



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 21, 2025
7:30 PM

- I. CALL TO ORDER
- II. PLEDGE OF ALLEGIANCE
- III. ROLL CALL OF MEMBERS
- IV. APPROVAL OF MINUTES
 - A. 04/07/2025 Village Board Meeting Minutes
- V. APPROVAL OF ACCOUNTS PAYABLE
 - A. 04/15/2025 Warrant Register
- VI. RECOGNITIONS AND COMMUNICATIONS
 - A. Recognition of Outgoing Mayor Thomas Hayes, Trustee Nicolle Grasse and Trustee Richard Baldino
- 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. Boards and Commissions Reappointments
- B. Bond Waiver - St Edna Church
- C. Resolution Approving the Purchase of Pierce Fire Engine
- D. Resolution Approving the Purchase of a Police UTV Vehicle
- E. Ordinance - 2024 General Fund Surplus Transfer
- F. Resolution Approving the Euclid Avenue Watermain Improvement Project
- G. Request for Preliminary Plat Extension - 1821 N. Verde Ave.
- H. Ordinance Amending Comprehensive Plan Map for East Country Lane Townhomes - 3310 N. Old Arlington Heights Rd.
- I. Ordinance Approving Rezoning Property to R-6 District for East Country Lane Townhomes - 3310 N. Old Arlington Heights Rd.
- J. Ordinance Approving a Planned Unit Development and Variations for East Country Lane Townhomes - 3310 N. Old Arlington Heights Rd.
- K. Resolution Approving a Preliminary Plat of Subdivision for East Country Lane Townhomes - 3310 N. Old Arlington Heights Rd.
- L. Resolution Approving Class 6B Incentive for NLN Properties LLC at 543 W. Algonquin Road
- M. Resolution Approving a Property Use Agreement at HBC 800 Rohlwing Road, Rolling Meadows, IL

X. NEW BUSINESS

- A. A Resolution Approving a First Amendment to the Agreement with Hunden Strategic Partners, Inc. for Economic and Market Analytical Services for the Redevelopment of the Arlington International Racecourse Property.
- B. Roast 808 - 3350 W. Salt Creek Ln, Unit 115 - PC25-001
Land Use Variation to allow Bakery Products, Wholesale & Production in the B-3, Comprehensive Plan Amendment, Variation to waive traffic & parking study
- C. Hickory / Kensington Area Tax Increment Financing Redevelopment Project Area 10-Year Status Report

XI. CLOSED SESSION

5 ILCS 120/2(c)(1): appointment, employment, compensation, discipline, performance or dismissal of specific employees of the public body or legal counsel -and- 5 ILCS 120/2(c)(21):

discussion of minutes lawfully closed, whether for purposes of approval of the minutes or the semi-annual review of the minutes

XII. 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.



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
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

President Hayes and the following Trustees responded to roll: Richard Baldino, James Bertucci, Wendy Dunnington, Robin LaBedz, Tom Schwingbeck, Scott Shirley, and Jim Tinaglia. Trustee Nicolle Grasse was absent.

Also present were: Randy Recklaus, Diana Mikula, Hart Passman, Emily Rodman, and Becky Hume.

IV. APPROVAL OF MINUTES

A. 03/17/2025 Village Board Meeting Minutes

Trustee LaBedz moved to Approve. Trustee Dunnington Seconded the Motion.

The Motion: Passed

Ayes: President Hayes, Trustee Baldino, Trustee Bertucci, Trustee Dunnington, Trustee LaBedz, Trustee Schwingbeck, Trustee Shirley, Trustee Tinaglia

Nays: None

Absent: Trustee Grasse

V. APPROVAL OF ACCOUNTS PAYABLE

A. 03/30/2025 Warrant Register

Trustee Bertucci moved to Approve in the amount of \$2,838,780.74. Trustee Schwingbeck Seconded the Motion.

The Motion: Passed

Ayes: President Hayes, Trustee Baldino, Trustee Bertucci, Trustee Dunnington, Trustee LaBedz, Trustee Schwingbeck, Trustee Shirley, Trustee Tinaglia
Nays: None
Absent: Trustee Grasse

VI. RECOGNITIONS AND COMMUNICATIONS

President Hayes voiced his appreciation to those that ran for office in the April 1st Municipal Election. He encouraged those that did not win to try again as the Village is always looking for people who want to serve the community. He noted that there are many ways to serve, including the Village's appointed Boards and Commissions, scout leadership, coaching, Sunday school teaching and serving our seniors.

President Hayes addressed the protest rally that occurred nationwide and here in Arlington Heights this past Saturday. He said he was very proud over the course of his 34 years that partisan politics has been kept out of this Village boardroom. It hasn't happened before, and it's not going to happen this evening.

President Hayes said people have the right to peaceably protest and to assemble. The Village is not in any way intending to infringe on that. However, this constitutional right is not unlimited. Reasonable restrictions can be put in place to ensure public safety. There was a concern after last Saturday that the crowd got onto two main thoroughfares, Arlington Heights Rd. and Northwest Highway, right up to the train station. Bringing 2,000 people in close contact to moving cars and to potentially moving trains creates a potential public safety hazard. We want to make sure any assembly is done without damage to property, and especially without damage to people. That's really our only objective. We learned a lot Saturday afternoon and we're still in the process of determining what the next steps will be in terms of controlling assemblies like this going forward.

Mr. Recklaus said this event ended up being much larger than was anticipated and there was a blockage of a major intersection for about 20–25 minutes. This blockage did not appear to be a planned portion of the demonstration. Staff is looking very thoughtfully at the situation and working with the protest organizers to see what could have been done differently on both sides. The goal is to minimize disruption to the community and allow public safety vehicles to move through the area. This is a good opportunity to look at our policies, practices, and training methods carefully. After evaluation, we'll come back with our observations and thoughts, including what the legal options are.

Trustee LaBedz said she was present Saturday afternoon and the organizers at North School Park were telling people to stay on the sidewalks and to not go into the street. It seems that the protest grew organically as more and more people came who wanted to express their First Amendment rights. The protest in Arlington Heights had not been in the works for too many days and was an alternative location to the one planned in Chicago. She said she witnessed people being very respectful of one another and to the police officers that were there. Trustee LaBedz said she thought it went very well and there was no intent to disturb the public rights of way. Even the people trying to drive through the area seemed to be pretty respectful.

Trustee Dunnington said she was also at the event on Saturday and said the police were fantastic. They were calm, professional, and respectful. She said she was confident that the Police and Fire Departments have a plan for whenever Arlington Heights Rd. and Northwest Highway are blocked, whether by a disabled train or a protest. She said it's important that we respect everybody's First Amendment rights.

Trustee Bertucci said he supported people's right to protest and agreed that the crowd was generally respectful and well-behaved, but he thinks we should have a game plan. It is dangerous with train tracks so close to many people. He said he wants future organizers to understand that Arlington Heights Rd. is a regional thoroughfare for emergency vehicles, not only for our ambulances and fire trucks, but the ambulances for Buffalo Grove, Wheeling, and Palatine as we are home to the regional hospital. He thinks there are things we can do to prevent a 20-to-25-minute blockage of Arlington Heights Rd. He suggested working with organizers in the future to make sure those things don't happen. We want to protect the protesters too, especially when it comes to maintaining some distance from the actual tracks.

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.

Rob Brodecki requested that the Bike and Pedestrian Safety Committee meet more regularly. He said they seem to meet once or twice a year and the Safe Streets Alliance has a lot of ideas that they would like to discuss and investigate.

President Hayes said that the Board is agenda-driven, so they need to have something to talk about. If you have something you would like them to discuss, please forward your idea to the Board, the Village Manager. If we feel it is worthwhile discussing at the Commission level, then we'll put it on their agenda.

Mr. Brodecki said curb cut policy is an issue he would like to discuss. He would like to ensure people are guided into intersections safely, especially those with disabilities.

Bill Manganaro passed along his thanks to the Police Department. They were overwhelmingly helpful. He said the Department's capable and quick response was commendable. He said peaceful does not necessarily mean without disruption. He has a great deal of faith that our emergency services and dispatchers are capable of rerouting emergency vehicles around Arlington Heights Road and Northwest Highway if necessary. He said people are in fear. President Hayes said we're not going to get political. Mr. Manganaro repeated that people are in fear. President Hayes reminded Mr. Manganaro to not get political.

Patrick O'Donnell, Scout Master of Troop 32, and Chief Senior Patrol Leader Thomas O'Donnell expressed their heartfelt gratitude on behalf of their Troop to Mayor Hayes for his dedication to scouting. They presented him with a certificate of appreciation and a crystal eagle statue. President Hayes attended 41 Eagle Courts of Honors for their troop alone.

President Hayes said attending an Eagle Scout Court of Honor is the best part of his job. Not only are the kids so great, but the families that they come from too. He attended his 112th Eagle Scout Court of Honor yesterday afternoon, and has a few more before he completes his term, so he thinks he'll have been at 116 Eagle Scout Courts of Honor. He thanked all those who support scouting and the troop for this special honor.

IX. CONSENT AGENDA

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

Trustee LaBedz moved to Approve. Trustee Baldino Seconded the Motion.

The Motion: Passed

Ayes: President Hayes, Trustee Baldino, Trustee Bertucci, Trustee Dunnington, Trustee LaBedz, Trustee Schwingbeck, Trustee Shirley, Trustee Tinaglia

Nays: None

Absent: Trustee Grasse

- 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

2025-12

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

R2025-048 / A2025-28

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

R2025-049 / A2025-29

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

2025-13

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

R2025-050 / A2025-30

- F. Resolution Approving Parking Garage Rehabilitation Construction Contract

R2025-051 / A2025-31

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

R2025-052

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

R2025-053

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

R2025-054

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

R2025-055

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

R2025-056

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

R2025-057

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

R2025-058

N. Resolution Awarding a Contract for Leak Detection Services

R2025-059

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

R2025-060 / A2025-32

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

R2025-061 / A2025-33

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

R2025-062 / A2025-34

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

2025-14

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

R2025-063 / A2025-35

T. Bond Waiver - Good Neighbors Network

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

2025-15

X. NEW BUSINESS

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

Trustee LaBedz moved to Concur in the Mayor's Appointment. Trustee Bertucci Seconded the Motion.

The Motion: Passed

Ayes: President Hayes, Trustee Baldino, Trustee Bertucci, Trustee Dunnington, Trustee LaBedz, Trustee Schwingbeck, Trustee Shirley, Trustee Tinaglia

Nays: None

Absent: Trustee Grasse

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

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

Trustee Dunnington moved to Concur in the Mayor's Appointment. Trustee Baldino Seconded the Motion.

The Motion: Passed

Ayes: President Hayes, Trustee Baldino, Trustee Bertucci, Trustee Dunnington, Trustee LaBedz, Trustee Schwingbeck, Trustee Shirley, Trustee Tinaglia

Nays: None

Absent: Trustee Grasse

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

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

John Kramer from the Arlington Heights Park District said they are requesting an electronic sign at Northwest Highway and Euclid in front of the Arlington Ridge Center.

Ms. Rodman explained a few variations are necessary for a new proposed sign. They essentially address the location, the distance of the sign from an existing sign, the height of the sign, the size of the electronic message component of the sign, as well as the overall sign size and then the distance of the sign to the adjacent residential neighborhood. She showed the impact of the sign from a visibility standpoint. The Design Commission recommended that the Park District consider a V-shaped sign to improve the visibility to drivers and increase impact. The Park District took their suggestion for action. She showed an exhibit which demonstrated the lack of impact on residential homes as they are requesting some zoning relief from that requirement. The sign will not be visible to those properties.

The sign style mimics the Village's electronic sign at Arlington Heights Road and Northwest Highway. The sign will be heavily landscaped. The Park District addressed the conditions the Design Commission set forth, thus the motion before the Board this evening.

Trustee Dunnington asked what the hours were that the sign would be active. The answer was that, per the Village's Code, illumination is only permitted during the hours which the business is representing.

Trustee LaBedz moved to direct Staff and the Village Attorney to prepare final documents approving the requested relief for consideration at a future Board meeting for PC#24-019, an Amendment to the Comprehensive Plan redesignating 750 W. Northwest Highway

from "Office Only" to "Parks; Rezoning from B-2 General Business District to P-L Public Lands District; an Amendment to the AHPD Planned Unit Development for a development with multiple parcels; and Special Use Permit to allow a "Facility Owned by the Arlington Heights Park District" for 750 W. Northwest Highway, along with the following Variation:

1. Variation to Chapter 28, Section 6.12-1.3 to waive the requirement for a traffic and parking study.

Subject to including the following conditions as recommended by the Staff Development Committee and Plan Commission:

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 them with a 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.

Trustee Schwingbeck Seconded the Motion.

The Motion: Passed

Ayes: President Hayes, Trustee Baldino, Trustee Bertucci, Trustee Dunnington, Trustee LaBedz, Trustee Schwingbeck, Trustee Shirley, Trustee Tinaglia

Nays: None

Absent: Trustee Grasse

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

The second request is for the associated PUD approvals to allow for the sign to be placed on this property at 750 Northwest Highway, which is adjacent to the ARC facility at 660 North Ridge Ave. The Park District purchased this property, and it is currently zoned B-2, General Business. They are seeking a rezoning to Public Lands District to be consistent with the adjacent park property. The Comprehensive Plan designates the property for offices only, so that designation would need to change as well. There are three additional zoning relief requests to the existing Plan Unit Development so that it may have multiple parcels. The property is currently one parcel and this action would add a second parcel to that overall PUD. There is a request for a Special Use Permit to allow a "facility owned by the Park District" to exist in this space. Lastly, there is a variation from the requirement to provide a traffic and parking study.

Trustee Bertucci moved to direct Staff and the Village Attorney to prepare final approval documents of the relief requested as set forth in the Plan Commission's recommendation, the Agenda materials, and the presentation this evening. Trustee LaBedz Seconded the Motion.

The Motion: Passed

Ayes: President Hayes, Trustee Baldino, Trustee Bertucci, Trustee Dunnington, Trustee LaBedz, Trustee Schwingbeck, Trustee Shirley, Trustee Tinaglia

Nays: None

Absent: Trustee Grasse

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

Laurence Freedman, attorney for SFP Properties, explained their proposal for a 24-unit town home development accompanied by a rezoning to R-6. This requires a change in the Comprehensive Plan and two minor variations.

Ms. Rodman said the property is currently zoned as an M-1 Research, Development, and Light Manufacturing District. Their request requires an adjustment to the Comprehensive Plan designation to be multifamily in accordance with the adjacent uses. The proposed use would change the zoning to multifamily and would be consistent with the other uses along the corridor. There are four other items that are being requested; a Planned Unit Development governing the 24-unit proposed town home development, a preliminary plat of subdivision to consolidate the property into a single lot, a variation for the lot size because of density, and a variation for two trees to be relocated from landscape islands to make way for Village required fire hydrants. Those trees will be planted elsewhere on the property.

The buildings are oriented inward in terms of the garage and the traffic flow. Each unit will have 3 bedrooms and a 2-car garage. The site has sufficient parking per our Code. Parking is within the garages with an additional 10 visitor parking stalls on the site. They can also park additional cars in the driveways.

The Design Commission recommended approval of the proposed development and had a number of items that they asked the developer to consider related to the overall design of the development. These are things that will be submitted at a later point in time. Typically staff would review at the time of permit, but the developer has indicated that they're amenable to considering these recommendations. The Housing Commission also reviewed this proposal as it relates to compliance with the Village's Inclusionary Housing Ordinance and found the proposed development complies. They will be designating 1 unit as affordable housing and then, for the .2 balance of a unit, they will be paying a fee in lieu of that, so they will be fully in compliance. The Plan Commission recommended approval of this project with 13 conditions. The petitioner has addressed the first seven. There are six remaining. They have been working to address the staff requests and the other recommendations of the Commission.

President Hayes questioned the dispute regarding the cross-access easement with Timber Court. He said Timber Court is saying that they don't think they need to do it. What plan is there to enforce that down the road? Ms. Rodman said in the 2005 approval of the Timber Court Subdivision there was a note related to the requirement to provide a cross-access easement to this property when it was developed. The Board at the time felt it was important. Staff also believe that this is an important piece to maintain. It helps reduce curb cuts on Old Arlington Heights Road and provides secondary access through this development. It's also critical for the fire and ambulance service. This is something that we have continued to push the petitioner on. The petitioner is amenable to making that connection, so it is something that we intend to continue to work on with them.

Mr. Passman said this is only the preliminary plat approval, but the goal is to find a way to secure the cross access, assuming the Board still agrees. He would like to find a way to secure that cross-access easement because of all the goals Director Rodman stated and to be in accordance with the obligations from 2005. The situation does need to be resolved before this is finally approved in one way or another.

Mr. Freedman acknowledged there is an objection from Timber Court that has to be resolved, but it shouldn't slow them down. It would be unfair to delay them as they're in compliance.

Tom Condon, attorney for Timber Court, said the cross-access was a non-starter. The proposed connection is not in the same area as the original cross-access easement. He believes the ordinance is unenforceable because of this relocation. There's already a curve out there. You're not eliminating a curb cut, you're actually eliminating one that's already there. It just doesn't line up and wasn't contemplated in the 2005 ordinance.

Mr. Passman said one of the recommended conditions on this petitioner is to provide a cross-access easement, so we certainly would have the ability to require that condition at final plat approval. Mr. Passman said he understands that the access easement that was contemplated in 2005 is in a slightly different location. Ideally, we would try to work out a design to address each party's needs and concerns. He believes the condition of the 2005 approval for Timber Court is enforceable. We don't need to solve it tonight, but it may hold up final approval. Mr. Recklaus agreed.

Mr. Freedman said there's a lot that we can do to either reach an agreement or look at options between now and the final.

Trustee Bertucci said he hoped all parties could work out the cross access. He asked if there were any concerns about any surrounding residential areas. Ms. Rodman said there was one Buffalo Grove resident that raised concerns about potential traffic generation. After reviewing the traffic and parking study, the anticipated levels of service will not be impacted, and it will not negatively impact the traffic flow in the area.

Trustee LaBedz acknowledged that these are rental townhomes. She asked if the developer would be the property manager. Mr. Freedman said yes, that's the intent for the foreseeable future. Trustee LaBedz asked if the units were converted to condominiums, what would the process be? Ms. Rodman said they would need to subdivide the property into individual pins so that each unit could be sold to a separate property owner. At that point, we would likely require some sort of HOA to be established to provide a mechanism for maintenance of the common areas.

Trustee Tinaglia noted that for this cross-access easement, it appears that the petitioner will take care of the development of the asphalt. Who will pay for the construction once it goes north of the property line into the Timber Court property? Mr. Freedman said they were willing to assume that cost. Trustee Tinaglia concluded that it's not a question of having the homeowner's association from Timber Court pay for that asphalt modification and the curb cut. He said he will want to know why Timber Court is having trouble accepting the proposed easement. He recommended that staff and the representative attorneys work out an agreement.

Trustee Dunnington said the sidewalk will be improved and widened on Old Arlington Heights Road and asked if we could ask Buffalo Grove to connect to our sidewalk for pedestrians and cyclists. Mr. Recklaus said that was the intention, and staff is in

communication on the issue.

Trustee LaBedz moved to direct staff and the Village Attorney to prepare final documents approving the request requested relief or consideration of a future Board meeting for PC24-015 Planned Unit Development to allow 24-unit town home development of four buildings on one zoning lot a rezoning from the M-1 district to the R-6 Multiple Family Dwelling District, an amendment to the Comprehensive Plan, re-classification to the Moderate Density, Multifamily Classification and a Plat of Subdivision to consolidate the subject property into one lot, with the two requested variations, and the 10 conditions as recommended by the Staff Development Committee and the Plan Commission. Trustee Baldino Seconded the Motion.

The Motion: Passed

Ayes: President Hayes, Trustee Baldino, Trustee Bertucci, Trustee Dunnington, Trustee LaBedz, Trustee Schwingbeck, Trustee Shirley, Trustee Tinaglia

Nays: None

Absent: Trustee Grasse

XI. ADJOURNMENT

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Trustee Baldino moved to Adjourn at 8:38 p.m. Trustee LaBedz Seconded the Motion.

The Motion: Passed

Ayes: President Hayes, Trustee Baldino, Trustee Bertucci, Trustee Dunnington, Trustee LaBedz, Trustee Schwingbeck, Trustee Shirley, Trustee Tinaglia

Nays: None

Absent: Trustee Grasse

Becky Hume, Village Clerk

[MIN FOOT]



**VILLAGE OF ARLINGTON
HEIGHTS
WARRANT REGISTER FOR
CHECK DATE: 4/15/2025**

Fund	Fund Description	Total Transaction Amount
101	GENERAL FUND	\$400,972.10
227	FOREIGN FIRE INS TAX FUND	\$1,527.50
231	CRIMINAL INVESTIGATION FD	\$55,180.04
235	MUNICIPAL PARKG OPR FUND	\$19,253.22
264	TIF V	\$1,219.75
401	CAPITAL PROJECTS FUND	\$55,880.45
426	STORM WATER CONTROL FUND	\$8,624.00
505	WATER AND SEWER FUND	\$1,720,772.33
506	LEAD SERVICE LINE REPL FUND	\$51,106.80
511	SOLID WASTE FUND SWANCC	\$152,789.00
515	ARTS ENTERT & EVENTS FUND	\$122,796.98
605	HEALTH INSURANCE FUND	\$991,611.61
621	FLEET OPERATIONS FUND	\$89,829.70
625	TECHNOLOGY FUND	\$218,845.22
715	GUARANTY DEPOSITS FUND	\$2,200.00
721	ESCROW DEPOSITS FUND	\$1,000.00
TOTAL ALL FUNDS		\$3,893,608.70

VILLAGE OF ARLINGTON HEIGHTS

WARRANT REGISTER

CHECK DATE: 4/15/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
NON DEPARTMENTAL					
311684	715-0000-220930-	HARDROCK DESIGN INC	BOND REFUND-REC-010121-2025	\$200.00	\$200.00
311685	715-0000-220930-	JACK SCAPIN	BOND REFUND-REC-010119-2025	\$200.00	\$200.00
311686	715-0000-220930-	JEFFREY BURNS	BOND REFUND-REC-010116-2025	\$200.00	\$600.00
311686	715-0000-220930-	JEFFREY BURNS	BOND REFUND-REC-010116-2025	\$200.00	
311686	715-0000-220930-	JEFFREY BURNS	BOND REFUND-REC-010116-2025	\$200.00	
311687	715-0000-220930-	JRC DESIGN BUILD	BOND REFUND-REC-010118-2025	\$200.00	\$1,200.00
311687	715-0000-220930-	JRC DESIGN BUILD	BOND REFUND-REC-010118-2025	\$200.00	
311687	715-0000-220930-	JRC DESIGN BUILD	BOND REFUND-REC-010118-2025	\$500.00	
311687	715-0000-220930-	JRC DESIGN BUILD	BOND REFUND-REC-010118-2025	\$500.00	
311700	721-0000-231008-	RANIERI'S LANDSCAPING SERVICE	WATER METER DEPOSIT REFUND	\$1,000.00	\$1,000.00
902556	101-0000-210820-	SONTIQ	FEBRUARY ID PROTECTION	\$573.57	\$573.57
902560	101-0000-210910-	EMPLOYEE BENEFITS CORP	HEALTH/DEPENDENT CARE FSA	\$929.24	\$14,104.13
902560	101-0000-210910-	EMPLOYEE BENEFITS CORP	HEALTH/DEPENDENT CARE FSA	\$12,574.14	
902560	101-0000-210930-	EMPLOYEE BENEFITS CORP	HEALTH/DEPENDENT CARE FSA	\$600.75	
902564	101-0000-210910-	EMPLOYEE BENEFITS CORP	HEALTH CARE FSA	\$4,442.68	\$4,442.68
902568	605-0000-471230-	BLUE CROSS BLUE SHIELD OF	MEDICAL/DENTAL 3/16-3/31	(\$100,849.31)	(\$100,849.31)

Department 0000

VILLAGE OF ARLINGTON HEIGHTS

WARRANT REGISTER

CHECK DATE: 4/15/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
ILLINOIS					
902570	101-0000-210910-	EMPLOYEE BENEFITS CORP	HEALTH/DEPENDENT CARE FSA	\$4,719.40	\$5,219.15
902570	101-0000-210930-	EMPLOYEE BENEFITS CORP	HEALTH/DEPENDENT CARE FSA	\$499.75	
DEPARTMENT 0000 TOTAL:				(\$73,309.78)	

VILLAGE OF ARLINGTON HEIGHTS
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Department 0101

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
BOARD OF TRUSTEES ADMIN					
311587	101-0101-521650-	CAPTION FIRST INC	CAPTIONING SERVICES	\$318.00	\$318.00
311590	101-0101-530010-	CHICAGO TRIBUNE	SUBSCRIPTION	\$186.99	\$186.99
311646	101-0101-521650-	KOZIOL REPORTING SERVICE	TRANSCRIBING SERVICES	\$800.00	\$800.00
DEPARTMENT 0101 TOTAL:				\$1,304.99	

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
INTEGRATED SERVICES ADMIN					
311578	515-0201-540550-	BLOOZE BROTHERS BAND	SOUNDS OF SUMMER CONCERT	\$2,500.00	\$2,500.00
311586	101-0201-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	\$13.19	\$13.19
311647	515-0201-540550-	KRAWCZYKOWSKI, MARK	SOUNDS OF SUMMER CONCERT	\$2,000.00	\$2,000.00
311658	401-0201-520050-	MAC STRATEGIES GROUP INC	PROFESSIONAL SERVICES	\$10,000.00	\$10,000.00
311668	515-0201-540550-	MICHAEL MENOLASCINO	SOUNDS OF SUMMER CONCERT	\$2,000.00	\$2,000.00
311669	515-0201-540550-	MICHAEL TERSON	SOUNDS OF SUMMER CONCERT	\$1,500.00	\$1,500.00
311682	101-0201-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$7.88	\$1,001.39
311682	101-0201-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$51.63	
311682	101-0201-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$56.29	
311682	101-0201-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$885.59	
311711	515-0201-540550-	SNOWGIRL PRODUCTIONS LLC	SOUNDS OF SUMMER CONCERT	\$3,500.00	\$3,500.00
311713	515-0201-540550-	SPEARS, REID	SOUNDS OF SUMMER CONCERT	\$1,900.00	\$1,900.00
311725	515-0201-540550-	THE RIGHT STUFF ENTERTAINMENT, INC.	SOUNDS OF SUMMER CONCERT	\$3,300.00	\$6,800.00
311725	515-0201-540550-	THE RIGHT STUFF ENTERTAINMENT, INC.	SOUNDS OF SUMMER CONCERT	\$3,500.00	

Department 0201

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
311726	515-0201-540550-	THE THROWBACKS	SOUNDS OF SUMMER CONCERT	\$1,500.00	\$1,500.00
311729	515-0201-540550-	TOM CAREY MUSIC INC	SOUNDS OF SUMMER CONCERT	\$3,000.00	\$3,000.00
311734	515-0201-540550-	VALIUS, LLC	SOUNDS OF SUMMER CONCERT	\$1,500.00	\$1,500.00
311749	101-0201-522700-	VERIZON WIRELESS	ACCT 88534852600001	\$94.25	\$94.25
311757	515-0201-540550-	Y2K CHICAGO LLC	SOUNDS OF SUMMER CONCERT	\$1,800.00	\$1,800.00
DEPARTMENT 0201 TOTAL:				\$39,108.83	

VILLAGE OF ARLINGTON HEIGHTS
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Department 0301

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
HUMAN RESOURCES ADMIN					
					\$58.44
311563	101-0301-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	\$23.50	
311563	101-0301-540700-	AMAZON COM CAPITAL SERVICES	EVENT SUPPLIES	\$34.94	
					\$20.85
311586	101-0301-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	\$20.85	
					\$46.40
311744	101-0301-522700-	VERIZON WIRELESS	ACCT 28544404900001	\$46.40	
					\$316,122.89
902561	605-0301-520600-	HMO ILLINOIS	APRIL 2025 PREMIUM	\$316,122.89	
					\$628,172.87
902568	605-0301-542750-	BLUE CROSS BLUE SHIELD OF ILLINOIS	MEDICAL/DENTAL 3/16-3/31	\$602,071.16	
902568	605-0301-542770-	BLUE CROSS BLUE SHIELD OF ILLINOIS	MEDICAL/DENTAL 3/16-3/31	\$26,101.71	
					\$148,165.16
902569	605-0301-520550-	BLUE CROSS BLUE SHIELD OF ILLINOIS	ADMIN FEES	\$148,165.16	
DEPARTMENT 0301 TOTAL:				\$1,092,586.61	

VILLAGE OF ARLINGTON HEIGHTS
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Department 0501

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
FINANCE ADMIN					
					\$216.00
311610	101-0501-522010-	DAILY HERALD	ADVERTISING	\$105.30	
311610	101-0501-522010-	DAILY HERALD	ADVERTISING	\$110.70	
					\$153.43
311662	101-0501-530350-	MELISSA GALLAGHER	CLOTHING & APPAREL	\$153.43	
					\$400.00
311675	101-0501-521650-	NICK BUCHANAN	REIMBURSEMENT	\$400.00	
					\$403.59
311682	101-0501-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$200.66	
311682	101-0501-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$202.93	
					\$1,020.00
311694	101-0501-522050-	POSTMASTER ARLINGTON HEIGHTS	PERMIT FEE BR 184001	\$1,020.00	
					\$935.68
311695	101-0501-522050-	POSTMASTER ARLINGTON HEIGHTS	POSTAGE REPLENISHMENT FOR PERMIT 2594	\$935.68	
					\$15,000.00
311710	101-0501-520050-	SIKICH CPA LLC	PROFESSIONAL SERVICES	\$15,000.00	
					\$7.34
311737	101-0501-522700-	VERIZON WIRELESS	ACCT 38508581800001	\$7.34	
					\$4,393.52
902566	101-0501-522050-	CITIBANK	MARCH POSTAGE	\$4,393.52	
			DEPARTMENT 0501 TOTAL:	\$22,529.56	

VILLAGE OF ARLINGTON HEIGHTS
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Department 0601

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
INFORMATION TECHNOLOGY ADMIN					
					\$111.83
311563	625-0601-530050-	AMAZON COM CAPITAL SERVICES	OFFICE EQUIPMENT	\$17.95	
311563	625-0601-550100-	AMAZON COM CAPITAL SERVICES	OFFICE EQUIPMENT	\$93.88	
					\$109,172.84
311611	625-0601-520390-	DELL MARKETING LP	OFFICE EQUIPMENT	\$109,172.84	
					\$120.44
311682	625-0601-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$59.12	
311682	625-0601-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$61.32	
					\$33.60
311722	625-0601-522700-	T MOBILE USA INC	ACCT 204947087	\$33.60	
					\$2,171.28
311746	625-0601-522700-	VERIZON WIRELESS	ACCT 68500580500001	\$2,171.28	
					\$947.85
311747	625-0601-522700-	VERIZON WIRELESS	ACCT 98726153700001	\$947.85	
					\$20,033.03
902565	625-0601-520050-	MUNICIPAL GIS PARTNERS INC	GIS SERVICES	\$20,033.03	
					\$86,254.35
902567	625-0601-520390-	OPENGOV, INC	BUDGET SOFTWARE 2025	\$86,254.35	
			DEPARTMENT 0601 TOTAL:	\$218,845.22	

VILLAGE OF ARLINGTON HEIGHTS
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Department 1008

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
BOARDS & COMM FIRE & POL COMM					
311602	101-1008-520750-	CONRAD POLYGRAPH INC	PROFESSIONAL SERVICES	\$400.00	\$400.00
DEPARTMENT 1008 TOTAL:				\$400.00	

VILLAGE OF ARLINGTON HEIGHTS
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Department 1018

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
BOARDS & COMM SPECIAL EVENTS					
311570	515-1018-540550-	ARLINGTON RENTAL INC	SWING INTO SPRING	\$1,308.80	\$1,308.80
311579	515-1018-540550-	BOUNCE HOUSES R US LLC	SWING INTO SPRING - ENTERTAINMENT	\$1,388.00	\$1,388.00
311631	515-1018-540550-	GLOWBY THE BUBBLER	SWING INTO SPRING - ENTERTAINMENT	\$675.00	\$675.00
DEPARTMENT 1018 TOTAL:				\$3,371.80	

VILLAGE OF ARLINGTON HEIGHTS
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Department 2005

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
SPECIAL EVENTS METROPOLIS THTR					
311667	515-2005-540810-	METROPOLIS PERFORMING ARTS CENTRE	2025 OPERATING CONTRIBUTION INSTALLMENT 2 OF 4	\$71,250.00	\$71,250.00
DEPARTMENT 2005 TOTAL:				\$71,250.00	

VILLAGE OF ARLINGTON HEIGHTS

WARRANT REGISTER

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
POLICE DEPT ADMIN					
					\$332.48
311554	101-3001-521650-	ACCURATE DOCUMENT DESTRUCTION	SHREDDING SERVICES	\$332.48	
					\$90.66
311556	101-3001-533250-	ACTIVE LOCK AND KEY LTD	MISCELLANEOUS SUPPLIES	\$90.66	
					\$428.80
311563	101-3001-530050-	AMAZON COM CAPITAL SERVICES	POLICE EQUIPMENT & SUPPLY	\$428.80	
					\$22,377.71
311569	101-3001-518030-	ARLINGTON HTS SCHOOL DIST 25	CROSSING GUARD REIMBURSEMENT	\$22,377.71	
					\$2,403.00
311574	101-3001-522700-	AT&T MOBILITY NATIONAL ACCOUNTS LLC	ACCT 287328367893	\$2,403.00	
					\$206.35
311580	101-3001-530350-	BRANDING TOUCHPOINT / IPROMOTE U	CLOTHING & APPAREL	\$206.35	
					\$150.00
311581	101-3001-522030-	BRANDON CLABOUGH	TRAVEL AND TRAINING	\$150.00	
					\$154.00
311594	101-3001-522030-	CLARKE, BRIAN	TRAVEL AND TRAINING	\$154.00	
					\$5,019.00
311609	101-3001-521652-	DACRA TECH LLC	PROFESSIONAL SERVICES	\$5,019.00	
					\$54.64
311620	101-3001-521650-	EXPERIAN	PROFESSIONAL SERVICES	\$54.64	
					\$154.00
311623	101-3001-522030-	FLENTGE, ANDREW	TRAVEL AND TRAINING	\$154.00	
					\$1,900.00
311636	101-3001-522030-	HEFFERNAN, JEFFREY	TUITION REIMBURSEMENT	\$1,900.00	

Department 3001

VILLAGE OF ARLINGTON HEIGHTS

WARRANT REGISTER

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
					\$630.00
311640	101-3001-521655-	IDI	MISCELLANEOUS SERVICES	\$125.00	
311640	101-3001-521655-	IDI	MISCELLANEOUS SERVICES	\$505.00	
					\$614.75
311645	101-3001-530350-	JG UNIFORMS	CLOTHING & APPAREL	\$40.00	
311645	101-3001-530350-	JG UNIFORMS	CLOTHING & APPAREL	\$111.00	
311645	101-3001-530350-	JG UNIFORMS	CLOTHING & APPAREL	\$463.75	
					\$916.27
311652	101-3001-521651-	LIVE 4 LALI INC	CARE GRANT	\$916.27	
					\$165.28
311653	101-3001-530050-	LOWES COMMERCIAL SERVICES	POLICE EQUIPMENT & SUPPLY	\$165.28	
					\$67.91
311660	101-3001-530050-	MATTS ACE HARDWARE	POLICE EQUIPMENT & SUPPLY	\$31.95	
311660	101-3001-533250-	MATTS ACE HARDWARE	MISCELLANEOUS SUPPLIES	\$35.96	
					\$125.00
311677	101-3001-522020-	NORTH SUBURBAN ASSOC CHF POLICE	DUES	\$125.00	
					\$49,030.65
311679	101-3001-520370-	NORTHWEST CENTRAL DISPATCH SYS	MEMBER ASSESSMENT	\$49,030.65	
					\$177.50
311682	101-3001-522150-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$61.22	
311682	101-3001-530050-	ODP BUSINESS SOLUTIONS	SUPPLIES	\$116.28	
					\$1,666.75
311692	101-3001-522030-	PETTY CASH/POLICE	VEHICLE RENTAL	\$1,666.75	
					\$174.00
311707	101-3001-522030-	SEFTON, CHRISTOPHER	TRAVEL AND TRAINING	\$174.00	

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
311716	101-3001-521020-	STANLEY STEEMER INTERNATIONAL, INC.	PROFESSIONAL SERVICES	\$775.00	\$775.00
311721	101-3001-522100-	SUMMIT PRINT SOLUTIONS	PRINTING SERVICES	\$135.00	\$135.00
311738	235-3001-533050-	VERIZON WIRELESS	ACCT 54209747800003	\$36.01	\$36.01
311739	101-3001-522700-	VERIZON WIRELESS	ACCT 68682493000001	\$347.16	\$347.16
DEPARTMENT 3001 TOTAL:				\$88,131.92	

VILLAGE OF ARLINGTON HEIGHTS
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Department 3003

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
POLICE DEPT CRIMINAL INVEST					
					\$44,052.22
311664	231-3003-540110-	MERIDIAN RAPID DEFENSE GROUP SALES LLC	EQUIPMENT	\$44,052.22	
					\$75.28
311688	231-3003-540010-	PARTNERS & PAWS VETERINARY SERVICES	K9 SERVICES	\$75.28	
					\$178.33
311691	231-3003-540010-	PET PROS	K9 SUPPLIES	\$178.33	
					\$559.06
311698	231-3003-540010-	PSP STORES LLC	K9 SUPPLIES	\$69.98	
311698	231-3003-540010-	PSP STORES LLC	K9 SUPPLIES	\$105.98	
311698	231-3003-540010-	PSP STORES LLC	K9 SUPPLIES	\$179.97	
311698	231-3003-540010-	PSP STORES LLC	K9 SUPPLIES	\$203.13	
					\$10,315.15
311751	231-3003-540110-	VETERINARY SPECIALTY CENTER	K9 SERVICES	\$10,315.15	
DEPARTMENT 3003 TOTAL:				\$55,180.04	

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
FIRE ADMIN					
					\$816.00
311560	401-3501-550150-	AIR ONE EQUIPMENT	CLOTHING & APPAREL	\$816.00	
					\$1,317.10
311563	101-3501-530050-	AMAZON COM CAPITAL SERVICES	EVENT SUPPLIES	\$48.62	
311563	101-3501-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	\$20.71	
311563	101-3501-531650-	AMAZON COM CAPITAL SERVICES	FIRE EQUIPMENT & SUPPLY	\$14.27	
311563	401-3501-550150-	AMAZON COM CAPITAL SERVICES	NEW SQUAD EQUIPMENT	\$149.50	
311563	401-3501-550150-	AMAZON COM CAPITAL SERVICES	NEW SQUAD EQUIPMENT	\$278.00	
311563	401-3501-550150-	AMAZON COM CAPITAL SERVICES	NEW SQUAD EQUIPMENT	\$290.17	
311563	401-3501-550150-	AMAZON COM CAPITAL SERVICES	NEW SQUAD EQUIPMENT	\$515.83	
					\$7.13
311586	101-3501-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	\$7.13	
					\$1,322.38
311613	401-3501-550150-	DINGES FIRE COMPANY	NEW SQUAD EQUIPMENT	\$1,322.38	
					\$2,600.00
311618	101-3501-522030-	ELEVATED SAFETY	TRAVEL AND TRAINING	\$1,300.00	
311618	101-3501-522030-	ELEVATED SAFETY	TRAVEL AND TRAINING	\$1,300.00	
					\$16.99
311660	101-3501-521110-	MATTS ACE HARDWARE	BUILDING MAINTENANCE SUPPLIES	\$16.99	
					\$7,440.00
311673	401-3501-550150-	MISSION COMMUNICATIONS LLC	NEW AMBULANCE RADIOS	\$7,440.00	
					\$16,689.07
311679	101-3501-520370-	NORTHWEST CENTRAL DISPATCH SYS	MEMBER ASSESSMENT	\$16,343.55	
311679	401-3501-550150-	NORTHWEST CENTRAL DISPATCH SYS	NEW VEHICLE EQUIPMENT	\$345.52	

Department 3501

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
					\$157.19
311682	101-3501-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$157.19	
					\$246.88
311690	101-3501-533500-	PENNCARE	MEDICAL SUPPLIES	\$246.88	
					\$700.00
311697	101-3501-522030-	PROSPECT HEIGHTS FIRE PROTECTION DISTRICT	REIMBURSEMENT	\$700.00	
					\$2,352.90
311719	401-3501-550150-	STRYKER SALES CORP	NEW AMBULANCE EQUIPMENT	\$2,352.90	
					\$1,225.00
311728	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	(\$140.00)	
311728	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	\$9.10	
311728	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	\$39.95	
311728	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	\$49.95	
311728	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	\$49.95	
311728	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	\$52.95	
311728	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	\$56.85	
311728	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	\$74.95	
311728	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	\$78.95	
311728	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	\$83.90	
311728	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	\$124.90	
311728	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	\$149.85	
311728	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	\$157.90	
311728	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	\$195.00	
311728	101-3501-530350-	TODAY'S UNIFORMS	CLOTHING & APPAREL	\$240.80	
					\$917.46

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
311743	101-3501-521160-	VERIZON WIRELESS	ACCT 44205897800001	\$200.20	
311743	101-3501-522700-	VERIZON WIRELESS	ACCT 44205897800001	\$717.26	
					\$846.21
311759	101-3501-521110-	ZEP MANUFACTURING CO	JANITORIAL SUPPLIES	\$880.99	
311759	101-3501-521110-	ZEP MANUFACTURING CO	SERVICE BUILDING MAINTENANCE	(\$34.78)	
DEPARTMENT 3501 TOTAL:				\$36,654.31	

VILLAGE OF ARLINGTON HEIGHTS
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Department 3701

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
FOREIGN FIRE INSURANCE ADMIN					
311592	227-3701-522030-	CHUBB, BRENT	TUITION REIMBURSEMENT	\$1,527.50	\$1,527.50
DEPARTMENT 3701 TOTAL:				\$1,527.50	

VILLAGE OF ARLINGTON HEIGHTS

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Department 4001

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
PLANNING PLANNING					
					\$2,439.50
311591	264-4001-550300-	CHRISTOPHER B BURKE LTD	PROFESSIONAL SERVICES	\$459.00	
311591	264-4001-550300-	CHRISTOPHER B BURKE LTD	PROFESSIONAL SERVICES	\$760.75	
311591	401-4001-550300-	CHRISTOPHER B BURKE LTD	PROFESSIONAL SERVICES	\$459.00	
311591	401-4001-550300-	CHRISTOPHER B BURKE LTD	PROFESSIONAL SERVICES	\$760.75	
					\$500.56
311619	101-4001-522030-	EMILY RODMAN	TRAVEL AND TRAINING	\$500.56	
					\$735.00
311621	515-4001-533050-	FASTSIGNS	MISCELLANEOUS SUPPLIES	\$735.00	
					\$1,750.00
311626	101-4001-540400-	FRANCE MEDIA INC	ADVERTISING	\$1,750.00	
					\$2,638.08
311709	515-4001-533050-	SIGNS BY TOMORROW	PRINTING SERVICES	\$2,638.08	
					\$583.00
311717	101-4001-540410-	STATE GRAPHICS	PRINTING SERVICES	\$583.00	
					\$1,155.00
311730	101-4001-540410-	TOWN SQUARE PUBLICATIONS LLC	ADVERTISING	\$1,155.00	
					\$100.00
311748	101-4001-522700-	VERIZON WIRELESS	ACCT 68728837600001	\$100.00	
					\$5,000.00
311755	101-4001-540410-	WGN AM	HOLIDAY ADVERTISING	\$2,500.00	
311755	101-4001-540410-	WGN AM	HOLIDAY ADVERTISING	\$2,500.00	
DEPARTMENT 4001 TOTAL:				\$14,901.14	

VILLAGE OF ARLINGTON HEIGHTS
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Department 4501

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
BUILDING ADMIN					
311682	101-4501-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$17.99	\$17.99
311727	101-4501-520050-	THOMPSON ELEVATOR INSPECTION	PROFESSIONAL SERVICES	\$35.00	\$70.00
311727	101-4501-520050-	THOMPSON ELEVATOR INSPECTION	PROFESSIONAL SERVICES	\$35.00	
311740	101-4501-522700-	VERIZON WIRELESS	ACCT 54209747800002	\$346.24	\$346.24
311741	101-4501-522700-	VERIZON WIRELESS	ACCT 54209747800001	\$563.92	\$563.92
DEPARTMENT 4501 TOTAL:				\$998.15	

VILLAGE OF ARLINGTON HEIGHTS
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Department 7001

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
HEALTH ADMIN					
					\$26.98
311563	101-7001-530050-	AMAZON COM CAPITAL SERVICES	OFFICE SUPPLIES	\$26.98	
					\$585.00
311566	101-7001-520250-	ARLINGTON CENTER	COUNSELING SUBSIDY	\$585.00	
					\$216.00
311567	101-7001-520250-	ARLINGTON CENTER FOR RECOVERY	COUNSELING SUBSIDY	\$216.00	
					\$220.00
311605	101-7001-521100-	CORELOGIC SOLUTIONS LLC	OFFICE EQUIPMENT	\$220.00	
					\$1,000.00
311627	101-7001-540580-	FRONTIER DAYS INC	DONATION	\$1,000.00	
					\$15.32
311682	101-7001-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$15.32	
					\$300.40
311745	101-7001-522700-	VERIZON WIRELESS	ACCT 88556712200001	\$300.40	
			DEPARTMENT 7001 TOTAL:	\$2,363.70	

VILLAGE OF ARLINGTON HEIGHTS
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Department 7007

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
HEALTH SENIOR SERVICES					
311583	101-7007-540160-	BUFFALO GROVE PARK DISTRICT	PROGRAM INSTRUCTIONAL FEE	\$525.00	\$525.00
311586	101-7007-522150-	CANON U.S.A. INC	OFFICE MACHINES & ACCESS	\$52.11	\$52.11
311612	101-7007-540160-	DES PLAINES HARMONAIRES	PROGRAM INSTRUCTIONAL FEE	\$175.00	\$175.00
311628	101-7007-540160-	GARY E MIDKIFF & COMPANY	PROGRAM INSTRUCTIONAL FEE	\$220.00	\$220.00
311635	101-7007-540160-	HAZELGROVE, WILLIAM	PROGRAM INSTRUCTIONAL FEE	\$300.00	\$300.00
311648	101-7007-540160-	KRISTA AUGUST	PROGRAM INSTRUCTIONAL FEE	\$275.00	\$275.00
DEPARTMENT 7007 TOTAL:				\$1,547.11	

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
PUBLIC WORKS ADMIN					
311555	101-7101-531550-	ACTIVE ELECTRICAL SUPPLY CO	BUILDING MAINTENANCE SUPPLY	\$744.00	\$744.00
311556	101-7101-531550-	ACTIVE LOCK AND KEY LTD	BUILDING MAINTENANCE SUPPLY	\$3.50	\$248.50
311556	101-7101-531800-	ACTIVE LOCK AND KEY LTD	STREET SIGN SUPPLIES	\$245.00	
311564	101-7101-521550-	APEX LANDSCAPING INC	LANDSCAPING SERVICES	\$3,711.91	\$3,711.91
311571	101-7101-522700-	AT & T	ACCT 84725535058159	\$499.90	\$499.90
311572	101-7101-522700-	AT & T	ACCT 84759060006156	\$1,189.44	\$1,189.44
311573	101-7101-522700-	AT & T	ACCT 217S667106106	\$2,120.18	\$2,120.18
311591	101-7101-521550-	CHRISTOPHER B BURKE LTD	PROFESSIONAL SERVICES	\$95.00	\$3,765.14
311591	101-7101-521550-	CHRISTOPHER B BURKE LTD	PROFESSIONAL SERVICES	\$526.84	
311591	101-7101-521550-	CHRISTOPHER B BURKE LTD	PROFESSIONAL SERVICES	\$537.05	
311591	101-7101-521550-	CHRISTOPHER B BURKE LTD	PROFESSIONAL SERVICES	\$916.25	
311591	101-7101-521550-	CHRISTOPHER B BURKE LTD	PROFESSIONAL SERVICES	\$1,690.00	
311595	101-7101-522700-	COMCAST CABLE	ACCT 8771100720049004	\$42.84	\$42.84
311596	101-7101-522700-	COMCAST CABLE	ACCT 8771100720901436	\$76.92	\$76.92
311599	101-7101-522700-	COMCAST CABLE	ACCT 8771100720048998	\$32.13	\$32.13

