	July	August	September	October	November	December	Total
Normal Precipitation (inches)	1.73	1.79	2.50	3.38	3.68	3.45	3.70	4.90	3.21	3.15	3.15	2.25	36.89

Average precipitation levels were obtained from wunderground.com

Seismic Zone

Per the 2021 International Building Code, the Soil Site Class is determined from ASCE 7.16, Table 20.3-1 Site Classification. Based upon the site conditions, the site soils can be characterized as Site Class D. Site Class D is described as Stiff Soil Profile for the top 100 ft of the site soil profile. Since we drilled to a maximum depth of 20 feet for this exploration, based on our experience with the soils in this area, the available geologic maps and following the direction of IBC 2021 when there are no borings to 100 feet deep, it is our opinion the site would be defined as Site Class D.

CGMT also calculated the spectral response factors based on the site class as well as the latitude and longitude of the project location using United States Geological Survey (USGS) seismic calculator software. The calculated values are presented in the table below:

EAST COUNTRY LANE TOWNHOMES
ARLINGTON HEIGHTS, ILLINOIS

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ORIGINAL ISSUE: 09/18/24

REVISIONS

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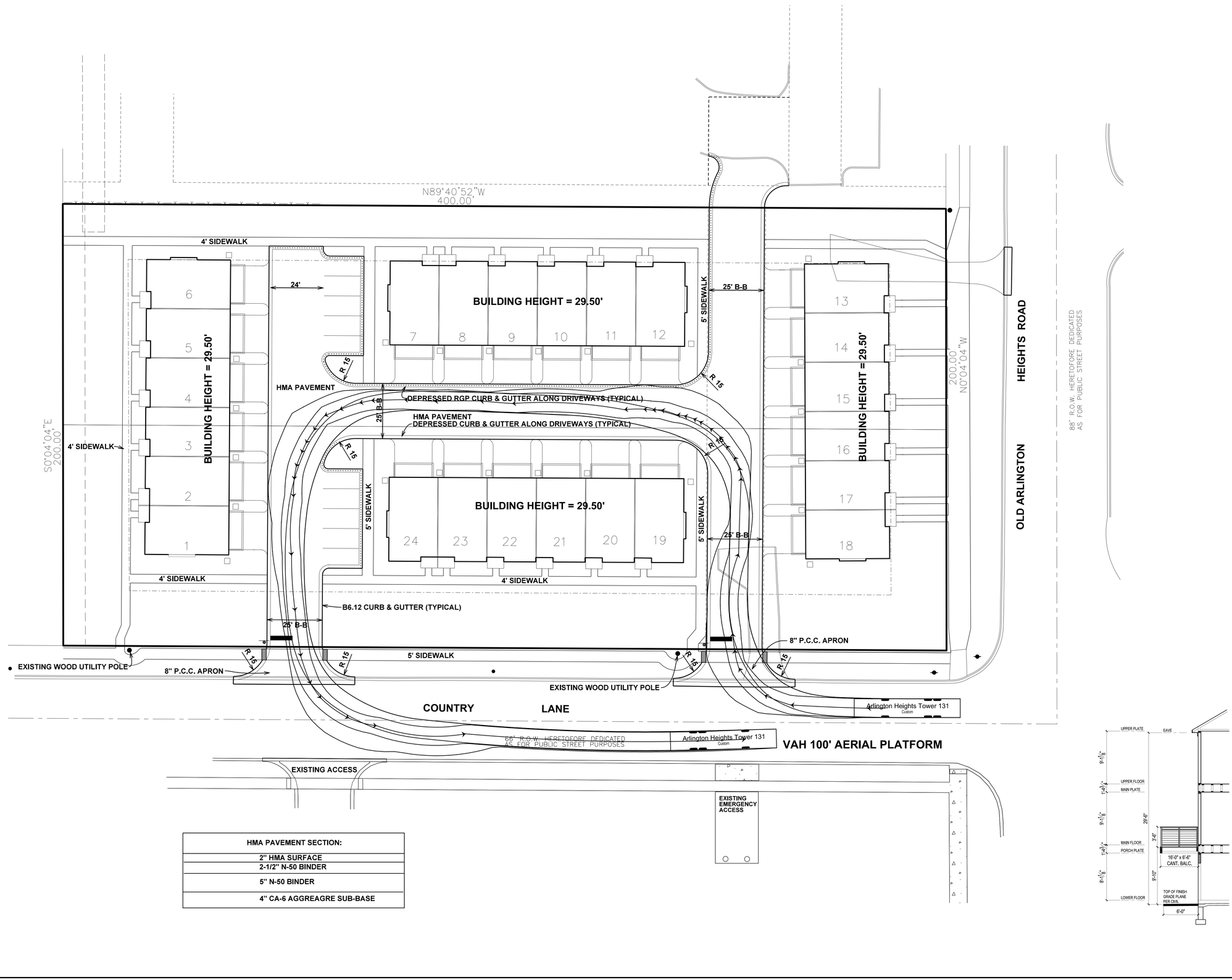
12/18/24	JFC	REVISED PER VILLAGE REVIEW
01/24/25	JFC	REVISED PER VILLAGE REVIEW
02/28/25	JFC	REVISED PER VILLAGE REVIEW

STORMWATER

S1

JOB No. 24140



HMA PAVEMENT SECTION:
2" HMA SURFACE
2-1/2" N-50 BINDER
5" N-50 BINDER
4" CA-6 AGGREAGRE SUB-BASE

NORTH

SCALE: 1" = 20'

EAST COUNTRY LANE TOWNHOMES

ARLINGTON HEIGHTS, ILLINOIS

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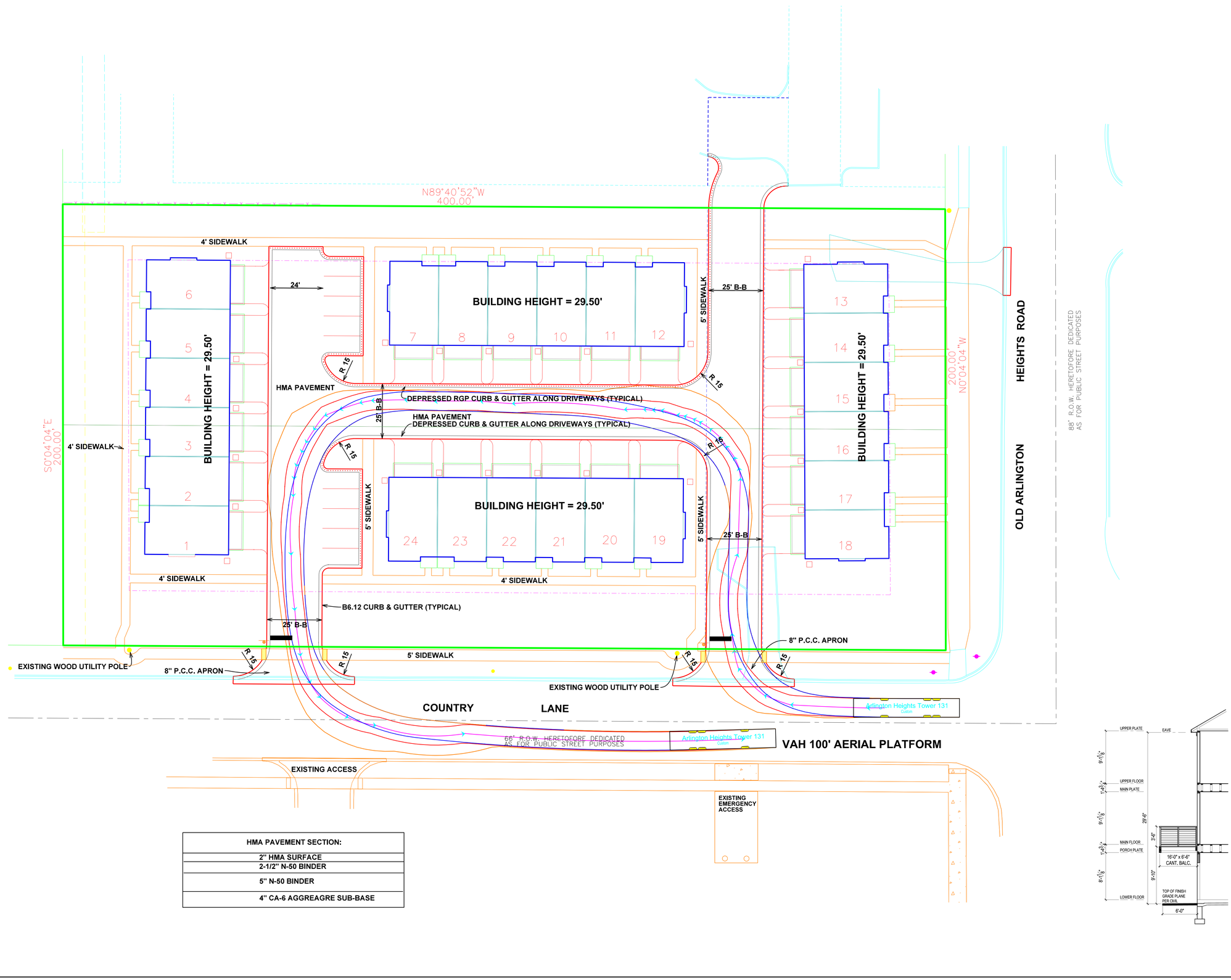
12/20/24	JFC	REVISED PER VILLAGE REVIEW

REVISIONS

AUTO-TURN

A1

JOB No. 24140



HMA PAVEMENT SECTION:
2" HMA SURFACE
2-1/2" N-50 BINDER
5" N-50 BINDER
4" CA-6 AGGREAGRE SUB-BASE

NORTH

SCALE: 1" = 20'

EAST COUNTRY LANE TOWNHOMES

ARLINGTON HEIGHTS, ILLINOIS

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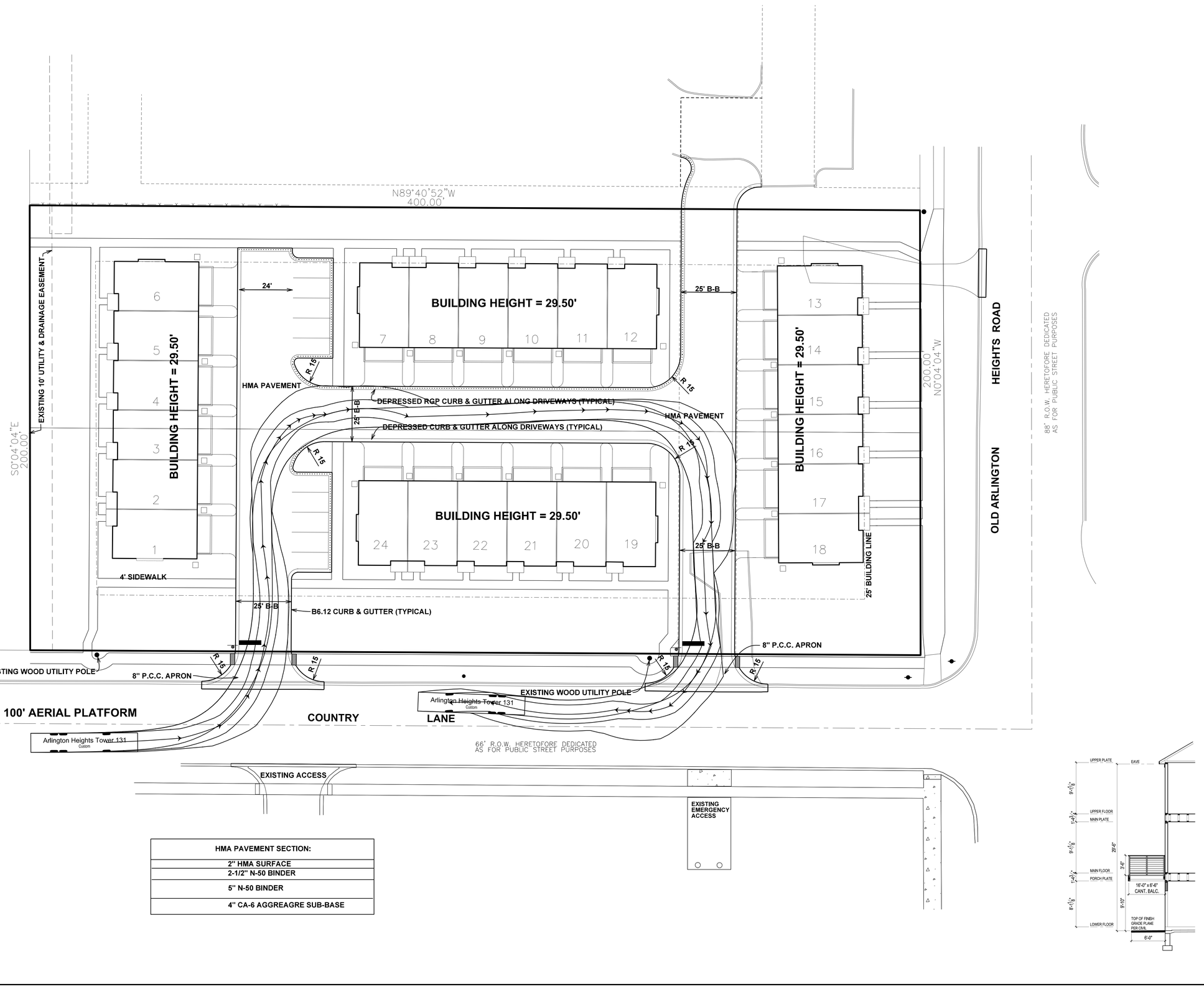
DESCRIPTION	DATE	BY
REVISED PER VILLAGE REVIEW	11/07/24	JFC
REVISED PER VILLAGE REVIEW	12/9/24	JFC

REVISIONS

AUTO-TURN

A1

JOB No. 24140



HMA PAVEMENT SECTION:
2" HMA SURFACE
2-1/2" N-50 BINDER
5" N-50 BINDER
4" CA-6 AGGREAGRE SUB-BASE

NORTH

SCALE: 1" = 20'

EAST COUNTRY LANE TOWNHOMES

ARLINGTON HEIGHTS, ILLINOIS

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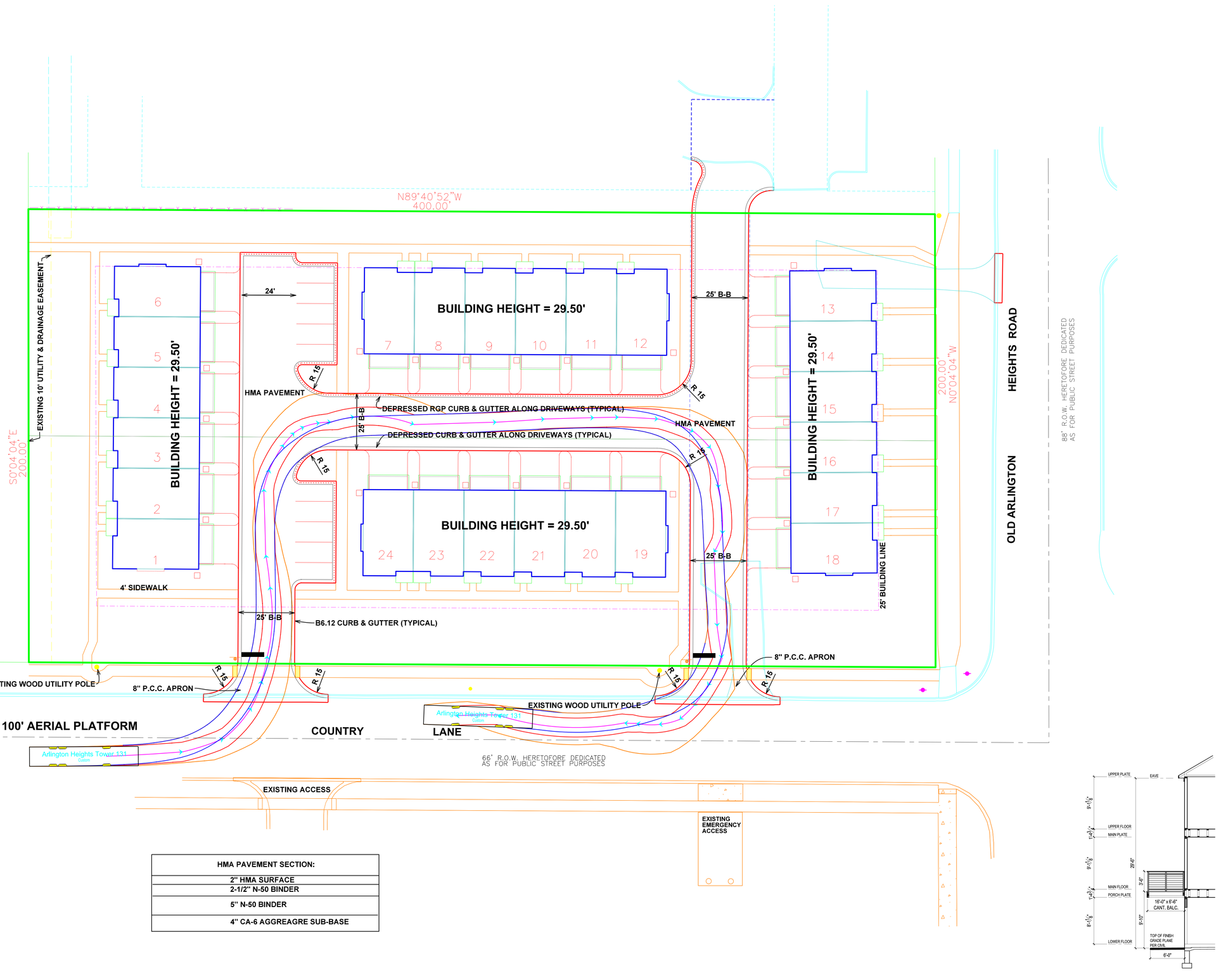
REVISIONS

DESCRIPTION	BY	DATE
REVISED PER VILLAGE REVIEW	JFC	11/07/24
REVISED PER VILLAGE REVIEW	JFC	12/09/24

AUTO-TURN

A2

JOB No. 24140



HMA PAVEMENT SECTION:
2" HMA SURFACE
2-1/2" N-50 BINDER
5" N-50 BINDER
4" CA-6 AGGREAGRE SUB-BASE

NORTH

SCALE: 1" = 20'

EAST COUNTRY LANE TOWNHOMES

ARLINGTON HEIGHTS, ILLINOIS

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REVISED PER VILLAGE REVIEW	12/20/24	JFC

AUTO-TURN

A2

JOB No. 24140

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Arlington Heights Tower 131
Custom

NEW (ADJUSTED)
CROSS-ACCESS
EASEMENT
ON TIMBER COURT
PROPERTY

36.40'

40.06'

R 5

R 35

ACCESS EASEMENT

47.00

ACCESS EASEMENT

R 10

PROPOSED 26' WIDE
CROSS ACCESS EASEMENT LIMITS
6" BEHIND BACK OF CURB

25' B-B

8

9

10

11

12

13

14

15

R 15

Arlington Heights Tower 131
Custom

OLD ARLINGTON HEIGHTS ROAD

NORTH

0 10' 20'

SCALE: 1" = 20'

TITLE:
CROSS ACCESS EASEMENT AUTO-TURN
VAH 100' AERIAL PLATFORM

PROJECT:
EAST COUNTRY LANE TOWNHOMES

PROJECT NO.: 24140

EXHIBIT
A3

DATE: 12/12/24

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NEW (ADJUSTED)
CROSS-ACCESS
EASEMENT
ON TIMBER COURT
PROPERTY

36.40'

40.06'

R 5

R 35

ACCESS EASEMENT

ACCESS EASEMENT

47.00

ACCESS EASEMENT

R 10

PROPOSED 26' WIDE
CROSS ACCESS EASEMENT LIMITS
6" BEHIND BACK OF CURB

25' B-B

Arlington Heights Tower 131
Custom

Arlington Heights Tower 131
Custom

HEIGHTS ROAD

OLD ARLINGTON

8 9 10 11 12

13 14 15

R 15

NORTH

0 10' 20'
SCALE: 1" = 20'

TITLE:
CROSS ACCESS EASEMENT AUTO-TURN
VAH 100' AERIAL PLATFORM

PROJECT:
EAST COUNTRY LANE TOWNHOMES

PROJECT NO.: 24140

EXHIBIT
A3

DATE: 12/12/24

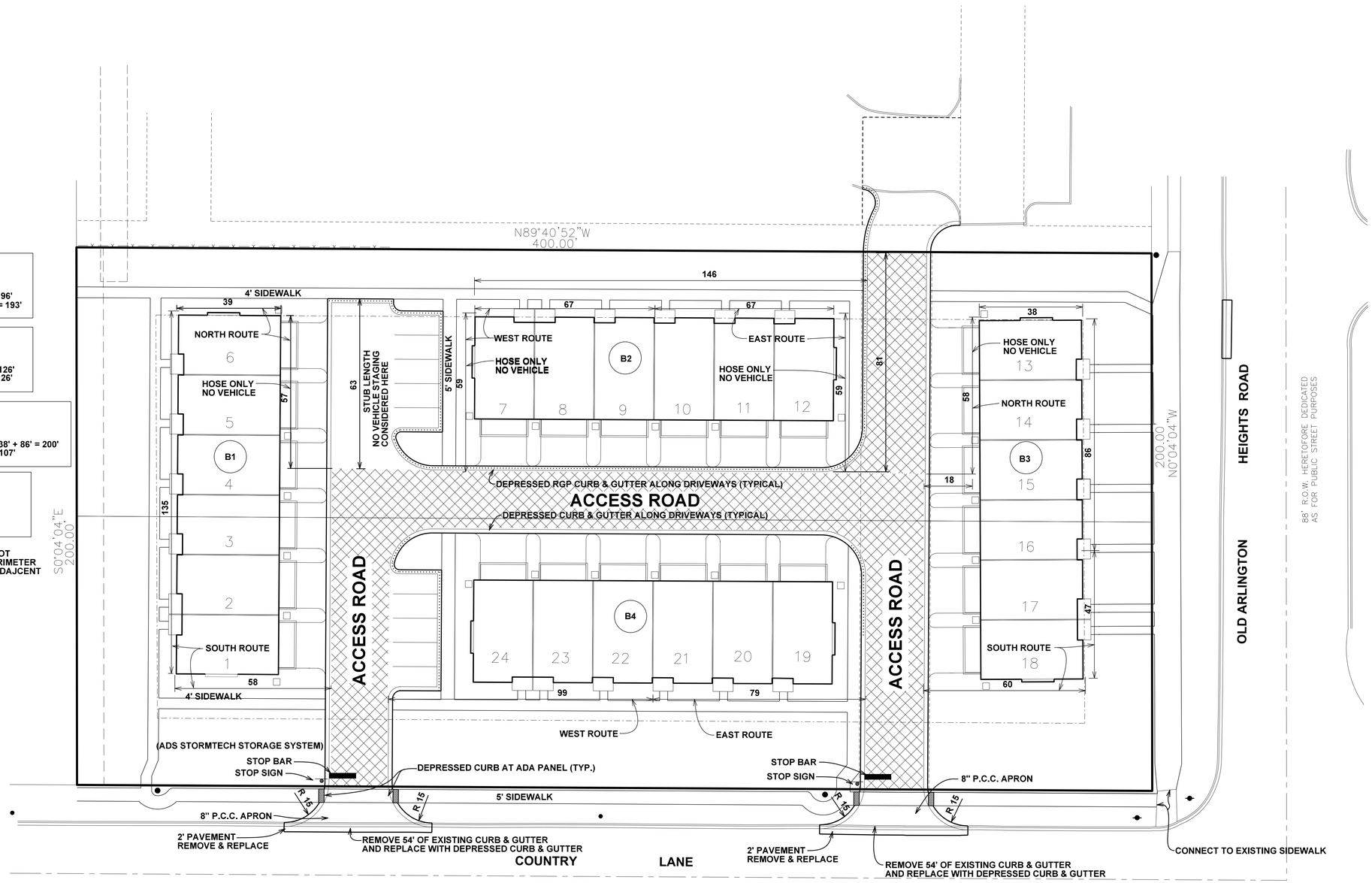
B1
NORTH ROUTE 57' + 39' = 96'
SOUTH ROUTE 58' + 135' = 193'

B2
WEST ROUTE 59' + 67' = 126'
EAST ROUTE 59' + 67' = 126'

B3
NORTH ROUTE 18' + 58' + 38' + 86' = 200'
SOUTH ROUTE 60' + 47' = 107'

B4
WEST ROUTE 99'
EAST ROUTE 79'

NOTE: DIMENSIONS ARE NOT SHOWN FOR BUILDING PERIMETER SECTIONS IMMEDIATELY ADAJCENT TO ACCESS ROAD



HMA PAVEMENT SECTION: SN = 3.71
2" HMA SURFACE
2-1/4" N-50 BINDER
5" N-50 BINDER
4" CA-6 AGGREAGRE SUB-BASE

NORTH

SCALE: 1" = 20'

EAST COUNTRY LANE TOWNHOMES

ARLINGTON HEIGHTS, ILLINOIS

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ORIGINAL ISSUE: 12/02/24

DATE	BY	DESCRIPTION
12/18/24	JFC	REVISED PER VILLAGE REVIEW

REVISIONS

HOSE ROUTING EXHIBIT

H

JOB No. 24140

W/M SHALL CROSS UNDER STORM

6" UNDERDRAIN (TYP.)

8" W/M

R-702.75

ST. C.B.#9
4' DIA. [5' O.D.]
R-702.20
24"I-696.00

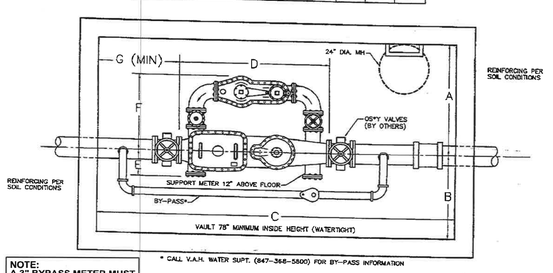
ADS STORMTECH SYSTEM

24" ST.
(W/M QUAL.)

MASTER
METER
VAULT
R-702.0

SIZE	A"	B"	B*"	C"	D"	E"	F"	G"	G*"
4"	42	18	30	120	33	7⅞	21⅝	24	36
6"	48	24	36	120	45	8½	26½	24	42
8"	54	30	36	144	53	10⅜	32⅝	24	42
10"	60	36	42	180	68	13½	42	30	54

* WITH BY-PASS



* CALL V.A.H. WATER SUPT. (847-368-5800) FOR BY-PASS INFORMATION

NOTE:
A 3" BYPASS METER MUST BE INSTALLED ON THE BY-PASSS LINE

WATER METER VAULT DETAIL
VILLAGE OF ARLINGTON HEIGHTS
DEPARTMENT OF PUBLIC WORKS
WATER UTILITY OPERATIONS

Drawn By: CMO
Checked By: RSH
Date: 6/2/2007

NORTH

SCALE: 1" = 2'

EAST COUNTRY LANE TOWNHOMES
ARLINGTON HEIGHTS, ILLINOIS

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SOUTHERN WATER MAIN MASTER METER VAULT LOCATION DETAIL

SHEET NUMBER
C
OF 5 SHEETS
JOB No. 24140

PRELIMINARY PLAT OF SUBDIVISION
EAST COUNTRY LANE TOWNHOMES

OF LOTS 15 AND 16 IN FREEDOM SMALL FARMS, BEING A SUBDIVISION IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER AND THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 8, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

KNOWN AS : **3310 N. ARLINGTON ROAD, ARLINGTON HEIGHTS, ILLINOIS**

0' 15' 30' 60' 120'

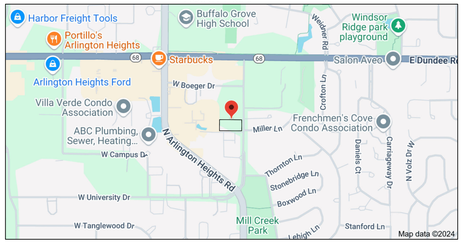
SCALE: 1"=30'

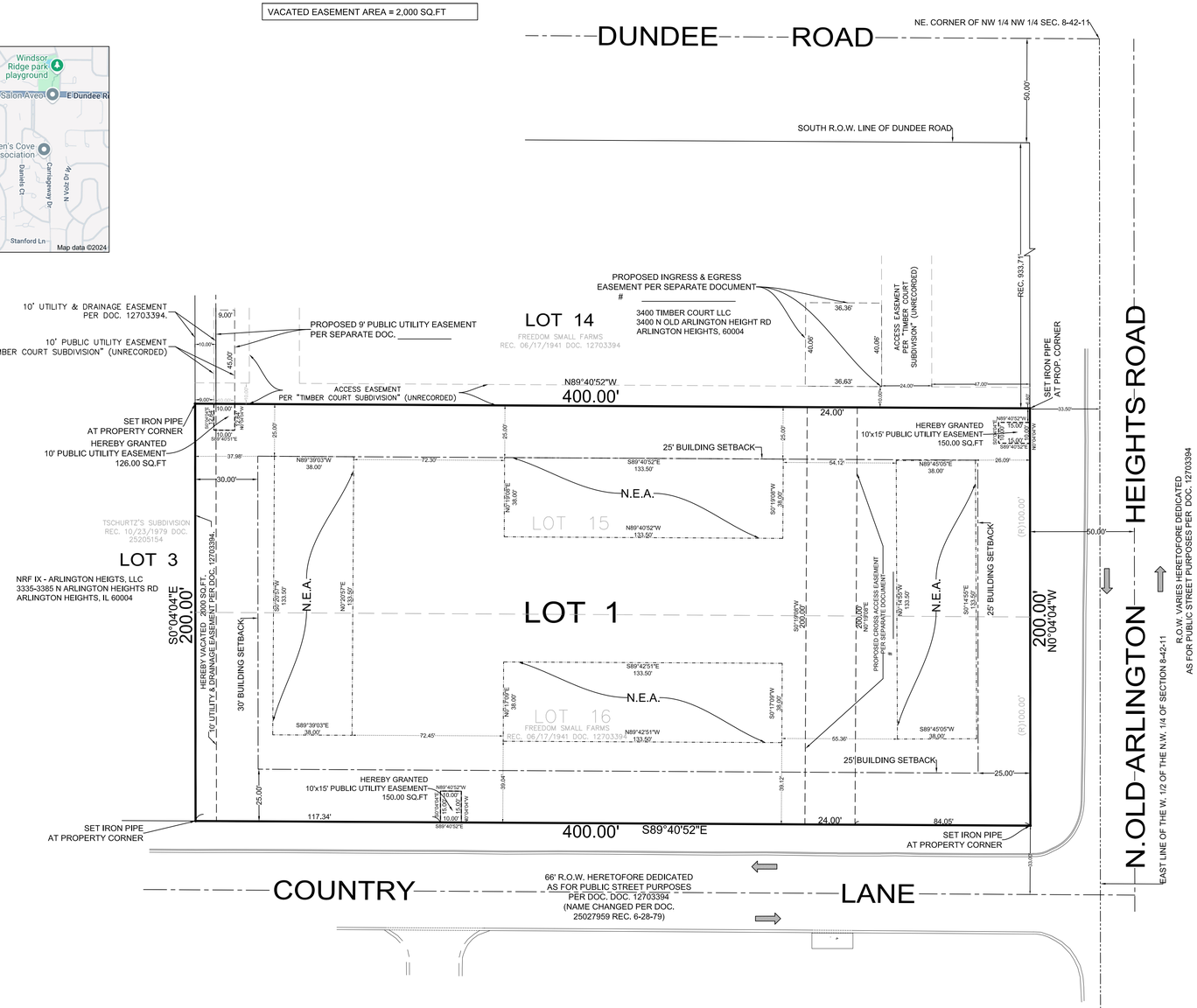
TOTAL AREA OF LOT 1 IN *EAST COUNTRY LANE TOWNHOMES SUBDIVISION* IS 79,998 SQ. FT. OR 1.836 ACRE MORE OR LESS.

VACATED EASEMENT AREA = 2,000 SQ.FT

COOK COUNTY PERMANENT IDENTIFICATION NUMBERS:
03 - 08 - 100 - 018 - 0000
03 - 08 - 100 - 019 - 0000

VICINITY MAP





LEGEND	ABBREVIATIONS
———	BOUNDARY LINE OF SUBDIVISION
— — —	EXISTING LOT LINE
- - - - - -	EASEMENT LINE
—— · ——	BUILDING SETBACK
⇐ ⇒	TRAFFIC FLOW DIRECTIONAL'S
LOT	- PROPOSED LOT NUMBER
LOT	- EXISTING LOT NUMBER
(M)	- MEASURED
(R)	- RECORD
(N.E.A.)	- NON-EASEMENT AREA

CROSS ACCESS EASEMENT PROVISIONS:
PROVISIONS COVERED UNDER AGREEMENT PER SEPARATE DOCUMENT.

EXISTING OWNER:
LOTS 15 & 16 IN FREEDOM SMALL FARMS - SFP ARLINGTON HEIGHTS, LLC

SURVEYOR'S CERTIFICATE:

STATE OF ILLINOIS)
) S.S.
COUNTY OF COOK)

I, **ROY G. LAWNICZAK**, HEREBY CERTIFY THAT I AM AN ILLINOIS REGISTERED LAND SURVEYOR IN COMPLIANCE WITH THE LAWS OF THE STATE OF ILLINOIS, AND THIS PLAT CORRECTLY REPRESENTS A SURVEY COMPLETED BY ME ON OCTOBER 9, 2024; THAT ALL MONUMENTS AND MARKERS SHOWN THEREON ACTUALLY EXIST, AND THAT I HAVE ACCURATELY SHOWN THE MATERIALS THAT THEY ARE MADE OF.

I DO HEREBY FURTHER CERTIFY THAT I HAVE SURVEYED AND SUBDIVIDED THE FOLLOWING DESCRIBED PROPERTY:
LOTS 15 AND 16 IN FREEDOM SMALL FARMS, BEING A SUBDIVISION IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER AND THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 8, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHEAST CORNER OF SAID LOT 15, THENCE NORTH 00 DEGREES 04 MINUTES 04 SECONDS WEST, A DISTANCE OF 200.00 FEET; THENCE NORTH 89 DEGREES 40 MINUTES 52 SECONDS WEST, A DISTANCE OF 400.00 FEET; THENCE SOUTH 00 DEGREES 04 MINUTES 04 SECONDS EAST, A DISTANCE OF 200.00 FEET; THENCE SOUTH 89 DEGREES 40 MINUTES 52 SECONDS EAST, A DISTANCE OF 400.00 FEET TO THE POINT OF BEGINNING IN COOK COUNTY, ILLINOIS

I DO HEREBY FURTHER CERTIFY THAT THE LAND INCLUDED IN THIS PLAT IS ENTIRELY SITUATED WITHIN THE CORPORATE LIMITS OF THE VILLAGE OF ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS.

I DO HEREBY CERTIFY THAT ALL DIMENSIONS SHOWN HEREON ARE IN FEET AND DECIMAL PARTS THEREOF AND ARE CORRECTED TO A TEMPERATURE OF 68 DEGREES FAHRENHEIT.

I DO HEREBY CERTIFY THAT THE ZONING DESIGNATION FOR THE SUBJECT PROPERTY IS M-1 - RESEARCH, DEVELOPMENT AND LIGHT MANUFACTURING DISTRICT PER ARLINGTON HEIGHTS ZONING MAP DATED 4/12/2024.

I FURTHER CERTIFY THAT THE SUBJECT PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION **"X" -** AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ON FLOOD INSURANCE RATE MAP **17031 C 0063 J,** WITH A DATE OF IDENTIFICATION OF **AUGUST 19, 2008**, COOK COUNTY, STATE OF ILLINOIS, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PROPERTY IS SITUATED.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

THE BASIS OF BEARINGS SHOWN HEREON ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE.

I FURTHER CERTIFY THAT MONUMENTS DESIGNATED IRON PIPES AND / OR CONCRETE MONUMENTS ON THIS PLAT HAVE BEEN SET AT ALL LOT CORNERS.

THIS PLAT OF CONSOLIDATION IS DRAWN TO THE SCALE OF ONE INCH PER 30 FEET.

GIVEN UNDER MY HAND AND SEAL THIS 13TH DAY OF MARCH, 2025 AT RIVER FOREST, ILLINOIS.

BY:_____
ROY G. LAWNICZAK, REGISTERED ILLINOIS LAND SURVEYOR NO. 35-2290
LICENSE EXPIRES: NOVEMBER 30, 2026
PROFESSIONAL DESIGN FIRM LICENSE NO.: 184-004576
LICENSE EXPIRES: APRIL 30, 2025

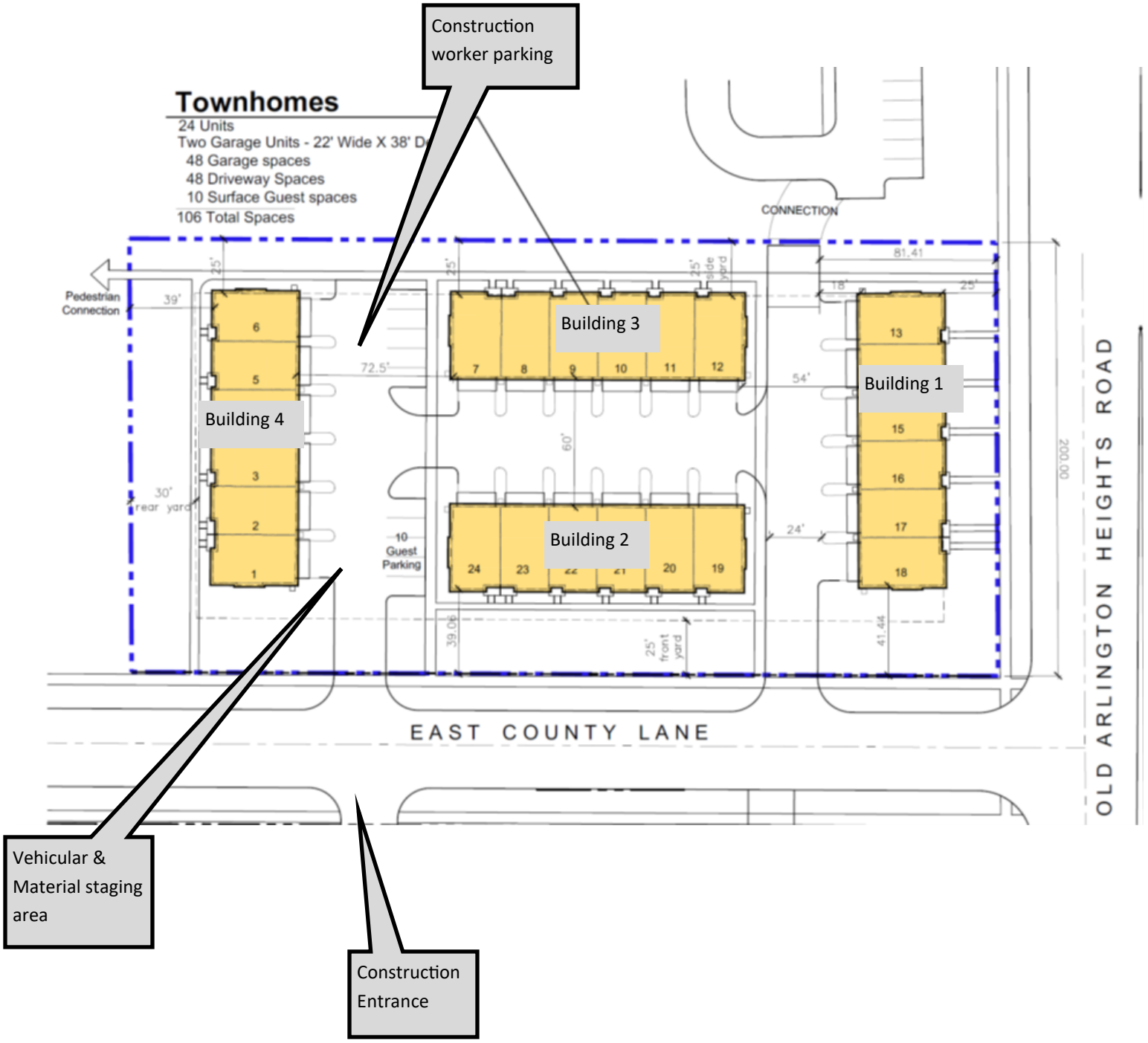
ROY G. LAWNICZAK 35-002290 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS CHICAGO, IL

PROJECT No.: 2024-31499-1	PLAT PREPARED FOR & MAIL PLAT TO:	PLAT PREPARED BY:
ISSUE DATE: 10/9/24	SFP ARLINGTON HEIGHTS, LLC	**UNITED SURVEY SERVICE, LLC**
SCALE: 1"=30'	3190 DOOLITTLE	CONSTRUCTION AND LAND SURVEYORS
SHEET NUMBER 1 OF 1	NORTHBROOK, IL 60062	7710 CENTRAL AVENUE, RIVER FOREST, ILLINOIS, 60305
		TEL.: (847) 299 - 1010 FAX : (847) 299 - 5887
		E-MAIL: USURVEY@USANDCS.COM

NO.	REVISIONS	DATE
1	REVISED	11-6-24
2	REVISED	12-20-24
3	REVISED	1-30-25
4	REVISED	2-25-25
5	REVISED	3-13-25
6		

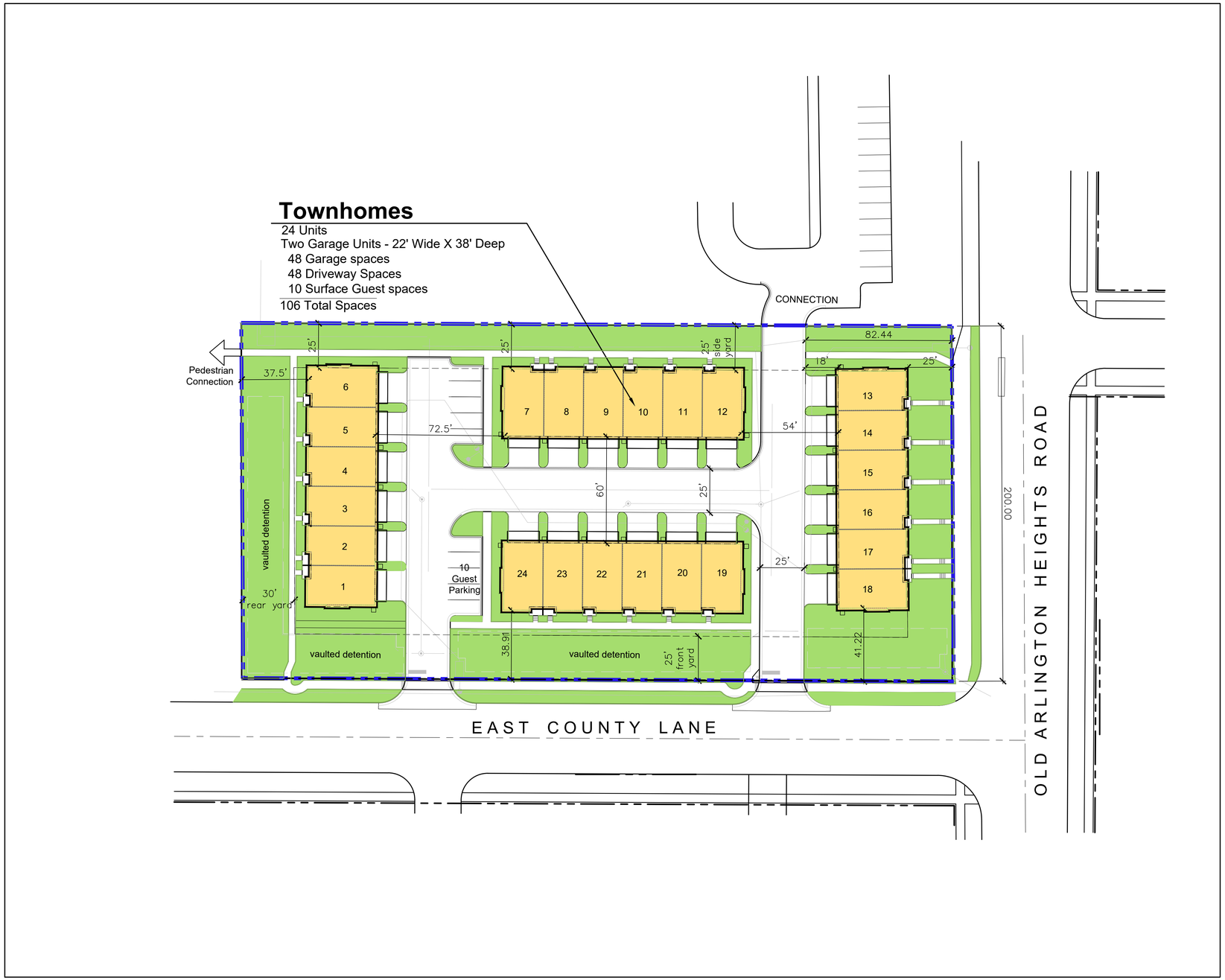
MASTER PLAN

All interior drives are depicted in the site plan below. All units will be located on the same parcel with one PIN. There are no public streets or areas to be conveyed , dedicated or reserved for public uses. A multi-use path will be installed along Old Arlington Heights Road.



PRELIMINARY DEVELOPMENT SCHEDULE

Start date – June 1st, 2025
Site work/horizontal construction June 1st – September 1st, 2025
Phase 1/Building 1 – September 1st, 2025 – March 1st, 2026
Phase 2/Building 2 – October 1st, 2025 – April 1st, 2026
Phase 3/Building 3 - November 1st,, 2025 – May 1st, 2026
Phase 4/Building 4 – December 1st, 2025 – June 1st, 2026



SITE INFORMATION:

Area	**1.84 acres**
Townhome Units	**24**
Garage Spaces	**48**
Driveway	**48**
Guest Spaces	**10**
	4.41 sp/unit

R-6 Zoning :

Setbacks:

Front	**25'**
Side Separation	**54' min**
Rear	**30'**
Lot Coverage	**30% est.**
Impervious	**26% est.**
Height	**40' (30' to eave)**
F.A.R.	**60%**
Sq Ft Per Unit	**3,339.6 sf**
Affordable Units	**1.2 (5%)**

North

0 15 30 60 120

CornerSite

Site Plan
East Country Lane Townhomes
Arlington Heights, Illinois

BSB DESIGN

The drawings presented are illustrative of character and design intent only, and are subject to change based upon final design considerations (i.e. applicable codes, structural, and MEP design requirements, unit plan / floor plan changes, etc.) © 2024 BSB Design, Inc.

Revised: Date: December 16, 2024

Traffic Impact Study

East Country Lane Townhomes
Old Arlington Heights Road and Country Lane
Arlington Heights, Illinois

Prepared for:

SFP PROPERTIES

July 15, 2024

Prepared by:

Lynn M. Means, P.E., PTOE, RSP$_1$
Senior Transportation Engineer

CONSULTING ENGINEERS
BLA, Inc.

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Appendix

Executive Summary

BLA, Inc. (BLA) has conducted a Traffic Impact Study for the proposed East County Lane residential development located at 3310 N. Old Arlington Heights Road in Arlington Heights, Illinois. Existing and future conditions in the study area have been described, analyzed and evaluated with respect to traffic operations and the impact of the planned development. Conclusions and recommendations are presented below:

- The existing, approximately 1.84-acre site is currently vacant, formerly containing a single-family residence, accessed via one driveway on Old Arlington Heights Road and one driveway on Country Lane.
- The project will include developing the site to provide 24 (3-story, 3-bedroom) townhomes contained within four buildings. The development will be served by 106 parking spaces: 48 garage spaces, two (2) per unit; 48 driveway spaces, 2 per unit; and 10 surface parking lot spaces. Access to the site is proposed via two full access driveways on Country Lane, one opposite Heritage Lane and one opposite Heritage Court (Lexington Heritage emergency access). The existing driveways serving the site will be closed. No new site access is proposed to Old Arlington Heights Road.
- A connection (emergency access) to the Timber Court condominium development to the north may also be provided, along with a potential pedestrian connection to the Arlington Executive Plaza business center to the west.
- Existing traffic conditions within the study area were established by performing weekday morning and evening traffic counts in June 2024.
- Crash data was reviewed and considered for the last five calendar years (2018-22) from the Illinois Department of Transportation (IDOT) Division of Safety.
- Future No-Build (non-site, without proposed residential development) traffic volume conditions were developed for year 2031 conditions, including a compounded annual growth rate of 0.5 percent based on Chicago Metropolitan Agency for Planning (CMAP) 2050 traffic volume projections, along the study area roadways.
- Trip generation for the proposed development was quantified for the weekday morning, evening and daily basis using the Institute of Transportation Engineers (ITE) trip generation rates contained in the 11th Edition of the Manual *Trip Generation*.
- Analyses have been conducted for all study intersections under existing and future (2031 design year) No-Build and Total traffic conditions to determine the impact from the planned residential development.
- Our determination is the proposed development traffic can be accommodated on the adjacent streets and with the proposed site access. No improvements to the adjacent street system are required to accommodate the development traffic. No auxiliary turn lanes are warranted on Country Lane at the site access driveways.
- The proposed off-street parking supply will be adequate to accommodate the projected parking demand for the proposed development.

Introduction

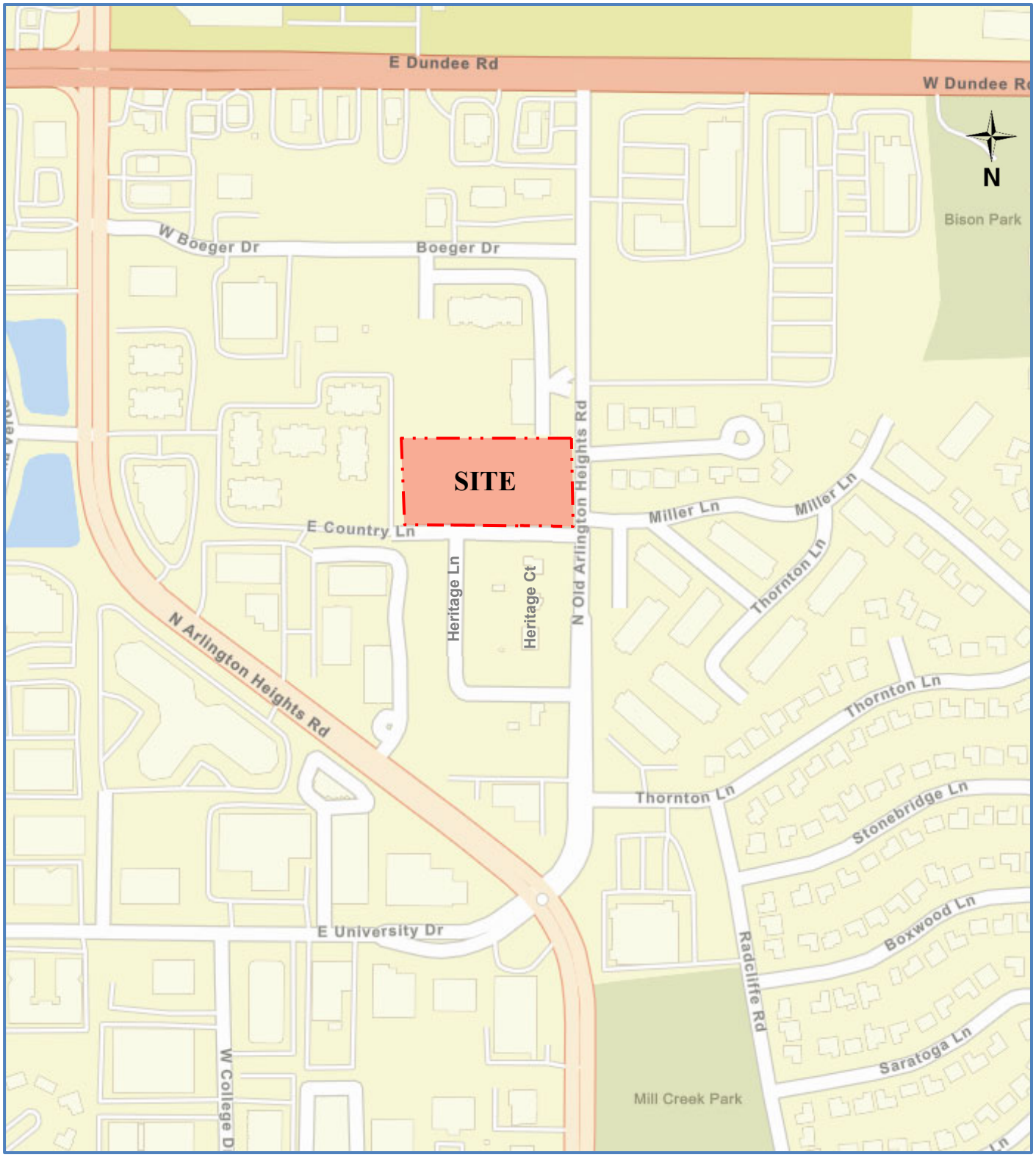
BLA has conducted a Traffic Impact Study for the proposed East Country Lane residential development located in Arlington Heights, Illinois. The approximately 1.84-acre site is located at the northwest corner of Old Arlington Heights Road and Country Lane and is currently vacant. The site formerly contained a single-family residence accessed via one driveway on Old Arlington Heights Road and one driveway on Country Lane. The site location is illustrated on ***Exhibit 1***.

As proposed, the development includes the construction of 24 (3-story, 3-bedroom) townhomes contained within four buildings. The development will be served by 106 parking spaces: 48 garage spaces, two (2) per unit; 48 driveway spaces, 2 per unit; and 10 surface parking lot spaces. Access to the site is proposed via two full access driveways on Country Lane, one opposite Heritage Lane and one opposite Heritage Court (Lexington Heritage emergency access). The existing driveways serving the site will be closed. No new site access is proposed to Old Arlington Heights Road.

A connection (emergency access) to the Timber Court condominium development to the north may also be provided, along with a potential pedestrian connection to the Arlington Executive Plaza business center to the west.

The following summarizes BLA's methodology, data collection, analyses and identifies improvements, as necessary, to mitigate the impacts the development's traffic may have on the adjacent roadway network.

Exhibit 1: Site Location Map



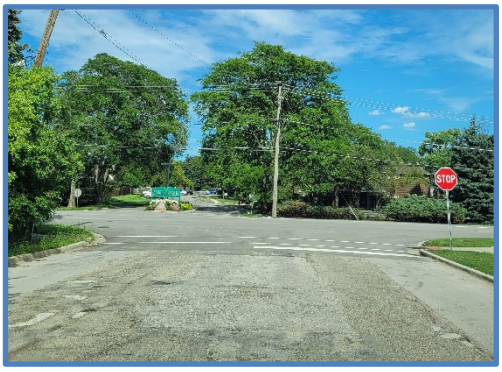
Existing Conditions

Area Land Use

The site is located at the northwest corner of Country Lane and Old Arlington Heights Road in Arlington Heights and is currently vacant. The site is bound by multi-family residential to the north, commercial to the west, Country Lane and multi-family residential to the south and Old Arlington Heights Road and single family residential to the east.

Street/Roadway Network

The existing traffic operations in the site area are illustrated on ***Exhibit 2***.



Looking east on Country Ln, west of Old Arlington Heights Rd.

Country Lane / Miller Lane

Country Lane is an east-west, local roadway, extending westerly from Old Arlington Heights Road, providing a two-lane cross-section (one travel lane in each direction. The roadway terminates in a cul-de-sac approximately 700 feet west of Old Arlington Heights Road. At its unsignalized "T" intersections with Heritage Lane and Heritage Court (emergency access), Country Lane operates under free flow condition. At its unisgnalized intersection with Old Arlington Heights Road, Country Lane operates under Stop sign control. Country Lane is under the jurisdiction of the Village of Arlington Heights.

Miller Lane is aligned off-set, approximaetly 25 feet north, from Country Lane at Old Arlington Heights Road. It is a local, two-lane roadway that serves the Mill Creek condominium development. Miller Lane operates under Stop sign control at its intersection with Old Arlington Heights Road. Miller Lane is under the jurisdiction of the Village of Buffalo Grove.

Looking south on Old Arlington Heights Rd, north of Country Ln / Miller Ln.

Old Arlington Heights Road

Old Arlington Heights Road is a north-south local roadway that generally provides a three lane cross-section (one travel lane in each direction and a center lane/median that provides turns at intersections) within the study area. Old Arlington Heights Road expandes to a four lane (two travel lanes in each direction) divided roadway south of Heritage Lane to Arlington Heights Road.

At its unsignalized intersection with Country Lane / Miller Lane, Old Arlington Heights Road provides a left-turn lane and shared through/right-turn lane in the northbound direction and a single, general purpose lane with shared turning movements in the southbound direction. It is under the jurisdiction of the Illinois Department of Transportation (IDOT) and maintained by the Village of Arlington Heights, with a posted speed limit of 40 miles per hour (mph).

Looking north on Heritage Ln, south of Country Ln.

Heritage Lane

Heritage Lane is a two lane roadway, extending southerly from Country Lane and then easterly, connecting to Old Arlington Heights Road. It serves the Lexington Heritage at Arlington Heights townhome development. At its unsignalized "T" intersection with Country Lane, Heritage Lane operates under Stop sign control. It is under the jurisdiction of the Village of Arlington Heights.

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Exhibit 2
Existing Traffic Operations

Heritage Court

Heritage Court is a two lane roadway, extending easterly from Heritage Lane and then continuing north and south. At its unsignalized "T" intersection with Country Lane, Heritage Court serves as the emergency access route to the Lexington Heritage at Arlington Heights townhome development. Heritage Court is under the jurisdiction of the Village of Arlington Heights.

Pedestrian / Bicycle Facilities

Sidewalks are provided on the south side of Country Lane, adjacent to the Lexington Heritage development; along the south side of Miller Lane; along the east and north sides of Heritage Lane; and along both sides of Old Arlington Heights Road, except adjacent to the undeveloped parcels, including the subject site. Pedestrian crosswalks are provided on the east and west legs of the Old Arlington Heights Road at Country Lane and Miller Lane intersection.

Existing Traffic

Traffic turning movement counts were conducted on Tuesday, June 25, 2024, during the weekday morning (7:00 to 9:00 AM) and weekday evening (4:00 to 6:00 PM) peak periods at the following intersections:

- Old Arlington Heights Road at Country Lane / Miller Lane
- Country Lane at Heritage Court (Emergency Access Only)
- Country Lane at Heritage Lane

The results indicate that the peak hour existing traffic during the weekday morning and weekday evening peak hours generally occurred from 8:00 to 9:00 AM and 5:00 to 6:00 PM, respectively. However, the peak hour for each individual intersection was used in the analysis to provide a conservative analysis scenario.

Table 1 summarizes the annual average daily traffic (AADT) volumes obtained from IDOT (www.getttingaroundillinois.com) near the site:

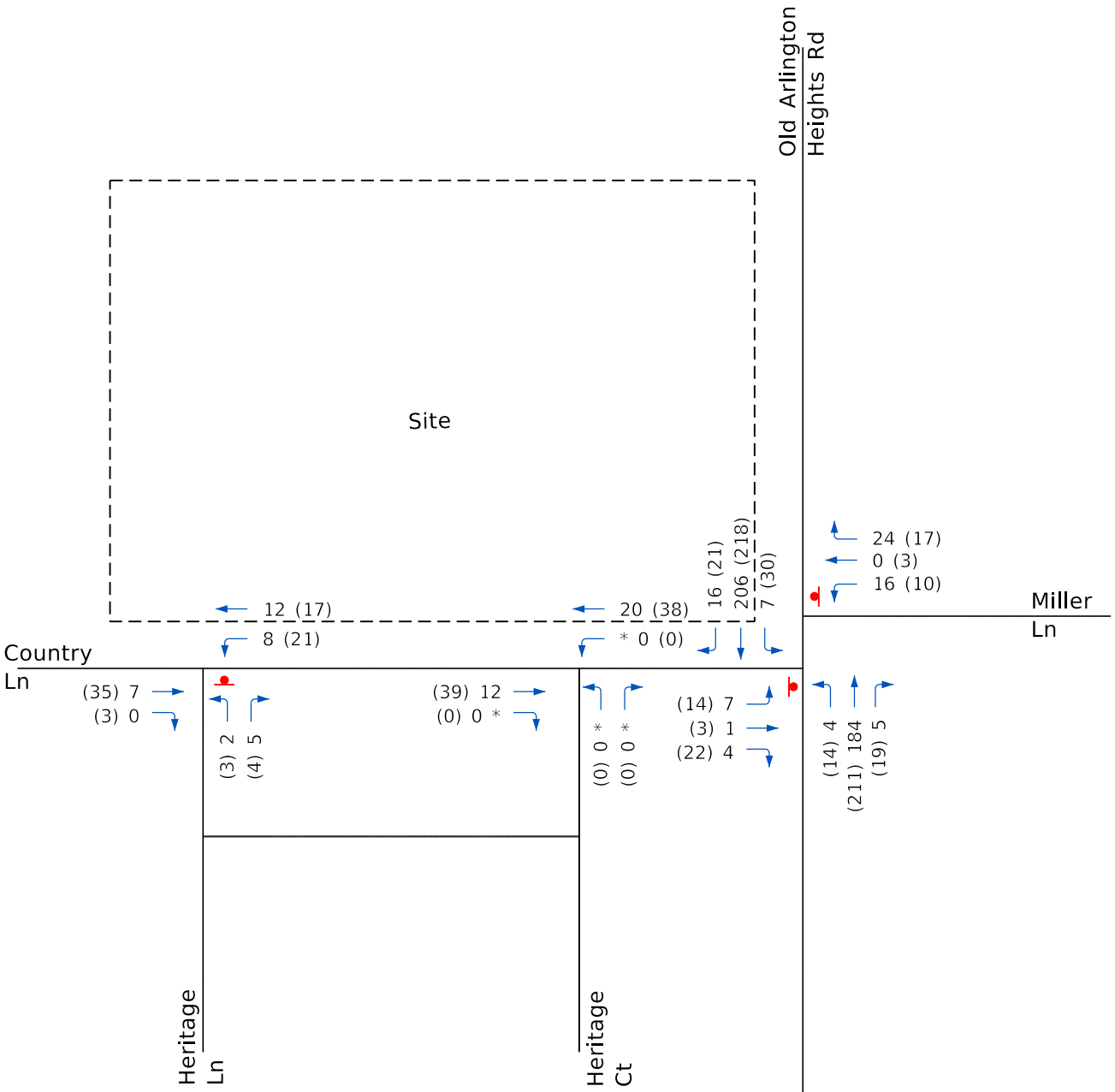
Table 1: Summary of IDOT AADT Volumes

Location	IDOT AADT (Year)
Old Arlington Heights Road	
Between Dundee Rd (IL 68) and Arlington Heights Rd/University Dr	4,050 (2022)

The existing peak hour volumes are illustrated on ***Exhibit 3***. Summaries of the intersection turning movement count data are contained in ***Appendix A***.

Crash Summary

To evaluate and address potential safety issues at the study area intersections, crash data was obtained from the IDOT Division of Transportation Safety for the last five calendar years available, 2018 through 2022. Based on this data, there were no reported crashes at the Country Lane intersections with Heritage Lane, Heritage Court or Old Arlington Heights Road / Miller Lane during the five-year analysis period.



LEGEND

XX = Weekday AM Peak Hour (8:00 - 9:00 AM)

(XX) = Weekday PM Peak Hour (5:00 - 6:00 PM)

Existing Stop Sign

* Emergency Acess Only

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Exhibit 3
Existing Traffic

Future Conditions

Traffic Growth

Construction and occupancy of the proposed residential development is anticipated to occur by the end of the year, 2026. Future traffic volumes were developed for the year 2031, anticipated build-out year of the development plus five years. Traffic growth in the area is a function of expected land development in the region. Based on a review of historical traffic volumes and the Chicago Metropolitan Agency for Planning (CMAP) 2050 projections (see ***Appendix B***), traffic volumes along Half Day Road are assumed to experience an annual, compounded growth rate of 0.46 percent. However, to provide a conservative analysis scenario, a 0.5 percent per year compounded growth rate was applied along Old Arlington Heights Road. No growth was applied to Country Lane, Miller Lane, Heritage Lane and Heritage Court, as it assumed that background growth would not occur in these areas.

2031 No-Build (Non-Site) Conditions

The 2031 No-Build traffic volumes were accordingly developed by applying a 0.5 percent compounded, annual growth rate (Old Arlington Heights Road) to the existing traffic (*Exhibit 3*). The 2031 No-Build traffic volume networks are graphically depicted on ***Exhibit 4***.

Proposed Development Plan

The Site Plan prepared by BSB Design is provided in ***Appendix C***. As proposed, the development includes the construction of 24 (3-story, 3-bedroom) townhomes contained within four buildings. The development will be served by 106 parking spaces: 48 garage spaces, two (2) per unit; 48 driveway spaces, 2 per unit; and 10 surface parking lot spaces. Access to the site is proposed via two full access driveways on Country Lane, one opposite Heritage Lane and one opposite Heritage Court. The existing driveways serving the site will be closed. No new site access is proposed to Old Arlington Heights Road.

Also, a connection (emergency access) to the Timber Court condominium development to the north may be provided, along with a potential pedestrian connection to the Arlington Executive Plaza business center to the west.

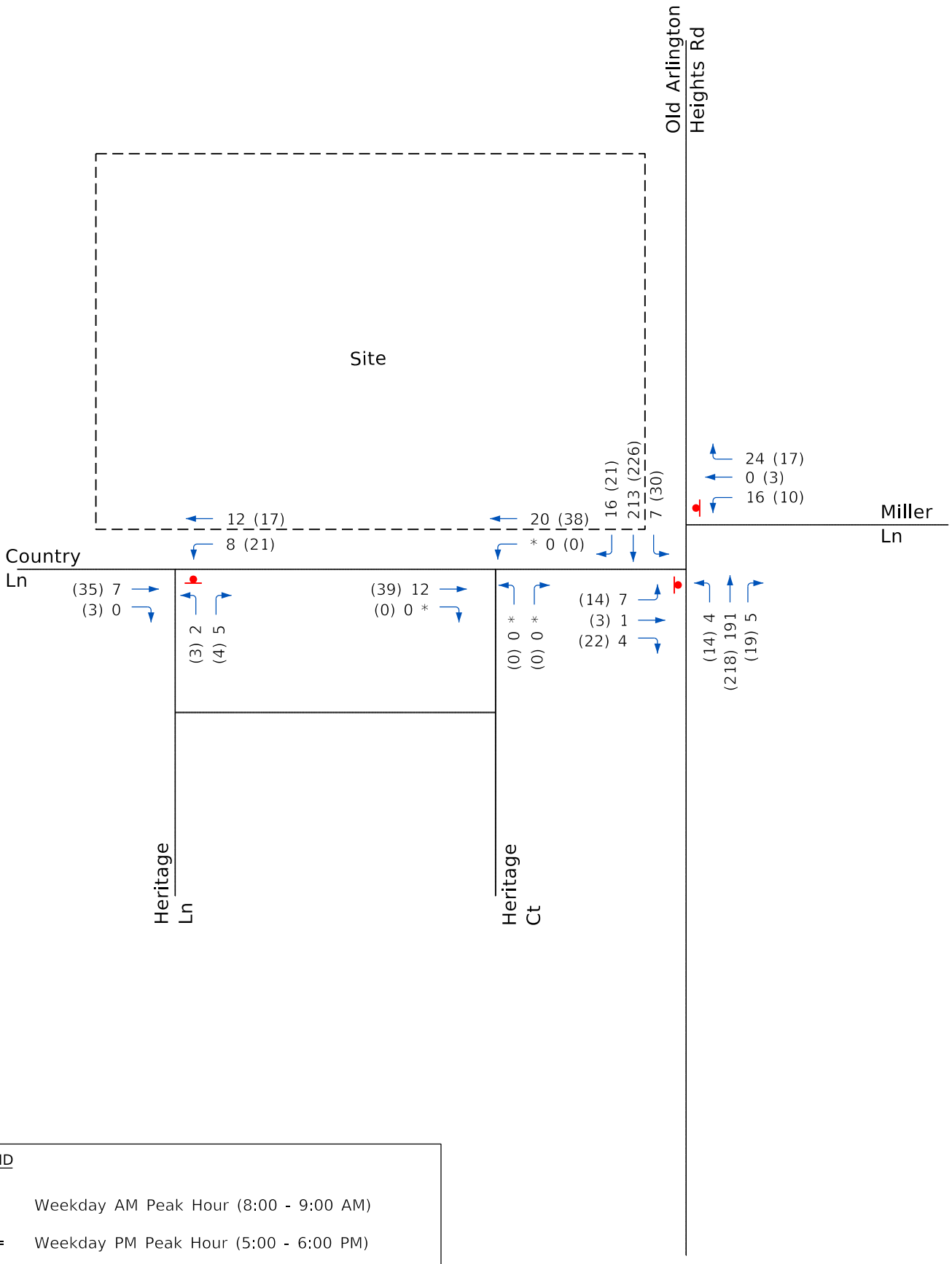
Trip Generation

The amount of traffic generated by a development depends on the type and density of the land use. Trip generation estimates for the development were calculated based on information published in the Institute of Transportation Engineers (ITE) Manual *Trip Generation*, 11th Edition (see ***Appendix D***). The ITE manual is a compilation of national traffic data surveys used to estimate traffic volumes for various land uses.

Table 2 provides a summary of the total trips to be generated by the proposed development, including residents, visitors, deliveries, etc.

Table 2: Estimated Trip Generation

Land Use / Size	ITE LUC	Weekday								
		AM Peak Hour			PM Peak Hour			Daily		
		In	Out	Total	In	Out	Total	In	Out	Total
Townhomes / 24 Units	220	7	23	30	19	12	31	115	115	230



LEGEND

XX = Weekday AM Peak Hour (8:00 - 9:00 AM)

(XX) = Weekday PM Peak Hour (5:00 - 6:00 PM)

Existing Stop Sign

✳ Emergency Acess Only

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Exhibit 4
2031 No Build Traffic

Directional Distribution

The anticipated trip distribution of new site traffic is summarized in ***Table 3***. This was based on current travel patterns, the operational characteristics of the street system and site access.

Table 3: Trip Distribution

Route & Direction	Percent Route	
	From (Enter)	To (Exit)
Country Lane		
West of the Site	5%	5%
Old Arlington Heights Road		
North of Country Lane/Miller Lane	60%	40%
South of Country Lane/Miller Lane	30%	50%
Miller Lane		
East of Old Arlington Heights Road	5%	5%
Heritage Lane		
South of Country Lane	--	--
Total	**100%**	

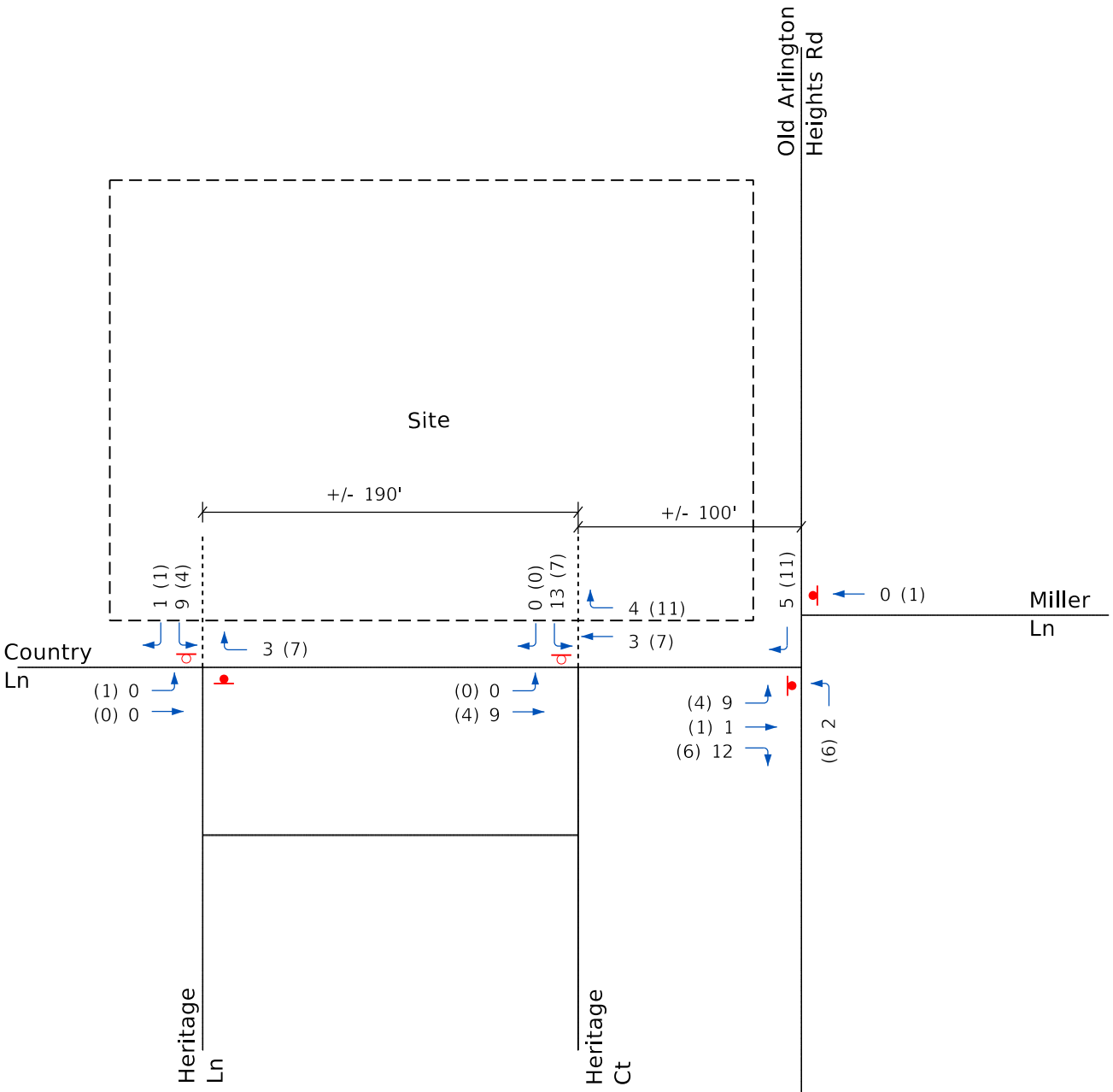
--Less than 5%

Site Traffic Assignment

Based on the direction of travel, the site-generated trips were assigned to the roadway network using the site estimated trips listed in *Table 2* and the anticipated directional distribution outlined in *Table 3*. The site vehicular traffic assignment is illustrated on ***Exhibit 5***.

2031 Total Traffic Conditions

The site-generated traffic volumes (*Exhibit 5*) were then added to the 2031 No-Build traffic volumes (*Exhibit 4*) to develop the 2031 Total traffic volumes. The Total traffic volumes for the year 2031 are shown on ***Exhibit 6***.



LEGEND

XX =	Weekday AM Peak Hour (8:00 - 9:00 AM)
(XX) =	Weekday PM Peak Hour (5:00 - 6:00 PM)
	Existing Stop Sign
	Proposed Stop Sign
✳	Emergency Acess Only

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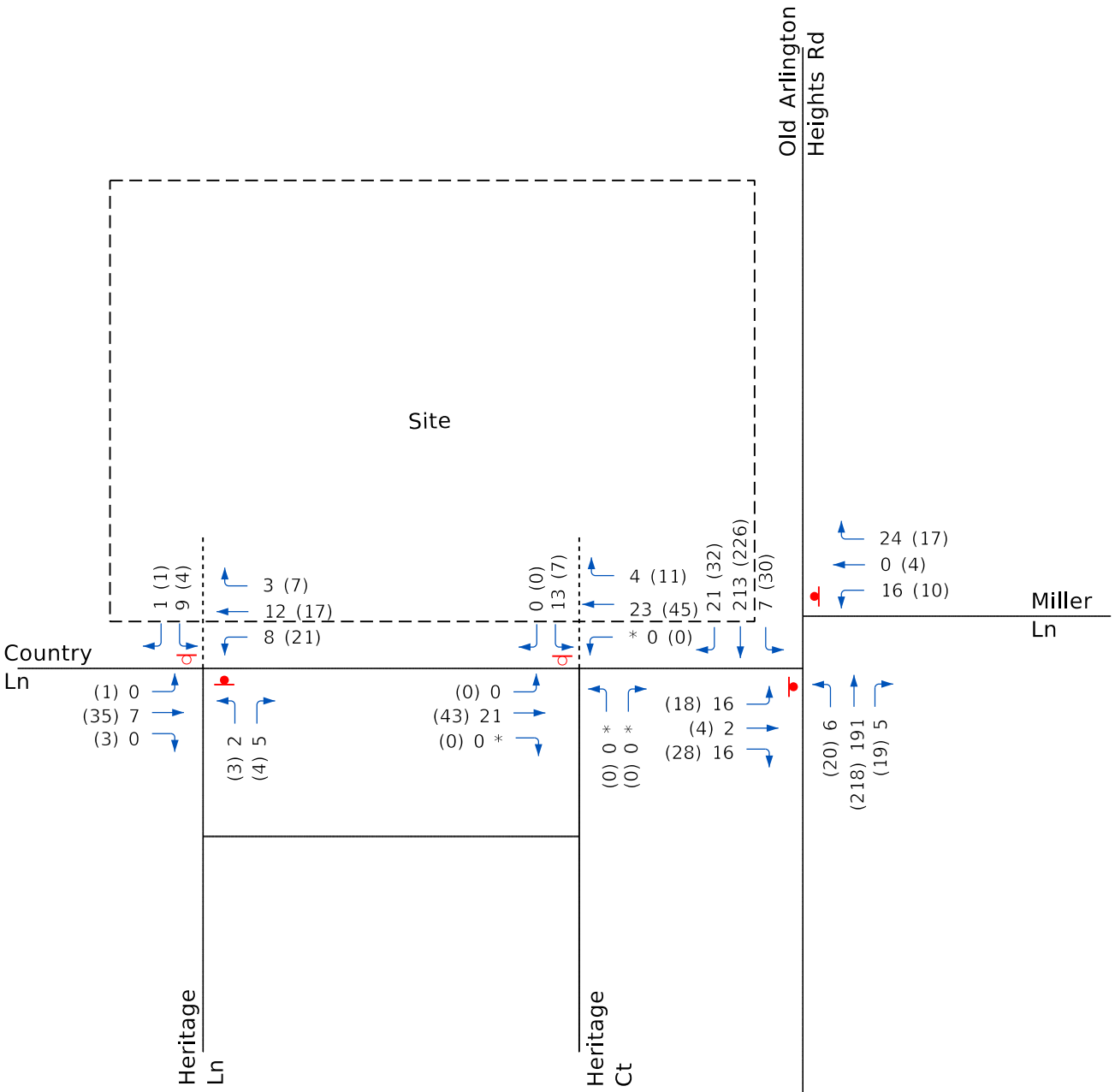
Exhibit 5
Site Traffic



LEGEND

XX =	Weekday AM Peak Hour (8:00 - 9:00 AM)
(XX) =	Weekday PM Peak Hour (5:00 - 6:00 PM)
	Existing Stop Sign
	Proposed Stop Sign
*	Emergency Acess Only

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Exhibit 6
2031 Total Traffic

Traffic Analysis

Auxiliary Lane Analysis

The IDOT Bureau of Design and Environment Manual (BDE) was used to determine the need for auxiliary lanes on Country Lane at the site access driveways under 2031 Total traffic conditions. The need for a right-turn lane on Old Arlington Heights Road at Country Lane / Miller Lane and a southbound left-turn lane was also evaluated under 2031 Total traffic conditions; *recall that a northbound left-turn lane is currently present on Old Arlington Heights Road at this intersection*.

Section 36-3 Auxiliary Turn Lanes indicates that a right-turn lane is considered when the criterion is met on Figure 36-A for Two-Lane Highways. Based on the projected approach and right-turn volumes, a right-turn lane is *not* warranted on Country Lane at the site accesses or on Old Arlington Heights Road at Country Lane/Miller Lane under year 2031 Total traffic conditions.

In addition, a left-turn is warranted at any unsignalized intersection that satisfies the guidelines on Figure 36-3G for Two-Lane Highways with a design speed of 40 mph (lowest design chart available) for Country Lane and Figure 36-3F for a 45-mph design speed (Old Arlington Heights Road). Based on the geometric design and lane usage and the estimate volume of site-generated traffic, a left-turn lane is *not* warranted on Country Lane at the site accesses or on southbound Arlington Heights Road at Country Lane / Miller Lane under 2031 Total traffic conditions.

A summary of the application of the turn lane warrants is provided in ***Appendix E***.

Capacity and Queue Analysis

A primary result of capacity analysis is the assignment of levels of service to traffic facilities under various traffic flow conditions. The capacity analysis methodology is based on the concepts and procedures in the Transportation Research Board's (TRB) *Highway Capacity Manual* (HCM). The concept of level of service (LOS) is defined as a qualitative measure describing operational conditions within a traffic stream and their perception by motorists and/or passengers. A level-of-service definition provides an index to quality of traffic flow in terms of such factors as speed, travel time, freedom to maneuver, traffic interruptions, comfort, convenience and safety.

Six levels of service are defined for each type of facility. They are given letter designations from A to F, with LOS A representing the best operating conditions and LOS F the worst. LOS C is often considered acceptable for design purposes and LOS D is usually considered as providing the lower threshold of acceptable operations. Since the level of service of a traffic facility is a function of the traffic flows placed upon it, such a facility may operate at a wide range of levels of service, depending on the time of day, day of week or period of year. A description of the operating condition under each level of service is provided in ***Table 4.***

Table 4: Level of Service (LOS) Summary

LOS	Description	Average Control Delay (sec/veh)	
		Signalized	Unsignalized
A	Describes conditions with little to no delay to motorists.	≤ 10	≤ 10
B	Represents a desirable level with relatively low delay to motorists.	>10 and ≤ 20	>10 and ≤ 15
C	Describes conditions with average delays to motorists.	>20 and ≤ 35	>15 and ≤ 25
D	Describes operations where the influence of congestion becomes more noticeable. Delays are still within an acceptable range.	>35 and ≤ 55	>25 and ≤ 35
E	Represents operating conditions with high delay values. This level is often considered within urban settings or for minor streets intersecting major arterial roadways to be the limit of acceptable delay.	>55 and ≤ 80	>35 and ≤ 50
F	Is considered unacceptable to most drivers with high delay values that often occur when arrival flow rates exceed the capacity of the intersection.	>80	>50

Capacity and queue analyses were conducted at all study intersections under Existing, 2031 No-Build and 2031 Total traffic volume conditions through application of the procedures described above. The impact of site-generated traffic can be measured by comparing 2031 No-Build conditions to 2031 Total conditions. The results of the intersection analyses are discussed below and are summarized in ***Table 5***.

All analysis worksheets are provided in ***Appendix F***.

Table 5: Level-of-Service and Queue Analysis Summary

Intersection/Peak Hour/Movement	Existing			2031 No-Build			2031 Total		
	Delay[1]	LOS[2]	Queue[3]	Delay	LOS	Queue	Delay	LOS	Queue
Old Arlington Heights Road at Country Lane and Miller Lane									
Weekday AM									
Country Ln EB approach	11.8	B	3	12.0	B	3	11.9	B	5
Miller Ln WB approach	11.1	B	5	11.2	B	5	11.3	B	5
Old Arlington Heights Rd NB left-turns	7.7	A	0	7.8	A	0	7.8	A	0
Old Arlington Heights Rd SB left-turns	7.7	A	0	7.8	A	0	7.7	A	0
Weekday PM									
Country Ln EB approach	12.1	B	5	12.2	B	8	12.6	B	8
Miller Ln WB approach	11.8	B	5	11.9	B	5	12.2	B	5
Old Arlington Heights Rd NB left-turns	7.9	A	0	7.9	A	0	7.9	A	3
Old Arlington Heights Rd SB left-turns	7.8	A	3	7.8	A	3	7.8	A	3
Country Lane at Heritage Lane and West Site Access									
Weekday AM									
Country Ln EB left-turns							0.0	A	0
Country Ln WB left-turns	7.2	A	0	7.5	A	0	7.2	A	0
Heritage Ln NB approach	8.5	A	0	8.5	A	0	8.5	A	0
West Site Access SB approach							8.8	A	0
Weekday PM									
Country Ln EB left-turns							7.3	A	0
Country Ln WB left-turns	7.4	A	3	7.4	A	3	7.4	A	3
Heritage Ln NB approach	9.0	A	0	9.0	A	0	9.1	A	0
West Site Access SB approach							9.4	A	0
Country Lane at Heritage Court (Emergency Access Only) and East Site Access									
Weekday AM									
Country Ln EB left-turns							0.0	A	0
Country Ln WB left-turns	0.0	A	0	0.0	A	0	0.0	A	0
Heritage Ct NB approach	0.0	A	0	0.0	A	0	0.0	A	0
East Site Access SB approach							8.9	A	3
Weekday PM									
Country Ln EB left-turns							0.0	A	0
Country Ln WB left-turns	0.0	A	0	0.0	A	0	0.0	A	0
Heritage Ct NB approach	0.0	A	0	0.0	A	0	0.0	A	0
East Site Access SB approach							9.5	A	0

[1] Average control delay in seconds per vehicle.
[2] Level of service.
[3] 95th percentile queue length in feet per lane.

Old Arlington Heights Road at Country Lane and Miller Lane

Under existing and future (2031 No-Build and Total) traffic conditions, all movements at the unsignalized intersection of Old Arlington Heights Road at Country Lane and Miller Lane operate desirable levels of service (at LOS "B" or better) during both peak hours studied. The 95th percentile queue length for eastbound movements on Country Lane is not anticipated to exceed one vehicle, which will not impact operations to/from the proposed site access. The proposed site traffic has minimal impact on the intersection operations.

Country Lane at Heritage Lane / West Site Access and Heritage Court (Emergency Access) / East Site Access

All movements at the Country Lane intersections with the west site access/Heritage Lane and the east site access / Heritage Court (emergency access) are anticipated to operate at desirable levels of service (at LOS "A") during both peak hours studied under both existing and future traffic conditions. The 95th-percentile queue lengths for exiting movements onto Country Lane, as well as left-turn entering movements are not expected to exceed one vehicle, which will not impact operations on- or off-site. Future conditions assumed the site access driveways would provide one inbound lane and one outbound lane, operating under Stop sign control.

Parking Analysis

Parking Demand Requirements

Based on the parking requirements outlined in the Village of Arlington Heights Code of Ordinance (Section 28.10.4) 48 parking spaces are required for the site. The Village's parking requirements are summarized in ***Table 6***.

Table 6: Village Parking Requirements

Use	Size	Parking Requirement	Parking Spaces	
			Required	Provided [A]
Townhomes	24 Units	2.0 spaces per dwelling unit	48	**106**

[A] 48 garage spaces (2 each per unit), 48 driveway spaces (2 each per unit) and 10 surface parking lot spaces.

Parking Demand Projections

To project the peak parking demand, BLA referenced the following sources:

- ITE Parking Generation 6th Edition and
- Urban Land Institute (ULI) Shared Parking, 3rd Edition.

ITE Parking Generation

The ITE Parking Generation publication provides a compilation of parking demand surveys from across the country for a wide variety of land uses. ITE LUC 220, Multifamily Housing (Low-Rise, 2+Bedrooms), was referenced for the proposed development (see ***Appendix G***). Using the ITE data, ***Table 7*** presents a summary of the projected peak parking demand for the proposed development on a weekday and weekend.

Table 7: Projected Peak Parking Demand: ITE – Parking Generation

Land Use	ITE LUC	Size	Average Peak Parking Demand				85th Percentile Parking Demand			
			Weekday		Weekend (Saturday)		Weekday		Weekend (Sunday)	
			Rate/Unit	Spaces	Rate/Unit	Spaces	Rate/Unit	Spaces	Rate/Unit	Spaces
Townhomes	220	24 Units	1.27	30	1.18	28	1.59	38	2.05	**49**

ULI Shared Parking

The ULI Shared Parking publication also contains rates for various uses by weekday and weekend. BLA referenced the peak parking demand rates for residential use (see ***Appendix H***) for the proposed development (see ***Table 8)***.

Table 8: Projected Peak Parking Demand: ULI – Parking Generation

Land Use	Size	Peak Parking Demand					
		Weekday			Weekend		
		Visitor (Rate/Unit)	Resident (Rate/Unit)	Spaces	Visitor (Rate/Unit)	Resident (Rate/Unit)	Spaces
Townhomes/3 bedrooms	24 Units	0.10	2.5	62	0.15	2.5	**64**

Summary

Based on the parking generation estimates, the anticipated pea parking demand for the proposed residential development is anticipated to be 48 to 64 spaces, with the higher estimate based on ULI rates on a weekend. ***Accordingly, the proposed parking supply of 106 spaces (48 garage spaces, 48 driveway spaces and 10 surface parking lot spaces) will be adequate to accommodate the project parking demand for the proposed development.***

Conclusions and Recommendations

A Traffic Impact Study was performed for the proposed East Country Lane residential development located at the northwest corner of Old Arlington Heights Road and Country Lane in Arlington Heights, Illinois. Existing and future conditions in the study area have been described, analyzed and evaluated with respect to traffic operations and the planned development. Conclusions and recommendations of this effort are presented below:

Conclusions:

1. The existing, approximately 1.84-acre site is currently vacant, formerly containing a single-family residence, accessed via one driveway on Old Arlington Heights Road and one driveway on Country Lane.
2. The project will include 24 (3-story, 3-bedroom) townhomes contained within four buildings. The development will be served by 106 parking spaces: 48 garage spaces, two (2) per unit; 48 driveway spaces, 2 per unit; and 10 surface parking lot spaces. Access to the site is proposed via two full access driveways on Country Lane, one opposite Heritage Lane and one opposite Heritage Court (Lexington Heritage emergency access). The existing driveways serving the site will be closed. No new site access is proposed to Old Arlington Heights Road.
3. A connection (emergency access) to the Timber Court condominium development to the north may also be provided, along with a potential pedestrian connection to the Arlington Executive Plaza business center to the west.
4. The site traffic impacts on the existing street system will be minimal. No improvements to the adjacent existing study area intersections are required to accommodate the development traffic.
5. No auxiliary turn lanes are warranted on Country Lane at the site access driveways.
6. The proposed street parking supply will be adequate to accommodate the projected parking demand for the proposed development.

Recommendations:

1. The site access driveways on Country Lane should provide one inbound lane and one outbound lane, operating under Stop sign control. A Stop bar should be placed in advance of the proposed sidewalk.
2. Any proposed, as well as existing vegetation and signage along the Country Lane and Old Arlington Heights Road site frontages should be kept low to the ground or set back sufficiently from the edge of the roadway so as not to inhibit the available site lines at the proposed site accesses, as well as the Country Lane and Old Arlington Heights Road intersection.