Department 7101

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
					\$60,818.57
311601	101-7101-531900-	COMPASS MINERALS AMERICA	STREET SUPPLIES	\$11,887.13	
311601	101-7101-531900-	COMPASS MINERALS AMERICA	STREET SUPPLIES	\$48,931.44	
					\$220.46
311603	515-7101-533050-	CONSERV FS INC	EVENT SUPPLIES	\$220.46	
					\$200.00
311606	101-7101-530350-	CRAFT, STEVE	CLOTHING & APPAREL	\$200.00	
					\$194.96
311607	101-7101-530350-	CRAWFORD BRIAN	CLOTHING & APPAREL	\$194.96	
					\$30,246.50
311616	401-7101-550300-	DOLAND ENGINEERING, LLC	PROFESSIONAL SERVICES	\$30,246.50	
					\$2,566.00
311622	101-7101-521550-	FLECK'S LANDSCAPING	LANDSCAPING SERVICES	\$2,566.00	
					\$10,744.82
311625	101-7101-521020-	FORERUNNER TECHNOLOGIES, INC	EQUIPMENT MAINTENANCE	\$10,744.82	
					\$942.30
311629	101-7101-522030-	GASCON, JOHNATHON	TRAVEL AND TRAINING	\$942.30	
					\$582.40
311630	101-7101-522030-	GIAMBELUCA, JOHN	TRAVEL AND TRAINING	\$582.40	
					\$2,158.80
311633	101-7101-531750-	GRAYBAR ELECTRIC COMPANY	STREET SUPPLIES	\$2,158.80	
					\$193.00
311638	101-7101-530350-	HODGE, MICHAEL	CLOTHING & APPAREL	\$193.00	
					\$6,530.00
311639	101-7101-521550-	HOMER TREE CARE, INC	LANDSCAPING SERVICES	\$2,280.00	
311639	426-7101-550250-	HOMER TREE CARE, INC	CAPITAL CONSTRUCTION	\$4,250.00	

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
					\$19,025.00
311643	101-7101-521020-	INTERCLEAN EQUIPMENT	EQUIPMENT MAINTENANCE	\$19,025.00	
					\$1,242.23
311653	101-7101-531400-	LOWES COMMERCIAL SERVICES	AGRICULTURAL SUPPLIES	\$193.56	
311653	101-7101-531550-	LOWES COMMERCIAL SERVICES	BUILDING MAINTENANCE SUPPLY	\$576.51	
311653	101-7101-531850-	LOWES COMMERCIAL SERVICES	SMALL TOOLS & EQUIPMENT	\$27.60	
311653	101-7101-531850-	LOWES COMMERCIAL SERVICES	SMALL TOOLS & EQUIPMENT	\$28.46	
311653	101-7101-531850-	LOWES COMMERCIAL SERVICES	SMALL TOOLS & EQUIPMENT	\$416.10	
					\$710.29
311654	101-7101-522030-	LUKAS ZETTLMEIER	TRAVEL AND TRAINING	\$710.29	
					\$777.00
311656	101-7101-521655-	M3V DATA MGMT LLC	OFFICE EQUIPMENT	\$777.00	
					\$123.92
311660	101-7101-531750-	MATTS ACE HARDWARE	STREET SUPPLIES	\$11.97	
311660	101-7101-531850-	MATTS ACE HARDWARE	SMALL TOOLS & EQUIPMENT	\$41.98	
311660	101-7101-531850-	MATTS ACE HARDWARE	SMALL TOOLS & EQUIPMENT	\$16.99	
311660	101-7101-531850-	MATTS ACE HARDWARE	SMALL TOOLS & EQUIPMENT	\$52.98	
					\$5,565.00
311665	101-7101-521110-	METRO DOOR AND DOCK	SERVICE BUILDING MAINTENANCE	\$5,565.00	
					\$4,374.00
311671	426-7101-550250-	MIDWEST EXCAVATORS	PROFESSIONAL SERVICES	\$4,374.00	
					\$2,528.47
311676	101-7101-521500-	NICOR	ACCT 01701843946	\$2,528.47	
					\$903.90
311680	401-7101-550200-	NORTHWEST ELECTRICAL SUPPLY CO	BUILDING MAINTENANCE SUPPLY	\$903.90	

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
					\$642.59
311682	101-7101-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$26.29	
311682	101-7101-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$28.39	
311682	101-7101-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$64.69	
311682	101-7101-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$160.32	
311682	101-7101-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$181.45	
311682	101-7101-530050-	ODP BUSINESS SOLUTIONS	OFFICE SUPPLIES	\$181.45	
					\$22,244.58
311683	101-7101-530390-	OFFEN PETROLEUM LLC	FUEL	\$22,244.58	
					\$570.00
311696	101-7101-522700-	PRECISE MRM LLC	PHONE SERVICES	\$570.00	
					\$2,493.75
311701	101-7101-520050-	RITTER GIS	OFFICE EQUIPMENT	\$2,493.75	
					\$12,720.00
311703	101-7101-520050-	ROADWAY ASSET SERVICES, LLC	PROFESSIONAL SERVICES	\$3,860.00	
311703	101-7101-520050-	ROADWAY ASSET SERVICES, LLC	PROFESSIONAL SERVICES	\$8,860.00	
					\$733.60
311704	101-7101-522030-	ZACK RODDY	TRAVEL AND TRAINING	\$733.60	
					\$100.00
311708	101-7101-521650-	SIDWELL CO	SERVICE BUILDING MAINTENANCE	\$100.00	
					\$6,893.16
311715	101-7101-531550-	STANDARD PIPE AND SUPPLY INC	BUILDING MAINTENANCE SUPPLY	\$6,893.16	
					\$13,890.00
311718	101-7101-521020-	STONE GROUP	EQUIPMENT MAINTENANCE	\$13,890.00	
					\$7.44
311724	101-7101-531850-	TERRACE SUPPLY CO	SMALL TOOLS & EQUIPMENT	\$7.44	

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
					\$2,725.25
311735	101-7101-522700-	VERIZON WIRELESS	ACCT 58675303500001	\$2,725.25	
					\$126.44
311742	101-7101-522700-	VERIZON WIRELESS	ACCT 64202486400001	\$126.44	
					\$3,348.00
311756	515-7101-533050-	WINDY CITY LIGHTS	EVENT SUPPLIES	\$3,348.00	
					\$569.50
311760	101-7101-530350-	ZORO TOOLS INC	CLOTHING & APPAREL	\$141.41	
311760	101-7101-531450-	ZORO TOOLS INC	JANITORIAL SUPPLIES	\$428.09	
					\$486.65
802477	101-7101-522700-	AT & T	ACCT 84734215365273	\$58.74	
802477	101-7101-522700-	AT & T	ACCT 84739420624707	\$58.74	
802477	101-7101-522700-	AT & T	ACCT 84739443682112	\$58.74	
802477	101-7101-522700-	AT & T	ACCT 84739893361501	\$60.24	
802477	101-7101-522700-	AT & T	ACCT 84759391411742	\$64.78	
802477	101-7101-522700-	AT & T	ACCT 84739893901330	\$64.93	
802477	101-7101-522700-	AT & T	ACCT 84725334382001	\$120.48	
					\$456.34
802478	101-7101-521500-	COMMONWEALTH EDISON COMPANY	ACCT 1158409000	\$41.94	
802478	101-7101-521500-	COMMONWEALTH EDISON COMPANY	ACCT 6437571222	\$414.40	
					\$22,232.26
802479	101-7101-521500-	CONSTELLATION NEW ENERGY INC	ACCT 8063218	\$1,367.92	
802479	101-7101-521500-	CONSTELLATION NEW ENERGY INC	ACCT 8063214	\$20,864.34	
					\$15,950.78
802480	101-7101-521500-	NICOR	ACCT 06802945268	\$53.31	

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
802480	101-7101-521500-	NICOR	ACCT 19426400008	\$148.16	
802480	101-7101-521500-	NICOR	ACCT 40178600009	\$280.54	
802480	101-7101-521500-	NICOR	ACCT 72489260108	\$291.81	
802480	101-7101-521500-	NICOR	ACCT 28178600004	\$594.08	
802480	101-7101-521500-	NICOR	ACCT 38178600003	\$630.09	
802480	101-7101-521500-	NICOR	ACCT 15839647334	\$831.36	
802480	101-7101-521500-	NICOR	ACCT 58401600000	\$855.15	
802480	101-7101-521500-	NICOR	ACCT 38096400007	\$1,389.41	
802480	101-7101-521500-	NICOR	ACCT 97034457784	\$2,179.72	
802480	101-7101-521500-	NICOR	ACCT 53278600001	\$2,810.01	
802480	101-7101-521500-	NICOR	ACCT 25422686599	\$5,887.14	
DEPARTMENT 7101 TOTAL:				\$269,268.92	

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
WATER AND SEWER ADMIN					
					\$3,180.55
311553	505-7201-550100-	ABT ELECTRONICS	OFFICE EQUIPMENT	\$3,180.55	
					\$89.24
311557	505-7201-550200-	ADDISON BUILDING MATERIAL CO	BUILDING IMPROVEMENTS	\$89.24	
					\$957.66
311561	505-7201-521350-	ALPINE SAP, INC.	METER SUPPLIES	\$57.35	
311561	505-7201-521350-	ALPINE SAP, INC.	METER SUPPLIES	\$600.00	
311561	505-7201-531020-	ALPINE SAP, INC.	METER SUPPLIES	\$23.84	
311561	505-7201-531020-	ALPINE SAP, INC.	METER SUPPLIES	\$50.00	
311561	505-7201-531020-	ALPINE SAP, INC.	METER SUPPLIES	\$76.97	
311561	505-7201-531020-	ALPINE SAP, INC.	METER SUPPLIES	\$149.50	
					\$4,170.00
311576	505-7201-531020-	BAVCO	METER SUPPLIES	\$4,170.00	
					\$2,173.75
311577	505-7201-520050-	BAXTER & WOODMAN	PROFESSIONAL SERVICES	\$2,173.75	
					\$4,407.02
311585	505-7201-531900-	C C CARTAGE INC	DISPOSAL SERVICES	\$4,407.02	
					\$754.90
311588	505-7201-531010-	CERTIFIED LABORATORIES	WATER SUPPLIES	\$754.90	
					\$2,621.25
311591	505-7201-521250-	CHRISTOPHER B BURKE LTD	PROFESSIONAL SERVICES	\$1,222.50	
311591	505-7201-521250-	CHRISTOPHER B BURKE LTD	PROFESSIONAL SERVICES	\$1,398.75	
					\$205.80
311597	505-7201-522700-	COMCAST CABLE	ACCT 8771100720175502	\$205.80	
					\$303.41

Department 7201

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
311600	505-7201-521500-	COMMONWEALTH EDISON COMPANY	ACCT 4554927000	\$303.41	
					\$675.00
311603	505-7201-531400-	CONSERV FS INC	AGRICULTURAL SUPPLIES	\$675.00	
					\$820.05
311604	505-7201-531850-	CORE & MAIN LP	SMALL TOOLS & EQUIPMENT	\$820.05	
					\$1,490.00
311611	505-7201-550100-	DELL MARKETING LP	OFFICE EQUIPMENT	\$1,490.00	
					\$5,116.70
311614	505-7201-521500-	DIRECT ENERGY BUSINESS MARKETING LLC	ACCT 1806638	\$5,116.70	
					\$202.81
311632	505-7201-531550-	GRAINGER W W INC	BUILDING MAINTENANCE SUPPLY	\$22.05	
311632	505-7201-531550-	GRAINGER W W INC	BUILDING MAINTENANCE SUPPLY	\$148.02	
311632	505-7201-531850-	GRAINGER W W INC	SMALL TOOLS & EQUIPMENT	\$32.74	
					\$129.71
311634	505-7201-530350-	HASSENAUER, MICHAEL	CLOTHING & APPAREL	\$129.71	
					\$32.00
311637	505-7201-550200-	HELLER LUMBER CO	BUILDING IMPROVEMENTS	\$32.00	
					\$880.00
311644	505-7201-521300-	JCK CONTRACTORS	WATER SUPPLIES	\$880.00	
					\$104.65
311653	505-7201-530350-	LOWES COMMERCIAL SERVICES	CLOTHING & APPAREL	\$47.46	
311653	505-7201-531850-	LOWES COMMERCIAL SERVICES	SMALL TOOLS & EQUIPMENT	\$57.19	
					\$3,800.00
311655	505-7201-521110-	M E SIMPSON CO INC	SERVICE BUILDING MAINTENANCE	\$3,800.00	
					\$518.00

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
311656	505-7201-521655-	M3V DATA MGMT LLC	OFFICE EQUIPMENT	\$518.00	
					\$30.48
311660	505-7201-531650-	MATTS ACE HARDWARE	MISCELLANEOUS SUPPLIES	\$14.49	
311660	505-7201-550200-	MATTS ACE HARDWARE	BUILDING MAINTENANCE SUPPLIES	\$15.99	
					\$404.27
311663	505-7201-531550-	MENARDS-LONG GROVE	BUILDING MAINTENANCE SUPPLIES	\$335.30	
311663	505-7201-531850-	MENARDS-LONG GROVE	SMALL TOOLS & EQUIPMENT	\$68.97	
					\$51,106.80
311670	506-7201-550150-	MID AMERICAN WATER OF WAUCONDA, INC.	METER SERVICES	\$40,431.70	
311670	506-7201-550150-	MID AMERICAN WATER OF WAUCONDA, INC.	METER SUPPLIES	\$10,675.10	
					\$1,062.50
311693	505-7201-521250-	PIZZO & ASSOCIATES, LTD	PROFESSIONAL SERVICES	\$1,062.50	
					\$570.00
311696	505-7201-522700-	PRECISE MRM LLC	PHONE SERVICES	\$570.00	
					\$75.00
311699	505-7201-522700-	PTS COMMUNICATIONS INC	PHONE SERVICES	\$75.00	
					\$2,493.75
311701	505-7201-520050-	RITTER GIS	OFFICE EQUIPMENT	\$2,493.75	
					\$200.00
311706	505-7201-530350-	SCHWEDA, SCOTT	CLOTHING & APPAREL	\$200.00	
					\$14,714.00
311720	505-7201-520050-	SUBURBAN LABORATORIES INC	PROFESSIONAL SERVICES	\$350.00	
311720	505-7201-520050-	SUBURBAN LABORATORIES INC	PROFESSIONAL SERVICES	\$1,390.00	
311720	505-7201-520050-	SUBURBAN LABORATORIES INC	PROFESSIONAL SERVICES	\$1,440.00	
311720	505-7201-520050-	SUBURBAN LABORATORIES INC	PROFESSIONAL SERVICES	\$2,598.50	

VILLAGE OF ARLINGTON HEIGHTS

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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
311720	505-7201-520050-	SUBURBAN LABORATORIES INC	PROFESSIONAL SERVICES	\$2,710.00	
311720	505-7201-520050-	SUBURBAN LABORATORIES INC	PROFESSIONAL SERVICES	\$2,934.00	
311720	505-7201-520050-	SUBURBAN LABORATORIES INC	PROFESSIONAL SERVICES	\$3,291.50	
					\$1,816.90
311735	505-7201-522700-	VERIZON WIRELESS	ACCT 58675303500001	\$1,816.90	\$560.86
311736	505-7201-522700-	VERIZON WIRELESS	ACCT 78635116200001	\$560.86	
					\$832.40
311750	505-7201-522030-	VERONICA TREVINO	TRAVEL AND TRAINING	\$832.40	\$1,960.00
311752	505-7201-531010-	WATER PRODUCTS COMPANY OF AURORA, INC.	WATER SUPPLIES	\$1,960.00	
					\$1,134.07
802477	505-7201-522700-	AT & T	ACCT 84725301748135	\$60.69	
802477	505-7201-522700-	AT & T	ACCT 84759080850047	\$120.48	
802477	505-7201-522700-	AT & T	ACCT 84759021056118	\$952.90	
					\$188.42
802478	505-7201-521500-	COMMONWEALTH EDISON COMPANY	ACCT 6949217000	\$188.42	\$16,605.19
802479	505-7201-521500-	CONSTELLATION NEW ENERGY INC	ACCT 1050218	\$4,456.95	
802479	505-7201-521500-	CONSTELLATION NEW ENERGY INC	ACCT 1050220	\$12,148.24	
					\$497.69
802480	505-7201-521500-	NICOR	ACCT 42567835683	\$56.63	
802480	505-7201-521500-	NICOR	ACCT 58544400003	\$126.92	
802480	505-7201-521500-	NICOR	ACCT 90920700003	\$148.16	
802480	505-7201-521500-	NICOR	ACCT 04055600003	\$165.98	

VILLAGE OF ARLINGTON HEIGHTS
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CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
					\$1,375,951.80
902563	505-7201-521530-	NORTHWEST WATER COMMISSION	MAY 2025 QUARTERLY PAYMENT	\$1,375,951.80	
			DEPARTMENT 7201 TOTAL:	\$1,502,836.63	

VILLAGE OF ARLINGTON HEIGHTS
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Department 7301

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
PARKING ADMIN					
311617	235-7301-521110-	ECO CLEAN MAINTENANCE INC	SERVICE BUILDING MAINTENANCE	\$419.16	\$419.16
802478	235-7301-521500-	COMMONWEALTH EDISON COMPANY	ACCT 9934124000	\$883.58	\$883.58
DEPARTMENT 7301 TOTAL:				\$1,302.74	

VILLAGE OF ARLINGTON HEIGHTS
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Department 7302

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
PARKING VAIL ST. GARAGE OPER					
311598	235-7302-521500-	COMCAST CABLE	ACCT 8771100721377909	\$151.35	\$151.35
311617	235-7302-521110-	ECO CLEAN MAINTENANCE INC	SERVICE BUILDING MAINTENANCE	\$1,327.34	\$1,327.34
802477	235-7302-521500-	AT & T	ACCT 84725309782425	\$245.23	\$245.23
802479	235-7302-521500-	CONSTELLATION NEW ENERGY INC	ACCT 1050215	\$2,954.85	\$2,954.85
DEPARTMENT 7302 TOTAL:				\$4,678.77	

VILLAGE OF ARLINGTON HEIGHTS
WARRANT REGISTER
CHECK DATE: 4/15/2025

Department 7303

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
PARKING NORTH GARAGE OPER					
311617	235-7303-521110-	ECO CLEAN MAINTENANCE INC	SERVICE BUILDING MAINTENANCE	\$1,327.34	\$1,327.34
802479	235-7303-521500-	CONSTELLATION NEW ENERGY INC	ACCT 1060231	\$2,659.28	\$2,659.28
802480	235-7303-521500-	NICOR	ACCT 12690400002	\$53.89	\$53.89
DEPARTMENT 7303 TOTAL:				\$4,040.51	

VILLAGE OF ARLINGTON HEIGHTS
WARRANT REGISTER
CHECK DATE: 4/15/2025

Department 7304

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
PARKING EVERGREEN ST GAR OPER					
311565	235-7304-521020-	ARCO MECHANICAL EQUIPMENT SALES	EQUIPMENT MAINTENANCE	\$5,400.00	\$5,400.00
311617	235-7304-521110-	ECO CLEAN MAINTENANCE INC	SERVICE BUILDING MAINTENANCE	\$419.16	\$419.16
802479	235-7304-521500-	CONSTELLATION NEW ENERGY INC	ACCT 1050222	\$3,219.91	\$3,219.91
802480	235-7304-521500-	NICOR	ACCT 92296400002	\$156.12	\$156.12
DEPARTMENT 7304 TOTAL:				\$9,195.19	

VILLAGE OF ARLINGTON HEIGHTS
WARRANT REGISTER
CHECK DATE: 4/15/2025

Department 7401

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
SOLID WASTE DISPSL SWANCCADMIN					
902562	511-7401-521540-	SOLID WASTE AGENCY	MAY 2025 TIPPING FEES	\$1,667.00	\$152,789.00
902562	511-7401-521540-	SOLID WASTE AGENCY	MAY 2025 TIPPING FEES	\$151,122.00	
DEPARTMENT 7401 TOTAL:				\$152,789.00	

VILLAGE OF ARLINGTON HEIGHTS

WARRANT REGISTER

CHECK DATE: 4/15/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
MUNICIPAL FLEET SVCS ADMIN					
311558	621-7501-531510-	ADVANCE AUTO PARTS	VEH MAINTENANCE SUPPLY	\$39.38	\$39.38
311559	621-7501-522030-	ADVANCED VEHICLE TECHNOLOGY GROUP, LLC	TRAVEL & TRAINING	\$295.00	\$295.00
311562	621-7501-531510-	ALTORFER INDUSTRIES	VEH MAINTENANCE SUPPLY	\$45.26	\$2,340.86
311562	621-7501-531510-	ALTORFER INDUSTRIES	VEH MAINTENANCE SUPPLY	\$867.68	
311562	621-7501-531510-	ALTORFER INDUSTRIES	VEH MAINTENANCE SUPPLY	\$1,427.92	
311568	621-7501-531510-	ARLINGTON HTS FORD	VEH MAINTENANCE SUPPLY	\$48.71	\$48.71
311575	621-7501-531510-	ATLAS BOBCAT LLC	VEH MAINTENANCE SUPPLY	\$209.00	\$209.00
311582	621-7501-531510-	BROWN EQUIPMENT COMPANY	VEH MAINTENANCE SUPPLY	\$573.36	\$573.36
311584	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	(\$22.99)	\$675.39
311584	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	\$10.78	
311584	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	\$15.42	
311584	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	\$30.68	
311584	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	\$46.00	
311584	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	\$52.92	
311584	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	\$52.92	
311584	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	\$79.16	
311584	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	\$79.20	

Department 7501

VILLAGE OF ARLINGTON HEIGHTS

WARRANT REGISTER

CHECK DATE: 4/15/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
311584	621-7501-531510-	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	\$331.30	
					\$225.40
311589	621-7501-531510-	CHICAGO PARTS AND SOUND LLC	VEH MAINTENANCE SUPPLY	\$17.51	
311589	621-7501-531510-	CHICAGO PARTS AND SOUND LLC	VEH MAINTENANCE SUPPLY	\$102.18	
311589	621-7501-531510-	CHICAGO PARTS AND SOUND LLC	VEH MAINTENANCE SUPPLY	\$105.71	
					\$102.86
311593	621-7501-521360-	CITY WELDING SALES & SERVICE	EQUIPMENT RENTAL	\$102.86	
					\$386.30
311624	621-7501-531510-	FORCE AMERICA DISTRIBUTING LLC	VEH MAINTENANCE SUPPLY	\$386.30	
					\$8.00
311641	621-7501-521070-	IL SECRETARY OF STATE	VEHICLE REGISTRATION	\$8.00	
					\$8.00
311642	621-7501-521070-	IL SECRETARY OF STATE	VEHICLE REGISTRATION	\$8.00	
					\$1,780.00
311649	621-7501-521070-	LAKE ZURICH RADIATOR & AC SERVICE	EQUIPMENT MAINTENANCE	\$1,780.00	
					\$2,773.37
311650	621-7501-531510-	LEAHY-WOLF COMPANY	VEH MAINTENANCE SUPPLY	\$2,773.37	
					\$1,299.55
311651	621-7501-521070-	LIBERTY TIRE RECYCLING	EQUIPMENT MAINTENANCE	\$1,299.55	
					\$991.26
311657	621-7501-521080-	MAACO COLLISION REPAIR & PAINTING	EQUIPMENT MAINTENANCE	\$991.26	
					\$1,719.10
311659	621-7501-531510-	MACQUEEN EMERGENCY GROUP	VEH MAINTENANCE SUPPLY	\$132.10	
311659	621-7501-531510-	MACQUEEN EMERGENCY GROUP	VEH MAINTENANCE SUPPLY	\$140.67	
311659	621-7501-531510-	MACQUEEN EMERGENCY GROUP	VEH MAINTENANCE SUPPLY	\$150.25	

VILLAGE OF ARLINGTON HEIGHTS

WARRANT REGISTER

CHECK DATE: 4/15/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
311659	621-7501-531510-	MACQUEEN EMERGENCY GROUP	VEH MAINTENANCE SUPPLY	\$358.30	
311659	621-7501-531510-	MACQUEEN EMERGENCY GROUP	VEH MAINTENANCE SUPPLY	\$432.15	
311659	621-7501-531510-	MACQUEEN EMERGENCY GROUP	VEH MAINTENANCE SUPPLY	\$505.63	
					\$329.37
311661	621-7501-531510-	MC MASTER CARR SUPPLY CO	VEH MAINTENANCE SUPPLY	\$36.63	
311661	621-7501-531510-	MC MASTER CARR SUPPLY CO	VEH MAINTENANCE SUPPLY	\$292.74	
					\$1,644.18
311674	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	\$14.70	
311674	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	\$19.01	
311674	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	\$38.99	
311674	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	\$54.63	
311674	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	\$58.20	
311674	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	\$67.66	
311674	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	\$79.06	
311674	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	\$130.12	
311674	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	\$165.00	
311674	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	\$219.75	
311674	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	\$289.18	
311674	621-7501-531510-	NAPA AUTO PARTS	VEH MAINTENANCE SUPPLY	\$507.88	
					\$2,299.30
311678	621-7501-521070-	NORTHWEST AUTO WASH	EQUIPMENT MAINTENANCE	\$1,144.70	
311678	621-7501-521070-	NORTHWEST AUTO WASH	EQUIPMENT MAINTENANCE	\$1,154.60	
					\$115.50
311681	621-7501-531510-	NORTHWEST FREIGHTLINER	VEH MAINTENANCE SUPPLY	\$115.50	
					\$332.55
311689	621-7501-531510-	PATLIN INC	VEH MAINTENANCE SUPPLY	\$332.55	

VILLAGE OF ARLINGTON HEIGHTS

WARRANT REGISTER

CHECK DATE: 4/15/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
					\$2,213.54
311705	621-7501-531510-	ROLAND MACHINERY CO	VEH MAINTENANCE SUPPLY	(\$93.47)	
311705	621-7501-531510-	ROLAND MACHINERY CO	VEH MAINTENANCE SUPPLY	\$424.29	
311705	621-7501-531510-	ROLAND MACHINERY CO	VEH MAINTENANCE SUPPLY	\$1,882.72	
					\$2,147.12
311712	621-7501-521020-	SOURCE NORTH AMERICA CORP	EQUIPMENT MAINTENANCE	\$2,147.12	
					\$2,374.76
311714	621-7501-531510-	STANDARD EQUIPMENT CO	VEH MAINTENANCE SUPPLY	\$284.78	
311714	621-7501-531510-	STANDARD EQUIPMENT CO	VEH MAINTENANCE SUPPLY	\$671.74	
311714	621-7501-531510-	STANDARD EQUIPMENT CO	VEH MAINTENANCE SUPPLY	\$1,418.24	
					\$161.09
311723	621-7501-531510-	TERMINAL SUPPLY CO	VEH MAINTENANCE SUPPLY	\$161.09	
					\$219.95
311731	621-7501-531510-	ULTRA STROBE COMMUNICATIONS INC	VEH MAINTENANCE SUPPLY	\$219.95	
					\$216.11
311732	621-7501-530350-	UNIFIRST CORPORATION	CLOTHING & APPAREL	\$74.55	
311732	621-7501-530350-	UNIFIRST CORPORATION	CLOTHING & APPAREL	\$141.56	
					\$111.62
311733	621-7501-531510-	US AUTOFORCE	VEH MAINTENANCE SUPPLY	\$111.62	
					\$2,564.56
311753	621-7501-531510-	WENTWORTH TIRE SERVICE	VEH MAINTENANCE SUPPLY	\$2,564.56	
					\$10,684.51
311754	621-7501-521070-	WEST SIDE TRACTOR SALES CO	EQUIPMENT MAINTENANCE	\$10,684.51	
					\$390.00
311758	621-7501-531510-	ZEIGLER OF SCHAUMBURG	VEH MAINTENANCE SUPPLY	\$39.00	

VILLAGE OF ARLINGTON HEIGHTS
WARRANT REGISTER
CHECK DATE: 4/15/2025

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
311758	621-7501-531510-	ZEIGLER OF SCHAUMBURG	VEH MAINTENANCE SUPPLY	\$351.00	
DEPARTMENT 7501 TOTAL:				\$39,279.70	

VILLAGE OF ARLINGTON HEIGHTS
WARRANT REGISTER
CHECK DATE: 4/15/2025

Department 9001

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
CAPITAL ADMIN					
					\$2,627.50
311577	505-9001-550250-	BAXTER & WOODMAN	PROFESSIONAL SERVICES	\$462.50	
311577	505-9001-550250-	BAXTER & WOODMAN	PROFESSIONAL SERVICES	\$2,165.00	
					\$4,285.00
311615	505-9001-550250-	DIXON ENGINEERING	PROFESSIONAL SERVICES	\$4,285.00	
					\$258,370.00
311672	505-9001-550250-	MIDWEST METER INC	METER SUPPLIES	\$44,040.00	
311672	505-9001-550250-	MIDWEST METER INC	METER SUPPLIES	\$88,080.00	
311672	505-9001-550250-	MIDWEST METER INC	METER SUPPLIES	\$126,250.00	
					\$3,760.00
311702	505-9001-550250-	RJN GROUP INC	PROFESSIONAL SERVICES	\$3,760.00	
			DEPARTMENT 9001 TOTAL:	\$269,042.50	

VILLAGE OF ARLINGTON HEIGHTS
WARRANT REGISTER
CHECK DATE: 4/15/2025

Department 9003

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
CAPITAL EQUIPMENT					
311608	621-9003-550050-	CURRIE MOTORS	VEHICLE	\$50,550.00	\$50,550.00
DEPARTMENT 9003 TOTAL:				\$50,550.00	

VILLAGE OF ARLINGTON HEIGHTS
WARRANT REGISTER
CHECK DATE: 4/15/2025

Department 9901

CHECK #	ACCOUNT #	VENDOR NAME/#	DESCRIPTION	AMOUNT	TOTAL AMOUNT
NON-OPERATING					
					\$13,233.64
311666	515-9901-540830-	METROPOLIS COMMERCIAL CONDO ASSN	CAM CHARGE	\$9,004.45	
311666	515-9901-540920-	METROPOLIS COMMERCIAL CONDO ASSN	BUILDING RESERVE CHARGE	\$4,229.19	
DEPARTMENT 9901 TOTAL:				\$13,233.64	
WARRANT TOTAL:				\$3,893,608.70	



VILLAGE OF
ARLINGTON HEIGHTS
— INC. 1887 —

Village Board of Trustees
4/21/2025

Item: Recognition of Outgoing Mayor Thomas Hayes, Trustee Nicolle Grasse and Trustee Richard Baldino

Department: Integrated Services

Item Description:

Recognition of Outgoing Mayor Tom Hayes, Trustee Nicolle Grasse and Trustee Richard Baldino

ATTACHMENTS:

None



VILLAGE OF
ARLINGTON HEIGHTS
— INC. 1887 —

Village Board of Trustees
4/21/2025

Item: Boards and Commissions Reappointments

Department: Integrated Services

Item Description:

Boards and Commissions Reappointments

ATTACHMENTS:

1. B & C appointments & reappointments 2025

Boards and Commissions Appointments / Reappointments

April 21, 2025

<u>Board / Commission</u>	<u>Member Reappointment</u>	<u>Term Ending</u>
Plan Commission	Bruce Green	4/30/2028
Plan Commission	Lynn Jensen	4/30/2028
Plan Commission	John Sigalos	4/30/2028
Zoning Board of Appeals	Tom Drake	4/30/2030
Board of Health	Ashely Bae	4/30/2028
Board of Health	Shalu Gugnani, MD	4/30/2028
Board of Health	Karen VanLandeghem	4/30/2028
Design Commission	Ted Eckhardt	4/30/2028
Design Commission	Kirsten Kingsley	4/30/2028
Building Code Review Board	Patrick O'Gorman	4/30/2028
Housing Commission	David Miller	4/30/2028
The Arlington Economic Alliance	John Toliopoulos (Commercial Real Estate)	4/30/2028
The Arlington Economic Alliance	Terry Iverson (Industrialist)	4/30/2028
The Arlington Economic Alliance	Michael Mulder (Financial)	4/30/2028
The Arlington Economic Alliance	Kerri Oots (Hospitality)	4/30/2028
The Arlington Economic Alliance	Andi Ruhl (Downtown)	4/30/2028
Senior Citizens Commission	Corinne Drew	4/30/2028
Senior Citizens Commission	Fred Vogt	4/30/2028
Youth Commission	Alice Son	4/30/2028
Youth Commission	Matt Healy (AHPD)	4/30/2028
Youth Commission	Sydney Galla (Youth)	4/30/2026
Youth Commission	Colin Smith (Youth)	4/30/2026
Youth Commission	Riley Philips (Youth)	4/30/2026
Youth Commission	Ava McQuaid (Youth)	4/30/2026
Youth Commission	Christopher Hong (Youth)	4/30/2026
Commission for Citizens with Disabilities	Seth Goldberg	4/30/2028
Commission for Citizens with Disabilities	David McCallum	4/30/2028
Bicycle & Pedestrian Advisory Commission	Richard Lenski	4/30/2028
Bicycle & Pedestrian Advisory Commission	Lynn Sakata	4/30/2028
Special Events Commission	Kelly Barash	4/30/2029
Special Events Commission	Cari Boyle (AHPD)	4/30/2029
Special Events Commission	Tripp Turchik	4/30/2029
Special Events Commission	Jennifer Cantore Eichorn	4/30/2029
Special Events Commission	Matthew Fink	4/30/2029
Special Events Commission	Steve Fromm	4/30/2029
Special Events Commission	Colleen Gaughan	4/30/2029
Special Events Commission	Michelle Harris	4/30/2029
Special Events Commission	Brad Katz	4/30/2029
Special Events Commission	Kevin Seifert	4/30/2029
Arts Commission	Erika Cutlip	4/30/2028
Arts Commission	Leena Joshi	4/30/2028
Arts Commission	Janet Souter	4/30/2028

Arts Commission	Kristen Walter	4/30/2028
Board of Trustees of the Police Pension Fund	William Falk (appointed)	4/30/2027
Fire & Police Commission	Lynn Szabo	4/30/2028

Chair appointments / reappointments

<u>Board / Commission</u>	<u>Board / Commission Chair</u>	<u>Term Ending</u>
Board of Local Improvements	John Kazanow	4/30/2026
Zoning Board of Appeals	Benjamin Jaffe	4/30/2026
Board of Health	Jerome Meservey, MD	4/30/2026
Plan Commission	Jay Cherwin	4/30/2026
Design Commission	Kirsten Kingsley	4/30/2026
Building Code Review Board	Patrick O’Gorman	4/30/2026
Environmental Commission	Theresa Jordan	4/30/2026
Housing Commission	Ken Kiefer	4/30/2026
The Arlington Economic Alliance	Andrew Stengren	4/30/2026
Senior Citizens Commission	Fred Vogt	4/30/2026
Youth Commission	Alice Son	4/30/2026
Commission for Citizens with Disabilities	Jennifer Durkin	4/30/2026
Bicycle & Pedestrian Advisory Commission	Richard Lenski	4/30/2026
Special Events Commission	Brad Katz	4/30/2026
Arts Commission	Mary T. Seitz-Paguro	4/30/2026
Fire and Police Commission	Dean Walsh	4/30/2026



VILLAGE OF
ARLINGTON HEIGHTS
— INC. 1887 —

Village Board of Trustees
4/21/2025

Item: Bond Waiver - St Edna Church

Department: Building & Life Safety

Item Description:

St Edna Church is requesting a waiver of the bond requirement for their upcoming raffle held in conjunction with their Bingo Event on May 9, 2025. Tickets will be sold the night of the event from 5:00pm to 9:00pm, with the winner being determined at approximately 9:30pm.

Value of prize: 50/50 split, no more than \$350.00

It is recommended that the Village Board grant a waiver of the bond requirement as requested by St Edna Church.

ATTACHMENTS:

1. LTR ST EDNA CHURCH

St. Edna Church

2525 N. Arlington Heights Road
Arlington Heights, IL 60004-2598
(847) 398-3362 Fax (847) 394-5226

April 1, 2025

Village of Arlington Heights
33 S. Arlington Heights Road
Arlington Heights, IL 60004

To the Village Board of Arlington Heights,

St. Edna Parish will hold a raffle in conjunction with our Bingo Event on May 9, 2025.

As a church and not-for-profit organization, we request a Raffle Bond Waiver for the above date.

We appreciate your consideration.

Sincerely,



Rev. Darrio Boscutti
Pastor



VILLAGE OF
ARLINGTON HEIGHTS
— INC. 1887 —

Village Board of Trustees
4/21/2025

Item: Resolution Approving the Purchase of Pierce Fire Engine
Department: Public Works & Engineering

Item Description:

The Fire Department currently has five fire engines – three frontline and two reserve. Historically, the recommended rotation has each engine serving 12-14 years on the frontline and the remainder of their 20-year lifecycle as a reserve. Due to longer manufacturing lead times staff has had to be more proactive in our replacement procurement.

The engine requiring replacement is a 2009 Pierce Quantum that will reach the end of its full lifecycle in four years. Unfortunately, this engine has an estimated 51-month lead time for delivery once a purchase order is signed. When the Village takes delivery of this new engine, it will go into frontline service in District 2, sending a 2018 Pierce Velocity Engine into reserve status – four years from now. The 2009 Pierce Quantum will then be removed from the fleet and sold at auction.

Traditionally, the Fire Department has budgeted for a 3% annual increase for each new apparatus purchase. From approximately 2006 until 2021, this amount was sufficient. However, the post-pandemic labor and materials market has seen multiple increases greater than 3% within each of the last several years, and lead times that are now over four years long. In addition, Pierce, the manufacturer of all of the Fire Department's current fire apparatus, is experiencing higher labor costs and increases in component costs passed down from their suppliers.

The Fire Department has received a formal proposal from the local authorized dealer, MacQueen Emergency Group of Aurora, Illinois, for the purchase of a Pierce Impel Pumper Engine in the amount of \$1,315,836 (inclusive of \$3,836 for a performance bond) through an active joint purchasing agreement through the Sourcwell Purchasing Cooperative, of which the Village is a member. Submitting this order in the Spring of 2025 will secure delivery in calendar year 2029. As the current emergency vehicle market remains extremely volatile, this arrangement will lock in today's pricing. Purchasing prior to May 14, 2025, also avoids a scheduled price increase of 1.1% (\$14,000). Payment is not due until delivery of the apparatus.

The Fiscal Year 2029 Capital Improvement Plan reflects \$3,204,000 in funding for the replacement of Fire Department Vehicles and contains sufficient funds in account 621-9003-550050 VH9504 for this vehicle purchase.

RECOMMENDATION

It is recommended that the Village Board award MacQueen Emergency Group of Aurora, Illinois, the purchase of one Pierce Impel Pumper Engine for \$1,315,836, with payment not occurring until delivery in 2029, as authorized in the attached Resolution and execute the necessary documents.

ATTACHMENTS:

1. 20250421_Fire_Pierce_Impel_Pumper_Engine_Resolution_and_attachmen
t

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE PURCHASE OF ONE PIERCE IMPEL PUMPER ENGINE
FROM MACQUEEN EMERGENCY GROUP, OF AURORA, 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 eligible to participate in Sourcewell Cooperative Purchasing (“*Sourcewell*”), a purchasing cooperative that permits local governments to purchase and lease commodities and services according to contracts negotiated by Sourcewell, resulting in significant savings for the Village; and

WHEREAS, the Fire Department has identified the need to procure one Pierce Impel Pumper Engine; and

WHEREAS, Sourcewell sought bids for the award of the contract for the purchase of one Pierce Impel Pumper Engine (“*Purchase Contract*”); and

WHEREAS, Sourcewell identified MacQueen Emergency Group, of Aurora, Illinois, as the low responsible bidder for the Purchase Contract; and

WHEREAS, the Village now desires to purchase one Pierce Impel Pumper Engine, in the total amount of \$1,315,836; 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 one Pierce Impel Pumper Engine from MacQueen Emergency Group, of Aurora, Illinois, in the total amount of \$1,315,836, in accordance with Sourcewell 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 one Pierce Impel Pumper Engine from MacQueen Emergency Group, in the total amount of \$1,315,836, in accordance with Sourcewell 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

March 25, 2025

Battalion Chief Ross Chapman
Village of Arlington Heights
1150 N Arlington Heights Road
Arlington Heights, IL 60004

Subject: **Proposal for one (1) Pierce Impel Pumper
Proposal / Bid 1224**

Dear Battalion Chief Chapman,

With regard to the above subject, please find attached our completed proposal.
Pricing, is as follows, including 100% prepay option.

Pricing Summary:

Sale Price – **\$1,312,000.00*** - Includes \$10,000.00 Training Fund.
***Sourcewell Consortium Pricing, Member ID 25388.**

100% Performance Bond:

Should the Village of Arlington Heights elect to have us provide a Performance Bond,
\$3,836.00 will need to be added to the above sale price.

100% Prepayment Option:

Should the Village of Arlington Heights elect to make a 100% prepayment at contract
signing, a discount of (**\$136,472.00**) can be subtracted from the above "Sale Price" resulting
in a revised contract price of **\$1,175,528.00 OR \$1,179,364.00 with Performance Bond.**

Terms and Conditions:

Taxes – Not Applicable

Freight – F.O.B. – Appleton, WI / Shipping to Arlington Heights, IL

Terms – Net due prior to vehicle(s) release at the Pierce Manufacturing Plant
(Appleton, WI). Net due at Contract signing for **Prepay discount** to be
applicable.

Delivery* – 49 - 52 months from receipt and acceptance of contract.

**Due to global supply chain constraints, any delivery date contained herein is a good faith estimate as of the
date of this order/contract, and merely an approximation based on current information. Delivery updates will be
made available, and a final firm delivery date will be provided as soon as possible.*

Said apparatus and equipment are to be built and shipped in accordance with the specifications hereto attached, delays due to strikes, war, or international conflicts, or other causes beyond our control not preventing, could alter the delivery schedule.

The specifications herein contained, shall form a part of the final contract, and are subject to changes as desired by the purchaser, provided such changes are acknowledged and agreed to in writing by the purchaser.

Various state or federal regulation agencies (e.g., NFPA, DOT, EPA) may require changes to the Specifications and/or the Product and in any such event any resulting cost increases incurred to comply therewith will be added to the Purchase Price to be paid by the Customer. Any future drive train upgrades (engine, transmission, axles, etc.) or any other specification changes have not been calculated into our annual increases and will be provided at additional cost. The Company reserves the right to update pricing in response to manufacturer-imposed increases as a result of PPI inflation. The Company will document and itemize any such price increase for the Customer's review and approval before proceeding. Should the customer choose not to accept the pricing update, the customer has the ability to cancel without penalty.

This proposal for fire apparatus conforms with all Federal Department of Transportation (DOT) rules and regulations in effect at the time of bid, and with all National Fire Protection Association (NFPA) Guidelines for Automotive Fire Apparatus as published at the time of bid, except as modified by customer specifications.

The attached proposal is valid **until May 14, 2025**. *After May 14, 2025, Sale Price will increase to approximately \$1,326,000.00.*

We trust the above and the enclosed to be full and complete at this time; however, should you have any questions or require additional information, please do not hesitate to contact me at 630-973-9081 or dan.rudnicki@macqueengroup.com.

We wish to thank the Village of Arlington Heights for the opportunity to submit our proposal.