Appendices

Appendix A

Traffic Count Summaries

Country Lane / Miller Lane and Old Arlington... - TMC

Tue Jun 25, 2024
Full Length (7 AM-9 AM, 4 PM-6 PM)
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)
All Movements
ID: 1199920, Location: 42.135657, -87.980273

Provided by: Gewalt Hamilton Associates Inc.
625 Forest Edge Drive, Vernon Hills, IL, 60061, US

Leg	Country Lane						Miller Lane						Arlington Heights Rd						Arlington Heights Rd						
Direction	Eastbound						Westbound						Northbound						Southbound						
Time	L	T	R	U	**App**	Ped*	L	T	R	U	**App**	Ped*	L	T	R	U	**App**	Ped*	L	T	R	U	**App**	Ped*	**Int**
2024-06-25 7:00AM	0	0	0	0	**0**	0	4	0	7	0	**11**	0	1	20	1	0	**22**	0	0	38	4	0	**42**	0	**75**
7:15AM	3	1	1	0	**5**	0	5	0	5	0	**10**	0	3	28	2	0	**33**	0	1	44	2	0	**47**	0	**95**
7:30AM	2	0	1	0	**3**	0	6	0	8	0	**14**	0	4	41	1	0	**46**	0	0	37	3	0	**40**	0	**103**
7:45AM	0	0	1	0	**1**	0	8	0	2	0	**10**	0	1	34	3	0	**38**	0	1	51	2	0	**54**	0	**103**
Hourly Total	5	1	3	0	**9**	0	23	0	22	0	**45**	0	9	123	7	0	**139**	0	2	170	11	0	**183**	0	**376**
8:00AM	2	0	1	0	**3**	0	4	0	9	0	**13**	0	0	29	1	0	**30**	0	0	31	4	0	**35**	0	**81**
8:15AM	2	0	0	0	**2**	0	5	0	7	0	**12**	0	0	55	1	0	**56**	0	2	59	5	0	**66**	0	**136**
8:30AM	1	0	1	0	**2**	0	6	0	7	0	**13**	0	1	48	2	0	**51**	0	2	44	3	0	**49**	0	**115**
8:45AM	2	0	1	0	**3**	0	1	0	1	0	**2**	0	1	52	1	0	**54**	0	3	72	4	0	**79**	0	**138**
Hourly Total	7	0	3	0	**10**	0	16	0	24	0	**40**	0	2	184	5	0	**191**	0	7	206	16	0	**229**	0	**470**
4:00PM	3	0	6	0	**9**	1	2	0	5	0	**7**	0	1	62	3	0	**66**	0	12	59	3	0	**74**	0	**156**
4:15PM	2	0	0	0	**2**	0	2	1	6	0	**9**	0	2	64	4	0	**70**	0	7	50	3	0	**60**	0	**141**
4:30PM	3	0	3	0	**6**	0	2	2	2	0	**6**	0	0	48	3	0	**51**	0	11	36	8	0	**55**	0	**118**
4:45PM	5	0	3	0	**8**	0	4	0	6	0	**10**	3	6	56	1	0	**63**	0	11	53	5	0	**69**	0	**150**
Hourly Total	13	0	12	0	**25**	1	10	3	19	0	**32**	3	9	230	11	0	**250**	0	41	198	19	0	**258**	0	**565**
5:00PM	8	0	10	0	**18**	0	2	0	4	0	**6**	1	6	53	4	0	**63**	0	6	55	5	0	**66**	0	**153**
5:15PM	4	1	1	0	**6**	0	2	0	5	0	**7**	1	0	44	3	0	**47**	0	7	56	2	0	**65**	0	**125**
5:30PM	1	1	7	0	**9**	0	3	0	3	0	**6**	0	2	56	6	0	**64**	0	8	52	3	0	**63**	0	**142**
5:45PM	1	1	4	0	**6**	0	3	0	5	0	**8**	0	4	58	6	0	**68**	0	9	55	5	0	**69**	0	**151**
Hourly Total	14	3	22	0	**39**	0	10	0	17	0	**27**	2	12	211	19	0	**242**	0	30	218	15	0	**263**	0	**571**
Total	39	4	40	0	**83**	1	59	3	82	0	**144**	5	32	748	42	0	**822**	0	80	792	61	0	**933**	0	**1982**
% Approach	47.0%	4.8%	48.2%	0%	**-**	-	41.0%	2.1%	56.9%	0%	**-**	-	3.9%	91.0%	5.1%	0%	**-**	-	8.6%	84.9%	6.5%	0%	**-**	-	-
% Total	2.0%	0.2%	2.0%	0%	**4.2%**	-	3.0%	0.2%	4.1%	0%	**7.3%**	-	1.6%	37.7%	2.1%	0%	**41.5%**	-	4.0%	40.0%	3.1%	0%	**47.1%**	-	-
Lights	39	3	38	0	**80**	-	59	3	81	0	**143**	-	31	736	41	0	**808**	-	80	778	61	0	**919**	-	1950
% Lights	100%	75.0%	95.0%	0%	**96.4%**	-	100%	100%	98.8%	0%	**99.3%**	-	96.9%	98.4%	97.6%	0%	**98.3%**	-	100%	98.2%	100%	0%	**98.5%**	-	98.4%
Articulated Trucks	0	0	0	0	**0**	-	0	0	0	0	**0**	-	0	1	0	0	**1**	-	0	1	0	0	**1**	-	2
% Articulated Trucks	0%	0%	0%	0%	**0%**	-	0%	0%	0%	0%	**0%**	-	0%	0.1%	0%	0%	**0.1%**	-	0%	0.1%	0%	0%	**0.1%**	-	0.1%
Buses and Single-Unit Trucks	0	1	2	0	**3**	-	0	0	1	0	**1**	-	1	11	1	0	**13**	-	0	13	0	0	**13**	-	30
% Buses and Single-Unit Trucks	0%	25.0%	5.0%	0%	**3.6%**	-	0%	0%	1.2%	0%	**0.7%**	-	3.1%	1.5%	2.4%	0%	**1.6%**	-	0%	1.6%	0%	0%	**1.4%**	-	1.5%
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	5	-	-	-	-	-	0	-	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Country Lane / Miller Lane and Old Arlington... - TMC

Tue Jun 25, 2024
AM Peak (8 AM - 9 AM)
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)
All Movements
ID: 1199920, Location: 42.135657, -87.980273

GEWALT HAMILTON ASSOCIATES, INC.
Provided by: Gewalt Hamilton Associates Inc.
625 Forest Edge Drive, Vernon Hills, IL, 60061, US

Leg / Direction	Country Lane Eastbound						Miller Lane Westbound						Arlington Heights Rd Northbound						Arlington Heights Rd Southbound						
Time	L	T	R	U	**App**	Ped*	L	T	R	U	**App**	Ped*	L	T	R	U	**App**	Ped*	L	T	R	U	**App**	Ped*	**Int**
2024-06-25 8:00AM	2	0	1	0	**3**	0	4	0	9	0	**13**	0	0	29	1	0	**30**	0	0	31	4	0	**35**	0	**81**
8:15AM	2	0	0	0	**2**	0	5	0	7	0	**12**	0	0	55	1	0	**56**	0	2	59	5	0	**66**	0	**136**
8:30AM	1	0	1	0	**2**	0	6	0	7	0	**13**	0	1	48	2	0	**51**	0	2	44	3	0	**49**	0	**115**
8:45AM	2	0	1	0	**3**	0	1	0	1	0	**2**	0	1	52	1	0	**54**	0	3	72	4	0	**79**	0	**138**
Total	7	0	3	0	**10**	0	16	0	24	0	**40**	0	2	184	5	0	**191**	0	7	206	16	0	**229**	0	**470**
% Approach	70.0%	0%	30.0%	0%	**-**	-	40.0%	0%	60.0%	0%	**-**	-	1.0%	96.3%	2.6%	0%	**-**	-	3.1%	90.0%	7.0%	0%	**-**	-	-
% Total	1.5%	0%	0.6%	0%	**2.1%**	-	3.4%	0%	5.1%	0%	**8.5%**	-	0.4%	39.1%	1.1%	0%	**40.6%**	-	1.5%	43.8%	3.4%	0%	**48.7%**	-	-
PHF	0.875	-	0.750	-	**0.833**	-	0.667	-	0.667	-	**0.769**	-	0.500	0.836	0.625	-	**0.853**	-	0.583	0.715	0.800	-	**0.725**	-	0.851
Lights	7	0	3	0	**10**	-	16	0	23	0	**39**	-	2	181	4	0	**187**	-	7	202	16	0	**225**	-	461
% Lights	100%	0%	100%	0%	**100%**	-	100%	0%	95.8%	0%	**97.5%**	-	100%	98.4%	80.0%	0%	**97.9%**	-	100%	98.1%	100%	0%	**98.3%**	-	98.1%
Articulated Trucks	0	0	0	0	**0**	-	0	0	0	0	**0**	-	0	1	0	0	**1**	-	0	0	0	0	**0**	-	1
% Articulated Trucks	0%	0%	0%	0%	**0%**	-	0%	0%	0%	0%	**0%**	-	0%	0.5%	0%	0%	**0.5%**	-	0%	0%	0%	0%	**0%**	-	0.2%
Buses and Single-Unit Trucks	0	0	0	0	**0**	-	0	0	1	0	**1**	-	0	2	1	0	**3**	-	0	4	0	0	**4**	-	8
% Buses and Single-Unit Trucks	0%	0%	0%	0%	**0%**	-	0%	0%	4.2%	0%	**2.5%**	-	0%	1.1%	20.0%	0%	**1.6%**	-	0%	1.9%	0%	0%	**1.7%**	-	1.7%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Country Lane / Miller Lane and Old Arlington... - TMC

Tue Jun 25, 2024
PM Peak (5 PM - 6 PM) - Overall Peak Hour
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)
All Movements
ID: 1199920, Location: 42.135657, -87.980273

Provided by: Gewalt Hamilton Associates Inc.
625 Forest Edge Drive, Vernon Hills, IL, 60061, US

Leg Direction	Country Lane Eastbound						Miller Lane Westbound						Arlington Heights Rd Northbound						Arlington Heights Rd Southbound						
Time	L	T	R	U	**App**	Ped*	L	T	R	U	**App**	Ped*	L	T	R	U	**App**	Ped*	L	T	R	U	**App**	Ped*	**Int**
2024-06-25 5:00PM	8	0	10	0	**18**	0	2	0	4	0	**6**	1	6	53	4	0	**63**	0	6	55	5	0	**66**	0	**153**
5:15PM	4	1	1	0	**6**	0	2	0	5	0	**7**	1	0	44	3	0	**47**	0	7	56	2	0	**65**	0	**125**
5:30PM	1	1	7	0	**9**	0	3	0	3	0	**6**	0	2	56	6	0	**64**	0	8	52	3	0	**63**	0	**142**
5:45PM	1	1	4	0	**6**	0	3	0	5	0	**8**	0	4	58	6	0	**68**	0	9	55	5	0	**69**	0	**151**
Total	14	3	22	0	**39**	0	10	0	17	0	**27**	2	12	211	19	0	**242**	0	30	218	15	0	**263**	0	**571**
% Approach	35.9%	7.7%	56.4%	0%	**-**	-	37.0%	0%	63.0%	0%	**-**	-	5.0%	87.2%	7.9%	0%	**-**	-	11.4%	82.9%	5.7%	0%	**-**	-	-
% Total	2.5%	0.5%	3.9%	0%	**6.8%**	-	1.8%	0%	3.0%	0%	**4.7%**	-	2.1%	37.0%	3.3%	0%	**42.4%**	-	5.3%	38.2%	2.6%	0%	**46.1%**	-	-
PHF	0.438	0.750	0.550	-	**0.542**	-	0.833	-	0.850	-	**0.844**	-	0.500	0.909	0.792	-	**0.890**	-	0.833	0.973	0.750	-	**0.953**	-	0.933
Lights	14	2	21	0	**37**	-	10	0	17	0	**27**	-	11	211	19	0	**241**	-	30	215	15	0	**260**	-	565
% Lights	100%	66.7%	95.5%	0%	**94.9%**	-	100%	0%	100%	0%	**100%**	-	91.7%	100%	100%	0%	**99.6%**	-	100%	98.6%	100%	0%	**98.9%**	-	98.9%
Articulated Trucks	0	0	0	0	**0**	-	0	0	0	0	**0**	-	0	0	0	0	**0**	-	0	0	0	0	**0**	-	0
% Articulated Trucks	0%	0%	0%	0%	**0%**	-	0%	0%	0%	0%	**0%**	-	0%	0%	0%	0%	**0%**	-	0%	0%	0%	0%	**0%**	-	0%
Buses and Single-Unit Trucks	0	1	1	0	**2**	-	0	0	0	0	**0**	-	1	0	0	0	**1**	-	0	3	0	0	**3**	-	6
% Buses and Single-Unit Trucks	0%	33.3%	4.5%	0%	**5.1%**	-	0%	0%	0%	0%	**0%**	-	8.3%	0%	0%	0%	**0.4%**	-	0%	1.4%	0%	0%	**1.1%**	-	1.1%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Heritage Lane and Country Lane - TMC

Tue Jun 25, 2024
Full Length (7 AM-9 AM, 4 PM-6 PM)
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)
All Movements
ID: 1199922, Location: 42.135661, -87.981522

Provided by: Gewalt Hamilton Associates Inc.
625 Forest Edge Drive, Vernon Hills, IL, 60061, US

Leg Direction	Country Lane Eastbound					Country Lane Westbound					Heritage Lane Northbound					
Time	T	R	U	**App**	Ped*	L	T	U	**App**	Ped*	L	R	U	**App**	Ped*	**Int**
2024-06-25 7:00AM	1	0	0	**1**	0	2	3	0	**5**	0	1	0	0	**1**	0	**7**
7:15AM	2	0	0	**2**	0	2	3	0	**5**	0	0	2	0	**2**	0	**9**
7:30AM	3	0	0	**3**	0	2	5	0	**7**	0	0	0	0	**0**	0	**10**
7:45AM	1	0	0	**1**	0	2	1	0	**3**	0	1	0	0	**1**	0	**5**
Hourly Total	7	0	0	**7**	0	8	12	0	**20**	0	2	2	0	**4**	0	**31**
8:00AM	0	0	0	**0**	0	0	4	0	**4**	0	0	3	0	**3**	0	**7**
8:15AM	1	0	0	**1**	0	0	4	0	**4**	0	0	0	0	**0**	0	**5**
8:30AM	1	0	0	**1**	0	1	2	1	**4**	0	0	0	0	**0**	0	**5**
8:45AM	1	1	0	**2**	0	0	5	0	**5**	0	2	2	0	**4**	0	**11**
Hourly Total	3	1	0	**4**	0	1	15	1	**17**	0	2	5	0	**7**	0	**28**
4:00PM	8	0	0	**8**	0	1	3	0	**4**	0	1	0	0	**1**	2	**13**
4:15PM	1	2	0	**3**	1	4	2	0	**6**	0	1	0	0	**1**	3	**10**
4:30PM	4	0	0	**4**	0	3	7	0	**10**	0	1	1	0	**2**	0	**16**
4:45PM	6	0	0	**6**	0	5	6	0	**11**	0	1	1	0	**2**	1	**19**
Hourly Total	19	2	0	**21**	1	13	18	0	**31**	0	4	2	0	**6**	6	**58**
5:00PM	16	1	0	**17**	0	9	2	0	**11**	0	0	1	0	**1**	1	**29**
5:15PM	5	0	0	**5**	0	1	1	0	**2**	0	1	0	0	**1**	0	**8**
5:30PM	8	0	0	**8**	0	3	1	0	**4**	0	0	1	0	**1**	0	**13**
5:45PM	5	2	0	**7**	0	2	7	0	**9**	0	1	2	0	**3**	0	**19**
Hourly Total	34	3	0	**37**	0	15	11	0	**26**	0	2	4	0	**6**	1	**69**
Total	63	6	0	**69**	1	37	56	1	**94**	0	10	13	0	**23**	7	**186**
% Approach	91.3%	8.7%	0%	**-**	-	39.4%	59.6%	1.1%	**-**	-	43.5%	56.5%	0%	**-**	-	-
% Total	33.9%	3.2%	0%	**37.1%**	-	19.9%	30.1%	0.5%	**50.5%**	-	5.4%	7.0%	0%	**12.4%**	-	-
Lights	62	6	0	**68**	-	36	56	1	**93**	-	10	11	0	**21**	-	182
% Lights	98.4%	100%	0%	**98.6%**	-	97.3%	100%	100%	**98.9%**	-	100%	84.6%	0%	**91.3%**	-	97.8%
Articulated Trucks	0	0	0	**0**	-	0	0	0	**0**	-	0	0	0	**0**	-	0
% Articulated Trucks	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%
Buses and Single-Unit Trucks	1	0	0	**1**	-	1	0	0	**1**	-	0	2	0	**2**	-	4
% Buses and Single-Unit Trucks	1.6%	0%	0%	**1.4%**	-	2.7%	0%	0%	**1.1%**	-	0%	15.4%	0%	**8.7%**	-	2.2%
Pedestrians	-	-	-	-	1	-	-	-	-	0	-	-	-	-	7	
% Pedestrians	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	100%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Heritage Lane and Country Lane - TMC

Tue Jun 25, 2024
AM Peak (7 AM - 8 AM)
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)
All Movements
ID: 1199922, Location: 42.135661, -87.981522

Provided by: Gewalt Hamilton Associates Inc.
625 Forest Edge Drive, Vernon Hills, IL, 60061, US

Leg Direction	Country Lane Eastbound					Country Lane Westbound					Heritage Lane Northbound					
Time	T	R	U	**App**	Ped*	L	T	U	**App**	Ped*	L	R	U	**App**	Ped*	**Int**
2024-06-25 7:00AM	1	0	0	**1**	0	2	3	0	**5**	0	1	0	0	**1**	0	**7**
7:15AM	2	0	0	**2**	0	2	3	0	**5**	0	0	2	0	**2**	0	**9**
7:30AM	3	0	0	**3**	0	2	5	0	**7**	0	0	0	0	**0**	0	**10**
7:45AM	1	0	0	**1**	0	2	1	0	**3**	0	1	0	0	**1**	0	**5**
Total	7	0	0	**7**	0	8	12	0	**20**	0	2	2	0	**4**	0	**31**
% Approach	100%	0%	0%	**-**	-	40.0%	60.0%	0%	**-**	-	50.0%	50.0%	0%	**-**	-	**-**
% Total	22.6%	0%	0%	**22.6%**	-	25.8%	38.7%	0%	**64.5%**	-	6.5%	6.5%	0%	**12.9%**	-	**-**
PHF	0.583	-	-	**0.583**	-	1.000	0.600	-	**0.714**	-	0.500	0.250	-	**0.500**	-	0.775
Lights	6	0	0	**6**	-	8	12	0	**20**	-	2	2	0	**4**	-	30
% Lights	85.7%	0%	0%	**85.7%**	-	100%	100%	0%	**100%**	-	100%	100%	0%	**100%**	-	96.8%
Articulated Trucks	0	0	0	**0**	-	0	0	0	**0**	-	0	0	0	**0**	-	0
% Articulated Trucks	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%
Buses and Single-Unit Trucks	1	0	0	**1**	-	0	0	0	**0**	-	0	0	0	**0**	-	1
% Buses and Single-Unit Trucks	14.3%	0%	0%	**14.3%**	-	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	3.2%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Heritage Lane and Country Lane - TMC

Tue Jun 25, 2024
PM Peak (4:15 PM - 5:15 PM) - Overall Peak Hour
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)
All Movements
ID: 1199922, Location: 42.135661, -87.981522

GEWALT HAMILTON ASSOCIATES, INC.
Provided by: Gewalt Hamilton Associates Inc.
625 Forest Edge Drive, Vernon Hills, IL, 60061, US

Leg Direction	Country Lane Eastbound					Country Lane Westbound					Heritage Lane Northbound					
Time	T	R	U	**App**	Ped*	L	T	U	**App**	Ped*	L	R	U	**App**	Ped*	**Int**
2024-06-25 4:15PM	1	2	0	**3**	1	4	2	0	**6**	0	1	0	0	**1**	3	**10**
4:30PM	4	0	0	**4**	0	3	7	0	**10**	0	1	1	0	**2**	0	**16**
4:45PM	6	0	0	**6**	0	5	6	0	**11**	0	1	1	0	**2**	1	**19**
5:00PM	16	1	0	**17**	0	9	2	0	**11**	0	0	1	0	**1**	1	**29**
Total	27	3	0	**30**	1	21	17	0	**38**	0	3	3	0	**6**	5	**74**
% Approach	90.0%	10.0%	0%	**-**	-	55.3%	44.7%	0%	**-**	-	50.0%	50.0%	0%	**-**	-	-
% Total	36.5%	4.1%	0%	**40.5%**	-	28.4%	23.0%	0%	**51.4%**	-	4.1%	4.1%	0%	**8.1%**	-	-
PHF	0.422	0.375	-	**0.441**	-	0.583	0.607	-	**0.864**	-	0.750	0.750	-	**0.750**	-	0.638
Lights	27	3	0	**30**	-	21	17	0	**38**	-	3	3	0	**6**	-	74
% Lights	100%	100%	0%	**100%**	-	100%	100%	0%	**100%**	-	100%	100%	0%	**100%**	-	100%
Articulated Trucks	0	0	0	**0**	-	0	0	0	**0**	-	0	0	0	**0**	-	0
% Articulated Trucks	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%
Buses and Single-Unit Trucks	0	0	0	**0**	-	0	0	0	**0**	-	0	0	0	**0**	-	0
% Buses and Single-Unit Trucks	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%
Pedestrians	-	-	-	-	1	-	-	-	-	0	-	-	-	-	5	
% Pedestrians	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	100%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Heritage Court and Country Lane - TMC

Tue Jun 25, 2024
Full Length (7 AM-9 AM, 4 PM-6 PM)
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)
All Movements
ID: 1199921, Location: 42.135669, -87.980816

GEWALT HAMILTON ASSOCIATES, INC.
Provided by: Gewalt Hamilton Associates Inc.
625 Forest Edge Drive, Vernon Hills, IL, 60061, US

Leg / Direction	Country Lane Eastbound					Country Lane Westbound					Heritage Court Northbound					
Time	T	R	U	**App**	Ped*	L	T	U	**App**	Ped*	L	R	U	**App**	Ped*	**Int**
2024-06-25 7:00AM	0	0	0	**0**	0	0	6	0	**6**	0	0	0	0	**0**	1	**6**
7:15AM	5	0	0	**5**	0	0	5	0	**5**	0	0	0	0	**0**	1	**10**
7:30AM	3	0	0	**3**	0	0	7	0	**7**	0	0	0	0	**0**	0	**10**
7:45AM	1	0	0	**1**	0	0	3	0	**3**	0	0	0	0	**0**	0	**4**
Hourly Total	9	0	0	**9**	0	0	21	0	**21**	0	0	0	0	**0**	2	**30**
8:00AM	3	0	0	**3**	0	0	4	0	**4**	0	0	0	0	**0**	0	**7**
8:15AM	1	0	0	**1**	0	0	4	1	**5**	0	0	0	0	**0**	0	**6**
8:30AM	2	0	0	**2**	0	0	4	0	**4**	0	0	0	0	**0**	0	**6**
8:45AM	3	0	0	**3**	0	0	5	0	**5**	0	0	0	0	**0**	0	**8**
Hourly Total	9	0	0	**9**	0	0	17	1	**18**	0	0	0	0	**0**	0	**27**
4:00PM	8	0	0	**8**	0	0	4	0	**4**	0	0	0	0	**0**	3	**12**
4:15PM	1	0	0	**1**	0	0	6	0	**6**	0	0	0	0	**0**	0	**7**
4:30PM	6	0	0	**6**	0	0	10	0	**10**	0	0	0	0	**0**	0	**16**
4:45PM	8	0	0	**8**	0	0	11	0	**11**	0	0	0	0	**0**	1	**19**
Hourly Total	23	0	0	**23**	0	0	31	0	**31**	0	0	0	0	**0**	4	**54**
5:00PM	18	0	0	**18**	0	0	11	0	**11**	0	0	0	0	**0**	1	**29**
5:15PM	6	0	0	**6**	0	0	2	0	**2**	0	0	0	0	**0**	0	**8**
5:30PM	9	0	0	**9**	0	0	5	0	**5**	0	0	0	0	**0**	0	**14**
5:45PM	6	0	0	**6**	0	0	9	0	**9**	0	0	0	0	**0**	0	**15**
Hourly Total	39	0	0	**39**	0	0	27	0	**27**	0	0	0	0	**0**	1	**66**
Total	80	0	0	**80**	0	0	96	1	**97**	0	0	0	0	**0**	7	**177**
% Approach	100%	0%	0%	**-**	-	0%	99.0%	1.0%	**-**	-	0%	0%	0%	**-**	-	-
% Total	45.2%	0%	0%	**45.2%**	-	0%	54.2%	0.6%	**54.8%**	-	0%	0%	0%	**0%**	-	-
Lights	77	0	0	**77**	-	0	95	1	**96**	-	0	0	0	**0**	-	173
% Lights	96.3%	0%	0%	**96.3%**	-	0%	99.0%	100%	**99.0%**	-	0%	0%	0%	**-**	-	97.7%
Articulated Trucks	0	0	0	**0**	-	0	0	0	**0**	-	0	0	0	**0**	-	0
% Articulated Trucks	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%	0%	0%	**-**	-	0%
Buses and Single-Unit Trucks	3	0	0	**3**	-	0	1	0	**1**	-	0	0	0	**0**	-	4
% Buses and Single-Unit Trucks	3.8%	0%	0%	**3.8%**	-	0%	1.0%	0%	**1.0%**	-	0%	0%	0%	**-**	-	2.3%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	7	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Heritage Court and Country Lane - TMC

Tue Jun 25, 2024
AM Peak (7:15 AM - 8:15 AM)
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)
All Movements
ID: 1199921, Location: 42.135669, -87.980816

Provided by: Gewalt Hamilton Associates Inc.
625 Forest Edge Drive, Vernon Hills, IL, 60061, US

Leg Direction	Country Lane Eastbound					Country Lane Westbound					Heritage Court Northbound					
Time	T	R	U	**App**	Ped*	L	T	U	**App**	Ped*	L	R	U	**App**	Ped*	**Int**
2024-06-25 7:15AM	5	0	0	**5**	0	0	5	0	**5**	0	0	0	0	**0**	1	**10**
7:30AM	3	0	0	**3**	0	0	7	0	**7**	0	0	0	0	**0**	0	**10**
7:45AM	1	0	0	**1**	0	0	3	0	**3**	0	0	0	0	**0**	0	**4**
8:00AM	3	0	0	**3**	0	0	4	0	**4**	0	0	0	0	**0**	0	**7**
Total	12	0	0	**12**	0	0	19	0	**19**	0	0	0	0	**0**	1	**31**
% Approach	100%	0%	0%	**-**	-	0%	100%	0%	**-**	-	0%	0%	0%	**-**	-	**-**
% Total	38.7%	0%	0%	**38.7%**	-	0%	61.3%	0%	**61.3%**	-	0%	0%	0%	**0%**	-	**-**
PHF	0.600	-	-	**0.600**	-	-	0.679	-	**0.679**	-	-	-	-	**-**	-	0.775
Lights	11	0	0	**11**	-	0	19	0	**19**	-	0	0	0	**0**	-	30
% Lights	91.7%	0%	0%	**91.7%**	-	0%	100%	0%	**100%**	-	0%	0%	0%	**-**	-	96.8%
Articulated Trucks	0	0	0	**0**	-	0	0	0	**0**	-	0	0	0	**0**	-	0
% Articulated Trucks	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%	0%	0%	**-**	-	0%
Buses and Single-Unit Trucks	1	0	0	**1**	-	0	0	0	**0**	-	0	0	0	**0**	-	1
% Buses and Single-Unit Trucks	8.3%	0%	0%	**8.3%**	-	0%	0%	0%	**0%**	-	0%	0%	0%	**-**	-	3.2%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	1	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Heritage Court and Country Lane - TMC

Tue Jun 25, 2024
PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour
All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians)
All Movements
ID: 1199921, Location: 42.135669, -87.980816

GEWALT HAMILTON ASSOCIATES, INC.
Provided by: Gewalt Hamilton Associates Inc.
625 Forest Edge Drive, Vernon Hills, IL, 60061, US

Leg Direction	Country Lane Eastbound					Country Lane Westbound					Heritage Court Northbound					
Time	T	R	U	**App**	Ped*	L	T	U	**App**	Ped*	L	R	U	**App**	Ped*	**Int**
2024-06-25 4:30PM	6	0	0	**6**	0	0	10	0	**10**	0	0	0	0	**0**	0	**16**
4:45PM	8	0	0	**8**	0	0	11	0	**11**	0	0	0	0	**0**	1	**19**
5:00PM	18	0	0	**18**	0	0	11	0	**11**	0	0	0	0	**0**	1	**29**
5:15PM	6	0	0	**6**	0	0	2	0	**2**	0	0	0	0	**0**	0	**8**
Total	38	0	0	**38**	0	0	34	0	**34**	0	0	0	0	**0**	2	**72**
% Approach	100%	0%	0%	**-**	-	0%	100%	0%	**-**	-	0%	0%	0%	**-**	-	**-**
% Total	52.8%	0%	0%	**52.8%**	-	0%	47.2%	0%	**47.2%**	-	0%	0%	0%	**0%**	-	**-**
PHF	0.528	-	-	**0.528**	-	-	0.773	-	**0.773**	-	-	-	-	**-**	-	0.621
Lights	38	0	0	**38**	-	0	34	0	**34**	-	0	0	0	**0**	-	72
% Lights	100%	0%	0%	**100%**	-	0%	100%	0%	**100%**	-	0%	0%	0%	**-**	-	100%
Articulated Trucks	0	0	0	**0**	-	0	0	0	**0**	-	0	0	0	**0**	-	0
% Articulated Trucks	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%	0%	0%	**-**	-	0%
Buses and Single-Unit Trucks	0	0	0	**0**	-	0	0	0	**0**	-	0	0	0	**0**	-	0
% Buses and Single-Unit Trucks	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%	0%	0%	**-**	-	0%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	2	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Appendix B

CMAP Traffic Volume Projections

Chicago Metropolitan Agency for Planning

433 West Van Buren Street, Suite 450
Chicago, IL 60607
cmap.illinois.gov | 312-454-0400

June 27, 2024

Lynn M. Means, P.E., PTOE, RSP1
Senior Transportation Engineer
BLA, Inc.
333 Pierce Road
Suite 200
Itasca, IL 60143

Subject: Old Arlington Heights Rd Between Dundee Rd (IL 68) and Arlington Heights Rd/University Dr
IDOT

Dear Ms. Means:

In response to a request made on your behalf and dated June 26, 2024, we have developed year 2050 average daily traffic (ADT) projections for the subject location.

ROAD SEGMENT	Current ADT (2022)	Year 2050 ADT
Old Arlington Hts Rd b/w Dundee Rd and Arlington Hts Rd / University Dr	4,050	4,600

Traffic projections are developed using existing ADT data provided in the request letter and the results from the June 2024 CMAP Travel Demand Analysis. The regional travel model uses CMAP 2050 socioeconomic projections and assumes the implementation of the ON TO 2050 Comprehensive Regional Plan for the Northeastern Illinois area. The provision of this data in support of your request does not constitute a CMAP endorsement of the proposed development or any subsequent developments.

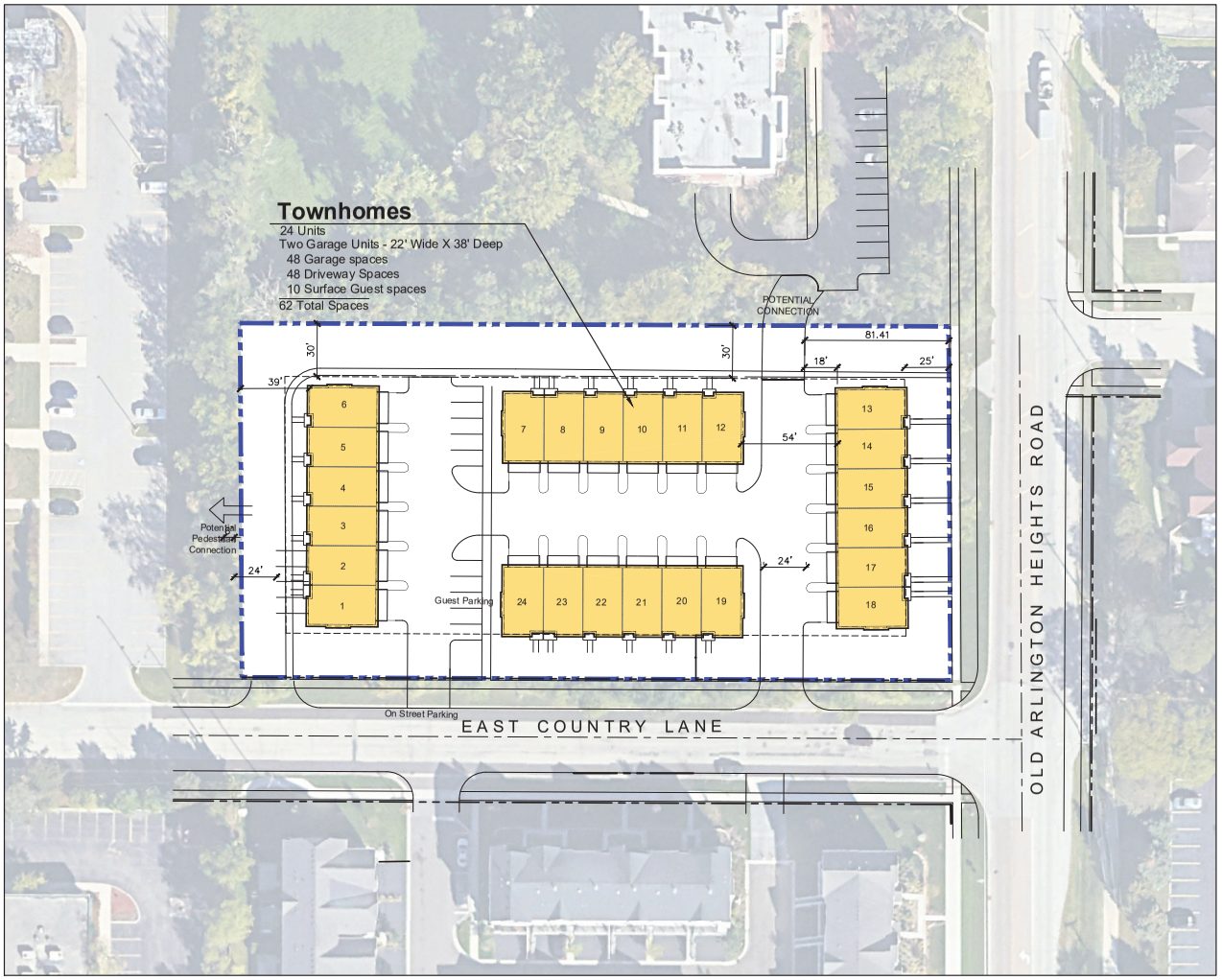
If you have any questions, please call me at (312) 386-8806 or email me at jrodriguez@cmap.illinois.gov

Jose Rodriguez, PTP, AICP
Senior Planner, Research & Analysis

cc: Rios (IDOT)
\2024_TrafficForecasts\ArlingtonHeights\ck-79-24\ck-79-24.docx

Appendix C

Site Plan



SITE INFORMATION:

Area	**1.84 acres**
Townhome Units	**24**
Garage Spaces	**48**
Driveway	**48**
Guest Spaces	**10**
	4.41 sp/unit

R-6 Zoning Requirements:

Setbacks:

Front	**25'**
Side Separation	**54' min**
Rear	**30'**
Lot Coverage	**30% est.**
Impervious	**26% est.**
Height	**40' (30' to eave)**
Sq Ft Per Unit	**3,339.6 sf**
Affordable Units	**1.2 (5%)**

North

0 15 30 60 120

CornerSite

Conceptual Site Plan
East Country Lane Townhomes
Arlington Heights, Illinois

BSB DESIGN

Date: April 6, 2024

The drawings presented are illustrative of character and design intent only, and are subject to change based upon final design considerations (i.e. applicable codes, structural, and MEP design requirements, unit plan / floor plan changes, etc.) © 2024 BSB Design, Inc.

Appendix D

ITE Trip Generation Excerpts

Multifamily Housing (Low-Rise)
Not Close to Rail Transit (220)

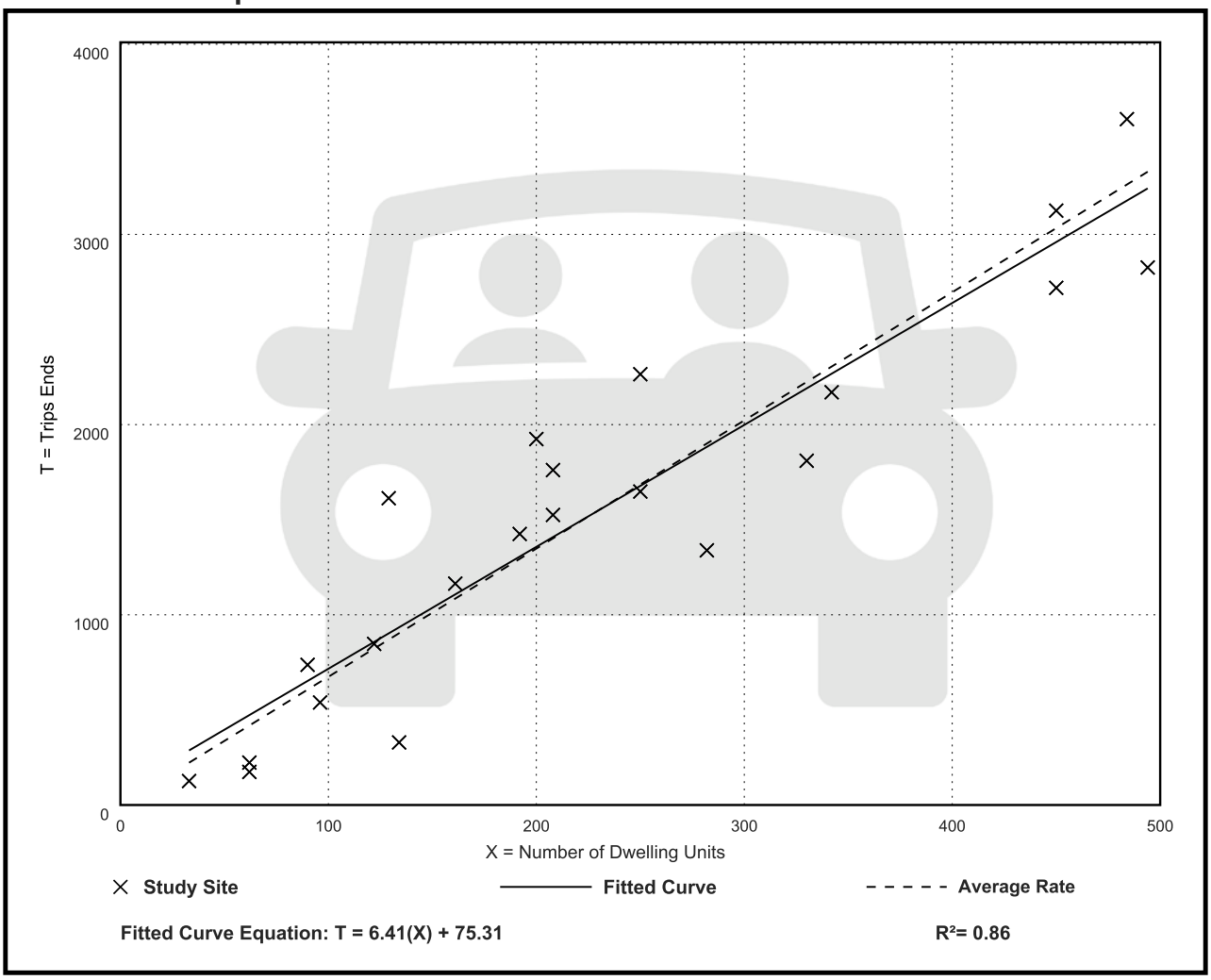
Vehicle Trip Ends vs: Dwelling Units
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 22
Avg. Num. of Dwelling Units: 229
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
6.74	2.46 - 12.50	1.79

Data Plot and Equation



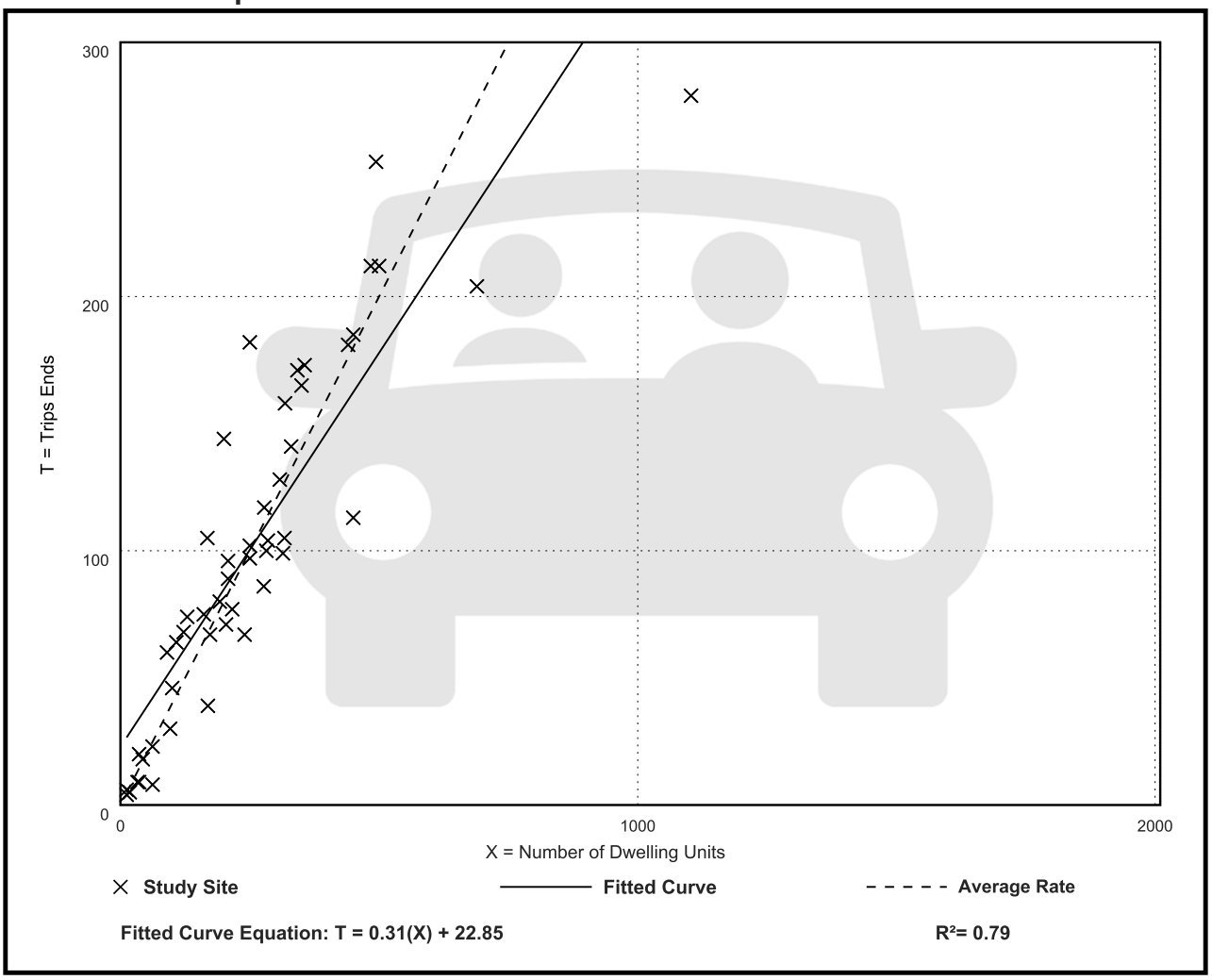
Multifamily Housing (Low-Rise)
Not Close to Rail Transit (220)

Vehicle Trip Ends vs: Dwelling Units
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: General Urban/Suburban
Number of Studies: 49
Avg. Num. of Dwelling Units: 249
Directional Distribution: 24% entering, 76% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.40	0.13 - 0.73	0.12

Data Plot and Equation



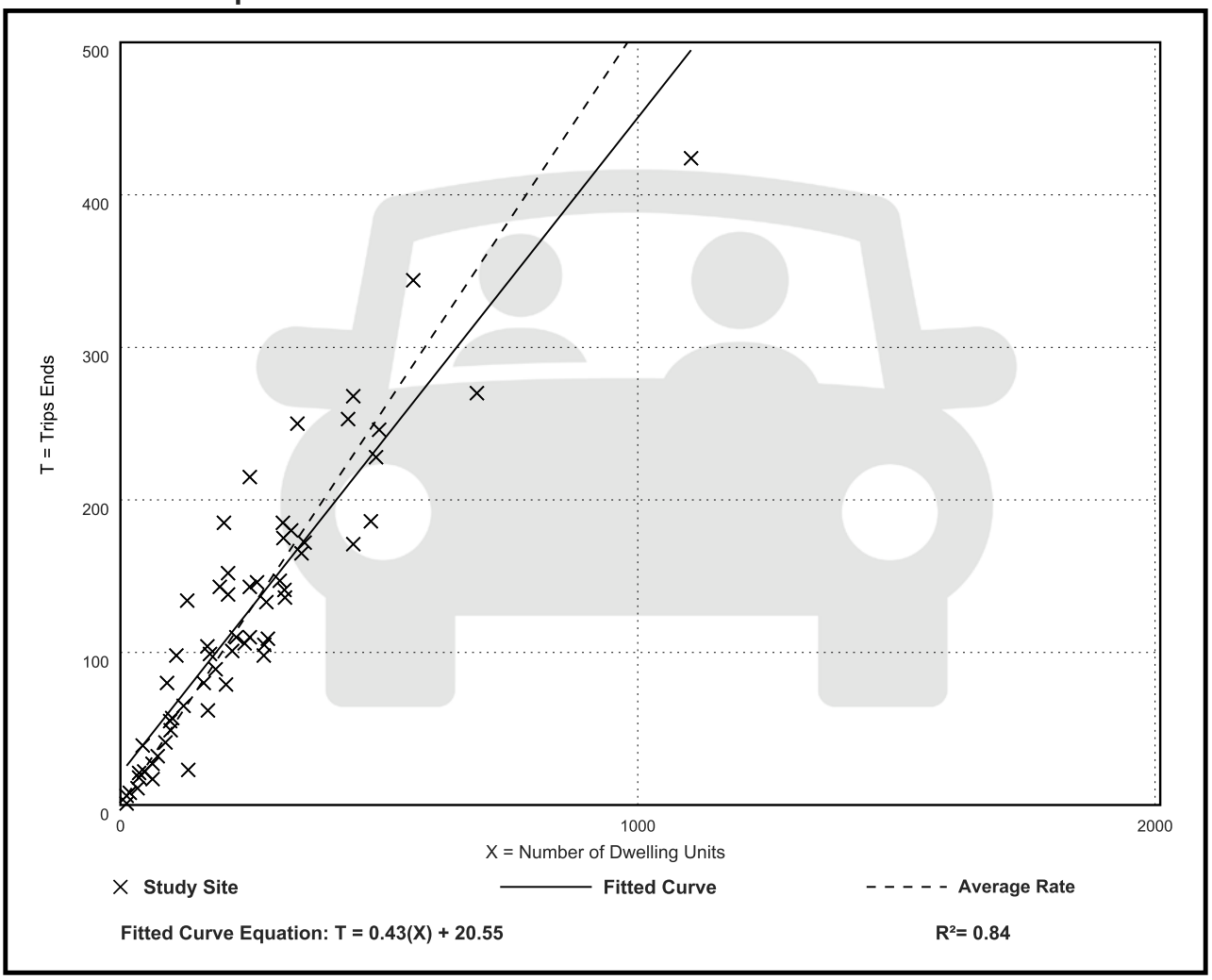
Multifamily Housing (Low-Rise)
Not Close to Rail Transit (220)

Vehicle Trip Ends vs: Dwelling Units
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: General Urban/Suburban
Number of Studies: 59
Avg. Num. of Dwelling Units: 241
Directional Distribution: 63% entering, 37% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.51	0.08 - 1.04	0.15

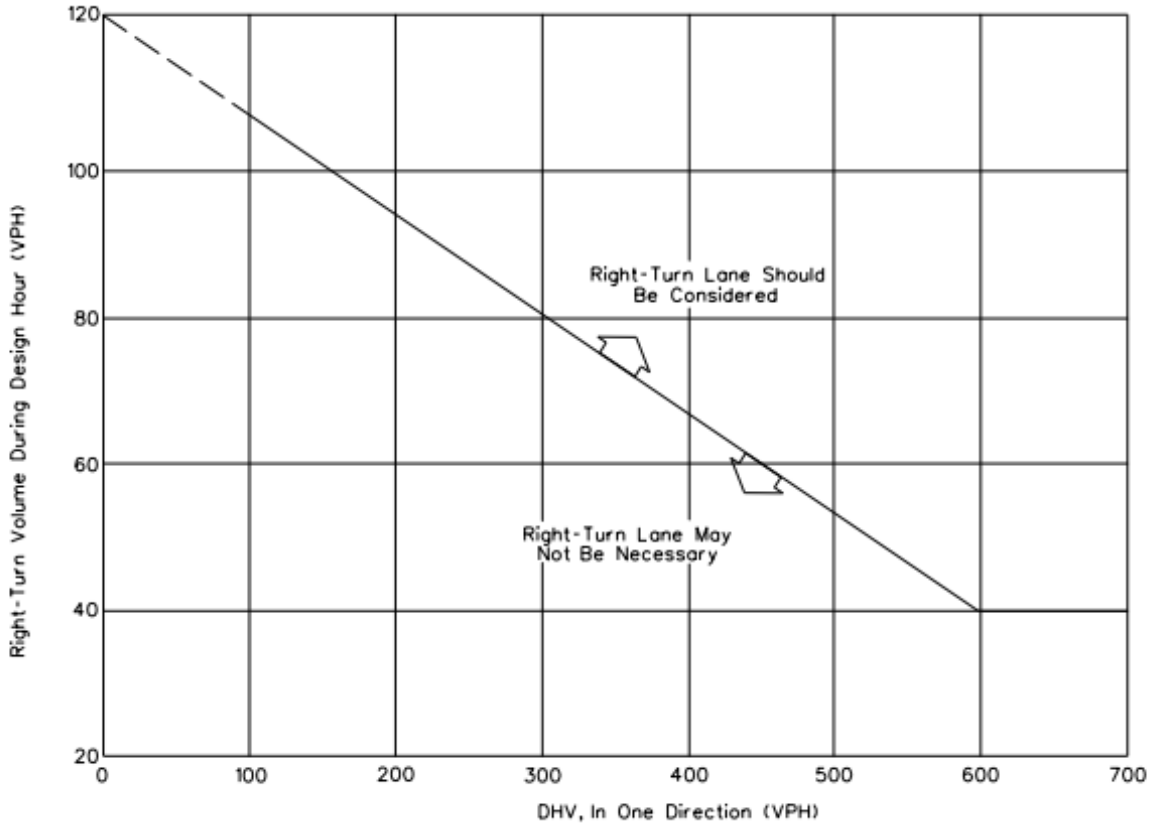
Data Plot and Equation



Appendix E

Auxiliary Lane Warrant Analysis

Country Lane at West Site Access / Heritage Lane



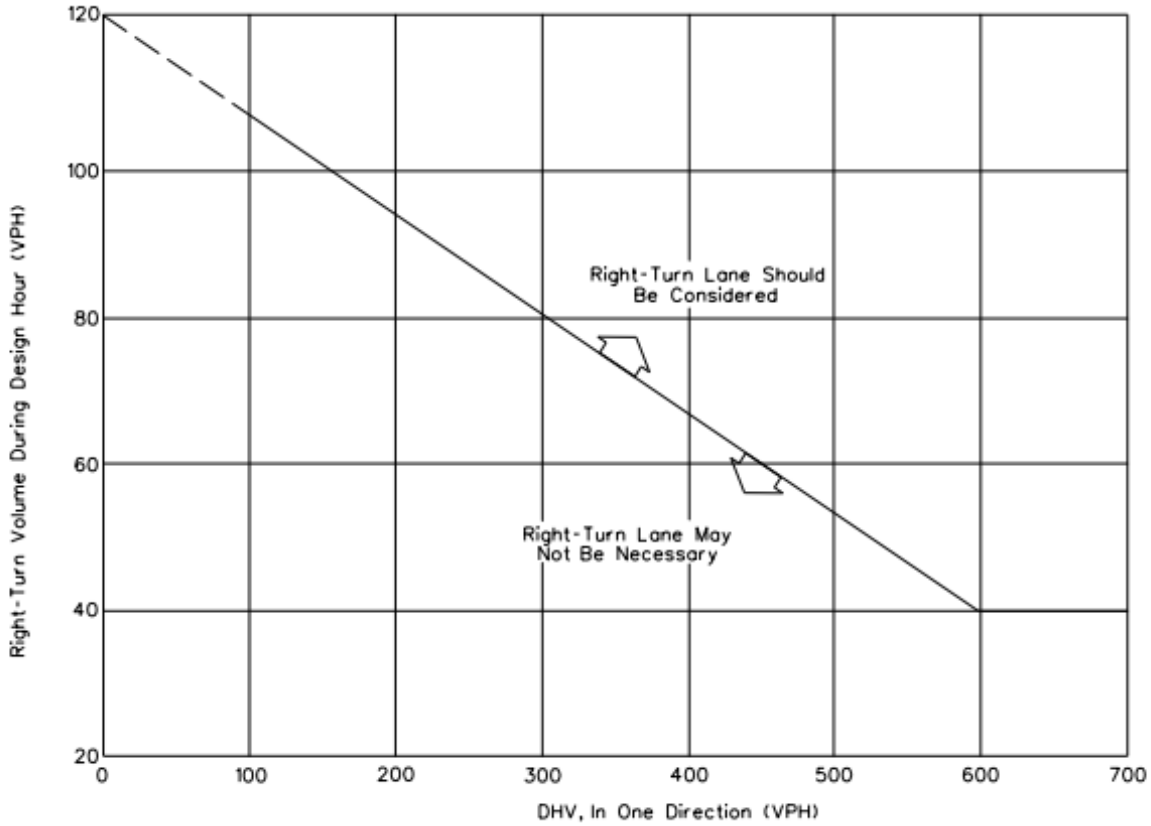
Note: For highways with a design speed below 50 mph (80 km/hr), with a DHV in one direction of less than 300, and where right turns are greater than 40, an adjustment should be used. To read the vertical axis of the chart, subtract 20 from the actual number of right turns.

GUIDELINES FOR RIGHT-TURN LANES AT UNSIGNALIZED INTERSECTIONS ON TWO-LANE HIGHWAYS

Figure 36-3.A

Alternative / Timeframe	Speed Limit	Advancing Volume	No. Right-Turns	Satisfied?
2031 Total Traffic				
Country Lane Westbound				
AM Peak	25	23	3	No
PM Peak		45	7	No
Country Lane Eastbound				
AM Peak	25	7	0	No
PM Peak		39	3	No

Country Lane at East Site Access / Heritage Court (Emergency Access)



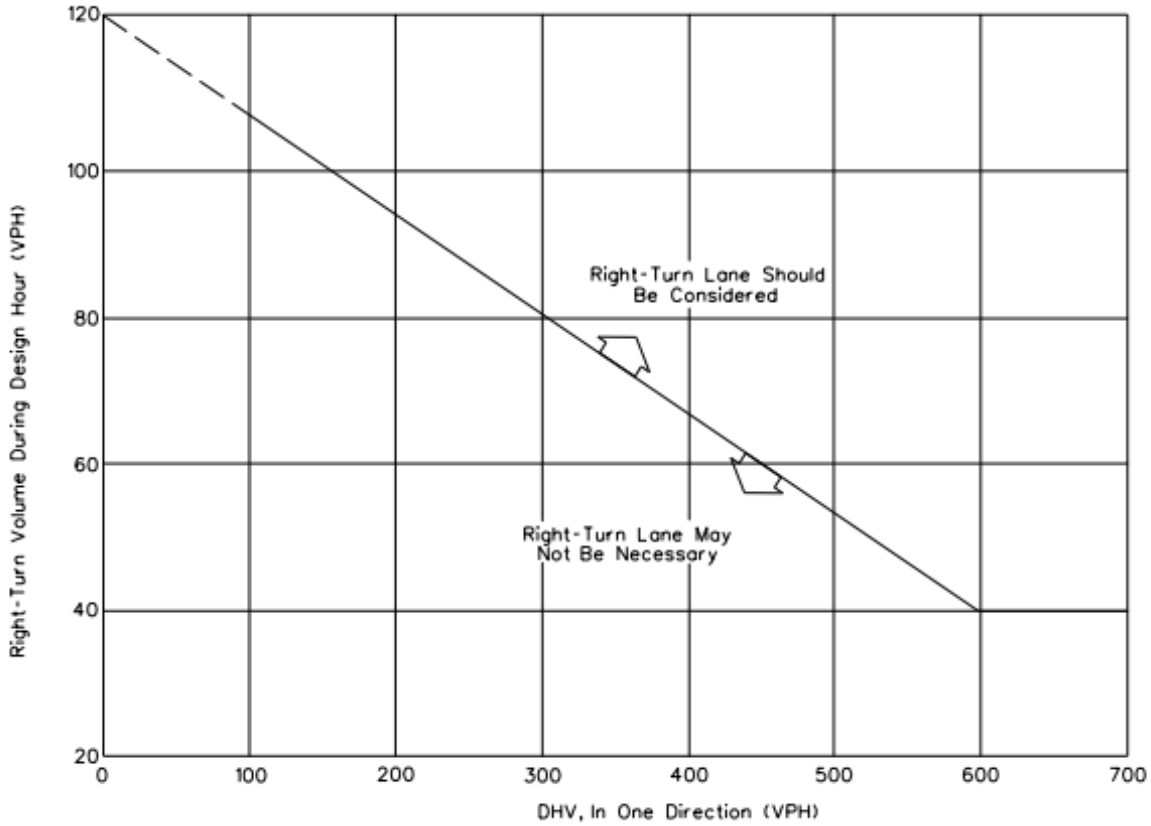
Note: For highways with a design speed below 50 mph (80 km/hr), with a DHV in one direction of less than 300, and where right turns are greater than 40, an adjustment should be used. To read the vertical axis of the chart, subtract 20 from the actual number of right turns.

GUIDELINES FOR RIGHT-TURN LANES AT UNSIGNALIZED INTERSECTIONS ON TWO-LANE HIGHWAYS

Figure 36-3.A

Alternative / Timeframe	Speed Limit	Advancing Volume	No. Right-Turns	Satisfied?
2031 Total Traffic				
Country Lane Westbound				
AM Peak	25	27	4	No
PM Peak		56	11	No
Country Lane Eastbound				
AM Peak	25	21	0	No
PM Peak		43	0	No

Old Arlington Heights Road at Country Lane / Miller Lane



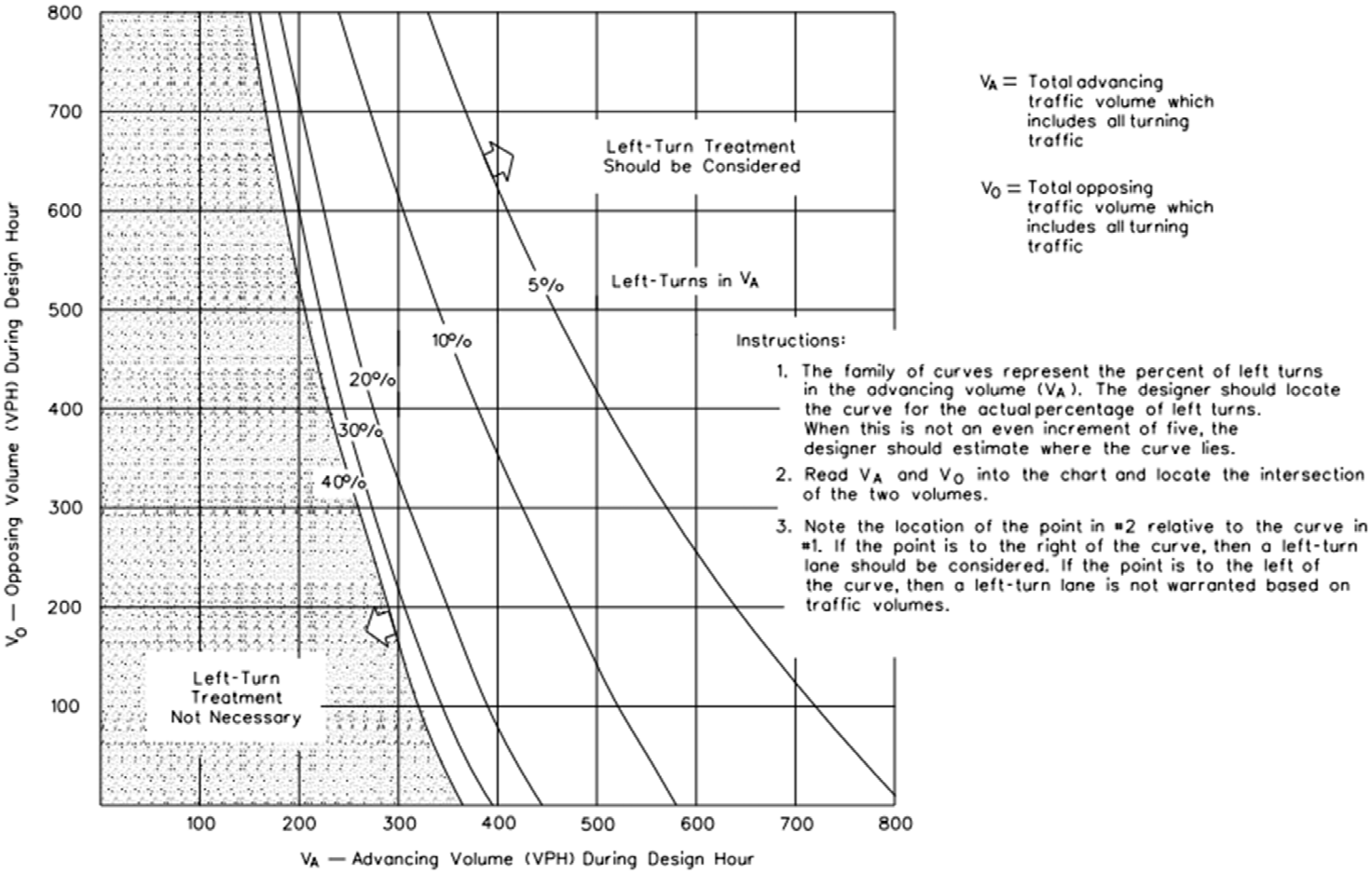
Note: For highways with a design speed below 50 mph (80 km/hr), with a DHV in one direction of less than 300, and where right turns are greater than 40, an adjustment should be used. To read the vertical axis of the chart, subtract 20 from the actual number of right turns.

GUIDELINES FOR RIGHT-TURN LANES AT UNSIGNALIZED INTERSECTIONS ON TWO-LANE HIGHWAYS

Figure 36-3.A

Alternative / Timeframe	Speed Limit	Advancing Volume	No. Right-Turns	Satisfied?
2031 Total Traffic				
Old Arlington Heights Road Southbound				
AM Peak	40	241	21	No
PM Peak		288	32	No
Old Arlington Heights Road Northbound				
AM Peak	40	202	5	No
PM Peak		258	19	No

Country Lane and West Site Access / Heritage Lane

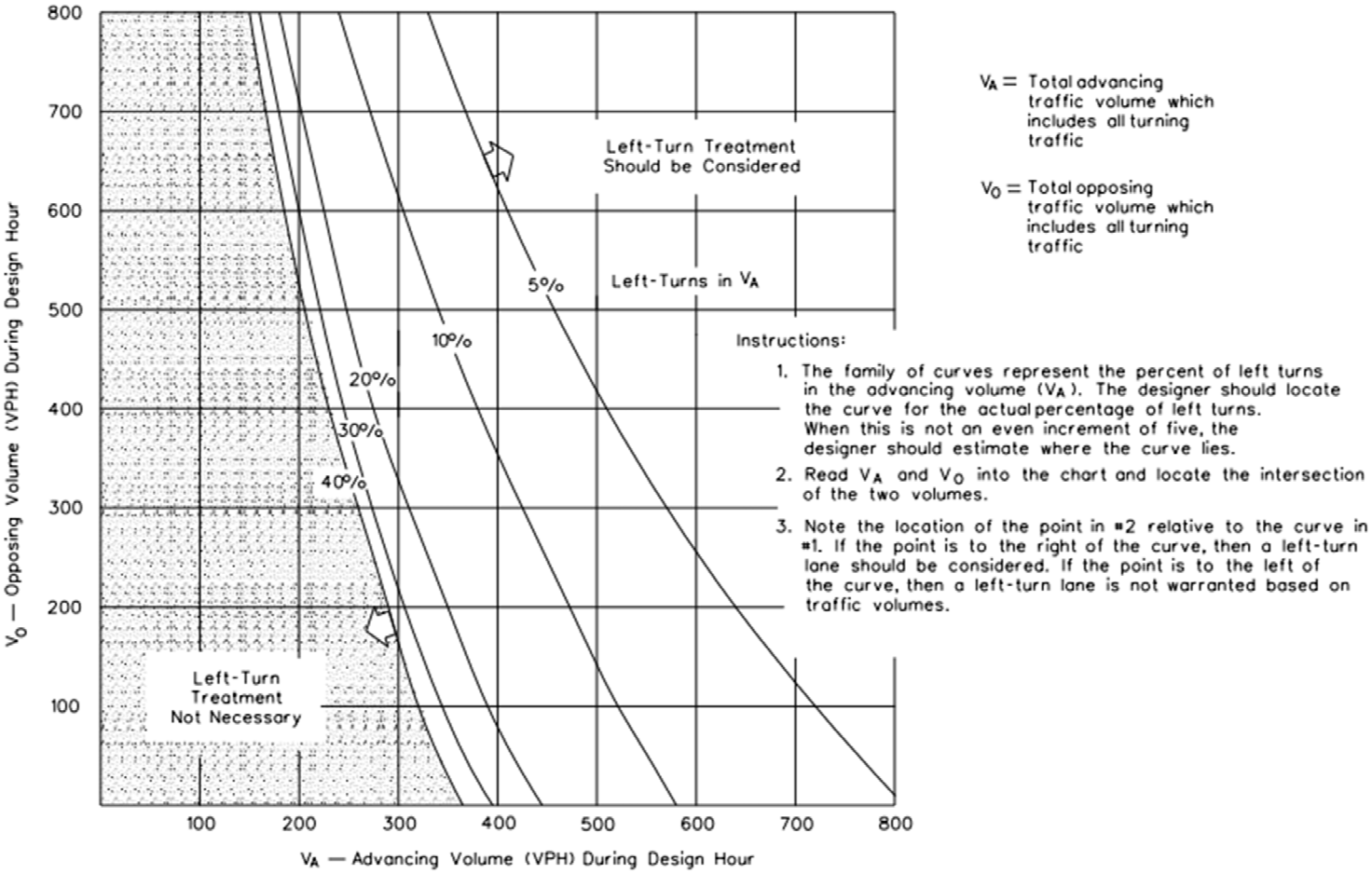


VOLUME GUIDELINES FOR LEFT-TURN LANES AT UNSIGNALIZED INTERSECTIONS ON TWO-LANE HIGHWAYS (40 mph Design Speed)

Figure 36-3.G

Alternative / Timeframe	Advancing Volume	Opposing Volume	No. Left-Turns	Satisfied?
2031 Total Traffic				
Country Lane Eastbound				
AM Peak	7	23	0 (0.0%)	No
PM Peak	39	45	1 (2.6%)	No
Country Lane Westbound				
AM Peak	23	7	8 (34.8%)	No
PM Peak	45	39	21 (46.7%)	No

Country Lane and East Site Access / Heritage Court (Emergency Access)

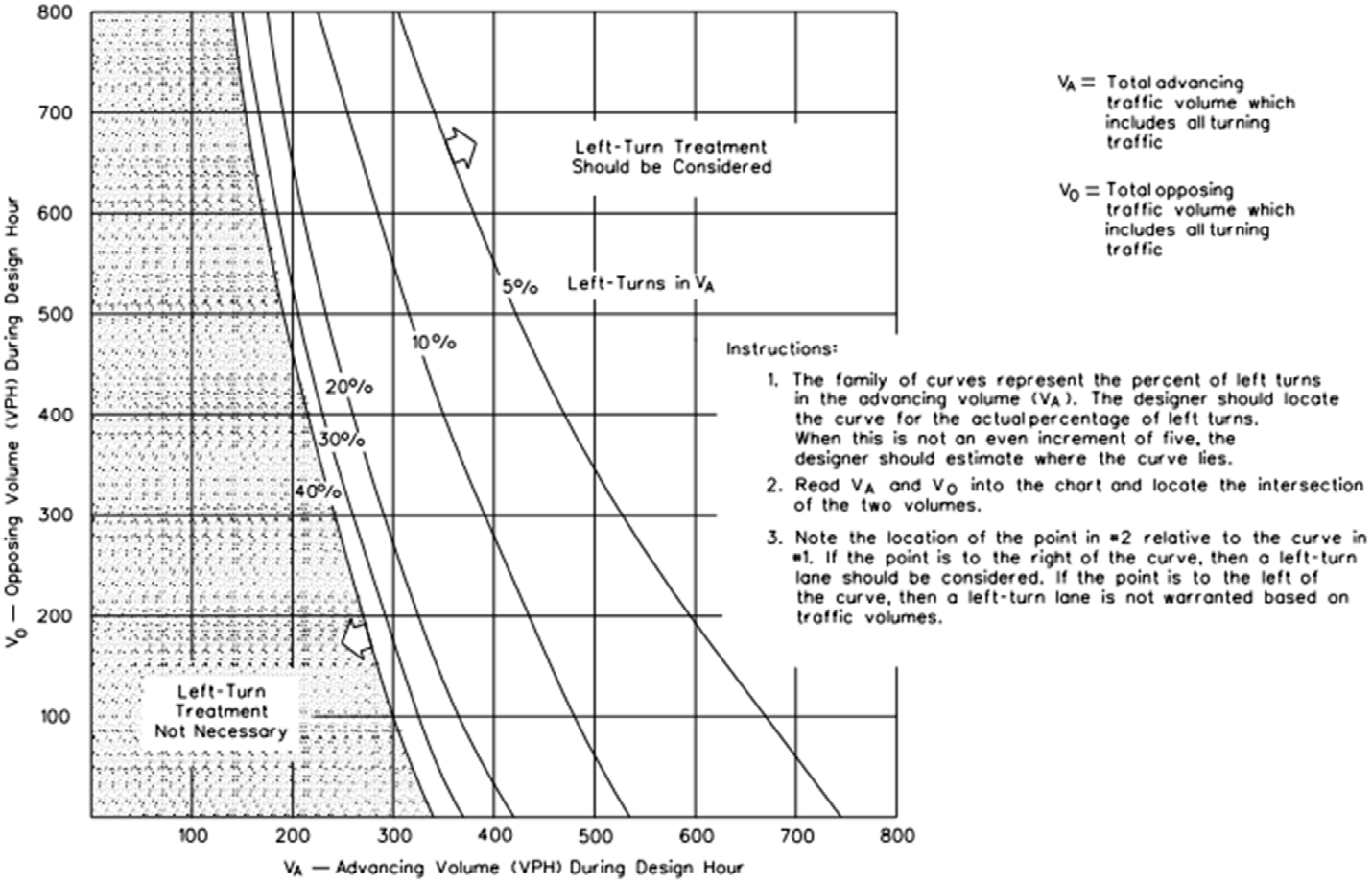


VOLUME GUIDELINES FOR LEFT-TURN LANES AT UNSIGNALIZED INTERSECTIONS ON TWO-LANE HIGHWAYS (40 mph Design Speed)

Figure 36-3.G

Alternative / Timeframe	Advancing Volume	Opposing Volume	No. Left-Turns	Satisfied?
2031 Total Traffic				
Country Lane Eastbound				
AM Peak	21	27	0 (0.0%)	No
PM Peak	43	56	0 (0.0%)	No
Country Lane Westbound				
AM Peak	27	21	0 (0.0%)	No
PM Peak	56	43	0 (0.0%)	No

Old Arlington Heights Road at Country Lane / Miller Lane



VOLUME GUIDELINES FOR LEFT-TURN LANES AT UNSIGNALIZED INTERSECTIONS ON TWO-LANE HIGHWAYS (45 mph Design Speed)

Figure 36-3.F

Alternative / Timeframe	Advancing Volume	Opposing Volume	No. Left-Turns	Satisfied?
2031 Total Traffic				
Old Arlington Heights Road Northbound				
AM Peak	241	202	7 (2.9%)	No
PM Peak	288	257	30 (10.4%)	No

Appendix F

Capacity Analysis Worksheets

Intersection	
Int Delay, s/veh	1.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	7	1	4	16	0	24	4	184	5	7	206	16
Future Vol, veh/h	7	1	4	16	0	24	4	184	5	7	206	16
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	115	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	85	85	85	85	85	85	85	85	85	85	85	85
Heavy Vehicles, %	0	0	0	0	0	4	0	2	20	0	2	0
Mvmt Flow	8	1	5	19	0	28	5	216	6	8	242	19

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	494	500	252	488	506	219	261	0	0	222	0	0
Stage 1	268	268	-	229	229	-	-	-	-	-	-	-
Stage 2	226	232	-	259	278	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.1	6.5	6.24	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.336	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	489	476	792	493	472	815	1315	-	-	1359	-	-
Stage 1	742	691	-	779	719	-	-	-	-	-	-	-
Stage 2	781	716	-	750	684	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	467	471	792	484	467	815	1315	-	-	1359	-	-
Mov Cap-2 Maneuver	467	471	-	484	467	-	-	-	-	-	-	-
Stage 1	736	686	-	776	716	-	-	-	-	-	-	-
Stage 2	752	714	-	739	680	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s/v	11.83	11.07	0.16	0.23
HCM LOS	B	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1315	-	-	541	640	54	-	-
HCM Lane V/C Ratio	0.004	-	-	0.026	0.074	0.006	-	-
HCM Control Delay (s/veh)	7.7	-	-	11.8	11.1	7.7	0	-
HCM Lane LOS	A	-	-	B	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.1	0.2	0	-	-

Intersection	
Int Delay, s/veh	3.4

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	7	0	8	12	2	5
Future Vol, veh/h	7	0	8	12	2	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	14	0	0	0	0	0
Mvmt Flow	9	0	10	15	3	6

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	9	0	45	9
Stage 1	-	-	-	-	9	-
Stage 2	-	-	-	-	36	-
Critical Hdwy	-	-	4.1	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	1624	-	971	1079
Stage 1	-	-	-	-	1019	-
Stage 2	-	-	-	-	992	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1624	-	964	1079
Mov Cap-2 Maneuver	-	-	-	-	964	-
Stage 1	-	-	-	-	1019	-
Stage 2	-	-	-	-	985	-

Approach	EB	WB	NB
HCM Control Delay, s/v	0	2.89	8.48
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	1043	-	-	720	-
HCM Lane V/C Ratio	0.009	-	-	0.006	-
HCM Control Delay (s/veh)	8.5	-	-	7.2	0
HCM Lane LOS	A	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	0	-

Intersection	
Int Delay, s/veh	0

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	12	0	0	20	0	0
Future Vol, veh/h	12	0	0	20	0	0
Conflicting Peds, #/hr	0	1	1	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	8	0	0	0	0	0
Mvmt Flow	15	0	0	26	0	0

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	16	0	42	16
Stage 1	-	-	-	-	16	-
Stage 2	-	-	-	-	26	-
Critical Hdwy	-	-	4.1	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	1614	-	974	1069
Stage 1	-	-	-	-	1012	-
Stage 2	-	-	-	-	1002	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1613	-	973	1068
Mov Cap-2 Maneuver	-	-	-	-	973	-
Stage 1	-	-	-	-	1011	-
Stage 2	-	-	-	-	1002	-

Approach	EB	WB	NB
HCM Control Delay, s/v	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	-	-	-	1613	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s/veh)	0	-	-	0	-
HCM Lane LOS	A	-	-	A	-
HCM 95th %tile Q(veh)	-	-	-	0	-

Intersection	
Int Delay, s/veh	2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↰	↑			↕	
Traffic Vol, veh/h	14	3	22	10	3	17	14	211	19	30	218	21
Future Vol, veh/h	14	3	22	10	3	17	14	211	19	30	218	21
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	2	2	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	115	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	93	93	93	93	93	93	93	93	93	93	93	93
Heavy Vehicles, %	0	33	4	0	0	0	8	0	0	0	1	0
Mvmt Flow	15	3	24	11	3	18	15	227	20	32	234	23

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	569	590	246	570	591	239	257	0	0	249	0	0
Stage 1	310	310	-	269	269	-	-	-	-	-	-	-
Stage 2	259	279	-	301	322	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.83	6.24	7.1	6.5	6.2	4.18	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.83	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.83	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.297	3.336	3.5	4	3.3	2.272	-	-	2.2	-	-
Pot Cap-1 Maneuver	436	381	788	435	422	805	1274	-	-	1328	-	-
Stage 1	704	607	-	741	690	-	-	-	-	-	-	-
Stage 2	751	627	-	713	655	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	406	365	788	401	405	803	1274	-	-	1326	-	-
Mov Cap-2 Maneuver	406	365	-	401	405	-	-	-	-	-	-	-
Stage 1	684	589	-	731	681	-	-	-	-	-	-	-
Stage 2	721	618	-	668	636	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s/v	12.05	11.81	0.45	0.87
HCM LOS	B	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1274	-	-	552	561	197	-	-
HCM Lane V/C Ratio	0.012	-	-	0.076	0.058	0.024	-	-
HCM Control Delay (s/veh)	7.9	-	-	12.1	11.8	7.8	0	-
HCM Lane LOS	A	-	-	B	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.2	0.2	0.1	-	-

Intersection	
Int Delay, s/veh	2.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	35	3	21	17	3	4
Future Vol, veh/h	35	3	21	17	3	4
Conflicting Peds, #/hr	0	5	5	0	1	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	64	64	64	64	64	64
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	55	5	33	27	5	6

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	64	0	155	62
Stage 1	-	-	-	-	62	-
Stage 2	-	-	-	-	93	-
Critical Hdwy	-	-	4.1	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	1551	-	841	1009
Stage 1	-	-	-	-	966	-
Stage 2	-	-	-	-	936	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1543	-	818	1004
Mov Cap-2 Maneuver	-	-	-	-	818	-
Stage 1	-	-	-	-	961	-
Stage 2	-	-	-	-	914	-

Approach	EB	WB	NB
HCM Control Delay, s/v	0	4.08	8.98
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	915	-	-	995	-
HCM Lane V/C Ratio	0.012	-	-	0.021	-
HCM Control Delay (s/veh)	9	-	-	7.4	0
HCM Lane LOS	A	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	0.1	-

Intersection	
Int Delay, s/veh	0

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	39	0	0	38	0	0
Future Vol, veh/h	39	0	0	38	0	0
Conflicting Peds, #/hr	0	2	2	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	62	62	62	62	62	62
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	63	0	0	61	0	0

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	65	0	126	65
Stage 1	-	-	-	-	65	-
Stage 2	-	-	-	-	61	-
Critical Hdwy	-	-	4.1	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	1550	-	873	1005
Stage 1	-	-	-	-	963	-
Stage 2	-	-	-	-	966	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1547	-	872	1003
Mov Cap-2 Maneuver	-	-	-	-	872	-
Stage 1	-	-	-	-	961	-
Stage 2	-	-	-	-	966	-

Approach	EB	WB	NB
HCM Control Delay, s/v	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	-	-	-	1547	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s/veh)	0	-	-	0	-
HCM Lane LOS	A	-	-	A	-
HCM 95th %tile Q(veh)	-	-	-	0	-

Intersection	
Int Delay, s/veh	1.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	7	1	4	16	0	24	4	191	5	7	213	16
Future Vol, veh/h	7	1	4	16	0	24	4	191	5	7	213	16
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	115	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	85	85	85	85	85	85	85	85	85	85	85	85
Heavy Vehicles, %	0	0	0	0	0	4	0	2	20	0	2	0
Mvmt Flow	8	1	5	19	0	28	5	225	6	8	251	19

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	511	516	260	505	523	228	269	0	0	231	0	0
Stage 1	276	276	-	237	237	-	-	-	-	-	-	-
Stage 2	234	240	-	268	286	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.1	6.5	6.24	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.336	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	477	466	784	481	462	807	1306	-	-	1349	-	-
Stage 1	734	685	-	771	713	-	-	-	-	-	-	-
Stage 2	773	711	-	742	679	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	455	460	784	472	457	807	1306	-	-	1349	-	-
Mov Cap-2 Maneuver	455	460	-	472	457	-	-	-	-	-	-	-
Stage 1	729	680	-	768	710	-	-	-	-	-	-	-
Stage 2	744	708	-	731	674	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s/v	11.98	11.19	0.16	0.23
HCM LOS	B	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1306	-	-	530	628	53	-	-
HCM Lane V/C Ratio	0.004	-	-	0.027	0.075	0.006	-	-
HCM Control Delay (s/veh)	7.8	-	-	12	11.2	7.7	0	-
HCM Lane LOS	A	-	-	B	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.1	0.2	0	-	-

Intersection	
Int Delay, s/veh	3.4

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	7	0	8	12	2	5
Future Vol, veh/h	7	0	8	12	2	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	14	0	0	0	0	0
Mvmt Flow	9	0	10	15	3	6

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	9	0	45	9
Stage 1	-	-	-	-	9	-
Stage 2	-	-	-	-	36	-
Critical Hdwy	-	-	4.1	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	1624	-	971	1079
Stage 1	-	-	-	-	1019	-
Stage 2	-	-	-	-	992	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1624	-	964	1079
Mov Cap-2 Maneuver	-	-	-	-	964	-
Stage 1	-	-	-	-	1019	-
Stage 2	-	-	-	-	985	-

Approach	EB	WB	NB
HCM Control Delay, s/v	0	2.89	8.48
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	1043	-	-	720	-
HCM Lane V/C Ratio	0.009	-	-	0.006	-
HCM Control Delay (s/veh)	8.5	-	-	7.2	0
HCM Lane LOS	A	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	0	-

Intersection	
Int Delay, s/veh	0

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	12	0	0	20	0	0
Future Vol, veh/h	12	0	0	20	0	0
Conflicting Peds, #/hr	0	1	1	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	8	0	0	0	0	0
Mvmt Flow	15	0	0	26	0	0

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	16	0	42	16
Stage 1	-	-	-	-	16	-
Stage 2	-	-	-	-	26	-
Critical Hdwy	-	-	4.1	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	1614	-	974	1069
Stage 1	-	-	-	-	1012	-
Stage 2	-	-	-	-	1002	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1613	-	973	1068
Mov Cap-2 Maneuver	-	-	-	-	973	-
Stage 1	-	-	-	-	1011	-
Stage 2	-	-	-	-	1002	-

Approach	EB	WB	NB
HCM Control Delay, s/v	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	-	-	-	1613	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s/veh)	0	-	-	0	-
HCM Lane LOS	A	-	-	A	-
HCM 95th %tile Q(veh)	-	-	-	0	-

Intersection	
Int Delay, s/veh	2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	14	3	22	10	3	17	14	218	19	30	226	21
Future Vol, veh/h	14	3	22	10	3	17	14	218	19	30	226	21
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	2	2	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	115	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	93	93	93	93	93	93	93	93	93	93	93	93
Heavy Vehicles, %	0	33	4	0	0	0	8	0	0	0	1	0
Mvmt Flow	15	3	24	11	3	18	15	234	20	32	243	23

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	585	606	254	586	607	247	266	0	0	257	0	0
Stage 1	319	319	-	277	277	-	-	-	-	-	-	-
Stage 2	266	287	-	309	330	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.83	6.24	7.1	6.5	6.2	4.18	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.83	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.83	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.297	3.336	3.5	4	3.3	2.272	-	-	2.2	-	-
Pot Cap-1 Maneuver	425	373	779	425	414	797	1264	-	-	1320	-	-
Stage 1	697	601	-	734	685	-	-	-	-	-	-	-
Stage 2	744	622	-	705	649	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	396	357	779	391	396	796	1264	-	-	1317	-	-
Mov Cap-2 Maneuver	396	357	-	391	396	-	-	-	-	-	-	-
Stage 1	677	584	-	724	676	-	-	-	-	-	-	-
Stage 2	714	613	-	661	631	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s/v	12.2	11.95	0.44	0.84
HCM LOS	B	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1264	-	-	542	550	192	-	-
HCM Lane V/C Ratio	0.012	-	-	0.077	0.059	0.024	-	-
HCM Control Delay (s/veh)	7.9	-	-	12.2	11.9	7.8	0	-
HCM Lane LOS	A	-	-	B	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.3	0.2	0.1	-	-

Intersection	
Int Delay, s/veh	2.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	35	3	21	17	3	4
Future Vol, veh/h	35	3	21	17	3	4
Conflicting Peds, #/hr	0	5	5	0	1	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	64	64	64	64	64	64
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	55	5	33	27	5	6

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	64	0	155	62
Stage 1	-	-	-	-	62	-
Stage 2	-	-	-	-	93	-
Critical Hdwy	-	-	4.1	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	1551	-	841	1009
Stage 1	-	-	-	-	966	-
Stage 2	-	-	-	-	936	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1543	-	818	1004
Mov Cap-2 Maneuver	-	-	-	-	818	-
Stage 1	-	-	-	-	961	-
Stage 2	-	-	-	-	914	-

Approach	EB	WB	NB
HCM Control Delay, s/v	0	4.08	8.98
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	915	-	-	995	-
HCM Lane V/C Ratio	0.012	-	-	0.021	-
HCM Control Delay (s/veh)	9	-	-	7.4	0
HCM Lane LOS	A	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	0.1	-

Intersection	
Int Delay, s/veh	0

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	39	0	0	38	0	0
Future Vol, veh/h	39	0	0	38	0	0
Conflicting Peds, #/hr	0	2	2	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	62	62	62	62	62	62
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	63	0	0	61	0	0

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	65	0	126	65
Stage 1	-	-	-	-	65	-
Stage 2	-	-	-	-	61	-
Critical Hdwy	-	-	4.1	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	1550	-	873	1005
Stage 1	-	-	-	-	963	-
Stage 2	-	-	-	-	966	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1547	-	872	1003
Mov Cap-2 Maneuver	-	-	-	-	872	-
Stage 1	-	-	-	-	961	-
Stage 2	-	-	-	-	966	-

Approach	EB	WB	NB
HCM Control Delay, s/v	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	-	-	-	1547	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s/veh)	0	-	-	0	-
HCM Lane LOS	A	-	-	A	-
HCM 95th %tile Q(veh)	-	-	-	0	-

Intersection	
Int Delay, s/veh	1.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	16	2	16	16	0	24	6	191	5	7	213	21
Future Vol, veh/h	16	2	16	16	0	24	6	191	5	7	213	21
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	115	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	85	85	85	85	85	85	85	85	85	85	85	85
Heavy Vehicles, %	0	0	0	0	0	4	0	2	20	0	2	0
Mvmt Flow	19	2	19	19	0	28	7	225	6	8	251	25

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	518	524	263	510	534	228	275	0	0	231	0	0
Stage 1	279	279	-	242	242	-	-	-	-	-	-	-
Stage 2	239	245	-	268	292	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.1	6.5	6.24	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.336	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	471	461	781	477	455	807	1299	-	-	1349	-	-
Stage 1	732	683	-	766	709	-	-	-	-	-	-	-
Stage 2	769	707	-	742	675	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	449	455	781	457	450	807	1299	-	-	1349	-	-
Mov Cap-2 Maneuver	449	455	-	457	450	-	-	-	-	-	-	-
Stage 1	726	678	-	762	705	-	-	-	-	-	-	-
Stage 2	738	703	-	716	670	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s/v	11.9	11.31	0.23	0.22
HCM LOS	B	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1299	-	-	562	618	51	-	-
HCM Lane V/C Ratio	0.005	-	-	0.071	0.076	0.006	-	-
HCM Control Delay (s/veh)	7.8	-	-	11.9	11.3	7.7	0	-
HCM Lane LOS	A	-	-	B	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.2	0.2	0	-	-

Intersection	
Int Delay, s/veh	4.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	7	0	8	12	3	2	0	5	9	0	1
Future Vol, veh/h	0	7	0	8	12	3	2	0	5	9	0	1
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	78	78	78	78	78	78	78	78	78	78	78	78
Heavy Vehicles, %	2	14	0	0	0	2	0	2	0	2	2	2
Mvmt Flow	0	9	0	10	15	4	3	0	6	12	0	1

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	19	0	0	9	0	0	45	49	9	47	47	17
Stage 1	-	-	-	-	-	-	9	9	-	38	38	-
Stage 2	-	-	-	-	-	-	36	40	-	9	9	-
Critical Hdwy	4.12	-	-	4.1	-	-	7.1	6.52	6.2	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.2	-	-	3.5	4.018	3.3	3.518	4.018	3.318
Pot Cap-1 Maneuver	1597	-	-	1624	-	-	962	843	1079	954	845	1061
Stage 1	-	-	-	-	-	-	1017	888	-	977	863	-
Stage 2	-	-	-	-	-	-	985	862	-	1012	888	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1597	-	-	1624	-	-	955	837	1079	943	839	1061
Mov Cap-2 Maneuver	-	-	-	-	-	-	955	837	-	943	839	-
Stage 1	-	-	-	-	-	-	1017	888	-	971	858	-
Stage 2	-	-	-	-	-	-	977	856	-	1006	888	-

Approach	EB	WB	NB	SB
HCM Control Delay, s/v	0	2.51	8.49	8.83
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	1040	1597	-	-	602	-	-	953
HCM Lane V/C Ratio	0.009	-	-	-	0.006	-	-	0.013
HCM Control Delay (s/veh)	8.5	0	-	-	7.2	0	-	8.8
HCM Lane LOS	A	A	-	-	A	A	-	A
HCM 95th %tile Q(veh)	0	0	-	-	0	-	-	0