Respectfully,

Dan Rudnicki

Dan Rudnicki
Apparatus Sales
MacQueen Equipment LLC
DBA MacQueen Emergency Group



Option List

3/25/2025

Customer: Arlington Heights, Village of
Representative Rudnicki, Dan
Organization: MacQueen Emergency Group
Requirements Manager:
Description: Arlington Heights 2029 pumper
Body: Pumper, Medium, Aluminum, 2nd Gen
Chassis: Impel Chassis, 2010

Bid Number: 1224
Job Number:
Number of Units: 1
Bid Date: 05/01/2025
Stock Number:
Price Level: 51 (Current: 51)
Lane:

Line	Option	Type	Option Description	Qty
1	0010012		No Boiler Plates requested	1
2	0661794		Single Source Compliance	1
3	0584456		Manufacture Location, Appleton, Wisconsin	1
4	0584452		RFP Location: Appleton, Wisconsin	1
5	0588609		Vehicle Destination, US	1
6	0670275		Unit to be Similar in some Aspects, Excluding Pump Panel	1
			Fill in Blank - 41717	
7	0816491		Comply NFPA 1900 Changes Effective Jan 1, 2024, With Exceptions	1
8	0533347		Pumper/Pumper with Aerial Device Fire Apparatus	1
9	0588611		Vehicle Certification, Pumper	1
10	0661778		Agency, Apparatus Certification, Pumper/Tanker, U.L.	1
11	0816495		Certification, Vehicle Inspection Program, NFPA 1900	1
12	0000114		Inspection Trip(s)	2
			Qty, - 02	
			Fill in Blank - five (5)	
13	0000000	STF	Service centers	1
14	0536644		Customer Service Website	1
15	0766110		Consortium, Sourcewell	1
16	0537375		Unit of Measure, US Gallons	1
17	0529326		Bid Bond, 10%, Pierce Built Chassis	1
18	0816849		Performance Bond, Not Requested	1
19	0000007		Approval Drawing	1
20	0002928		Electrical Diagrams	1
21	0597579		Impel Chassis, 2010	1
22	0000110		Wheelbase	1
			Wheelbase - 199"	
23	0000070		GVW Rating	1
			GVW rating - 50,000 pounds	
24	0000203		Frame Rails, 13.38 x 3.50 x .375, Qtm/AXT/Imp/Vel/DCF	1
25	0020018		Frame Liner Not Req'd	1
26	0566636		Axle, Front, Dana, D2200, 23,000 lb	1
27	0579308		Suspension, Front Spring, 23,000 lb, Dana Axle	1
28	0000319		Shock Absorbers on Front Axle, Qtm/AXT/Imp/Vel	1
29	0000322		Oil Seals, Front Axle	1
30	0899289		Tires, Front, Goodyear, Armor MAX MSA, 425/65R22.50, 20 ply, Fire Service Load	1
31	0725046		Wheels, Front, 22.50" x 12.25", Steel, Hub Pilot, 24k	1
32	0530466		Axle, Rear, Meritor RS26-185, 27,000 lb, Imp/Vel	1
33	0544253		Top Speed of Vehicle, 68 MPH /109 KPH	1
34	0122075		Suspen, Rear, Standens, Spring, 27,000 lb, Imp/Vel	1
35	0000485		Oil Seals, Rear Axle	1
36	0782805		Tires, Rear, Goodyear, Armor Max MSD, 12R22.50, LRH, Single	1
37	0654797		Wheels, Rear, Accuride, 22.50" x 9.00", Steel, Hub Pilot, Single	1
38	0568081		Tire Balancing, Counteract Beads	1
39	0620570		Tire Pressure Monitoring, RealWheels, AirSecure, Valve Cap, Single Axle	1
			Qty, Tire Pressure Ind - 6	
40	0002045		Mud Flap, Front and Rear, Pierce Logo	1
41	0544802		Chocks, Wheel, SAC-44-E, Folding, (Up to 44" Diameter Tires)	1
			Qty, Pair - 01	
42	0544806		Mounting Brackets, Chocks, SAC-44-E, Folding, Horizontal	1
			Qty, Pair - 01	
			Location, Wheel Chocks - Left Side Rear Tire, Forward	

Line	Option	Type	Option Description	Qty
43	0820509		ESC/ABS/ATC Wabco Brake System, Single Rear Axle, NFPA 1900/ULC	1
44	0690932		Brakes, Bendix, ADB-22X, 17" Disc, Front	1
45	0509206		Brakes, Meritor, EX225, Disc Plus, Rear, Single Axle	1
46	0020784		Air Compressor, Brake, Cummins/Wabco 18.7 CFM	1
47	0000785		Brake Reservoirs, Three	1
			Paint Color, Air Tanks - Black #98	
48	0587033		Air Dryer, Brake, AD-9 w/heat, 2010	1
49	0000790		Brake Lines, Nylon	1
50	0068871		Air Inlet, with Kussmaul Air Eject, Recessed Mount, Location Feature	1
			Location - DS Bumper Extension forward of shoreline	
			Qty, Air Coupling (s) - 1	
51	0060852		Cover, Weatherproof, for Recessed Kussmaul Air Inlet	1
			Color, Kussmaul Cover - h) black	
52	0891350		Compressor, Air, Kussmaul 091-9B-4, 120V Brake System	1
			Location - Mounted behind the driver seat with the battery charger.	
53	0610147	SP	Drain, Remote Air Tank, 1/4 Turn Brass, Banked Under Body w/Labels, All Tanks	1
			Location - under LS3 as far forward as possible	
54	0808533		Engine, Cummins X10, 450 hp, 1250 lb-ft, W/OBD, EPA 2027, Imp/Vel	1
55	0811409		Not Required, Engine Contingency Adjustment	1
56	0001244		High Idle w/Electronic Engine, Custom	1
57	0001236		Not Required, Auxiliary Brake, Alt. Aux. Brake Selected	1
58	0552334		Clutch, Fan, Air Actuated, Horton Drive Master	1
59	0123135		Air Intake, w/Ember separator, Imp/Vel	1
60	0814375		Exhaust System, Horizontal, Right Side	1
			Exhaust, Diffuser - Aluminized Steel (Standard)	
			Exhaust, Material/Finish - Aluminized Steel (Standard)	
			Location, Diffuser Termination - 2.00" Past Rub Rail (Standard)	
			Tip, Exhaust - Straight Tip (Standard)	
61	0816172		Adapter, Exhaust, Plymovent Bladder, for 6" or 7" Diffuser Outlet	1
62	0787999		Radiator, Impel/Velocity	1
63	0511425		Cooling Hoses, Rubber	1
64	0074074		Fuel Tank, 65 Gallon, Left Side Fill, Aluminum	1
			Finish - Unfinished	
65	0001129		Lines, Fuel	1
66	0692516		DEF Tank, 4.5 Gallon, DS Fill, Rear of Axle, Common Door, Spring Flip Door	1
			Door, Material & Finish, DEF Tank - Polished Stainless	
67	0723716		Fuel Priming Pump, Electronic, Automatic, Cummins, No Swt Req'd	1
68	0552712		Not Required, Shutoff Valve, Fuel Line	1
69	0553019		Cooler, Engine Fuel, Imp/Vel, SFR/Enf	1
70	0690880		No Selection Required From This Category	1
71	0887552		Trans, Allison 6th Gen, 3000 EVS PR, w/Prognostics, Imp/Vel/SFR/Enf	1
			Trans. retarder capacity - a. low/1000, 3000 EVS	
			Trans. retarder control - l) Auto 1/3, 2/3, 3/3	
72	0625329		Transmission, Shifter, 5-Spd, Push Button, 3000 EVS	1
73	0797408		Transmission Oil Cooler, Modine, External, w/Modine External Sump	1
74	0024895		Mode, Downshift, Aggressive downshift to 2nd, w/engine brake, 5 speed	1
75	0001370		Driveline, Spicer 1710	1
76	0669989		Steering, Ross TAS-85 w/tilt, Eaton Pump, w/ Cooler	1
77	0001545		Steering Assist Cylinder on Front Axle	1
78	0621843		Steering Wheel, 4 Spoke without Controls, Impel	1
79	0690274		Logo/Emblem, on Dash	1
			Text, Row (1) One - Arlington	
			Text, Row (2) Two - Heights	
			Text, Row (3) Three - Fire Dept.	
80	0592801		Bumper, 26" Extended, Steel, Painted, Imp/Vel	1
81	0607061	SP	Tray, (1) Hose Right Side of Bumper, Approx 12" W, Rolled Bottom	1
			Capacity, Hose Tray - 30' of 5" rolled single jacket hose	
			Grating, Bumper extension - Grating, Rubber	
82	0633453		Hose Restraint, Bumper Tray, Velcro Straps, Pair	1
			Qty, Pair - 01	
83	0510226		Lift & Tow Package, Imp/Vel, AXT, Dash CF	1
84	0522573		Tow Hooks Not Required, Due to Lift and Tow Package	1

Line	Option	Type	Option Description	Qty
85	0698960		Coating, Top Flange, Front Bumper, Outside Exterior, UL-LX Coating, Black	1
86	0668322		Cab, Impel FR, 7010 Raised Roof	1
87	0724237		Engine Tunnel, ISL, Foil Insulation w/Mech Fasteners, Impel/Veloccity FR	1
88	0887600		Cab Insulation, Impel/Veloccity FR	1
89	0677478		Rear Wall, Exterior, Cab, Aluminum Treadplate	1
90	0199683		Cab Lift, Elec/Hyd, w/Manual Override, Unlocked Ind Light, Imp/Vel	1
91	0803676		Grille, Bright Finished, Front of Cab, Impel	1
92	0002224		Scuffplates, S/S At Cab Door Jambs, 4-Door Cab	1
			Material Trim/Scuffplate - c) S/S, Polished	
93	0646179		Trim, S/S, Rect Headlights, VEL/IMP	1
			Material Trim/Scuffplate - c) S/S, Polished	
			Turnsignal Covers - No Covers	
94	0015440		No Chrome Molding, On side of cab	1
95	0521669		Mirrors, Retractable, West Coast Style, Htd/Rmt, w/Htd/Rmt Convex	1
96	0667942		Door, Half-Height, Impel FR 4-Door Cab, Raised Roof	1
			Key Model, Cab Doors - 1041	
			Cab, Exterior Door Handle, Finish - 4-Door, Chrome/Black	
97	0655511		Door Panel, Brushed Stainless Steel, Impel/Veloccity 4-Door Cab	1
98	0667905		Storage Pockets w/ Elastic Cover, Recessed, Overhead, Impel/Veloccity FR	1
99	0667902		Controls, Electric Windows, All Cab Doors, Impel/Veloccity FR	1
100	0744832		Steps, 4-Door Cab, Automatic, Air, Punched Tread Step Surface, Imp/Vel	1
101	0770208		Handrail, Exterior, Hansen, 18" Formed, S/S, 4-Door Cab	1
102	0809508		Lights, Cab & Crw Cab Acs Stps, P25, LED, 4Lts, 4-Door Cab, Auto Steps	1
103	0040475		Crowns, Front Fender, Rubber	1
104	0630056	SP	Window, Side of C/C, Fixed, 10.25" H, Above EMS, Imp/Vel	1
105	0552941		Not Required, Trim, Cab Side Windows, Impel	1
106	0012090		Not Required, Windows, Front/Side of raised roof	1
107	0603142		Windows, Rear CC, (2) 11.25" x 18", Impel	1
108	0553197		Not Required, Trim, Cab Rear Windows, Impel	1
109	0898694		Compt, Transverse C/C, Dbl Pan, 70/90" Vel/Imp	1
			Light, Short Transverse Compt - Pierce, Horizontal	
			Louvers - no louvers	
			Scuffplate, Material/Finish - S/S, Polished	
			Finish, Cab Compt/Component - Spatter Gray	
			Door, Cab Exterior Cabinet - Double Pan, (2), Non-Locking	
			Door, Exterior Stop - 2-Cable	
			Door, Cab Interior Cabinet - Lap, Drop, (2) Lever, Non-Locking, Flush	
110	0898549		Cab Air Filtration, TFT CrewProtect 100, 12v DC, Loc, CARE	1
			Qty, CrewProtect Filter - No additional	
			Location, Occupant Filtration System - Rear Facing, Left Side Cabinet	
111	0893536		Mounting Plate, 3/16" Aluminum, Pegboard, Cab Interior	1
			Location - on top of the engine dog house	
			Qty, - 01	
			Size - to match previous job # 31341	
			Hole Diameter, Pegboard/Toolboard - .203" diameter	
			Mounting Provision Spacing - .75"	
			Material Finish, Cab Interior - Painted	
112	0748680		Cab Interior, Vinyl, Painted Walls, Imp/Vel FR, CARE	1
			Color, Cab Interior Vinyl/Fabric - Endure Vinyl - Silver/Gray	
			Cab Interior Rear Wall Material - Painted Aluminum	
113	0667943		Cab Interior, Paint Color, Impel/Veloccity FR	1
			Color, Cab Interior Paint - a) gray	
114	0509532		Floor, Rubber Padded Cab & Crew Cab, Imp/Vel, Dash CF	1
115	0741239		HVAC, Heavy-Duty, Impel/Veloccity FR, CARE	1
			Paint Color, A/C Condenser - Painted to Match Cab Roof	
			HVAC System, Filter Access - Removable Panel	
			Auxiliary Cab Heater - Both	
116	0627914		Sun Visor, Smoked Lexan, Rubber Trim, AXT, Imp/Vel, SFR/Enf	1
			Sun Visor Retention - Thumb Latch	
117	0548173		Grab Handles, Driver and Passenger Door Post, Imp/Vel	1
118	0002526		Light, Engine Compt, All Custom Chassis	1
119	0122516		Fluid Check Access, Imp/Vel	1
			Latch, Door, Storage - Lift and Turn Latch, Flush	

Line	Option	Type	Option Description	Qty
120	0026847		Map box, 4 bin, Spcl Size Feature Values Location - location at pick up Size, Long - 25.00" Size, High, - 8.00" high Size, Wide - 12.50" wide	1
121	0583042		Side Roll and Frontal Impact Protection	1
122	0622619		Seating Capacity, 4 Belted Seats	1
123	0697005		Seat, Driver, Pierce PS6, Premium, Air Ride, High Back, Safety, PRIMARY	1
124	0696994		Seat, Officer, Pierce PS6, Premium, Air Ride, SCBA, Safety, PRIMARY	1
125	0002517		Not Required, Radio Compartment	1
126	0831272	SP	Cabinet, Rr Facing, LS, 24 W x 28 H x 28 D, Lap, Ext Acc, Sp Mtg, Imp/Vel Light, Short Cabinet - Pierce, Interior, Left Side Scuffplate, Material/Finish - S/S, Polished Material Finish, Shelf - 0-No Shelving Shelf/Tray, Cabinet - (0) None Door, Cab Exterior Cabinet - Double Pan, Non-Locking Door, Exterior Stop - Stay Arm Door, Cab Interior Cabinet - Lap, IB, D-Ring, Non-Locking Louvers, Cabinet - 0-No Louvers	1
127	0102783		Not Required, Seat, Rr Facing C/C, Center	1
128	0759775	SP	Cabinet, Rear Facing, RS, 21.5 W x 28 H x 24 D, Lap, Ext Acc, Sp Mtg, Imp/Vel Light, Short Cabinet - Pierce, Interior, Right Side Scuffplate, Material/Finish - S/S, Polished Material Finish, Shelf - 0-No Shelving Shelf/Tray, Cabinet - (0) None Door, Cab Exterior Cabinet - Double Pan, Non-Locking Door, Exterior Stop - Stay Arm Door, Cab Interior Cabinet - Lap, IB, D-Ring, Non-Locking Louvers, Cabinet - 0-No Louvers	1
129	0645433		Seat, Fwd Fcng C/C, LS Otrbd, Pierce PS6, Base, SCBA, Safety, 3" Inbrd,SECONDARY	1
130	0832419	SP	Cabinet, Fwd Fcng, Ctr, 32 W x 48 H x 24 D, Web, Imp/Vel False Floor, EMS Cabinet - False Floor, Sweep Out Style Light, Short Cabinet - Pierce, Interior, Right Side Material Finish, Shelf - Painted - Cab Interior Shelf/Tray, Cabinet - (2) Shelves, Adjustable, 0.75" Up-Turned Lip Louvers, Cabinet - 0-No Louvers Fastener, Web, Cab Cabinet - 1" Side Release, Bottom	1
131	0645431		Seat, Fwd Fcng C/C, RS Otrbd, Pierce PS6, Base, SCBA, Safety, 3" Inbrd,SECONDARY	1
132	0892253	SP	Cabinet, Rr Fcng, Top Eng Tnl, 47.5 W x 10 H x 12 D, Top Liftup,No Lt,Imp/Vel FR Door, Exterior Stop - Stay Arm (2) Door, Cab Interior Cabinet - Lap, Liftup, (2) Latches, Non-Locking Louvers, Cabinet - 0-No Louvers	1
133	0644702		Compt, Storage, (2) Rear Facing, Overhead, 22 W x 10 H x 20 D, Imp/Vel FR Latch, Storage Compt - a) Non Locking Light, Overhead Compt - Pierce, Horizontal Mounted	1
134	0766467		Upholstery, Seats In Cab, All Vinyl, Seats Inc, CARE Color, Cab Interior Vinyl/Fabric - Endure Vinyl - Black Qty, - 04	4
135	0543991		Bracket, Air Bottle, Hands-Free II, Cab Seats Qty, - 03	3
136	0603867		Seat Belt, ReadyReach Seat Belt Color - Red	1
137	0604867		Seat Belt Height Adjustment, 4 Seats, Imp/Vel, Dash CF	1
138	0817557		Helmet Storage, Provided by Fire Department, NFPA/ULC 2024	1
139	0647647		Lights, Dome, FRP Dual LED 4 Lts Color, Dome Lt - Red & White Color, Dome Lt Bzl - Black Control, Dome Lt White - Door Switches and Lens Switch Control, Dome Lt Color - Lens Switch	1
140	0813183		Not Required, Enhanced Software for Cab and Crew Cab Dome Lts	1
141	0631776		Not Required, Overhead Map Lights	1

Line	Option	Type	Option Description	Qty
142	0649587		Light, Map, Federal Littlite, LED, Gooseneck Location - on the passenger side "A" post hanging upside down Qty, - 01 12vdc power from - Ignition power Length, Gooseneck - 18" Control, Map Light - On/Off Gooseneck Exit, Map Light - Top Wire Exit, Map Light - Side	1
143	0774463		Handlts, (4) Streamlight, Vulcan 180, 44315, 12v, Orange Location, Portable Hand Light - (1) near officer on tunnel to match previously installed location on 41717, (2) on top of DS rear facing EMS bulbs facing forward compartment (1) on top of PS EMS bulb facing forward	1
144	0568369		Cab Instruments, Ivory Gauges, Chrome Bezels, Impel/Velocity 2010	1
145	0509511		Air Restriction Indicator, Imp/Vel, AXT, Dash CF, Enf MUX	1
146	0582761		Light, Do Not Move Apparatus, Tomar 270LF Red LED Alarm, Do Not Move Truck - Pulsing Alarm	1
147	0509042		Messages, Open Dr/DNMT, Color Dsply,	1
148	0611681		Switching, Cab, Membrane, Impel/Velocity/Quantum, Dash CF, AXT WiFi MUX Location, Emerg Sw Pnl's - Driver's Side Overhead	1
149	0555915		Wiper Control, 2-Speed with Intermittent, MUX, Impel/Velocity	1
150	0821298		Wiring, Spare,12V DC, USB-A, USB-C AlfredDireck Batt Dir 1st NFPA1900/ULC Qty, - 02 12vdc power from - Battery direct Location - On the pass side of the instrument panel As marked on the IP layout.	2
151	0777752	SP	Wire, CAT 6, Unterminated, Spare, 2nd Location 2 - to recessed dash in front of the officer with option 660855 Location - This wire goes from the modem behind the officer seat to the recess dash area in front of the officer with CAT 6 connectors on each end and 24" pigtail at the recess dash area.	1
152	0821452		Wiring, Spare, 40 A 12V DC 1st NFPA1900/ULC Qty, - 01 12vdc power from - Battery switched Wire termination - Stud Location - behind overhead switch Pos B on the instrument switch panel drawings with 24" pigtails and labeled	1
153	0795106	SP	Wire, CAT 6, Unterminated, Spare, 1st Location 2 - forward engine housing under mounting plate with option 660855 Location - This wire goes from the modem behind the officer seat to the mounting plate on top of the engine at the forward area with CAT 6 connectors on each end and 24" pigtail at the mount plate area.	1
154	0820894		Wiring, Spare, 15 A 12V DC, Batt Dir, 1st NFPA1900/ULC Location, Wiring - Location 14 to the far right 12vdc power from - Battery direct Wire termination - 15 amp power point plug	1
155	0821498		Wiring, Spare, 5 A 12V DC 1st Batt Dir NFPA1900/ULC Qty, - 02 12vdc power from - Battery direct Wire termination - Butt Splice Location - one going to the forward part of the mounting plate over the engine dog house with 24" pigtails and one to behind the officer seat with a 24" pigtail	2
156	0821499		Wiring, Spare, 5 A 12V DC 2nd Batt Dir NFPA1900/ULC Qty, - 01 12vdc power from - Isolated battery Wire termination - Butt Splice Location - to the recess dash area in front of the officer with a 24" pigtail	1
157	0566101		Recess, Dash Panel, Officer Side, Vel/Imp	1
158	0814601		Vehicle Information Center,LCD On Gauge Cluster,7" Clr Disp,Touchscrn,Imp,CL714 Location, CZ Display - DS Instrument Panel, Impel Camera System System Of Measurement - US Customary	1
159	0816633		Collision Mitigation, HAAS Alert (R2V), HA7 Subscription, HAAS R2V - R2V - 5 Year Data Plan Subscription	1

Line	Option	Type	Option Description	Qty
160	0606247		Vehicle Data Recorder w/CZ Display Seat Belt Monitor	1
161	0809324		Intercom, Firecom 5200D Dual Radio, 1 Wireless Base Station V2, 1-5 Wireless	1
			Location - Officers side overhead location #4	
162	0657152		Cable, Radio to Intercom Interface, Firecom, 2 Radios	1
			Radio, First Two-Way Model - Motorola PM 400 dash mount	
			Radio, Second Two-Way Model - Motorola APX 6500	
			Radio, First Two-Way Make - Motorola High Power	
			Radio, Second Two-Way Make - Motorola High Power	
163	0602376		Headset, Firecom, Wireless, UHW-505.V2 Under Helmet, Radio Transmit	4
			Qty, - 04	
			Location, Headset - Driver Seat, Officer Seat, DS Outbrd, Fwrdr Fcng	
			Seat and PS Outbrd, Fwrdr Fcng Seat	
164	0819255		Hangers For Headsets, NFPA/ULC 2024, Each	4
			Qty, - 04	
			Location, Headset Hangers - Driver Seat, Officer Seat, DS Outbrd, Fwrdr	
			Fcng Seat and PS Outbrd, Fwrdr Fcng Seat	
165	0640003		Install Customer Provided Modem	1
			Location - mounted behind the officer seat to the interior side wall of the	
			cab as low as possible to match 31341	
			Qty, - 01	
166	0597940		Install Customer Provided Two-Way Radio Speaker(s)	2
			Location - to match job # 38186 just outside the AC unit on the ceiling	
			with the 800 above the officer and VHF above the driver	
			Qty, - 02	
167	0616382		Install Customer Provided GPS/Multimode Antenna(s)	1
			Qty, - 01	
168	0559156		Install Customer Provided Two-Way Radio(s)	2
			Location - 800 MHZ radio going in location 15 and the VHF radio going in	
			position B to match the marked up panel drawing	
			Qty, - 02	
169	0699100		Install Customer Provided Key Storage, Knox Box, in Cab	1
			Location - on the upper right hand corner of the face of the lowered dash	
			area Infront of the officer to match 39648	
			Qty, - 01	
170	0660489		Antenna Mount, Custom Chassis, Fill in Blank Mounting and Cable Locations	2
			Location - behind the cab roof lightbar, one on each end	
			Qty, - 02	
			Location 1 - Overhead switch panel #5 and 6	
171	0788749	SP	Camera, Pierce, LS Mux, RS, R, Cameras, Audio Reverse	1
			Camera System Audio - Speaker Near Drivers Knee (VEL/IMP/Dash CF	
			ONLY)	
172	0814831		Not Required, Camera Switcher	1
173	0890427		Pierce Command Zone, Advanced Electronics & Control System, Impel, WiFi CZT	1
			Color, Antenna - Black Antenna	
			Module Housings - Black Housing with Power and Status Ind	
174	0896456		Prognostics, Electrical System	1
175	0730601		Electrical System, Impel ESP, Cummins, Paccar	1
176	0079196		Batteries, (4) Stryten/Exide Grp 31, 950 CCA ea, (1) Iso Bat, Threaded Stud	1
177	0008621		Battery System, Single Start, All Custom Chassis	1
178	0123174		Battery Compartment, Imp/Vel	1
179	0812586		Charger, Sngl Sys, Kussmaul, Chief 091-266-12-60, 60 Amp	1
180	0814893		Location, Body, Charger, Front Side Compartment, LS	1
			Location, Comp Body - High On Left Wall	
181	0811943		Panel, Remote Control, Kussmaul, Chief 091-266-RCP	1
182	0814942		Location, Cab, Ind/Remote, Driver's Seat with Bracket	1
183	0016848		Shoreline, 20A 120V, Kussmaul Auto Eject 091-20WP-120	1
			Qty, - 01	
			Color, Kussmaul Cover - b) red	
			Connection, Shoreline - the battery charger and all shoreline receptacles	
184	0026800		Shoreline Location	1
			Location, Shoreline(s) - DS Extd Bumper	
185	0647728		Alternator, 430 amp, Delco Remy 55SI	1
186	0092582		Load Manager/Sequencer, MUX	1
			Enable/Disable Hi-Idle - e)High Idle enable	

Line	Option	Type	Option Description	Qty
187	0720839		Switch, CZ Display Only, Load Manager	1
188	0783157		Headlights, Rect LED, JW Spkr Evo 2, Heat, AXT/DCF/Enf/Imp/Sab/Vel Color, Headlight Bez - Chrome Bezel	1
189	0648425		Light, Directional, Wln 600 Cmb, Cab Crn, Wrp Bzl Out HD Lts, Imp/Vel/AXT/Qtm Color, Lens, LED's - m)match LED's	1
190	0620054		Light, Directional/Marker, Intermediate, Weldon 9186-8580-29 LED 2lts	1
191	0648074		Lights, Clearance/Marker/ID, Front, P25 LED 7 Lts	1
192	0627282		Lights, Clearance/Marker/ID, Rear, FRP LED Bar & P25 LED 4Lts	1
193	0804514		Lights, Tail, Wln M62BTT* Red Stop/Tail & M62T* Amber Dir Arw For Hsg Color, Lens, LED's - Match Flash Pattern, Directional Lts - Steady On (Arrow)	1
194	0806466		Lights, Backup, Wln M62BU, LED, For Tail Lt Housing	1
195	0663884		Bracket, License Plate & Light, P25 LED, Temp Under Tailbrd Location - on the driver side	1
196	0556842		Bezels, Wln, (2) M6 Chrome Pierce, For mtg (4) Wln M6 lights	1
197	0589905		Alarm, Back-up Warning, PRECO 1040	1
198	0564535		Light, Marker, Britax Rubber Arm, Model L427.203.L12 LED, Red/Amb, Qty/Loc Location, Lights - at the rear lower corners of the side body compartments Qty, Lights (pair) - 1	1
199	0758571		Lights, Perimeter Cab, CLC-1049-12-AL LED 4Dr, Pwr Step, Vel/Imp	1
200	0769572		Lights, Perimeter Pump House, Amdor AY-LB-12HW020 LED 2lts	1
201	0891890	SP	Lights, Perimeter Body, Truck-Lite 6060C LED 2ts, Rear Step, SS Brkt, SS Screws Control, Perimeter Lts - DS Switch Panel and Parking Brake Applied	1
202	0896454		Enhanced Software for Perimeter Lts	1
203	0556337		Lights, Step, P25 LED at Rear Tailboard, 2lts Perm Lts	1
204	0586885		Bracket, Alum. Painted, 12V Recessed Flood Lights, Side Sheet, Each Location - The four lights mounted to the side sheet, two each side. Qty, - 04	4
205	0648254		Light, Wln, 12V PCP3P Pioneer LED Fld/Spt, Pole Mt 1st Location, Lights - on the back of the driver side of the cab Qty, - 01 Switch, Lt Control 1 DC,1 - e) Pump Operators Panel Switch, Lt Control 2 DC,2 - e) No Control Switch, Lt Control 3 DC,3 - d) No Control Switch, Lt Control 4 DC,4 - d) No Control Color, Wln Lt Housing - Black Paint Poles, W - Side Body/Surface Mount, Push-Up Pole, w/Ind Lt Handle Holder and Up Ind Sw W - With Handle Holder Pole Length W - 12.00" Outside Pole	1
206	0648253		Light, Wln, 12V PCP3P Pioneer LED Fld/Spt, Pole Mt 2nd Location, Lights - on the back of the passenger side of the cab Qty, - 01 Switch, Lt Control 1 DC,1 - e) Pump Operators Panel Switch, Lt Control 2 DC,2 - e) No Control Switch, Lt Control 3 DC,3 - d) No Control Switch, Lt Control 4 DC,4 - d) No Control Color, Wln Lt Housing - Black Paint Poles, W - Side Body/Surface Mount, Push-Up Pole, w/Ind Lt Handle Holder and Up Ind Sw W - With Handle Holder Pole Length W - 12.00" Outside Pole	1
207	0735836		Light, Roof Mt, HiViz, FT-B-46-*-, Cnt Feature Control, Scene Lts - Cab Sw Panel DS Color, Lt Housing HiViz - Black Scene Light Optics - Flood/Spot	1
208	0768062		Lights, Wln, PCPSM1* Pioneer, 12 VDC, 2nd Location - Ahead of the passenger side crew cab door up high. Qty, - 01 Color, Wln Lt Housing - Black Cover Control, Scene Lts - Cab and Crew Cab Dr Sw, PS and PS Scene Lts	1
209	0768064		Lights, Wln, PCPSM1* Pioneer, 12 VDC, 1st Location - ahead of the driver side crew cab door up high Qty, - 01 Color, Wln Lt Housing - Black Cover	1

Line	Option	Type	Option Description	Qty
209			Control, Scene Lts - Cab and Crew Cab Dr Sw, DS and DS Scene Lts	
210	0763608		Lights, Wln, PCPSM2*, Pioneer, 12 VDC, 2nd	2
			Location - two on the pass side hose bed side sheets, 1 forward and 1 rearward.	
			Qty, - 02	
			Color, Wln Lt Housing - Chrome Cover	
211	0762314		Control, Scene Lts - Cab Sw Panel DS and Pump Panel Sw LS	
			Lights, HiViz FT-MB-9-TR-*-* 13.87", 1st	2
			Location - mounted on the rear cross tube one on each side of the rear traffic director in the treadplate box.	
			Qty, - 02	
			Control, Scene Lts - Cab Sw Panel DS and Body Switch, DS Rear	
			Bulkhead	
			Color, Lt Housing HiViz - Black	
			Scene Light Optics - combination	
212	0763610		Lights, Wln, PCPSM2*, Pioneer, 12 VDC, 1st	2
			Location - two on the driver side hose bed side sheets, 1 forward and 1 rearward.	
			Qty, - 02	
			Color, Wln Lt Housing - Chrome Cover	
			Control, Scene Lts - Cab Sw Panel DS and Pump Panel Sw LS	
213	0645675		Lights, Not Required, Hose Bed, Alt. Pole Lights On Back Of Cab/In Pump House	1
214	0645677		Lights, Not Required, Rear Work, Alt. 12 Volt Lights At Rear Body	1
215	0709438		Lights, Walk Surf, FRP Flood, LED	1
216	0060115		Pumper, Medium, Aluminum, 2nd Gen	1
217	0554271		Body Skirt Height, 20"	1
218	0558020	SP	Tank, Water, 750 Gallon, Poly, Med, New York Style, "L"-Shaped	1
219	0003405		Overflow, 4.00" Water Tank, Poly	1
220	0028104		Foam Cell Required	1
221	0788273	SP	Drain, Tank, Akron - 1.00", Mounted to Sump Only	1
222	0635329		Modified Poly Tank & Cradle, Ext'd To Rear, Pumper	1
223	0633066		Sleeve, Through Tank	2
			Qty, Sleeve - 2	
			Water Tank Sleeve - Plumbing/Hydraulic Diameter - 3" Plumbing	
224	0553725		Restraint, Water Tank, Heavy Duty, Special Type Tank, 4x4, or Export	1
225	0003429		Not Required, Direct Tank Fill	1
226	0003424		Not Required, Dump Valve	1
227	0048710		Not Required, Jet Assist	1
228	0030007		Not Required, Dump Valve Chute	1
229	0514778		Not Required, Switch, Tank Dump Master	1
230	0815391		Hose Bed, Aluminum, Pumper, New York Style, Fill in the Blank Height	1
			Fill in Blank - approx 65.5"	
			Material Trim/Scuffplate - c) S/S, Polished	
231	0723549		Painted Hose Bed	1
			Paint Color, Hose Bed Interior - Match Lower Body	
232	0003481		Hose Bed Capacity, Special	1
			Capacity, Hosebed - EMPTY above LS full depth compartments /500' of 3" rubber hose in bed 1, 700' of 5" rubber hose in bed 2, 500' of 2.5" rubber hose in bed 3, 150' of 1.75" hose in bed 4, 200' of 2.5" hose in bed 5 and 100' of 2.5" in bed 6	
233	0083488		Divider, Hose Bed, .25" Unpainted	3
			Qty, Hosebed Dividers - 3	
234	0815208		Cover, Hose Bed, Alum Treadplate, Bolted T-Bar, 4-Section	1
235	0807336		Hose Restraint, Hose Bed, Vinyl, Rear, Separate From Top	1
			Color, Vinyl Cover - a) red	
			Vinyl Flap Weight - Not Weighted	
			Fastener, Rear Restraint, Top - Quarter Turn	
			Fastener, Rear Restraint, Bottom - Spring Clip and Hook	
236	0519607		Storage, Poly Hose Tray, Below Main Hose Bed	1
			Fill in Blank - 3 equally sized hose tray	
			Location, driver's/passenger's/center - Left & Right	
237	0097956		Hose Tray, Poly, Removable, Hose Bed, Deluxe	3
			Location - under the main hose bed	
			Qty, - 03	

Line	Option	Type	Option Description	Qty
237			Size - equally for the opening	
238	0653470		Side Sheet, Special Height	1
			Size - Match 41717	
239	0681824		Door, Access, Aluminum Hose Bed Cover, Each	1
			Qty, - 1	
			Latch, Door, Storage - Lift and Turn Latch, Flush	
			Location - over the tank fill neck on the driver side of the vehicle	
240	0768954	SP	Location, Handles, Chrome, Aluminum HB Cover, Oriented front to back Lengthwise	1
241	0013512		Running Boards, 12.75" Deep	1
242	0689412		Tailboard, 16" Deep, Full Width, Extended Substructure	1
243	0815881		Wall, Rear, Smooth Aluminum/Body Material, Flush Rear Wall	1
244	0889214		Tow Eyes, w/Tow Bar, 2G Pumper **	1
245	0083516		Rubber Bumper, Rear Tailboard	1
246	0895820		Construction, Compt, Alum, 2G Pumper	1
247	0569277		LS 152" Lap, Full Height & Depth Front & Rear, Double Door Over Wheel	1
248	0658182		RS 152" Lap, Full Height Front & Rear, FDLER, Double Door Over Wheel	1
249	0063911		Doors, Lap w/ "D" Handles - Side Compartments	1
250	0829960	SP	Compt, Rear, Rollup, 26.75" FF, 25.88" D	1
251	0692746		Door, Gortite, Rollup, Rear Compartment	1
			Color, Roll-up Door, Gortite - Satin finish	
			Latch, Roll-up Door, Gortite - Non-Locking Liftbar	
252	0554995		No Body Modification Required	1
253	0625184		Guard, Drip Pan, S/S, Rollup Door, Pumper	1
			Qty, Door Accessory - 01	
			Location, Door Guard/Drip Pan - B1	
254	0616670		Lights, Compt, Pierce LED, Dual Light Strips, Each Side of Door, Pumper/Tanker	6
			Qty, - 06	
			Location, Compartment Lights - LS1, LS2, LS3, RS1, RS2 and RS3	
255	0652767		Lights, Compt, Pierce, LED Light Strip, 18", Additional	2
			Location, Lights - in compartment B1, front to back, in the upper side corners at the ceiling	
			Qty, - 02	
256	0687146		Shelf Tracks, Painted	6
			Qty, Shelf Track - 06	
			Location, Shelf Track - LS1, LS2, LS3, RS1, RS2 and RS3	
257	0637376	SP	Shelves, Adjustable, Special Width/Depth, Painted	1
			Qty, Shelf - 01	
			Location, Shelf - Behind the swing out tool board in LS2	
			Dimensions - full width x 12" deep shelf	
258	0600350		Shelves, Adj, 500 lb Capacity, Full Width/Depth, Predefined Locations	11
			Qty, Shelf - 11	
			Material Finish, Shelf - Painted - Spatter Gray	
			Location, Shelves/Trays, Predefined - RS1-Transition Point, RS3-Transition Point, RS2-Centered, RS1-Lower Third, RS3-Lower Third, RS3-Upper Third, RS1-Upper Third, LS1-Centered, LS3-Centered, LS3-Lower Third and LS3-Upper Third	
259	0709692		Tray, 215 lb, Tilt/Slide-Out, 30 Deg, Adj, Predefined Locations	2
			Qty, Tray (slide-out) - 02	
			Location, Shelves/Trays, Predefined - LS3-Upper Third and LS1-Upper Third	
			Material Finish, Tray - Painted - Spatter Gray	
260	0616918		Tray, Floor Mounted, Slide-Out, 500lb, High/Special Side Height, 2G	1
			Qty, - 01	
			location - LS1	
			Material - paint to match compt interior	
			Tray, Side Height, Front - 2"	
			Tray, Side Height, Rear - 9"	
			Tray, Side Height, Right & Left - 9"	
261	0540317		Toolboard, Swing-out, Alum, .188", Peg Board	1
			Qty - 1	
			Location, Pivot - Front	
			Mounting, Toolboard - Adjustable Frt-back	
			Hole Diameter, Pegboard/Toolboard - .203" diameter	
			Finish, Pegboard/Toolboard - Painted - Spatter Gray	

Line	Option	Type	Option Description	Qty
261			Location, Toolboard - LS2 - Full Height/Width	
262	0755527		Pegboard, Back Wall Mounted, 3/16" Alum, Standard Depth Upper	1
			Qty, Comp. Accessory - 01	
			Hole Diameter, Pegboard/Toolboard - .203" diameter	
			Finish, Pegboard/Toolboard - Painted - Spatter Gray	
			Location, Compartment, Predefined - RS1	
263	0004016		Rub Rail, Aluminum Extruded, Side of Body	1
264	0784809		Fender Crowns, Rear, Rubber, w/Removable Liner	1
			Material Finish, Fender Liner - Painted Aluminum Lower Body	
265	0519849		Not Required, Hose, Hard Suction	1
266	0755630	SP	Handrails, Side Pump Panels, Per Print, 30" & 18" Hansen Formed S/S	1
267	0004126		Handrails, Beavertail, Standard	1
268	0082756		Handrail, Rear, Below Hose Bed	1
269	0651800	SP	Compt, Air Bottle, Triple, Fender Panel, Special Partition	1
			Qty, Air Bottle Comp - 1	
			Configuration - to hold two (2) water cans and (1) air bottle. There will be a vertical partition below the horizontal partition that splits the compartment into a top and bottom section. Replacing option 786964 on job #31341	
			Door Finish, Fender Compt - Painted Black 101	
			Location, Fender Compt - Triple - RS Rear	
			Latch, Air Bottle Compt - Flush Lift & Turn, Black	
			Insert, Air Bottle Compt - Dura-Surf Lining and Strap Loop	
270	0657522		Compt, Air Bottle, Triple, Fender Panel	1
			Qty, Air Bottle Comp - 1	
			Door Finish, Fender Compt - Painted Black 101	
			Location, Fender Compt - Triple - LS Fwd	
			Latch, Air Bottle Compt - Flush Lift & Turn, Black	
			Insert, Air Bottle Compt - Dura-Surf Lining and Strap Loop	
271	0769217	SP	Compt, Air Bottle, Triple, Fender Panel, 45 Degree Partition Only	1
			Qty, Air Bottle Comp - 1	
			Door Finish, Fender Compt - Painted Black 101	
			Location, Fender Compt - Triple - PS Fwd	
			Latch, Air Bottle Compt - Flush Lift & Turn, Black	
			Insert, Air Bottle Compt - Dura-Surf Lining and Strap Loop	
272	0004224		Ladder, 28' Duo-Safety 1200-A 2-Sect	1
273	0004230		Ladder, 14' Duo-Safety 775A Roof	1
274	0693815		Rack, Ladders, Hydraulic, RS, Air Clamps, Manual Override	1
			Ladder Rack Lock Enclosure/Light Mounting Bracket - RS Front & Rear S/S Enclosures	
			Location, Hydraulic Ladder Rack Controls - Pump Panel	
275	0755556		Lights, Hyd Lad Rack Deployed, Wln M4**	1
			Color, Light - Amber Flashing	
			Color, Lens, LED's - Match	
			Trim, Wln - Black Trim	
276	0733387		Ladder, 10' Duo-Safety Folding 585A	1
277	0818711	SP	Storage Box, Folding Ladder, Hydraulic Ladder Rack, Strap	1
278	0564381		Hydraulic Pump, Ladder Rack, Special Location	1
			Location - passenger side pump panel as shown on AD print	
279	0559236	SP	Access Panel, for Hydraulic Ladder Pump, Located on Pump Panel, IPOS	1
280	0816920		Pike Pole, Provided by Fire Department, NFPA/ULC 2024	1
			Qty, - 01	
			Pike Pole Make/Model - Duo-Safety 8' Pike Pole	
281	0816918		Pike Pole, 6', Provided by Fire Department, NFPA/ULC 2024	1
			Qty, - 01	
			Pike Pole Make/Model - Fire Hooks Unlimited 6' New Yorker Pike Pole	
282	0004361		Tubes, Alum, Pike Pole Storage	2
			Qty, Pike Pole Tubes - 02	
			Location, Pike Pole Tube - Hyd Ladder Rack	
283	0593083		Step, Folding, Front of Body, Left Side, w/LED, Trident	1
			Coating, Step - black	
284	0592994		Steps, Folding, Rear of Body, w/LED, Trident	1
			Coating, Step - black	
285	0724153		Step, Folding - Extra, Body Only, w/LED, Trident	2
			Qty, Folding Step - 02	

Line	Option	Type	Option Description	Qty
285			Location, Additional Step - four (4) on the driver side front bulkhead between the bottom step and the step shield	
			Coating, Step - black	
286	0586899		Step, Cargo Area, Ea.	1
			Qty, - 01	
			Fill in Blank - over the cord reel on the driver side to match 31341	
287	0007545		Pump House, Side Control, 45", Control Zone	1
288	0035500		Raised Pump House Structure, Side Control	1
289	0814153		Heat Enclosure, Lower, Side Control	1
			Latch, Heat Enclosure Pans - Spring Loaded "T" Handle Hood Hook	
290	0004435		Pump, Waterous, CSU, 2000 GPM, Single Stage	1
291	0004482		Seal, Mechanical, Waterous	1
292	0816447		Trans, Pump, Waterous C22 Series	1
293	0635600		Pumping Mode, Stationary Only	1
294	0605126		Pump Shift, Air Mnl Override, Split Shaft, Interlocked, Waterous	1
295	0003148		Transmission Lock-up, EVS	1
296	0004547		Auxiliary Cooling System	1
297	0014486		Not Required, Transfer Valve, Single Stage Pump	1
298	0737989		Valve, Relief Intake, Waterous	1
			Qty - 1	
			Pressure Setting - 125 psig	
299	0721609		Controller, Pressure, Pierce LCD, Custom Chassis	1
			Pressure Governor Throttle Control - Clockwise	
			Pressure Governor Default Mode - Pressure Setting	
300	0072153		Primer, Trident, Air Prime, Air Operated	1
301	0044552		Line, 0.50" Recirculating w/Check Valve	1
302	0894571		Outlet, 0.75" Garden Hose, Fed From Water Pump w/PPV, "T" Swing Handle, CARE	1
			Location, Outlet - Left Side Pump Panel	
			Qty, - 01	
303	0780364		Manuals, Pump, (2) Total, Electronic Copies	1
304	0602512		Plumbing, Stainless Steel and Hose, Single Stage Pump, Control Zone	1
305	0795135		Plumbing, Stainless Steel, w/Foam System	1
306	0004645		Inlets, 6.00" - 1250 GPM or Larger Pump	1
307	0014650		Pump Suction Tube(s), Short, All	1
308	0820184		Cap, Main Pump Inlet, Provided by Fire Department, NFPA/ULC 2024	1
309	0084610		Valves, Akron 8000 series- All	1
310	0016158		Valve, Inlet(s) Recessed, Side Cntrl, "Control Zone"	1
			Qty, Inlets - 1	
311	0004700		Control, Inlet, at Valve	1
312	0004660		Inlet (1), Left Side, 2.50"	1
313	0029147		Not Required, Inlet, Right Side	1
314	0897254		Inlet, 4" to 6" Front, 5" Plumbing, 4.00" Valve, w/Bleeder, Top of Bumper	1
			Inlet, Size - Six	
			Drain, Suction - T Swing Handle	
			Inlet, Front, Plumbing - Black Iron Pipe	
315	0767500		Control, Front Inlet, Akron 9333 Elec Controller, w/Override, Access Door	1
316	0755136		Valve, Relief Intake, Front Inlet, Elkhart	1
			Pressure Setting - 125 psig	
317	0732444		Swivel, Front Inlet, 4.00" to 6.00", w/Drain	1
			Inlet, Size - 6.00" inlet	
			Inlet Bleeder - Quarter-Turn Style Bleeder	
			Finish, Front Inlet Elbow/Adapter - lower job color	
318	0820182		Cap, Front Inlet, Long Handle, Provided by Fire Department, NFPA 2024	1
319	0092569		No Rear Inlet (Large Dia) Requested	1
320	0064116		No Rear Inlet Actuation Required	1
321	0092696		Not Required, Cap, Rear Inlet	1
322	0009648		No Rear Intake Relief Valve Required on Rear Inlet	1
323	0092568		No Rear Auxiliary Inlet Requested	1
324	0723049		Valve, .75" Bleeder, Aux. Side Inlet, "T" Swing Handle	1
325	0029043		Tank to Pump, (1) 3.00" Valve, 3.00" Plumbing	1
326	0004905		Outlet, Tank Fill, 1.50"	1
327	0062133		Control, Outlets, Manual, Pierce HW if applicable	1

Line	Option	Type	Option Description	Qty
328	0004940		Outlet, Left Side, 2.50"	2
			Qty, Discharges - 02	
329	0005091		Elbow, Left Side Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
330	0092570		Not Required, Outlets, Left Side Additional	1
331	0035094		Not Required, Elbow, Left Side Outlets, Additional	1
332	0004945		Outlet, Right Side, 2.50"	1
			Qty, Discharges - 01	
333	0025091		Elbow, Right Side Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
334	0092571		Not Required, Outlets, Right Side Additional	1
335	0089584		Not Required, Elbow, Right Side Outlets, Additional	1
336	0816625		Outlet, Large Diameter, Right Side, Akron Valve	1
			Outlet, Large Diameter, Plumbing - 4.00"	
			Outlet, Large Diameter, NST Adapter - 4.00" MNST	
			Outlet, Large Diameter, Valve Actuation - Pierce large handwheel	
337	0005097		Elbow, Large Dia Outlet, 30 Deg, 4.00" FNST x 5.00" Storz	1
			Qty, - 01	
338	0092572		Not Required, Outlet, Front	1
339	0004995		Outlet, Rear, 2.50"	2
			Qty, Discharges - 02	
			Location, Outlet - c) one (1) each side	
340	0045091		Elbow, Rear Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
341	0044930		Outlet, Rear, 2.50", Additional	1
			Location - officer side rear below bed #5	
			Qty, Discharges - 01	
342	0076593		Elbow, Rear Outlets, 45 Degree, 2.50" FNST x 2.5" MNST, VLH, Additional	1
343	0092573		Not Required, Outlet, Hose Bed/Running Board Tray	1
344	0085076		Caps for 1.50" to 3.00" Discharge, Chain	1
345	0723042		Valve, 0.75" Bleeder, Discharges, "T" Swing Handle	1
346	0005080		Reducer, 2.50" FNST x 1.50" MNST, w/Cap	2
			Qty, Adapter for Outlets - 02	
			Location, Adapter(s) - the driver side and passenger side	
347	0753328		Outlet, 3.00" Deluge, Dual Control, LG HW's, w/TFT Extend-a-Gun XG18 riser	1
348	0770359		No Monitor Requested, Customer/Dealer Furnished and Installed	1
			Fill in Blank - Akron Hi Rise	
349	0029304		No Nozzle Req'd	1
350	0005072		Deluge Mount, 3" ANSI 4 Bolt Flange	1
351	0723726		Speedlay Module Not Required	1
352	0722432		Hose Restraint Not Required, No Speedlay Module	1
353	0723395		Speedlays, Not Required	1
354	0723394		Speedlays, Not Required	1
355	0025140		Not Required, 1.50" Crosslays	1
356	0029196		Not Required, 2.50" Crosslay	1
357	0500535		Not Required, Hose Restraint, Crosslay	1
358	0064896		Speed, (2) 1.50" W/ Poly Tray, Top Mount/Side Control, Standard Cap	1
359	0752945		Hose Restr, Spdly, 2"Nylon Web, (2) Seat Belt Buckle, Tether Release	1
			Color, Strap - Orange	
			Release, Seat Belt Buckle - Bar	
360	0788135	SP	Speedlays, Location, Rear of Telescopic Lights, 3.00"	1
361	0624939		Foam Sys, Husky 3, Single Agent, Multi Select Feature	1
			Discharge, Foam Locations - Rear Outlet Left Side and Speedlay Lower	
362	0012126		Not Required, CAF Compressor	1
363	0592527		Refill, Foam Tank, Integral, Husky 3	1
364	0031896		Demonstration, Foam System, Dealer Provided	1
365	0559077		Foam Cell, 30 Gallon, Not Reduce Water	1
			Type of Foam - Class "A"	
			Foam, Brand Name - AFFF 3x3	
366	0697589		Drain, 1.00", Foam Tank #1, Husky 3 Foam System, Quarter Turn	1
367	0091079		Not Required, Foam Tank #2	1
368	0091112		Not Required, Foam Tank #2 Drain	1
369	0746447		Approval Dwg, All Pump Panel(s), Includes Color And Label Tags	1
			Num Of Truck(s) or Sim Unit, ALL Pump Pnl, Dwg - 41717	
370	0032479		Pump Panel Configuration, Control Zone	1

Line	Option	Type	Option Description	Qty
371	0005525		Material, Pump Panels, Side Control Brushed Stainless	1
372	0721765		Panel, Pump Access - Right Side Only, Side Control	1
			Latch, Pump Panel Access, Side Mount - Lift and Turn, Chrome	
373	0583824		Light, Pump Compt, WIn 3SC0CDCR LED White	1
			Qty, - 01	
374	0586382		Gauges, Engine, Included With Pressure Controller	1
375	0005601		Throttle, Engine, Incl'd w/Press Controller	1
376	0739224		Indicator Light @ Pump Panel, Throttle Ready, Incl w/Pressure Gov/Throttle,Green	1
377	0549333		Indicators, Engine, Included with Pressure Controller	1
378	0745568		Indicator Light, Pump Panel, Ok To Pump, Green	1
379	0830289		Gauges, 6.00" Master, IC	1
			Gauge Pressure Range - 30"-0-600 psi	
			Color Dial Face - white	
380	0027896		Gauge, 3.50" Pressure, Class 1, Special	1
			Gauge Pressure Range - 30"-0-400 psi	
			Color Dial Face - white	
381	0750526		Gauge, Water Level, Pierce, In pressure Controller, Lt Driver	1
382	0750438		Water Level Gauge, WIn PSTANK2, LED 1-Light, 4-Level	2
			Qty, - 02	
			Activation, Water Level G - pb) parking brake is applied	
			Location, Water Level Gauge, Multi-Select - Each Side Custom Cab	
			Color, Trim - Black Trim	
383	0062992		Gauge, Foam Level, (1) Tank, Class 1, GAAAR 5lt	1
384	0682503		Light Shield/Step 8", LED, P25 LED Stp Lt	1
385	0682488		Light Shield, S/S, PS LED	1
386	0606694		Air Horns, (2) Hadley, 6" Round, eTone, In Bumper	1
387	0606834		Location, Air Horns, Bumper, Each Side, Outside Frame, Inboard (Pos #2 & #6)	1
388	0757092		Control, Air Horn, Multi Select	1
389	0757077		Control, Air Horn, Lanyard, LS	1
			Lanyard - Nylon Rope	
390	0757076		Control, Air Horn, Lanyard, RS	1
			Lanyard - Nylon Rope	
391	0757084		Control, Air Horn, Horn Ring	1
392	0006133		Siren, Code 3 3692 100W or 200W	1
393	0510206		Location, Elec Siren, Recessed Overhead In Console	1
			Location, Elec Siren - Overhead, PS Outside Sw Pnl	
394	0076156		Control, Elec Siren, Head Only	1
395	0601375		Speaker, (1) Code 3, PB100C, Chrome	1
			Connection, Speaker - siren head	
396	0601551		Location, Speaker, Frt Bumper, Recessed, Right Side, Outside Frame,Outbrd(Pos 1)	1
397	0686334		Siren, Aux, Federal EQ2B-200, 200 Watt, Control Head and Amplifier	1
398	0688031		Control, Aux Electric Siren, Driver's Side Foot Sw	1
399	0891804	SP	Control, Aux Electric Siren Brake Circuit, Right Side Push Button	1
400	0686832		Location, Aux Elect Siren, Overhead DS	1
401	0622205		Speaker, Aux, Siren, Federal ES100C, ESFMT-EF Recess Mnt w/Grille	1
			Qty, - 01	
402	0687950		Location, Aux Siren Speaker, Frt Bumper, Recess, LS, Outside Frame,Otbrd (Pos 7)	1
403	0746353		Not Required, Warning Lights Intensity	1
404	0818688	SP	Lightbar, WIn, Freedom IV-V, 72", R_RRRWBWStrWBWRRR_R	1
			Opticom Priority - b) High	
			Opticom Activation - Cab Switch & E-Master	
			Momentary Opticom Activation - No Activation	
			Filter, Whl Freedom Ltbrs - No Filters	
405	0790846		Power Supply, WIn PE215 Traffic Light Controller, Single Strobe Tube	1
			Opticom Priority - b) High	
			Opticom Activation - Cab Switch & E-Master	
			Momentary Opticom Activation - No Activation	
406	0898734		Light, Front Zone, WIn M6** M6** M6** M6** Q Bzl	1
			Color, Lens, LED's - Clear	
			Color, Lt DS Frnt Outside - Left Red	
			Color, Lt PS Frnt Outside - Right Red	
			Color, Lt DS Front Inside - Left Red	