Intersection	
Int Delay, s/veh	1.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	21	0	0	23	4	0	0	0	13	0	0
Future Vol, veh/h	0	21	0	0	23	4	0	0	0	13	0	0
Conflicting Peds, #/hr	0	0	1	1	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	78	78	78	78	78	78	78	78	78	78	78	78
Heavy Vehicles, %	2	8	0	0	0	2	0	0	0	2	0	2
Mvmt Flow	0	27	0	0	29	5	0	0	0	17	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	35	0	0	28	0	0	57	63	28	59	60	32
Stage 1	-	-	-	-	-	-	28	28	-	32	32	-
Stage 2	-	-	-	-	-	-	29	35	-	27	28	-
Critical Hdwy	4.12	-	-	4.1	-	-	7.1	6.5	6.2	7.12	6.5	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.12	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.12	5.5	-
Follow-up Hdwy	2.218	-	-	2.2	-	-	3.5	4	3.3	3.518	4	3.318
Pot Cap-1 Maneuver	1577	-	-	1599	-	-	944	832	1053	937	835	1042
Stage 1	-	-	-	-	-	-	994	876	-	984	872	-
Stage 2	-	-	-	-	-	-	993	870	-	990	876	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1577	-	-	1597	-	-	943	831	1052	937	834	1042
Mov Cap-2 Maneuver	-	-	-	-	-	-	943	831	-	937	834	-
Stage 1	-	-	-	-	-	-	993	875	-	984	872	-
Stage 2	-	-	-	-	-	-	993	870	-	990	875	-

Approach	EB	WB	NB	SB
HCM Control Delay, s/v	0	0	0	8.91
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1577	-	-	1597	-	-	937
HCM Lane V/C Ratio	-	-	-	-	-	-	-	0.018
HCM Control Delay (s/veh)	0	0	-	-	0	-	-	8.9
HCM Lane LOS	A	A	-	-	A	-	-	A
HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	0.1

Intersection	
Int Delay, s/veh	2.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	18	4	28	10	4	17	20	218	19	30	226	32
Future Vol, veh/h	18	4	28	10	4	17	20	218	19	30	226	32
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	2	2	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	115	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	93	93	93	93	93	93	93	93	93	93	93	93
Heavy Vehicles, %	0	33	4	0	0	0	8	0	0	0	1	0
Mvmt Flow	19	4	30	11	4	18	22	234	20	32	243	34

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	604	625	260	599	632	247	277	0	0	257	0	0
Stage 1	325	325	-	290	290	-	-	-	-	-	-	-
Stage 2	280	300	-	310	342	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.83	6.24	7.1	6.5	6.2	4.18	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.83	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.83	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.297	3.336	3.5	4	3.3	2.272	-	-	2.2	-	-
Pot Cap-1 Maneuver	413	363	774	416	400	797	1252	-	-	1320	-	-
Stage 1	692	597	-	722	676	-	-	-	-	-	-	-
Stage 2	731	613	-	705	642	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	381	346	774	376	381	796	1252	-	-	1317	-	-
Mov Cap-2 Maneuver	381	346	-	376	381	-	-	-	-	-	-	-
Stage 1	672	580	-	709	663	-	-	-	-	-	-	-
Stage 2	698	602	-	653	623	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s/v	12.62	12.24	0.62	0.81
HCM LOS	B	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1252	-	-	526	531	183	-	-
HCM Lane V/C Ratio	0.017	-	-	0.102	0.063	0.024	-	-
HCM Control Delay (s/veh)	7.9	-	-	12.6	12.2	7.8	0	-
HCM Lane LOS	A	-	-	B	B	A	A	-
HCM 95th %tile Q(veh)	0.1	-	-	0.3	0.2	0.1	-	-

Intersection	
Int Delay, s/veh	2.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	1	35	3	21	17	7	3	0	4	4	0	1
Future Vol, veh/h	1	35	3	21	17	7	3	0	4	4	0	1
Conflicting Peds, #/hr	0	0	5	5	0	0	1	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	64	64	64	64	92	64	92	64	92	92	92
Heavy Vehicles, %	2	0	0	0	0	2	0	2	0	2	2	2
Mvmt Flow	1	55	5	33	27	8	5	0	6	4	0	1

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	34	0	0	64	0	0	157	164	62	153	163	31
Stage 1	-	-	-	-	-	-	64	64	-	96	96	-
Stage 2	-	-	-	-	-	-	93	100	-	57	67	-
Critical Hdwy	4.12	-	-	4.1	-	-	7.1	6.52	6.2	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.2	-	-	3.5	4.018	3.3	3.518	4.018	3.318
Pot Cap-1 Maneuver	1577	-	-	1551	-	-	813	729	1009	814	730	1043
Stage 1	-	-	-	-	-	-	952	841	-	911	816	-
Stage 2	-	-	-	-	-	-	919	812	-	955	839	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1577	-	-	1543	-	-	790	709	1004	791	710	1042
Mov Cap-2 Maneuver	-	-	-	-	-	-	790	709	-	791	710	-
Stage 1	-	-	-	-	-	-	946	837	-	891	798	-
Stage 2	-	-	-	-	-	-	897	795	-	948	835	-

Approach	EB	WB	NB	SB
HCM Control Delay, s/v	0.13	3.62	9.05	9.36
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	899	32	-	-	844	-	-	831
HCM Lane V/C Ratio	0.012	0.001	-	-	0.021	-	-	0.007
HCM Control Delay (s/veh)	9.1	7.3	0	-	7.4	0	-	9.4
HCM Lane LOS	A	A	A	-	A	A	-	A
HCM 95th %tile Q(veh)	0	0	-	-	0.1	-	-	0

Intersection	
Int Delay, s/veh	0.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	43	0	0	45	11	0	0	0	7	0	0
Future Vol, veh/h	0	43	0	0	45	11	0	0	0	7	0	0
Conflicting Peds, #/hr	0	0	2	2	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	62	62	62	62	62	62	62	62	62	62	62	62
Heavy Vehicles, %	2	0	0	0	0	2	0	2	0	2	2	2
Mvmt Flow	0	69	0	0	73	18	0	0	0	11	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	90	0	0	71	0	0	144	162	71	151	153	81
Stage 1	-	-	-	-	-	-	71	71	-	81	81	-
Stage 2	-	-	-	-	-	-	73	90	-	69	71	-
Critical Hdwy	4.12	-	-	4.1	-	-	7.1	6.52	6.2	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.2	-	-	3.5	4.018	3.3	3.518	4.018	3.318
Pot Cap-1 Maneuver	1505	-	-	1542	-	-	830	731	997	817	739	978
Stage 1	-	-	-	-	-	-	943	836	-	927	827	-
Stage 2	-	-	-	-	-	-	942	820	-	941	836	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1505	-	-	1539	-	-	828	729	995	817	738	978
Mov Cap-2 Maneuver	-	-	-	-	-	-	828	729	-	817	738	-
Stage 1	-	-	-	-	-	-	942	834	-	927	827	-
Stage 2	-	-	-	-	-	-	942	820	-	941	834	-

Approach	EB	WB	NB	SB
HCM Control Delay, s/v	0	0	0	9.47
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1505	-	-	1539	-	-	817
HCM Lane V/C Ratio	-	-	-	-	-	-	-	0.014
HCM Control Delay (s/veh)	0	0	-	-	0	-	-	9.5
HCM Lane LOS	A	A	-	-	A	-	-	A
HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	0

Appendix G

ITE Parking Generation Excerpts

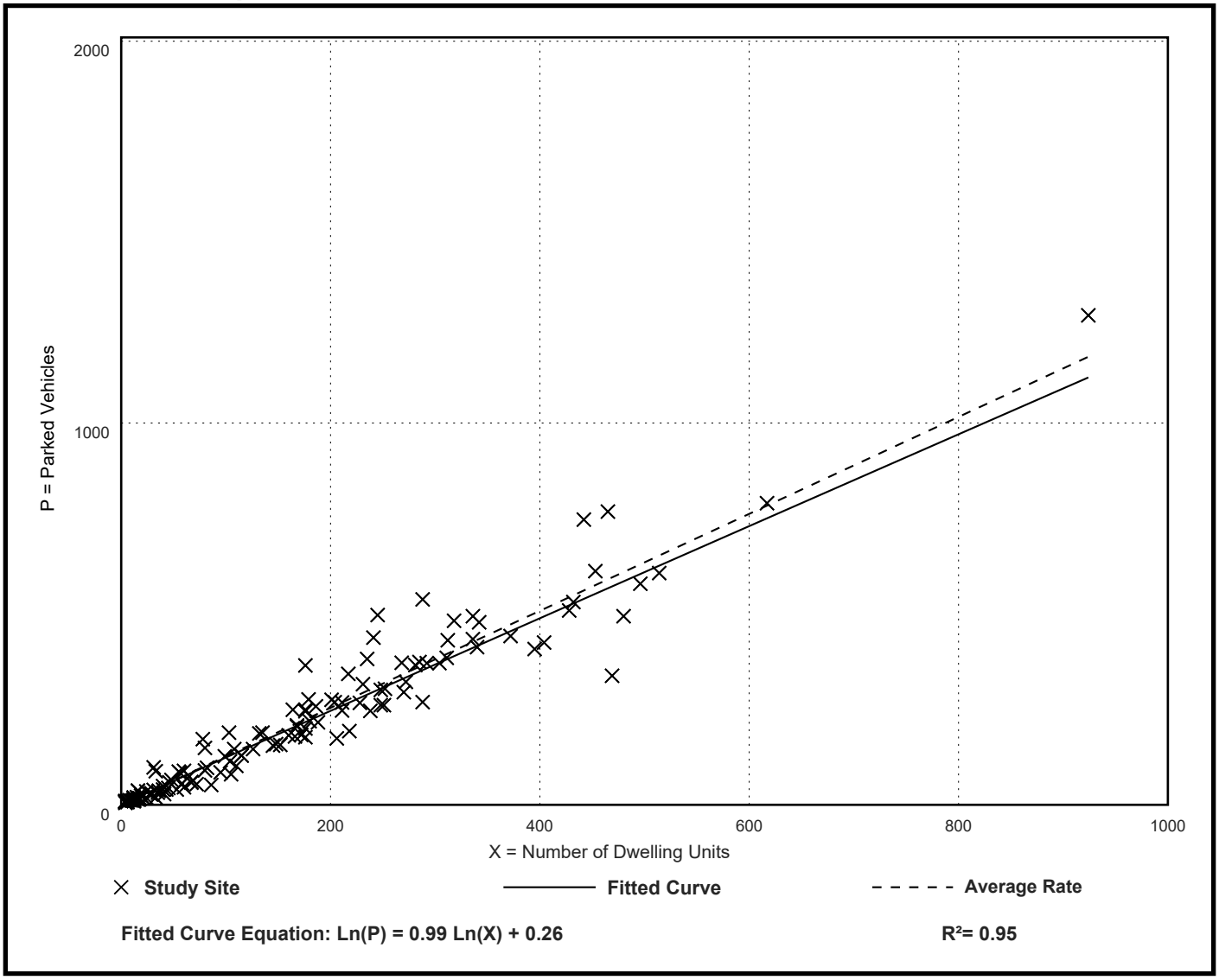
Multifamily Housing - 2+ BR (Low-Rise) Not Close to Rail Transit (220)

Peak Period Parking Demand vs: Dwelling Units
On a: Weekday (Monday - Friday)
Setting/Location: General Urban/Suburban
Number of Studies: 143
Avg. Num. of Dwelling Units: 154

Peak Period Parking Demand per Dwelling Unit

Average Rate	Range of Rates	33rd / 85th Percentile	95% Confidence Interval	Standard Deviation (Coeff. of Variation)
1.27	0.58 - 3.16	1.07 / 1.59	1.22 - 1.32	0.29 (23%)

Data Plot and Equation



Fitted Curve Equation: Ln(P) = 0.99 Ln(X) + 0.26

R^2= 0.95

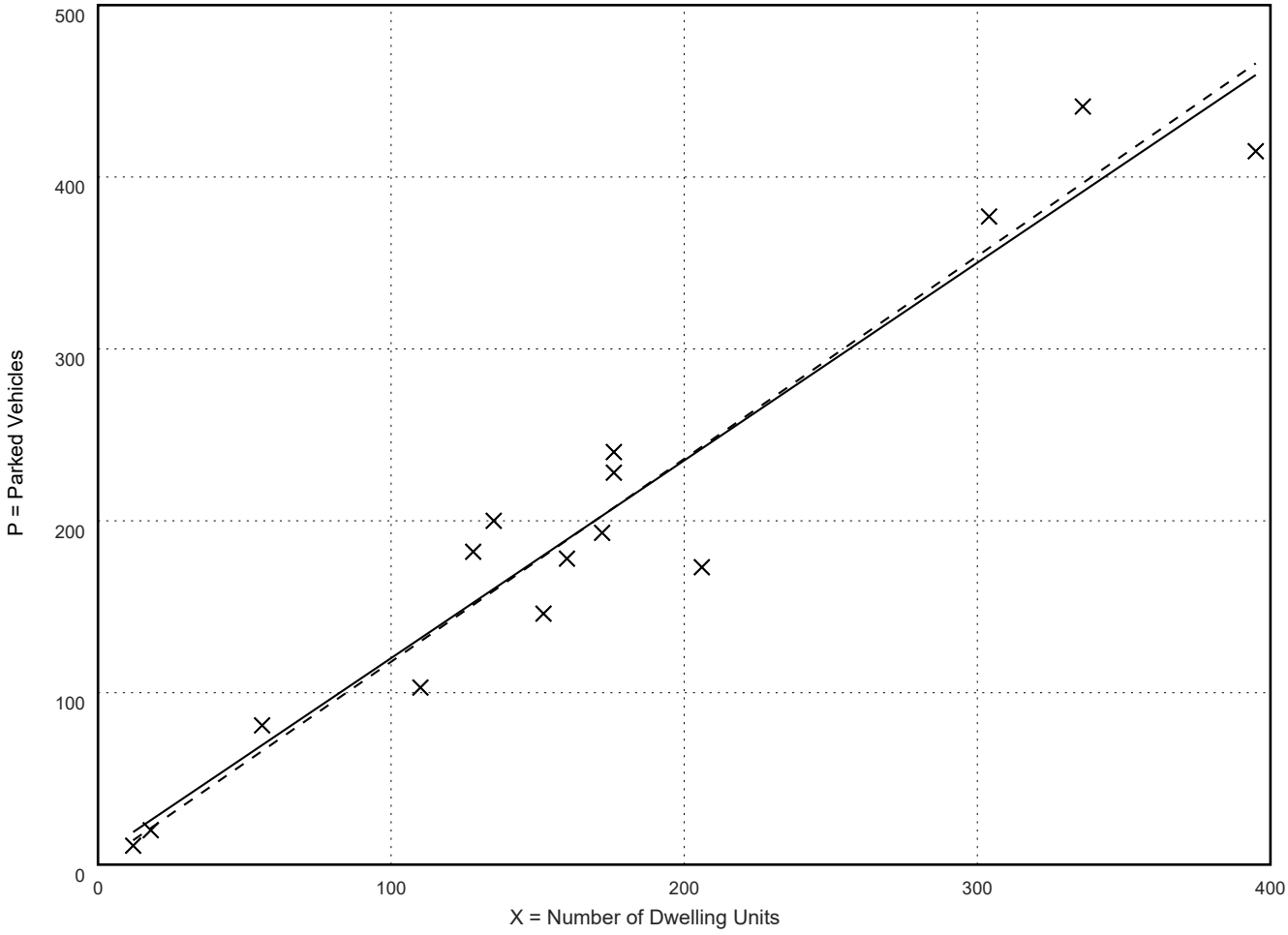
Multifamily Housing - 2+ BR (Low-Rise) Not Close to Rail Transit (220)

Peak Period Parking Demand vs: **Dwelling Units**
On a: **Saturday**
Setting/Location: **General Urban/Suburban**
Number of Studies: 15
Avg. Num. of Dwelling Units: 169

Peak Period Parking Demand per Dwelling Unit

Average Rate	Range of Rates	33rd / 85th Percentile	95% Confidence Interval	Standard Deviation (Coeff. of Variation)
1.18	0.84 - 1.48	1.07 / 1.44	***	0.19 (16%)

Data Plot and Equation



Fitted Curve Equation: P = 1.15(X) + 5.12

R^2= 0.93

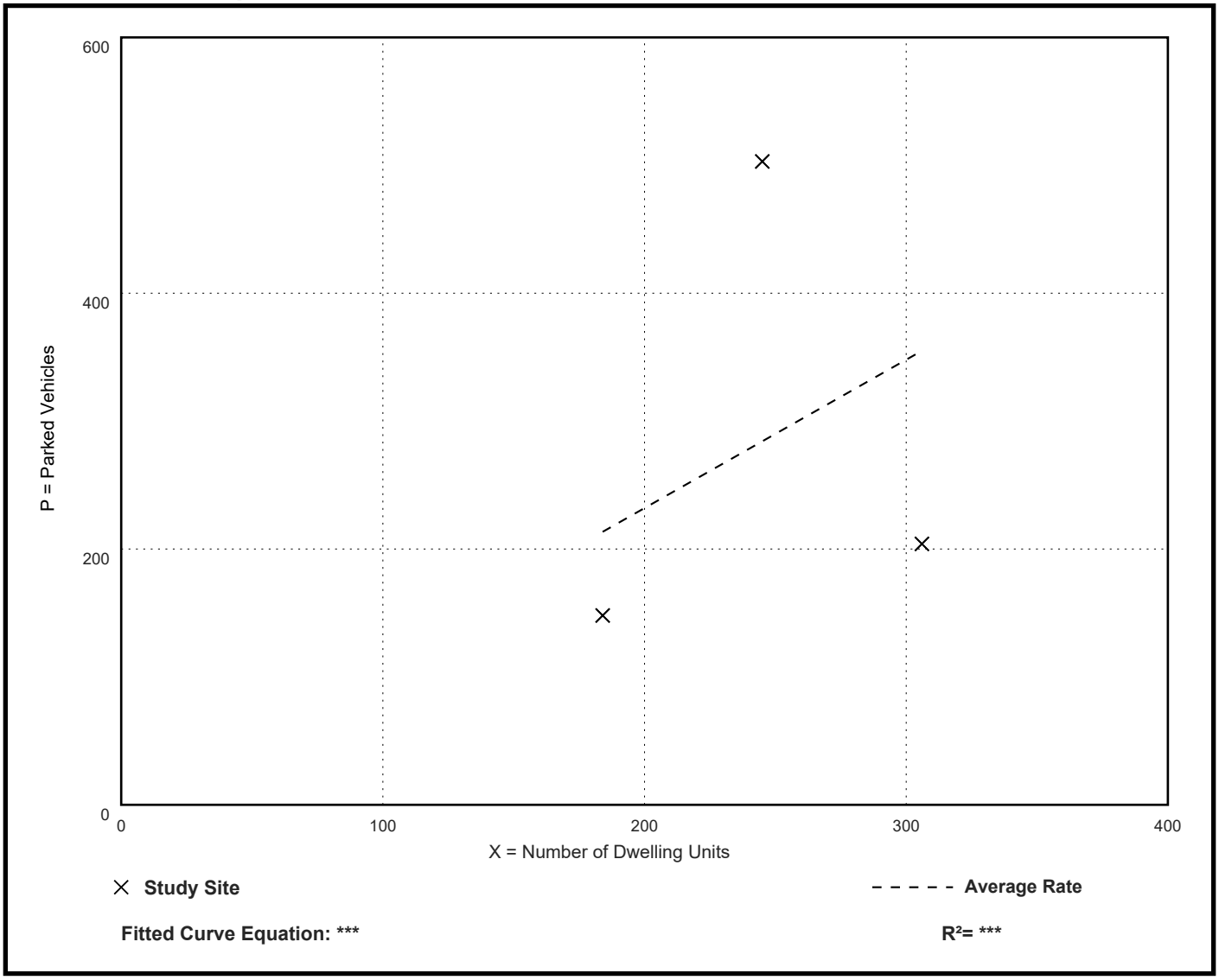
Multifamily Housing - 2+ BR (Low-Rise) Not Close to Rail Transit (220)

Peak Period Parking Demand vs: Dwelling Units
On a: Sunday
Setting/Location: General Urban/Suburban
Number of Studies: 3
Avg. Num. of Dwelling Units: 245

Peak Period Parking Demand per Dwelling Unit

Average Rate	Range of Rates	33rd / 85th Percentile	95% Confidence Interval	Standard Deviation (Coeff. of Variation)
1.16	0.67 - 2.05	0.71 / 2.05	***	0.77 (66%)

Data Plot and Equation



Fitted Curve Equation: *

R^2= *

Appendix H

ULI Shared Parking Excerpts

FIGURE 2-2 (continued)

	Weekday (parking spaces/unit land use)		Weekend (parking spaces/unit land use)		Peak ratio	Units	Source
Land use	**Visitors**	**Employees**	**Visitors**	**Employees**			
Hotel–business	1.00	0.15	1.00	0.15	1.15	key	2,3
Hotel–leisure	1.00	0.15	1.00	0.15	1.15	key	2,3
Restaurant/lounge	6.67	1.20	7.67	1.33	9.00	ksf GLA	2,3
Meeting/banquet (0–20 sq ft/key)	scaled from 0 to 30	scaled from 0 to 2.0	scaled from 0 to 20	scaled from 0 to 2.0	scaled from 0 to 32	ksf GLA	2,3
Meeting/banquet (20–50 sq ft/key)	scaled from 30 to 20	scaled from 2 to 1.5	scaled from 20 to 10	scaled from 2 to 1.5	scaled from 32 to 21.5	ksf GLA	2,3
Meeting/banquet (50–100 sq ft/key)	scaled from 20 to 10	scaled from 1.5 to 1.0	scaled from 10 to 5.5	scaled from 1.5 to 1.0	scaled from 21.5 to 11.1	ksf GLA	2,3
Convention (100–200 sq ft/key)	scaled from 10 to 5.5	scaled from 1 to 0.5	5.50	scaled from 1 to 0.5	scaled from 11.1 to 6	ksf GLA	2,3
Convention (>200 sq ft/key)	use convention center but adjust for captive on site						2,3
Residential							
Studio efficiency	0.10	0.85	0.15	0.85	1.00	unit	2,3
1 bedroom	0.10	0.90	0.15	0.90	1.05	unit	2,3
2 bedrooms	0.10	1.65	0.15	1.65	1.80	unit	2,3
3+ bedrooms	0.10	2.50	0.15	2.50	2.65	unit	2,3
Senior housing	0.55	0.30	0.42	0.30	0.85	unit	2,3
Office <25,000 sq ft	0.30	3.50	0.03	0.35	3.80	ksf GFA	3
Office 25,000–100,000 sq ft	sliding scale between <25,000 and 100,000				scaled from 3.8 to 3.4	ksf GFA	3
Office = 100,000 sq ft	0.25	3.15	0.03	0.32	3.40	ksf GFA	3
Office 100,000–500,000 sq ft	sliding scale between 100,000 and 200,000				scaled from 3.4 to 2.8	ksf GFA	3
Office >500,000 sq ft	0.20	2.60	0.02	0.26	2.80	ksf GFA	3
Open plan/ high-density office	0.25	5.75	0.03	0.58	6.00	ksf GFA	2
Medical/dental office	3.00	1.60	0.00	0.00	4.60	ksf GFA	2,3
Bank (drive-in branch)	3.50	2.50	3.00	1.75	6.00	ksft GFA	2,3
Arena	0.27	0.03	0.30	0.03	0.33	seat	2
Pro football stadium	0.30	0.01	0.30	0.01	0.31	seat	2
Pro baseball stadium	0.31	0.01	0.34	0.01	0.35	seat	2

Sources:

1. *Parking Requirements for Shopping Centers*, 2nd ed. (Washington, DC: ULI, 1999).
2. Developed by Team Members from a combination of sources.
3. *Parking Generation*, 5th ed. (Washington, DC: Institute of Transportation Engineers, 2019).

Note: New land uses and changes to second edition titles shown in **bold.** Changes or new ratios are highlighted in blue.

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PLAN COMMISSION REVIEW
ENGINEERING DIVISION

Village of Arlington Heights
Interoffice Memorandum

To:	**Planning Staff Liaison**
From:	**Nanci Julius, P.E., Senior Civil Engineer**
Department:	**Public Works & Engineering Department**
File Number:	**PCA00015-2024**
Project:	**East Country Lane Townhomes**
	3225-3310 N Old Arlington Heights Rd
Review Round:	**Round 1**
Date:	**October 14, 2024**

DO EXISTING STRUCTURES, IF ANY, MEET MINIMUM REQUIREMENTS OF THE FOLLOWING?

1. PUBLIC IMPROVEMENTS REQUIRED:

	YES	NO	COMMENTS
a. Underground Utilities			
i. Water…….	☐	☒	_____
ii. Sanitary Sewer …….	☒	☐	Extend VAH Sanitary
iii. Storm Sewer……	☐	☒	_____
b. Surface Improvement			
i. Pavement …….	☐	☒	_____
ii. Curb& Gutter……...	☐	☒	_____
iii. Sidewalks…….	☒	☐	_____
iv. Street Lighting…….	☐	☒	_____
c. Easements			
i. Utility & Drainage….	☒	☐	_____
ii. Access……	☒	☐	_____

2. PERMITS REQUIRED OTHER THAN VILLAGE
   a. MWRDGC…… ☒
   b. IDOT…… ☒
   c. ARMY CORP… ☐
   d. IEPA…… ☒
   e. CCHD……. ☐
   f. OTHER…… ☒Buffalo Grove

3. R.O.W. DEDICATIONS……	YES ☐	NO ☒	_____
4. SITE PLAN ACCEPTABLE…….	YES ☐	NO ☒	_____
5. PRELMINARY PLATE ACCEPTABLE……	YES ☐	NO ☒	_____
6. TRAFFIC STUDY ACCEPTABLE……..	YES ☐	NO ☒	_____
7. STORMWATER DETENTION REQUIRED……	YES ☒	NO ☐	_____
8. CONTRIBUTION ORDINANCE EXISTING……	YES ☐	NO ☒	_____
9. FLOOD PLAIN OR FLOODWAY EXISTING…	YES ☐	NO ☒	_____
10. WETLAND EXISTING……	YES ☐	NO ☒	_____

ADDITIONAL COMMENTS ARE ATTACHED.

11. The petitioner is notified that these comments are being provided to ensure that the project meets the requirements for submittal to the Plan Commission. Approval by the Plan Commission is not an endorsement or approval of these documents to obtain the required building permits, engineering approval, or permits required by other government or permitting agencies for construction. Detailed plan review with associated comments will be provided upon submittal of plans for a building permit. The petitioner shall acknowledge that they accept this understanding.

12. The existing property is two separate parcels, a subdivision will be required. The plans must meet all subdivision requirements. Final engineering plans for all public improvements must be approved prior to the final plat of subdivision approval. An Engineers estimate of construction cost for full site improvements is required to complete the calculation for plan review, inspection, and other fees. An Engineers estimate of construction cost for public improvements is also required to complete the calculation for the required public improvement guarantee deposit. The public improvements for this development will be sanitary sewer, public sidewalk on East Country Lane, and a 10 ft wide multi-use path on Old Arlington Heights Rd. These estimates should be submitted at least three weeks prior to the final Plan Commission meeting to allow us time to generate the fee letter and for the petitioner to assemble the proper documents.

13. Final engineering plans shall be georeferenced by using State Plane Coordinate System – Illinois East. Below are details about projection:

Projected Coordinate System:	NAD_1983_StatePlane_Illinois_East_FIPS_1201_Feet
Projection:	Transverse_Mercator
False_Easting:	984250.00000000
False_Northing:	0.00000000
Central_Meridian:	-88.33333333
Scale_Factor:	0.99997500
Latitude_Of_Origin:	36.66666667
Linear Unit:	Foot_US
Geographic Coordinate System:	GCS_North_American_1983
Datum:	D_North_American_1983
	Prime Meridian: Greenwich
	Angular Unit: Degree

14. The Final Plat of Subdivision must be reviewed and approved by Engineering prior to final Plan Commission approval. The original signed mylar Final Plat of Subdivision, containing all non-Village signatures, shall be submitted one week before the scheduled date of the final Plan Commission meeting. Village Code Section 29-209 also requires a digital copy of the plat to be provided on disk to the Village. The petitioner shall acknowledge that they accept this understanding.

15. The proposed detention facility, storm sewer, water main and sanitary sewer will be private systems and as such will not be the Village's responsibility to maintain. An Onsite Utility Maintenance Agreement must be executed prior to final engineering approval. Please contact the Village Engineer for an editable version of the OUMA.

16. Plan Commission approval will require preliminary engineering plans including detention calculations showing HWL, storage required, storage provided, and restrictor sizing calculations. Any detention storage system located under pavement must be designed to AASHTO HS-25 loading standard. The Village's allowable release rate is 0.18 cfs/Ac. Use C=0.50 for pervious areas, C=0.95 for impervious areas. Use updated Bulletin 70 rainfall data. Clearly show the overflow route for the site. Minimum restrictor size allowed, for maintenance reasons, is 2". Restrictors between 2" and 4" must be in a trap in a catch basin. Show the location and size of the restrictor. Provide a detail showing the restrictor catch basin. If the restrictor required to meet the allowable release rate is less than 2", calculate the amount of detention storage provided with a 2" restrictor. Subtract this amount from the required storage based on the allowable release rate to show the storage deficiency. This deficiency can be paid as money in lieu of detention at the rate of $1.00 per cubic foot.

17. Provide a stormwater report.

18. The ADS Stormtech system along the west side of the property is located in the public utility easement. This is not acceptable. The entire system must be located outside of the easement.

19. An MWRD permit is required.

20. The layout of the water main is not acceptable.
    a. The water main shall be looped from East Country Lane to Old Arlington Heights Rd.
    b. The dead-end fire hydrants are not acceptable.
    c. Provide master meters on East Country Lane and Old Arlington Heights Rd.

21. The sanitary sewer is proposed to connect to sanitary maintained by Buffalo Grove. This is not acceptable. The proposed development must connect to the Village sanitary sewer located at the southwest corner of the Timber Court development.

22. An IEPA permit will be required for the sanitary sewer and water main extensions.

23. An NPDES permit is required for the site development.

24. Final subdivision approval will require final engineering plans.

25. Fire lanes, where required adjacent to buildings, must meet the pavement dimensions as directed by the Fire Department. Fire lanes require a heavy-duty pavement section. Asphalt pavement section to consist of: 2" Surface, 2-1/4" N-50 Binder, 5" N-50 Binder, and 4" CA-6 Stone Subbase. Concrete driveway apron to be 8" thick.

26. When on-site fire lanes are required, provide an exhibit to engineering scale showing the turning path of the Fire Department's responding vehicle, in this case the tower truck. Exhibit must show front and rear wheel paths and the extent of the front and rear overhangs, as provided in an "Autoturn" exhibit. The vehicle shall be shown maneuvering through the site in all possible directions of travel, including the cross access with the Timber Court development to the north. Attached are the specifications for the tower apparatus.

27. Provide stop signs, stop bars and detectable warning panels at the public sidewalk for the entrances off of East Country Lane.

28. The sidewalk shall carry through the entrances with the curb to stop on either side.

29. The sidewalk along Old Arlington Heights Rd shall be removed and replaced with a 10 ft wide concrete multi-use path.

30. The existing depressed curb on Old Arlington Heights Rd shall be removed and replaced with a full head curb, and the pavement patched a minimum of 2 ft in front of the new curb.

31. Old Arlington Heights Rd is in Buffalo Grove and is owned and maintained by the Illinois Department of Transportation (IDOT). Permits will be required from Buffalo Grove and from IDOT for work within the ROW.

32. The proposed storm sewer connection is tributary to an existing 24" IDOT culvert and McDonald Creek.

33. Show the location of the entrances on the south side of East Country Lane for the Lexington Heritage development.

34. Provide cross access to the Timber Court site.

35. Provide a traffic study.

Preliminary Plat of Subdivision:

36. Provide a Preliminary Plat of Subdivision. The Subdivision checklist is attached.

37. For the Final Plat of Subdivision, use the attached Final Plat of Subdivision Checklist. The elementary school district is Consolidated Community School District #25, Township High School District #214, Harper Community College District #512. Add the utility signature blocks.

10-14-24

Michael L. Pagones, P.E. Date
Village Engineer

Attachments:
AHFD Tower 133 Turning Performance Analysis (1 page)
Preliminary Plat of Subdivision Checklist (1 page)
Final Plat of Subdivision Checklist (3 pages)
Contacts for Plat Signatures (1 page)
Sample Utility Signature Blocks (1 page)

Preliminary Plat of Subdivision Checklist

Municipal Code Section 29-201(b)(1 – 13)

- ○ 1. The name of the proposed subdivision.
- ○ 2. A north-point indication, scale, date of preparation of the Preliminary plat, and by whom prepared.
- ○ 3. A legal description of land proposed to be subdivided, by section, township and range, and other terms as used in describing land on the records of the Recorder of Deeds or Registrar of Titles, Cook County, Illinois.
- ○ 4. Sufficient information to locate accurately the proposed subdivision in relation to its general neighborhood, by means of references to streets, railroad lines, recorded plats, etc. If the foregoing references cannot be made, then a vicinity plat showing the location of the proposed subdivision, drawn to a smaller scale, shall accompany the Preliminary plat.
- ○ 5. The description and location of all survey monuments, existing and to be erected, in the area of the proposed subdivision.
- ○ 6. The boundary lines of the proposed subdivision, drawn to accurate scale and bearing, and a statement of the total area encompassed by the boundary lines.
- ○ 7. The location and dimensions of streets, easements, improvements and utilities within and immediately contiguous to the proposed subdivision, as well as the location and dimensions of major features such as railroad lines, airports, water courses, lakes and exceptional topography.
- ○ 8. The location, dimensions and layout of proposed streets, alleys, and sidewalks of the proposed subdivision.
- ○ 9. The layout, number, dimensions and area of each lot of the proposed subdivision.
- ○ 10. The location, dimensions and layout of all parcels of land intended to be dedicated for public use, such as parks and other open spaces, or reserved for the use of all subdivision property owners, together with an indication of the nature of each such use within the proposed subdivision.
- ○ 11. The location, dimensions and layout of all public utility easements in the proposed subdivision.
- ○ 12. The location and dimensions of all building setback lines in the proposed subdivision.
- ○ 13. The names and last known addresses of the owners of the land proposed to be subdivided, the subdivider and all owners of land immediately adjoining the land proposed to be subdivided.

The Village of Arlington Heights Municipal Code can be accessed over the internet at www.vah.com .

Final Plat of Subdivision Checklist
Municipal Code Section 29-209(a – t)

- ○ a. The date of preparation of the final plat and by whom prepared.
- ○ b. The boundary of the plat, based on accurate traverse, with angles and lineal dimensions.
- ○ c. All permanent survey monuments, markers and bench marks.
- ○ d. Exact location, width and name of all streets within and adjoining the plat, and the exact location and widths of all cross walkways.
- ○ e. True angles and distances to the nearest established street lines or official monuments, not less than three.
- ○ f. Municipal, township, county and section lines accurately tied to the lines of the subdivision by distances and angles.
- ○ g. Radii, internal angles, points and curvatures, tangent bearings and lengths of all arcs.
- ○ h. All easements for rights of way established for public use and utilities.
- ○ i. All lot numbers and lines, with accurate dimensions given in hundredths of feet.
- ○ j. Accurate outlines and legal descriptions of all areas dedicated or reserved for public use, with the proposed uses indicated thereon; and all areas to be reserved by deed covenant for the common use of all property owners; together with the proposed uses indicated thereon.
- ○ k. The text of protective covenants, approved by the Plan Commission, relating to the proposed subdivision.
- ○ l. An endorsement by the County Clerk in the form acceptable to Cook County, that there are no delinquent, forfeited, foreclosed or purchased general taxes, or unpaid current general taxes, against the land proposed to be subdivided.
- ○ m. A summary of all restrictions applicable to any part of such subdivision concerning building restrictions, use restrictions, building setback lines and similar matters.
- ○ n. A deed of dedication in the form set forth in Section 29-217(a):
  The Final plat shall contain a deed of dedication substantially as follows:

  "We, the undersigned, (Names), owners of the real estate shown and described herein, do hereby lay off, plat and subdivide said real estate in accordance with the within plat. This subdivision shall be known and designated as (Name), an addition to the Village of Arlington Heights, Cook County. All streets and alleys and public open spaces shown and not heretofore dedicated are hereby dedicated to the public. Front and side yard building setback lines are established as shown on this plat, between which lines and the property lines of the streets, there shall be erected or maintained no building or structure. There are strips of ground, (Number) feet in width, as shown on this plat and marked 'Easement' reserved for the use of public utilities for the installation of water and sewer mains, poles, ducts, lines and wires, subject at all times to the proper authorities and to the easement herein reserved. No permanent or other structures are to be erected or maintained upon

these strips of land, but owners of lots in this subdivision shall take their titles subject to the rights of the public utilities, and to the rights of the owners of other lots in this subdivision.

(Additional dedications and protective covenants, or private restrictions, would be inserted here upon the subdivider's initiative or the recommendation of the Plan Commission or Village Board; important provisions are those specifying the use to be made of the property and, in the case of residential use, the minimum habitable floor area.)

The foregoing covenants (or restrictions), are to run with the land and shall be binding on all parties and all persons claiming under them until January 1, 20____ [25 year period is suggested], at which time said covenants (or restrictions) shall be automatically extended for successive periods of ten years unless indicated otherwise by negative vote of a majority of the then owners of the building sites covered by these covenants (or restrictions), in whole or in part, which said vote will be evidenced by a petition in writing signed by the owners and duly recorded. Invalidation of any one of the foregoing covenants (or restrictions) by judgment or court order shall in no way affect any of the other various covenants (or restrictions), which shall remain in full force and effect.

The right to enforce these provisions by injunction, together with the right to cause the removal, by due process of law, of any structure or part thereof erected or maintained in violation, is hereby dedicated to the public, and reserved to the several owners of the several lots in this subdivision and to their heirs and assigns.

WITNESS our hands and seals this _____ day of _____, 20_____.

STATE OF ILLINOIS)
COUNTY OF COOK) SS.

Before me the undersigned Notary Public, in and for the County and State aforesaid, personally appeared (Names), and each separately and severally acknowledged the execution of the foregoing instrument as his or her voluntary act and deed, for the purposes therein expressed.

WITNESS my hand and notarial seal this _____ day of 20 _____.

_____
Notary Public"

○ o. A blank certificate of approval in the form set forth in Section 29-217(b). The Final plat shall contain a certificate of approval as follows:

"Under the authority provided by 65 ILCS 5/11-12 as amended by the State Legislature of the State of Illinois and Ordinance adopted by the Village Board of the Village of Arlington Heights, Illinois, this plat was given approval by the Village of Arlington Heights AND MUST BE RECORDED WITHIN SIX MONTHS OF THE DATE OF APPROVAL BY THE VILLAGE BOARD, OTHERWISE IT IS NULL AND VOID.

APPROVED by the Plan Commission at a meeting held _____

_____
Chairman

_____
Secretary

APPROVED by the Village Board of Trustees at a meeting held _____

_____
President

_____
Village Clerk

APPROVED by the Village Collector

_____

APPROVED by the Village Engineer

_____"

○ p. A certification by a registered surveyor in the form set forth in Section 29-217(c). The Final plat shall contain a certificate signed by an Illinois Registered Land Surveyor in substantially the following form:

"I, (Name), hereby certify that I am an Illinois Registered Land Surveyor in compliance with the laws of the State of Illinois, and that this plat correctly represents a survey completed by me on (Date); that all monuments and markers shown thereon actually exist, and that I have accurately shown the materials that they are made of.

_____
Signature

(SURVEYOR'S SEAL)

Illinois Land Surveyor
No. _____"

○ q. A notarized statement from the owner indicating the school district in which each tract, parcel, lot or block lies.

○ r. A certificate in the form as required by the Illinois Department of Transportation or Cook County Highway Department, respectively, when any new street or new driveway will access one of these Department's streets.

○ s. The parcel index numbers of all lots contained within the plat shall be included on the plat of subdivision.

○ t. A block stating "Send Tax Bill To: (Name/Address)." The actual name and address shall be provided by the developer.

○ u. Provide a location to identify the address of each new lot.

The Village of Arlington Heights Municipal Code can be accessed over the internet at www.vah.com .

Sample Signature Blocks

COMMONWEALTH EDISON COMPANY
EASEMENT APPROVED AND ACCEPTED

BY: _____ DATE: _____, 20__

TITLE: _____

AMERITECH
EASEMENT APPROVED AND ACCEPTED

BY: _____ DATE: _____, 20__

TITLE: _____

NICOR GAS
EASEMENT APPROVED AND ACCEPTED

BY: _____ DATE: _____, 20__

TITLE: _____

COMCAST CABLE
EASEMENT APPROVED AND ACCEPTED

BY: _____ DATE: _____, 20__

TITLE: _____

ASTOUND
EASEMENT APPROVED AND ACCEPTED

BY: _____ DATE: _____, 20__

TITLE: _____

Cook County Signature Block:

This plat has been approved by the Cook County Highway Department with respect to roadway access pursuant to 765 ILCS 205/2. However, a Highway Permit, conforming to the standards of the Cook County Highway Department is required by the owner of the property for this access.

_____

Superintendent of Highways
Cook County, Illinois

Contacts for Plat Signatures

Ted Wyman
Comcast Cable
Right-of-Way Engineer
688 Industrial Drive
Elmhurst, IL 60126
Phone: (224) 229-5850 office (847) 652-6074 cell
Fax: (630) 359-5482
Ted_Wyman@comcast.com

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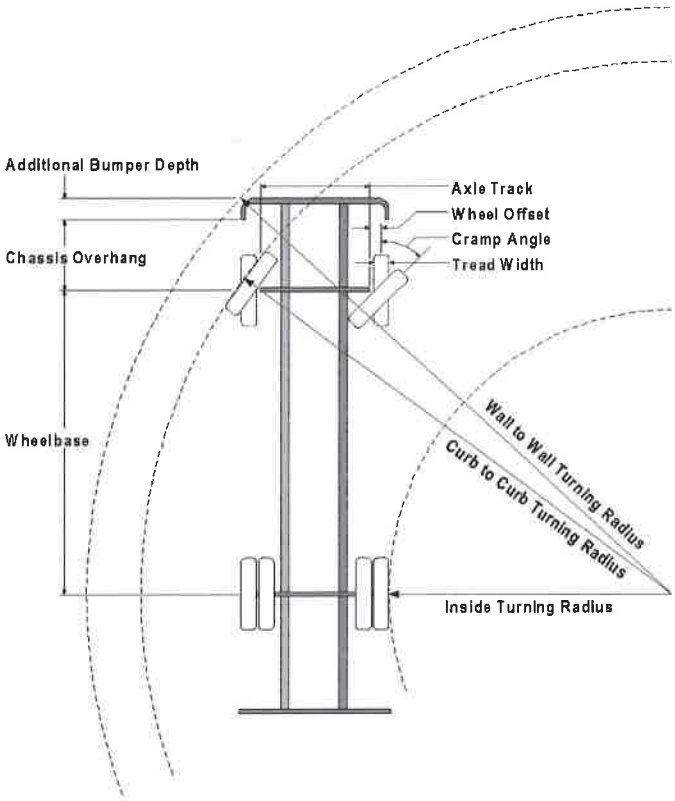
Katie Bengson, Real Estate Specialist **ComEd** Three Lincoln Center, 4th Floor Oakbrook Terrace, IL 60181	779-231-2411 Katie.bengson@comed.com
Ms. Gwen White **NICOR Gas** 1844 W Ferry Road Naperville, IL 60563	630-388-2976 (copy Matthew Erickson & Rebecca Luginbill) gborjon@suthernco.com MEricks@southernco.com X2RLUGIN@SOUTHERNCO.COM
Ms. Sue E. Manshum Senior Specialist **Ameritech** 222 W Jackson Street Woodstock, IL 60098	847-271-5149 sm9231@att.com
Mr. Alonzo Escatel or Paul Flinkow **Astound** 1130 Carolina Dr West Chicago, IL 60185	Alonzo 630-631-9577 Paul 630-803-9660 Alonzo.escatel@astound.com Paul.flinkow@astound.com
Mr.Jonathan Karabowicz **IDOT Permits** 201 W Center Court Schaumburg, IL 60196	Jonathan.karabowicz@illinois.gov
Ms. Stephanie Kuo (312)603-1670 **Cook County Department of Transportation and Highways** 69 W Washington St 24th Floor Chicago, IL 60602	312-603-1670 Secondary contact: Kiran.Adhikary@cookcountyil.gov Send all initial application submittals to hwy.permits@cookcountyil.gov Stephanie.Kuo@cookcountyil.gov Hwy.permits@cookcountyil.gov

Turning Performance Analysis

05/22/2018

Bid Number: 307
Department: Arlington Heights, IL

Chassis: Dash CF Chassis, PAP, PUC (Big Block)
Body: Aerial, Platform 100', PUC, Alum Body



Parameters:

*Inside Cramp Angle:	40°
Axle Track:	82.92 in.
Wheel Offset:	5.3 in.
Tread Width:	17.8 in.
Chassis Overhang:	78 in.
Additional Bumper Depth:	22 in.
Front Overhang:	136.1 in.
Wheelbase:	267.5 in.

Calculated Turning Radii:

Inside Turn:	25 ft. 3 in.
Curb to curb:	41 ft. 3 in.
Wall to wall:	48 ft. 2 in.

Category	Option	Description
Axle, Front, Custom	0090913	Axle, Front, Oshkosh TAK-4, Non Drive, 24,000 lb, Qtm/AXT/DCF
Wheels, Front	0019618	Wheels, Front, Alcoa, 22.50" x 13.00", Aluminum, Hub Pilot
Tires, Front	0078245	Tires, Front, Michelin, XZY3 (wb), 445/65R22.50, 20 ply
Bumpers	0550017	Bumper, 22" Extended, Arrow XT
Aerial Devices	0657391	Aerial, 100' Pierce Platform, 35 MPH Wind Rating, 400lb Tip Load Allowance

Notes:

*Actual Inside cramp angle may be less than shown.