Line	Option	Type	Option Description	Qty
406			Color, Lt PS Front Inside - Right Green	
			Color, Q Bezel and Trim - Polished Chrome	
407	0653937		Flasher, Headlight Alternating	1
			Headlt flash deactivation - a)w/high beam	
408	0540692		Lights, Side Zone Lower, Wln M6*C LED, Clear Lens, 3pr, Ovr 25	1
			Location, Lights Front Side - b)each side bumper	
			Color, Lt Side Front - Red	
			Color, Lt Side Middle - Blue	
			Color, Lt Side Rear - Red	
			Location, Lights Mid Side - Rearward of Crew Cab Doors	
			Location, Lights Rear Side - Over Rear Wheels	
409	0564655		Lights, Rear Zn Lwr, Wln M6*C LED, Clear Lens, For Tail Lt Housing	1
			Color, Lt DS Rear - r) DS Rear Lt Red	
			Color, Lt PS Rear - b) PS Rear Lt Blue	
410	0738592		Light, Rear Zone Up, Wln MCFLED2*, 1Red, 1Blue, Clear lens	1
			Color, Lens, LED's - c)clear	
			Color, Lt, Rear Upper DS - Red	
			Color, Lt, Rear Upper PS - Blue	
411	0006551		Not Required, Lights, Rear Upper Zone Blocking	1
412	0025876		Mtg, Rear Warn Lts, LS S/S to Match RS, RS - S/S Ladder Lock Enclosed	1
413	0791528		Light, Traffic Directing, Wln TAL65, 36.00" Long, TACTL5	1
			Activation, Traffic Dir L - Not Connected	
414	0529908		Location, TDL, Over Hose Bed, Cross Tube (Included), Treadplate Box	1
415	0530280		Location, Traf Dir Lt Controller, Overhead Switch Panel DS Center	1
416	0006646		Electrical System, 120/240VAC, General Design	1
417	0516616		Generator, Harrison 6kW MCR Hydraulic, Hotshift PTO	1
			Generator Interlocks - No Interlocks	
418	0006645		Location, Hydraulic Generator Above Pump	1
			Location, Generator(s) - Over Pump, Right Side	
419	0016752		Starting Sw, Truck Engine Powered Gen, Cab Sw Pnl	1
420	0071054		Remote Start, Hydraulic Generator, PTO and Field - SAME SWITCH	1
			Location, Remote Start - d) cab/pp	
421	0016740		Not Required, Fuel System	1
422	0016767		Not Required, Oil Drain Extension, Generator	1
423	0542278		Circuit Breaker Panel, Included With PTO Generator, w/Std Door	1
			Location, CB Panel - in compartment D1 on the front wall high and as close to the door as possible	
424	0016771		Not Required, Routing Exhaust, Generator	1
425	0006825		Reel, Elect Cable, Hannay, 1600, (3) Wire	1
			Qty, Cord Reels - 1	
			Reel Guide - c) No guide required	
			Finish, Reel - Painted Gray	
			Location, Electric Cord Reel - Above Pump, Left Side, 1 Reel	
426	0006828		Cord, Electric, 10/3 Yellow, 3 Wire	1
			Lengths of Elect Cord - 1	
			Feet of Yellow Cord - e)200	
			Connection, Cord - Direct connection	
427	0619261		Box, Junc, Circle-D, 3Wire, 4-20A 120V SB	1
			Qty, - 01	
			Connection, Electric Plug / Inlet (Male) - Direct Connection	
			Color, Electrical Junction Box, Circle D - High Visability Yellow	
428	0066629		Guide, Roller In Body Sheet	1
			Location - The roller guide will located in the body sheet in front of the electric cord reel	
			Qty, Roller Guide - 1	
429	0538772		Strap, Velcro, For Junction Box Holder	1
			Qty, - 1	
430	0006824		Holder, Junction Box, Tread Plate Aluminum	1
			Qty, - 1	
			Location, Junction Box Holder - Mount At Pick-Up	
431	0026834		Manual Reel Rewind in Addition to Electrical Rewd	1
			Qty, - 1	
432	0763019	SP	Location, Reel Rewind Switch	1
			Location - Driver side pump panel to match 38186	

Line	Option	Type	Option Description	Qty
433	0781579		Receptacle, 15/20A 120V 3-Pr 3-Wr, NEMA 5-20R SB Dup, 1st, Interior Cab Qty, - 01 Location 1 - on a 48" pigtail, loose on top of the engine cover mounting plate AC Power Source - Shoreline Cover, Receptacle - Interior, Flip Up Duplex Cover(s)	1
434	0779722		Receptacle, 15/20A 120V 3-Pr 3-Wr, NEMA 5-20R SB Dup, 1st, Interior Body Qty, - 01 Location 1 - in compartment LS3, wheel well wall, recessed just below the triple bottle storage AC Power Source - Shoreline Cover, Receptacle - Interior, Flip Up Duplex Cover	1
435	0519934		Not Required, Brand, Hydraulic Tool System	1
436	0649753		Not Required, PTO Driven Hydraulic Tool System	1
437	0007150		Bag of Nuts and Bolts Qty, Bag Nuts and Bolts - 1	1
438	0816508		NFPA Required Loose Equipment, Pumper, NFPA/ULC 2024, Provided by Fire Dept	1
439	0816941		Soft Suction Hose, Provided by Fire Department, NFPA/ULC 2024	1
440	0027023		No Strainer Required	1
441	0816939		Extinguisher, Dry Chemical, NFPA 2024, Provided by Fire Department	1
442	0816937		Extinguisher, 2.5 Gal. Pressurized Water, NFPA/ULC 2024, Provided by Fire Dept	1
443	0816998		Axe, Flathead, Provided by Fire Department	1
444	0817000		Axe, Pickhead, Provided by Fire Department	1
445	0741569		Paint Process / Environmental Requirements, Appleton	1
446	0709846		Paint, Two-Tone Color, Velocity/Impel Paint Color, Upper Area, Predefined - #101 Black Shield, Cab - Standard Shield Paint Color, Lower Area, Predefined - #106 Dark Red Paint Break, Cab - Standard Two-Tone Cab Break	1
447	0709845		Paint, Single Color, Body Paint, Body - Match Lower Cab	1
448	0646897		Paint Chassis Frame Assy, E-Coat, Standard Paint Color, Frame Assembly, Predefined - Gloss Black	1
449	0693798		Paint, Front Wheels Paint, Wheels - Black #101	1
450	0693793		Paint, Rear Wheels, Single Axle Paint, Wheels - Black #101	1
451	0733739		Paint, Axle Hubs Paint, Axle Hub - Black #101	1
452	0007230		Compartment, Painted, Spatter Gray	1
453	0544111		Reflective Band, 10" Color, Reflect Band - A - e) black	1
454	0568574		Stripe, Reflective, Chevron, Front Bumper Color, Reflect Band - A - c) ruby red Color, Reflect Band - B - p) black Size, Chevron Striping - 06	1
455	0819898		Stripe, Chevron, Rear, Reflective, NFPA/ULC 2024, Pumper Color, Reflect Band - A - c) ruby red Color, Reflect Band - B - p) black	1
456	0027341		Jog, In Reflective Stripe, Single or Multiple Qty, - 1	1
457	0667279		Stripe, Reflective, Chevron, Hydraulic Ladder Rack Arm, Front & Rear Location - on the passenger side Qty, - 01	1
458	0509398		Stripe, Reflective, Chevron, Cab and Crew Cab Doors Interior Color, Reflect Band - B - n) ruby red Size, Chevron Striping - 06 Color, Reflect Chev - A - e) black	1
459	0679817		Stripe, Printed Effect Gold Leaf, Cab Sides, IPO Chrome Molding	1
460	0027372		Lettering Specifications, (GOLD STAR Process)	1
461	0685690		Lettering, Printed Effect Gold Leaf, 3.00", (41-60) Outline, Lettering - Outline and Shade	1

Line	Option	Type	Option Description	Qty
462	0685536		Lettering, Printed Effect Gold Leaf, 10.00", Each Qty, Lettering - 08 Outline, Lettering - Outline and Shade	8
463	0686002		Lettering, Reflective, 8.00", Each Qty, Lettering - 01 Outline, Lettering - Outline and Shade	1
464	0685978		Lettering, Reflective, 18.00", Each Qty, Lettering - 01 Outline, Lettering - Outline and Shade	1
465	0686033		Lettering, Reflective, 4.00", Each Qty, Lettering - 06 Outline, Lettering - Outline and Shade	6
466	0685605		Lettering, Printed Effect Gold Leaf, 3.00", Each Qty, Lettering - 06 Outline, Lettering - Outline and Shade	6
467	0685981		Lettering, Reflective, 14.00", Each Qty, Lettering - 02 Outline, Lettering - No Outline or Shade	2
468	0822405		Lettering, Reflective, Script, 2-3"	1
469	0832428	SP	Emblem, ISO Class 1 W/ Ribbon, Printed Gold Effect, Pair Qty, - 1 Location, Emblem - above the front wheel on the black upper area of the ems cab door one both sides	1
470	0666414		Emblem, Freedom Flag, Each Qty, - 02 Location, Emblem - on the upper cab per the L.S.P. Size, Flag - 9" - 11"	2
471	0769753		Emblem, American Flag Painted on Cab Grille, All Custom Chassis	1
472	0652945		E-Coat, Under Body/Chassis Component Package Paint Color, E-Coat - Black	1
473	0653808		Rustproof/Undercoat, Cab & Body w/Lap Doors, Ziebart	1
474	0002838		Undercoating, Cab & Body, Ziebart	1
475	0772003		Manual, Fire Apparatus Parts, USB Flash Drive, Custom Qty, - 01	1
476	0772037		Manual, Chassis Service, USB Flash Drive, Custom Qty, - 01	1
477	0032434		Manuals, Three (3) or more, Chassis Operation, Custom Qty, - 03	3
478	0030008		Warranty, Basic, 1 Year, Apparatus, WA0008	1
479	0611136		Warranty, Chassis, 3 Year, Velocity/Impel, WA0284	1
480	0696698		Warranty, Engine, Cummins, 5 Year, WA0181	1
481	0684952		Warranty, Steering Gear, TRW Ross TAS, 1 Year WA0202	1
482	0595767		Warranty, Frame, 50 Year, Velocity/Impel, WA0038	1
483	0610471		Warranty, Axle, Eaton/Dana, 5 Year/100,000 Mile, Parts and Labor	1
484	0733306		Warranty, Single Axle, 5 Year, Meritor, General Service, WA0384	1
485	0652758		Warranty, ABS Brake System, 3 Year, Meritor Wabco, WA0232	1
486	0019914		Warranty, Structure, 10 Year, Custom Cab, WA0012	1
487	0814378	SP	Warranty, Paint, 10 Year, Cab, WA0054	1
488	0595770		Warranty, Power Step, 2 Year, WA0031	1
489	0524627		Warranty, Electronics, 5 Year, MUX, WA0014	1
490	0695416		Warranty, Pierce Camera System, WA0188	1
491	0647720		Warranty, Pierce LED Strip Lights, WA0203	1
492	0046369		Warranty, 5-year EVS Transmission, Standard Custom, WA0187	1
493	0685945		Warranty, Transmission Cooler, WA0216	1
494	0688798		Warranty, Water Tank, Lifetime, UPF, Poly Tank, WA0195	1
495	0596025		Warranty, Structure, 10 Year, Body, WA0009	1
496	0693127		Warranty, Gortite, Roll-up Door, 6 Year, WA0190	1
497	0734463		Warranty, Pump, Waterous, 7 Year Parts, WA0382	1
498	0648675		Warranty, 10 Year S/S Pumbing, WA0035	1
499	0657990		Warranty, Foam System, Husky 3, WA0231	1
500	0725636		Warranty, Harrison Generator, 2 Year	1
501	0813068	SP	Warranty, Paint, 10 Year, Body, WA0056	1

Line	Option	Type	Option Description	Qty
502	0595421		Warranty, Goldstar, 3 Year, Apparatus, WA0018	1
503	0819254		Certification, Vehicle Stability, CD0196	1
504	0808580		Certification, Engine Installation, Imp/Vel, Cummins X10, 2027	1
505	0686786		Certification, Power Steering, CD0098	1
506	0892701		Certification, Cab Integrity, Impel/Velocity FR, CD0190	1
507	0548950		Certification, Cab Door Durability, Velocity/Impel, CD0001	1
508	0548967		Certification, Windshield Wiper Durability, Impel/Velocity, CD0005	1
509	0667411		Certification, Electric Window Durability, Velocity/Impel FR, CD0004	1
510	0549273		Certification, Seat Belt Anchors and Mounting, Imp/Vel/Vel SLT, CD0018	1
511	0735950		Certification, Cab HVAC System Perf, Vel/Imp FR, CD0166/CD0168/CD0176/CD0177	1
512	0545073		Amp Draw Report, NFPA Current Edition	1
513	0002758		Amp Draw, NFPA/ULC Radio Allowance	1
514	0799248		Appleton/Florida BTO	1
515	0000018		PUMPER, 2ND GEN	1
516	0000012		PIERCE CHASSIS	1
517	0004713		ENGINE, OTHER	1
518	0046395		EVS 3000 Series TRANSMISSION	1
519	0020011		WATEROUS PUMP	1
520	0020009		POLY TANK	1
521	0028048		FOAM SYSTEM	1
522	0020006		SIDE CONTROL	1
523	0020007		AKRON VALVES	1
524	0020014		FRONT SUCTION	1
525	0020015		ABS SYSTEM	1
526	0658751		PUMPER BASE	1



VILLAGE OF
ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/21/2025

Item: Resolution Approving the Purchase of a Police UTV Vehicle
Department: Public Works & Engineering

Item Description:

The Village of Arlington Heights hosts numerous community events annually, such as the Sounds of Summer concert series, Frontier Days, National Night Out, Harmony Fest, Autumn Harvest, and various races and parades. These events attract large crowds and often require police presence in areas inaccessible by traditional patrol vehicles.

To enhance mobility, reduce response times, and improve public safety during these events, the Police Department seeks approval to purchase an Electric-Utility Task Vehicle (E-UTV) Polaris Ranger XP Kinetic Premium. This vehicle offers a versatile solution for patrolling parks, parade routes, and pedestrian-heavy zones where conventional police vehicles are less effective. This E-UTV will enhance the Police Department's ability to respond promptly and effectively during special events.

Further, purchasing this E-UTV to support Police Operations during special events also allows the Village to sensibly upgrade an essential vehicle to a green vehicle and affirm the department's commitment to accomplishing Village Board goals whenever possible. As this purchase does align with the Village's commitment to sustainability, 100% funding for the E-UTV purchase will be provided through the Energy Efficiency and Conservation Block Grant (EECBG), a federally funded program administered by the U.S. Department of Energy to support energy-efficient solutions at the local level.

Staff proposes purchasing one Polaris Ranger XP Kinetic Premium E-UTV, and all required upfitting, for a total cost of \$46,292.05. Staff leveraged competitive pricing through Sourcewell Cooperative Purchasing Cooperative, which uses multiple government agencies and collaborative purchasing to obtain more competitive bid pricing. Polaris, of Medina, Minnesota, holds the joint purchasing contract for Polaris E-UTVs.

Grant funds should be reimbursed to Account 621-9003-550050 VH9503 when received.

If this request for purchase is approved, the E-UTV will replace a John Deere Gator Utility vehicle with thirteen years of service. This vehicle has exceeded its useful life for Police Operations and will be sold as surplus.

RECOMMENDATION

It is recommended for the Village Board to award Polaris, of Medina, Minnesota, the purchase of one Electric-Utility Task Vehicle (E-UTV) Polaris Ranger XP Kinetic Premium for \$46,292.05, as authorized in the attached resolution and execute the necessary documents.

ATTACHMENTS:

1. 20250421_Polaris_Electric_Utility_Task_Vehicle_Resolution_and_attachm
ent

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE PURCHASE OF ONE POLARIS RANGER XP KINETIC
PREMIUM ELECTRIC-UTILITY TASK VEHICLE FOR THE POLICE DEPARTMENT

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 Sourcewell Cooperative Purchasing (“Sourcewell”), a purchasing cooperative that permits local governments to purchase and lease commodities and services according to contracts negotiated by Sourcewell, resulting in significant savings for the Village; and

WHEREAS, the Police Department has identified the need to procure one Polaris Ranger XP Kinetic Premium Electric-Utility Task Vehicle (E-UTV); and

WHEREAS, Sourcewell sought bids for the award of the contract for the purchase of one Polaris Ranger XP Kinetic Premium E-UTV (“Purchase Contract”); and

WHEREAS, Sourcewell identified Polaris or Medina, Minnesota, as the low responsible bidder for the Purchase Contract; and

WHEREAS, the Village now desires to purchase one Polaris Ranger XP Kinetic Premium E-UTV, in the total amount of \$46,292.05; 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 one Polaris Ranger XP Kinetic Premium E-UTV from Polaris in Medina, Minnesota, in the total amount of \$46,292.05, in accordance with Sourcewell 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 one Polaris Ranger XP Kinetic Premium E-UTV from Polaris, in the total amount of \$46,292.05, in accordance with Sourcewell 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



Polaris Sales Inc., Medina, MN 55340
gov.info@polaris.com
Phone: 866-468-7783 Fax: 763-847-8288
www.polaris.com/gov

QUOTE

Contact Information

Name: Joe Murphy
Email: jmurphy@vah.com
Phone: 8473685358
Fax:

Bill To: Arlington Heights Police Department

60005

Ship To:

60005

Quote Number: QUO-62216-N5T3V0
Revision #: 3
Date: 3/12/2025 3:09 PM
Quote Expires: 4/11/2025

Contract Name: Sourcewell
Contract #: 091024-PSI
Expiration Date: 11/13/2028
Cage: 3FP69
Duns#: 123399383
Tax ID#: 41-1921490
Customer#:

Freight	Delivery Terms	Payment Terms	Payment Methods
FOB Destination-CONUS US Continental (CONUS) Only	180 Days	Net 30	Visa Mastercard Wire Check

Item #	QTY	Description	MSRP	Discount Price	Extended	Install Amount
R24E3CC2BD	1	RANGER XP Kinetic Premium - Icy White Pearl	\$29,999.00	\$26,899.00	\$26,899.00	\$0.00
2889021	1	Full-Size Fixed Glass Windshield	\$975.00	\$770.77	\$770.77	\$75.00
2883974	1	Full-Size Glass Wiper / Washer	\$830.00	\$599.49	\$599.49	\$75.00
2882911	1	1000 Base / EPS Poly Sport Roof	\$525.00	\$385.38	\$385.38	\$37.50
2879013	1	Full-Size Glass Rear Panel	\$537.00	\$445.33	\$445.33	\$22.50
2889811-070	1	Full-Size Crank Window Poly Front Doors	\$3,499.99	\$2,997.47	\$2,997.47	\$150.00
2889449	1	Kinetic In-Cab Heater/Defroster (requires 2889667)	\$1,549.99	\$1,327.45	\$1,327.45	\$1,200.00
2889667	1	Kinetic High Voltage Busbar	\$299.99	\$256.92	\$256.92	\$600.00
2889220	1	Full-Size Rearview Mirror	\$99.99	\$85.63	\$85.63	\$22.50



Polaris Sales Inc., Medina, MN 55340
gov.info@polaris.com
Phone: 866-468-7783 Fax: 763-847-8288
www.polaris.com/gov

QUOTE

Freight	Delivery Terms	Payment Terms	Payment Methods
FOB Destination-CONUS US Continental (CONUS) Only	180 Days	Net 30	Visa Mastercard Wire Check

Item #	QTY	Description	MSRP	Discount Price	Extended	Install Amount
2889241	1	Door Mounted Sideview Mirrors	\$179.99	\$154.15	\$154.15	\$37.50
2883870	1	RANGER Turn Signals w/Horn	\$667.99	\$572.08	\$572.08	\$225.00
2883966	1	Action - XP 1000 / XD 1500 / Pro XD Custom Graphics for Fire or Law Enforcement	\$999.99	\$856.41	\$856.41	\$0.00
2891189	1	Action - Kinetic Reliant Light Package	\$8,169.99	\$6,996.97	\$6,996.97	\$0.00

Comments:

SUBTOTAL	\$42,347.05
INSTALL*	\$2,445.00
FREIGHT	\$1,500.00
TAX	\$0.00
TOTAL	\$46,292.05

Vehicle model year and color are subject to change dependent upon delivery date.

Acceptance and Payment Information

To accept the above quotation, please provide a purchase order via email (gov.info@polaris.com) and include the following:

- Bill to Address
- Billing Phone Number
- Ship to Address
- Point of Contact for Delivery
- Point of Contact E-Mail
- Point of Contact Phone
- Quote Number
- Alternate Point of Contact (Required)
- Do you have a loading dock, ramps, or forklift for offloading
- Tax exempt form for state we are shipping (or inform if taxable)

If you would like to submit payment via credit card, please call (866) 468-7783 to process payment during our hours of operation from 8:30 AM to 4:30 PM CST Monday through Friday. We accept Visa, Mastercard & American Express.



Polaris Sales Inc., Medina, MN 55340
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QUOTE



VILLAGE OF
ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/21/2025

Item: Ordinance - 2024 General Fund Surplus Transfer
Department: Finance

Item Description:

Background

The Village has historically used conservative budget assumptions when budgeting the Village's key operating fund, the General Fund. During the upside of economic cycles, this has allowed the Village to sustain the financial position of our various capital funds through the transfer of surpluses in the General Fund to these funds. Conversely, during the downside of an economic cycle, General Fund reserves have allowed the Village to weather uncertain times.

During 2024, the Village has started to see a more normal financial pattern develop, where our revenue streams and expenditures are increasing at more moderate levels. This follows the prior post-pandemic period that featured pent-up demand for goods and services. For the years 2021 to 2023, the Village experienced sizable General Fund surpluses which allowed us to transfer funds to the Parking and Vehicle Replacement Funds, which were adversely affected by the pandemic and supply-chain issues. Transfers were also made to the Capital Projects Fund, the Lead Service Line Replacement Fund, and the Police and Fire Pension Funds. All of these transfers have put the Village in a better financial position overall. Last year, the priority for the 2023 budget surplus was funding Lead Service Line Replacement Fund (the Village continues to be in full compliance with all regulations due to our treatment program that effectively coats the inside of all water lines, both private and public). As there is no dedicated source for this fund, additional transfers are scheduled in 2029 and 2034.

The 2024 General Fund budget included a projected \$754,697 surplus based on modest increases in our revenue base. The Village experienced a \$4.7 million surplus for 2024, which is \$4.0 million above what was budgeted for 2024. We are proposing a transfer of \$3.0 million surplus to various funds. During 2024, sales taxes came in under budget by \$186,097 and income tax receipts came in over budget by \$837,967. On the expenditure side, 2024 total General Fund expenditures came in \$2.3 million or (2.6%) under budget. This is a fairly normal result for expenditures, as the Village

conservatively budgets for full employment with no vacancies.

At the end of 2024, the unassigned General Fund balance equaled 43.4% of expenditures. The projected 2024 General Fund surplus allows the Village an opportunity to transfer 2024 surplus funds over the 40% maximum General Fund reserve level to other fund(s), as defined in the 2025 Budget under Reserve Performance Goals. It is proposed that the Village consider a total transfer of \$3.0 million from the General Fund in 2024, allocated as follows:

1. \$500,000 General Fund Transfer to the Municipal Parking Fund

This transfer will help maintain the Parking Fund's financial position by adding to reserves for future maintenance and capital investments.

2. \$800,000 General Fund Transfer to the Fleet Fund

Vehicle replacement costs have increased over the last several years upwards of 15%. This transfer would cover the additional costs of planned vehicle purchases over the next few years.

3. \$500,000 General Fund Transfer to the Capital Projects Fund

The Capital Projects Fund accounts for a variety of capital improvements including street resurfacing/rehabilitation, sidewalk repair/replacement, operational equipment replacement, traffic signal improvements and other projects. Financing is primarily from property taxes, a ¼% home-rule sales tax, an annual transfer in of \$300,000 from SWANCC, and grant revenues. Transferring additional funds into the Capital Projects Fund will support planning for future projects and improvements, as the fund's revenues include on economically sensitive revenues and grants which could have the potential to decrease. In addition, planning for additional inflationary impacts and uncertainty would be prudent.

4. \$600,000 General Fund Transfer to the Firefighters' Pension Fund

\$600,000 General Fund Transfer to the Police Pension Fund

The Village continues to meet all of its pension obligations. Year-end results for the Police and Fire Pension Funds reflect gains for 2024 (Fire at 10.29% return on net assets and Police at 12.59% return on net

assets). Both funds increased their funded status by approximately 4% year-over-year to 76.9% for Fire and 87.1% for Police. Gains and losses for these funds are smoothed over three years as part of the actuary's calculation of the Village's annual required contribution. Transferring \$600,000 to each the Fire and Police Pension Funds is a prudent planning strategy that will help the Village save money in future years by reducing its unfunded accrued liability. This proactive approach also helps minimize the need for future increases in property tax levies.

RECOMMENDATION:

It is recommended that the Village Board approve the attached Ordinance amending the 2024 Budget to transfer a total of \$3.0 million from the General Fund surplus as follows: \$500,000 General to the Municipal Parking Fund, \$800,000 to the Fleet Fund, \$500,000 to the Capital Projects Fund, \$600,000 to the Firefighters' Pension Fund and \$600,000 to the Police Pension Fund.

ATTACHMENTS:

1. Ordinance - General Fund Surplus Transfer

**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, 2024 AND ENDING DECEMBER 31, 2024**

WHEREAS, by Ordinance 2023-81, 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, 2024, and ending December 31, 2024; 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
101-9901-590050-	Operating Transfer Out	\$0	\$3,000,000	\$3,000,000
235-0000-491050-	Operating Transfer In	\$2,000,000	\$500,000	\$2,500,000
621-0000-491050-	Operating Transfer In	\$0	\$800,000	\$800,000
401-0000-491050-	Operating Transfer In	\$300,000	\$500,000	\$800,000
705-0000-491050-	Operating Transfer In	\$0	\$600,000	\$600,000
711-0000-491050-	Operating Transfer In	\$0	\$600,000	\$600,000

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 April 21st, 2025.

Village President

ATTEST:

Village Clerk



VILLAGE OF
ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/21/2025

Item: Resolution Approving the Euclid Avenue Watermain Improvement Project

Department: Public Works & Engineering

Item Description:

The approved 2025 Capital Improvement Program (CIP) includes \$4,340,000 funding for Water Main Replacement. This project will also involve the replacement of lead service lines. In the Capital budget, there is also \$4,200,000 budgeted for lead service line removals, a portion of which is recommended to be used for this project. The Public Works and Engineering Department evaluates and prioritizes water main replacement based on defect severity, occurrence interval of failures, service reliability, neighborhood impacts, associated capital construction projects, and other related parameters. This year's project proposes the replacement of over 12,000 linear feet of water main and replacement of lead service lines ahead of the proposed resurfacing of Euclid Avenue, proposed to begin in spring of 2026.

The bid documentation developed by staff and the consulting engineer include a base bid and one alternate. The alternate included replacement of a small section of water main that has recently developed repetitive repair needs, causing significant distress to area residents. Staff has included this section, along with the quantities on Euclid Avenue to leverage funds and maximize economies of scale opportunities.

This project was duly advertised, and six different bid proposals were publicly opened on April 1, 2025. Swallow Construction Corp. was the lowest responsible bidder on the base bid. The Village's consulting engineer has reviewed the contractor's qualifications and references and has no concern with Swallow Construction Corp. (Letter of Recommendation attached).

The bid amount is over the engineer's estimate of \$7,870,000, which was based upon last year's awarded unit prices and within budget.

BIDDER	TOTAL BID
Swallow Construction Corp.	\$8,721,315
Miller Pipeline	\$9,876,200
Joel Kennedy Construction Corp.	\$10,060,213
Aqua Contractors	\$10,393,000
Bolder Contractors, Inc.	\$12,321,674
Trine Construction Corp.	\$12,507,478

In discussions with the contractors bidding on the project, the consensus was that this project will be very difficult to construct. Construction constraints of extremely tight conditions in narrow parkways, protection of parkway trees and adjacent utilities, control of construction equipment and traffic on and around Euclid Avenue will slow typical pipeline production.

The construction schedule and construction sequencing to avoid extended disruption to the public and adjacent homeowners were also contributing factors in the higher-than-normal costs. In addition, bidders also indicated that uncertainties in the economic climate resulted in higher-than-normal material costs.

Working with the Finance Department, staff proposes utilizing Water Meter Project funding originally allocated for unplanned expenses associated with that project to cover the balance of the Water Main Replacement Project.

Conservative funding was carried over into the 2025 Capital Improvement budget to account for potential plumbing repairs and problems associated with the Meter Replacement Project. Thankfully, these concerns and added expenses have not come to fruition as originally expected. Given the status of the Meter Replacement Project expenses, staff is confident that these additional funds will not be required, and therefore, can be redirected for use on the Water Main Replacement project. These funds are available in the Water and Sewer Capital Fund. With the use of these funds, there is sufficient funding available to award this contract without budget amendments.

Despite the unexpected pricing received, staff recommends proceeding with the project as presented, to ensure completion in advance of the major road construction proposed next year. Given the complexity and scale of the project, it is important that the project proceed at the earliest opportunity. Staff will work with the consulting engineer and the Village's Communications team to ensure that residents and the motoring public are well-informed of the project impacts and inconveniences.

Funds for these improvements are available in Account No. 505-9001-550250 (WA9001) and Account No. 506-9001-550250 (WA2301).

RECOMMENDATION

It is recommended that the Village Board approve the attached Resolution authorizing the award of a contract for the Water System Improvements required for the Annual Water Main Replacement Program to the lowest responsible bidder, Swallow Construction Corp. of West Chicago, Illinois, in an amount not-to-exceed \$8,721,315, and authorize the execution of the necessary documents.

ATTACHMENTS:

1 20250421_Water_Euclid_Ave_Water_Main_Improvement_Construction_Re
. solution_and_attachments

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION APPROVING THE AWARD OF A CONTRACT
FOR THE EUCLID AVENUE WATER MAIN IMPROVEMENT PROJECT
TO SWALLOW CONSTRUCTION CORPORATION, OF WEST CHICAGO, ILLINOIS

WHEREAS, the Village sought bids for the award of a contract for the 2025 Watermain Replacement Project ("*Contract*"); and

WHEREAS, Swallow Construction Corporation, of West Chicago, 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

April 4, 2025

Village of Arlington Heights
Village Hall
33 S. Arlington Heights Road
Arlington Heights, IL 60005

Subject: Euclid Avenue Water Main Improvements – Recommendation to Award

Dear Village President and Village Board:

Our pre-bid opinion of probable cost for this Project for the Base Bid was \$7,590,000.00 and the Alternate Bid was \$280,000.00 for a Total Base Bid + Alternate Bid of \$7,870,000.00.

In our discussions with Bidders, the consensus was that this is a very difficult project to construct. Construction constraints of extremely tight conditions in narrow parkways, protection of parkway trees and adjacent utilities, control of construction equipment and traffic on and around Euclid Avenue would slow typical pipeline production. The construction schedule and construction sequencing to avoid extended disruption to the public and adjacent homeowners were also contributing factors in the higher-than-normal costs. In addition, contractors mentioned that uncertainties with the potential implementation of tariffs resulted in higher-than-normal material costs.

We have analyzed each of the bids and find Swallow Construction Corp., West Chicago, IL to be the lowest responsible and responsive Bidder. Based on our prior experience with this bidder, we believe that Swallow Construction Corp. is qualified to complete the Project.

We recommend award of the Contract to Swallow Construction Corp. for the Total Base Bid and Alternate in the amount of \$8,721,315.00.

A copy of our Bid Tabulation is enclosed for your records. Please advise us of your decision.

Sincerely,

BAXTER & WOODMAN, INC.
CONSULTING ENGINEERS



Bruce J. Aderman, PE

Encl.

P:\ARLHT\2401308-Water Main Improvement Project M\00-Euclid Ave Water Main\12-Bidding\Letter of Recommendation.docx

The following bids were received for the Project on April 1, 2025:

<u>Bidders</u>	<u>Amount of Bid</u>
Swallow Construction Corp., West Chicago, IL	
Base Bid	\$ 8,382,082.50
Alternate Bid	<u>\$ 339,232.50</u>
Total Base Bid + Alternate Bid	\$ 8,721,315.00
Miller Pipeline LLC, Mt. Prospect, IL	
Base Bid	\$ 9,590,167.50
Alternate Bid	<u>\$ 286,032.50</u>
Total Base Bid + Alternate Bid	\$ 9,876,200.00
Joel Kennedy Constructing Corp., Waukegan, IL	
Base Bid	\$ 9,636,543.00
Alternate Bid	<u>\$ 423,670.00</u>
Total Base Bid + Alternate Bid	\$10,060,213.00
Acqua Contractors, Elmhurst, IL	
Base Bid	\$10,066,000.00
Alternate Bid	<u>\$ 327,000.00</u>
Total Base Bid + Alternate Bid	\$10,393,000.00
Bolder Contractors, Inc., Cary, IL	
Base Bid	\$11,935,736.00
Alternate Bid	<u>\$ 385,938.00</u>
Total Base Bid + Alternate Bid	\$12,321,674.00
Trine Construction Corp., St. Charles, IL	
Base Bid	\$12,153,464.00
Alternate Bid	<u>\$ 354,014.00</u>
Total Base Bid + Alternate Bid	\$12,507,478.00

Village of Arlington Heights, IL
Euclid Avenue Water Main Improvements

Bid Date/Time: April 1, 2025 at 9:00 AM
Engineer's Job No. 2401308.00

				Engineer's Estimate		Swallow Construction Corp.		Miller Pipeline, LLC		Joel Kennedy Constructing Corp.		Acqua Contractors		Bolder Contractors, Inc.		Trine Construction Corp.	
No.	Item	QTY	Unit	Unit Price	Total Price	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	MOBILIZATION	LSUM	1	\$ 400,000.00	\$ 400,000.00	\$ 350,000.00	\$ 350,000.00	\$ 250,000.00	\$ 250,000.00	\$ 960,000.00	\$ 960,000.00	\$ 599,250.50	\$ 599,250.50	\$ 700,000.00	\$ 700,000.00	\$ 1,189,335.25	\$ 1,189,335.25
2	PRECONSTRUCTION VIDEO RECORDING	LSUM	1	\$ 10,000.00	\$ 10,000.00	\$ 5,500.00	\$ 5,500.00	\$ 25,000.00	\$ 25,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 1,000.00	\$ 1,000.00	\$ 153,235.17	\$ 153,235.17
3	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LSUM	1	\$ 200,000.00	\$ 200,000.00	\$ 55,000.00	\$ 55,000.00	\$ 175,000.00	\$ 175,000.00	\$ 690,000.00	\$ 690,000.00	\$ 600,632.00	\$ 600,632.00	\$ 830,000.00	\$ 830,000.00	\$ 427,720.00	\$ 427,720.00
4	GRANULAR BACKFILL	CUYD	6000	\$ 55.00	\$ 330,000.00	\$ 48.00	\$ 288,000.00	\$ 65.00	\$ 390,000.00	\$ 1.00	\$ 6,000.00	\$ 40.00	\$ 240,000.00	\$ 30.00	\$ 180,000.00	\$ 79.72	\$ 478,320.00
5	TRENCH BACKFILL (SPECIAL)	CUYD	1600	\$ 60.00	\$ 96,000.00	\$ 44.00	\$ 70,400.00	\$ 50.00	\$ 80,000.00	\$ 1.00	\$ 1,600.00	\$ 45.00	\$ 72,000.00	\$ 30.00	\$ 48,000.00	\$ 70.89	\$ 113,424.00
6	WATER MAIN (OPEN CUT), 4-INCH	FOOT	37	\$ 120.00	\$ 4,440.00	\$ 45.00	\$ 1,665.00	\$ 140.00	\$ 5,180.00	\$ 148.00	\$ 5,476.00	\$ 160.00	\$ 5,920.00	\$ 360.00	\$ 13,320.00	\$ 118.93	\$ 4,400.41
7	WATER MAIN (OPEN CUT), 6-INCH	FOOT	256	\$ 130.00	\$ 33,280.00	\$ 90.00	\$ 23,040.00	\$ 160.00	\$ 40,960.00	\$ 150.00	\$ 38,400.00	\$ 170.00	\$ 43,520.00	\$ 360.00	\$ 92,160.00	\$ 251.81	\$ 64,463.36
8	WATER MAIN (OPEN CUT), 8-INCH	FOOT	2358	\$ 145.00	\$ 341,910.00	\$ 125.00	\$ 294,750.00	\$ 190.00	\$ 448,020.00	\$ 212.00	\$ 499,896.00	\$ 165.00	\$ 389,070.00	\$ 380.00	\$ 896,040.00	\$ 204.54	\$ 482,305.32
9	WATER MAIN (OPEN CUT), 10-INCH	FOOT	2981	\$ 180.00	\$ 536,580.00	\$ 145.00	\$ 432,245.00	\$ 225.00	\$ 670,725.00	\$ 215.00	\$ 640,915.00	\$ 220.00	\$ 655,820.00	\$ 382.00	\$ 1,138,742.00	\$ 252.34	\$ 752,225.54
10	WATER MAIN (OPEN CUT), 12-INCH	FOOT	122	\$ 220.00	\$ 26,840.00	\$ 200.00	\$ 24,400.00	\$ 300.00	\$ 36,600.00	\$ 320.00	\$ 39,040.00	\$ 325.00	\$ 39,650.00	\$ 460.00	\$ 56,120.00	\$ 325.74	\$ 39,740.28
11	WATER MAIN (DIRECTIONALLY DRILLED), 8-INCH	FOOT	126	\$ 195.00	\$ 24,570.00	\$ 200.00	\$ 25,200.00	\$ 230.00	\$ 28,980.00	\$ 212.00	\$ 26,712.00	\$ 375.00	\$ 47,250.00	\$ 380.00	\$ 47,880.00	\$ 403.55	\$ 50,847.30
12	WATER MAIN (DIRECTIONALLY DRILLED), 10-INCH	FOOT	7407	\$ 210.00	\$ 1,555,470.00	\$ 220.00	\$ 1,629,540.00	\$ 265.00	\$ 1,962,855.00	\$ 215.00	\$ 1,592,505.00	\$ 303.00	\$ 2,244,321.00	\$ 382.00	\$ 2,829,474.00	\$ 344.15	\$ 2,549,119.05
13	WATER MAIN (DIRECTIONALLY DRILLED), 4-INCH MIN. I.D. HDPE	FOOT	48	\$ 350.00	\$ 16,800.00	\$ 190.00	\$ 9,120.00	\$ 200.00	\$ 9,600.00	\$ 330.00	\$ 15,840.00	\$ 400.00	\$ 19,200.00	\$ 450.00	\$ 21,600.00	\$ 786.31	\$ 37,742.88
14	WATER MAIN (DIRECTIONALLY DRILLED), 6-INCH MIN. I.D. HDPE	FOOT	47	\$ 375.00	\$ 17,625.00	\$ 220.00	\$ 10,340.00	\$ 215.00	\$ 10,105.00	\$ 350.00	\$ 16,450.00	\$ 475.00	\$ 22,325.00	\$ 460.00	\$ 21,620.00	\$ 806.76	\$ 37,917.72
15	WATER MAIN (DIRECTIONALLY DRILLED), 8-INCH MIN. I.D. HDPE	FOOT	62	\$ 400.00	\$ 24,800.00	\$ 250.00	\$ 15,500.00	\$ 225.00	\$ 13,950.00	\$ 360.00	\$ 22,320.00	\$ 372.00	\$ 23,064.00	\$ 470.00	\$ 29,140.00	\$ 634.83	\$ 39,359.46
16	WATER MAIN (DIRECTIONALLY DRILLED) 12-INCH MIN. I.D. HDPE	FOOT	88	\$ 425.00	\$ 37,400.00	\$ 290.00	\$ 25,520.00	\$ 350.00	\$ 30,800.00	\$ 370.00	\$ 32,560.00	\$ 365.00	\$ 32,120.00	\$ 480.00	\$ 42,240.00	\$ 489.17	\$ 43,046.96
17	CASING PIPE (OPEN CUT), 16-INCH	FOOT	175	\$ 100.00	\$ 17,500.00	\$ 190.00	\$ 33,250.00	\$ 250.00	\$ 43,750.00	\$ 193.00	\$ 33,775.00	\$ 195.00	\$ 34,125.00	\$ 180.00	\$ 31,500.00	\$ 191.21	\$ 33,461.75
18	CASING PIPE (OPEN CUT), 18-INCH	FOOT	184	\$ 150.00	\$ 27,600.00	\$ 210.00	\$ 38,640.00	\$ 275.00	\$ 50,600.00	\$ 215.00	\$ 39,560.00	\$ 205.00	\$ 37,720.00	\$ 200.00	\$ 36,800.00	\$ 254.94	\$ 46,908.96
19	MISCELLANEOUS FITTINGS	POUND	10500	\$ 5.00	\$ 52,500.00	\$ 1.00	\$ 10,500.00	\$ 8.00	\$ 84,000.00	\$ 2.00	\$ 21,000.00	\$ 0.01	\$ 105.00	\$ 0.01	\$ 105.00	\$ 0.01	\$ 105.00
20	WATER SERVICE CONNECTION, SHORT SIDE, 1-INCH	EACH	58	\$ 3,000.00	\$ 174,000.00	\$ 4,500.00	\$ 261,000.00	\$ 4,500.00	\$ 261,000.00	\$ 4,800.00	\$ 278,400.00	\$ 2,600.00	\$ 150,800.00	\$ 5,200.00	\$ 301,600.00	\$ 4,459.60	\$ 258,656.80
21	WATER SERVICE CONNECTION, LONG SIDE, 1-INCH	EACH	70	\$ 4,000.00	\$ 280,000.00	\$ 5,500.00	\$ 385,000.00	\$ 7,500.00	\$ 525,000.00	\$ 5,800.00	\$ 406,000.00	\$ 4,900.00	\$ 343,000.00	\$ 7,400.00	\$ 518,000.00	\$ 7,781.60	\$ 544,712.00
22	WATER SERVICE CONNECTION, SHORT SIDE, 1.5-INCH	EACH	6	\$ 3,750.00	\$ 22,500.00	\$ 5,000.00	\$ 30,000.00	\$ 5,000.00	\$ 30,000.00	\$ 5,800.00	\$ 34,800.00	\$ 4,500.00	\$ 27,000.00	\$ 8,500.00	\$ 51,000.00	\$ 5,127.16	\$ 30,762.96
23	WATER SERVICE CONNECTION, LONG SIDE, 1.5-INCH	EACH	4	\$ 5,000.00	\$ 20,000.00	\$ 6,000.00	\$ 24,000.00	\$ 8,000.00	\$ 32,000.00	\$ 7,000.00	\$ 28,000.00	\$ 7,800.00	\$ 31,200.00	\$ 12,000.00	\$ 48,000.00	\$ 8,449.16	\$ 33,796.64
24	PRIVATE PROPERTY WATER SERVICE LINE COORDINATION	EACH	97	\$ 450.00	\$ 43,650.00	\$ 500.00	\$ 48,500.00	\$ 500.00	\$ 48,500.00	\$ 400.00	\$ 38,800.00	\$ 200.00	\$ 19,400.00	\$ 200.00	\$ 19,400.00	\$ 332.80	\$ 32,281.60
25	CUSTOMER WATER SERVICE REPLACEMENT OPTION - FROM CURB STOP TO WATER METER	EACH	81	\$ 6,200.00	\$ 502,200.00	\$ 6,200.00	\$ 502,200.00	\$ 6,200.00	\$ 502,200.00	\$ 6,200.00	\$ 502,200.00	\$ 6,200.00	\$ 502,200.00	\$ 6,200.00	\$ 502,200.00	\$ 6,200.00	\$ 502,200.00
26	WATER SERVICE CASING PIPE	FOOT	980	\$ 40.00	\$ 39,200.00	\$ 7.50	\$ 7,350.00	\$ 10.00	\$ 9,800.00	\$ 10.00	\$ 9,800.00	\$ 5.00	\$ 4,900.00	\$ 35.00	\$ 34,300.00	\$ 45.44	\$ 44,531.20
27	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 4-INCH	EACH	3	\$ 3,700.00	\$ 11,100.00	\$ 7,500.00	\$ 22,500.00	\$ 7,500.00	\$ 22,500.00	\$ 8,000.00	\$ 24,000.00	\$ 12,250.00	\$ 36,750.00	\$ 6,000.00	\$ 18,000.00	\$ 8,858.67	\$ 26,576.01
28	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 6-INCH	EACH	30	\$ 4,000.00	\$ 120,000.00	\$ 10,500.00	\$ 315,000.00	\$ 8,500.00	\$ 255,000.00	\$ 8,100.00	\$ 243,000.00	\$ 13,755.00	\$ 412,650.00	\$ 6,000.00	\$ 180,000.00	\$ 8,858.67	\$ 265,760.10
29	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 8-INCH	EACH	10	\$ 5,000.00	\$ 50,000.00	\$ 10,500.00	\$ 105,000.00	\$ 9,500.00	\$ 95,000.00	\$ 8,200.00	\$ 82,000.00	\$ 13,900.00	\$ 139,000.00	\$ 6,000.00	\$ 60,000.00	\$ 8,858.67	\$ 88,586.70
30	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 10-INCH	EACH	6	\$ 6,500.00	\$ 39,000.00	\$ 10,500.00	\$ 63,000.00	\$ 10,500.00	\$ 63,000.00	\$ 9,800.00	\$ 58,800.00	\$ 18,650.00	\$ 111,900.00	\$ 6,000.00	\$ 36,000.00	\$ 8,858.67	\$ 53,152.02
31	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 12-INCH	EACH	2	\$ 7,500.00	\$ 15,000.00	\$ 10,500.00	\$ 21,000.00	\$ 12,000.00	\$ 24,000.00	\$ 10,000.00	\$ 20,000.00	\$ 18,800.00	\$ 37,600.00	\$ 8,000.00	\$ 16,000.00	\$ 8,858.67	\$ 17,717.34
32	GATE VALVE, 4-INCH	EACH	2	\$ 1,500.00	\$ 3,000.00	\$ 6,500.00	\$ 13,000.00	\$ 2,000.00	\$ 4,000.00	\$ 1,400.00	\$ 2,800.00	\$ 2,000.00	\$ 4,000.00	\$ 3,900.00	\$ 7,800.00	\$ 3,899.98	\$ 7,799.96
33	GATE VALVE, 6-INCH	EACH	4	\$ 2,000.00	\$ 8,000.00	\$ 7,500.00	\$ 30,000.00	\$ 2,250.00	\$ 9,000.00	\$ 1,600.00	\$ 6,400.00	\$ 2,300.00	\$ 9,200.00	\$ 4,000.00	\$ 16,000.00	\$ 4,876.34	\$ 19,505.36
34	GATE VALVE, 8-INCH	EACH	36	\$ 2,300.00	\$ 82,800.00	\$ 10,000.00	\$ 360,000.00	\$ 2,750.00	\$ 99,000.00	\$ 2,400.00	\$ 86,400.00	\$ 3,200.00	\$ 115,200.00	\$ 5,000.00	\$ 180,000.00	\$ 5,721.60	\$ 205,977.60
35	GATE VALVE, 10-INCH	EACH	29	\$ 3,000.00	\$ 87,000.00	\$ 11,000.00	\$ 319,000.00	\$ 4,500.00	\$ 130,500.00	\$ 3,200.00	\$ 92,800.00	\$ 4,600.00	\$ 133,400.00	\$ 6,000.00	\$ 174,000.00	\$ 7,089.90	\$ 205,607.10
36	GATE VALVE, 12-INCH	EACH	2	\$ 4,000.00	\$ 8,000.00	\$ 12,000.00	\$ 24,000.00	\$ 7,500.00	\$ 15,000.00	\$ 4,400.00	\$ 8,800.00	\$ 5,500.00	\$ 11,000.00	\$ 8,000.00	\$ 16,000.00	\$ 7,992.99	\$ 15,985.98
37	VALVE BOX	EACH	6	\$ 400.00	\$ 2,400.00	\$ 475.00	\$ 2,850.00	\$ 350.00	\$ 2,100.00	\$ 5,600.00	\$ 33,600.00	\$ 1,000.00	\$ 6,000.00	\$ 2,000.00	\$ 12,000.00	\$ 1,097.04	\$ 6,582.24
38	VALVE VAULT, 4-FT DIA.	EACH	37	\$ 2,500.00	\$ 92,500.00	\$ 500.00	\$ 18,500.00	\$ 3,500.00	\$ 129,500.00	\$ 8,000.00	\$ 296,000.00	\$ 3,850.00	\$ 142,450.00	\$ 3,000.00	\$ 111,000.00	\$ 5,331.60	\$ 197,269.20
39	VALVE VAULT, 5-FT DIA.	EACH	28	\$ 3,000.00	\$ 84,000.00	\$ 750.00	\$ 21,000.00	\$ 5,000.00	\$ 140,000.00	\$ 9,000.00	\$ 252,000.00	\$ 5,700.00	\$ 159,600.00	\$ 4,000.00	\$ 112,000.00	\$ 7,078.93	\$ 198,210.04
40	VALVE VAULT (ADDITIONAL DEPTH), 4-FT DIA.	VFT	7	\$ 190.00	\$ 1,330.00	\$ 300.00	\$ 2,100.00	\$ 500.00	\$ 3,500.00	\$ 250.00	\$ 1,750.00	\$ 1,500.00	\$ 10,500.00	\$ 500.00	\$ 3,500.00	\$ 531.52	\$ 3,720.64
41	VALVE VAULT (ADDITIONAL DEPTH), 5-FT DIA.	VFT	5	\$ 240.00	\$ 1,200.00	\$ 385.00	\$ 1,925.00	\$ 550.00	\$ 2,750.00	\$ 350.00	\$ 1,750.00	\$ 2,000.00	\$ 10,000.00	\$ 700.00	\$ 3,500.00	\$ 531.52	\$ 2,657.60

Village of Arlington Heights, IL
Euclid Avenue Water Main Improvements

Bid Date/Time: April 1, 2025 at 9:00 AM
Engineer's Job No. 2401308.00

				Engineer's Estimate		Swallow Construction Corp.		Miller Pipeline, LLC		Joel Kennedy Constructing Corp.		Acqua Contractors		Bolder Contractors, Inc.		Trine Construction Corp.	
No.	Item	QTY	Unit	Unit Price	Total Price	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
42	FIRE HYDRANT	EACH	31	\$ 9,500.00	\$ 294,500.00	\$ 12,500.00	\$ 387,500.00	\$ 10,500.00	\$ 325,500.00	\$ 15,500.00	\$ 480,500.00	\$ 15,000.00	\$ 465,000.00	\$ 16,000.00	\$ 496,000.00	\$ 9,393.04	\$ 291,184.24
43	FIRE HYDRANT BARREL EXTENSION	VFT	10	\$ 750.00	\$ 7,500.00	\$ 1,000.00	\$ 10,000.00	\$ 1,000.00	\$ 10,000.00	\$ 800.00	\$ 8,000.00	\$ 1,500.00	\$ 15,000.00	\$ 2,000.00	\$ 20,000.00	\$ 1,219.36	\$ 12,193.60
44	LINE STOP, 4-INCH	EACH	4	\$ 5,000.00	\$ 20,000.00	\$ 8,100.00	\$ 32,400.00	\$ 9,500.00	\$ 38,000.00	\$ 6,800.00	\$ 27,200.00	\$ 7,900.00	\$ 31,600.00	\$ 5,100.00	\$ 20,400.00	\$ 4,850.00	\$ 19,400.00
45	LINE STOP, 6-INCH	EACH	5	\$ 6,000.00	\$ 30,000.00	\$ 8,550.00	\$ 42,750.00	\$ 10,500.00	\$ 52,500.00	\$ 7,200.00	\$ 36,000.00	\$ 9,500.00	\$ 47,500.00	\$ 6,700.00	\$ 33,500.00	\$ 4,300.00	\$ 21,500.00
46	LINE STOP, 8-INCH	EACH	2	\$ 6,750.00	\$ 13,500.00	\$ 8,800.00	\$ 17,600.00	\$ 12,000.00	\$ 24,000.00	\$ 7,700.00	\$ 15,400.00	\$ 9,825.00	\$ 19,650.00	\$ 8,300.00	\$ 16,600.00	\$ 4,700.00	\$ 9,400.00
47	LINE STOP, 10-INCH	EACH	1	\$ 8,500.00	\$ 8,500.00	\$ 10,250.00	\$ 10,250.00	\$ 13,500.00	\$ 13,500.00	\$ 9,700.00	\$ 9,700.00	\$ 12,375.00	\$ 12,375.00	\$ 9,900.00	\$ 9,900.00	\$ 5,900.00	\$ 5,900.00
48	LINE STOP, 12-INCH	EACH	2	\$ 9,420.00	\$ 18,840.00	\$ 10,500.00	\$ 21,000.00	\$ 15,000.00	\$ 30,000.00	\$ 10,300.00	\$ 20,600.00	\$ 14,200.00	\$ 28,400.00	\$ 11,500.00	\$ 23,000.00	\$ 6,400.00	\$ 12,800.00
49	ABANDONMENT OF EXISTING WATER MAINS AND APPURTENANCES	LSUM	1	\$ 20,000.00	\$ 20,000.00	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	\$ 30,000.00	\$ 30,000.00	\$ 50,000.00	\$ 50,000.00	\$ 20,000.00	\$ 20,000.00	\$ 160,096.39	\$ 160,096.39
50	RETIRE EXISTING FIRE HYDRANT	EACH	32	\$ 100.00	\$ 3,200.00	\$ 300.00	\$ 9,600.00	\$ 1,250.00	\$ 40,000.00	\$ 400.00	\$ 12,800.00	\$ 1,200.00	\$ 38,400.00	\$ 1,200.00	\$ 38,400.00	\$ 442.93	\$ 14,173.76
51	FILLING OF EXISTING PIPE FOR ABANDONMENT	FOOT	1965	\$ 5.00	\$ 9,825.00	\$ 15.00	\$ 29,475.00	\$ 15.00	\$ 29,475.00	\$ 12.00	\$ 23,580.00	\$ 10.00	\$ 19,650.00	\$ 15.00	\$ 29,475.00	\$ 42.77	\$ 84,043.05
52	SANITARY SEWER REMOVAL AND REPLACEMENT, 8-INCH	FOOT	37	\$ 220.00	\$ 8,140.00	\$ 345.00	\$ 12,765.00	\$ 175.00	\$ 6,475.00	\$ 160.00	\$ 5,920.00	\$ 365.00	\$ 13,505.00	\$ 350.00	\$ 12,950.00	\$ 392.38	\$ 14,518.06
53	SANITARY SEWER REMOVAL AND REPLACEMENT, 10-INCH	FOOT	85	\$ 220.00	\$ 18,700.00	\$ 250.00	\$ 21,250.00	\$ 450.00	\$ 38,250.00	\$ 162.00	\$ 13,770.00	\$ 305.00	\$ 25,925.00	\$ 360.00	\$ 30,600.00	\$ 382.38	\$ 32,502.30
54	SANITARY SEWER REMOVAL AND REPLACEMENT, 12-INCH	FOOT	139	\$ 240.00	\$ 33,360.00	\$ 210.00	\$ 29,190.00	\$ 550.00	\$ 76,450.00	\$ 165.00	\$ 22,935.00	\$ 321.00	\$ 44,619.00	\$ 370.00	\$ 51,430.00	\$ 395.38	\$ 54,957.82
55	STORM SEWER REMOVAL AND REPLACEMENT, 10-INCH	FOOT	42	\$ 150.00	\$ 6,300.00	\$ 145.00	\$ 6,090.00	\$ 325.00	\$ 13,650.00	\$ 162.00	\$ 6,804.00	\$ 330.00	\$ 13,860.00	\$ 280.00	\$ 11,760.00	\$ 159.40	\$ 6,694.80
56	STORM SEWER REMOVAL AND REPLACEMENT, 12-INCH	FOOT	547	\$ 175.00	\$ 95,725.00	\$ 125.00	\$ 68,375.00	\$ 465.00	\$ 254,355.00	\$ 165.00	\$ 90,255.00	\$ 354.00	\$ 193,638.00	\$ 290.00	\$ 158,630.00	\$ 165.85	\$ 90,719.95
57	STORM SEWER (OPEN CUT), 24-INCH RCP, FT TO 16 FT DEEP	FOOT	78	\$ 350.00	\$ 27,300.00	\$ 225.00	\$ 17,550.00	\$ 850.00	\$ 66,300.00	\$ 200.00	\$ 15,600.00	\$ 282.00	\$ 21,996.00	\$ 300.00	\$ 23,400.00	\$ 475.66	\$ 37,101.48
58	STORM SEWER MANHOLE, TYPE A, 5' DIA., FT TO 16 FT DEEP	EACH	2	\$ 7,500.00	\$ 15,000.00	\$ 9,000.00	\$ 18,000.00	\$ 15,000.00	\$ 30,000.00	\$ 7,000.00	\$ 14,000.00	\$ 12,500.00	\$ 25,000.00	\$ 15,000.00	\$ 30,000.00	\$ 17,089.60	\$ 34,179.20
59	REMOVE AND REPLACE CATCH BASIN, TYPE A, 4' DIA.	EACH	3	\$ 2,500.00	\$ 7,500.00	\$ 4,500.00	\$ 13,500.00	\$ 4,000.00	\$ 12,000.00	\$ 4,800.00	\$ 14,400.00	\$ 5,950.00	\$ 17,850.00	\$ 9,500.00	\$ 28,500.00	\$ 6,182.93	\$ 18,548.79
60	REMOVE AND REPLACE INLET, TYPE A, 2' DIA.	EACH	2	\$ 2,500.00	\$ 5,000.00	\$ 2,500.00	\$ 5,000.00	\$ 3,000.00	\$ 6,000.00	\$ 3,000.00	\$ 6,000.00	\$ 2,700.00	\$ 5,400.00	\$ 7,000.00	\$ 14,000.00	\$ 3,360.27	\$ 6,720.54
61	INLET PROTECTION FILTER	EACH	115	\$ 170.00	\$ 19,550.00	\$ 250.00	\$ 28,750.00	\$ 160.00	\$ 18,400.00	\$ 285.00	\$ 32,775.00	\$ 225.00	\$ 25,875.00	\$ 50.00	\$ 5,750.00	\$ 373.46	\$ 42,947.90
62	RESTORATION OF LAWNS AND PARKWAYS	SQYD	3800	\$ 20.00	\$ 76,000.00	\$ 18.00	\$ 68,400.00	\$ 35.00	\$ 133,000.00	\$ 25.00	\$ 95,000.00	\$ 19.00	\$ 72,200.00	\$ 28.00	\$ 106,400.00	\$ 30.72	\$ 116,736.00
63	MULCH LANDSCAPE RESTORATION	SQYD	80	\$ 20.00	\$ 1,600.00	\$ 7.00	\$ 560.00	\$ 40.00	\$ 3,200.00	\$ 10.00	\$ 800.00	\$ 7.15	\$ 572.00	\$ 20.00	\$ 1,600.00	\$ 108.80	\$ 8,704.00
64	TEMPORARY HOT-MIX ASPHALT PAVEMENT	SQYD	4100	\$ 50.00	\$ 205,000.00	\$ 19.00	\$ 77,900.00	\$ 16.50	\$ 67,650.00	\$ 25.50	\$ 104,550.00	\$ 20.00	\$ 82,000.00	\$ 16.00	\$ 65,600.00	\$ 44.80	\$ 183,680.00
65	CLASS C PATCH (SPECIAL), 10-INCH PCC 2-INCH HMA SURFACE	SQYD	300	\$ 150.00	\$ 45,000.00	\$ 203.25	\$ 60,975.00	\$ 240.00	\$ 72,000.00	\$ 150.00	\$ 45,000.00	\$ 158.00	\$ 47,400.00	\$ 200.00	\$ 60,000.00	\$ 265.60	\$ 79,680.00
66	CLASS D PATCH, 12-INCH BINDER	SQYD	3800	\$ 120.00	\$ 456,000.00	\$ 107.75	\$ 409,450.00	\$ 150.00	\$ 570,000.00	\$ 125.00	\$ 475,000.00	\$ 118.00	\$ 448,400.00	\$ 90.00	\$ 342,000.00	\$ 147.20	\$ 559,360.00
67	CLASS D PATCH (SPECIAL), 10-INCH BINDER 2-INCH SURFACE	SQYD	1150	\$ 135.00	\$ 155,250.00	\$ 115.25	\$ 132,537.50	\$ 130.00	\$ 149,500.00	\$ 130.00	\$ 149,500.00	\$ 119.00	\$ 136,850.00	\$ 130.00	\$ 149,500.00	\$ 134.40	\$ 154,560.00
68	HMA DRIVEWAY REMOVAL AND REPLACEMENT, 3-INCH	SQYD	200	\$ 75.00	\$ 15,000.00	\$ 30.00	\$ 6,000.00	\$ 45.00	\$ 9,000.00	\$ 80.00	\$ 16,000.00	\$ 35.00	\$ 7,000.00	\$ 95.00	\$ 19,000.00	\$ 57.60	\$ 11,520.00
69	PCC DRIVEWAY REMOVAL AND REPLACEMENT, 6-INCH	SQYD	150	\$ 125.00	\$ 18,750.00	\$ 150.00	\$ 22,500.00	\$ 175.00	\$ 26,250.00	\$ 132.00	\$ 19,800.00	\$ 145.00	\$ 21,750.00	\$ 200.00	\$ 30,000.00	\$ 169.60	\$ 25,440.00
70	PCC SIDEWALK REMOVAL AND REPLACEMENT	SQFT	11100	\$ 10.00	\$ 111,000.00	\$ 20.00	\$ 222,000.00	\$ 12.00	\$ 133,200.00	\$ 14.00	\$ 155,400.00	\$ 15.50	\$ 172,050.00	\$ 16.00	\$ 177,600.00	\$ 18.56	\$ 206,016.00
71	DETECTABLE WARNINGS	SQFT	310	\$ 50.00	\$ 15,500.00	\$ 38.00	\$ 11,780.00	\$ 30.00	\$ 9,300.00	\$ 50.00	\$ 15,500.00	\$ 42.50	\$ 13,175.00	\$ 38.00	\$ 11,780.00	\$ 66.56	\$ 20,633.60
72	PCC CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	2100	\$ 30.00	\$ 63,000.00	\$ 55.00	\$ 115,500.00	\$ 80.00	\$ 168,000.00	\$ 65.00	\$ 136,500.00	\$ 62.30	\$ 130,830.00	\$ 55.00	\$ 115,500.00	\$ 89.60	\$ 188,160.00
73	PAVEMENT MARKING - LINE, 4-INCH (THERMOPLASTIC)	FOOT	750	\$ 4.00	\$ 3,000.00	\$ 2.50	\$ 1,875.00	\$ 2.00	\$ 1,500.00	\$ 2.00	\$ 1,500.00	\$ 1.60	\$ 1,200.00	\$ 2.00	\$ 1,500.00	\$ 2.37	\$ 1,777.50
74	PAVEMENT MARKING - LINE, 6-INCH (THERMOPLASTIC)	FOOT	110	\$ 8.00	\$ 880.00	\$ 3.00	\$ 330.00	\$ 2.75	\$ 302.50	\$ 3.00	\$ 330.00	\$ 2.50	\$ 275.00	\$ 4.00	\$ 440.00	\$ 3.20	\$ 352.00
75	PAVEMENT MARKING - LINE, 12-INCH (THERMOPLASTIC)	FOOT	720	\$ 12.00	\$ 8,640.00	\$ 5.00	\$ 3,600.00	\$ 4.00	\$ 2,880.00	\$ 4.00	\$ 2,880.00	\$ 5.00	\$ 3,600.00	\$ 5.00	\$ 3,600.00	\$ 4.80	\$ 3,456.00
76	PAVEMENT MARKING - LINE, 24-INCH (THERMOPLASTIC)	FOOT	310	\$ 20.00	\$ 6,200.00	\$ 10.00	\$ 3,100.00	\$ 6.75	\$ 2,092.50	\$ 7.00	\$ 2,170.00	\$ 9.85	\$ 3,053.50	\$ 15.00	\$ 4,650.00	\$ 8.00	\$ 2,480.00
77	PAVEMENT MARKING - LETTERS AND SYMBOLS	SQFT	90	\$ 25.00	\$ 2,250.00	\$ 6.00	\$ 540.00	\$ 7.60	\$ 684.00	\$ 10.00	\$ 900.00	\$ 5.30	\$ 477.00	\$ 15.00	\$ 1,350.00	\$ 8.96	\$ 806.40
78	RAISED REFLECTIVE PAVEMENT MARKER	EACH	5	\$ 400.00	\$ 2,000.00	\$ 1,500.00	\$ 7,500.00	\$ 830.00	\$ 4,150.00	\$ 775.00	\$ 3,875.00	\$ 1,490.00	\$ 7,450.00	\$ 770.00	\$ 3,850.00	\$ 985.60	\$ 4,928.00
79	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	5	\$ 3,500.00	\$ 17,500.00	\$ 3,000.00	\$ 15,000.00	\$ 2,575.00	\$ 12,875.00	\$ 750.00	\$ 3,750.00	\$ 1,460.00	\$ 7,300.00	\$ 2,400.00	\$ 12,000.00	\$ 3,046.40	\$ 15,232.00

Village of Arlington Heights, IL
Euclid Avenue Water Main Improvements

Bid Date/Time: April 1, 2025 at 9:00 AM
Engineer's Job No. 2401308.00

				Engineer's Estimate		Swallow Construction Corp.		Miller Pipeline, LLC		Joel Kennedy Constructing Corp.		Acqua Contractors		Bolder Contractors, Inc.		Trine Construction Corp.	
No.	Item	QTY	Unit	Unit Price	Total Price	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
80	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	5	\$ 6,250.00	\$ 31,250.00	\$ 15,200.00	\$ 76,000.00	\$ 16,500.00	\$ 82,500.00	\$ 17,000.00	\$ 85,000.00	\$ 6,331.00	\$ 31,655.00	\$ 15,200.00	\$ 76,000.00	\$ 19,456.00	\$ 97,280.00
81	TEMPORARY INFORMATION SIGNING	SQFT	134	\$ 30.00	\$ 4,020.00	\$ 20.00	\$ 2,680.00	\$ 17.50	\$ 2,345.00	\$ 20.00	\$ 2,680.00	\$ 26.50	\$ 3,551.00	\$ 20.00	\$ 2,680.00	\$ 20.48	\$ 2,744.32
82	DETECTOR LOOP REPLACEMENT, TYPE 1	FOOT	350	\$ 60.00	\$ 21,000.00	\$ 105.00	\$ 36,750.00	\$ 115.00	\$ 40,250.00	\$ 105.00	\$ 36,750.00	\$ 36.00	\$ 12,600.00	\$ 110.00	\$ 38,500.00	\$ 132.10	\$ 46,235.00
83	REMOVAL AND REPLACEMENT OF SIGNS	EACH	18	\$ 350.00	\$ 6,300.00	\$ 200.00	\$ 3,600.00	\$ 250.00	\$ 4,500.00	\$ 400.00	\$ 7,200.00	\$ 433.00	\$ 7,794.00	\$ 275.00	\$ 4,950.00	\$ 192.00	\$ 3,456.00
84	FENCE TO BE REMOVED AND RE-ERECTED	FOOT	50	\$ 60.00	\$ 3,000.00	\$ 110.00	\$ 5,500.00	\$ 60.00	\$ 3,000.00	\$ 75.00	\$ 3,750.00	\$ 166.00	\$ 8,300.00	\$ 200.00	\$ 10,000.00	\$ 85.76	\$ 4,288.00
85	SANITARY SERVICE LINE RELOCATION	EACH	49	\$ 1,300.00	\$ 63,700.00	\$ 1,600.00	\$ 78,400.00	\$ 850.00	\$ 41,650.00	\$ 2,100.00	\$ 102,900.00	\$ 1,000.00	\$ 49,000.00	\$ 800.00	\$ 39,200.00	\$ 1.00	\$ 49.00
86	TREE ROOT PRUNING	EACH	142	\$ 200.00	\$ 28,400.00	\$ 200.00	\$ 28,400.00	\$ 25.00	\$ 3,550.00	\$ 110.00	\$ 15,620.00	\$ 106.00	\$ 15,052.00	\$ 150.00	\$ 21,300.00	\$ 1.00	\$ 142.00
87	TREE PROTECTION (TEMPORARY FENCING)	FOOT	17400	\$ 2.00	\$ 34,800.00	\$ 5.00	\$ 87,000.00	\$ 1.00	\$ 17,400.00	\$ 2.00	\$ 34,800.00	\$ 3.30	\$ 57,420.00	\$ 1.00	\$ 17,400.00	\$ 4.80	\$ 83,520.00
88	EXPLORATORY EXCAVATION	EACH	20	\$ 540.00	\$ 10,800.00	\$ 500.00	\$ 10,000.00	\$ 1,000.00	\$ 20,000.00	\$ 500.00	\$ 10,000.00	\$ 1,000.00	\$ 20,000.00	\$ 1,500.00	\$ 30,000.00	\$ 1,661.00	\$ 33,220.00
89	REMOVAL AND REPLACEMENT OF UNSUITABLE	CUYD	145	\$ 70.00	\$ 10,150.00	\$ 200.00	\$ 29,000.00	\$ 60.00	\$ 8,700.00	\$ 70.00	\$ 10,150.00	\$ 80.00	\$ 11,600.00	\$ 140.00	\$ 20,300.00	\$ 57.60	\$ 8,352.00
90	SOIL TESTS FOR CONTAMINANTS	EACH	20	\$ 1,250.00	\$ 25,000.00	\$ 1,500.00	\$ 30,000.00	\$ 1,200.00	\$ 24,000.00	\$ 100.00	\$ 2,000.00	\$ 1,350.00	\$ 27,000.00	\$ 600.00	\$ 12,000.00	\$ 1.00	\$ 20.00
91	WATER SERVICE CONNECTION (ADDITIONAL DEPTH)	EACH	50	\$ 500.00	\$ 25,000.00	\$ 650.00	\$ 32,500.00	\$ 800.00	\$ 40,000.00	\$ 100.00	\$ 5,000.00	\$ 100.00	\$ 5,000.00	\$ 500.00	\$ 25,000.00	\$ 1.00	\$ 50.00
92	CONTAMINATED WASTE DISPOSAL	TON	217	\$ 55.00	\$ 11,935.00	\$ 125.00	\$ 27,125.00	\$ 80.00	\$ 17,360.00	\$ 50.00	\$ 10,850.00	\$ 80.00	\$ 17,360.00	\$ 100.00	\$ 21,700.00	\$ 70.40	\$ 15,276.80
SUBTOTAL - BASE BID:					\$ 7,590,000.00		\$ 8,382,082.50		\$ 9,590,169.00		\$ 9,636,543.00		\$ 10,066,000.00		\$ 11,935,736.00		\$ 12,153,464.00
AS READ BID PRICE (IF DIFFERENT FROM CALCULATED TOTAL)									\$9,590,167.50								
ALTERNATE 1 - GREENBRIAR CT WATER MAIN																	
1	MOBILIZATION	LSUM	1	\$ 10,000.00	\$ 10,000.00	\$ 25,000.00	\$ 25,000.00	\$ 20,000.00	\$ 20,000.00	\$ 42,000.00	\$ 42,000.00	\$ 24,749.50	\$ 24,749.50	\$ 20,000.00	\$ 20,000.00	\$ 35,380.00	\$ 35,380.00
2	GRANULAR BACKFILL	CUYD	600	\$ 55.00	\$ 33,000.00	\$ 60.00	\$ 36,000.00	\$ 5.00	\$ 3,000.00	\$ 1.00	\$ 600.00	\$ 40.00	\$ 24,000.00	\$ 30.00	\$ 18,000.00	\$ 79.72	\$ 47,832.00
3	WATER MAIN (OPEN CUT), 6-INCH	FOOT	14	\$ 130.00	\$ 1,820.00	\$ 90.00	\$ 1,260.00	\$ 50.00	\$ 700.00	\$ 150.00	\$ 2,100.00	\$ 230.00	\$ 3,220.00	\$ 220.00	\$ 3,080.00	\$ 212.27	\$ 2,971.78
4	WATER MAIN (OPEN CUT), 8-INCH	FOOT	628	\$ 145.00	\$ 91,060.00	\$ 100.00	\$ 62,800.00	\$ 130.00	\$ 81,640.00	\$ 263.00	\$ 165,164.00	\$ 160.00	\$ 100,480.00	\$ 270.00	\$ 169,560.00	\$ 102.76	\$ 64,533.28
5	CASING PIPE (OPEN CUT), 16-INCH	FOOT	27	\$ 100.00	\$ 2,700.00	\$ 200.00	\$ 5,400.00	\$ 175.00	\$ 4,725.00	\$ 193.00	\$ 5,211.00	\$ 200.00	\$ 5,400.00	\$ 150.00	\$ 4,050.00	\$ 191.21	\$ 5,162.67
6	MISCELLANEOUS FITTINGS	POUND	500	\$ 5.00	\$ 2,500.00	\$ 1.00	\$ 500.00	\$ 1.00	\$ 500.00	\$ 2.00	\$ 1,000.00	\$ 0.01	\$ 5.00	\$ 15.00	\$ 7,500.00	\$ 0.01	\$ 5.00
7	WATER SERVICE CONNECTION, SHORT SIDE, 1-INCH	EACH	11	\$ 3,000.00	\$ 33,000.00	\$ 3,900.00	\$ 42,900.00	\$ 3,500.00	\$ 38,500.00	\$ 4,800.00	\$ 52,800.00	\$ 2,550.00	\$ 28,050.00	\$ 2,500.00	\$ 27,500.00	\$ 4,335.99	\$ 47,695.89
8	WATER SERVICE CONNECTION TO EXISTING SERVICE LINE, 1-INCH (ALTERNATE 1)	EACH	4	\$ 1,500.00	\$ 6,000.00	\$ 3,800.00	\$ 15,200.00	\$ 3,500.00	\$ 14,000.00	\$ 3,600.00	\$ 14,400.00	\$ 2,000.00	\$ 8,000.00	\$ 2,500.00	\$ 10,000.00	\$ 4,016.59	\$ 16,066.36
9	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 6-INCH	EACH	2	\$ 4,000.00	\$ 8,000.00	\$ 10,500.00	\$ 21,000.00	\$ 7,500.00	\$ 15,000.00	\$ 8,100.00	\$ 16,200.00	\$ 11,000.00	\$ 22,000.00	\$ 6,000.00	\$ 12,000.00	\$ 8,858.67	\$ 17,717.34
10	GATE VALVE, 8-INCH	EACH	2	\$ 2,300.00	\$ 4,600.00	\$ 7,000.00	\$ 14,000.00	\$ 2,000.00	\$ 4,000.00	\$ 2,400.00	\$ 4,800.00	\$ 3,100.00	\$ 6,200.00	\$ 7,000.00	\$ 14,000.00	\$ 5,721.60	\$ 11,443.20
11	VALVE VAULT, 4-FOOT DIAMETER	EACH	2	\$ 2,500.00	\$ 5,000.00	\$ 500.00	\$ 1,000.00	\$ 3,250.00	\$ 6,500.00	\$ 8,000.00	\$ 16,000.00	\$ 3,850.00	\$ 7,700.00	\$ 4,000.00	\$ 8,000.00	\$ 5,331.60	\$ 10,663.20
12	FIRE HYDRANT	EACH	2	\$ 9,500.00	\$ 19,000.00	\$ 12,250.00	\$ 24,500.00	\$ 9,000.00	\$ 18,000.00	\$ 15,500.00	\$ 31,000.00	\$ 15,000.00	\$ 30,000.00	\$ 12,000.00	\$ 24,000.00	\$ 9,393.04	\$ 18,786.08
13	LINE STOP, 6-INCH	EACH	1	\$ 6,000.00	\$ 6,000.00	\$ 8,500.00	\$ 8,500.00	\$ 10,000.00	\$ 10,000.00	\$ 7,200.00	\$ 7,200.00	\$ 9,050.00	\$ 9,050.00	\$ 6,600.00	\$ 6,600.00	\$ 4,300.00	\$ 4,300.00
14	INLET PROTECTION FILTER	EACH	5	\$ 170.00	\$ 850.00	\$ 250.00	\$ 1,250.00	\$ 50.00	\$ 250.00	\$ 285.00	\$ 1,425.00	\$ 225.00	\$ 1,125.00	\$ 50.00	\$ 250.00	\$ 373.46	\$ 1,867.30
15	RESTORATION OF LAWNS AND PARKWAYS	SQYD	300	\$ 20.00	\$ 6,000.00	\$ 18.00	\$ 5,400.00	\$ 35.00	\$ 10,500.00	\$ 25.00	\$ 7,500.00	\$ 19.50	\$ 5,850.00	\$ 25.00	\$ 7,500.00	\$ 24.00	\$ 7,200.00
16	CLASS D PATCH (SPECIAL), 2.5-INCH BINDER INCH SURFACE	SQYD	590	\$ 45.00	\$ 26,550.00	\$ 82.75	\$ 48,822.50	\$ 65.00	\$ 38,350.00	\$ 62.00	\$ 36,580.00	\$ 44.50	\$ 26,255.00	\$ 45.00	\$ 26,550.00	\$ 65.00	\$ 38,350.00
17	PCC DRIVEWAY REMOVAL AND REPLACEMENT, INCH	SQYD	10	\$ 125.00	\$ 1,250.00	\$ 146.25	\$ 1,462.50	\$ 150.00	\$ 1,500.00	\$ 132.00	\$ 1,320.00	\$ 141.00	\$ 1,410.00	\$ 200.00	\$ 2,000.00	\$ 162.50	\$ 1,625.00
18	PCC SIDEWALK REMOVAL AND REPLACEMENT	SQFT	625	\$ 10.00	\$ 6,250.00	\$ 16.50	\$ 10,312.50	\$ 11.50	\$ 7,187.50	\$ 14.00	\$ 8,750.00	\$ 17.50	\$ 10,937.50	\$ 20.00	\$ 12,500.00	\$ 14.50	\$ 9,062.50
19	PCC CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	120	\$ 30.00	\$ 3,600.00	\$ 55.00	\$ 6,600.00	\$ 70.00	\$ 8,400.00	\$ 65.00	\$ 7,800.00	\$ 64.40	\$ 7,728.00	\$ 70.00	\$ 8,400.00	\$ 96.00	\$ 11,520.00
20	REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL	CUYD	11	\$ 70.00	\$ 770.00	\$ 200.00	\$ 2,200.00	\$ 60.00	\$ 660.00	\$ 70.00	\$ 770.00	\$ 80.00	\$ 880.00	\$ 68.00	\$ 748.00	\$ 57.60	\$ 633.60
21	SOIL TESTS FOR CONTAMINANTS	EACH	2	\$ 1,250.00	\$ 2,500.00	\$ 1,500.00	\$ 3,000.00	\$ 800.00	\$ 1,600.00	\$ 100.00	\$ 200.00	\$ 1,300.00	\$ 2,600.00	\$ 1,000.00	\$ 2,000.00	\$ 1.00	\$ 2.00
22	CONTAMINATED WASTE DISPOSAL	TON	17	\$ 55.00	\$ 935.00	\$ 125.00	\$ 2,125.00	\$ 60.00	\$ 1,020.00	\$ 50.00	\$ 850.00	\$ 80.00	\$ 1,360.00	\$ 100.00	\$ 1,700.00	\$ 70.40	\$ 1,196.80
SUBTOTAL - ALTERNATE 1:					\$ 280,000.00		\$ 339,232.50		\$ 286,032.50		\$ 423,670.00		\$ 327,000.00		\$ 385,938.00		\$ 354,014.00
TOTAL BID PRICE					\$ 7,870,000.00		\$ 8,721,315.00		\$ 9,876,201.50		\$ 10,060,213.00		\$ 10,393,000.00		\$ 12,321,674.00		\$ 12,507,478.00
AS READ BID PRICE (IF DIFFERENT FROM CALCULATED TOTAL)									\$ 9,876,200.00								

Highlighted Cell Indicates Error



Village of Arlington Heights

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

NOTICE OF AWARD

Swallow Construction Corporation
490 Topsoil Drive
West Chicago, IL 60185

April 21, 2025

Project Description: Euclid Ave Water Main Replacement 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 April 1, 2025.

YOU ARE HEAREBY NOTIFIED that your proposal/bid has been accepted by the Village Board on April 21, 2025 for items and services for the amount of: **Eight Million, Seven Hundred Twenty-One Thousand, Three Hundred Fifteen Dollars and 00/100ths (\$8,721,315.00).**

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 21st 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 Swallow Construction Corporation this _____ of _____ (month), 2025.

By: _____

Title: _____

**VILLAGE OF ARLINGTON HEIGHTS
CONTRACT**

This Agreement is made and entered into this 21st day of April, 2025, between the Village of Arlington Heights "Village" and Swallow Construction Corporation, "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 Euclid Ave Water Main Replacement 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

Clerk
(Seal)

By: _____

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

EUCLID AVENUE WATER MAIN IMPROVEMENTS

Required for Use by: Village of Arlington Heights- Public Works and Engineering

Bid Deposit: 10% of bid

Performance Bond: 100% of bid

Pre-Bid Meeting: Wednesday, March 12, 2025 at 10:00 am

Date and Time Bids Due: April 1, 2025 at 9:00 A.M.

Date and Time of Bid Opening: April 1, 2025 at 9:00 A.M.

Project Contact: Scott Schweda, sschweda@vah.com, 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

EUCLID AVENUE WATER MAIN IMPROVEMENTS

Sealed proposals will be received by the Village of Arlington Heights, 33 S. Arlington Heights Road, Arlington Heights, Illinois, until **9:00 A.M. local time on April 1st, 2025**, at which time they will be publicly opened and read.

Base Bid:

Replace approximately 13,550 L.F. of 4" through 12" water main via open cut (5,600 L.F.) and directional drilling (7,950 L.F.) methods, including new water services, lead service line replacements, hydrants, valves, and other appurtenances. Additionally, install approximately 78 L.F. of 24" storm sewer on Forrest Avenue.

Alternate #1:

Replace approximately 642 L.F. of water main via open cut methods on Greenbriar Court, including new water services, hydrants, valves, and other appurtenances.

A **Non-Mandatory Pre-Bid Conference** will be held on **Wednesday, March 12, 2025 at 10:00 A.M.** at the **Village of Arlington Heights Public Works, 222 North Ridge Avenue, Arlington Heights, IL 60005.**

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 and interior photos of service line entry points (where available) 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

EUCLID AVENUE WATER MAIN IMPROVEMENTS

A **Non-Mandatory Pre-Bid Conference** will be held on **Wednesday, March 12, 2025 at 10:00 A.M.** at the **Village of Arlington Heights Public Works, 222 North 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 Bruce Aderman, the Engineer (815-444-3331 or baderman@baxterwoodman.com) 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:
Bruce J. Aderman
baderman@baxterwoodman.com
(815) 444 - 3331

**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 on the basis of the Base Bid without consideration of alternates. The Village reserves the right to include alternates in the Contract in any order or combination. 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 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.

5.07 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. 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) Bidder may propose substitute or "or equal" contractors in the Alternate Products Form, for work listed in the Proposed Products Form and specified in the Specifications for which a substitute or "or equal" contractor may be allowed if acceptable to the Village. The determination of lowest Bid will be based on the bid price in the Bid Form without consideration of alternate prices for the work listed in the Proposed Products Form. Application for such acceptance will not be considered by the Village until after the Effective Date of the Agreement. The procedure for submission and evaluation of any substitute or "or equal" contractors is set forth herein.

(5) 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.

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 ABANDONMENT:

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 Statutes, 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 Statutes, 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: _____



PROPOSED PRODUCTS FORM

1. FAILURE TO SUBMIT THIS FORM WITH THE BID FORM, OR REVISING THE LISTED MANUFACTURERS IN THIS FORM, SHALL CAUSE REJECTION OF THE BID AS NON-RESPONSIVE.
2. Pursuant to bidding requirements for the Work titled:

Village of Arlington Heights Euclid Avenue Water Main Improvements

The Village has pre-cleared contractors A through C below, but Bidder's may propose an alternate on the Alternate Products Form. Bidder's bid price proposed on the Bid Form is based upon one of the following contractors, as shown on the Drawings and described in the Specifications for Lead Water Service Line Replacements. Bidder shall circle the contractor(s) included in the Bid, regardless on if an Alternate has been provided.

<u>SPECIFICATION SECTION</u>	<u>DESCRIPTION OF ITEM</u>	<u>CONTRACTOR (CIRCLE ONE)</u>
<u>33 11 43.13</u>	<u>Lead Water Service Pipe Replacement - Curb Stop to Water Meter</u>	<u>(A) Capps Plumbing</u>
		<u>(B) Central Plumbing Co.</u>
		<u>(C) Green Tech Plumbing</u>

END OF PROPOSED PRODUCTS FORM



ALTERNATE PRODUCTS FORM

1. FAILURE TO SUBMIT THIS FORM WITH THE BID FORM, WHETHER OR NOT ALTERNATES ARE SUBMITTED, SHALL CAUSE REJECTION OF THE BID AS NON-RESPONSIVE. COMPLETE EITHER SECTION 2 OR SECTION 3.
2. Pursuant to bidding requirements for the Work titled:

Village of Arlington Heights Euclid Avenue Water Main Improvements

Bidder submits the following prices for deduction from or addition to the lump sum price in the Bid Form for the following named substitute or "or equal" items, and expressly agrees to the following provisions: (It is not necessary to submit alternates).

- A. That the determination of the lowest Bid will be based on the bid price in the Bid Form without consideration of the alternate prices.
- B. That Owner may select any contractor as listed for Lead Water Service Line Replacements, as shown on the Drawings and described in the Specifications, and Bidder agrees to provide such contractors as selected, and for an adjusted Contract Price equal to the bid price in the Bid Form adjusted by the prices for the alternate contractors selected by Owner.
- C. That the price for each contractor for Lead Water Service Line Replacements includes the preparation and submission to Owner of detailed drawings showing all modifications necessary (if any) to accommodate such alternate, all as defined and described in the Contract and the Specifications.
- D. That each alternate price includes the cost to furnish and install Lead Water Service Line Replacements complete in place and the cost of engineering redesign (if any).
- E. That Owner will not evaluate the proposed alternate contractor(s) for Lead Water Service Line Replacements until after Effective Date of the Agreement.
- F. That Owner will evaluate the proposed alternate items as Substitute Items in accordance with the Contract.



ALTERNATE PRODUCTS FORM *Continued*

SPECIFICATION SECTION	DESCRIPTION OF ITEM	PROPOSED CONTRACTOR	ALTERNATE PRICES (CIRCLE ONE)
33 11 43.13	Lead Water Service Pipe Replacement – Curb Stop to Water Meter		Add or (Deduct) \$

(Signature)

(Date)

OR

3. BIDDER acknowledges alternates are not being submitted as evidenced by the following signature and date:

(Signature)

(Date)

END OF ALTERNATE PRODUCTS FORM

**COMPLETE TABLE AS INDICATED
BID FORMS**

SCHEDULE OF UNIT PRICES					
NO.	PAY ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
BASE BID - EUCLID AVENUE WATER MAIN IMPROVEMENTS					
1	MOBILIZATION	1	LSUM	\$	\$
2	PRECONSTRUCTION VIDEO RECORDING	1	LSUM	\$	\$
3	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1	LSUM	\$	\$
4	GRANULAR BACKFILL	5,100	CUYD	\$	\$
5	TRENCH BACKFILL (SPECIAL)	1,400	CUYD	\$	\$
6	WATER MAIN (OPEN CUT), 4-INCH	37	FOOT	\$	\$
7	WATER MAIN (OPEN CUT), 6-INCH	249	FOOT	\$	\$
8	WATER MAIN (OPEN CUT), 8-INCH	2,358	FOOT	\$	\$
9	WATER MAIN (OPEN CUT), 10-INCH	2,813	FOOT	\$	\$
10	WATER MAIN (OPEN CUT), 12-INCH	139	FOOT	\$	\$
11	WATER MAIN (DIRECTIONALLY DRILLED), 8-INCH	126	FOOT	\$	\$
12	WATER MAIN (DIRECTIONALLY DRILLED), 10-INCH	7,575	FOOT	\$	\$
13	WATER MAIN (DIRECTIONALLY DRILLED) 4-INCH MIN. I.D. HDPE	48	FOOT	\$	\$
14	WATER MAIN (DIRECTIONALLY DRILLED) 6-INCH MIN. I.D. HDPE	47	FOOT	\$	\$
15	WATER MAIN (DIRECTIONALLY DRILLED) 8-INCH MIN. I.D. HDPE	62	FOOT	\$	\$
16	WATER MAIN (DIRECTIONALLY DRILLED) 12-INCH MIN. I.D. HDPE	88	FOOT	\$	\$
17	CASING PIPE (OPEN CUT), 16-INCH	95	FOOT	\$	\$
18	CASING PIPE (OPEN CUT), 18-INCH	107	FOOT	\$	\$
19	MISCELLANEOUS FITTINGS	10,500	POUND	\$	\$
20	WATER SERVICE CONNECTION, SHORT SIDE, 1-INCH	60	EACH	\$	\$
21	WATER SERVICE CONNECTION, LONG SIDE, 1-INCH	68	EACH	\$	\$
22	WATER SERVICE CONNECTION, SHORT SIDE, 1.5-INCH	5	EACH	\$	\$
23	WATER SERVICE CONNECTION, LONG SIDE, 1.5-INCH	5	EACH	\$	\$
24	PRIVATE PROPERTY WATER SERVICE LINE COORDINATION	97	EACH	\$	\$
25	CUSTOMER WATER SERVICE REPLACEMENT OPTION - FROM CURB STOP TO WATER METER	81	EACH	\$ 6,200	\$ 502,200
26	WATER SERVICE CASING PIPE	980	FOOT	\$	\$

SCHEDULE OF UNIT PRICES					
NO.	PAY ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
27	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 4-INCH	3	EACH	\$	\$
28	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 6-INCH	30	EACH	\$	\$
29	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 8-INCH	10	EACH	\$	\$
30	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 10-INCH	6	EACH	\$	\$
31	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 12-INCH	2	EACH	\$	\$
32	GATE VALVE, 4-INCH	2	EACH	\$	\$
33	GATE VALVE, 6-INCH	4	EACH	\$	\$
34	GATE VALVE, 8-INCH	36	EACH	\$	\$
35	GATE VALVE, 10-INCH	29	EACH	\$	\$
36	GATE VALVE, 12-INCH	2	EACH	\$	\$
37	VALVE BOX	6	EACH	\$	\$
38	VALVE VAULT, 4-FOOT DIAMETER	37	EACH	\$	\$
39	VALVE VAULT, 5-FOOT DIAMETER	28	EACH	\$	\$
40	VALVE VAULT (ADDITIONAL DEPTH), 4-FOOT DIAMETER	7	VFT	\$	\$
41	VALVE VAULT (ADDITIONAL DEPTH), 5-FOOT DIAMETER	5	VFT	\$	\$
42	FIRE HYDRANT	31	EACH	\$	\$
43	FIRE HYDRANT BARREL EXTENSION	10	VFT	\$	\$
44	LINE STOP, 4-INCH	4	EACH	\$	\$
45	LINE STOP, 6-INCH	5	EACH	\$	\$
46	LINE STOP, 8-INCH	2	EACH	\$	\$
47	LINE STOP, 10-INCH	1	EACH	\$	\$
48	LINE STOP, 12-INCH	2	EACH	\$	\$
49	ABANDONMENT OF EXISTING WATER MAINS AND APPURTENANCES	1	LSUM	\$	\$
50	RETIRE EXISTING FIRE HYDRANT	32	EACH	\$	\$
51	FILLING OF EXISTING PIPE FOR ABANDONMENT	1,965	FOOT	\$	\$
52	SANITARY SEWER REMOVAL AND REPLACEMENT, 8-INCH	37	FOOT	\$	\$
53	SANITARY SEWER REMOVAL AND REPLACEMENT, 10-INCH	106	FOOT	\$	\$
54	SANITARY SEWER REMOVAL AND REPLACEMENT, 12-INCH	127	FOOT	\$	\$
55	STORM SEWER REMOVAL AND REPLACEMENT, 10-INCH	42	FOOT	\$	\$
56	STORM SEWER REMOVAL AND REPLACEMENT, 12-INCH	642	FOOT	\$	\$

SCHEDULE OF UNIT PRICES					
NO.	PAY ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
57	STORM SEWER REMOVAL AND REPLACEMENT, 18-INCH	22	FOOT	\$	\$
58	STORM SEWER (OPEN CUT), 24-INCH RCP, 12 TO 16 FEET DEEP	78	FOOT	\$	\$
59	STORM SEWER MANHOLE, TYPE A, 5' DIA., 12 TO 16 FEET DEEP	2	EACH	\$	\$
60	REMOVE AND REPLACE CATCH BASIN, TYPE A, 4' DIA.	2	EACH	\$	\$
61	REMOVE AND REPLACE INLET, TYPE A, 2' DIA.	1	EACH	\$	\$
62	INLET PROTECTION FILTER	115	EACH	\$	\$
63	RESTORATION OF LAWNS AND PARKWAYS	3,000	SQYD	\$	\$
64	MULCH LANDSCAPE RESTORATION	90	SQYD	\$	\$
65	TEMPORARY HOT-MIX ASPHALT PAVEMENT	4,300	SQYD	\$	\$
66	CLASS C PATCH (SPECIAL), 10-INCH PCC 2-INCH HMA SURFACE	300	SQYD	\$	\$
67	CLASS D PATCH, 12-INCH BINDER	4,000	SQYD	\$	\$
68	CLASS D PATCH (SPECIAL), 10-INCH BINDER 2-INCH SURFACE	850	SQYD	\$	\$
69	HMA DRIVEWAY REMOVAL AND REPLACEMENT, 3-INCH	200	SQYD	\$	\$
70	PCC DRIVEWAY REMOVAL AND REPLACEMENT, 6-INCH	150	SQYD	\$	\$
71	PCC SIDEWALK REMOVAL AND REPLACEMENT	10,350	SQFT	\$	\$
72	DETECTABLE WARNINGS	310	SQFT	\$	\$
73	PCC CURB AND GUTTER REMOVAL AND REPLACEMENT	1,210	FOOT	\$	\$
74	PAVEMENT MARKING - LINE, 4-INCH (THERMOPLASTIC)	1,600	FOOT	\$	\$
75	PAVEMENT MARKING - LINE, 6-INCH (THERMOPLASTIC)	1,070	FOOT	\$	\$
76	PAVEMENT MARKING - LINE, 12-INCH (THERMOPLASTIC)	10,350	FOOT	\$	\$
77	PAVEMENT MARKING - LINE, 24-INCH (THERMOPLASTIC)	1,750	FOOT	\$	\$
78	PAVEMENT MARKING - LETTERS AND SYMBOLS	750	SQFT	\$	\$
79	RAISED REFLECTIVE PAVEMENT MARKER	5	EACH	\$	\$
80	TEMPORARY TRAFFIC SIGNAL TIMING	5	EACH	\$	\$
81	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	5	EACH	\$	\$
82	TEMPORARY INFORMATION SIGNING	134	SQFT	\$	\$

SCHEDULE OF UNIT PRICES					
NO.	PAY ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
83	DETECTOR LOOP REPLACEMENT, TYPE 1	350	FOOT	\$	\$
84	REMOVAL AND REPLACEMENT OF SIGNS	18	EACH	\$	\$
85	FENCE TO BE REMOVED AND RE-ERECTED	50	FOOT	\$	\$
86	SANITARY SERVICE LINE RELOCATION	49	EACH	\$	\$
87	TREE ROOT PRUNING	142	EACH	\$	\$
88	TREE PROTECTION (TEMPORARY FENCING)	17,400	FOOT	\$	\$
89	EXPLORATORY EXCAVATION	1	EACH	\$	\$
90	REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL	129	CUYD	\$	\$
91	SOIL TESTS FOR CONTAMINANTS	18	EACH	\$	\$
92	CONTAMINATED WASTE DISPOSAL	193	TON	\$	\$
TOTAL AMOUNT OF BASE BID:				\$	

Bidder submits the following Schedule of Alternate Unit Prices for the Greenbriar Court Water Main work. Bidder agrees that the contract will be awarded on the basis of the Base Bid without consideration of alternates. The Village reserves the right to include alternates in the Contract in any order or combination.