Curb to Curb turning radius calculated for 9.00 inch curb.

Definitions:

Inside CrampAngle	Maximum turning angle of the front inside fire.
Axle Track	King-pin to King-pin distance of front axle.
Wheel Offset	Offset from the center line of the wheel to the King-pin.
Tread Width	Width of the tire tread.
Chassis Overhang	Distance of the center line of the front axle to the front edge of the cab. This does not include the bumper depth.
Additional Bumper Wheel	Depth that the bumper assembly adds to the front overhang.
Wheelbase	Distance between the center lines of the vehicles front and rear axles.
Inside Turning Radius	Radius of the smallest circle around which the vehicle can turn.
Curb to Curb Turning Radius	Radius of the smallest circle around which the vehicle's tires can turn. This measures assumes a curb height of 9 inches.
Wall to Wall Turning Radius	Radius of the smallest circle around which the vehicle's tires can turn. This measures takes into account any front overhang due to chassis , bumper extensions and or aerial devices.

PLAN COMMISSION REVIEW
FIRE DEPARTMENT

Village of Arlington Heights
Interoffice Memorandum

To:	**Planning and Community Dev. Dept.**
From:	**Div. Chief Dave Roberts**
Department:	**Fire Department**
File Number:	**PCA00015-2024**
Project:	**3310 N Old Arlington Heights Rd**
Review Round:	**Round 1**
Date:	**October 14th, 2024**

GENERAL COMMENTS:

1. IFC 2018 503.1.1 **Buildings and facilities.**
Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus access road shall comply with the requirements of this section and shall extend to within 150 feet (45 720 mm) of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility. *Please provide updated drawings showing the fire apparatus access road(s) as well as an autoturn diagram.*

2. IFC 2018 503.2.1 **Dimensions**.
Fire apparatus access roads shall have an unobstructed width of not less than 20 feet (6096 mm), exclusive of shoulders, except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 13 feet 6 inches (4115 mm). *Please provide updated drawings showing fire apparatus access road dimensions.*

3. IFC 2018 D103.1 **Access Road width with a hydrant**. Where a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 feet (7925 mm), exclusive of shoulders.

4. IFC 2018 D103.4 **Dead ends**. (As amended by Arlington Heights Municipal Code Article I Section 27-102) Fire apparatus access road dead ends are not allowed unless approved by the Fire Chief. *Please provide updated drawings showing the fire apparatus access road(s).*

5. **Hydrants** – The two proposed hydrants should be located near the entrances to the complex and not in the dead ends on the northeast and northwest corners of the complex. Per Municipal Code, dead ends are not suitable as apparatus access roads.

6. IFC 2018 912.2.1 **Visible Location**. (As amended by Arlington Heights Municipal Code Article I Section 27-102) Fire department connections shall be fully visible and located at the main front entrance of the building and within a maximum travel distance of 100 feet to the nearest fire hydrant or as directed by the Fire Chief or designee. Please provide drawings showing fire department connection locations and distance to nearest fire hydrant(s).

7. IFC 2018 D105.1 **Aerial Access Roads Where required**.
   Where the vertical distance between the grade plane and the highest roof surface exceeds 30 feet (9144 mm), approved aerial fire apparatus access roads shall be provided. For purposes of this section, the highest roof surface shall be determined by measurement to the eave of a pitched roof, the intersection of the roof to the exterior wall, or the top of parapet walls, whichever is greater. *Please provide drawings showing the height of proposed buildings.*

PLAN COMMISSION REVIEW
POLICE DEPARTMENT

Village of Arlington Heights
Interoffice Memorandum

To:	**Michael Lysicatos**
From:	**Officer Alexandra Fontana**
Department:	**Police Department**
File Number:	
Project:	**3310 N Old Arlington Heights Rd**
Review Round:	**Round 1**
Date:	**10/25/2024**

1. CHARACTER OF USE: (WOULD IT BE A PROBLEM TYPE?)

The character of use is consistent with the area and is not a concern

2. ARE LIGHTING REQUIREMENTS ADEQUATE?

Lighting should be up to Village of Arlington Heights code. The exterior of the building should be illuminated especially during nighttime hours for safety, to deter criminal activity and increase surveillance/visibility- potentially reducing theft, trespassing, vandalism, underage drinking, and other criminal activity.

3. PRESENT TRAFFIC PROBLEMS?

There are no traffic problems at this location.

4. TRAFFIC ACCIDENTS AT PARTICULAR LOCATION:

This is not a problem area in relation to traffic accidents.

5. TRAFFIC PROBLEMS THAT MAY BE CREATED BY THE DEVELOPMENT:

This development should not create any additional traffic problems.

6. GENERAL COMMENTS:

Address visibility:

Include signage for "No Trespassing," "No Loitering" and/or "No Solicitation."

For each individual dwelling within the complex, there should be a prominent address number which is easily visible to approaching motor vehicles, pedestrians, and first responders.

Parking Lot and exterior courtyards:

Emergency telephones should be installed in the parking area for added safety.

Plantings higher than 3 feet should not be placed within 10 to 15 feet of entrances to prevent hiding spots, and mature trees should be pruned to 8 feet.

Lighting is an important aspect of CPTED. Lighting increases the amount and quality of natural surveillance. If people cannot see the activity, they cannot report the activity. Lighting can also deter those intending to conduct criminal/nuisance activity. Exterior lighting should to be activated by sensor, timer or motion depending on the need and location.

The height of parking lot light fixtures makes a difference in the ability of pedestrians to see past the shadows caused by the cars and other obstructions naturally occurring in parking lots. Typical light poles are 30 to 45 feet high and cast a wide swath of lighting, but they create deep shadows between cars. Pedestrian-level lighting in the 12- to-14-foot range casts light that will go through the glass of cars and reflect off the cars; that can dramatically reduce shadows and dark spots.

CCTV is an essential part of CPTED and is highly recommended for the parking lot area. Signage indicating the use of video surveillance and monitoring is also highly recommended in conjunction with CCTV.

Trash enclosure:

Will this complex have a communal trash enclosure for residents of the complex? If yes, the ability to lock the trash enclosures is recommended to discourage foraging. Additionally, the trash enclosure provides a place of concealment for criminal activity if trash areas are not properly secured.

Should be monitored 24/7 by CCTV and contain clearly visible signage indicating the use of security cameras.

Territorial Reinforcement:

Clear boundaries between public and private areas achieved by using physical elements such as fences, pavement treatment, art, signs, good maintenance and/or landscaping is recommended. These are ways to express ownership and delineate this property from others. It also makes identifying intruders much easier by having well defined spaces.

Barrier fencing or similar is recommended alongside the north side of the property, adjacent to 3400 N Old Arlington Heights Rd. Fencing should be used to create territorial reinforcement and define the Old Arlington Heights Rd Townhome property as separate from 3400 N Old Arlington Heights Rd. If utilizing fencing, should be tall enough to discourage fence hopping. Fencing should act as a barrier while not creating an opportunity for concealment. This is achieved by using fencing with adequate space between the posts to increase sight lines.

Catalytic Converter Theft Deterrent Recommendations

Implement CCTV and lighting improvements recommended above to improve natural surveillance and reduce concealment opportunities for criminal activity.

Please ensure that there is an emergency information/contact card on file with the Arlington Heights Police Department and that it is up-to-date. Agent contact information must be provided to the Arlington Heights Police Department during all construction phases. The form is attached. Please complete and return. This allows

police department personnel to contact an agent during emergency situations or for suspicious/criminal activity on the property during all hours.

Landscaping should provide open sightlines to increase natural surveillance and avoid creating ambush locations and havens for illegal activities- theft, trespassing, vandalism, underage drinking, drug use, etc.

_____

Supervisor

VILLAGE OF ARLINGTON HEIGHTS
INC. 1887

Date:	October 3rd, 2024
To:	Michael Lysicatos, Assistant Director Planning Department
From:	Terese Biskner, Environmental Health Officer
Subject:	PCA00015-2024, Round 1, 3310 N. Old Arlington Heights Rd.
Attachments:	None

Health has no comments.

Village of Arlington Heights
Interoffice Memorandum

To:

From: **Dan Osoba**

Department: **Planning & Community Development**

File Number: **PC24-015**

Project: **East Country Lane Townhomes**

Review Round: **Round 1**

Date: **October 31, 2024**

	YES	NO
1. COMPLIES WITH COMPREHENSIVE PLAN:	☐	☒
2. COMPLIES WITH THOROUGHFARE PLAN:	☒	☐
3. VARIAITONS NEEDED FROM ZONING REGULATIONS:	☒	☐
4. VARIATIONS NEEDE FROM SUBDIVISION REGULATIONS:	☒	☐
5. SUBDIVISION REQUIRED:	☒	☐
6. SCHOOL/PARK DISTRICT CONTRIBUTION REQUIRED:	☒	☐

Zoning:

7. The following zoning approvals have been requested based on a review of the plans. Please verify:
    a. Planned Unit Development (PUD) to allow a 24-unit townhome development consisting of four buildings on one zoning lot.
    b. Rezoning from the M-1 Research, Development and Light Manufacturing District to the R-6 Multiple-Family Dwelling District.
    c. Amendment to the Comprehensive Plan to reclassify the subject property from the "R&D, Manufacturing and Warehouse" classification to the "Moderate Density Multi-Family" classification.
    d. Preliminary and Final Plat of Subdivision approval to consolidate the subject property into one lot.
    e. Variation to Section 5.1-6.2.b to allow a 80,150 square foot lot size where a minimum lot size of 84,000 square feet is required (22 dwelling units permitted; 24 dwelling units proposed).
    f. Variation to Section 6.12-1(2)a to waive the requirement for a parking study.
    g. Additional zoning actions may be identified based on a response to these comments.

8. For each variation, a separate response to each four standards for variation approval (listed as Land Use Variation in the Plan Commission Checklist) shall be provided. The response to the variation standards of approval must be modified as it must be specific to each variation requested.
    a. The Project Narrative indicates no variations are required; however, there are several that must be considered (see the times listed above). Please revise the narrative and the justification documents based on the variations called out in this review for upload in the second review.
    b. Note that the justification letter includes justification for a Special Use Permit and a Land Use Variation. Please note that a Special Use Permit is not required and not pertinent to this application. Utilize the Land Use Variation criteria for approval for *each* variation requested and revise the justification letter.

General:

9. The following documents were not provided as required by chapter 28, Section 9.8 for PUD review:
    a. Legal Description (Metes and Bounds for purpose of the new subdivision)
    b. Plat of Survey or ALTA Survey (topographical survey is not acceptable)
    c. Master Plan showing streets, lots, parcels, and sites for all uses in the PUD including area proposed to be conveyed, dedicated, or reserved for public uses including parks, playgrounds, and parkways, as well as a brief written statement describing the PUD.
        i. This Master Plan should include the preliminary development schedule that indicates the approximate date of construction start, the number of construction phases, the start date of each phase, and the completion of each phase, and a construction staging plan. The construction staging plan must include material storage area(s), construction worker parking, expected traffic detours/lane closures, and construction entrances.
    d. The site plan provided includes some of the required elements but is missing the following:
        i. Fire lane(s)
        ii. Free standing sign(s) as applicable
        iii. Trash enclosure(s)
        iv. Floor Area Ratio (150% max)
    e. Preliminary Plat of Subdivision: please ensure this document is submitted for review as it will need to be approved with the Planned Unit Development prior to Final Plat approval. Please refer to Section 29-301(b) for requirements of a Preliminary Plat.

10. The following documents were not provided as required by the Petitioner's Checklist in the Plan Commission Guide:
    f. Proof of ownership: the ownership affidavit was signed; however, one item listed in section 2 of the Petitioner's Checklist must be provided for this requirement.

g. Property Owners List within 250-feet of the property lines of this development, which excludes the rights-of-way.

11. Several items as listed above were not included with this petition. Please ensure that you review the applicable submission requirements for PUDs and the Petitioner's Checklist in the Plan Commission guide.

12. Impact fees shall be required for each new townhome unit.

13. Please revise the project narrative to outline any green or sustainable design features proposed within the development.

14. A Plan Commission application fee will be invoiced after this review is sent and must be paid prior to acceptance of the second review.

15. Your response to these comments must be uploaded to the CSS portal, along with tall the revised plans. Once the entire resubmittal has been uploaded, please email Dan Osoba at dosoba@vah.com to notify that a resubmittal has been uploaded.

Site:

16. Provide information on all proposed above ground utility infrastructure (transformers, switchgear, utility pedestals, mechanical units, etc.), which must be located away from public rights-of-way and properly screened from view.

17. Provide information on any proposed dumpster/refuse area. All dumpster/refuse areas must be fully screened within solid, opaque structures and an opaque gate.

18. Provide any information on proposed fencing. If no fencing is proposed, please respond so in this comment.

19. Provide additional walkway connections from the western row of townhomes to the south to connect to the sidewalk on E. County Lane.

20. Please prepare a fire/life safety exhibit that clearly shows the location of all fire lanes/aerial apparatus roads, their width and distance from the building, dimensions of the building along each elevation, the building height, FDC and fire hydrant locations, and details on the proposed construction type for each structure.

21. Pedestrian cross access should be provided to the west to connect to the Arlington Executive Plaza.

22. Per the Timber Court approval in 2005, the following condition of approval was incorporated:
    a. A cross-access easement shall be required along the south property line and shall be effectuated at such time when the properties to the south develop.
        i. In order to implement this cross-access, the subject property of this petition must provide reciprocal access back to Timber Court. The

petitioner has provided documents that indicate that the petitioner does not feel this is in the best interest. This cross-access was evaluated at the time of Timber Court and found that it was necessary for the continued vehicular connection for future development. Please provide that cross-access or provide detailed analysis that demonstrates the cross-access is unwarranted in an updated traffic study. It is generally the opinion of staff that the cross-access is necessary and will increase connectivity of the development.

Landscaping

23. Provide an additional tree at the south end of the row of guest parking on the west side of the site.

24. Ensure that landscape plant material installed adjacent to driveway/garage entrances is not taller than 36" as that material will be within the sight visibility triangle (12-feet from the intersection of the driveway and access drives).

25. See additional landscaping comments from Derek Mach.

Building & Design

26. A Design Commission application is required and has been satisfied at this point. No further action is required unless significant design changes to the building design are made prior to Village Board approval.

27. Per the Conceptual Plan Review Staff Report, Public Act #103-0053 was enacted by the Illinois General Assembly, which requires that each unit must have one garage space that is capable of powering an electric vehicle, along with the appropriate panelboard and electrical infrastructure within three feet of a parking space. Please provide details on all green/sustainable features proposed within this development. Staff strongly encourages the integration of these features in the building.

Streetscape Improvements/Infrastructure

28. The Village's Bike and Pedestrian Plan calls for a multi-use pathway (10' wide) along Old Arlington Heights Road, which must be implemented as part of this project. Old Arlington Heights Road is under the jurisdiction of IDOT, and an IDOT permit shall be required for all work within the IDOT right-of-way.

Parking & Traffic

29. A variation is required to Section 6.12-1(2)a is required if a parking study is not provided. Considering the proposal is compliant with parking requirements per Village Code, Village staff is amenable to this request. Please provide justification of said request in a revised justification letter.

30. The Traffic Study provided is a scope of work proposal from BLA-Inc. to perform the Traffic Study; however, this does not suffice for a traffic study. Please provide a Traffic Study for review that addresses access (location, design, and level of service), on-site circulation including the cross-access, trip generation and distribution, and parking (unless a variance is requested for parking).

PLAN COMMISSION REVIEW
PLANNING & COMMUNITY DEVELOPMENT DEPARTMENT

Village of Arlington Heights
Interoffice Memorandum

To:	**Dan Osoba, Planner**
From:	**Derek Mach, Landscape Planner**
Department:	**Planning & Community Development Department**
File Number:	**PCA00015-2024**
Project:	**3310 N Old Arlington Heights Road**
Review Round:	**Round 1 Review**
Date:	**October 14, 2024**

	YES	NO
1. COMPLIES WITH TREE PRESERVATION ORDINACE:	☒	☐
2. COMPLIES WITH LANDSCAPE PLAN ORDINANCE:	☐	☒
3. PARKWAY TREE FEE REQUIRED:	☒	☐

COMMENTS:

1. Provide a dense buffer along the west property line adjacent to the manufacturing district. Infill with evergreens in order to create a screen that provides year round opacity. In addition, incorporate landscaping along the north property line that includes a mix of deciduous trees and evergreens.

2. Provide 4 inch caliper shade trees at the ends of all parking rows (Chapter 28, Section 6.15). An additional shade tree must be provided at the south end of the parking row near the drive aisle.

3. Provide a more detailed planting plan.

4. Along N. Old Arlington Heights Road and East County Lane provide additional landscaping. The landscaping should be layered and include a mix of shrubs and perennials.

5. Incorporate parkway trees along N. Old Arlington Heights Road and East County Lane.

6. All mechanical units must be screened with landscaping or other appropriate methods of screening. Please show all proposed ground mounted units and the proposed screening.

PLAN COMMISSION REVIEW
FIRE DEPARTMENT

Village of Arlington Heights
Interoffice Memorandum

To:	**Dan Osaba**
From:	**Div. Chief Dave Roberts**
Department:	**Fire Department**
File Number:	**PCA00015-2024**
Project:	**3310 N Old Arlington Heights Rd**
Review Round:	**Round 2**
Date:	**November 15th, 2024**

GENERAL COMMENTS:

1. IFC 2018 503.1.1 **Buildings and facilities.**
Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus access road shall comply with the requirements of this section and shall extend to within 150 feet (45 720 mm) of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility. *Please provide updated drawings showing the distance from the apparatus access road(s) to all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility.*

2. IFC 2018 D103.4 **Dead ends**. (As amended by Arlington Heights Municipal Code Article I Section 27-102) Fire apparatus access road dead ends are not allowed unless approved by the Fire Chief. *Do not use dead end roads for measurements in item #1 above.*

3. IFC 2018 912.2.1 **Visible Location**. (As amended by Arlington Heights Municipal Code Article I Section 27-102) Fire department connections shall be fully visible and located at the main front entrance of the building and within a maximum travel distance of 100 feet to the nearest fire hydrant or as directed by the Fire Chief or designee. *Please provide drawings showing fire department connection locations and distance to nearest fire hydrant(s). Please provide a drawing that shows the FDC(s) and distance to closest hydrant(s).*

4. IFC 2018 D105.1 **Aerial Access Roads Where required.**
Where the vertical distance between the grade plane and the highest roof surface exceeds 30 feet (9144 mm), approved aerial fire apparatus access roads shall be

provided. For purposes of this section, the highest roof surface shall be determined by measurement to the eave of a pitched roof, the intersection of the roof to the exterior wall, or the top of parapet walls, whichever is greater. *Please show proof of compliance with all sections of IFC 2018 appendix D.*

5. IFC D105.2 **Width.**
   Aerial fire apparatus access roads shall have a minimum unobstructed width of 26 feet (7925 mm), exclusive of shoulders, in the immediate vicinity of the building or portion thereof. *Please show proof of compliance with all sections of IFC 2018 appendix D.*

6. IFC D105.3 **Proximity to building.**
   One or more of the required access routes meeting this condition shall be located not less than 15 feet (4572 mm) and not greater than 30 feet (9144 mm) from the building, and shall be positioned parallel to one entire side of the building. The side of the building on which the aerial fire apparatus access road is positioned shall be approved by the fire code official. *Please show proof of compliance with all sections of IFC 2018 appendix D.*

7. IFC D105.4 **Obstructions.**
   Overhead utility and power lines shall not be located over the aerial fire apparatus access road or between the aerial fire apparatus road and the building. Other obstructions shall be permitted to be placed with the approval of the fire code official. *Please show proof of compliance with all sections of IFC 2018 appendix D.*

Village of Arlington Heights
Interoffice Memorandum

From:	**Dan Osoba / 847-368-5215 / dosoba@vah.com**
Department:	**Planning & Community Development**
File Number:	**PC24-015**
Project:	**East Country Lane Townhomes – 3310 N Old Arlington Heights Road**
Review Round:	**Round 2**
Date:	**November 15, 2024**

	YES	NO
1. COMPLIES WITH COMPREHENSIVE PLAN:	☐	☒
2. COMPLIES WITH THOROUGHFARE PLAN:	☒	☐
3. VARIAITONS NEEDED FROM ZONING REGULATIONS:	☒	☐
4. VARIATIONS NEEDE FROM SUBDIVISION REGULATIONS:	☒	☐
5. SUBDIVISION REQUIRED:	☒	☐
6. SCHOOL/PARK DISTRICT CONTRIBUTION REQUIRED:	☒	☐

Zoning:

7. The following zoning approvals have been requested based on a review of the plans. Please verify:
    a. Planned Unit Development (PUD) to allow a 24-unit townhome development consisting of four buildings on one zoning lot.
        i. The petitioner has acknowledged that a PUD is needed. **Complete**

    b. Rezoning from the M-1 Research, Development and Light Manufacturing District to the R-6 Multiple-Family Dwelling District.
        i. The petitioner has acknowledged that a rezoning is needed. **Complete**

    c. Amendment to the Comprehensive Plan to reclassify the subject property from the "R&D, Manufacturing and Warehouse" classification to the "Moderate Density Multi-Family" classification.
        i. The petitioner has acknowledged that an amendment to the Comprehensive Plan is needed. **Complete**

    d. Preliminary and Final Plat of Subdivision approval to consolidate the subject property into one lot.

i. The petitioner has acknowledged that a Preliminary and Final Plat is needed. The petitioner will be providing the Preliminary Plat for review and consideration first; a final plat of consolidation will be submitted after initial Village Board approval of the Preliminary Plat and other associated entitlements. **Complete**

e. Variation to Section 5.1-6.2.b to allow a 80,150 square foot lot size where a minimum lot size of 84,000 square feet is required (22 dwelling units permitted; 24 dwelling units proposed).
   i. The petitioner has acknowledged that a variation for lot size is needed. **Complete**

f. Variation to Section 6.12-1(2)a to waive the requirement for a parking study.
   i. The petitioner has provided the parking study. This variation request is not needed. **Complete**

g. Additional zoning actions may be identified based on a response to these comments.
   i. No further zoning actions were identified during this review. **Complete**

8. For each variation, a separate response to each four standards for variation approval (listed as Land Use Variation in the Plan Commission Checklist) shall be provided. The response to the variation standards of approval must be modified as it must be specific to each variation requested.
   a. The Project Narrative indicates no variations are required; however, there are several that must be considered (see the times listed above). Please revise the narrative and the justification documents based on the variations called out in this review for upload in the second review.
      i. The petitioner has provided justification for the variation requested for lot size. **Complete**

   b. Note that the justification letter includes justification for a Special Use Permit and a Land Use Variation. Please note that a Special Use Permit is not required and not pertinent to this application. Utilize the Land Use Variation criteria for approval for *each* variation requested and revise the justification letter.
      i. The petitioner has acknowledged that a Special Use Permit and a Land Use Variation is not required. **Complete**

General:

9. The following documents were not provided as required by chapter 28, Section 9.8 for PUD review:
   a. Legal Description (Metes and Bounds for purpose of the new subdivision)
      i. The petitioner has provided a legal description on the Preliminary Plat of Consolidation. **Complete**

b. Plat of Survey or ALTA Survey (topographical survey is not acceptable)
    i. The petitioner has not provided an updated Plat of Survey or ALTA survey for the site. **Please provide an updated Plat of Survey prior to the Plan Commission hearing in lieu of a topographical survey.**

c. Master Plan showing streets, lots, parcels, and sites for all uses in the PUD including area proposed to be conveyed, dedicated, or reserved for public uses including parks, playgrounds, and parkways, as well as a brief written statement describing the PUD.
    i. This Master Plan should include the preliminary development schedule that indicates the approximate date of construction start, the number of construction phases, the start date of each phase, and the completion of each phase, and a construction staging plan. The construction staging plan must include material storage area(s), construction worker parking, expected traffic detours/lane closures, and construction entrances.
        1. The petitioner has provided an updated Master Plan illustrating the items requested. **Complete**

d. The site plan provided includes some of the required elements but is missing the following:
    i. Fire lane(s)
    ii. Free standing sign(s) as applicable
    iii. Trash enclosure(s)
    iv. Floor Area Ratio (150% max)
        1. The petitioner has provided the requested items or acknowledged that they are not applicable to this application. **Complete**

e. Preliminary Plat of Subdivision: please ensure this document is submitted for review as it will need to be approved with the Planned Unit Development prior to Final Plat approval. Please refer to Section 29-301(b) for requirements of a Preliminary Plat.
    i. The petitioner has provided a Preliminary Plat of Subdivision for review. Review any further comments from other Village Departments and make changes as applicable. **Complete**

10. The following documents were not provided as required by the Petitioner's Checklist in the Plan Commission Guide:
    f. Proof of ownership: the ownership affidavit was signed; however, one item listed in section 2 of the Petitioner's Checklist must be provided for this requirement.
        i. **This comment was not addressed. Please provide the verification of ownership. The response to comments letter indicates an executed purchase agreement was included in the submittal, but it appears it was not uploaded.**

g. Property Owners List within 250-feet of the property lines of this development, which excludes the rights-of-way.
    i. Property owner list was provided and verified. Further instructions on the public notification requirements will be sent via email. **Complete**

11. Several items as listed above were not included with this petition. Please ensure that you review the applicable submission requirements for PUDs and the Petitioner's Checklist in the Plan Commission guide.
    a. The petitioner has included the majority of the requested documents. **Complete**

12. Impact fees shall be required for each new townhome unit.
    a. The petitioner has acknowledged the need for impact fees. The fee schedule will be sent under a separate cover via email and uploaded to the CSS portal. **Complete**

13. Please revise the project narrative to outline any green or sustainable design features proposed within the development.
    a. The petitioner has identified green or sustainable infrastructure proposed including EV charging in garages. **Complete**

14. A Plan Commission application fee will be invoiced after this review is sent and must be paid prior to acceptance of the second review.
    a. The Plan Commission fee has been paid in full. **Complete**

15. Your response to these comments must be uploaded to the CSS portal, along with tall the revised plans. Once the entire resubmittal has been uploaded, please email Dan Osoba at dosoba@vah.com to notify that a resubmittal has been uploaded.
    a. The petitioner provided a response to comments. **Complete**
    b. **The petitioner shall provide any updated documents with a response to comments to the CSS portal as requested in this 2nd Review.**

Site:

16. Provide information on all proposed above ground utility infrastructure (transformers, switchgear, utility pedestals, mechanical units, etc.), which must be located away from public rights-of-way and properly screened from view.
    a. **The petitioner shall acknowledge the location requirements for utility infrastructure as the proposed location is not known currently. This will be recommended as a condition of approval by the SDC.**

17. Provide information on any proposed dumpster/refuse area. All dumpster/refuse areas must be fully screened within solid, opaque structures and an opaque gate.
    a. The petitioner indicated that there is no common dumpster/refuse area. Trash pick-up will occur for individual units like single-family homes. **Complete**

18. Provide any information on proposed fencing. If no fencing is proposed, please respond so in this comment.
    a. **Information on proposed fencing has been provided. Additional comments are included in the "Fencing" section below (comments 31-33).**

19. Provide additional walkway connections from the western row of townhomes to the south to connect to the sidewalk on E. County Lane.
    a. **The location of walkways does not match between the Site Plan prepared by BSB Design and the Preliminary Engineering prepared by Pearson, Brown & Associates, Inc. Verity the correct location and revise both documents to match the location and size.**
    b. **Comment addition based on revised plans: sidewalks that cross drive aisle need to align. It appears that the sidewalk crossings are not aligned and offset slightly.**

20. Please prepare a fire/life safety exhibit that clearly shows the location of all fire lanes/aerial apparatus roads, their width and distance from the building, dimensions of the building along each elevation, the building height, FDC and fire hydrant locations, and details on the proposed construction type for each structure.
    a. **See Fire Department comments for additional details. Complete**
    b. **Commend addition based on revised plans: the building height does not match between the Site Plan prepared by BSB Design (shown at 40') and the Project Summary (shown at 35'). Verify the height as approved by the Design Commission and resubmit.**

21. Pedestrian cross access should be provided to the west to connect to the Arlington Executive Plaza.
    a. The petitioner has provided pedestrian cross access. **Complete**

22. Per the Timber Court approval in 2005, the following condition of approval was incorporated:
    a. A cross-access easement shall be required along the south property line and shall be effectuated at such time when the properties to the south develop.
        i. In order to implement this cross-access, the subject property of this petition must provide reciprocal access back to Timber Court. The petitioner has provided documents that indicate that the petitioner does not feel this is in the best interest. This cross-access was evaluated at the time of Timber Court and found that it was necessary for the continued vehicular connection for future development. Please provide that cross-access or provide detailed analysis that demonstrates the cross-access is unwarranted in an updated traffic study. It is generally the opinion of staff that the cross-access is necessary and will increase connectivity of the development.
            1. The petitioner has provided vehicular cross access on the Preliminary Plat of Consolidation. The easement language and recording of said easement will be reviewed as part of the Final Plat of Consolidation. **Complete; however, future comments**

may be applicable upon submission of a Final Plat of Subdivision.

Landscaping

23. Provide an additional tree at the south end of the row of guest parking on the west side of the site.
    a. **Staff has reviewed the request to accommodate the tree planting in an alternative location instead of the parking lot island. The alternative location is acceptable as mitigation and justification for a variation request; however, a variation will be required to Section 6.15-1.2.b is required. Staff is amenable to this request. Please add justification for this request to the Justification for Zoning Variation document.**

24. Ensure that landscape plant material installed adjacent to driveway/garage entrances is not taller than 36" as that material will be within the sight visibility triangle (12-feet from the intersection of the driveway and access drives).
    a. The petitioner has provided landscaping material compliant with this requirement. **Complete**

25. See additional landscaping comments from Derek Mach.
    a. Please see the comment regarding the variation request above. **Complete**

Building & Design

26. A Design Commission application is required and has been satisfied at this point. No further action is required unless significant design changes to the building design are made prior to Village Board approval.
    a. The petitioner has acknowledged the Design Commission portion of this application and reflected revisions based on their approval. **Complete**

27. Per the Conceptual Plan Review Staff Report, Public Act #103-0053 was enacted by the Illinois General Assembly, which requires that each unit must have one garage space that is capable of powering an electric vehicle, along with the appropriate panelboard and electrical infrastructure within three feet of a parking space. Please provide details on all green/sustainable features proposed within this development. Staff strongly encourages the integration of these features in the building.
    a. The petitioner has provided a response to green infrastructure, including EV charging. **Complete.**

Streetscape Improvements/Infrastructure

28. The Village's Bike and Pedestrian Plan calls for a multi-use pathway (10' wide) along Old Arlington Heights Road, which must be implemented as part of this project. Old Arlington Heights Road is under the jurisdiction of IDOT, and an IDOT permit shall be required for all work within the IDOT right-of-way.
    a. **The petitioner acknowledged this comment; however, the sidewalk width is called out at 8' on the Preliminary Engineering Plan prepared by Pearson, Brown & Associates, Inc. Please revise the plan to reflect the corrected sidewalk width.**

Parking & Traffic

29. A variation is required to Section 6.12-1(2)a is required if a parking study is not provided. Considering the proposal is compliant with parking requirements per Village Code, Village staff is amenable to this request. Please provide justification of said request in a revised justification letter.
    a. The petitioner has provided a traffic and parking study. **Complete**

30. The Traffic Study provided is a scope of work proposal from BLA-Inc. to perform the Traffic Study; however, this does not suffice for a traffic study. Please provide a Traffic Study for review that addresses access (location, design, and level of service), on-site circulation including the cross-access, trip generation and distribution, and parking (unless a variance is requested for parking).
    a. The petitioner has provided a traffic study. Comments may be submitted from other departments. **Complete**

PLAN COMMISSION REVIEW
PLANNING & COMMUNITY DEVELOPMENT DEPARTMENT

Village of Arlington Heights
Interoffice Memorandum

To:	**Dan Osoba, Planner**
From:	**Derek Mach, Landscape Planner**
Department:	**Planning & Community Development Department**
File Number:	**PCA00015-2024**
Project:	**3310 N Old Arlington Heights Road**
Review Round:	**Round 2 Review**
Date:	**November 15, 2024**

	YES	NO
1. COMPLIES WITH TREE PRESERVATION ORDINACE:	☒	☐
2. COMPLIES WITH LANDSCAPE PLAN ORDINANCE:	☐	☒
3. PARKWAY TREE FEE REQUIRED:	☒	☐

COMMENTS:

1. Provide a dense buffer along the west property line adjacent to the manufacturing district. Infill with evergreens in order to create a screen that provides year round opacity. In addition, incorporate landscaping along the north property line that includes a mix of deciduous trees and evergreens.
   This has been addressed as part of the revised landscape plan dated 11/7/24.

2. Provide 4 inch caliper shade trees at the ends of all parking rows (Chapter 28, Section 6.15). An additional shade tree must be provided at the south end of the parking row near the drive aisle.
   Per code there are two trees along the west drive aisle that must be provided at the end of the parking rows. If it is not feasible to provide the code required trees you will need to request a variance.

3. Provide a more detailed planting plan.
   Please note that a detailed planting plan must be provided as part of the permit.

5. Along N. Old Arlington Heights Road and East County Lane provide additional landscaping. The landscaping should be layered and include a mix of shrubs and perennials.
   This has been addressed as part of the revised landscape plan.

6. Incorporate parkway trees along N. Old Arlington Heights Road and East County Lane.
   This has been addressed as part of the revised landscape plan.

7. All mechanical units must be screened with landscaping or other appropriate methods of screening. Please show all proposed ground mounted units and the proposed screening.
   Revisions noted.

PLAN COMMISSION REVIEW
BUILDING & LIFE SAFETY DEPARTMENT

Village of Arlington Heights
Interoffice Memorandum

To:	**Dan Osoba, Development Planner**
	Ron Weber, Director of Building & Life Safety
From:	**Elliot Eldridge, Assistant Building Official, Building & Life Safety**
Project:	**3310 N Old Arlington Heights Rd., Arlington Heights, IL 60004**
PC:	**PCA00015-2024**
Review Round:	**Round 2 for the East Country Lane Townhomes**
Date:	**November 22, 2024**

DO EXISTING STRUCTURES, IF ANY, MEET MINIMUM REQUIREMENTS OF THE FOLLOWING?

	YES	NO
1. VILLAGE BUILDING CODE	☒	☐
2. PRESENT ZONING USE	☐	☐
3. REQUESTED ZONING USE	☐	☐
4. SUBDIVISION REQUIRED	☐	☐
5. SIGN CODE	☐	☐

6. GENERAL COMMENTS:

The Building & Life Safety Department has reviewed the above referenced Plan Commission application comprised of the project's architectural plans, fire truck turning exhibits, building elevations, and site plan. As such, the Building & Life Safety Department have the following comments:

1. All currently adopted codes shall apply. Provide currently adopted codes on the resubmittal. The plans do not appear to conform to this requirement.

2. Where the vertical distance between the grade plane and the highest roof surface exceeds 30 feet, approved aerial fire apparatus access roads shall be provided. Aerial fire apparatus access roads shall have a minimum unobstructed width of 26 feet, exclusive of shoulders, in the immediate vicinity of the building or portion thereof. One or more of the required access routes meeting this condition shall be located not less than 15 feet and not greater than 30 feet from the building, and shall be positioned parallel to one entire side of the building. The side of the building on which the aerial fire apparatus access road is positioned shall be approved by the fire code official. Code: 2018 IFC Appendix D D105.1 and D105.2. The plans do not appear to conform to this requirement.

3. Approved fire apparatus access roads shall be provided and shall extend to within 150 feet of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility. The fire code official is authorized to increase the dimension of 150 feet under certain conditions as specified in the Fire Code. Code: 2018 IFC Appendix D D105.3. The plans do not appear to conform to this requirement.

4. Overhead utility and power lines shall not be located over the aerial fire apparatus access road or between the aerial fire apparatus road and the building. Other obstructions shall be permitted to be placed with the approval of the fire code official. Code: 2018 IFC Appendix D D105.4. The plans do not appear to conform to this requirement.

5. Provide a new, minimum unobstructed width of 26 feet, autoturn diagram to confirm fire apparatus access. Code: 2018 IFC 503.2.4 and Appendix D D103.3. The plans do not appear to conform to this requirement.

6. Note: "A transmittal letter detailing all the changes from the initial review will be required for any additional reviews".

_____

Round Supervisor

PLAN COMMISSION PC00015-2024
East Country Lane Townhomes
3225-3310 N Old Arlington Heights Rd
Round 2

38. The petitioner's response to comment nos. 11-15, 19, 22-24, 27-33, 35 are acceptable.

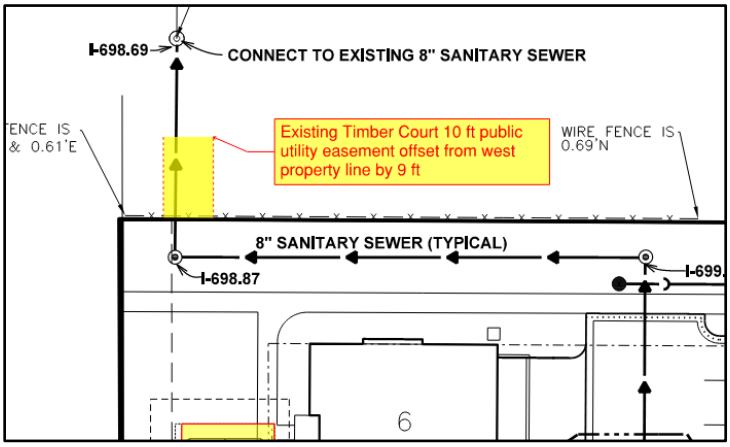
39. The petitioner's response to comment no. 16 regarding the detention calculations is noted.
    a) The preliminary engineering plans will need to be updated to address the subsequent comments on the fire lane/aerial access roads. This may result in modifications to the footprint of the underground storage system and the required volume.
    b) The westernmost section of the underground storage system is located approximately 6 ft from the building. The preliminary stormwater HWL is 702.25, with T/F of 706.17. If there are basements, the plans shall evaluate the potential conflicts with the HWL and the building.

40. The petitioner's response to comment no. 17 is noted. Provide a preliminary stormwater report.

41. The petitioner's response to comment no. 18 is noted. Per comment no. 39, item b), the relocated underground storage system is located approximately 6 ft from the building. Evaluate the potential conflicts with the HWL and the building.

42. The petitioner's response to comment no. 20 is noted.
    a) Provide information on the crossings of the water main with the sanitary sewer and storm sewer.
    b) The water main and sanitary sewer are less than 10 ft apart.
    c) The location of the water main approx. 10 ft from the building may cause future maintenance concerns. It is recommended to shift further away from the building.
    d) Provide valves to be able to isolate the water main into a recommended three sections for isolation purposes for testing and maintenance.

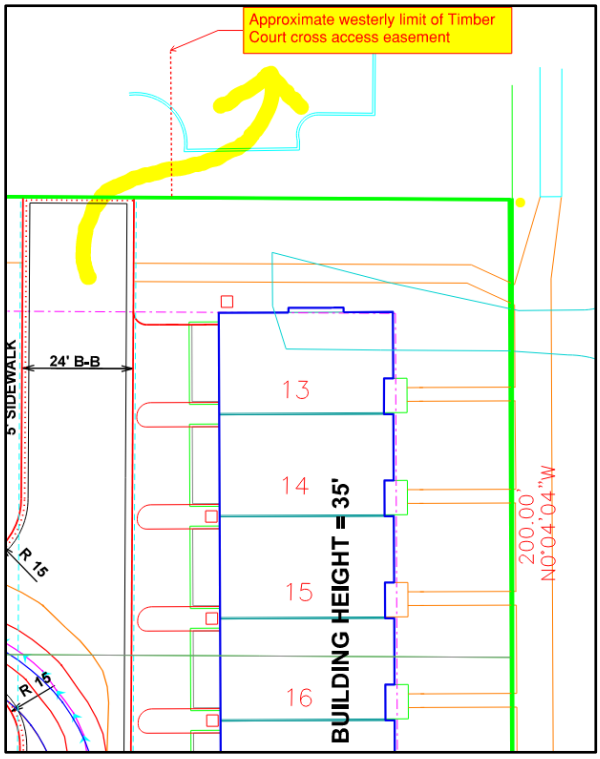
43. The petitioner's response to comment no. 21 is noted. The existing 10 ft public utility easement for the Timber Court development is offset from the west property line 9 ft.
    a) Verify that the existing 10 ft public utility easement (P.U.E.) Doc. 12703394 is located along the west property line of the property. In the event this is the accurate location, provide an additional public utility easement around the structure for the first section of sanitary sewer connecting to the sanitary to the north that will be the maintenance responsibility of the Village. The remaining sanitary sewer will be private.



44. The petitioner's response to comment no. 25 regarding the fire lanes is noted.
    a) All interior lanes will be the fire lane, including the cross access to the Timber Court development. Identify on the plans with cross hatching or shading.
    b) Provide the connection to the Timber Court cross access.

45. The petitioner's response to comment no. 26 is noted. Update the exhibits to show the aerial access road at the width required by the Fire Department and the truck maneuvering through the Timber Court cross access.

46. The petitioner's response to comment no. 34 is noted. The proposed cross access easement for this development is offset from the existing cross access for the Timber Court development and is not acceptable. The alignment shall be adjusted such that a connection can be made within the existing cross access easement.



47. Provide inspection manholes for the underground detention system and a maintenance plan.

48. Regarding the preliminary engineering plans:
    a) The plans shall be stamped by a professional engineer.
    b) Provide the drainage certificate.
    c) Update the sheet index.
    d) Provide rim and inverts for all structures.

Preliminary Plat of Subdivision:

49. Rename the plat to subdivision in lieu of consolidation.
50. Per comment no. 43, verify the location of the P.U.E. Doc. 12703394. Provide an additional P.U.E. if necessary for the public sanitary sewer extension to the site.

51. The subdivision will be one lot, a drainage easement is not required. Remove the drainage easement from the plat.

52. Adjust the cross-access easement to accommodate the aerial access road width, and adjust the alignment to allow for cross access to Timber Court.

Final Plat of Subdivision:

53. The following comments from the Final Plat of Subdivision Checklist shall be addressed:
    a) Item l., an endorsement by the County Clerk in a form acceptable to Cook County, that there are no delinquent, forfeited, foreclosed or purchased general taxes, or unpaid current general taxes, against the land proposed to be subdivided.
    b) Item n., update the boiler plate language on if there will be any additional dedications and protective covenants (second paragraph), fill in the date in paragraph 3, and update the notary certificate per the checklist.
    c) Item q., provide a separate notarized statement for the school districts.
    d) Item r., A certificate in the form as required by the Illinois Department of Transportation.

54. Update the Final Plat with all Preliminary Plat comments.

11/21/24

Michael L. Pagones, P.E. Date
Village Engineer

At permit:

OUMA

SFP
PROPERTIES

Dan Osoba
Planning & Community
Village of Arlington Heights
33 S. Arlington Heights Rd.
Arlington Heights, IL 60005

Dear Dan,

We are in receipt of the Plan Commission Review comments dated November 15th, 2024 and the addendum to those comments dated November 22nd, 2024 from Planning & Community Development, Engineering division, Fire Department, Police Department, Environmental Health and Landscape Planning. This letter is to serve as the summary of the developer's response and will be attached to individual response letters provided by our designers and consultants as applicable. Only responses to outstanding items are provided below. All other items have been acknowledged as complete by staff. Revised plans and/or other documents will be uploaded individually to the self-service portal.

Response to Round 2 Comments Received on November 15th:

GENERAL COMMENTS – November 15th letter:

1-7: See revised civil engineering plan and response letter from Pearson Brown.

PLANNING AND ZONING – November 15h letter:

9(b): Updated preliminary plat of subdivision provided

10(f): Copy of fully executed purchase and sale agreement provided.

15(b): All updated comments and documents are uploaded to the CSS portal concurrently with this response letter.

16(a): Petitioner acknowledges that all above ground utility infrastructure, which is not yet available because it will be designed and built in coordination with the utility companies themselves, shall be located away from public rights-of-way and screened from view.

18: Please see revised landscape plan

19(a-b): See revised architectural site plan and civil engineering plans.

20: See revised architectural plans

SFP
PROPERTIES

23: See revised landscape plan and revised compliance with standards and variations which includes additional variation request.

28(a): See revised site plan and civil engineering plan.

LANDSCPE & TREE PRESERVATION

1: See revised landscape plan

2: See revised landscape plan and revised Compliance With Standards and Variations response.

3-7: See revised landscape plan

Response to Round 2 Interoffice Memorandum Comments Received on November 22nd:

BUILDING & LIFE SAFETY - GENERAL COMMENTS:

1: All currently adopted codes shall apply. See revised architectural plans.

2-6: See Round 2 Addendum Comments Response from Pearson Brown and revised civil engineering plans.

PUBLIC WORKS AND ENGINEERING

38-48: See revised civil engineering plans and civil engineering Round 2 Addendum Response Letter:

49-51: See Plat of Subdivision submitted

52: See proposed plat of easement provided.

53-54: For the purposes of the zoning process, applicant and staff have agreed to proceed with the preliminary plat only. The final Plat of Subdivision will be prepared and submitted subsequent to approval of the PUD.

12: New Plat of Consolidation provided

13: Acknowledged

SFP
PROPERTIES

14: Acknowledged

15: An Onsite Utility Maintenance Agreement will be executed prior to final engineering approval.

16-35: See revised civil engineering plans provided by Pearson Brown along with Engineering Response Letter

36-37: Plat of Consolidation provided

LANDSCAPE PLANNER

1-6: See revised Landscape Plan prepared by Heritage Oaks Studios, LLC

FIRE DEPARTMENT

1-6: See page ___ of revised civil engineering plans prepared by Pearson Brown and civil engineering response letter.