SCHEDULE OF UNIT PRICES					
NO.	PAY ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
ALTERNATE #1: GREENBRIAR COURT WATER MAIN					
1	MOBILIZATION	1	LSUM	\$	\$
2	GRANULAR BACKFILL	580	CUYD	\$	\$
3	WATER MAIN (OPEN CUT), 6-INCH	14	FOOT	\$	\$
4	WATER MAIN (OPEN CUT), 8-INCH	628	FOOT	\$	\$
5	CASING PIPE (OPEN CUT), 16-INCH	27	FOOT	\$	\$
6	MISCELLANEOUS FITTINGS	500	POUND	\$	\$
7	WATER SERVICE CONNECTION, SHORT SIDE, 1-INCH	11	EACH	\$	\$
8	WATER SERVICE CONNECTION TO EXISTING SERVICE LINE, 1-INCH (ALTERNATE 1)	4	EACH	\$	\$
9	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 6-INCH	2	EACH	\$	\$
10	GATE VALVE, 8-INCH	2	EACH	\$	\$
11	VALVE VAULT, 4-FOOT DIAMETER	2	EACH	\$	\$
12	FIRE HYDRANT	2	EACH	\$	\$
13	LINE STOP, 6-INCH	1	EACH	\$	\$
14	INLET PROTECTION FILTER	5	EACH	\$	\$

SCHEDULE OF UNIT PRICES					
NO.	PAY ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
15	RESTORATION OF LAWNS AND PARKWAYS	300	SQYD	\$	\$
16	CLASS D PATCH (SPECIAL), 2.5-INCH BINDER 1.5-INCH SURFACE	590	SQYD	\$	\$
17	PCC DRIVEWAY REMOVAL AND REPLACEMENT, 6-INCH	10	SQYD	\$	\$
18	PCC SIDEWALK REMOVAL AND REPLACEMENT	625	SQFT	\$	\$
19	PCC CURB AND GUTTER REMOVAL AND REPLACEMENT	120	FOOT	\$	\$
20	REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL	11	CUYD	\$	\$
21	SOIL TESTS FOR CONTAMINANTS	2	EACH	\$	\$
22	CONTAMINATED WASTE DISPOSAL	17	TON	\$	\$
TOTAL AMOUNT OF ALTERNATE #1:				\$	

Initial

Date

**VILLAGE OF ARLINGTON HEIGHTS,
ILLINOIS
EUCLID AVENUE WATER MAIN
IMPROVEMENTS
PROJECT MANUAL**

Baxter & Woodman, Inc.
Illinois
815.459.1260

Wisconsin
262.763.7834

Florida
561.655.6175

Texas
281.350.7027

PROJECT TITLE PAGE
00 01 01 (ARLHT 2401308.00)

00 01 07

SEALS PAGE

February 28, 2025

1. Specifications of materials and labor required for the construction work shown on the Drawings are prepared by Baxter & Woodman, Inc., Consulting Engineers.
2. The Drawings which accompany these Specifications are titled "Village of Arlington Heights, Illinois, Euclid Avenue Water Main Improvements".
3. Copyright 2025 by Baxter & Woodman, Inc. All Rights Reserved. No part of these Specifications or the accompanying Drawing(s) may be reproduced by any means, or otherwise reused without the prior written permission of Baxter & Woodman, Inc.



Project Manager
License Expires 11/30/25

BAXTER & WOODMAN, INC.
STATE OF ILLINOIS – PROFESSIONAL DESIGN FIRM
LICENSE NO. 184.001121-0014 - EXPIRES 4/30/2025

SEALS PAGE

00 01 07-1 (ARLHT 2401308.00)

**VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
EUCLID AVENUE WATER MAIN IMPROVEMENTS
PROJECT MANUAL**

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00 31 24.53

CLEAN CONSTRUCTION OR DEMOLITION DEBRIS (CCDD) - LPC 663

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section provides verification from a professional engineer that the soils within the work area do not contain contaminants in concentrations that pose a threat to human safety and the environment.

1.2 CERTIFICATION

- A. Attached to this specification is a copy of IEPA form LPC-663, signed by the registered engineer for use by the contractor.

END OF SECTION

CLEAN CONSTRUCTION OR DEMOLITION DEBRIS (CCDD) – LPC 663
00 31 24.53-1 (ARLHT 2401308.00)



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as
amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: Euclid Water Main Improvements Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

Euclid Ave from Rt. 14 to Scottsdale Ln

City: Arlington Heights State: IL Zip Code: 60004

County: Cook Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.08825 Longitude: - 87.97261

(Decimal Degrees)

(-Decimal Degrees)

Identify how the lat/long data were determined:

☐ GPS ☒ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): _____ Approximate End Date (mm/dd/yyyy): _____

Estimated Volume of debris (cu. Yd.): _____

II. Owner/Operator Information for Source Site

Site Owner

Name: Village of Arlington Heights

Street Address: 222 North Ridge Avenue

PO Box: _____

City: Arlington Heights State: IL

Zip Code: 60005 Phone: _____

Contact: Scott Schweda

Email, if available: _____

Site Operator

Name: Village of Arlington Heights

Street Address: 222 North Ridge Avenue

PO Box: _____

City: Arlington Heights State: IL

Zip Code: 60005 Phone: _____

Contact: Scott Schweda

Email, if available: _____

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Uncontaminated Soil Certification**III. Basis for Certification and Attachments**

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a);

Based on laboratory analytical data evaluated for this project, soil borings SB-1 through SB-20 are considered to be uncontaminated and were located at appropriate intervals within the project site. See the attached map of advanced soil borings. Soil from the waste water treatment plant is not included in the project scope.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610];

See the attached map of advanced soil borings and laboratory analytical report for this project

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Don Palmer (name of licensed professional engineer or geologist)
certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Baxter & Woodman, INC

Street Address: 8678 Ridgefield Road

City: Crystal Lake State: IL Zip Code: 60014

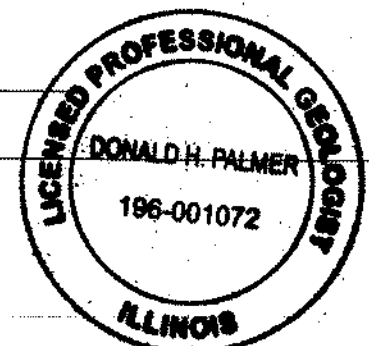
Phone: 815-459-1260

Don Palmer

Printed Name:


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

1/21/25
Date:



P.E or L.P.G. Seal:

00 31 32.13

SUBSURFACE DRILLING AND SAMPLING INFORMATION

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section describes soils investigation at the site, and use of data resulting from that investigation.

1.2 SOILS INVESTIGATION REPORT

A. General:

1. A soils investigation report has been prepared for the site of this Work by Soil and Material Consultants, Inc., dated December 24, 2024.
2. Appendix A contains copies of boring logs for eleven (11) soil borings drilled at the locations as indicated on the attached drawings.
3. Copies of the soils investigation report may be obtained from the Engineers, Baxter & Woodman, Inc., upon request.
4. Pavement cores have been obtained by Baxter & Woodman, Inc. for the site. Results of the investigation are provided below.

Core #	Location	Pavement Thickness
B-2	Euclid Ave, between Chestnut & Walnut	11" HMA, 5" AGG.
B-4	Arlington Heights Rd & Euclid Ave	13" HMA, 7" AGG.
B-5	Belmont Ave & Euclid Ave	12" HMA, 3" AGG.
B-6	Highland Ave & Euclid Ave	13" HMA, 6" AGG.
B-7	Euclid Ave, between Dryden & Derbyshire	11" HMA, 9" AGG.
B-10(a)	Euclid Ave & Forrest Ave	10" HMA, 10" AGG.
B-10(b)	Haddow Ave, north of Euclid Ave	10.5" HMA, 7.5" AGG.



SUBSURFACE DRILLING AND SAMPLING INFORMATION

00 31 32.13-1 (ARLHT 2401308.00)

- B. Use of data:
1. The soil investigation report was obtained only for the Engineer's use in design and is not a part of the Contract Documents.
 2. The geotechnical data is included for Bidders' information and represents only the subsurface conditions at the exact location of each boring, but is not a warranty of subsurface conditions. Interpretation of geotechnical data is the responsibility of the Bidders.
 3. Bidders should visit the site and acquaint themselves with existing conditions.
 4. Prior to bidding, Bidders may make their own subsurface investigations to satisfy themselves as to site and subsurface conditions, but such investigations may be performed only under time schedules and arrangements approved in advance by the Engineer.
 5. The technical data in the above report, upon which the Contractor may rely, consists of boring methods, level of subsurface water, boring logs, laboratory test methods and results, and boring locations all as of the date made.
 6. Engineer accepts no responsibility for accuracy of the soil data or water level information. Soil information, included with these Contract Documents, was not obtained for the purposes of designing excavations and trenches. Soil information was used by Engineer for design purposes only. Contractor shall assure itself by personal examination as to subsurface conditions and shall provide its own investigations and make its own assumptions to comply with OSHA and any other applicable laws and regulations regarding excavation and trenching requirements.

END OF SUBSURFACE DRILLING AND SAMPLING INFORMATION



SMC

**LOCATION
SKETCH**

**SOIL AND MATERIAL
CONSULTANTS, INC.**

Client: **BAXTER & WOODMAN, INC.**

Project: **2025 WATER MAIN REPLACEMENT**

Location: **ARLINGTON HEIGHTS, ILLINOIS**

File No. **28377** Date: **12-19-24** Scale: **NONE**

SOIL BORING LOG B-1

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

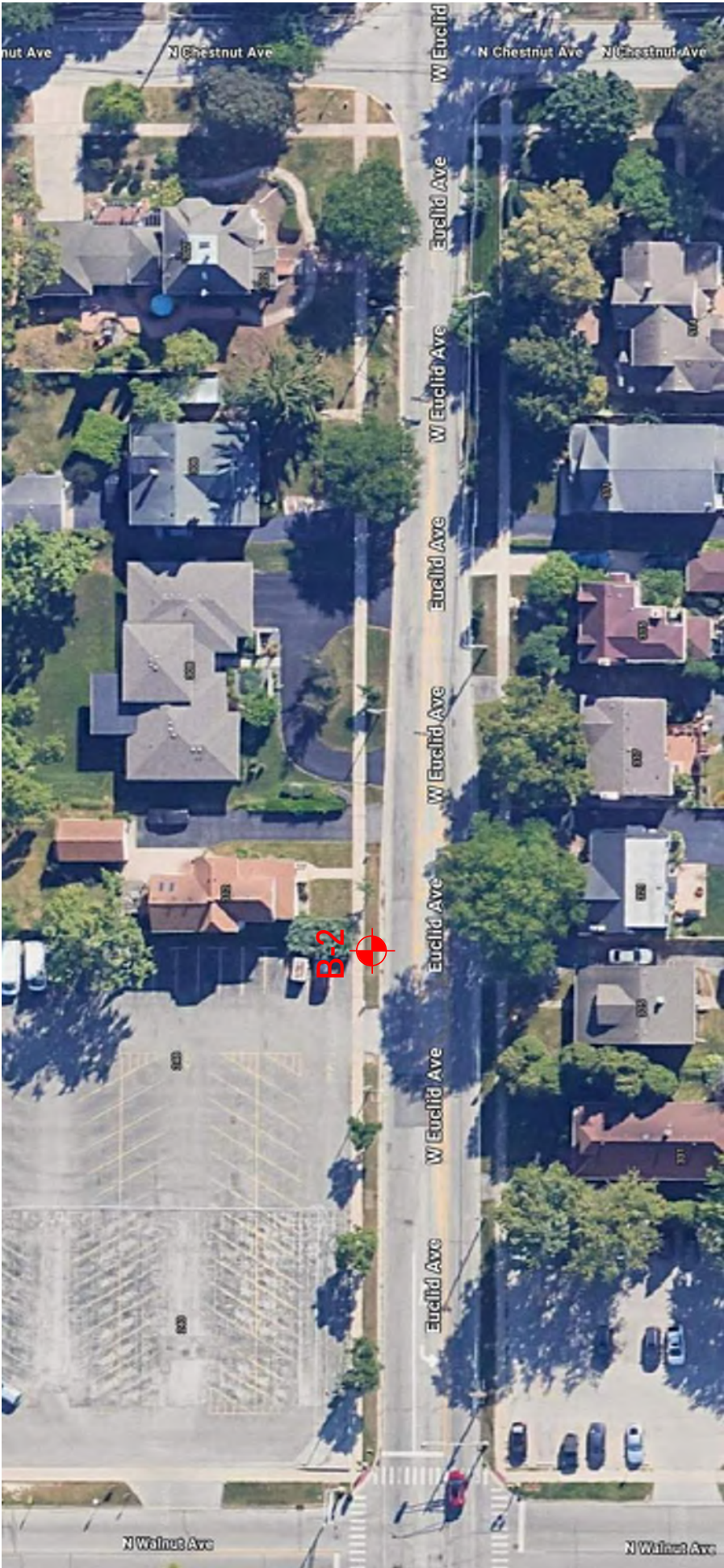
Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					X standard penetration "N", blows/ft. Δ moisture content, %			
	Elevation Existing Surface					10	20	30	40
	Wood Chips								
1	Black silt, some clay, trace sand, roots & gravel, damp, very loose - Fill 								
2									
3		3	29.4			X		Δ	
4									
5	Dark brown-dark gray to brown-gray clay, some silt, trace sand & gravel, damp, very tough to hard	6	27.8	96.9	1.5	X	○	●	Δ
6									
7									
8		12	23.9	110.7	2.7		X	Δ	●
9									
10									
16	End of Boring	16	18.0	121.9	3.6		X	Δ	○

Water encountered at 1.0 feet during drilling operations (W.D.)
Water recorded at 1.0 feet on completion of drilling operations (A.D.)
Water recorded at 1.0 feet 24 hours after completion of drilling operations (A.D.)



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	BAXTER & WOODMAN, INC.		
Project:	2025 WATER MAIN REPLACEMENT		
Location:	ARLINGTON HEIGHTS, ILLINOIS		
File No.	28377	Date: 12-19-24	Scale: NONE

SOIL BORING LOG B-2

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

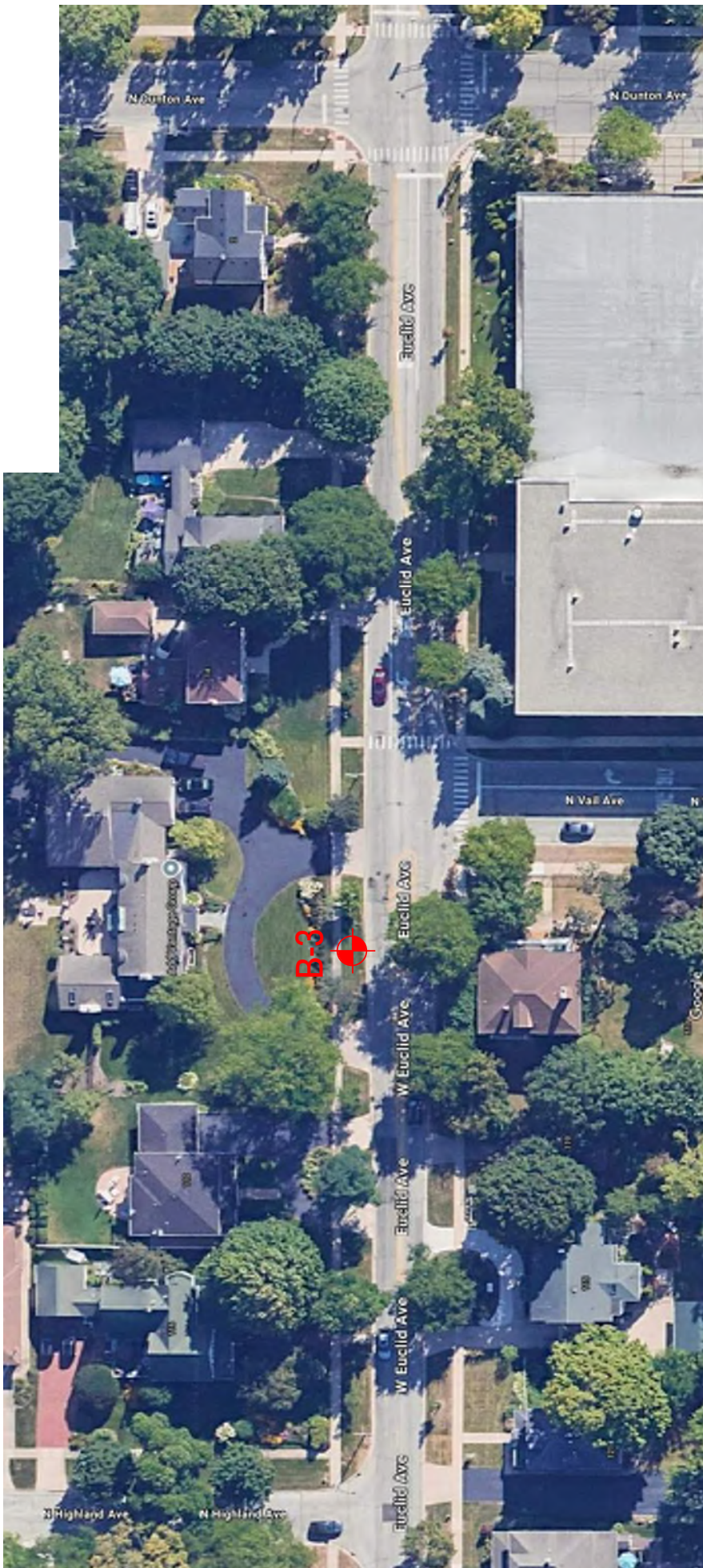
Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× standard penetration "N", blows/ft. △ moisture content, %			
	Elevation Existing Surface					10	20	30	40
1	Black silt, some clay, trace sand & roots, damp (topsoil)		35.0						
2	Brown-gray to brown clay, some silt, trace sand & gravel, damp, very tough to hard	8	25.7	93.3	2.3	×	△		
3									
4									
5		11	8.7	122.5	2.3	△	×	○	●
6									
7									
8		11	16.1	120.4	3.5	×	△	○	●
9									
10	End of Boring	18	18.8	109.9	5.0		×		○

Water encountered at **dry** feet during drilling operations (W.D.)
 Water recorded at **dry** feet on completion of drilling operations (A.D.)
 Dry cave-in at **6.5** feet **24** hours after completion of drilling operations (A.D.)



SMC	SOIL AND MATERIAL CONSULTANTS, INC.		LOCATION SKETCH
	Client:		
	Project:		
	Location:		
	File No.	28377	
		BAXTER & WOODMAN, INC.	
		2025 WATER MAIN REPLACEMENT	
		ARLINGTON HEIGHTS, ILLINOIS	

SOIL BORING LOG B-3

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit w lbs./cu.ft. γ	unconfine compress ○	1.0 2.0 3.0 4.0				
	CLASSIFICATION					× standard penetration "N", blows/ft. △ moisture content, %				
						Elevation	Existing Surface	10	20	30
1	Black silt, some clay, trace sand, roots & gravel, damp, loose - Fill	6	31.7							
2										
3										
4	Brown-gray clay, some silt, trace sand, damp, very tough	7	20.4	108.4	2.8	×		△		
5										
6										
7	Brown-gray clay, some silt, trace sand, damp, tough	6	27.2	95.3	1.6	×	●	△		
8										
9										
10	Brown clay, some silt, trace sand & gravel, damp, hard	20	17.4	114.8	6.9					
End of Boring							△	×		6.9 ○

Water encountered at **dry** feet during drilling operations (W.D.)
 Water recorded at **dry** feet on completion of drilling operations (A.D.)
 Wet cave-in at **7.5** feet **24** hours after completion of drilling operations (A.D.)



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	BAXTER & WOODMAN, INC.		
Project:	2025 WATER MAIN REPLACEMENT		
Location:	ARLINGTON HEIGHTS, ILLINOIS		
File No.	28377	Date: 12-19-24	Scale: NONE

SOIL BORING LOG B-4

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

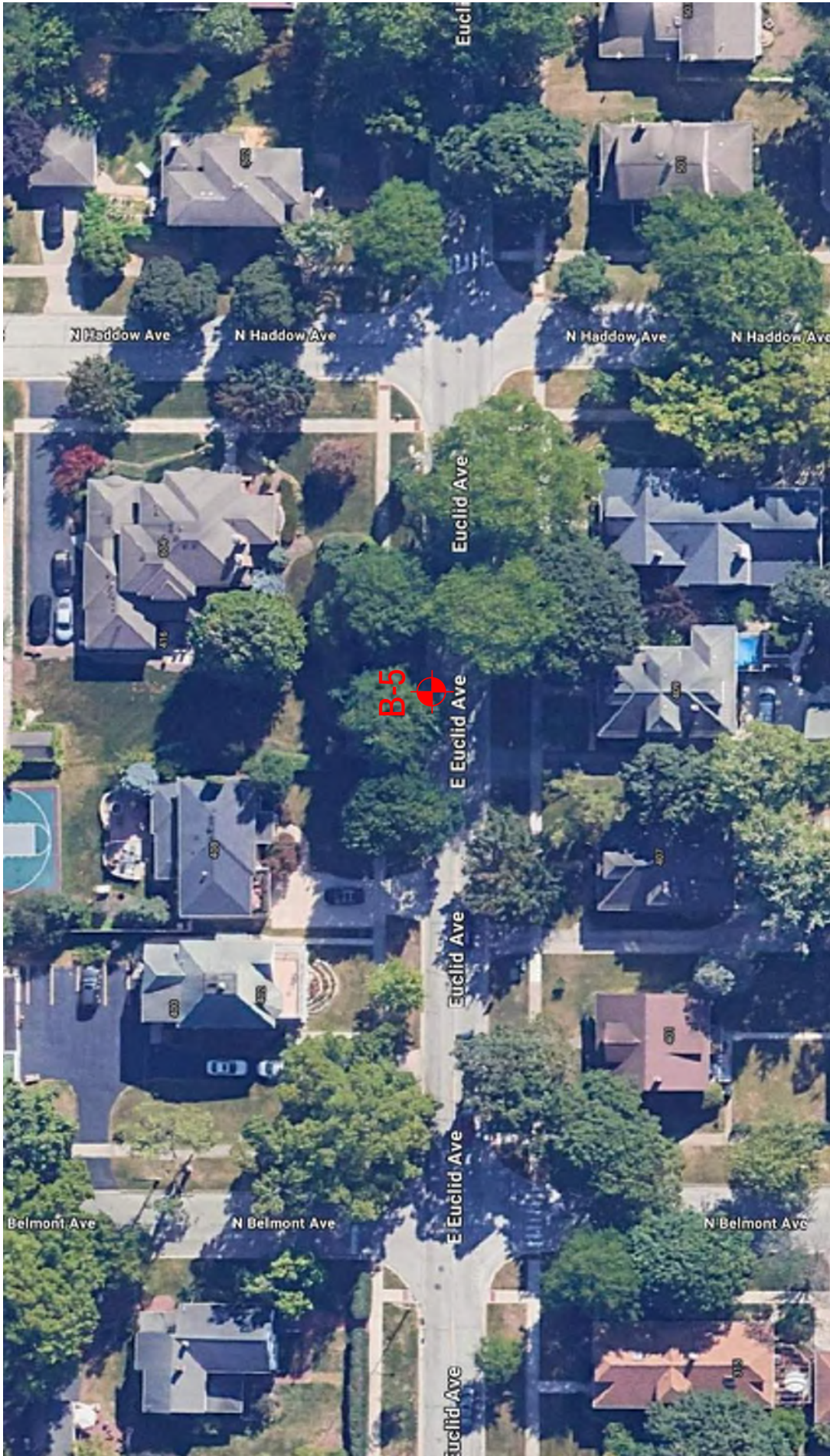
Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× standard penetration "N", blows/ft. △ moisture content, %			
	Elevation Existing Surface					10	20	30	40
	Bituminous concrete - 8.0"								
1	Sand & Gravel - Fill								
2	Brown clay, some silt, trace sand & gravel, damp, hard								
3		11	17.3	116.2	5.4	×	△		5.4 ○
4									
5		16	16.5	116.7	4.8		×		4.8 ○
6									
7	Brown silt, some clay, trace sand, damp, loose to medium dense								
8		7	19.3			×		△	
9									
10									
	End of Boring	15	15.2				×		

Water encountered at dry feet during drilling operations (W.D.)
Water recorded at dry feet on completion of drilling operations (A.D.)
Water recorded at feet hours after completion of drilling operations (A.D.)



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	BAXTER & WOODMAN, INC.		
Project:	2025 WATER MAIN REPLACEMENT		
Location:	ARLINGTON HEIGHTS, ILLINOIS		
File No.	28377	Date: 12-19-24	Scale: NONE

SOIL BORING LOG B-5

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

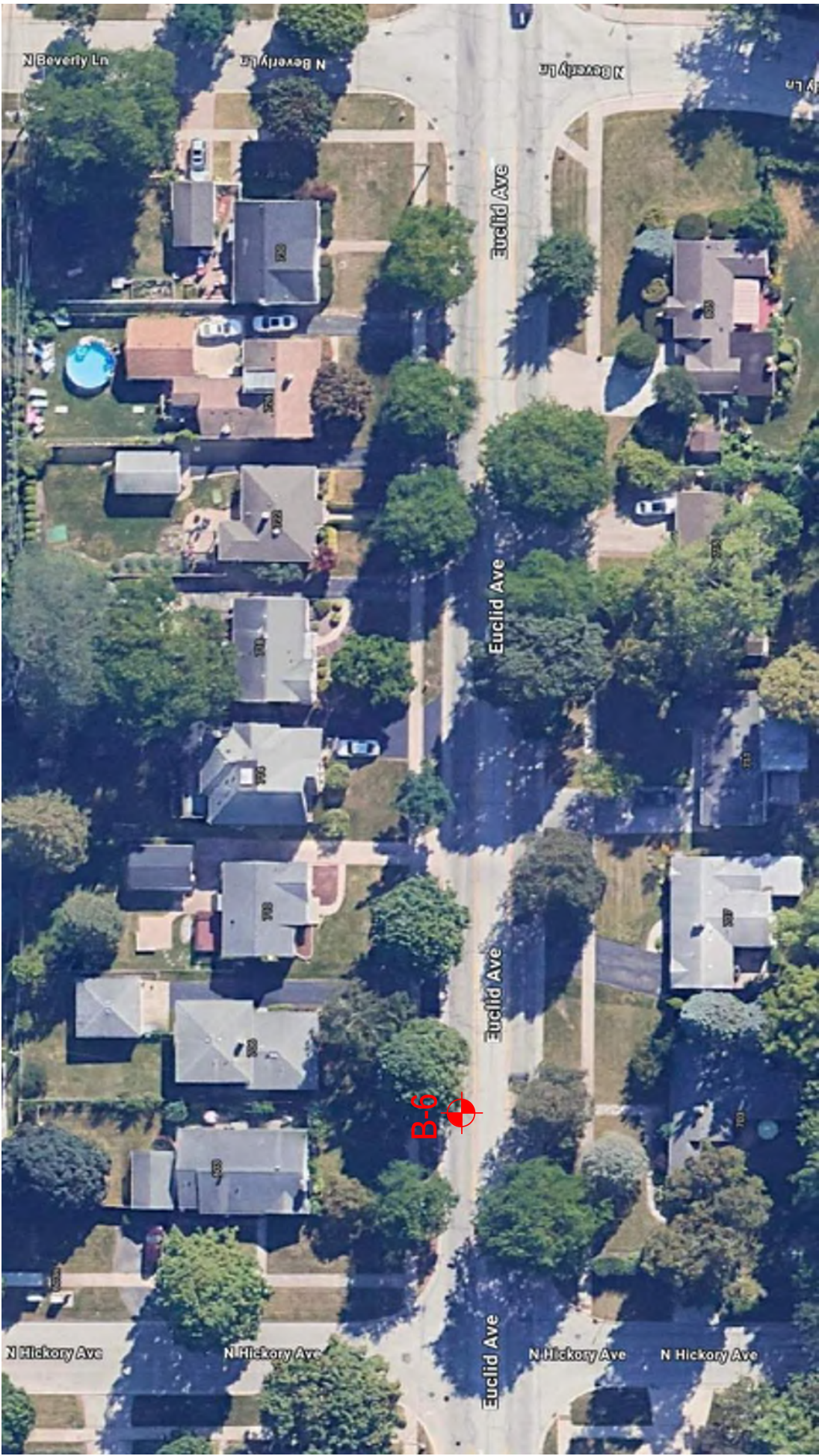
depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× △ standard penetration "N", blows/ft. moisture content, % 10 20 30 40			
	Elevation Existing Surface								
	Bituminous concrete								
	Crushed gravel - Fill								
1									
	Brown-gray clay, some silt, trace sand & gravel, damp, very tough								
2									
	Brown silt, some clay, trace sand & gravel damp, medium dense	6	19.2	115.3	2.0	×	△	●	
3									
4									
5		12	14.5				×	△	
6	Brown silt, trace clay & sand, very damp, medium-dense								
7									
8		10	20.5				×	△	
9									
	Brown silt, some clay & sand, damp, medium-dense								
10		22	17.7					△	×

End of Boring

Water encountered at
Water recorded at
Water recorded at

dry
dry

feet during drilling operations (W.D.)
feet on completion of drilling operations (A.D.)
feet hours after completion of drilling operations (A.D.)



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	BAXTER & WOODMAN, INC.		
Project:	2025 WATER MAIN REPLACEMENT		
Location:	ARLINGTON HEIGHTS, ILLINOIS		
File No.	28377	Date: 12-19-24	Scale: NONE

SOIL BORING LOG B-6

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					X standard penetration "N", blows/ft. Δ moisture content, % 10 20 30 40			
	Elevation Existing Surface								
	Bituminous concrete - 8.0"								
1	Crushed limestone								
2	Black silt, some clay, trace sand, damp (topsoil)	21	39.4					X	Δ
3	Brown-gray clay, some silt, trace sand, damp								
			20.5					Δ	
4	Brown-gray fine sand & silt, damp, loose								
5		6	15.3			X	Δ		
6	Brown clay & silt, trace sand & gravel, damp, very tough								
7									
8	Brown clay, some silt, trace sand & gravel, damp, hard	11	17.9	117.7	2.6	X	Δ	●	
9	Gray clay, some silt, trace sand & gravel, damp, very tough		18.1	118.2	4.1		Δ		○
10		12	22.9	104.3	3.7	X	Δ	●	○

End of Boring

Water encountered at
Water recorded at
Water recorded at

dry
dry

feet during drilling operations (W.D.)
feet on completion of drilling operations (A.D.)
feet hours after completion of drilling operations (A.D.)



SMC	SOIL AND MATERIAL CONSULTANTS, INC.		LOCATION SKETCH
	Client:	BAXTER & WOODMAN, INC.	
	Project:	2025 WATER MAIN REPLACEMENT	
	Location:	ARLINGTON HEIGHTS, ILLINOIS	
File No. 28377		Date: 12-19-24	Scale: NONE



Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	
CLASSIFICATION	
Elevation	Existing Surface
	Bituminous Concrete - 8.0"
1	Crushed limestone
2	Brown-gray clay, some silt, trace sand, damp, tough
3	Brown-gray silt, some fine sand, damp, loose
4	Brown fine sand, trace silt, very damp, loose
5	Gray silt, some fine sand, very damp, medium dense
6	
7	
8	
9	
10	

End of Boring

Water encountered at _____
 Water recorded at _____
 Water recorded at _____

dry
dry

feet during drilling operations (W.D.)
feet on completion of drilling operations (A.D.)
feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG B-7

Page: 1 of 1

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement Arlington Heights, Illinois		standard penetration	moisture content	dry unit weight lbs./cu.ft.	unconfined compressive strength	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other					× standard penetration "N", blows/ft. △ moisture content, %			
	CLASSIFICATION								
	Elevation Existing Surface	×	△	⌘	○	10	20	30	40
	Bituminous Concrete - 8.0"	17	24.6	108.1	1.9				
1	Crushed limestone								
2									
3	Brown-gray clay, some silt, trace sand, damp, tough	5	18.6				×	△	
4	Brown-gray silt, some fine sand, damp, loose								
5									
6	Brown fine sand, trace silt, very damp, loose	7	16.8				×	△	
7									
8									
9	Gray silt, some fine sand, very damp, medium dense	12	15.6						
10									



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	BAXTER & WOODMAN, INC.		
Project:	2025 WATER MAIN REPLACEMENT		
Location:	ARLINGTON HEIGHTS, ILLINOIS		
File No.	28377	Date: 12-19-24	Scale: NONE

SOIL BORING LOG B-8

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× standard penetration "N", blows/ft. △ moisture content, %			
	Elevation Existing Surface					10	20	30	40
1	Black silt, some clay, trace sand & roots, damp (topsoil)		24.7					△	
2	Brown silt, some clay, trace fine sand, damp, very loose								
3		3	32.6			×		△	
4									
5	Brown fine sand, some medium-coarse sand & gravel, damp, loose	9	10.9			×	△		
6									
7									
8		9	9.8			×	△		
9	Brown fine sand & gravel, some medium-coarse sand, damp, medium dense								
10									
11									
12									
13	End of Boring	13	8.0			△	×		

Water encountered at **dry** feet during drilling operations (W.D.)
Water recorded at **dry** feet on completion of drilling operations (A.D.)
Dry cave-in at **9.0** feet **24** hours after completion of drilling operations (A.D.)



SMC

SOIL AND MATERIAL
CONSULTANTS, INC.

LOCATION
SKETCH

Client:

BAXTER & WOODMAN, INC.

Project:

2025 WATER MAIN REPLACEMENT

Location:

ARLINGTON HEIGHTS, ILLINOIS

File No.

28377

Date:

12-19-24

Scale:

NONE

SOIL BORING LOG B-9

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× △ standard penetration "N", blows/ft. moisture content, %			
	Elevation Existing Surface					10	20	30	40
1	Black-dark brown silt, some clay, trace sand, roots & gravel, damp, very loose - Fill	2	25.2						
2									
3									
4	Brown-gray clay, some silt, trace sand, damp, tough	7	27.5	95.5	1.4				
5									
6									
7	Brown-gray silt, some clay & fine sand, very damp, loose	4	22.9						
8									
9									
10	Brown-gray silt, trace fine sand, damp, medium dense	13	18.7						

End of Boring

Water encountered at
Water recorded at
Water recorded at

dry feet during drilling operations (W.D.)
dry feet on completion of drilling operations (A.D.)
8.0 feet 24 hours after completion of drilling operations (A.D.)



SMC

SOIL AND MATERIAL
CONSULTANTS, INC.

LOCATION
SKETCH

Client:

BAXTER & WOODMAN, INC.

Project:

2025 WATER MAIN REPLACEMENT

Location:

ARLINGTON HEIGHTS, ILLINOIS

File No.

28377

Date:

12-19-24

Scale: NONE

SOIL BORING LOG B-10

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× standard penetration "N", blows/ft. △ moisture content, %			
	Elevation Existing Surface					10	20	30	40
1	Black-dark brown silt, some clay, trace sand, roots & gravel, damp (topsoil) - Fill		26.7					△	
2	Brown silt, some clay, trace sand, damp, loose to medium dense	8	19.6			×	△		
3									
4									
5		10	20.7			×	△		
6	Brown silt & fine sand, damp, loose								
7									
8	Gray silt, some clay, trace sand, damp, medium dense	8	17.7			×	△		
9									
10	Brown fine sand & gravel, some medium-coarse sand, damp, medium dense		15.2				△		
	End of Boring	18	8.7			△	×		

Water encountered at **dry** feet during drilling operations (W.D.)
Water recorded at **dry** feet on completion of drilling operations (A.D.)
Dry cave-in at **9.0** feet **24** hours after completion of drilling operations (A.D.)



SMC	SOIL AND MATERIAL CONSULTANTS, INC.		LOCATION SKETCH
	Client:	BAXTER & WOODMAN, INC.	
	Project:	2025 WATER MAIN REPLACEMENT	
	Location:	ARLINGTON HEIGHTS, ILLINOIS	
File No. 28377		Date: 12-19-24	Scale: NONE

SOIL BORING LOG B-11

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× △ standard penetration "N", blows/ft. moisture content, %			
	Elevation Existing Surface					10	20	30	40
1	Black silt, some clay, trace sand, gravel & roots, damp (topsoil) - Fill (small seam of crushed limestone @ 1.5')		20.5				△		
2	Brown-gray clay, some silt, trace sand & gravel, damp, tough	5	27.3	95.1	1.6	×	●	△	
3									
4	Gray-brown silt, some clay, trace fine sand & root matter, damp, loose	4	22.1			×		△	
5									
6	Gray silt, trace clay, fine sand & root matter, very damp, loose								
7									
8	▽	6	20.3			×		△	
9									
10	Gray fine sand, saturated, loose	8	24.1			×		△	

End of Boring

Water encountered at 9.0 feet during drilling operations (W.D.)
 Water recorded at 9.0 feet on completion of drilling operations (A.D.)
 Water recorded at 7.5 feet 24 hours after completion of drilling operations (A.D.)

GENERAL NOTES

SAMPLE CLASSIFICATION

Soil sample classification is based on the Unified Soil Classification System, the Standard Practice for Description and Identification Soils (Visual-Manual Procedure), ASTM D-2488, the Standard Test Method for Classification of Soils for Engineering Purposes, ASTM D-2487 (when applicable), and the modifiers noted below.

CONSISTENCY OF COHESIVE SOILS

Term	Qu-tons/sq.ft.	N (unreliable)
Very soft	0.00 – 0.25	0 – 2
Soft	0.26 – 0.49	3 – 4
Stiff	0.50 – 0.99	5 – 8
Tough	1.00 – 1.99	9 – 15
Very Tough	2.00 – 3.99	16 – 30
Hard	4.00 – 7.99	30 +
Very Hard	8.00 +	

RELATIVE DENSITY OF GRANULAR SOILS

Term	N – blows/foot
Very Loose	0 – 4
Loose	5 – 9
Medium Dense	10 – 29
Dense	30 – 49
Very Dense	50 +

IDENTIFICATION AND TERMINOLOGY

Term	Size Range
Boulder	over 8 in.
Cobble	3 in. to 8 in.
Gravel - coarse	1 in. to 3 in.
- medium	3/8 in. to 1 in.
- fine	#4 sieve to 3/8 in.
Sand - coarse	#10 sieve to #4 sieve
- medium	#40 sieve to #10 sieve
- fine	#200 sieve to #40 sieve
Silt	0.002 mm to #200 sieve
Clay	smaller than 0.002mm
Modifying Term	Percent by Weight
Trace	1 – 10
Little	11 – 20
Some	21 – 35
And	36 – 50

Moisture Content

Dry
Damp
Very Damp
Saturated

DRILLING, SAMPLING & SOIL PROPERTY SYMBOLS

CF	- Continuous Flight Auger
HS	- Hollow Stem Auger
HA	- Hand Auger
RD	- Rotary Drilling
AX	- Rock Core, 1-3/16 in. diameter
BX	- Rock Core, 1-5/8 in. diameter
NX	- Rock Core, 2-1/8 in. diameter
S	- Sample Number
T	- Type of Sample
J	- Jar
AS	- Auger Sample
SS	- Split Spoon (2 in. O.D. with 1-3/8 in. I.D.)
ST	- Shelby Tube (2 in. O.D. with 1-7/8 in. I. D.)
R	- Recovery Length, in.
B	- Blows/6 in. interval, Standard Penetration Test (SPT)
N	- Blows/foot to drive 2 in. O.D. split-spoon sampler with 140 lb. hammer falling 30 in., (STP)
Pen.	- Pocket Penetrometer readings, tons/sq.ft.
W	- Water Content, % dry weight
Uw	- Dry Unit Weight of soil, lbs./cu.ft.
Qu	- Unconfined Compressive Strength, tons/sq.ft.
Str	- % Strain at Qu.
WL	- Water Level
WD	- While Drilling
AD	- After Drilling
DCI	- Dry Cave-in.
WCI	- Wet Cave-in.
LL	- Liquid Limit, %
PL	- Plastic Limit, %
PI	- Plasticity Index (LL-PL)
LI	- Liquidity Index [(W-PL)/PI]

SECTION 01 22 29

MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. Payment will be made for the Pay Items listed herein and at the Contract Unit Prices unless otherwise indicated.
- B. Work for which a Pay Item is not listed will be considered incidental to the Contract and no additional compensation will be allowed.
- C. The Owner reserves the right to alter the Drawings, modify incidental work as may be necessary, and increase or decrease quantities of work to be performed including deduction or cancellation of any one or more of the Pay Items.
- D. Quantities necessary to complete the work as shown on the Drawings or as specified herein govern over those shown in the Bid Form. The Engineer will make corrections and interpretations as may be deemed necessary for fulfillment of the intent of the Contract Documents.
- E. The Engineer will make measurements and determinations as necessary to classify the work within Pay Items and determine the quantities for payment.
- F. If the Contractor's Application for Payment is not in accordance with the Engineer's determination of quantities for payment, the Application will be returned for correction and resubmittal.

1.2 MOBILIZATION

- A. Description:
 - 1. The work of this Pay Item consists of preparatory work and operations necessary for the movement of personnel, equipment, supplies, and incidentals to the work site; the establishment of facilities necessary for work on the Project; bonds, work trailers, initial insurance, engineering design, layout, fencing; and all other work or operations which must be performed or costs incurred when beginning work on the Project.
- B. Basis of Payment:
 - 1. The work will be paid for at the Contract Lump Sum Price for MOBILIZATION in accordance with the following schedule:
 - a. 10 percent - after execution of the Agreement.
 - b. 40 percent - when 5 percent or more of the original Contract Price is earned.

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- c. 60 percent - when 10 percent or more of the original Contract Price is earned.
 - d. 100 percent - when 25 percent or more of the original Contract Price is earned.
2. The amount of this Pay Item will be limited to ten (10) percent of the total Contract Price. Should the bid for this Pay Item exceed ten (10) percent, the amount over ten (10) percent will not be paid until the contract is finalized.

1.3 PRECONSTRUCTION VIDEO RECORDING

- A. Description:
- 1. The work of this Pay Item consists of video recording at the construction areas prior to start of construction.
 - 2. This Pay Item includes providing separate video and photographs of highway rights-of-way, prior to construction, at locations where pipelines are installed parallel to or across highways and the highway authorities require this documentation as a condition of the permit.
 - 3. This Pay item includes providing video in digital disk format if required by Owner or permitting agency.
- B. Basis of Payment:
- 1. The work will be paid for at the Contract Lump Sum Price for PRECONSTRUCTION VIDEO RECORDING.

1.4 TRAFFIC CONTROL AND PROTECTION (SPECIAL)

- A. Description:
- 1. The work of this item consists of furnishing, installing, relocating, and maintaining traffic control devices for temporary control of vehicular and pedestrian traffic during construction. Use forms of traffic control on public roadways required by the construction operations in accordance with the "Manual on Uniform Traffic Control Devices for Streets and Highways", the IDOT "Standard Specifications", and the "Highway Standards". The following work items are associated with and shall be considered incidental to, this work:
 - a. Furnish, install, maintain, relocate, and remove traffic control devices.
 - b. Furnish and use temporary flaggers.
 - c. Furnish, place, and remove devices utilized for detours and construction safety.
 - d. Provide plans and schedules for detour and construction signage at Pre-construction Meeting for review and approval by Owner.
 - e. Provide and maintain temporary pavement markings (TAPE) until placement of final pavement markings.
 - f. Remove temporary pavement markings (TAPE) prior to installation of bituminous binder or surface courses.

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- B. Measurement:
 - 1. This work will be measured as a lump sum, paid as a direct percentage of total project completion.
- C. Basis of Payment:
 - 1. This work will be paid for at the Contract Lump Sum Price for TRAFFIC CONTROL AND PROTECTION (SPECIAL).

1.5 GRANULAR BACKFILL

- A. Description:
 - 1. The work of this Pay Item consists of backfilling with compacted granular materials complete in place, for the total width of the excavation, including removal and disposal of excavated materials; providing, installing and removing temporary aggregate pavement material; and compacting remaining temporary aggregate pavement material as aggregate base course.
 - 2. The Contractor shall maintain trenches flush with existing surfaces until permanent patches are installed or roadway excavation has begun. No additional compensation will be provided to the Contractor for trench maintenance.
- B. Measurement:
 - 1. The work will be measured in place and the volume calculated in cubic yards. The height of measurement will be from 12 inches over the top of pipe to the top of the existing pavement as specified on the trench detail on the plans. CA-6 material shall be used in the top 18 inches of the trench. The top of the trench backfill will be the temporary aggregate pavement surface until a final pavement restoration can be constructed. The width of measurement for the trench will be based on a maximum payable width consisting of the pipe outside diameter (O.D.) plus 18-inches on each side of the pipe. The length will be measured along the centerline of the pipe and for installations under pavements, to 2 feet past the edge of pavement.
- C. Basis of Payment:
 - 1. The work will be paid for at the Contract Unit Price per cubic yard for GRANULAR BACKFILL.

1.6 TRENCH BACKFILL (SPECIAL)

- A. Description:
 - 1. This work shall conform to Section 208 of the "Standard Specifications". This item shall consist of furnishing, placing, compacting and transporting fine aggregate gradation FA-6 and coarse aggregate CA-6 as noted below for backfilling material for all trenches made within IDOT or Cook County right-of-way, and as directed by the Engineer. All compaction shall be not less than 95 percent optimum, modified proctor. The material shall conform

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to Article 1004.5. This item also includes the disposal of the surplus excavated material which is replaced by trench backfill. Such disposal shall be made in accordance with Article 202.03 of the "Standard Specifications".

2. The Contractor shall maintain trenches flush with existing surfaces until permanent patches are installed or roadway excavation has begun. No additional compensation will be provided to the Contractor for trench maintenance.

B. Measurement:

1. The work will be measured in place and the volume calculated in cubic yards. The height of measurement will be from 12 inches over the top of pipe to the top of the existing pavement as specified on the trench detail on the plans. CA-6 material shall be used in the top 18 inches of the trench. The top of the trench backfill will be the temporary aggregate pavement surface until a final pavement restoration can be constructed. The width of measurement for the trench will be based on a maximum payable width consisting of the pipe outside diameter (O.D.) plus 18-inches on each side of the pipe. The length will be measured along the centerline of the pipe and for installations under pavements, to 2 feet past the edge of pavement.

C. Basis of Payment:

1. The work will be paid for at the Contract Unit Price per cubic yard for TRENCH BACKFILL (SPECIAL).

1.7 WATER MAIN (OPEN CUT)

A. Description:

1. The work of this Pay Item consists of water main pipe complete in place, including sawcutting, and removal and disposal of existing pavements; excavation; removal and disposal of waste excavated materials; protection, replacement, or repair of utilities; trench dewatering, including erosion and sedimentation control methods and devices to provide protection to environment from all pumping operations; installation of pipe; bracing; bedding and covering of pipe; testing; disinfection, finish grading; but not including backfilling with granular backfill materials.
2. Trench backfilling and compaction of granular backfill materials under pavement will be paid under the Pay Item GRANULAR BACKFILL.
3. This Pay Item includes all restrained joint type (R.J.T.) fittings complete in place as shown on the Drawings. Additional fittings not shown on the Drawings shall be paid for as MISCELLANEOUS FITTINGS.
4. This Pay Item includes the pipe within casing installed by open cut.
5. Installing new mains in excess of 6 feet of cover in order to cross existing mains, provide for future improvements or cross below sewer lines is considered incidental to the installation of the water main, and no addition to the contract will be allowed.
6. This Pay Item includes the installation of trench insulation where the water main is installed with less than 4 feet of cover.

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7. This Pay Item includes tree tunneling at locations indicated on the Drawings and as directed by the Engineer.
8. This Pay Item includes polyethylene wrapping of all ductile iron pipe, fittings, and fire hydrants.
9. This Pay Item includes installation of two tracer wires on all PVC and HDPE pipe and at termination points on hydrants and in valve vaults.
10. Removal and replacement of material, including unsuitable material, to a depth of one foot below the bottom of the pipe barrel is considered incidental to construction and no addition to the contract will be allowed.
11. Overexcavation, and removal and replacement of unsuitable materials with CA 1 greater than one foot below the bottom of the pipe barrel will be paid for in a separate Pay Item.

B. Measurement:

1. The work will be measured in lineal feet along the centerline of the pipe.
2. The measurement will go through fittings and valves.

C. Basis of Payment:

1. The work will be paid for at the Contract Unit Price per lineal foot for WATER MAIN (OPEN CUT) of the pipe sizes and material, regardless of depth.