7: See page ____ of revised civil engineering plans prepared by Pearson Brown and civil engineering response letter

POLICE DEPARTMENT

1: Acknowledged

2: Previously submitted photometric plan which conforms to village code

3-5: Acknowledged

6: A “No Trespassing” or similar sign will be installed, a prominent address number will be displayed on the front and back of each unit, recommendations regarding light and landscaping will be adhered to in final landscape and photometric plans, however we do not intend to install emergency telephones. CCTV is under consideration. All trash receptacles are to be stored in the private garages. Barrier fencing has been added to the north and western lot lines. We will ensure there is an up-to-date emergency information/contact card on file with the Arlington Heights Police Department during all phases of construction. Landscaping sshall provide open sightlines to increase natural surveillance.

SFP
PROPERTIES

Thank you in advance for your assistance in this matter and we look forward to continuing to work with you on this project.

Best Regards,

David Schwartz

November 7, 2024

Village of Arlington Heights

SFP
PROPERTIES

Planning & Community Development Department

33 S. Arlington Heights Road

Arlington Heights, IL 60005

Attention: Derek Mach

RE: LANDSCAPE COMMENTS – 3310 OLD ARLINGTON HEIGHTS ROAD (PCA00015-2024)

Dear Derek,

Below you will find my responses to your landscape review comments, in your letter dated 2024-10-14, for the proposed townhome development at 3310 Old Arlington Height Road:

1. Comment: Provide planting buffers along West & North property lines.

   Response: The developer intends to install a 6' high, opaque, vinyl fence in lieu of plantings.

2. Comment: Provide 4" caliper shade trees at the ends of all parking stalls & add a tree to the south end of the stalls.

   Response: 4" trees are now proposed in the end islands where allowed by utilities. Two (2) 4" trees have been relocated to the North property line and indicated as such due to fire hydrant and underground detention locations.

3. Comments: Provide a more detailed planting plan.

   Response: Representative tree species have been added to the plant legend for each tree type proposed for the site. A detailed landscape plan including plan/materials lists will be prepared for final review. The species listed are meant to be representative only and actual species selection may vary pending final engineering and architecture.

4. Comment: Provide additional layered landscaping along Olde Arlington Heights Road & East County Lane.

   Response: Additional layered plantings have been proposed for Old Arlington Heights Road and, as allowed by underground detention, along East County Lane.

5. Comments: Add parkway trees along Old Arlington Heights Road & East County Lane.

   Response: Street Trees have been added to both road frontages at 40' OC, excluding entrance drives along East County Lane. Upright tree species are proposed for the East County Lane frontage due to existing overhead power lines.

SFP
PROPERTIES

6. Comment: Screen all proposed mechanical units.

   Response: The proposed A/C units for each building are now shown on the plans as is the screening methods for each unit.

All of the revisions have been made to landscape plan sheets L-1, L-2 and TP-1. The changes have a revision date of 2024-11-07.

If you have any questions, concerns or comments regarding these revisions, please feel free to reach out to me at any time.

Sincerely,

Ron Plonka

Heritage Oak Studios, LLC

815-531-4415

SFP
PROPERTIES

1850 W. WINCHESTER ROAD, SUITE 205
LIBERTYVILLE, IL 60048-5355
PHONE 847 / 367-6707
FAX 847 / 367-2567

November 7, 2024

Village of Arlington Heights

Public Works & Engineering Department

Attn: Nanci Julius, P.E., Senior Civil Engineer

Re: East Country Lane Townhomes 3225-3310 N. Old Arlington Heights Road
Arlington Heights, Illinois
PCA00015-2024

On behalf of our client, Cornersite, LLC, we are responding to staff comments dated October 14, 2024, for the above project.

PLAN COMMISSION PC00015-2024 East Country Lane Townhomes 3225-3310 N Old Arlington Heights Rd Round 1

11. The petitioner is notified that these comments are being provided to ensure that the project meets the requirements for submittal to the Plan Commission. Approval by the Plan Commission is not an endorsement or approval of these documents to obtain the required building permits, engineering approval, or permits required by other government or permitting agencies for construction. Detailed plan review with associated comments will be provided upon submittal of plans for a building permit. The petitioner shall acknowledge that they accept this understanding.

Comment Noted.

12. The existing property is two separate parcels, a subdivision will be required. The plans must meet all subdivision requirements. Final engineering plans for all public improvements must be approved prior to the final plat of subdivision approval. An Engineers estimate of construction cost for full site improvements is required to complete the calculation for plan review, inspection, and other fees. An Engineers estimate of construction cost for public improvements is also required to complete the calculation for the required public improvement guarantee deposit.

SFP
PROPERTIES

The public improvements for this development will be sanitary sewer, public sidewalk on East Country Lane, and a 10 ft wide multi-use path on Old Arlington Heights Rd. These estimates should be submitted at least three weeks prior to the final Plan Commission meeting to allow us time to generate the fee letter and for the petitioner to assemble the proper documents.

Comment Noted.

13. Final engineering plans shall be georeferenced by using State Plane Coordinate System – Illinois East. Below are details about projection:

Projected Coordinate System: NAD_1983_StatePlane_Illinois_East_FIPS_1201_Feet
Projection: Transverse_Mercator
False_Easting: 984250.00000000
False_Northing: 0.00000000
Central_Meridian: -88.33333333 Scale_Factor: 0.9999
Latitude_Of_Origin: 36.66666667
Linear Unit: Foot_US
Geographic Coordinate System: GCS_North_American_1983
Datum: D_North_American_1983
Prime Meridian: Greenwich
Angular Unit: Degree

Comment Noted. Engineering plans are being prepared on standard State Plane coordinates from the project surveyor.

14. The Final Plat of Subdivision must be reviewed and approved by Engineering prior to final Plan Commission approval. The original signed mylar Final Plat of Subdivision, containing all non-Village signatures, shall be submitted one week before the scheduled date of the final Plan Commission meeting. Village Code Section 29-209 also requires a digital copy of the plat to be provided on disk to the Village. The petitioner shall acknowledge that they accept this understanding.

Comment Noted.

15. The proposed detention facility, storm sewer, water main and sanitary sewer will be private systems and as such will not be the Village's responsibility to maintain. An Onsite Utility Maintenance Agreement must be executed prior to final engineering approval. Please contact the Village Engineer for an editable version of the OUMA.

Developer will execute the required OUMA prior to final engineering approval

16. Plan Commission approval will require preliminary engineering plans including detention calculations showing HWL, storage required, storage provided, and restrictor sizing calculations. Any detention storage system located under pavement must be designed to AASHTO HS-25 loading standard. The Village's allowable release rate is 0.18 cfs/Ac. Use C=0.50 for pervious areas, C=0.95 for impervious areas. Use updated Bulletin 70 rainfall data. Clearly show the overflow route for the site. Minimum restrictor size allowed, for maintenance reasons, is 2". Restrictors between 2" and 4" must be in a trap in a catch basin. Show the location and size of the restrictor. Provide a detail showing the restrictor catch basin. If the restrictor required to meet the allowable release rate is less than 2", calculate the amount of detention storage provided with a 2" restrictor. Subtract this amount from the required storage based on the allowable release rate to show the storage deficiency. This deficiency can be paid as money in lieu of detention at the rate of $1.00 per cubic foot.

SFP
PROPERTIES

The preliminary plans include (on Stormwater Sheet) HWL, storage required, storage provided and restrictor sizing calculations. No storage system is planned for under pavement areas except for connecting pipes. VAH factors have been used for the design. The latest ISWS Bulletin 75 rainfall data has been employed as well. The overflow location is shown on the plans. All proposed storm sewer is planned to be designed to the 100yr return period level during final engineering. The ideal restrictor size is 2.23 inches in diameter, therefore the fee in lieu of requirements will not apply. Since the restrictor is between 2" and 4" in diameter, the controls will feature a trap within a catch basin with a sump as required.

17. Provide a stormwater report.

To be provided during final engineering.

18. The ADS Stormtech system along the west side of the property is located in the public utility easement. This is not acceptable. The entire system must be located outside of the easement.

The proposed system has been relocated as required.

19. An MWRD permit is required.

Understood.

20. The layout of the water main is not acceptable.
a. The water main shall be looped from East Country Lane to Old Arlington Heights Rd.
b. The dead-end fire hydrants are not acceptable.
c. Provide master meters on East Country Lane and Old Arlington Heights Rd.

The water main layout has been revised as requested.

21. The sanitary sewer is proposed to connect to sanitary maintained by Buffalo Grove. This is not acceptable. The proposed development must connect to the Village sanitary sewer located at the southwest corner of the Timber Court development.

The sanitary sewer connection has been revised as requested. Please note to obtain minimum IEPA cover over the sewers, the site needed to be raised and will now have some areas with relatively steep slopes.

22. An IEPA permit will be required for the sanitary sewer and water main extensions.

Understood.

23. An NPDES permit is required for the site development.

Understood.

24. Final subdivision approval will require final engineering plans.

SFP
PROPERTIES

Understood.

25. Fire lanes, where required adjacent to buildings, must meet the pavement dimensions as directed by the Fire Department. Fire lanes require a heavy-duty pavement section. Asphalt pavement section to consist of: 2" Surface, 2-1/4" N-50 Binder, 5" N-50 Binder, and 4" CA-6 Stone Subbase. Concrete driveway apron to be 8" thick.

We have added the required pavement sections to the plans.

26. When on-site fire lanes are required, provide an exhibit to engineering scale showing the turning path of the Fire Department's responding vehicle, in this case the tower truck. Exhibit must show front and rear wheel paths and the extent of the front and rear overhangs, as provided in an "Autoturn" exhibit. The vehicle shall be shown maneuvering through the site in all possible directions of travel, including the cross access with the Timber Court development to the north. Attached are the specifications for the tower apparatus.

An auto-turn exhibit for the main circulaiton route has been provided.

27. Provide stop signs, stop bars and detectable warning panels at the public sidewalk for the entrances off of East Country Lane.

Added as requested.

28. The sidewalk shall carry through the entrances with the curb to stop on either side.

Revised as requested.

29. The sidewalk along Old Arlington Heights Rd shall be removed and replaced with a 10 ft wide concrete multi-use path.

We have replaced the walk with an 8 ft wide concrete multi-use path due to the existing 8ft width of the path that extends offsite to the south.

30. The existing depressed curb on Old Arlington Heights Rd shall be removed and replaced with a full head curb, and the pavement patched a minimum of 2 ft in front of the new curb.

Revised as requested.

31. Old Arlington Heights Rd is in Buffalo Grove and is owned and maintained by the Illinois Department of Transportation (IDOT). Permits will be required from Buffalo Grove and from IDOT for work within the ROW.

Comment Noted.

32. The proposed storm sewer connection is tributary to an existing 24" IDOT culvert and McDonald Creek.

Comment Noted.

33. Show the location of the entrances on the south side of East Country Lane for the Lexington Heritage development.

SFP
PROPERTIES

We have added the locations to the plans as requested.

34. Provide cross access to the Timber Court site.

We have shown our onsite pavement extending to the north property line.

35. Provide a traffic study.

Developer has a traffic study and will provide.

Preliminary Plat of Subdivision:

36. Provide a Preliminary Plat of Subdivision. The Subdivision checklist is attached.

A Preliminary Plat of Subdivision has been prepared by the surveyor and is included with this submittal.

37. For the Final Plat of Subdivision, use the attached Final Plat of Subdivision Checklist. The elementary school district is Consolidated Community School District #25, Township High School District #214, Harper Community College District #512. Add the utility signature blocks.

To be addressed during the final plat phase of the project.

SFP
PROPERTIES

PLAN COMMISSION REVIEW FIRE DEPARTMENT **Village of Arlington Heights Interoffice Memorandum**

GENERAL COMMENTS:

1 IFC 2018 503.1.1 **Buildings and facilities.** Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus access road shall comply with the requirements of this section and shall extend to within 150 feet (45 720 mm) of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility. *Please provide updated drawings showing the fire apparatus access road(s) as well as an autoturn diagram.*

Auto-turns showing the access and circulation routes are included with this submittal.

2 IFC 2018 503.2.1 **Dimensions**. Fire apparatus access roads shall have an unobstructed width of not less than 20 feet (6096 mm), exclusive of shoulders, except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 13 feet 6 inches (4115 mm). *Please provide updated drawings showing fire apparatus access road dimensions.*

Roadway dimensions are on the plans. These units will have driveways with the buildings set back from the access roads. This condition will ensure the elevated balconies above the garages will also be located away from the roads. Therefore, vertical clearance will not be an issue.

3 IFC 2018 D103.1 **Access Road width with a hydrant**. Where a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 feet (7925 mm), exclusive of shoulders.

The relocated hydrants are located near but are off the roadway.

4 IFC 2018 D103.4 **Dead ends**. (As amended by Arlington Heights Municipal Code Article I Section 27-102) Fire apparatus access road dead ends are not allowed unless approved by the Fire Chief. *Please provide updated drawings showing the fire apparatus access road(s).*

The auto-turn exhibits show the roads and route.

5 **Hydrants** – The two proposed hydrants should be located near the entrances to the complex and not in the dead ends on the northeast and northwest corners of the complex. Per Municipal Code, dead ends are not suitable as apparatus access roads.

We have relocated the hydrants to be centrally located and near the access road route.

6 IFC 2018 912.2.1 **Visible Location**. (As amended by Arlington Heights Municipal Code Article I Section 27-102) Fire department connections shall be fully visible and located at the main front entrance of the building and within a maximum travel distance of 100 feet to the nearest fire hydrant or as directed by the Fire Chief or designee. Please provide drawings showing fire department connection locations and distance to nearest fire hydrant(s).

SFP
PROPERTIES

The proposed townhomes will have individual water services for domestic and sprinklers. They will not have FDC's.

7 IFC 2018 D105.1 **Aerial Access Roads Where required**. Where the vertical distance between the grade plane and the highest roof surface exceeds 30 feet (9144 mm), approved aerial fire apparatus access roads shall be provided. For purposes of this section, the highest roof surface shall be determined by measurement to the eave of a pitched roof, the intersection of the roof to the exterior wall, or the top of parapet walls, whichever is greater. *Please provide drawings showing the height of proposed buildings.*

The height of the proposed buildings is included on the Auto-Turn exhibits.

Should you have any questions or concerns, please do not hesitate to contact me.

PEARSON, BROWN & ASSOCIATES, INC.

John F. Cerbus, P.E.

Associate

PLAN COMMISSION REVIEW
FIRE DEPARTMENT

Village of Arlington Heights
Interoffice Memorandum

To:	**Planning & Community Development Dept.**
From:	**Div. Chief Dave Roberts**
Department:	**Fire Department**
File Number:	**PCA00015-2024**
Project:	**3310 N Old Arlington Heights Rd**
Review Round:	**Round 3**
Date:	**December 6th, 2025**

GENERAL COMMENTS:

The Fire Department has no further issues or concerns with the above project.

PLAN COMMISSION PC00015-2024
East Country Lane Townhomes
3225-3310 N Old Arlington Heights Rd
Round 3

55. The petitioner has not provided a response to Round 2 comments. The previous comments are reiterated or expanded upon for the Round 3 review.

56. The petitioner's response to comment no. 16 (Round 2 comment 39) regarding the detention calculations is noted.
    a) The preliminary engineering plans will need to be updated to address the subsequent comments on the drive aisles requiring 24 ft of pavement exclusive of the curb. This may result in modifications to the footprint of the underground storage system and the required volume.
    b) The westernmost section of the underground storage system is located approximately 6 ft from the building. The preliminary stormwater HWL is 702.25, with T/F of 706.17. If there are basements, the plans shall evaluate the potential conflicts with the HWL and the building.

57. The petitioner's response to comment no. 17 (Round 2 comment 40) regarding the preliminary stormwater report is noted.
    a) The HWL of 702.25 is 1.5 ft higher than the top of the chamber (700.75), and higher than the adjacent public sidewalk and parkway. Evaluate the potential for stormwater to bleed out onto the public sidewalk.

58. The petitioner's response to comment no. 18 (Round 2 comment 41) is noted. Per comment no. 39, item b), the relocated underground storage system is located approximately 6 ft from the building. Evaluate the potential conflicts with the HWL and the building.

59. The petitioner's response to comment no. 20 (Round 2 comment 42) is noted.
    a) The location of the water main approx. 10 ft from the building may cause future maintenance concerns. It is recommended to shift further away from the building.
    b) The location of the master meter off of Country Lane has a rim elevation of 702.0. With the proposed HWL of 702.25, the meter pit will fill with water. The location of the master meter is also potentially in conflict with other proposed utilities.

60. The petitioner's response to comment no. 21 (Round 2 comment 43) is noted. The existing 10 ft public utility easement for the Timber Court development is offset from the west property line 9 ft.
    a) Verify that the existing 10 ft public utility easement (P.U.E.) Doc. 12703394 is located along the west property line of the property.

61. The petitioner's response to comment no. 25 (Round 2 comment 44) regarding the fire lanes is noted. The Round 2 comments have been addressed.

62. The petitioner's response to comment no. 26 (Round 2 comment 45) regarding the fire exhibits is noted. Update the exhibits to show the access to the northwesterly dead end.

63. The petitioner's response to comment no. 34 (Round 2 comment 46) on the cross access with Timber Court is noted.

64. A response to comment no. 47 was not provided. Provide inspection manholes for the underground detention system and a project specific maintenance plan.

65. A response to comment no. 48 was not provided, the comments on the preliminary engineering plans have been addressed.

66. Two-way traffic requires a minimum of 24 ft, excluding the flag of the curb. Revise the drive aisles and the cross-access easement.

67. Provide the landscape plan overlayed with the underground Storm Tech system.

68. Provide cross sections from units 19-24 to Country Lane, including the T/F, steps, Storm Tech system, HWL, and the public sidewalk.

69. The proposed elevations and T/F require a significant amount of fill for the overall site.
    a) The proposed T/F for the units 19-24, units 1-4, and 15-18 range approximately from 2 to 4 ft higher than the existing elevations. This results in steep driveways and requiring several steps. Adjust the T/F's to reduce the slope of the driveways and the number of steps.

Preliminary Plat of Subdivision:

70. A response to comment no. 49 was not provided, the preliminary plat has been renamed to Preliminary Plat of Subdivision East Country Lane Townhomes.

71. Per comment no. 43 (Round 2 comment 50), verify the location of the P.U.E. Doc. 12703394. An additional P.U.E. if necessary for the public sanitary sewer extension to the site.

72. A response to comment no. 51 was not provided. The subdivision will be one lot, the previous drainage easement has been removed; however, the preliminary plat shows "Non-Easement Area" for the building. Provide an explanation as to the reason to include this on the preliminary plat.

73. A response to comment no. 52 was not provided. The cross access easement has been provided. Revise the width of the cross access easement to accommodate 24 ft wide pavement width.

Final Plat of Subdivision:

74. A response to comment no. 53 has not been provided. The following comments from the Final Plat of Subdivision Checklist shall be addressed:
    a) Item h., identify the public utility easement with bearings and total square feet.
    b) Item n., the date in paragraph 3 is suggested to be a 25-year period.
    c) Item o., provide the signature line for "APPROVED by Village Collector."

75. A response to comment no. 54 has not bee provided. Update the Final Plat with all Preliminary Plat comments.

76. Label the final plat as the Final Plat of Subdivision.

77. Remove the private drainage easement statement from the Final Plat.

Nanci C Julius 01/13/2025

Nanci C. Julius, P.E. Date
Senior Civil Engineer

At permit:

OUMA

STORMTECH MC-3500 STORAGE SYSTEM:

TOP OF STONE = 702.25 (STORAGE HWL)
TOP OF 45" TALL CHAMBER ELEVATION = 700.75
CHAMBER BOTTOM ELEVATION = 697.00
PERFORATED UNDERDAIN INVERT = 696.00
BOTTOM OF STONE = 695.00

DETENTION PROVIDED 0.70 AC-FT +/-
MWRDGC VOLUME CONTROL PROVIDED = 0.11 AC-FT

Village of Arlington Heights
Interoffice Memorandum

From:	**Dan Osoba / 847-368-5215 / dosoba@vah.com**
Department:	**Planning & Community Development**
File Number:	**PC24-015**
Project:	**East Country Lane Townhomes – 3310 N Old Arlington Heights Road**
Review Round:	**Round 3**
Date:	**January 14, 2025**

	YES	NO
1. COMPLIES WITH COMPREHENSIVE PLAN:	☐	☒
2. COMPLIES WITH THOROUGHFARE PLAN:	☒	☐
3. VARIAITONS NEEDED FROM ZONING REGULATIONS:	☒	☐
4. VARIATIONS NEEDE FROM SUBDIVISION REGULATIONS:	☒	☐
5. SUBDIVISION REQUIRED:	☒	☐
6. SCHOOL/PARK DISTRICT CONTRIBUTION REQUIRED:	☒	☐

*Note: items with ~~strikethrough~~ have been resolved and require no further action.

Zoning:

7. The following zoning approvals have been requested based on a review of the plans. Please verify:
    a. Planned Unit Development (PUD) to allow a 24-unit townhome development consisting of four buildings on one zoning lot.
        ~~i. The petitioner has acknowledged that a PUD is needed. **Complete**~~

    b. Rezoning from the M-1 Research, Development and Light Manufacturing District to the R-6 Multiple-Family Dwelling District.
        ~~i. The petitioner has acknowledged that a rezoning is needed. **Complete**~~

    c. Amendment to the Comprehensive Plan to reclassify the subject property from the "R&D, Manufacturing and Warehouse" classification to the "Moderate Density Multi-Family" classification.
        ~~i. The petitioner has acknowledged that an amendment to the Comprehensive Plan is needed. **Complete**~~

d. Preliminary and Final Plat of Subdivision approval to consolidate the subject property into one lot.
   i. ~~The petitioner has acknowledged that a Preliminary and Final Plat is needed. The petitioner will be providing the Preliminary Plat for review and consideration first; a final plat of consolidation will be submitted after initial Village Board approval of the Preliminary Plat and other associated entitlements.~~ **~~Complete~~**

e. Variation to Section 5.1-6.2.b to allow a 80,150 square foot lot size where a minimum lot size of 84,000 square feet is required (22 dwelling units permitted; 24 dwelling units proposed).
   i. ~~The petitioner has acknowledged that a variation for lot size is needed.~~ **~~Complete~~**

f. Variation to Section 6.12-1(2)a to waive the requirement for a parking study.
   i. ~~The petitioner has provided the parking study. This variation request is not needed.~~ **~~Complete~~**

g. Additional zoning actions may be identified based on a response to these comments.
   i. ~~No further zoning actions were identified during this review.~~ **~~Complete~~**

8. For each variation, a separate response to each four standards for variation approval (listed as Land Use Variation in the Plan Commission Checklist) shall be provided. The response to the variation standards of approval must be modified as it must be specific to each variation requested.
   a. The Project Narrative indicates no variations are required; however, there are several that must be considered (see the times listed above). Please revise the narrative and the justification documents based on the variations called out in this review for upload in the second review.
      i. ~~The petitioner has provided justification for the variation requested for lot size.~~ **~~Complete~~**

   b. Note that the justification letter includes justification for a Special Use Permit and a Land Use Variation. Please note that a Special Use Permit is not required and not pertinent to this application. Utilize the Land Use Variation criteria for approval for *each* variation requested and revise the justification letter.
      i. ~~The petitioner has acknowledged that a Special Use Permit and a Land Use Variation is not required.~~ **~~Complete~~**
      ii. **New 3rd Round Comment**: the written justification provided with this review contains duplicates of each criterion of approval (criterion (a) is listed twice and copied twice in criterion (e)). Ensure that this letter is concise and clear upon reupload.

General:

9. The following documents were not provided as required by chapter 28, Section 9.8 for PUD review:

a. Legal Description (Metes and Bounds for purpose of the new subdivision)
    i. ~~The petitioner has provided a legal description on the Preliminary Plat of Consolidation.~~ **~~Complete~~**

b. Plat of Survey or ALTA Survey (topographical survey is not acceptable)
    i. The petitioner has not provided an updated Plat of Survey or ALTA survey for the site. **Please provide an updated Plat of Survey prior to the Plan Commission hearing in lieu of a topographical survey.**
        1. 3rd Review: The petitioner has not provided an updated Plat of Survey or ALTA survey for this site. Staff is willing to accept the submitted Topographical and Boundary Survey as it matches the proposed Preliminary Plat of Subdivision. **Complete**

c. Master Plan showing streets, lots, parcels, and sites for all uses in the PUD including area proposed to be conveyed, dedicated, or reserved for public uses including parks, playgrounds, and parkways, as well as a brief written statement describing the PUD.
    i. This Master Plan should include the preliminary development schedule that indicates the approximate date of construction start, the number of construction phases, the start date of each phase, and the completion of each phase, and a construction staging plan. The construction staging plan must include material storage area(s), construction worker parking, expected traffic detours/lane closures, and construction entrances.
        1. ~~The petitioner has provided an updated Master Plan illustrating the items requested.~~ **~~Complete~~**

d. The site plan provided includes some of the required elements but is missing the following:
    i. Fire lane(s)
    ii. Free standing sign(s) as applicable
    iii. Trash enclosure(s)
    iv. Floor Area Ratio (150% max)
        1. ~~The petitioner has provided the requested items or acknowledged that they are not applicable to this application.~~ **~~Complete~~**

e. Preliminary Plat of Subdivision: please ensure this document is submitted for review as it will need to be approved with the Planned Unit Development prior to Final Plat approval. Please refer to Section 29-301(b) for requirements of a Preliminary Plat.
    i. ~~The petitioner has provided a Preliminary Plat of Subdivision for review. Review any further comments from other Village Departments and make changes as applicable.~~ **~~Complete~~**

10. The following documents were not provided as required by the Petitioner's Checklist in the Plan Commission Guide:

f. Proof of ownership: the ownership affidavit was signed; however, one item listed in section 2 of the Petitioner's Checklist must be provided for this requirement.
    i. **This comment was not addressed. Please provide the verification of ownership. The response to comments letter indicates an executed purchase agreement was included in the submittal, but it appears it was not uploaded.**
        1. **3rd Review: This comment was still not addressed. The response to comments letter indicates on page 1, item "10(f): Copy of fully execute purchase and sale agreement provided." This document has not been provided in Round 2 or Round 3. Please email me the document directly at the earliest convenience (dosoba@vah.com).**

g. Property Owners List within 250-feet of the property lines of this development, which excludes the rights-of-way.
    ~~i. Property owner list was provided and verified. Further instructions on the public notification requirements will be sent via email.~~ **~~Complete~~**

11. Several items as listed above were not included with this petition. Please ensure that you review the applicable submission requirements for PUDs and the Petitioner's Checklist in the Plan Commission guide.
    ~~a. The petitioner has included the majority of the requested documents.~~ **~~Complete~~**

12. Impact fees shall be required for each new townhome unit.
    ~~a. The petitioner has acknowledged the need for impact fees. The fee schedule will be sent under a separate cover via email and uploaded to the CSS portal.~~ **~~Complete~~**

13. Please revise the project narrative to outline any green or sustainable design features proposed within the development.
    ~~a. The petitioner has identified green or sustainable infrastructure proposed including EV charging in garages.~~ **~~Complete~~**

14. A Plan Commission application fee will be invoiced after this review is sent and must be paid prior to acceptance of the second review.
    ~~a. The Plan Commission fee has been paid in full.~~ **~~Complete~~**

15. Your response to these comments must be uploaded to the CSS portal, along with tall the revised plans. Once the entire resubmittal has been uploaded, please email Dan Osoba at dosoba@vah.com to notify that a resubmittal has been uploaded.
    ~~a. The petitioner provided a response to comments.~~ **~~Complete~~**
    ~~b. The petitioner shall provide any updated documents with a response to comments to the CSS portal as requested in this 2nd Review.~~
    c. **3rd Review: The petitioner shall provide any updated documents with a specific response to all comments included in all 3rd Round reviews**

provided. A specific response includes the following or similar: "See revised architectural plans, sheet [#] where [description of the revision made to fully address the comment]." A detailed response letter will ensure that staff's comments are addressed without needing further reviews.

Site:

16. Provide information on all proposed above ground utility infrastructure (transformers, switchgear, utility pedestals, mechanical units, etc.), which must be located away from public rights-of-way and properly screened from view.
    a. **The petitioner shall acknowledge the location requirements for utility infrastructure as the proposed location is not known currently. This will be recommended as a condition of approval by the SDC.**
        i. 3rd Review: The petitioner has acknowledged the location requirements for utility infrastructure is not yet available as it will be designed and built in coordination with utility companies. The petitioner has also acknowledged that these utilities shall be located away from public rights-of-way and screened from view. A condition of approval to this effect will be recommended by the SDC. **Complete with a condition of approval**

17. Provide information on any proposed dumpster/refuse area. All dumpster/refuse areas must be fully screened within solid, opaque structures and an opaque gate.
    a. ~~The petitioner indicated that there is no common dumpster/refuse area. Trash pick-up will occur for individual units like single-family homes.~~ **~~Complete~~**

18. Provide any information on proposed fencing. If no fencing is proposed, please respond so in this comment.
    a. **Information on proposed fencing has been provided. Additional comments are included in the "Fencing" section below (comments 31-33).**
        i. 3rd Review: The 6-foot PVC fencing shall not encroach into the required front yard (facing Old Arlington Heights Road) and must be setback at least 25-feet from the property line per Section 6.13-3(a). The 6-foot PVC fencing shall not encroach into the corner side yard facing East Country Lane and must be setback a minimum of 5-feet from the property line per Section 6.13-3(b)(2).

19. Provide additional walkway connections from the western row of townhomes to the south to connect to the sidewalk on E. County Lane.
    a. **The location of walkways does not match between the Site Plan prepared by BSB Design and the Preliminary Engineering prepared by Pearson, Brown & Associates, Inc. Verity the correct location and revise both documents to match the location and size.**
        i. 3rd Review: The petitioner has addressed this comment. **Complete**

b. **Comment addition based on revised plans: sidewalks that cross drive aisle need to align. It appears that the sidewalk crossings are not aligned and offset slightly.**
    i. 3rd Review: The petitioner has addressed this comment. **Complete**

20. Please prepare a fire/life safety exhibit that clearly shows the location of all fire lanes/aerial apparatus roads, their width and distance from the building, dimensions of the building along each elevation, the building height, FDC and fire hydrant locations, and details on the proposed construction type for each structure.
    a. ~~**See Fire Department comments for additional details. Complete**~~
    b. **Comment addition based on revised plans: the building height does not match between the Site Plan prepared by BSB Design (shown at 40') and the Project Summary (shown at 35'). Verify the height as approved by the Design Commission and resubmit.**
        i. 3rd Review: The petitioner has addressed this comment. **Complete**

21. Pedestrian cross access should be provided to the west to connect to the Arlington Executive Plaza.
    a. ~~The petitioner has provided pedestrian cross access.~~ ~~**Complete**~~

22. Per the Timber Court approval in 2005, the following condition of approval was incorporated:
    a. A cross-access easement shall be required along the south property line and shall be effectuated at such time when the properties to the south develop.
        i. In order to implement this cross-access, the subject property of this petition must provide reciprocal access back to Timber Court. The petitioner has provided documents that indicate that the petitioner does not feel this is in the best interest. This cross-access was evaluated at the time of Timber Court and found that it was necessary for the continued vehicular connection for future development. Please provide that cross-access or provide detailed analysis that demonstrates the cross-access is unwarranted in an updated traffic study. It is generally the opinion of staff that the cross-access is necessary and will increase connectivity of the development.
            1. ~~The petitioner has provided vehicular cross access on the Preliminary Plat of Consolidation. The easement language and recording of said easement will be reviewed as part of the Final Plat of Consolidation.~~ ~~**Complete; however, future comments may be applicable upon submission of a Final Plat of Subdivision.**~~

Landscaping

23. Provide an additional tree at the south end of the row of guest parking on the west side of the site.
    a. **Staff has reviewed the request to accommodate the tree planting in an alternative location instead of the parking lot island. The alternative location is acceptable as mitigation and justification for a variation request; however, a variation will be required to Section**

6.15-1.2.b is required. Staff is amenable to this request. Please add justification for this request to the Justification for Zoning Variation document.

i. 3rd Review: The petitioner has submitted a variation request and staff is supportive of the request as the required fire hydrants impede the placement of trees within the islands. **Complete**

24. Ensure that landscape plant material installed adjacent to driveway/garage entrances is not taller than 36" as that material will be within the sight visibility triangle (12-feet from the intersection of the driveway and access drives).
    a. ~~The petitioner has provided landscaping material compliant with this requirement.~~ ~~**Complete**~~

25. See additional landscaping comments from Derek Mach.
    a. ~~Please see the comment regarding the variation request above.~~ ~~**Complete**~~

Building & Design

26. A Design Commission application is required and has been satisfied at this point. No further action is required unless significant design changes to the building design are made prior to Village Board approval.
    a. ~~The petitioner has acknowledged the Design Commission portion of this application and reflected revisions based on their approval.~~ ~~**Complete**~~

27. Per the Conceptual Plan Review Staff Report, Public Act #103-0053 was enacted by the Illinois General Assembly, which requires that each unit must have one garage space that is capable of powering an electric vehicle, along with the appropriate panelboard and electrical infrastructure within three feet of a parking space. Please provide details on all green/sustainable features proposed within this development. Staff strongly encourages the integration of these features in the building.
    a. ~~The petitioner has provided a response to green infrastructure, including EV charging.~~ ~~**Complete.**~~

Streetscape Improvements/Infrastructure

28. The Village's Bike and Pedestrian Plan calls for a multi-use pathway (10' wide) along Old Arlington Heights Road, which must be implemented as part of this project. Old Arlington Heights Road is under the jurisdiction of IDOT, and an IDOT permit shall be required for all work within the IDOT right-of-way.
    a. **The petitioner acknowledged this comment; however, the sidewalk width is called out at 8' on the Preliminary Engineering Plan prepared by Pearson, Brown & Associates, Inc. Please revise the plan to reflect the corrected sidewalk width.**
        i. 3rd Review: The petitioner has addressed this discrepancy. **Complete**

Parking & Traffic

29. A variation is required to Section 6.12-1(2)a is required if a parking study is not provided. Considering the proposal is compliant with parking requirements per Village Code, Village staff is amenable to this request. Please provide justification of said request in a revised justification letter.

~~a. The petitioner has provided a traffic and parking study.~~ ~~**Complete**~~

30. The Traffic Study provided is a scope of work proposal from BLA-Inc. to perform the Traffic Study; however, this does not suffice for a traffic study. Please provide a Traffic Study for review that addresses access (location, design, and level of service), on-site circulation including the cross-access, trip generation and distribution, and parking (unless a variance is requested for parking).
    ~~a. The petitioner has provided a traffic study. Comments may be submitted from other departments.~~ ~~**Complete**~~

SFP
PROPERTIES

Dan Osoba
Planning & Community
Village of Arlington Heights
33 S. Arlington Heights Rd.
Arlington Heights, IL 60005

Dear Dan,

This letter is the consolidated response to the Round 3 comments received on January 16th, 2025. All responses from the civil engineer, landscape design and survey teams are incorporated herein.

Only responses to outstanding items are provided below. All other items have been acknowledged as complete by staff. Revised plans and/or other documents will be uploaded individually to the self-service portal.

Engineering:

55. The petitioner has not provided a response to Round 2 comments. The previous comments are reiterated or expanded upon for the Round 3 review.

The prior submittal unintentionally did not include the replies that were prepared and also omitted other submittal items that were prepared.

56. The petitioner's response to comment no. 16 (Round 2 comment 39) regarding the detention calculations is noted.
    a) The preliminary engineering plans will need to be updated to address the subsequent comments on the drive aisles requiring 24 ft of pavement exclusive of the curb. This may result in modifications to the footprint of the underground storage system and the required volume.

Recall that the 26' clear (27' back to back) roadway space was a requirement only if the "aerial fire apparatus road" requirements were triggered by proposed building heights above 30' (IFC 2018 appendix D). Per the fire department this project does not have to comply with the appendix D requirements or meet the unobstructed width requirement of 26' clear based on the height of the buildings we are proposing. These are private aisles and not Village roads within a ROW.

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Also, please understand that IDOT allows 11' wide lanes and 24' clear is more than sufficient for two way traffic for the onsite private roadways. 25' back to back two way streets predominate many areas in nearby municipalities and function well even with large landscape trailers parked up and down both sides many months of the year.

If our proposed condition is determined to be unacceptable to the Village, we will simply just switch our proposed private curb to barrier curb for final engineering to achieve the 24' clear with no increase in impervious coverage.

b) The westernmost section of the underground storage system is located approximately 6 ft from the building. The preliminary stormwater HWL is 702.25, with T/F of 706.17. If there are basements, the plans shall evaluate the potential conflicts with the HWL and the building.

This condition is no longer proposed and has changed as of the 12/18/24 plan date. The system has been relocated further to the west. Please also note that the proposed buildings will not have basements. This was all explained in the replies that were not included with the last submittal.

57. The petitioner's response to comment no. 17 (Round 2 comment 40) regarding the preliminary stormwater report is noted.

a) The HWL of 702.25 is 1.5 ft higher than the top of the chamber (700.75), and higher than the adjacent public sidewalk and parkway. Evaluate the potential for stormwater tobleed out onto the public sidewalk.

The high water is intentionally above the chamber tops. This is how this system is typically constructed, storage in the stone void space above the chambers is counted. We spoke to the manufacturer regarding the perimeter protection, and it can be addressed by either a narrow compacted clay barrier around the perimeter or if need be, an impermeable membrane.

58. The petitioner's response to comment no. 18 (Round 2 comment 41) is noted. Per comment no. 39, item b), the relocated underground storage system is located approximately 6 ft from the building. Evaluate the potential conflicts with the HWL and the building.

This condition is no longer proposed and has changed as of the 12/18/24 plan date.

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The system has been relocated further to the west. Please also note that the proposed buildings will not have basements. This was all explained in the replies that were not included with the last submittal.

59. The petitioner's response to comment no. 20 (Round 2 comment 42) is noted.

    a) The location of the water main approx. 10 ft from the building may cause future maintenance concerns. It is recommended to shift further away from the building.

This condition is no longer proposed and has changed as of the 12/18/24 plan date. The main has been relocated further away from the buildings in most locations.

    b) The location of the master meter off of Country Lane has a rim elevation of 702.0. With the proposed HWL of 702.25, the meter pit will fill with water. The location of the master meter is also potentially in conflict with other proposed utilities.

As described in the reply to comment number 57, the stormwater storage water is planned to be contained inside the perimeter of the system so the meter pit will not fill with water. There appears to be sufficient space for the meter vault and the proposed storm sewer facilities in the current location.

60. The petitioner's response to comment no. 21 (Round 2 comment 43) is noted. The existing 10 ft public utility easement for the Timber Court development is offset from the west property line 9 ft.

    a) Verify that the existing 10 ft public utility easement (P.U.E.) Doc. 12703394 is located along the west property line of the property.

We have a signed and sealed survey from United Survey that shows the existing 10' PUE that is on our property. We have included this with this submittal. In the round 2 comments VAH staff described the location of the offsite PUE located north of our Property. Our 12/18/24 engineering plans reflect this condition for the offsite PUE and a new onsite PUE to contain the first segment of onsite proposed sanitary sewer.

61. The petitioner's response to comment no. 25 (Round 2 comment 44) regarding the fire lanes is noted. The Round 2 comments have been addressed.

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Understood. All fire department comments have been addressed for this project. No response necessary.

62. The petitioner's response to comment no. 26 (Round 2 comment 45) regarding the fire exhibits is noted. Update the exhibits to show the access to the northwesterly dead end.

Recall that the fire department considered the northwesterly aisle a "dead end" as described and we were not allowed to show the vehicle there to attempt to minimize the perimeter hose length runs based on their comments. It is obvious that the apparatus can access the aisle. All fire department comments have been addressed so no update is needed.

63. The petitioner's response to comment no. 34 (Round 2 comment 46) on the cross access with Timber Court is noted.

Understood. No response necessary.

64. A response to comment no. 47 was not provided. Provide inspection manholes for the underground detention system and a project specific maintenance plan.

This also was addressed with the 12/18/24 and previous plans. There are open grate access and inspection structures depicted on the preliminary engineering plans. It is also anticipated that during construction of the system, a number of smaller inspection ports will also be added as these are recommended by the manufacturer. An operation and maintenance plan was intended to be included with the last submittal. We are including it again just in case it was not submitted.

65. A response to comment no. 48 was not provided, the comments on the preliminary engineering plans have been addressed.

Understood. No response is necessary.

66. Two-way traffic requires a minimum of 24 ft, excluding the flag of the curb. Revise the drive aisles and the cross-access easement.

Recall that the 26' clear (27' back to back) roadway space was a requirement only if the "aerial fire apparatus road" requirements were triggered by proposed building heights above 30' (IFC 2018 appendix D). Per the fire department this project does

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not have to comply with the appendix D requirements or meet the unobstructed width requirement of 26' clear based on the height of the buildings we are proposing. These are private aisles and not Village roads within a ROW.

Also, please understand that IDOT allows 11' wide lanes and 24' clear is more than sufficient for two way traffic for the onsite private roadways. 25' back to back two way streets predominate many areas in nearby municipalities and function well even with large landscape trailers parked up and down both sides many months of the year.

If our proposed condition is determined to be unacceptable to the Village, we will simply just switch our proposed private curb to barrier curb for final engineering to achieve the 24' clear with no increase in impervious coverage, or changes needed associated with the cross-access easement.

67. Provide the landscape plan overlayed with the underground Storm Tech system.

The revised landscape plan includes the overlay of the system as requested.

68. Provide cross sections from units 19-24 to Country Lane, including the T/F, steps, Storm Tech system, HWL, and the public sidewalk.

The revised grading plan sheet in the preliminary engineering set includes a section at the location with the most elevation change from the building to the public walk and existing top of curb. Sections at all other locations for the constant T/F building will be able to have slopes slightly less in some spots than on the provided section at the most conservative location.

69. The proposed elevations and T/F require a significant amount of fill for the overall site.

a) The proposed T/F for the units 19-24, units 1-4, and 15-18 range approximately from 2 to 4 ft higher than the existing elevations. This results in steep driveways andrequiring several steps. Adjust the T/F's to reduce the slope of the driveways and the number of steps.

We would also prefer to lower the site, however, <u>this is not at all possible</u> due to the IEPA minimum cover requirements along proposed sanitary sewer. We just barely meet the requirements with the current grading. This situation is caused by the sanitary sewer stub provided for this site from the north project not being

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sufficiently deep to properly serve our site due to the elevation change from north to south on our site.

Preliminary Plat of Subdivision:

70. A response to comment no. 49 was not provided, the preliminary plat has been renamed to Preliminary Plat of Subdivision East Country Lane Townhomes.

The Comment has been addressed, the title was renamed to Preliminary Plat of Subdivision East Country Lane Townhomes

71. Per comment no. 43 (Round 2 comment 50), verify the location of the P.U.E. Doc. 12703394. An additional P.U.E. if necessary for the public sanitary sewer extension to the site.

The location of the P.U.E. Doc. 12703394 has been verified and the Sanitary extension to the site is not included in the existing easement area. However, the Sanitary manhole and the extension to the subject property is located inside the 10' Public Utility Easement per unrecorded "Timber Court Subdivision". Considering the fact the "Timber Court Subdivision" is not recorded yet we are adding a proposed location for a 9x45' P.U.E adjacent the existing 10' Easement.

72. A response to comment no. 51 was not provided. The subdivision will be one lot, the previous drainage easement has been removed; however, the preliminary plat shows "Non-Easement Area" for the building. Provide an explanation as to the reason to include this on the preliminary plat.

The developer is proposing a "Blanket" easement for Public Utilities that covers all areas, excluding the "NEA" for the building, in order to serve the Village and all other utility companies. The "NEA" was included in the Preliminary Plat in accordance with Article II, Section 29-201(b)(11), to define the boundaries of the Blanket easement, which will match the limits shown on the Final Plat. A

73. A response to comment no. 52 was not provided. The cross access easement has been provided. Revise the width of the cross access easement to accommodate 24 ft wide pavement width.

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We can confirm the surveyor did revise the plat to properly accommodate the cross access easement pavement width.

Final Plat of Subdivision:

74. A response to comment no. 53 has not been provided. The following comments from the Final Plat of Subdivision Checklist shall be addressed:
    a) Item h., identify the public utility easement with bearings and total square feet. **Cook County Clerk certificate was added to the Final Plat;**
    b) Item n., the date in paragraph 3 is suggested to be a 25-year period.

Boiler plate language was revised to show a 25-year period;

    c) Item o., provide the signature line for "APPROVED by Village Collector."

"APPROVED" was added to Village Collector Certificate; Notarized statement for School district was added to the Final Plat; IDOT certificate was added to the Final Plat.

75. A response to comment no. 54 has not been provided. Update the Final Plat with all Preliminary Plat comments.

The Final Plat was revised to incorporate all the comments from the Preliminary Plat.

76. Label the final plat as the Final Plat of Subdivision.

Comment has been addressed; final plat title was revised to read Final Plat of Subdivision.

77. Remove the private drainage easement statement from the Final Plat.

Private drainage easement statement was removed from the Final Plat.

Planning & Community Development:

8.

b. Note that the justification letter includes justification for a Special Use Permit and a Land Use Variation. Please note that a Special Use Permit is not required and not pertinent to this application. Utilize the Land Use Variation criteria for approval for *each* variation requested and revise the justification letter.