1.8 WATER MAIN (DIRECTIONALLY DRILLED)

A. Description:

1. The work of this Pay Item consist of installing high density polyethylene pipe (HDPE) or PVC pipe complete in place by directional drilling methods; including providing insertion and receiving pits, tightsheeting where required to protect adjacent utilities, roadways and property, or to provide protection to the public; leaving tightsheeting in place if indicated on the Drawings; protection, repair or replacement of utilities; traffic control; fencing of work site to provide protection to public; excavation; removal and disposal of waste excavated materials; bracing; dewatering, including erosion and sedimentation control methods and devices to provide protection to environment from all pumping operations; providing and installing casing and carrier pipe; end seals; testing; backfilling with and compaction of excavated materials at pits, or granular backfill materials if indicated on the Drawings; cleanup; and finish grading.
2. This work shall include the cost of potholing of existing utilities. Additional excavation in locations where the Owner-located utility or sewer service pipe is more than 3 feet beyond the actual location of the service shall be paid for under EXPLORATORY EXCAVATION.

B. Measurement:

1. The work will be measured in lineal feet along the centerline of the pipe, and will begin and end at the transition to open cut water main pipe.
2. Length of pipe can be measured with the Engineer prior to insertion, and totaled to arrive at total pay length.

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C. Basis of Payment:

1. The work will be paid for at the Contract Unit Price per lineal foot for WATER MAIN (DIRECTIONALLY DRILLED) of the pipe sizes and material, regardless of depth.

1.9 CASING PIPE (OPEN CUT)

A. Description:

1. The work of this Pay Item consists of installing steel, ductile iron or PVC casing pipes for sewer pipes, force mains, or water mains to meet water and sewer separation requirements, complete in place by open cut method, including sawcutting, and removal and disposal of existing pavements; excavation; removal and disposal of waste excavated materials; protection, repair or replacement of utilities; trench dewatering, including erosion and sedimentation control methods and devices to provide protection to environment from all pumping operations; installation of casing; installation and support of carrier pipe within casing; sandfilling of void between casing and carrier pipes if noted on Drawings; end seals; backfilling with compacted excavated materials; but not including backfilling with granular backfill materials.
2. This Pay Item does not include providing or testing the pipe within the casing pipe, which is paid for under separate Pay Items.

B. Measurement:

1. The work will be measured in lineal feet for the length of the casing pipe.

C. Basis of Payment:

1. The work will be paid for at the Contract Unit Price per lineal foot for CASING PIPE (OPEN CUT).

1.10 MISCELLANEOUS FITTINGS

A. Description:

1. The work of this Pay Item consists of any additional fittings not shown on the plans necessary to alter or adjust the water main as directed by the Engineer. All fittings shown on the plans shall be incidental to the cost per lineal foot of WATER MAIN (OPEN CUT) or WATER MAIN (DIRECTIONALLY DRILLED). Any fitting indicated on the plans which is deleted will be credited against any claim for payment under MISCELLANEOUS FITTINGS, pound for pound. The Owner shall not in any case request a net credit under this provision.

B. Basis of Payment:

1. The work will be paid for at the Contract Unit Price per pound for MISCELLANEOUS FITTINGS.

1.11 WATER SERVICE CONNECTION

A. Description:

1. The work of this Pay Item consists of connecting water service lines to the water mains complete in place, including service saddles; corporation stops; curb stops; service boxes; all required fittings, and including backfilling with granular backfill materials at pavement locations.
2. This Pay Item includes connecting to the curb stop within meter pits, where meter pits are encountered.
3. All long side water services shall be installed by trenchless methods (unless directed otherwise by the Engineer), such as horizontal directional drilling or moling.
4. Short side water services shall be installed by open cut method.
5. The maximum allowed trench width for water service installation is 4 feet.
6. Root prune trees when working within their critical root zones. This will be paid under TREE ROOT PRUNING.
7. All new water services shall maintain 10-foot horizontal separation from existing sanitary service lines and 6-foot horizontal separation from all trees.
8. This work shall include the cost of potholing of existing utilities for directionally drilled services. Additional excavation in locations where the Owner-located utility or sewer service pipe is more than 3 feet beyond the actual location of the service shall be paid for under EXPLORATORY EXCAVATION.
9. For ALTERNATE 1 – GREENBRIAR COURT, all long services will connect the existing service line directly to the new corporation stop and will not include installation of new service line, curb stops, or curb boxes. Short side water services will include new service line, curb stops, and curb boxes.

B. Basis of Payment:

1. The work will be paid for at the Contract Unit Price for each WATER SERVICE CONNECTION of the service pipe sizes, and the item noted.

1.12 PRIVATE PROPERTY WATER SERVICE LINE COORDINATION

A. Description:

1. The work of this Pay Item shall include supervision work associated with coordinating and performing the water service installation at a given property. This item is only applicable to existing water service lines made of lead or galvanized requiring replacement. This work will include contacting the property owner, meeting with the property owner to layout the installation; obtaining property owner signature on Village access agreement form or on IDPH Waiver form if the property owner declines work; delivering Village provided educational materials and notices; providing Village with sketch of proposed and as-built installation; obtaining permits; scheduling the work; flushing; documentation; coordination with plumbing inspector; any follow-up meetings to explain the installation and

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all other required project management work to complete the water service line replacement work. No additional compensation will be allowed for the management and coordination of replacing lead or galvanized requiring replacement water service lines.

2. The work of this Pay Item shall include taking photographs or video at each property prior to the start of construction work to document the pre-existing conditions.
3. The work of this Pay Item shall include providing each property with a lead water service line or galvanized requiring replacement with a water filter pitcher and 6-months of filter cartridges, certified by an American National Standards Institute accredited certifier to reduce lead, at the time water service is returned to the property, regardless of a property owner's participation in the replacement of their lead or galvanized requiring replacement service line on private property.
4. The work of this Pay Item includes Contractor pulling a permit for each property that requires a lead water service line be replaced from the curb stop to the water meter. Contractor is responsible for using the Village's Online Permitting process through the Civic Access Portal, including registering with the Village and providing a Letter of Intent for each property. Permitting fee's will be waived for Work associated with lead water service line replacements.
5. The work of this Pay Item shall include all project management; coordination and contact with private property owners; required inspections; flushing; documentation and all other required work to complete the water service line replacement work.

B. Basis of Payment:

1. This work will be paid for at the Contract Unit Price per each PRIVATE PROPERTY WATER SERVICE LINE COORDINATION where the property has a lead or galvanized requiring replacement water service line. No additional compensation will be allowed.

1.13 CUSTOMER WATER SERVICE REPLACEMENT OPTION – CURB STOP TO WATER METER

A. Description:

1. The work of this Pay Item shall consist of providing all materials, labor, tools, equipment, and services required to install new water service lines originating at the curb stop and terminating inside buildings at the water meter, for all existing lead or galvanized requiring replacement water service lines, with water service line sizes determined by the Engineer, by horizontal directional drilling method and open cut method, including locating existing water and sewer services; excavation; bracing; bedding and covering of pipe; trench dewatering; trench backfilling with excavated materials; connecting to the existing private water service on the interior of the home at the water meter; testing; disinfection; documentation; finish grading; lawn and landscaping restoration; interior restoration; cap and abandon the existing water service line in place; removal and disposal of

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waste excavated materials; protection, and replacement or repair of utilities.

2. This Pay Item includes coring through foundation walls and sealing of annular space around pipe; all piping and plumbing modifications inside the building, including water meter relocation and new valve(s); connecting the water service to the existing indoor plumbing of the building and to the curb stop.
 3. The work of this Pay Item shall include all labor, equipment and materials required to excavate and crimp or cap existing water service in order to complete interior water service connection at locations approved by Engineer where both the curb stop and interior shut-off are broken or where curb stop cannot be located.
 4. Removal and replacement of all hardscape items including the driveway and sidewalks to install the new private copper water service line will be paid for separately under this Contract. Prior to the removal of hardscape items, Contractor must receive approval from Engineer for the proposed location of the new water service line. If approval is not received, replacement of hardscape items shall be considered incidental to the cost of this Pay Item.
 5. All work for this Pay Item shall be completed by a State of Illinois Licensed Contractor with a State of Illinois Licensed Plumber on-site. This Pay item includes the labor cost of an Illinois Licensed Plumber.
 6. In the event that the existing service is grounded to the existing water meter, provisions must be made by a licensed electrician and is considered incidental to the cost of construction.
 7. Property Owner Preference:
 - a. If property owner agrees to the private property replacement, replace water service from the water main to the water meter. (Paid under Pay Items 1.11, 1.12, and 1.13)
 - b. If property owner refuses the private property replacement or is unresponsive, only replace water service from the water main to the curb stop. (Paid under Pay Item 1.11 and 1.12 – Contractor not paid for Pay Item 1.13)
- B. Basis of Payment:
1. The work to be paid includes all required inspections; the cost for the materials, horizontal directional drilling or moling; excavation, coring through the foundation and sealing of annular space around pipe; reconnection to the water service pipe and curb stop; all piping and plumbing modifications inside the building, including water meter relocation and new valve(s); trench backfill material and placement, coordination for private property access, private property restoration to the original condition, pavement removal and replacement, documentation, and all required work to complete in place the CUSTOMER WATER SERVICE PIPE REPLACEMENT OPTION – FROM CURB STOP TO WATER METER.

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2. The work will be measured and paid for at the Contract Unit Price for each CUSTOMER WATER SERVICE PIPE REPLACEMENT OPTION – FROM CURB STOP TO WATER METER regardless of size and service length.

1.14 WATER SERVICE CASING PIPE

A. Description:

1. The work of this Pay Item consists of installing casing pipes for water service pipes to meet water and sewer separation requirements, complete in place by open cut method, including sawcutting, and removal and disposal of existing pavements; excavation; removal and disposal of waste excavated materials; protection, repair or replacement of utilities; trench dewatering, including erosion and sedimentation control methods and devices to provide protection to environment from all pumping operations; installation of casing; installation and support of carrier pipe within casing; end seals; backfilling with compacted excavated materials; but not including backfilling with granular backfill materials.

B. Measurement:

1. The work will be measured in lineal feet for the length of the casing pipe.

C. Basis of Payment:

1. The work will be paid for at the Contract Unit Price per lineal foot for WATER SERVICE CASING PIPE, of the size indicated.

1.15 CONNECT TO WATER MAIN (NON-PRESSURE)

A. Description:

1. The work of this Pay Item consists of connecting to existing water mains, including removal of existing plugs; cutting and removing existing mains; thrust blocking; excavation; bracing; bedding and covering of pipe; trench dewatering; trench backfilling with excavated materials; testing; disinfection; finish grading; removal and disposal of waste excavated materials; and protection, replacement, or repair of utilities.
2. This Pay Item does not include backfilling with compacted granular backfill materials, which shall be paid for as GRANULAR BACKFILL or TRENCH BACKFILL (SPECIAL) based on the length of open cut pipe.
3. This Pay Item includes installation and removal of temporary thrust blocking and temporary plugs and coordination of shutdown of main with Owner and Engineer during final connection.

B. Basis of Payment:

1. The work will be paid for at the Contract Unit Price for each CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) of the pipe sizes.

1.16 GATE VALVE

- A. Description:
 - 1. The work of this Pay Item consists of gate valves complete in place, but not including fire hydrant auxiliary valves or tapping valves.
- B. Basis of Payment:
 - 1. The work will be paid for at the Contract Unit Price for each GATE VALVE of the valve sizes.

1.17 VALVE BOX

- A. Description:
 - 1. The work of this Pay Item consists of the installation of valve boxes complete in place as outlined in the technical specifications and on plan details, including polyethylene wrapping of valve box; valve box stabilizer; but not including fire hydrant auxiliary valves.
- B. Basis of Payment:
 - 1. The work will be paid for at the contract Unit Price for each VALVE BOX.

1.18 VALVE VAULT

- A. Description:
 - 1. The work of this Pay Item consists of the installation of valve vaults during open cut water main installation complete in place as outlined in the technical specifications and on plan details, including sawcutting, removal and disposal of existing pavements; excavation in excess of that required for standard pipeline trench construction; removal and disposal of waste excavated materials; bracing, sheeting, and shoring; protection, replacement, or repair of utilities; dewatering, including erosion and sedimentation control methods and devices to provide protection to the environment from all pumping operations; vault bedding; monolithic type vault base with watertight flexible pipe connectors where pipes enter vault wall; manhole risers as required to provide proper depth; concentric cone or flat top cover; frame and cover adjusting rings; frame and cover; steps; frame and cover adjustment to final grade at time of street or parkway restoration; backfilling with compacted excavated materials in parkways; but not including backfilling with compacted granular materials under pavements.
 - 2. Provide eccentric cones only on vaults utilized for tapping of existing mains, or when indicated on the Drawings.
 - 3. This Pay Item includes providing vaults of sufficient depth to provide the standard depth of cover indicated on the drawings, plus two feet, measured from the top of the water main to the top of the frame and cover. If depth of cover is 5 feet, vaults to a depth of 7 feet from top to main to top of frame and cover will be installed with no addition to the contract allowed. Where

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deeper vaults are installed, the cost for additional manhole risers required will be paid for in a separate Pay Item.

4. This Pay Item including providing and installing bolt-down watertight frame and cover on all valve vaults.
5. This Pay Item includes providing exterior joint protection on all valve vaults.
6. This Pay Item includes providing a sump in vault base as indicated on the detail.

B. Basis of Payment:

1. The work will be paid for at the Contract Unit Price for each VALVE VAULT, of the size indicated.

1.19 VALVE VAULT (ADDITIONAL DEPTH)

A. Description:

1. The work of this Pay Item consists of providing additional manhole risers for water valve vaults where the depth of cover is over the standard depth described in the pay item for VALVE VAULTS.
2. Depth of a standard valve vault is stated as within two vertical feet of the water main depth of cover, measured from top of main to top of cover, in other words, if standard depth of water main is indicated as 6 feet, a vault measuring 8 feet from top of main to top of frame and cover is a standard vault and no additional compensation will be allowed.

1.20 FIRE HYDRANT

A. Description:

1. The work of this Pay Item consists of fire hydrants complete in place, including excavation; bracing; bedding and covering of pipe; 5 lineal feet of 6-inch connecting pipe; auxiliary gate valve and valve box; thrust blocking; hydrant barrel drain washed stone pocket; support; trenching dewatering; trench backfilling with excavated materials; testing; disinfection; finish grading; removal and disposal of waste excavated materials; protection, replacement, or repair of utilities; but not including backfilling with granular backfill materials where connecting pipe is below pavement.
2. This Pay Item includes polyethylene wrapping of connecting pipe, auxiliary valve, and hydrant.
3. This Pay Item includes providing a fire hydrant of sufficient height to position the hydrant nozzles and break-away flange to the elevations indicated in the technical specifications and plan detail. Contractor will determine the proper "bury" height based on water main size and depth of bury.
4. Where depth of water main is required to be greater than standard bury depth, fire hydrant extensions will be paid for in a separate Pay Item.

B. Basis of Payment:

1. The work will be paid for at the Contract Unit Price for each FIRE HYDRANT.

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1.21 FIRE HYDRANT BARREL EXTENSION

- A. Description:
 - 1. The work of this Pay Item consists of providing barrel extensions for fire hydrants when existing or future final grade conditions result in the water main being deeper than the specified depth of bury, including determining the appropriate extension height and extension necessary, and installation of extension.
- B. Measurement:
 - 1. The work will be measured in vertical foot of extension, determined by the amount added to the fire hydrant bury dimensions outlined in Pay Item FIRE HYDRANT.
 - 2. Extensions utilized to obtain the proper amount "bury" on fire hydrants when the water main is not deeper than the specified depth of bury will not be paid for.
- C. Basis of Payment:
 - 1. The work will be paid for at the Contract Unit Price for vertical foot of FIRE HYDRANT BARREL EXTENSION, to the nearest foot.

1.22 LINE STOP

- A. Description:
 - 1. The work of this Pay Item consists of the installation of a line stop in an existing water main complete, including locating of existing main; sawcutting, and removal and disposal of existing pavements; excavation; removal and disposal of waste excavated materials; protection, repair, or replacement of existing utilities; dewatering, including erosion and sedimentation control methods and devices to provide protection to the environment from all pumping operations; sheeting; shoring; tapping of pipe to install temporary line stop bladder; installation of line stop; and temporary fencing, barricades, and other items needed to provide traffic control and protection and to protect excavation while new valve is being installed.
 - 2. The work of this Pay Item includes removal of the line stop bladder, and capping of the tapping valve once new main valve is in place; but not including surface restoration; nor backfilling with compacted granular materials under pavements.
- B. Basis of Payment:
 - 1. The work will be paid for at the Contract Unit Price for each LINE STOP, of the size indicated.

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1.23 ABANDONMENT OF EXISTING WATER MAINS AND APPURTENANCES

A. Description:

1. The work of this Pay Item consists of the abandonment of existing water main, valves, and vaults after the new main is in service; including excavation, removal of valve, box top sections, and valve vault cone sections; protection, replacement, or repair of utilities; removal and disposal of waste excavated materials; cutting of mains; installation of plugs or caps; installation of concrete thrusts blocks; and backfilling of all excavations with granular backfill materials or compacted excavated materials.
2. This Pay Item does not include the abandonment of fire hydrants, which shall be paid for under RETIRE EXISTING FIRE HYDRANT.
3. Valve boxes are to be delivered to the Owner's Public Works Department; but vaults are to be disposed of offsite.
4. Installation of concrete plugs in abandoned water mains or crimping of water services at the edge of the trench area is considered incidental to the installation of the new water main.
5. Removal and disposal of existing water main that must be removed in order to install the new water main or services is considered incidental to construction.

B. Basis of Payment:

1. The work will be paid for at the Contract Lump Sum Price for ABANDONMENT OF EXISTING WATER MAINS AND APPURTENANCES, of the type and location noted.

1.24 RETIRE EXISTING FIRE HYDRANT

A. Description:

1. The work of this Pay Item consists of the abandonment of existing fire hydrants after the new main is in service; including excavation, removal of fire hydrants; protection, replacement, or repair of utilities; removal and disposal of waste excavated materials; backfilling of all excavations with granular backfill materials or compacted excavated materials, and delivery of fire hydrants to the Owner's Public Works Department.
2. Fire hydrants, hydrant barrel section, and hydrant auxiliary boxes are to be delivered to the Owner's Public Works Department on 222 N Ridge Avenue, Arlington Heights, IL.

B. Basis of Payment:

1. The work will be paid for at the Contract Unit Price for each RETIRE EXISTING FIRE HYDRANT.

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1.25 FILLING OF EXISTING PIPE FOR ABANDONMENT

- A. Description:
 - 1. The work of this Pay Item shall be completed in accordance with Section 31 23 79 and shall consist of filling existing water main pipe within IDOT/Cook County right-of-way with Low Density Cellular Grout, including concrete brick and mortar plugs; temporary plugging of pipes and subsequent removal of temporary plugs; providing fill, vent, and drain holes in the concrete brick and mortar plugs; and all labor, equipment, and materials.
- B. Method of Measurement:
 - 1. The work will be measured in cubic yards of Low Density Cellular Grout used to fill the water main pipes.
 - 2. Measurement quantity for pipes will be the volume of pipe determined by the length of pipe from inside face of a structure or cut end to inside face of a structure or cut end, and the nominal inside diameter of the pipe.
- C. Basis of Payment:
 - 1. The work will be paid for at the Contract Unit Price per cubic yard for FILLING OF EXISTING PIPE FOR ABANDONMENT.

1.26 SANITARY SEWER REMOVAL AND REPLACEMENT

- A. Description:
 - 1. The work of this Pay Item consists of the removal and replacement of existing combined sewer or sanitary sewer with water main quality pipe, including sawcutting, and removal and disposal of existing pavement; protection, repair or replacement of utilities; excavation; removal and disposal of waste excavated material; trench dewatering, including erosion and sedimentation control; watertight connections to existing pipes or structures; installation of pipe; bracing, bedding and covering of pipe; cleanup; but not including backfilling with compacted granular materials under pavements.
- B. Measurement:
 - 1. The work will be measured in lineal feet along the centerline of the pipe.
- C. Basis of Payment:
 - 1. The work will be paid for at the Contract Unit Price per lineal foot for SANITARY SEWER REMOVAL AND REPLACEMENT, of the size and type indicated.

1.27 STORM SEWER REMOVAL AND REPLACEMENT

- A. Description:
 - 1. The work of this Pay Item consists of the removal and replacement of existing storm sewer with water main quality pipe, including sawcutting, and

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removal and disposal of existing pavement; protection, repair or replacement of utilities; excavation; removal and disposal of waste excavated material; trench dewatering, including erosion and sedimentation control; watertight connections to existing pipes or structures; installation of pipe; bracing, bedding and covering of pipe; cleanup; but not including backfilling with compacted granular materials under pavements.

B. Measurement:

1. The work will be measured in lineal feet along the centerline of the pipe.

C. Basis of Payment:

1. The work will be paid for at the Contract Unit Price per lineal foot for STORM SEWER REMOVAL AND REPLACEMENT, of the size and type indicated.

1.28 STORM SEWER (OPEN CUT)

A. Description:

1. The work of this Pay Item consists of sewer pipe complete in place, including sawcutting and removal and disposal of existing pavements; excavation; protection, replacement or repair of utilities; tight sheeting if required to protect existing property, pavement, or structures; removal and disposal of waste excavated materials and existing sewers; trench dewatering, including temporary erosion and sedimentation control methods and devices to protect environment from all pumping operations; installation of pipe; bracing, bedding and covering of pipe; trench backfilling and compaction of excavated materials; finish grading; but not including backfilling with granular backfill materials.
2. This Pay Item includes plugging of existing storm sewers indicated to be abandoned at trench or excavation limits.

B. Measurement:

1. The work will be measured in lineal feet along the centerline of the sewer. when the storm sewer enters a manhole, inlet or catch basin, measurement will end at the inside wall of the manhole, inlet or catch basin. Allowance will be made for the length of pipe necessary to permit the pipe to meet the sides of the manhole. No payment for storm sewer will be made through an inlet or manhole where the inlet or manhole is paid for as a separate item. When the storm sewer is continuous and the inlet or manhole is constructed of a base tee, the measurement will not include the base tee which is paid for separately.
2. Depth of cut is the distance from the original ground surface to the invert elevation of the sewer.

C. Basis of Payment:

1. The work will be paid for at the Contract Unit Price per lineal foot for STORM SEWER (OPEN CUT) of the pipe sizes, pipe material, and depth of cut range.

1.29 STORM MANHOLE

A. Description:

1. The work of this pay item consists of the installation of storm sewer manholes during open cut sewer installation complete in place, including sawcutting, removal and disposal of existing pavements, and excavation in excess of that required for standard trench construction; removal and disposal of waste excavated materials, bracing, sheeting, and shoring; protection, replacement, or repair of utilities; dewatering, including erosion and sedimentation control methods and devices to provide protection to the environment from all pumping operations; manhole bedding; manhole base; reducer cone if large diameter manholes are utilized; manhole risers; cone or flat top cover; concrete adjusting rings; frame and cover; steps; poured or pre-formed benches and inverts; backfilling with compacted excavated material, or granular material where manhole is located in pavement areas; and including frame and cover adjustment to final grade at time of street or parkway final restoration.

B. Measurement:

1. The depth of manholes will be measured from the invert of the outlet sewer to the top of the frame.

C. Basis of Payment:

1. The work will be paid for at the Contract Unit Price for each STORM MANHOLE of the size, type, and depth.

1.30 INLET PROTECTION FILTER

A. Description:

1. The work of this Pay Item consists of providing, installing and maintaining inlet protection filters; and removal of filters at the conclusion of the project.

B. Basis of Payment:

1. This work will be paid for at the Contract Unit Price per each INLET PROTECTION FILTER.

1.31 RESTORATION OF LAWNS AND PARKWAYS

A. Description:

1. The work of this Pay Item consists of complete surface restoration of lawns, parkways, and other grassed areas disturbed as a result of the construction, including topsoil, fertilizer, erosion control materials, sodding, and maintenance.

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- B. Measurement:
 - 1. Restoration of Lawns and Parkways will be measured in the field and computed in square yards.
 - 2. Areas damaged by or disturbed beyond the work area will be restored at no additional cost to Owner.
- C. Basis of Payment:
 - 1. The work will be paid for at the Contract Unit Price per square yard for RESTORATION OF LAWNS AND PARKWAYS.

1.32 MULCH LANDSCAPE RESTORATION

- A. Description:
 - 1. The work of this Pay Item consists of the installation of 4-6" inches of wood mulch in landscaped areas disturbed as a result of the construction.
- B. Measurement:
 - 1. The work will be measured in the field and computed in square yards.
 - 2. Areas damaged by or disturbed beyond the work area will be restored at no additional cost to Owner.
- C. Basis of Payment:
 - 1. The work will be paid for at the Contract Unit Price per square yard for MULCH LANDSCAPE RESTORATION.

1.33 TEMPORARY HOT-MIX ASPHALT PAVEMENT

- A. Description:
 - 1. The work of this Pay Item consists of temporary hot-mix asphalt pavement complete in place at pipelines, including subgrade preparation, for use during the period between backfilling the trench and constructing the permanent pavement.
- B. Measurement:
 - 1. The work will be measured in lineal feet along the centerline of the pipe and the quantity computed in square yards, with a maximum width of 6 feet used for payment calculations.
 - 2. The limits of the work area will be indicated on the Drawings and the areas measured in the field and calculated in square yards.
 - 3. Areas damaged due to Contractor's neglect or beyond the maximum pay width will not be measured for payment.
- C. Basis of Payment:
 - 1. This work will be paid for at the Contract Unit Price per square yard for TEMPORARY HOT-MIX ASPHALT PAVEMENT regardless of the depth of the pipeline.

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1.34 CLASS C PATCH (SPECIAL)

A. Description:

1. This work of this Pay Item consists of furnishing and placing a Class C patch as specified according to Section 442 of the IDOT "Standard Specifications", latest edition and these specifications.
2. Restoration shall consist of 10 inches of Portland Cement Concrete base and 2 inches of HMA surface course.

B. Measurement:

1. The work will be measured in place and the area computed in square yards.
 - a. The length will be measured along the centerline of the pipe.
 - b. All areas disturbed shall be restored, but the maximum allowable trench widths used for pay quantity calculations will be a maximum 6 feet wide centered on the pipe unless otherwise noted on the Drawings.

C. Basis of Payment:

1. This work will be paid for at the Contract Unit Price per square yard for CLASS C PATCH (SPECIAL), at the thickness indicated.

1.35 CLASS D PATCH

A. Description:

1. This work of this Pay Item consists of furnishing and placing a Class D patch as specified according to Section 442 of the IDOT "Standard Specifications", latest edition and these specifications.
2. Restoration shall consist of hot-mix asphalt binder course over the trenches on a prepared subgrade to the top of the existing surface at the thicknesses specified.

B. Measurement:

1. The work will be measured in place and the area computed in square yards.
 - a. The length will be measured along the centerline of the pipe.
 - b. All areas disturbed shall be restored, but the maximum allowable trench widths used for pay quantity calculations will be a maximum 6 feet wide centered on the pipe unless otherwise noted on the Drawings.

C. Basis of Payment:

1. This work will be paid for at the Contract Unit Price per square yard for CLASS D PATCH, at the thickness indicated.

1.36 CLASS D PATCH, SPECIAL

A. Description:

1. This work of this Pay Item consists of furnishing and placing a Class D patch, special as specified according to Section 442 of the IDOT "Standard Specifications", latest edition and these specifications.

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2. Restoration shall consist of hot-mix asphalt surface course and binder course over the trenches on a prepared subgrade to the top of the existing surface.
 - a. Base Bid: Install 10 inches of binder and 2 inches of surface course outside of Euclid Avenue right-of-way.
 - b. Alternate 1: Install 2 ½ inches of binder and 1 ½ inches of surface course on W Greenbriar Court and N Shenandoah Drive.
- B. Measurement:
 1. The work will be measured in place and the area computed in square yards.
 - a. The length will be measured along the centerline of the pipe.
 - b. All areas disturbed shall be restored, but the maximum allowable trench widths used for pay quantity calculations will be 6 feet centered on the pipe unless otherwise noted on the Drawings.
- C. Basis of Payment:
 1. This work will be paid for at the Contract Unit Price per square yard for CLASS D PATCH, SPECIAL at the thickness indicated.

1.37 HOT-MIX ASPHALT DRIVEWAY

- A. Description:
 1. The work of this Pay Item consists of constructing hot-mix asphalt driveway aprons to match current City standards. The following work items are associated with and shall be considered incidental to, this Pay Item:
 - a. All quality control testing in accordance with Article 1030.05(d).
 - b. Excavate and dispose of existing subgrade material to proposed subgrade elevation.
 - c. Prepare Subgrade.
 - d. Replace steel edging if applicable.
 - e. Install minimum 3" aggregate Base Course.
 - f. Install 1.5-inch hot-mix asphalt base for driveways.
 - g. Install Bituminous Materials (Prime Coat).
 - h. Place hot-mix asphalt Surface Course, (1.5-inch compacted depth).
 - i. Utilize driveway mix for Surface Course if so directed by Engineer.
- B. Measurement:
 1. Driveway removal and replacement will be measured in place prior to removal, and the area computed in square yards.
 2. Additional quantities of driveway, subbase, or subgrade removed due to neglect by the Contractor, as determined by the Engineer, will not be measured for payment.
- C. Basis of Payment:
 1. This work will be paid for at the Contract Unit Price per square yard for HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT, of the thickness indicated in the Specifications.

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1.38 PCC DRIVEWAY

A. Description:

1. The work of this Pay Item consists of constructing Portland Cement Concrete driveway and subgrade as directed by the Engineer. The following work items are associated with, and shall be considered incidental to, this Pay Item:
 - a. All quality control testing in accordance with Article 1020.09.
 - b. Excavate and dispose of existing subgrade material to proposed subgrade elevation.
 - c. Prepare Subgrade.
 - d. Replace steel edging if applicable.
 - e. Install minimum 3" aggregate Base Course.
 - f. Install 6 x 6-W4.0 x W4.0 welded wire fabric.
 - g. Install Portland Cement Concrete.
 - h. Apply Protective Coat.

B. Measurement:

1. Driveway removal will be measured in place prior to removal, and the area computed in square yards.
2. Additional quantities of driveway, subbase, or subgrade removed due to neglect by the Contractor, as determined by the Engineer, will not be measured for payment.

C. Basis of Payment:

1. This work will be paid for at the Contract Unit Price per square yard for PCC DRIVEWAY REMOVAL AND REPLACEMENT, of the thickness indicted in the Specifications.

1.39 BRICK DRIVEWAY REMOVAL AND REPLACEMENT

A. Description:

1. This work includes furnishing all materials, equipment and labor necessary to remove and install brick paver driveways. All brick paver driveways shall be placed on a six inch (6") thick sub-base aggregate material meeting Gradation CA-6, which shall be considered incidental to this item.
2. The Contractor shall make record of the existing layout and pattern prior to the removal of the driveway to ensure that the replaced driveway can be replaced to match the existing driveway prior to construction. All bricks shall be carefully salvaged and placed near the area from which they were taken. Any bricks damaged by the Contractor shall be replaced at the Contractor's expense with paving bricks that match the color and shape of the brick paving units of the existing driveway.

B. Measurement:

1. Driveway removal will be measured in place prior to removal, and the area computed in square yards.

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2. Additional quantities of driveway, subbase, or subgrade removed due to neglect by the Contractor, as determined by the Engineer, will not be measured for payment.

C. Basis of Payment:

1. This work will be paid for at the contract unit price per square yard for BRICK DRIVEWAY REMOVAL AND REPLACEMENT.

1.40 BRICK SIDEWALK REMOVAL AND REPLACEMENT

A. Description:

1. This work includes furnishing all materials, equipment and labor necessary to remove and install brick paver sidewalk. All brick paver sidewalk shall be placed on a four inch (4") thick sub-base aggregate material meeting Gradation CA-6, which shall be considered incidental to this item.
2. The Contractor shall make record of the existing layout and pattern prior to the removal of the sidewalk to ensure that the replaced sidewalk can be replaced to match the existing sidewalk prior to construction. All bricks shall be carefully salvaged and placed near the area from which they were taken. Any bricks damaged by the Contractor shall be replaced at the Contractor's expense with paving bricks that match the color and shape of the brick paving units of the existing sidewalk.

B. Basis of Payment:

1. This work will be paid for at the contract unit price per square foot for BRICK SIDEWALK REMOVAL AND REPLACEMENT, measured in place.

1.41 PCC SIDEWALK REMOVAL AND REPLACEMENT

A. Description:

1. The work of this Pay Item consists of constructing sidewalks to match existing. The following work items are associated with, and shall be considered incidental to this Pay Item:
2. Excavate and dispose of existing materials.
3. Install 2 inches of compacted Aggregate Base Course.
4. Form and pour Portland cement concrete sidewalk.
5. Remove forms and backfill areas adjacent to concrete sidewalk.
6. Apply protective coat.

B. Measurement:

1. Portland Cement Concrete Sidewalk will be measured in place, and the area computed in square feet, up to the limits indicated on the Drawings.

C. Basis of Payment:

1. This work will be paid for at the Contract Unit Price per square foot for PCC SIDEWALK REMOVAL AND REPLACEMENT of the material thicknesses indicated in Section 32 10 00.19.

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1.42 DETECTABLE WARNINGS

A. Description:

1. The work of this Pay Item includes constructing detectable warnings with cast-in-place detectable warnings comprised of 24" by 24" square cast iron plates. The panel shall comply with ADA requirements and span the full width of the ramp. The domes located on the plate shall be parallel to the pavement crosswalk with the closest corner at the back of curb. Installation shall be according to the manufacturer's recommendations.

B. Basis of Payment:

1. The work will be paid for at the Contract Unit price per square foot for DETECTABLE WARNINGS.

1.43 CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT

A. Description:

1. The work of this Pay Item consists of removing the existing concrete curb and gutter and replacing it with combination concrete curb and gutter of the same type. The following work items are associated with, and shall be considered incidental to, this Pay Item.
 - a. Sawcut existing curb and gutter, including steel reinforcement.
 - b. Break, remove, and dispose of existing curb and gutter.
 - c. Prepare aggregate Base Course below curb and gutter.
 - d. Install Combination Concrete Curb and Gutter.
 - e. Install all expansion joints, contraction joints, slip dowels, and tie bars.
 - f. Install Protective Coat.
 - g. Provide handicap ramps at sidewalks and depressed curb at driveways.

B. Measurement:

1. Curb and Gutter Removal and Replacement will be measured in place in the flowline from full-depth sawcut to sawcut, to the limits indicated on the Drawings.
2. Curb and gutter damaged by the Contractor during construction operations beyond the limits described above, will be replaced but will not be measured for payment.
3. The repair of adjacent pavement, driveways, sidewalks, and landscaping is included in this item unless specifically identified for separate payment on the Drawings.

C. Basis of Payment:

1. This work will be paid for at the Contract Unit Price per lineal foot for CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT.

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1.44 PAVEMENT MARKING

- A. Description:
 - 1. The work of this Pay Item consists of complete replacement of pavement marking, lines, letters, or symbols of the patterns, sizes, and colors.
 - 2. Replace all pavement markings removed or damaged within the limits and construction, as shown on the Drawings, as recorded on the "Job Set" plan prior to removal, or as directed by the Engineer. This work shall be done as specified in Sections 780, 781, and 783 of the IDOT "Standard Specifications", and Section 32 10 00.19 of these Specifications.
- B. Measurement:
 - 1. The work will be measured in lineal feet of line, or in square feet for letters and symbols.
- C. Basis of Payment:
 - 1. The work will be paid for at the Contract Unit Price per lineal feet for line, of the widths indicated, and per square foot for letters or symbols as PAVEMENT MARKING, of the type noted.

1.45 RAISED REFLECTIVE PAVEMENT MARKER

- A. Description:
 - 1. The work of this Pay Item consists of placing permanent snowplow resistance raised reflective pavement markers at locations of existing markers or at locations indicated by the Owner; sawcutting and epoxy sealing complying with all requirements of IDOT Sections 780, 781 and 782.
- B. Basis of Payment:
 - 1. The work will be paid for at the Contract Unit Price for each RAISED REFLECTIVE PAVEMENT MARKER.

1.46 TEMPORARY TRAFFIC SIGNAL TIMING

- A. Description:
 - 1. This work shall consist of developing and maintaining appropriate traffic signal timings for the specified intersection for the duration of the temporary signalized condition, as well as impact to existing traffic signal timings caused by detours or other temporary conditions.
 - 2. All timings and adjustments necessary for this work shall be performed by an approved Consultant who has previous experience in optimizing Closed Loop Traffic signal Systems for District One of the Illinois Department of Transportation. The Contractor shall contact the Traffic Signal Engineer at (847) 705-4424 for a listing of approved Consultants.
 - 3. The following tasks are associated with TEMPORARY TRAFFIC SIGNAL TIMING.

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- a. Consultant shall attend temporary traffic signal inspection (turn-on) and/or detour meeting and conduct on-site implementation of the traffic signal timings.
- b. Consultant shall be responsible for making fine-tuning adjustments to the timings in the field to alleviate observed adverse operating conditions and to enhance operations.
- c. Consultant shall provide monthly observation of traffic signal operations in the field.
- d. Consultant shall provide on-site consultation and adjust timings as necessary for construction stage changes, temporary traffic signal phase changes, and any other conditions affecting timing and phasing, including lane closures, detours, and other construction activities.
- e. Consultant shall make timing adjustments and prepare comment responses as directed by the Area Traffic Signal Operations Engineer.
- f. Return original timing plan once construction is complete.

B. Basis of Payment:

- 1. The work shall be paid for at the contract unit price each for TEMPORARY TRAFFIC SIGNAL TIMING, which price shall be payment in full for performing all work described herein per intersection. When the temporary traffic signal installation is turned on and/or detour implemented, 50 percent of the bid price will be paid. The remaining 50 percent of the bid price will be paid following the removal of the temporary traffic signal installation and/or detour.

1.47 MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

A. Description:

- 1. This work shall consist of maintaining existing traffic signal installation that has been designated to remain in operation during construction. This work shall be in accordance with Section 850 of the "Standard Specifications for Road and Bridge Construction" adopted January 1, 2022.

B. Measurement:

- 1. This work will be measured for payment as each intersection.

C. Basis of Payment:

- 1. This work will be paid for at the Contract Unit Price per each for MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION.

1.48 TEMPORARY INFORMATION SIGNING

A. Description:

- 1. This work shall consist of furnishing, installing, maintaining, relocating for various states of construction and eventually removing temporary informational signs. Included in this item may be ground mount signs, skid

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mount signs, truss mount signs, bridge mount signs, and overlay sign panels which cover portions of existing signs. When traffic is to be directed over a detour route, the Contractor shall furnish, erect, maintain and remove all applicable traffic control devices along the detour route according to the details shown in the plans.

2. Materials. Materials shall be according to the following Articles of Section 1000 – Materials:

<u>Item</u>	<u>Article</u>
a) Sign Base (Notes 1 & 2)	1090
b) Sign Face (Note 3)	1091
c) Sign Legends	1091.02
d) Sign Supports	1093
e) Overlay Panels (Note 4)	1090.02

3. The Contractor may use 5/8-inch (16 mm) instead of 3/4-inch (19 mm) thick plywood. Type A sheeting can be used on the plywood base. All sign faces shall be Type A except all orange signs shall meet the requirements in Article 1106.01 The overlay panels shall be 0.08-inch (2 mm) thick.
4. Installation. The sign sizes and legend sizes shall be verified by the Contractor prior to fabrication.
5. Signs which are placed along the roadway and/or within the construction zone shall be installed according to the requirements of Article 701.14 and Article 720.04. The signs shall be 7 ft (2.1 m) above the near edge of the pavement and shall be a minimum of 2 ft (600 mm) beyond the edge of the paved shoulder. A minimum of two (2) posts shall be used.
6. The attachment of temporary signs to existing sign structures or sign panels shall be approved by the Engineer. Any damage to the existing signs due to the Contractor's operations shall be repaired or signs replaced, as determined by the Engineer, at the Contractor's expense.

B. Method of Measurement:

1. This work shall be measured for payment in square feet (square meters) edge to edge (horizontally and vertically). All hardware, posts or skids, supports, bases for ground mounted signs, connections, which are required for mounting these signs will be included as part of this pay item.

C. Basis of Payment:

1. This work will be paid for at the contract unit price per square foot (square meter) for TEMPORARY INFORMATION SIGNING.

1.49 DETECTOR LOOP REPLACEMENT

A. Description:

1. This work shall consist of the replacement of traffic signal detector loops in accordance with the applicable portions of Sections 886, details in the plans, and/or specified herein. The work shall be done by an approved Electrical Contractor as directed by the Engineer. Replacement of the loops shall be accomplished in the following manner: The Engineer shall mark the location of the replacement loops. The Traffic Engineer shall be

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called to approve loop locations prior to the cutting of the pavement. The Contractor may reuse the existing conduit (duct) located between the existing hand hole and pavement if it hasn't been damaged. All burrs shall be removed from the edges of the existing conduit, which may cause damage to the new detector loop during installation. If the existing conduit is damaged beyond repair, or it cannot be located, or if additional conduits are required to provide one lead-in duct for each loop; the Contractor shall be required to drill through the existing pavement or curb, into the appropriate hand hole, and install 25mm (1") unit duct conduit. Upon establishment of the duct, the loop may be cut, installed, sealed, and spliced to the twisted-shielded controller cable in the hand hole.

2. Detector loop measurements shall include the saw-cut and the length of the loop lead-in, leading from the edge of pavement, to the middle of the hand hole, or in the case of temporary signals, the middle of the wood pole. Unit duct, splicing, trench and backfill, and drilling of pavement or handholes shall be incidental to detector loop quantities.
3. All loops installed in new asphalt pavement, shall be in the binder course and not in the surface course. The edge of pavement or the curb shall be cut with a 6.3 mm (1/4") deep x 100 mm (4") saw-cut to mark location of each loop lead-in.
4. A minimum of two (2) working days prior to the Contractor cutting loops, the Contractor shall have the proposed loop locations marked and contact the Traffic Engineer at (815) 724-4210, to approve the layout.
5. Loop detectors shall be installed according to the requirements of the "District 1 Standard Traffic Design Details." Saw-cuts from the loop to the edge of pavement shall be made perpendicular to the edge of pavement, when possible, in order to minimize the length of the saw-cut, unless directed otherwise by the Engineer, or shown on the plans.
6. The detector loop cable insulation shall be labeled with the cable specifications.
7. Each loop detector lead-in wire shall be labeled in the hand hole using a Panduit 250W175C water proof tag, or approved equal, secured to each wire with nylon ties. The lead-in wire, including all necessary connections for proper operation, from the edge of pavement to the hand hole, shall be incidental to the price of the detector loop.
8. Loop sealant shall be a two component thixotropic chemically cured polyurethane, either Chemque Q-Seal 295, Percol Elastic Cement A/C Grade, or an approved equal. The sealant shall be installed 3mm (1/8") below the pavement surface, if installed above the surface; the overlap shall be removed immediately.
9. Round loop(s) 1.8 m (six foot) diameter may be substituted for 1.8 m (six foot) square loops, and shall be paid for as 7.2 m (24 feet) of detector loop.
10. Resistance to ground shall be a minimum of 100 mega-ohms under any conditions of weather or moisture.
11. Heat shrink splices shall be used according to the "District 1 Standard Traffic Signal Design Details."

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- B. Measurement:
 - 1. This work shall be measured along the sawed slot in the pavement containing the loop and lead-in, rather than the actual length of wire in the slot, including the length of the loop lead-in from the edge of the pavement to the middle of the hand hole, or the wood pole.
- C. Basis of Payment:
 - 1. This item shall be paid for at the contract unit price per foot of DETECTOR LOOP REPLACEMENT, which price shall be payment in full for furnishing, installing, and testing the detector loop complete and in place. Drilling handholes, sawing the pavement, furnishing and installing unit-duct to the appropriate hand hole, cable splicing to provide a fully operable detector loop, and all trench and backfill shall be considered incidental to the cost of DETECTOR LOOP REPLACEMENT.

1.50 REMOVAL AND REPLACEMENT OF SIGNS

- A. Description:
 - 1. This work includes furnishing all materials, equipment, and labor necessary to remove and re-install traffic signs that interfere with work to install new water main. All signs shall be carefully salvaged and placed near the area from which they were taken. Any signs damaged by the Contractor shall be replaced at the Contractor's expense with signs matching the existing signs.
- B. Basis of Payment:
 - 1. This work will be paid for at the contract unit price per each REMOVAL AND REPLACEMENT OF SIGNS.

1.51 FENCE TO BE REMOVED AND RE-ERECTED

- A. Description:
 - 1. The work of this Pay Item shall include of the removal and re-erection of fence segments, including excavation and backfilling. The fence shall be removed so that all materials considered suitable by the Engineer for future use will be salvaged. The salvaged material shall be stored at locations and in a manner approved by the Engineer. Any of the material having salvage value and which has been damaged by the Contractor, shall be replaced by the Contractor at his/her own expense with new material of the same kind. The salvaged fence shall be re-erected in accordance with Section 664 of the "Standard Specifications".
- B. Measurement:
 - 1. This work shall be measured along the top of the fence from center to center of end posts.

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C. Basis of Payment:

1. This work will be paid for at the contract unit price per linear foot for FENCE TO BE REMOVED AND RE-ERECTED.

1.52 SANITARY SERVICE LINE RELOCATION

A. Description:

1. The work of this Pay Item shall be completed in accordance with the latest edition of the "Standard Specifications for Water and Sewer Construction in Illinois", and shall consist of the removal, replacement, and relocation of sanitary sewer service lines above the water main at the crossing location complete in place, including connections to the existing service lines; couplings; excavation; bracing; bedding and covering of pipe; trench dewatering; finish grading; removal and disposal of waste excavated materials; protection, replacement, or repair of utilities; and backfilling with granular backfill materials.
2. The work shall include either the removal and replacement of service pipe at the existing location, slope, and elevation of the existing service pipe; or the vertical adjustment of the existing service pipe to cross below the water main.
 - a. Adjustment and relocation will require replacement of enough sanitary sewer service pipe to obtain an adequate elevation difference to cross below the water main with positive slope toward the main line sewer.

B. Basis of Payment:

1. The work will be paid for at the Contract Unit Price for each SANITARY SEWER SERVICE RELOCATION, regardless of the depth, length, size, or pipe material of the sanitary sewer service.

1.53 TREE ROOT PRUNING

A. Description:

1. The work of this Pay Item consists of root pruning using an approved mechanical root pruning saw prior to excavating around the tree and where indicated on the Drawings or as directed by the Engineer; and in such a manner as to preserve the natural growth habit of each tree complete including an equivalent amount of the top vegetative growth of the plant material within one week following root damage, the application of fertilizer nutrients, and supplemental watering. Root pruning depth to be 12" minimum.

B. Basis of Payment:

1. The work will be paid for at the Contract Unit Price for each TREE ROOT PRUNING.

1.20 TREE PROTECTION (TEMPORARY FENCING)

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- A. Description:
 - 1. The work of this Pay Item shall be completed in accordance with the requirements of Section 31 25 00 and shall consist of providing temporary fence with posts for tree protection as indicated on the Drawings, or as directed by the Engineer or Village Arborist.
- B. Measurement:
 - 1. The work will be measured in lineal foot of fence in place.
- C. Basis of Payment:
 - 1. The work will be paid for at the Contract Unit Price per lineal foot for TREE PROTECTION (TEMPORARY FENCING).

1.54 EXPLORATORY EXCAVATION

- A. The work of this Pay Item consists of exploratory excavation for an Owner located water or sewer service pipe at a location more than 3 feet beyond the actual location of the service, complete including excavation and backfilling with granular materials, but not including surface restoration.
- B. Measurement:
 - 1. The work will be measured per each given location that was marked in the field by the Engineer or the Owner.
- C. Basis of Payment:
 - 1. The work will be paid for at the Contract Unit Price per each for EXPLORATORY EXCAVATION.

1.55 REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL

- A. Description:
 - 1. The work of this Pay Item consists of the removal of organic, soft, spongy or otherwise unsuitable soils found at the bottom of open trench pipe installations or at the bottom of tunnel shafts and the replacement with gradation No. CA 1 stone complete, including removal and disposal of unsuitable materials; protection, replacement, or repair of utilities; and dewatering, including erosion and sedimentation control methods and devices to provide protection to environment from all pumping operations.
 - 2. Payment will be allowed for only the material below an elevation one foot below the bottom of the pipe barrel, and when removal and replacement is approved by the Engineer.
- B. Measurement:
 - 1. The work will be measured in the field and computed in cubic yards.

MEASUREMENT AND PAYMENT
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- C. Basis of Payment:
 - 1. The work will be paid for at the Contract Unit Price per cubic yard for REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL, at the locations noted.