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i. ~~The petitioner has acknowledged that a Special Use Permit and a Land Use Variation is not required.~~ **~~Complete~~**

ii. **New 3rd Round Comment**: the written justification provided with this review contains duplicates of each criterion of approval (criterion (a) is listed twice and copied twice in criterion (e)). Ensure that this letter is concise and clear upon reupload.

The written justification has been corrected to ensure that it contains no duplicates

10. The following documents were not provided as required by the Petitioner's Checklist in the Plan Commission Guide:

f. Proof of ownership: the ownership affidavit was signed; however, one item listed in section 2 of the Petitioner's Checklist must be provided for this requirement.

i. This comment was not addressed. Please provide the verification of ownership. The response to comments letter indicates an executed purchase agreement was included in the submittal, but it appears it was not uploaded.

1. 3rd Review: This comment was still not addressed. The response to comments letter indicates on page 1, item "10(f): Copy of fully execute purchase and sale agreement provided." This document has not been provided in Round 2 or Round 3. Please email me the document directly at the earliest convenience (dosoba@vah.com).

A fully executed purchase agreement has been provided.

15. Your response to these comments must be uploaded to the CSS portal, along with tall the revised plans. Once the entire resubmittal has been uploaded, please email Dan Osoba at dosoba@vah.com to notify that a resubmittal has been uploaded.

c. 3rd Review: The petitioner shall provide any updated documents with a specific response to all comments included in all 3rd Round reviews

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PROPERTIES

Detailed responses to all remaining comments are contained herein:

18. Provide any information on proposed fencing. If no fencing is proposed, please respond so in this comment.

b. Information on proposed fencing has been provided. Additional comments are included in the "Fencing" section below (comments 31-33).

i. 3rd Review: The 6-foot PVC fencing shall not encroach into the required front yard (facing Old Arlington Heights Road) and must be setback at least 25-feet from the property line per Section 6.13-3(a). The 6-foot PVC fencing shall not encroach into the corner side yard facing East Country Lane and must be setback a minimum of 5-feet from the property line per Section 6.13-3(b)(2).

The location of the fence has been modified so as not to encroach into the required front yard or corner side yard setbacks. See revised landscape plan.

Thank you in advance for your assistance in this matter and we look forward to continuing to work with you on this project.

Best Regards,

David Schwartz

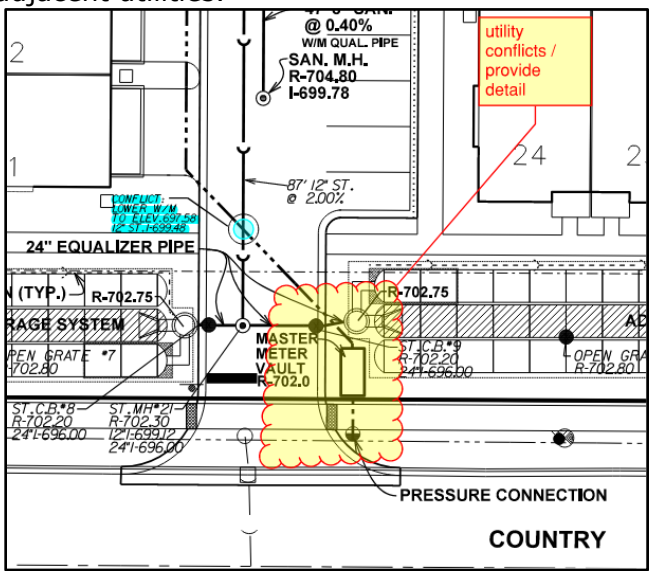
PLAN COMMISSION PC00015-2024
East Country Lane Townhomes
3225-3310 N Old Arlington Heights Rd
Round 4 - Revised

78. The petitioner's response to comment nos. 55, 58, 60-63, 65, 67, 70, 71, and 76 are acceptable.

79. The petitioner's response to comment no. 56 regarding the detention calculations is noted. The preliminary engineering plans will need to be updated to address the subsequent comments on the drive aisles requiring **24 ft of pavement exclusive of the curb.** Municipal Code requires a drive aisle of 24 ft for two-way traffic. This may result in modifications to the footprint of the underground storage system and the required volume.

80. The petitioner's response to comment no. 57 regarding the HWL is higher than the adjacent public sidewalk and parkway.
    a) Provide perimeter protection to ensure water will not bleed out from the underground detention system to the public sidewalk.
    b) The Village has concerns of the viability of locating the underground detention system being located between the sidewalk and the structure. Provide an MWRD preliminary review of the proposed improvements.

81. The petitioner's response to comment no. 59 is noted. The location of the master meter off of Country Lane is also potentially in conflict with other proposed utilities. Provide a detail of the master meter and the adjacent utilities.



82. The petitioner's response to comment no. 64 is noted. Show locations of inspection ports and provide the operation and maintenance plan.

83. The petitioner's response to comment no. 66 is noted. **Two-way traffic requires a minimum of 24 ft, excluding the flag of the curb.** Revise the drive aisles and the cross-access easement.

84. The petitioner's response to comment no. 68 is noted. The cross section did not include the Stormtech system, HWL, or the proposed landscaping between the system and the public sidewalk. Update the cross section.

85. The petitioner's response to comment no. 69 is noted. Although the sanitary sewer profile dictates the elevation at the front of the home and the interior drive aisles, evaluate dropping the brick on the side and rear elevations to lower the overall grading in the rear of the property, reducing the amount of fill required and the number of steps.

Preliminary Plat of Subdivision:

86. The petitioner's response to comment no. 72 is noted. Provide bearings for the NEA areas.

87. The petitioner's response to comment no. 73 is noted. Revise the width of the cross access easement to accommodate 24 ft wide pavement width, exclusive of the curb.

88. Remove the unnecessary line types (ADS Stormtech Storage System, utilities) from the plat. Adjust the line type for the building setbacks to clearly identify the setback from the cross access easement.

Final Plat of Subdivision:

89. The petitioner's response to comment no. 74 is noted. The following comments from the Final Plat of Subdivision Checklist shall be addressed:
    a) Item h., identify the square footage of the public utility easement to be vacated.
    b) Item n., the deed of dedication references water and sewer. All water main, sanitary sewer, storm sewer and detention will be private. The Blanket Public Utility Easement is intended for public utilities (ComEd, Nicor, Comcast, AT&T, etc). Update the deed of dedication.
    c) Item o., provide the signature line for "APPROVED by Village Collector."
    d) Item t., a block stating "Send Tax Bill To: (Name/Address)." The actual name and address shall be provided by the developer.

90. The petitioner's response to comment no. 75 is noted. Update the Final Plat with all Preliminary Plat comments.

91. The petitioner's response to comment no. 77 is noted. Remove the private drainage easement statement from the Final Plat, page 2.

Nanci C Julius 02/24/2025

Nanci C. Julius, P.E. Date
Senior Civil Engineer

At permit:

OUMA

Village of Arlington Heights
Interoffice Memorandum

From:	**Dan Osoba / 847-368-5215 / dosoba@vah.com**
Department:	**Planning & Community Development**
File Number:	**PC24-015**
Project:	**East Country Lane Townhomes – 3310 N Old Arlington Heights Road**
Review Round:	**Round 3**
Date:	**February 14, 2025**

	YES	NO
1. COMPLIES WITH COMPREHENSIVE PLAN:	☐	☒
2. COMPLIES WITH THOROUGHFARE PLAN:	☒	☐
3. VARIAITONS NEEDED FROM ZONING REGULATIONS:	☒	☐
4. VARIATIONS NEEDE FROM SUBDIVISION REGULATIONS:	☒	☐
5. SUBDIVISION REQUIRED:	☒	☐
6. SCHOOL/PARK DISTRICT CONTRIBUTION REQUIRED:	☒	☐

*Note: items with ~~strikethrough~~ have been resolved and require no further action.

Zoning:

7. The following zoning approvals have been requested based on a review of the plans. Please verify:
    a. Planned Unit Development (PUD) to allow a 24-unit townhome development consisting of four buildings on one zoning lot.
        ~~i. The petitioner has acknowledged that a PUD is needed. **Complete**~~

    b. Rezoning from the M-1 Research, Development and Light Manufacturing District to the R-6 Multiple-Family Dwelling District.
        ~~i. The petitioner has acknowledged that a rezoning is needed. **Complete**~~

    c. Amendment to the Comprehensive Plan to reclassify the subject property from the "R&D, Manufacturing and Warehouse" classification to the "Moderate Density Multi-Family" classification.
        ~~i. The petitioner has acknowledged that an amendment to the Comprehensive Plan is needed. **Complete**~~

d. Preliminary and Final Plat of Subdivision approval to consolidate the subject property into one lot.
    i. ~~The petitioner has acknowledged that a Preliminary and Final Plat is needed. The petitioner will be providing the Preliminary Plat for review and consideration first; a final plat of consolidation will be submitted after initial Village Board approval of the Preliminary Plat and other associated entitlements.~~ **~~Complete~~**

e. Variation to Section 5.1-6.2.b to allow a 80,150 square foot lot size where a minimum lot size of 84,000 square feet is required (22 dwelling units permitted; 24 dwelling units proposed).
    i. ~~The petitioner has acknowledged that a variation for lot size is needed.~~ **~~Complete~~**

f. Variation to Section 6.12-1(2)a to waive the requirement for a parking study.
    i. ~~The petitioner has provided the parking study. This variation request is not needed.~~ **~~Complete~~**

g. Additional zoning actions may be identified based on a response to these comments.
    i. ~~No further zoning actions were identified during this review.~~ **~~Complete~~**

8. For each variation, a separate response to each four standards for variation approval (listed as Land Use Variation in the Plan Commission Checklist) shall be provided. The response to the variation standards of approval must be modified as it must be specific to each variation requested.
    a. The Project Narrative indicates no variations are required; however, there are several that must be considered (see the times listed above). Please revise the narrative and the justification documents based on the variations called out in this review for upload in the second review.
        i. ~~The petitioner has provided justification for the variation requested for lot size.~~ **~~Complete~~**

    b. Note that the justification letter includes justification for a Special Use Permit and a Land Use Variation. Please note that a Special Use Permit is not required and not pertinent to this application. Utilize the Land Use Variation criteria for approval for *each* variation requested and revise the justification letter.
        i. ~~The petitioner has acknowledged that a Special Use Permit and a Land Use Variation is not required.~~ **~~Complete~~**
        ii. **New 3rd Round Comment**: the written justification provided with this review contains duplicates of each criterion of approval (criterion (a) is listed twice and copied twice in criterion (e)). Ensure that this letter is concise and clear upon reupload.

General:

9. The following documents were not provided as required by chapter 28, Section 9.8 for PUD review:

a. Legal Description (Metes and Bounds for purpose of the new subdivision)
    i. ~~The petitioner has provided a legal description on the Preliminary Plat of Consolidation.~~ **~~Complete~~**

b. Plat of Survey or ALTA Survey (topographical survey is not acceptable)
    i. The petitioner has not provided an updated Plat of Survey or ALTA survey for the site. **Please provide an updated Plat of Survey prior to the Plan Commission hearing in lieu of a topographical survey.**
        1. ~~3rd Review: The petitioner has not provided an updated Plat of Survey or ALTA survey for this site. Staff is willing to accept the submitted Topographical and Boundary Survey as it matches the proposed Preliminary Plat of Subdivision.~~ **~~Complete~~**

c. Master Plan showing streets, lots, parcels, and sites for all uses in the PUD including area proposed to be conveyed, dedicated, or reserved for public uses including parks, playgrounds, and parkways, as well as a brief written statement describing the PUD.
    i. This Master Plan should include the preliminary development schedule that indicates the approximate date of construction start, the number of construction phases, the start date of each phase, and the completion of each phase, and a construction staging plan. The construction staging plan must include material storage area(s), construction worker parking, expected traffic detours/lane closures, and construction entrances.
        1. ~~The petitioner has provided an updated Master Plan illustrating the items requested.~~ **~~Complete~~**

d. The site plan provided includes some of the required elements but is missing the following:
    i. Fire lane(s)
    ii. Free standing sign(s) as applicable
    iii. Trash enclosure(s)
    iv. Floor Area Ratio (150% max)
        1. ~~The petitioner has provided the requested items or acknowledged that they are not applicable to this application.~~ **~~Complete~~**

e. Preliminary Plat of Subdivision: please ensure this document is submitted for review as it will need to be approved with the Planned Unit Development prior to Final Plat approval. Please refer to Section 29-301(b) for requirements of a Preliminary Plat.
    i. ~~The petitioner has provided a Preliminary Plat of Subdivision for review. Review any further comments from other Village Departments and make changes as applicable.~~ **~~Complete~~**

10. The following documents were not provided as required by the Petitioner's Checklist in the Plan Commission Guide:

f. Proof of ownership: the ownership affidavit was signed; however, one item listed in section 2 of the Petitioner's Checklist must be provided for this requirement.
    i. **This comment was not addressed. Please provide the verification of ownership. The response to comments letter indicates an executed purchase agreement was included in the submittal, but it appears it was not uploaded.**
        1. **3rd Review: This comment was still not addressed. The response to comments letter indicates on page 1, item "10(f): Copy of fully execute purchase and sale agreement provided." This document has not been provided in Round 2 or Round 3. Please email me the document directly at the earliest convenience (dosoba@vah.com).**
            a. 4th Review: The petitioner has provided the necessary proof of ownership. **Complete**

g. Property Owners List within 250-feet of the property lines of this development, which excludes the rights-of-way.
    ~~i. Property owner list was provided and verified. Further instructions on the public notification requirements will be sent via email.~~ ~~**Complete**~~

11. Several items as listed above were not included with this petition. Please ensure that you review the applicable submission requirements for PUDs and the Petitioner's Checklist in the Plan Commission guide.
    ~~a. The petitioner has included the majority of the requested documents.~~ ~~**Complete**~~

12. Impact fees shall be required for each new townhome unit.
    ~~a. The petitioner has acknowledged the need for impact fees. The fee schedule will be sent under a separate cover via email and uploaded to the CSS portal.~~ ~~**Complete**~~

13. Please revise the project narrative to outline any green or sustainable design features proposed within the development.
    ~~a. The petitioner has identified green or sustainable infrastructure proposed including EV charging in garages.~~ ~~**Complete**~~

14. A Plan Commission application fee will be invoiced after this review is sent and must be paid prior to acceptance of the second review.
    ~~a. The Plan Commission fee has been paid in full.~~ ~~**Complete**~~

15. Your response to these comments must be uploaded to the CSS portal, along with tall the revised plans. Once the entire resubmittal has been uploaded, please email Dan Osoba at dosoba@vah.com to notify that a resubmittal has been uploaded.
    ~~a. The petitioner provided a response to comments.~~ ~~**Complete**~~
    ~~b. **The petitioner shall provide any updated documents with a response to comments to the CSS portal as requested in this 2nd Review.**~~

c. **3rd Review: The petitioner shall provide any updated documents with a specific response to all comments included in all 3rd Round reviews provided. A specific response includes the following or similar: "See revised architectural plans, sheet [#] where [description of the revision made to fully address the comment]." A detailed response letter will ensure that staff's comments are addressed without needing further reviews.**
    i. 4th Review: the petitioner's response to comments is adequate. Continue to provide responses to comments from other departments as applicable. **Complete**

Site:

16. Provide information on all proposed above ground utility infrastructure (transformers, switchgear, utility pedestals, mechanical units, etc.), which must be located away from public rights-of-way and properly screened from view.
    a. **The petitioner shall acknowledge the location requirements for utility infrastructure as the proposed location is not known currently. This will be recommended as a condition of approval by the SDC.**
        i. 3rd Review: The petitioner has acknowledged the location requirements for utility infrastructure is not yet available as it will be designed and built in coordination with utility companies. The petitioner has also acknowledged that these utilities shall be located away from public rights-of-way and screened from view. A condition of approval to this effect will be recommended by the SDC. **Complete with a condition of approval**

17. Provide information on any proposed dumpster/refuse area. All dumpster/refuse areas must be fully screened within solid, opaque structures and an opaque gate.
    ~~a. The petitioner indicated that there is no common dumpster/refuse area. Trash pick-up will occur for individual units like single-family homes.~~ **~~Complete~~**

18. Provide any information on proposed fencing. If no fencing is proposed, please respond so in this comment.
    a. **Information on proposed fencing has been provided. Additional comments are included in the "Fencing" section below (comments 31-33).**
        i. 3rd Review: The 6-foot PVC fencing shall not encroach into the required front yard (facing Old Arlington Heights Road) and must be setback at least 25-feet from the property line per Section 6.13-3(a). The 6-foot PVC fencing shall not encroach into the corner side yard facing East Country Lane and must be setback a minimum of 5-feet from the property line per Section 6.13-3(b)(2).
            1. 4th Review: The petitioner's response to this comment has been addressed. The fence terminates 25' away from the eastern property line and 5' away from the south property line. No variance needed. **Complete**

19. Provide additional walkway connections from the western row of townhomes to the south to connect to the sidewalk on E. County Lane.
    a. **The location of walkways does not match between the Site Plan prepared by BSB Design and the Preliminary Engineering prepared by Pearson, Brown & Associates, Inc. Verity the correct location and revise both documents to match the location and size.**
        i. 3rd Review: The petitioner has addressed this comment. **Complete**
    b. **Comment addition based on revised plans: sidewalks that cross drive aisle need to align. It appears that the sidewalk crossings are not aligned and offset slightly.**
        ~~i. 3rd Review: The petitioner has addressed this comment. **Complete**~~

20. Please prepare a fire/life safety exhibit that clearly shows the location of all fire lanes/aerial apparatus roads, their width and distance from the building, dimensions of the building along each elevation, the building height, FDC and fire hydrant locations, and details on the proposed construction type for each structure.
    ~~a. **See Fire Department comments for additional details. Complete**~~
    b. **Comment addition based on revised plans: the building height does not match between the Site Plan prepared by BSB Design (shown at 40') and the Project Summary (shown at 35'). Verify the height as approved by the Design Commission and resubmit.**
        ~~i. 3rd Review: The petitioner has addressed this comment. **Complete**~~

21. Pedestrian cross access should be provided to the west to connect to the Arlington Executive Plaza.
    ~~a. The petitioner has provided pedestrian cross access. **Complete**~~

22. Per the Timber Court approval in 2005, the following condition of approval was incorporated:
    a. A cross-access easement shall be required along the south property line and shall be effectuated at such time when the properties to the south develop.
        i. In order to implement this cross-access, the subject property of this petition must provide reciprocal access back to Timber Court. The petitioner has provided documents that indicate that the petitioner does not feel this is in the best interest. This cross-access was evaluated at the time of Timber Court and found that it was necessary for the continued vehicular connection for future development. Please provide that cross-access or provide detailed analysis that demonstrates the cross-access is unwarranted in an updated traffic study. It is generally the opinion of staff that the cross-access is necessary and will increase connectivity of the development.
            ~~1. The petitioner has provided vehicular cross access on the Preliminary Plat of Consolidation. The easement language and recording of said easement will be reviewed as part of the Final Plat of Consolidation. **Complete; however, future comments may be applicable upon submission of a Final Plat of Subdivision.**~~

Landscaping

23. Provide an additional tree at the south end of the row of guest parking on the west side of the site.
    a. **Staff has reviewed the request to accommodate the tree planting in an alternative location instead of the parking lot island. The alternative location is acceptable as mitigation and justification for a variation request; however, a variation will be required to Section 6.15-1.2.b is required. Staff is amenable to this request. Please add justification for this request to the Justification for Zoning Variation document.**
        ~~i. 3rd Review: The petitioner has submitted a variation request and staff is supportive of the request as the required fire hydrants impede the placement of trees within the islands.~~ ~~**Complete**~~

24. Ensure that landscape plant material installed adjacent to driveway/garage entrances is not taller than 36" as that material will be within the sight visibility triangle (12-feet from the intersection of the driveway and access drives).
    ~~a. The petitioner has provided landscaping material compliant with this requirement.~~ ~~**Complete**~~

25. See additional landscaping comments from Derek Mach.
    ~~a. Please see the comment regarding the variation request above.~~ ~~**Complete**~~

Building & Design

26. A Design Commission application is required and has been satisfied at this point. No further action is required unless significant design changes to the building design are made prior to Village Board approval.
    ~~a. The petitioner has acknowledged the Design Commission portion of this application and reflected revisions based on their approval.~~ ~~**Complete**~~

27. Per the Conceptual Plan Review Staff Report, Public Act #103-0053 was enacted by the Illinois General Assembly, which requires that each unit must have one garage space that is capable of powering an electric vehicle, along with the appropriate panelboard and electrical infrastructure within three feet of a parking space. Please provide details on all green/sustainable features proposed within this development. Staff strongly encourages the integration of these features in the building.
    ~~a. The petitioner has provided a response to green infrastructure, including EV charging.~~ ~~**Complete.**~~

Streetscape Improvements/Infrastructure

28. The Village's Bike and Pedestrian Plan calls for a multi-use pathway (10' wide) along Old Arlington Heights Road, which must be implemented as part of this project. Old Arlington Heights Road is under the jurisdiction of IDOT, and an IDOT permit shall be required for all work within the IDOT right-of-way.
    a. **The petitioner acknowledged this comment; however, the sidewalk width is called out at 8' on the Preliminary Engineering Plan prepared**

by Pearson, Brown & Associates, Inc. Please revise the plan to reflect the corrected sidewalk width.

~~i. 3rd Review: The petitioner has addressed this discrepancy.~~ **~~Complete~~**

Parking & Traffic

29. A variation is required to Section 6.12-1(2)a is required if a parking study is not provided. Considering the proposal is compliant with parking requirements per Village Code, Village staff is amenable to this request. Please provide justification of said request in a revised justification letter.

    ~~a. The petitioner has provided a traffic and parking study.~~ **~~Complete~~**

30. The Traffic Study provided is a scope of work proposal from BLA-Inc. to perform the Traffic Study; however, this does not suffice for a traffic study. Please provide a Traffic Study for review that addresses access (location, design, and level of service), on-site circulation including the cross-access, trip generation and distribution, and parking (unless a variance is requested for parking).

    ~~a. The petitioner has provided a traffic study. Comments may be submitted from other departments.~~ **~~Complete~~**

PLAN COMMISSION PC00015-2024

East Country Lane Townhomes

3225-3310 N Old Arlington Heights Rd

Round 4

Preliminary Plat of Subdivision:

86. The petitioner's response to comment no. 72 is noted regarding the Blanket Public Utility Easement and the Non-Easement Area (NEA). Staff is reviewing if the NEA and the Blanket Public Utility Easement statement should be shown on the plat, or if the Blanket Public Utility Easement can be addressed with the signature blocks. In the event the NEA can be shown on the plat, provide bearings.

87. The petitioner's response to comment no. 73 is noted. Revise the width of the cross access easement to accommodate 24 ft wide pavement width, exclusive of the curb.

88. Remove the unnecessary line types (ADS Stormtech Storage System, utilities) from the plat. Adjust the line type for the building setbacks to clearly identify the setback from the cross access easement.

Final Plat of Subdivision:

89. The petitioner's response to comment no. 74 is noted. The following comments from the Final Plat of Subdivision Checklist shall be addressed:

a) Item h., identify the square footage of the public utility easement to be vacated.
b) Item n., the deed of dedication references water and sewer. All water main, sanitary sewer, storm sewer and detention will be private. The Blanket Public Utility Easement is intended for public utilities (ComEd, Nicor, Comcast, AT&T, etc). Update the deed of dedication.
c) Item o., provide the signature line for "APPROVED by Village Collector."
d) Item t., a block stating "Send Tax Bill To: (Name/Address)." The actual name and address shall be provided by the developer.
90. The petitioner's response to comment no. 75 is noted. Update the Final Plat with all Preliminary Plat comments.

91. The petitioner's response to comment no. 77 is noted. Remove the private drainage easement statement from the Final Plat, page 2.

3225-3310 N Old Arlington Heights Rd
Round 4 - Revised

Preliminary Plat of Subdivision:

86. The petitioner's response to comment no. 72 is noted. Provide bearings for the NEA areas.

87. The petitioner's response to comment no. 73 is noted. Revise the width of the cross access easement to accommodate 24 ft wide pavement width, exclusive of the curb.

88. Remove the unnecessary line types (ADS Stormtech Storage System, utilities) from the plat. Adjust the line type for the building setbacks to clearly identify the setback from the cross access easement.

Final Plat of Subdivision:

89. The petitioner's response to comment no. 74 is noted. The following comments from the Final Plat of Subdivision Checklist shall be addressed:
    a. Item h., identify the square footage of the public utility easement to be vacated.
    b. Item n., the deed of dedication references water and sewer. All water main, sanitary sewer, storm sewer and detention will be private. The Blanket Public Utility Easement is intended for public utilities (ComEd, Nicor, Comcast, AT&T, etc). Update the deed of dedication.
    c. Item o., provide the signature line for "APPROVED by Village Collector."
    d. Item t., a block stating "Send Tax Bill To: (Name/Address)." The actual name and address shall be provided by the developer.

90. The petitioner's response to comment no. 75 is noted. Update the Final Plat with all Preliminary Plat comments.

91. The petitioner's response to comment no. 77 is noted. Remove the private drainage easement statement from the Final Plat, page 2.

PLAN COMMISSION PC00015-2024
East Country Lane Townhomes
3225-3310 N Old Arlington Heights Rd
Round 4

78. The petitioner's response to comment nos. 55, 58, 60-63, 65, 67, 70, 71, and 76 are acceptable.

Understood.

*79. The petitioner's response to comment no. 56 regarding the detention calculations is noted. The preliminary engineering plans will need to be updated to address the subsequent comments on the drive aisles requiring **24 ft of pavement exclusive of the curb.** Municipal Code requires a drive aisle of 24 ft for two-way traffic. This may result in modifications to the footprint of the underground storage system and the required volume.*

As was discussed at our meeting on 2/24/25 we have revised the plans to incorporate 6" barrier curb. This will allow for the required 24' width of HMA pavement and will also not increase impervious coverage.

80. The petitioner's response to comment no. 57 regarding the HWL is higher than the adjacent public sidewalk and parkway.

a) Provide perimeter protection to ensure water will not bleed out from the underground detention system to the public sidewalk.

We have contacted the system manufacturer and this can be solved with a membrane or clay barrier. We have added notes to the section on Sheet 4 calling for this treatment along the southern edge of the system along East Country Lane.

b) The Village has concerns of the viability of locating the underground detention system being located between the sidewalk and the structure. Provide an MWRD preliminary review of the proposed improvements.

We are considering the request for the MWRDGC preliminary review. Based on recommended setbacks for stormwater facilities in the MWRDGC WMO Technical Guidance Manual (TGM), we expect to have no issues with the District.

81. The petitioner's response to comment no. 59 is noted. The location of the master meter off of Country Lane is also potentially in conflict with other proposed utilities. Provide a detail of the master meter and the adjacent utilities.

As discussed at our meeting on 2/24/25 we have added a large scale view of the location to the preliminary engineering set [Sheet C]. The master meter vault detail is also included on this sheet.

82. The petitioner's response to comment no. 64 is noted. Show locations of inspection ports and provide the operation and maintenance plan.

We are including the manufacturer's construction, operation and maintenance plan again with this submittal. Currently we show 12 structures associated with the proposed system that can be used for access, maintenance and observations. There are also optional minor inspection ports are described in the provided maintenance document.

83. The petitioner's response to comment no. 66 is noted. ***Two-way traffic requires a minimum of 24 ft, excluding the flag of the curb.*** *Revise the drive aisles and the cross-access easement.*

Please see response to comment #79, above. We will have a full 24' clear width of HMA pavement between 6" wide and 6" tall barrier curb (no flag).

84. The petitioner's response to comment no. 68 is noted. The cross section did not include the Stormtech system, HWL, or the proposed landscaping between the system and the public sidewalk. Update the cross section.

Please refer to the lower left hand side of Sheet 4. We have added landscaping information to the section as well as requested. Also, another section further to the east is also shown.

85. The petitioner's response to comment no. 69 is noted. Although the sanitary sewer profile dictates the elevation at the front of the home and the interior drive aisles, evaluate dropping the brick on the side and rear elevations to lower the overall grading in the rear of the property, reducing the amount of fill required and the number of steps.

Lowering the adjacent grade is likely problematic for the following reasons. These are slab foundations. Also, we need to maintain proposed finished grades in order to keep our building heights as measured by the International Fire Code below 30'. We cannot trigger the Appendix D requirements with this project.

It appears only two units, 17 & 18, would tend to need more than the typical number of steps but we believe we can address this condition with various options including having a shared service walk running parallel to the building that would access the multi-use path at a higher elevation as was discussed during our 2/24/25 meeting.

Preliminary Plat of Subdivision:

86. The petitioner's response to comment no. 72 is noted regarding the Blanket Public Utility Easement and the Non-Easement Area (NEA). Staff is reviewing if the NEA and the Blanket Public Utility Easement statement should be shown on the plat, or if the Blanket Public Utility Easement can be addressed with the signature blocks. In the event the NEA can be shown on the plat, provide bearings.

87. The petitioner's response to comment no. 73 is noted. Revise the width of the cross access easement to accommodate 24 ft wide pavement width, exclusive of the curb.

Easement width remains valid at 26' and will cover the full 24' wide pavement width, the 6" curb and 6" additional space on each side with the proposed curb type change. The onsite pavement and curb will, of course, be privately maintained.

88. Remove the unnecessary line types (ADS Stormtech Storage System, utilities) from the plat. Adjust the line type for the building setbacks to clearly identify the setback from the cross access easement.

Final Plat of Subdivision:

89. The petitioner's response to comment no. 74 is noted. The following comments from the Final Plat of Subdivision Checklist shall be addressed:

a) Item h., identify the square footage of the public utility easement to be vacated.

b) Item n., the deed of dedication references water and sewer. All water main, sanitary sewer, storm sewer and detention will be private. The Blanket Public Utility Easement is intended for public utilities (ComEd, Nicor, Comcast, AT&T, etc). Update the deed of dedication.

c) Item o., provide the signature line for "APPROVED by Village Collector."

d) Item t., a block stating "Send Tax Bill To: (Name/Address)." The actual name and address shall be provided by the developer.

90. The petitioner's response to comment no. 75 is noted. Update the Final Plat with all Preliminary Plat comments.

91. The petitioner's response to comment no. 77 is noted. Remove the private drainage easement statement from the Final Plat, page 2.

92. The petitioner's response to comment nos. 78, 79, 83, 84, 87 and 88 are acceptable.

93. The petitioner's response to comment no. 80 regarding the HWL and the underground detention system is noted.
    a) The petitioner has indicated that a membrane or clay barrier could be installed to prevent water from bleeding out from the underground detention system. This can be addressed at final engineering.
    b) The petitioner's response to a request for an MWRD pre-application meeting is noted. The preliminary stormwater report and preliminary engineering are being reviewed by an outside consultant. Comments will be provided once they become available.
    c) During the 2/24/25 meeting, it was brought to the attention of the design team the Village's concerns of rim elevations and the potential for overflow at both entrances and at N Old Arlington Heights Road. The applicant also stated concerns of the freeboard requirement by IDOT. **The petitioner shall acknowledge that revisions may be necessary at final engineering to address the stormwater requirements, and that the required revisions may not be known before the petitioner proceeds with preliminary plat approval.**

94. The petitioner's response to comment no. 81 regarding the proximity of the master meter to the underground detention system is noted. Provide dimensions on the detail and provide a cross section. This can be addressed at final engineering.

95. The petitioner's response to comment no. 82 regarding the inspection ports and the operation and maintenance plan is noted. The manufacturer's construction, operation and maintenance plan is not specific to this site.

    a) Provide inspection ports. This can be addressed at final engineering.
    b) Provide a site-specific operation and maintenance plan. This can be addressed at final engineering.

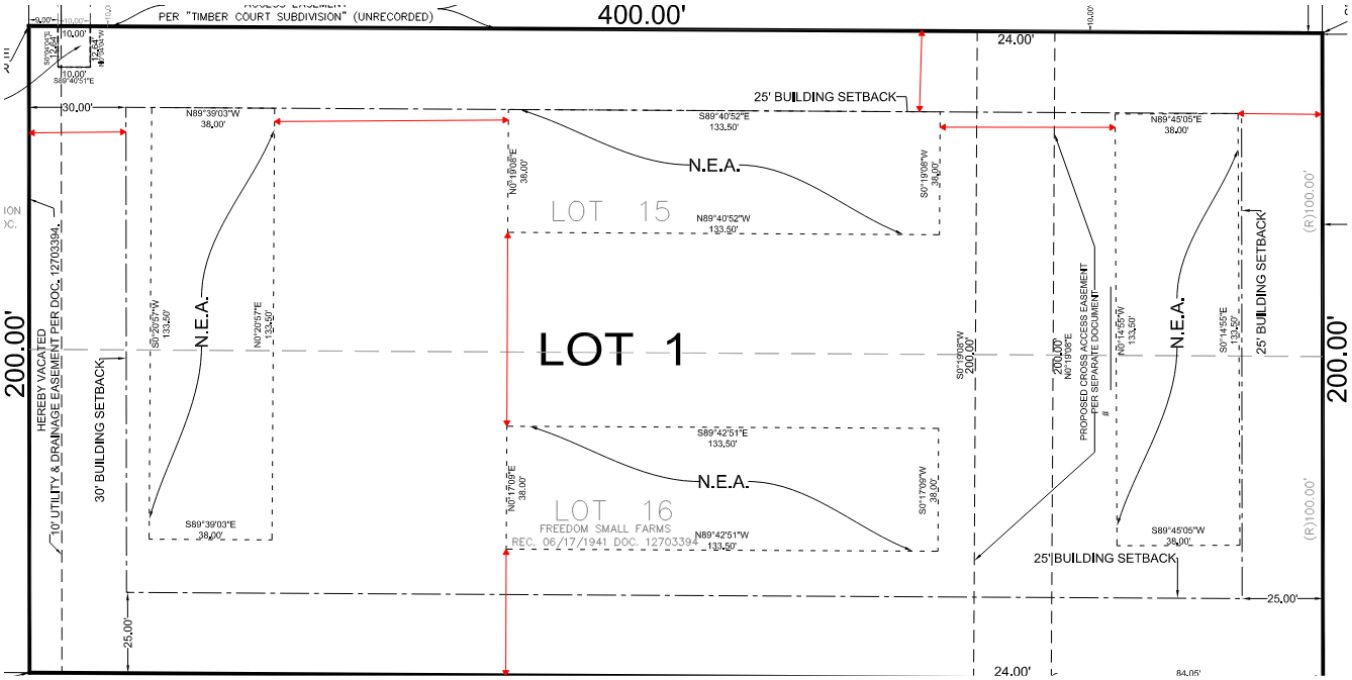
96. The petitioner's response to comment no. 85 is noted. Evaluate a shared service walk or other elements such as retaining walls to lower the amount of fill required and to minimize the area that is draining towards N Old Arlington Heights Rd. This can be addressed at final engineering.

97. The following items discussed during the 2/24/25 meeting shall be addressed at final engineering. The petitioner shall accept this understanding.

    a) Roof drains to be tied into the drainage system.
    b) Provide a construction staging plan
    c) Provide a snow removal plan.
    d) Provide the restrictor detail.

Preliminary Plat of Subdivision:

98. The petitioner's response to comment no. 86 regarding the NEA areas is noted. Provide dimensions for the NEA areas.



99. Provide the public utility easements and square footage for the two master meters.

100. Provide the area of the utility easement to be vacated along the west property line.

101. The petitioner's response to comment nos. 89-91 are noted. A final plat was not provided for review. The petitioner has indicated that they will be pursuing approval of only the preliminary plat at this time. The final plat will be reviewed once the petitioner elects to move forward with the final plat.

Nanci C. Julius 03/06/2025

Nanci C. Julius, P.E. Date
Senior Civil Engineer

PLAN COMMISSION PC00015-2024
East Country Lane Townhomes
3225-3310 N Old Arlington Heights Rd
Round 5

Replies to Round 5 engineering comments March 7, 2025 by Pearson, Brown & Associates, Inc.

92. The petitioner's response to comment nos. 78, 79, 83, 84, 87 and 88 are acceptable.

Understood. No response necessary.

93. The petitioner's response to comment no. 80 regarding the HWL and the underground detention system is noted.

a) The petitioner has indicated that a membrane or clay barrier could be installed to prevent water from bleeding out from the underground detention system. This can be addressed at final engineering.

Comment acknowledged. We will address during final engineering phase.

b) The petitioner's response to a request for an MWRD pre-application meeting is noted. The preliminary stormwater report and preliminary engineering are being reviewed by an outside consultant. Comments will be provided once they become available.

Understood. Comment acknowledged.

c) During the 2/24/25 meeting, it was brought to the attention of the design team the Village's concerns of rim elevations and the potential for overflow at both entrances and at N Old Arlington Heights Road. The applicant also stated concerns of the freeboard requirement by IDOT. **The petitioner shall acknowledge that revisions may be necessary at final engineering to address the stormwater requirements, and that the required revisions may not be known before the petitioner proceeds with preliminary plat approval.**

We acknowledge that revisions may be necessary during final engineering. We also understand that full details of the potential revisions may not be known until the final engineering phase as well.

94. The petitioner's response to comment no. 81 regarding the proximity of the master meter to the underground detention system is noted. Provide dimensions on the detail and provide a cross section. This can be addressed at final engineering.

Comment acknowledged. Dimensions and a cross section will be added during final engineering. Please note, per the VAH master meter vault detail, the vault itself is waterproof.

95. The petitioner's response to comment no. 82 regarding the inspection ports and the operation and maintenance plan is noted. The manufacturer's construction, operation and maintenance plan is not specific to this site.

a) Provide inspection ports. This can be addressed at final engineering.

Comment acknowledged. We will provide inspection ports during final engineering.

b) Provide a site-specific operation and maintenance plan. This can be addressed at final engineering.

Comment acknowledged. We will provide a site-specific operation and maintenance plan during final engineering.

96. The petitioner's response to comment no. 85 is noted. Evaluate a shared service walk or other elements such as retaining walls to lower the amount of fill required and to minimize the area that is draining towards N Old Arlington Heights Rd. This can be addressed at final engineering.

Comment acknowledged. We will evaluate a potential shared service walk or other solutions to minimize steps, potentially lower grade where possible and minimize the area that will drain to N. Old Arlington Heights road. We will also likely add yard drains along the east side to collect as much onsite runoff as possible.

97. The following items discussed during the 2/24/25 meeting shall be addressed at final engineering. The petitioner shall accept this understanding.

a) Roof drains to be tied into the drainage system.

We agree to tie roof drains into the drainage system in key locations for perimeter buildings where runoff may tend to drain offsite unrestricted. Please note our response to comment number 96 where we describe how we will likely be adding yard drains along the east side that will tie into the drainage system as well.

b) Provide a construction staging plan

We agree to provide a construction staging plan during final engineering as requested.

c) Provide a snow removal plan.

We agree to provide a snow "storage/removal" plan during final engineering as requested.

d) Provide the restrictor detail.

The restrictor detail is already included in the preliminary engineering plan set on Sheet S1.

102. The petitioner's response to comment nos. 92-100 are acceptable. The following items shall be provided at final engineering:
    a) For the underground detention system:
        i. Provide a membrane or clay barrier to prevent water from bleeding out.
        ii. Provide the dimensions and a cross section for the master meter in proximity to the underground detention system.
        iii. Provide inspection ports.
        iv. Provide a site-specific operation and maintenance plan.
    b) Evaluate a potential shared service walk or other solutions to minimize steps and to potentially lower the grade and the area that will drain to N. Old Arlington Heights Rd.
    c) Tie the roof drains into the drainage system.
    d) Provide a construction and staging plan.
    e) Provide a snow removal plan.

103. Per the 2/24/25 meeting, the petitioner was notified that the Village was having the Stormwater Management Report and the preliminary engineering plans reviewed by Engineering Resource Associates (ERA). ERA's comments are provided for review. The ERA comments can be addressed at final engineering. **The petitioner shall acknowledge that revisions to the stormwater management plan will be necessary at final plat and final engineering.**

Stormwater Management Report (ERA review):

General:

104. Provide WMO permit application and applicable Schedules.
105. N Old Arlington Heights Road is an IDOT road. Submit documentation of IDOT approval and a copy of the permit to the Village when available.
106. Upon project completion, record drawings of all plan sheets and record drawing calculations for as-built volume of volume control and detention facilities are required.
107. The disturbed area is 1.83 acres which exceeds 1 acre, so a National Pollutant Discharge Elimination System (NPDES) permit is required for discharge of storm water. The owner will need to prepare and implement a Storm Water Pollution Prevention Plan (SWPPP) and submit a Notice of Intent (NOI) in accordance with IEPA General Permit requirements at least 30 days before the start of construction. A signed copy of the SWPPP and a copy of the NOI shall be provided to the IEPA and the Village, and a third signed copy must be kept on the construction site at all times until the ground cover is re-established.

Plans:

108. Include a Soil Erosion and Sediment Control Plan and notes.
109. Include District General Notes plan sheet.
110. Include construction details.
111. Submit a Plat of Survey.
112. Indicate on the Utility Plan whether the N. Arlington Heights Road storm sewer is within a combined sewer area or is tributary to District water reclamation facilities. The volume control facility shall incorporate a backflow prevention device if discharge into a combined sewer system or a storm sewer system that is tributary to District water reclamation facilities.
113. On the Existing Conditions Plan indicate the size of the N. Old Arlington Heights Road storm sewer upstream of proposed connection.
114. On the Existing Conditions Plan show and identify the type, size and invert elevations of all storm sewers on East Country Lane. A catch basin and inlets are shown near N. Old Arlington Heights Road with no connecting storm sewers.

115. On the Utility Plan note the proposed detention chamber system design HWE, detention volume provided and retention volume provided. Note what the cross-hatching on three chambers signifies.
116. On the Utility Plan note the rim elevation and lid type of the proposed outlet control structure.

117. The Outlet Control Structure (OCS) detail states the rim elevation is 703.42 and the overflow plate is at 702.25. There is not enough room to provide overflow clearance over the plate. Provide a minimum of 6" of clearance over the plate. A rim elevation of 703.42 is more than 4' higher than the adjacent south grade of 699.30. The OCS rim elevation is shown as 702.25 on the Grading Plan and also report Exhibit D which does not correlate with the OCS detail.
118. Show all building downspout locations on the Utility Plan.
119. The proposed detention chambers, outlet control structure and storm sewers draining to the chambers, are major stormwater systems and shall be located within a public easement.
120. Ensure that the proposed detention facility location complies with Public Act 86-616.
121. Provide manufacturer plans for the underground storage chambers.

Stormwater Management Report:
122. State the development watershed planning area in the report.
123. Include the FIRM exhibit in the report.
124. There is tributary area north of the development. Include a tributary area exhibit using County contours. Delineate and quantify the offsite tributary area and include this runoff in the proposed stormwater management design.
125. Include a narrative describing the SESC measures.
126. On the cover sheet location map delineate the conveyance route and indicate the sewer system owner of the project stormwater drainage per WMO 303.2.A.1.b.
127. The report states that the proposed hydrologically disturbed area is 1.84 acres and the proposed impervious area is 2.13 acres which appears to be a typo.
128. Per Appendix D, the Gross Allowable Release Rate for Upper Salt Creek Watershed is 0.20 cfs/acre. The calculations use an allowable release rate 0.18 cfs/acre. Clarify how the unrestricted release rate from tributary area 21 is mitigated in the design and include a calculation of the net allowable release rate per WMO 504.5. Runoff south of the entrance drives/detention chambers and the front yards of buildings 13-18 is unrestricted. The development shall mitigate the unrestricted release rate in accordance with WMO 504.6.B.
129. Quantify proposed impervious area that is not tributary to the PCBMP and address how this will be mitigated in the proposed design.
130. Specify any necessary proposed pretreatment measures to protect the functionality of the proposed retention facility per WMO 503.4.A.2.
131. Use the MWRD Bulletin 75 Nomograph spreadsheet (Excel) to calculate the required detention volume.
132. Include a perpetual maintenance plan for the SESC practices, stormwater collection system, volume control practices and detention facility. Describe long term inspection, maintenance and monitoring activities.

Preliminary Plat of Subdivision:

133. The petitioner did not provide a response to comment no. 101. A final plat was not provided for review. The petitioner has indicated that they will be pursuing approval of only the preliminary plat at this time. The final plat will be reviewed once the petitioner elects to move forward with the final plat. This is acceptable.

Nanci C Julius 03/25/2025

Nanci C. Julius, P.E. Date
Senior Civil Engineer

MONTANA WELCH LLC

Thomas J. Condon, Jr., Partner
tcondon@montanawelch.com

March 12, 2025

VIA EMAIL ONLY
Dan Osoba
Village of Arlington Heights
33 S. Arlington Heights Road
Arlington Heights, IL 60005

Re: Timber Court Planned Unit Development ("PUD")

Dear Mr. Osoba,

Our firm represents 3400 Timber Court, LLC ("Timber Court"). We write to you in response to a request from SFP Properties to Timber Court for a "cross-access easement agreement" which they have represented is required of Timber Court as a condition of the PUD created by Ordinance 05-048 ("Ordinance"). Please be advised that Timber Court will not be executing a cross-access easement agreement, nor granting the cross-access right, as requested by SFP Properties. While the Ordinance does contain a condition for a cross-access easement under the heading "Traffic and Parking Conditions", the condition is vague, ambiguous and undefined. The Ordinance does not provide any details regarding the nature and scope of the required cross-access easement agreement and, accordingly, is unenforceable. We are cognizant of the desires of the Village in regulating development within the Village, however, we cannot acquiesce to the cross-access easement as presented.

Should you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Thomas J. Condon, Jr.

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