1.56 SOIL TESTS FOR CONTAMINANTS

- A. Description:
 - 1. The work of this Pay Item consists of providing the services of a geotechnical engineer to take samples of the soil at the site of the work and provide laboratory testing of the samples to determine if contaminants are present in the soil. If sampling and analysis is required for landfill disposal, it shall be included in this Pay Item.
- B. Basis of Payment:
 - 1. The work will be paid for at the Contract Unit Price for each sample, as SOIL TESTS FOR CONTAMINANTS.

1.57 CONTAMINATED WASTE DISPOSAL

- A. Description:
 - 1. The work of this Pay Item consists of disposal of material from the work site that is determined to be contaminated, based upon criteria of Illinois Environmental Protection Act for CCDD materials.
- B. Measurement:
 - 1. The work will be measured based on verified load tickets.
- C. Basis of Payment:
 - 1. The work will be paid for at the Contract Unit Price per ton as CONTAMINATED WASTE DISPOSAL.

END OF SECTION

MEASUREMENT AND PAYMENT
01 22 29-31 (ARLHT 2401308.00)

SECTION 01 26 13

REQUESTS FOR INTERPRETATION

PART 1 - GENERAL

1.1 SUMMARY: REQUESTS FOR INTERPRETATION (RFI)

- A. The Contractor may submit Requests For Interpretation (RFI) to the Engineer to expedite the Contractor's performance on the Project. RFIs will be submitted following the requirements, all as described in this Section.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and Sections in Division 01 of these Specifications.
 - 2. Individual requirements for submittals will be described in pertinent Sections of these Specifications.
- C. Work not included:
 - 1. Incomplete submittals will not be reviewed by the Engineer.
 - 2. The Contractor may require his subcontractors to provide drawings, setting diagrams, and similar information to help coordinate the Work, but such data shall remain between the Contractor and his subcontractors and will not be reviewed by the Engineer unless specifically called for within the Contract Documents.
- D. References – (Reserved).

1.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).
- E. Make submittals of RFIs in accordance with the provisions of this Section.
- F. Prior to submitting each RFI, the Contractor shall first carefully study and compare the Contract Documents, field conditions, other Owner provided information, Contractor prepared Coordination Drawings, and prior Project correspondence and documentation to determine that the information requested is not reasonably obtainable from such sources.

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- G. The Contractor shall submit each RFI sufficiently in advance of the date by which such information is required to allow the Engineer sufficient time, in the Engineer's professional judgement, to permit adequate review and response and to permit Contractor compliance with the latest construction schedule.

1.3 QUALITY ASSURANCE – (Reserved).

1.4 DELIVERY, STORAGE, AND HANDLING – (Reserved).

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

PART 2 - PRODUCTS

2.1 This Subsection intentionally left blank.

PART 3 - EXECUTION

3.1 IDENTIFICATION OF SUBMITTALS

- A. Each RFI shall be submitted to the Engineer, in writing, on such form and with such accompanying information as the Engineer may require for such purpose. Each RFI shall identify the specific sources which were reviewed by the Contractor in its efforts to determine the information requested, and a statement to the effect that the information being requested could not be determined from such sources.
- B. Consecutively number all submittals.
 - 1. When material is submitted for any reason, transmit under a new letter of transmittal and with a new transmittal number.
 - 2. On re-submittals, cite the original submittal number for reference.
- C. Accompany each submittal with a letter of transmittal showing all information required for identification and checking.
 - 1. Use Request for Interpretation (RFI) Form, Section 01 26 13.13.
- D. On at least the first page of each submittal, and elsewhere as required for positive identification, show the submittal number in which the item was included.
- E. Submittal log:
 - 1. Maintain an accurate submittal log for the duration of the Work, showing current status of all submittals at all times, the date of the request, to whom the request was made, by whom the request was made, the nature of the request, and the Engineer's resolution thereof.
 - 2. Make the submittal log available to the Engineer for the Engineer's review upon request.

REQUESTS FOR INTERPRETATION
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3. Review this log at each Project Meeting and make the resolution of RFIs a part of the minutes of such meetings.

END OF SECTION

REQUESTS FOR INTERPRETATION
01 26 13-3 (ARLHT 2401308.00)

01 26 13.13

REQUEST FOR INTERPRETATION (RFI) FORM

RFI NO. _____

Contractor requests for interpretation will be considered upon receipt of this completed RFI Form. By submission of this form the Contractor attests to the fact that having carefully reviewed the Contract Documents and coordinated the Work with the appropriate trades and reviewed field conditions, that the information requested cannot be determined from such efforts as called for in the General Conditions of the Contract.

Date: _____ Project: _____

To: _____

Description of Requested Interpretation: _____

Specification References: _____

Drawing References: _____

Proposed method of resolving issue. Sketches and/or Pages Attached: _____ Yes, _____ No

Potential impact on project cost: _____

Response Date: _____ List date by which response by Engineer is requested to maintain project schedule. (Allow sufficient time for response).

Signed: _____, Project Superintendent
Signature signifies acceptance of responsibility for accuracy and completeness of information.

ENGINEER'S RESPONSE

Notations listed below indicate the Engineer's action on method proposed by the Contractor to resolve issues or remarks in response to RFI when no Contractor recommendation has been provided. Changes to Contract Amount and/or project time shall be processed using standard Change Order Forms. Sketches and/or Pages Attached _____ Yes _____ No

Signed: _____ Date: _____

SECTION 01 31 13.16

PROJECT COORDINATION AND CONSTRUCTION PHASING

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section describes the Contractor's general project coordination and construction phasing requirements under this Contract.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents, and Sections in Divisions 01, 31, 32 and 33 of these Specifications.
- C. Coordinate construction activities with the Owner and Engineer.
- D. Follow specific procedures and project phasing requirements specified in this Section.
- E. Submit the plan of construction phasing to the Owner and Engineer for review two working days prior to the pre-construction conference.
- F. References – (Reserved).

1.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).
- E. Submit a detailed plan for phasing of construction in all areas and phasing of construction and restoration that will illustrate compliance with project phase completion requirements.
 - 1. Define construction activities along the pipeline route on a week-by-week basis.
 - 2. Define subcontractor work activities along the pipeline route.
 - 3. Allow for reasonable periods of delays caused by inclement weather.
- F. Define Contractor's plans regarding storage and staging areas.
 - 1. Include property owner representative's name and phone number.
 - 2. Outline requirements of agreement.

PROJECT COORDINATION AND CONSTRUCTION PHASING
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3. Define means to be utilized to meet agreements, including security measures and restoration methods.

G. Submit a detailed plan indicating the methods and materials to be used for sewer testing and temporary street patching.

1. Submit plan at pre-construction meeting for approval by Owner and Engineer.
2. Revise plan, methods, and materials to comply with comments by Owner and Engineer.

1.3 QUALITY ASSURANCE – (Reserved).

1.4 DELIVERY, STORAGE, AND HANDLING – (Reserved).

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

1.7 CONTRACTOR'S REQUIREMENTS (Engineer to detail requirements)

A. General:

B. Underground Utility Installation Phasing:

PART 2 - PRODUCTS

No products are required in this Section.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Construct the proposed facilities in a timely manner and comply with these project coordination and construction phasing requirements.

END OF SECTION

SECTION 01 31 19
PROJECT MEETINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. Work included: To enable orderly review during progress of the Work, and to provide for systematic discussion of problems, the Engineer will conduct project meetings throughout the construction period.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents, and Division 01 - General Requirements of these Specifications.
 - 2. The Contractor's relations with his subcontractors and materials suppliers, and discussions relative thereto, are the Contractor's responsibility and normally are not part of project meetings content.
- C. References – (Reserved).

1.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).
- E. Agenda items: To the maximum extent practicable, advise the Engineer at least 24 hours in advance of project meetings regarding items to be added to the agenda.
- F. Minutes:
 - 1. The Engineer will compile minutes of each project meeting, and will furnish three copies to the Contractor and required copies to the Owner.
 - 2. Recipients of copies may make and distribute such other copies as they wish.

1.3 QUALITY ASSURANCE

- A. For those persons designated by the Contractor to attend and participate in project meetings, provide required authority to commit the Contractor to solutions agreed upon in the project meetings.

- 1.4 DELIVERY, STORAGE, AND HANDLING – (Reserved).
- 1.5 SITE CONDITIONS – (Reserved).
- 1.6 MAINTENANCE – (Reserved).

PART 2 - PRODUCTS

- 2.1 No products are required in this Section.

PART 3 - EXECUTION

3.1 MEETING SCHEDULE

- A. Project meetings will be scheduled at the Preconstruction Meeting.
- B. Coordinate as necessary to establish mutually acceptable schedule for meetings.

3.2 MEETING LOCATION

- A. The Engineer will establish meeting location. To the maximum extent practicable, meetings will be held at the job site.

3.3 PRECONSTRUCTION MEETING

- A. Preconstruction Meeting will be scheduled to be held within 20 working days after the effective date of the Agreement.
 - 1. Provide attendance by authorized representatives of the Contractor and major subcontractors.
 - 2. The Engineer will advise other interested parties, including the Owner, and request their attendance.
- B. Minimum agenda: Data will be distributed and discussed on at least the following items:
 - 1. Organizational arrangement of Contractor's forces and personnel, and those of subcontractors, materials suppliers, and Engineer.
 - 2. Channels and procedures for communications.
 - 3. Construction schedule, including sequence of critical work.
 - 4. Contract Documents, including distribution of required copies of original Documents and revisions.
 - 5. Processing of Shop Drawings and other data submitted to the Engineer for review.
 - 6. Processing of Bulletins, field decisions, and Change Orders.
 - 7. Rules and regulations governing performance of the Work; and

8. Procedures for safety and first aid, security, quality control, housekeeping, and related matters.

3.4 PROJECT MEETINGS

- A. Progress meetings will be held throughout progress of the Work at intervals agreed to by Owner, Engineer and Contractor. Interval will generally be weekly.
- B. Contractor's project manager, job superintendent, major subcontractors and suppliers shall attend, as appropriate, to address agenda topics for each meeting. Contractor's representatives shall have authority to bind Contractor to decisions at the meetings.
- C. The project schedule shall be updated monthly and shall be reviewed at each progress meeting. Contractor shall provide the following information in written form at each meeting.
 1. Construction progress, including:
 - a. Activities completed this reporting period.
 - b. Activities in progress this reporting period.
 - c. Activities scheduled to commence this reporting period.
 2. Description of problem areas.
 3. Current and anticipated delays.
 - a. Cause of the delay.
 - b. Corrective action and schedule adjustments to correct the delay.
 - c. Impact of the delay on other activities, on milestones, and on completion dates.
 4. Changes in construction sequence.

END OF SECTION

SECTION 01 32 16

CONSTRUCTION PROGRESS SCHEDULES

PART 1 - GENERAL

1.1 SUMMARY

- A. Prepare and maintain the schedules and reports described in this Section to assure adequate planning and execution of the Work so that the Work is completed within the Contract Times, and to assist the Engineer in appraising the reasonableness of the proposed schedule and in evaluating progress of the Work.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents, and Division 01 - General Requirements of these Specifications.
 - 2. Requirements for progress schedule: General Conditions.
 - 3. Construction period: Form of Agreement.
- C. References – (Reserved).

1.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).
- E. Comply with pertinent provisions of Section 01 33 01.
- F. Construction schedule: Prior to submission of the first Application for Payment, but no later than 30 calendar days after Contract Times commence, submit to the Engineer one reproducible copy and four prints of a construction schedule prepared in accordance with Part 3 of this Section.
- G. Periodic reports: Update the construction progress monthly and submit it to the Engineer prior to submittal of each Application for Payment for completed work.
 - 1. Submit four prints of the construction schedule updated as described in Part 3 of this Section.

1.3 QUALITY ASSURANCE

- A. Perform data preparation, analysis, charting, and updating in accordance with standards approved by the Engineer.
- B. Reliance upon the approved schedule:

1. The construction schedule as approved by the Engineer will be an integral part of the Contract and will establish interim completion dates for the various activities under the Contract.
2. Processing of the first Application for Payment will not be completed by the Engineer until the construction schedule has been submitted in accordance with 1.2 F. above.
3. Processing of the 50 percent and 80 percent progress payment applications will not be completed by the Engineer until the periodic reports have been submitted in accordance with 1.2 G. above.

1.4 DELIVERY, STORAGE, AND HANDLING – (Reserved).

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

PART 2 - PRODUCTS

2.1 CONSTRUCTION ANALYSIS

- A. Graphically show by Critical-Path (CPM), Program Evaluation and Review Technique (PERT), Precedence Methods, bar-chart, or other means acceptable to the Engineer, the order and interdependence of all activities necessary to complete the Work, and the sequence in which each activity is to be accomplished, as planned by the Contractor and his project field superintendent in coordination with all subcontractors whose work is shown on the diagram.
- B. Include, but do not necessarily limit indicated activities to:
 1. Project mobilization.
 2. Work elements.
 3. Special material and equipment installation and testing.
 4. Final cleanup.
 5. Final inspecting and testing.
 6. All activities by the Engineer that affect progress, required dates for completion, or both, for all and each part of the work.
 7. Contractor's anticipated working dates.

PART 3 - EXECUTION

3.1 CONSTRUCTION SCHEDULE

- A. As soon as practicable after receipt of Notice to Proceed, complete the construction schedule in preliminary form, meet with the Engineer, review contents of the proposed construction schedule, and make all revisions agreed upon.
- B. Submit in accordance with Paragraph 1.2 F. above.

3.2 PERIODIC REPORTS

- A. As required under Paragraph 1.2 G. above, update the approved construction schedule.
 - 1. Indicate "actual" progress in percent completion for each activity;
 - 2. Provide written narrative summary of revisions causing delay in the program, and an explanation of corrective actions taken or proposed.

3.3 REVISIONS

- A. Make only those revisions to approved construction schedule as are approved in advance by the Engineer.

END OF SECTION

SECTION 01 32 36

PRECONSTRUCTION VIDEO RECORDING

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide color audio-video documentation of construction areas prior to start of construction, as specified herein.
 - 1. Provide documentation on USB Flash drives.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents, and Division 01 - General Requirements of these Specifications.
- C. References – (Reserved).

1.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).

1.3 QUALITY ASSURANCE

- A. Promptly upon award of the Contract, notify all pertinent personnel regarding requirements of this Section.
- B. Require that all personnel who will enter upon the Owner's property certify their awareness of and familiarity with the requirements of this Section.

1.4 DELIVERY, STORAGE, AND HANDLING – (Reserved).

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

1.7 REQUIREMENTS

- A. Include coverage of at least 100 feet in each direction along the street and/or pipeline when documenting areas of work that are of minimal length or are isolated locations.
- B. Upon acceptance of the USB Flash drives, the USB Flash drives become the property of the Owner. The Contractor may duplicate the video for his own use at his expense.

1.8 SCHEDULING

- A. Schedule video so that no area is recorded more than 6 months prior to the actual beginning of construction in that area.

PART 2 - EQUIPMENT

2.1 GENERAL

- A. Furnish all equipment, accessories, and materials to perform this service, except the specific plans of the proposed area to be televised, which will be furnished by the Owner.

2.2 TECHNICAL REQUIREMENTS

- A. Provide the total audio-video recording system and procedures as required to produce a finished product that will fulfill the technical requirements of the project and the more subjective requirements of high quality video and audio production. Produce the video portion of the recording with bright, sharp, clear pictures with accurate colors and free from distortion, tearing, rolls, or other forms of picture imperfection. Produce the audio portion of the recording with proper volume, clarity, and free from distortion.
- B. Make recordings with a digital video recorder.
- C. Provide the documentation on USB Flash drives.

PART 3 - EXECUTION

3.1 GENERAL

- A. Audio-video coverage will be required in areas not accessible by conventional wheeled vehicles. Obtain such coverage by walking or special conveyance approved by the Engineer.

3.2 TIME AND POSITION RECORDS

- A. Audio:
 - 1. Begin each recording with the current date, project name, and Owner; followed by the general location, e.g., station along the route, name of the street, viewing side, and direction of progress.

3.3 RECORDING IDENTIFICATION

- A. Properly identify all USB Flash drives with number, location, and project name and municipality in a manner acceptable to the Owner.

3.4 CONSTRUCTION AREA

- A. Include coverage of all surface features located within the zone of influence of construction, supported by appropriate audio description. Make audio description simultaneously with video coverage. Include coverage, but not be limited to, all existing driveways, sidewalks, curbs, ditches, roadways, landscaping, trees, culverts, headwalls, bridges, and retaining walls or buildings located within such zone of influence.
- B. Identify houses and buildings visually by house or business number, when visible, in such a manner that structures of the proposed system, e.g., valve vaults, can be located by reference.
- C. Record at a rate of speed not exceeding 48 feet per minute in the general direction of travel. Control panning rates and zoom-in and zoom-out rates to provide clarity of the viewed object during playback.
- D. Perform all recording during times of good visibility. Perform no documentation during periods of visible precipitation, or when more than 10 percent of the ground area is covered with snow or fallen leaves, unless otherwise authorized by the Engineer.
- E. The Owner has the authority to designate what areas may be omitted or added for audio-video coverage.

3.5 CONTRACTOR'S RESPONSIBILITIES

- A. Use no electrical circuits within private property building structure at any time. Perform all documentation during regular business hours, unless otherwise specified by the private property owner or Engineer. Enter and leave private property in a professional and orderly, workmanship like manner.
- B. Provide for an audio-visual presentation for review.
 - 1. The Owner has the authority to reject all or any portion of the video recording not conforming to Specifications.

2. Re-record any coverage not acceptable to the Owner at no cost to the Owner.
 3. Reschedule recording of unacceptable coverage as soon as possible after being notified of non-acceptance of previous recordings.
 4. Submit completed audio-visual USB Flash drives to the Owner and Engineer before commencement of construction.
 - a. Provide at least two (2) copies of each USB Flash drive.
- C. All acceptable recordings are the property of the Owner.

END OF SECTION

SECTION 01 33 01

SUBMITTALS

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide submittals required by the Contract Documents, and revise and resubmit as necessary to establish compliance with the specified requirements, all as described in this Section.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents, and Division 01 - General Requirements of these Specifications.
 - 2. Individual requirements for submittals will be described in pertinent Sections of these Specifications.
- C. Work not included:
 - 1. Submittals not required by the various Specification Sections of the Contract Documents will not be reviewed by the Engineer.
 - 2. The Contractor may require his subcontractors to provide drawings, setting diagrams, and similar information to help coordinate the Work, but such data shall remain between the Contractor and his subcontractors and will not be reviewed by the Engineer unless specifically called for within the Contract Documents.
- D. References – (Reserved).

1.2 SUBMITTALS

- A. Provide submittals of Shop Drawings, Samples, Substitution Requests, progress schedules and other items required in the Contract Documents in accordance with the provisions of this Section.

1.3 QUALITY ASSURANCE

- A. Coordination of submittals:
 - 1. Review and coordinate all aspects of each item being submitted.
 - 2. Verify that each item and the submittal for it conform in all respects with the specified requirements.
 - 3. Certify that this coordination has been performed by affixing the Contractor's signature to each Contractor's Submittal Transmittal Form Attachment 01 33 01.
- B. Resubmittals and reimbursement of Engineer's costs.

SUBMITTALS

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1. The Engineer will record all time used by the Engineer in the review of any third and subsequent submittals.
2. The Owner will reimburse the Engineer at the Engineer's standard hourly rate for all time spent in such third and subsequent reviews and deduct such costs from payments due the Contractor.

1.4 DELIVERY, STORAGE, AND HANDLING – (Reserved).

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

PART 2 - PRODUCTS

2.1 SHOP DRAWINGS

- A. Provide Shop Drawings accurately to a scale sufficiently large to show all pertinent aspects of the item and its method of connection to the Work.
 1. Shop Drawings are not required for manholes, valve vaults, catch basins, pipe, and appurtenances needed for infrastructure systems (storm sewers, sanitary sewers, and water distribution) so long as the items are the materials and manufacturers specified in the project manual.
- B. Submit Shop Drawings electronically to the Engineer as a single .pdf file set.
 1. Attach, as the first page of each Shop Drawing, a completely executed Contractor's Submittal Transmittal Form Attachment 01 33 01.
 2. Collate the electronic .pdf file to include all data pertaining to the Shop Drawing Submittal in one .pdf set.
 - a. Separate .pdf files submitted will be cause for rejection and the Shop Drawing will be returned to the Contractor.
 3. In cases where Electronic Shop Drawing files exceed a size that is practical for electronic transmission via electronic mail or through an FTP site, the Contractor may and will be required to submit up to five (5) .pdf file shop drawing submittals on separate compact discs or removable USB storage, if requested, plus the quantity of discs or removable USB storage that will be required to be returned to the Contractor.
- C. Submit all required shop drawings for a specification section at the same time under one Contractor's Submittal Transmittal Form Attachment 01 33 01.
- D. Do not submit partial submittals of an item within a specification section or use a separate Contractor's Submittal Transmittal Form for separate items within a particular section.
- E. Identify exceptions or items that do not comply with the specifications and provide explanation for exception or non-compliance.
- F. For Shop Drawings required to be resubmitted for review, include the following:

1. A completely executed cover sheet Contractor's Submittal Transmittal Form Attachment 01 33 01.
 2. A cover letter responding to each of the review comments returned to the Contractor by the Engineer with the previous review and specifically stating:
 - a. If the equipment and resubmitted data provided complies with the review comment(s) then provide:
 - (1) How the equipment complies.
 - (2) Specifically indicate where support documentation can be located in the shop drawing.
 - b. If the equipment and resubmitted data provided cannot or does not comply with the review comment(s) then provide:
 - (1) What is being provided to comply instead.
 - (2) Justify why the Contractor feels the Engineer should consider it is acceptable to allow the Contractor to not comply with the specification.
 3. Resubmission of a complete and fully-inclusive shop drawing with all data pertinent to the item(s) being submitted.
 - a. Partial submission of data that only addresses the Engineer's specific review comments, or a portion thereof, and does not include all data for a complete resubmittal, will be cause for immediate rejection.
- G. Upon completion of the Engineers review of the Shop Drawings, one electronic .pdf file will be returned to the Contractor for their distribution.
1. Upon the request of the Engineer or Owner at any time, the Contractor shall provide up to four (4) color, hard copy, shop drawing submittals.
 2. Upon the request of the Engineer or Owner at any time, the Contractor shall provide up to four (4) .pdf file shop drawing submittals on separate compact discs or removable USB storage.

2.2 MANUFACTURERS' LITERATURE

- A. Where contents of submitted literature from manufacturers includes data not pertinent to the submittal, clearly indicate which portion of the contents is being submitted for review by highlighting, circling, or other means, or by crossing out contents that do not pertain to the submittal and are not to be considered.
1. This also applies to specifically indicating, when applicable, which optional items will or will not be provided with items specified.

2.3 MANUFACTURERS' RECOMMENDED INSTALLATION PROCEDURES

- A. Maintain in a safe place at the site one copy of manufacturers' recommended installation procedures for all equipment and materials.
1. Make these installation procedures readily available to the Engineer for reference.

- B. When the manufacturers' recommended installation procedures are submitted as part of the shop drawings required by the Contract Documents, approval of such installation procedures by the Engineer will not be required.

PART 3 - EXECUTION

3.1 IDENTIFICATION OF SUBMITTALS

- A. Consecutively number all submittals, beginning with identifying number "001" for the first submittal delivered by the Contractor.
 - 1. When items are submitted for any reason, transmit under a new Contractor's Submittal Transmittal Form Attachment 01 33 01 and with a new transmittal number.
 - 2. When material is resubmitted for any reason, cite the original identifying submittal number followed by insertion of a letter "A" for the first resubmittal, "B" for the second resubmittal, and so on.
- B. Accompany each submittal with a letter of transmittal showing all information required for identification and checking.
 - 1. Use Contractor's Submittal Transmittal Form Attachment 01 33 01.
- C. On at least the first page of each submittal, and elsewhere as required for positive identification, show the submittal number in which the item was included.

3.2 GROUPING OF SUBMITTALS

- A. Shop Drawings may be submitted for different specification sections under one Contractor's Submittal Transmittal Form Attachment 01 33 01, provided the items are specifically and directly related to each other such that review of the items from different specification sections is pertinent for a complete review.
 - 1. Identify any and all items and their specific specification section(s) if included with and submitted under a differing main specification section submittal.
 - 2. Partial submittals may be rejected as not complying with the provisions of the Contract.
 - 3. The Contractor may be held liable for delays so occasioned.
 - 4. Do not submit unrelated items in group submittals.

3.3 TIMING OF SUBMITTALS

- A. Make submittals far enough in advance of scheduled dates for installation to provide time required for reviews, for securing necessary approvals, for possible revisions and resubmittals, and for placing orders and securing delivery.
- B. In scheduling, allow at least ten working days for review by the Engineer following the Engineer's receipt of the submittal.

END OF SECTION

ATTACHMENT 01 33 01

CONTRACTOR'S SUBMITTAL TRANSMITTAL FORM

TO: BAXTER & WOODMAN, INC.
8678 RIDGEFIELD ROAD
CRYSTAL LAKE, IL 60012

DATE: _____

ATTN: _____

PROJECT NAME: _____

FROM: _____ SPEC NO. _____

_____ ENGR. DWG. NOS. _____

_____ TRANSMITTAL NO. _____

1. The following submittals are forwarded for your review:

<u>No. of Copies</u>	<u>Manufacturer</u>	<u>Description</u>	<u>Drawing No.</u>	<u>Date</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

2. Have all field measurements, field construction criteria, materials, dimensions, catalog numbers, and similar data been determined and verified?

Yes ____ No ____

3. Has work indicated in this submittal been coordinated with all trades?

Yes ____ No ____

4. Is work by all trades being provided as necessary to accommodate this submittal?

Yes ____ No ____

5. Contractor's description and justification for deviations from Contract Documents
(Use additional sheet if necessary.)

6. Remarks: _____

Signature: _____

1/15 - IL

SUBMITTALS

ATTACHMENT 01 33 01-1 (ARLHT 2401308.00)

SECTION 01 41 26

PERMITS

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section describes permit requirements for building, work in highway rights-of-way, work in railroad rights-of way and for stormwater discharges.
- B. Related Sections:
 - 1. Documents affecting work of this Section include, but are not necessary limited to, the Contract Documents, and Division 01 - General Requirements of these Specifications.
 - 2. Other permits requirements may also be described in other Sections of these Specifications.
- C. References – (Reserved).

1.2 SUBMITTALS - (Reserved).

1.3 QUALITY ASSURANCE – (Reserved).

1.4 DELIVERY, STORAGE, AND HANDLING – (Reserved).

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

1.7 BUILDING PERMITS

- A. Obtain all permits required, and pay all inspection fees for the respective work requiring such permits.

1.8 WORK IN HIGHWAY RIGHTS-OF-WAY

- A. Conform in all respects with the requirements of the controlling authority in performing construction work in the rights-of-way of County and State where required by the locations shown on the Drawings.
 - 1. Comply with IDOT "Permit Special Provision Governing Permit Work on State Right-of-Way".
 - 2. Comply with Cook County Department of Transportation and Highways (CCDOH) "General Requirements for Construction/Maintenance Permits".

PERMITS

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- B. Execute all necessary highway permit forms, provide and pay for any bond requirements, execute and comply with any required Traffic Control Authorization Requests, and submit digital pictures (on a USB Flash drive) of the project showing all right-of-way that will be affected, and referenced to the project stationing.
 - 1. IDOT has not determined the value of the bond the contractor must provide.
 - 2. CCDOTH has determined the value of the bond the contractor must provide is \$20,000.00.
- C. Notify the highway authority involved not less than ten (10) days prior to starting construction in highway rights-of-way.

1.9 NPDES PHASE II STORMWATER PERMIT

- A. ILR10:
 - 1. A General NPDES Permit for Stormwater Discharges from Construction Site Activity (General NPDES Permit No. ILR10) is required because the project involves 1.0-acre or more of disturbed area.
 - 2. The Engineer will provide the Notice of Intent (NOI) to the Contractor at the Pre-Construction Meeting.
 - a. Contractor shall pay for the NOI permit fee, or reimburse the Owner for permit fee already paid, in the amount of \$_____. **Note to Specifier: Fill in the amount.**
 - 3. The Contractor shall complete and fill-in the construction SWPPP included in the Drawings.
 - 4. Update the NOI and construction SWPPP accordingly throughout the construction period.
 - a. Maintain a copy of the most recent revisions to the construction SWPPP at the construction site.
 - b. Perform inspections and maintain all control measures according to the permit requirements and the construction SWPPP.
 - c. Maintain records of inspections and maintenance of control measures at the construction site.
 - d. Submit a Notice of Termination (NOT) after construction has been completed and the construction site has been stabilized.

END OF SECTION

PERMITS

01 41 26-2 (ARLHT 2401308.00)

SECTION 01 45 29

TESTING LABORATORY SERVICES

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section describes testing to be provided by an independent testing laboratory service.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents, and Division 01 - General Requirements of these Specifications.
 - 2. Requirements for specific tests will be described in various Sections of these Specifications.
- C. References – (Reserved).

1.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).

1.3 QUALITY ASSURANCE

- A. Provide the services of a testing laboratory approved by the Engineer.
- B. Upon completion of each test and/or inspection, promptly distribute copies of test or inspection reports to the Engineer, to governmental agencies requiring submission of such reports, and to such other persons as directed by the Engineer.

1.4 DELIVERY, STORAGE, AND HANDLING – (Reserved).

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

1.7 TESTING AGENCY DUTIES AND LIMITS OF AUTHORITY

- A. Cooperate with the Engineer and the Contractor; provide qualified personnel and equipment to perform the scope of testing work outlined.

TESTING LABORATORY SERVICES
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- B. Acquaint the Engineer and the Contractor with testing procedures for special conditions encountered at the site.
- C. Perform specified monitoring, sampling, and testing of the materials and construction.
 - 1. Comply with specified standards, ASTM, other authorities, and as specified.
 - 2. Ascertain compliance with the Contract Documents.
 - 3. Obtain written acknowledgment of sampling or testing.
- D. Give prompt written notice to the Engineer and the Contractor of irregularities or deficiencies of work which are observed during performance of service.
- E. The Laboratory is not authorized to release, revoke, alter or enlarge the Contract requirements, nor to approve or accept any portion of the work, nor to perform the duties of the Contractor.

PART 2 - PRODUCTS

2.1 PAYMENT FOR TESTING

- A. Include within the Contract Price an amount sufficient to cover all testing required of the Contractor under pertinent Sections of these Specifications, and to cover all testing and inspecting required by governmental agencies having jurisdiction.
- B. The Owner will pay for all testing and inspecting specifically requested by the Engineer over and above those described in Paragraph 2.1 A. above.
- C. When tests indicate noncompliance with the Contract Documents, all testing and subsequent retesting occasioned by the noncompliance shall be performed by the same testing laboratory and the costs thereof shall be paid by the Contractor.

PART 3 - EXECUTION

3.1 TAKING SPECIMENS

- A. Except as may be specifically otherwise approved by the Engineer, have the testing laboratory secure and handle all samples and specimens for testing.

3.2 COOPERATION WITH TESTING LABORATORY

- A. Provide access to the Work at all times and at all locations where the Work is in progress. Provide facilities for such access to enable the laboratory to perform its functions properly.
- B. Furnish casual labor and facilities:

1. To obtain and handle samples at the site or at the source of the product to be tested.
 2. To facilitate testing operations.
 3. For laboratory's exclusive use for storage and curing of test samples on site.
- C. Notify the testing agency sufficiently in advance of operations to allow for assignment of personnel and scheduling of its operations.
- D. Provide the testing laboratory with copies of approved relevant shop drawings.

END OF SECTION

SECTION 01 50 00

TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section describes construction facilities and temporary controls required for the Work.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents, and Division 01 - General Requirements of these Specifications.
 - 2. Comply with pertinent safety requirements and regulations for temporary facilities and controls.
 - 3. Equipment normally furnished by the individual trades in execution of their own portions of the Work is not part of this Section.
 - 4. Permanent installation and hookup of the various utility lines are described in other Sections.
- C. References – (Reserved):.

1.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).

1.3 QUALITY ASSURANCE

- A. Promptly upon award of the Contract, notify all pertinent personnel regarding requirements of this Section.
- B. Require that all personnel who will enter upon the Owner's property certify their awareness of and familiarity with the requirements of this Section.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Maintain temporary facilities and controls in proper and safe condition throughout progress of the Work.

TEMPORARY FACILITIES AND CONTROLS
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1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

1.7 REQUIREMENTS

- A. Provide construction facilities and temporary controls needed for the Work including, but not necessarily limited to:
 - 1. Temporary utilities and services such as heat, water, electricity, telephone, and internet access.
 - 2. Sanitary facilities.
 - 3. Enclosures such as fencing, tarpaulins, barricades, and canopies.
 - 4. Temporary fencing of the construction site.
 - 5. Fire extinguishers.
 - 6. Dust and mud control.
 - 7. Traffic control.
 - 8. Security.
 - 9. Right-of-way and property line control.
 - 10. Construction layout and staking.

PART 2 - PRODUCTS

2.1 UTILITIES AND SERVICES DURING CONSTRUCTION

- A. Water:
 - 1. The Owner will provide water for the initial filling for flushing and testing of new water main at no cost to the Contractor.
 - 2. Provide necessary temporary piping and water supply and, upon completion of the work, remove such temporary facilities.
 - 3. Provide and pay for water used in all other construction and subsequent filling for retesting of new water system.
- B. Electricity:
 - 1. Provide necessary temporary wiring and, upon completion of the Work, remove such temporary facility.
 - 2. Provide and pay for electricity used in construction.
- C. Heating: Provide and maintain heat necessary for proper conduct of operations needed in the Work.

2.2 SANITARY FACILITIES

- A. Provide temporary sanitary facilities meeting federal, state, and local health department requirements.
 - 1. Maintain in a sanitary condition at all times.

TEMPORARY FACILITIES AND CONTROLS
01 50 00-2 (ARLHT 2401308.00)

2.3 ENCLOSURES

- A. Provide and maintain for the duration of construction all scaffolds, tarpaulins, canopies, warning signs, steps, platforms, bridges, and other temporary construction necessary for proper completion of the Work in compliance with pertinent safety and other regulations.

2.4 TEMPORARY FENCING

- A. Provide and maintain for the duration of construction a temporary fence of design and type needed to prevent entry onto the Work by the public.
- B. Temporary work boundary fence (standard).
 - 1. Provide fence 36-inch to 48-inch in height.
 - a. Material: Polyethylene, PVC, or wood lath.
 - 2. Provide steel or wood posts.
 - a. Height: To support fence for total height after being driven.
- C. Temporary work boundary fence (special).
 - 1. Provide 6-foot tall chain link fence where indicated on the Drawings or in these Specifications.
- D. Jacking and receiving pit fences.
 - 1. As outlined in Section 33 05 23 of these Specifications.

2.5 FIRE EXTINGUISHERS

- A. Provide and maintain not less than two fire extinguishers, multi-purpose dry chemical type with UL rating of 4A-60 B:C, 10-pound capacity, Amerex Model ABC, or equal, enclosed in suitable protecting cabinets and conveniently located for proper protection.

2.6 CONSTRUCTION LAYOUT

- A. The Contractor shall furnish construction stakes required for layout and staking of the project.
- B. The Contractor shall provide personnel, equipment, and material to perform layout and staking and to establish supplementary benchmarks.

PART 3 - EXECUTION

3.1 MAINTENANCE AND REMOVAL

- A. Maintain temporary facilities and controls as long as needed for safe and proper completion of the Work.

TEMPORARY FACILITIES AND CONTROLS
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- B. Remove such temporary facilities and controls as rapidly as progress of the Work will permit, or as directed by the Engineer.

3.2 DUST AND MUD CONTROL

- A. Take necessary precautions to control dust and mud associated with the Work, subject to the approval of the Engineer.
 - 1. In dry weather, spray dusty areas daily with water in order to control dust.
 - 2. Apply calcium chloride having a minimum chemical content of 77 percent calcium chloride at an application rate of 3 pounds per square yard of surface covered at locations as directed by the Engineer.
- B. Take necessary steps to prevent the tracking of mud onto adjacent streets and highways.
 - 1. Wash mud resulting from the construction traffic off the adjacent streets and highways.
 - 2. Clean all permanent roadways used for construction activities by using motorized street sweeper that utilizes vacuum and water to pick up debris, when directed by Engineer.

3.3 TRAFFIC CONTROL

- A. Protect and maintain traffic by the proper use of barricades, warning lights, flares, and necessary traffic control and safety devices, conforming to federal, state, and local regulations regarding their use.
- B. Use forms of traffic control on public roadways required by the construction operations in accordance with the "Manual on Uniform Traffic Control Devices for Streets and Highways", Articles 107.09 and 107.14 of the IDOT "Standard Specifications", and the "Highway Standards".
- C. Unless the Contractor has obtained written permission from the Engineer to temporarily close any street, alley, or other traveled way, keep such traveled way open to traffic on the existing pavement.
- D. Maintain alternating one-way traffic from opposing directions during working hours. At all other times, provide sufficient width within existing shoulders or curbs to permit one lane of traffic in each direction.
- E. Ensure that all barricades, warning signs, lights, and other devices are operational 24 hours each day, including Sundays and holidays, during the time the contract is in force.
 - 1. In the event of severe weather conditions, provide any additional personnel necessary to properly maintain all traffic control devices.
- F. At the preconstruction meeting, furnish the name of the individual in the Contractor's direct employ who is to be responsible for the installation and maintenance of the traffic control for this project.

TEMPORARY FACILITIES AND CONTROLS

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1. If the actual installation and maintenance are to be accomplished by a Subcontractor, obtain the Engineer's consent at the time of the preconstruction meeting.
 2. The Owner will provide the Contractor with the name of its representative who will be responsible for the administration of the traffic control plan.
- G. Provide access to private driveways at all times except during pipeline installation across a driveway.
1. Keep driveway closure times to an absolute minimum.
 2. Warn homeowners 24 hours in advance of a driveway closure, and again just prior to closing to allow homeowners to move their vehicles.
 3. Maintain access for emergency vehicles at all times.
- H. Provide access to commercial or industrial driveways at all times except during pipeline installation across a driveway.
1. Keep driveway closure times to an absolute minimum.
 2. If two driveway entrances exist, keep one driveway open at all times.
 3. Establish schedule for driveway closures with commercial or industrial establishments that will not obstruct passage of employees or customers during heavy use period.
 4. Maintain access for emergency vehicles at all times.
- I. The costs for traffic control will be considered incidental to the Contract and no additional compensation will be allowed.

3.4 SECURITY

- A. Take whatever measures are necessary to protect the safety of the public, workmen, and materials.
1. Provide inspection of work area daily.
 2. Provide the security of the site, both day and night.

3.5 RIGHT-OF-WAY AND PROPERTY LINE CONTROL

- A. Protect all right-of-way markers, property line iron pins, and easement iron pins during construction.
1. Flag such control points prior to construction, and protect the points during the course of construction.
- B. Establish tie-down control for any right-of-way markers or iron pins that may be lost or damaged during the work.
- C. Re-establish any right-of-way markers or iron pins that are lost or damaged during construction, after completion of restoration work.
- D. Provide the services of a Registered Land Surveyor for replacement of lost markers and pins.

TEMPORARY FACILITIES AND CONTROLS

01 50 00-5 (ARLHT 2401308.00)

1. The cost for this work will be considered incidental to the Contract, and no additional compensation will be allowed.

3.6 CONSTRUCTION LAYOUT AND STAKING

- A. The Contractor shall place construction layout stakes for this project. The Owner will provide adequate reference points and benchmarks. Any additional control points set by the Owner will be identified in the field to the Contractor and all field notes will be maintained by the Owner.
- B. The Contractor shall establish offset stakes, reference points, and any other horizontal or vertical controls, including supplementary benchmarks necessary to secure a correct layout of the Work.
 1. Stakes shall be set at sufficient intervals to assure construction in conformance with the Drawings.
 2. The Contractor will not be required to set additional stakes to locate a utility line which is not included as a Pay Item in the contract or to determine property lines between private properties.
- C. The Contractor shall be responsible for having the finished work conform to the lines, grades, elevations, and dimensions shown on the Drawings.
 1. Any inspection or checking of the Contractor's layout by the Engineer and the acceptance of all or any part of the layout shall not relieve the Contractor of his/her responsibility to secure the proper dimensions, grades, and elevations of the several parts of the Work.
 2. The Contractor shall exercise care in the preservation of stakes and benchmarks and shall have them reset when any are damaged, lost, displaced, removed, or otherwise obliterated.
- D. Responsibility of the Contractor:
 1. The Contractor shall establish control points necessary to construct the individual project elements.
 2. The Contractor shall locate right-of-way and easement points. The Contractor shall set all line stakes for the construction of fences by the Contractor.
 3. All work shall be according to normally accepted self-checking surveying practices.
 - a. Field notes shall be kept in standard survey field notebooks and those books shall become the property of the Owner at the completion of the project.
 - b. All notes shall be neat, orderly, and in accepted form.

END OF SECTION

TEMPORARY FACILITIES AND CONTROLS
01 50 00-6 (ARLHT 2401308.00)

SECTION 01 66 11

STORAGE AND PROTECTION OF MATERIAL AND EQUIPMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. Protect products scheduled for use in the Work by means including, but not necessarily limited to, those described in this Section.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to the Contract Documents and Division 01 - General Requirements of these Specifications.
 - 2. Additional procedures also may be prescribed in other Sections of these Specifications.
- C. References – (Reserved).

1.2 SUBMITTALS – (Reserved).

1.3 QUALITY ASSURANCE – (Reserved).

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Comply with the requirements of this Section for off-site storage.
 - 1. The Engineer reserves the right to visit and observe the off-site storage areas.
- B. Store equipment and materials in accordance with the manufacturer's instructions.
- C. Provide temporary weathertight enclosures to protect products from damage by the elements.

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

1.7 MANUFACTURERS' RECOMMENDATIONS

- A. Except as otherwise approved by the Engineer, determine and comply with manufacturers' recommendations on product handling, storage, and protection.

1.8 PACKAGING

- A. Deliver products to the job site in their manufacturer's original container, with labels intact and legible.

STORAGE AND PROTECTION OF MATERIAL & EQUIPMENT
01 66 11-1 (ARLHT 2401308.00)

1. Maintain packaged materials with seals unbroken and labels intact until time of use.
 2. Promptly remove damaged material and unsuitable items from the job site, and promptly replace with material meeting the specified requirements, at no additional cost to the Owner.
- B. The Engineer may reject as non-complying such material and products that do not bear identification satisfactory to the Engineer as to manufacturer, grade, quality, and other pertinent information.

1.9 REPAIRS AND REPLACEMENTS

- A. In event of damage, promptly make replacements and repairs to the approval of the Engineer and at no additional cost to the Owner.
- B. Additional time required to secure replacements and to make repairs will not be considered by the Engineer to justify an extension in the Contract Time of Completion.

END OF SECTION

SECTION 01 74 26

PIPELINE CONSTRUCTION SITE CLEANING

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section describes requirements for maintaining cleanliness on underground pipeline construction projects.
 - 1. Throughout the construction period, maintain the site at a standard of cleanliness as described in this Section.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents, and Division 01 - General Requirements of these Specifications.
 - 2. In addition to standards described in this Section, comply with requirements for cleaning as described in other pertinent Sections of these Specifications.
- C. References – (Reserved).

1.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).

1.3 QUALITY ASSURANCE

- A. Conduct daily inspections, and more often if necessary, to verify that requirements for cleanliness are being met.
- B. In addition to the standards described in this Section, comply with pertinent requirements of governmental agencies having jurisdiction.

1.4 DELIVERY, STORAGE, AND HANDLING – (Reserved).

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

PART 2 - PRODUCTS

2.1 CLEANING MATERIALS AND EQUIPMENT

- A. Provide required personnel, equipment, and materials needed to maintain the specified standard of cleanliness.

2.2 COMPATIBILITY

- A. Use only the cleaning materials and equipment which are compatible with the surface being cleaned, and also capable of providing the cleanliness required.

PART 3 - EXECUTION

3.1 PROGRESS CLEANING

- A. General:
 - 1. Retain stored items in an orderly arrangement allowing maximum access, not impeding traffic or drainage, and providing required protection of materials.
 - 2. Do not allow accumulation of scrap, debris, waste material, and other items not required for construction of this Work.
 - 3. At least twice each month, and more often if necessary, completely remove all scrap, debris, and waste material from the job site.
 - 4. Provide adequate storage for all items awaiting removal from the job site, observing requirements for fire protection and protection of the environment.
 - 5. Daily, and more often if necessary, inspect the site and pick up all scrap, debris, and waste material. Remove such items to the place designated for their storage.
 - 6. Weekly, and more often if necessary, inspect all arrangements of materials stored on the site. Restack, tidy, or otherwise service arrangements to meet the requirements of Paragraph 3.1 A. 1. above.
 - 7. Maintain the site in a neat and orderly condition at all times.
- B. Daily Cleaning:
 - 1. Take necessary steps to prevent tracking of mud onto adjacent streets, highways, driveways, sidewalks, and other paved areas.
 - a. Wash mud resulting from construction traffic off of adjacent pavements.
 - b. Provide a vacuum/washer/sweeper combination machine to clean pavements on a regular basis, and when requested by the Engineer.

3.2 FINAL CLEANING

- A. "Clean", for the purpose of this Article, and except as may be specifically provided otherwise, shall be interpreted as meaning the level of cleanliness generally provided by skilled cleaners using commercial quality maintenance equipment and materials.
- B. Prior to completion of the Work, remove from the job site all tools, surplus materials, equipment, scrap, debris, and waste. Conduct final progress cleaning as described in Paragraph 3.1 above.
- C. Unless otherwise specifically directed by the Engineer, broom and wash clean paved areas on the site and public paved areas adjacent to the site.
 - 1. Completely remove resultant debris.
 - 2. Provide vacuum/washer/sweeper combination machine if requested by the Engineer.
- D. Schedule final cleaning as approved by the Engineer to enable the Owner to accept a completely clean Work.

END OF SECTION

SECTION 01 77 01
CONTRACT CLOSEOUT

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section describes an orderly and efficient transfer of the completed Work to the Owner.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions and Instructions to Bidders, the Contract Documents and Division 01 - General Requirements of these Specifications.
 - 2. Activities relative to Substantial Completion and Contract closeout are described in the General Conditions and Instructions to Bidders.
- C. References – (Reserved).

1.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).

1.3 QUALITY ASSURANCE

- A. Prior to requesting that the Engineer issue a certificate of Substantial Completion, use adequate means to assure that the Work is completed in accordance with the specified requirements and is ready for a joint inspection by Owner, Contractor, and Engineer.

1.4 DELIVERY, STORAGE, AND HANDLING – (Reserved).

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

1.7 PROCEDURES

- A. Substantial Completion:
1. Prepare and submit a written request that Engineer issue a certificate of Substantial Completion.
 2. Within a reasonable time after receipt of the request, Owner, Contractor and Engineer will jointly inspect the Work to determine status of completion.
 3. Should the Engineer determine that the Work is not substantially complete:
 - a. The Engineer will so notify the Contractor, in writing, giving the reasons therefore.
 - b. Remedy the deficiencies and notify the Engineer when ready for reinspection.
 - c. Owner, Contractor and Engineer will reinspect the Work.
 4. When the Engineer concurs that the Work is substantially complete:
 - a. The Engineer will prepare a tentative "Certificate of Substantial Completion," accompanied by the Contractor's list of items to be completed or corrected, as verified by the Engineer.
 - b. The Engineer will submit the tentative Certificate to the Contractor for acceptance.
 - c. After Contractor signs and returns the tentative Certificate to Engineer, Engineer will submit the tentative Certificate to Owner accompanied by a tentative list of items to be completed or corrected before final payment.
 - d. Owner will have seven days after receipt of the tentative Certificate during which to make objection to Engineer as to any provisions of the Certificate on attached list.
 - (1) If Owner objects, Engineer will consider Owner's objections. If, after considering Owner's objections, Engineer concludes that the Work is not substantially complete, Engineer will, within fourteen days after submission of the tentative Certificate to Owner, notify Contractor in writing, stating reasons therefore. If, after considering Owner's objections, Engineer considers the Work substantially complete, Engineer will within said fourteen days execute and deliver to Owner and Contractor, a definitive Certificate of Substantial Completion (with a revised tentative list of items to be completed or corrected) reflecting such changes from the tentative Certificate as Engineer believes justified after consideration of any objections of Owner.
 - (2) If Owner has no objections, Engineer will within fourteen days after submission of the tentative Certificate to Owner and Contractor issue a definitive Certificate of Substantial Completion.
 - e. At the time of delivery of the tentative Certificate of Substantial Completion, Engineer will deliver to Owner and Contractor a written recommendation as to division of responsibilities pending final payment between Owner and Contractor with respect to security, operation, safety, maintenance, heat, utilities, insurance,

warranties, and guarantees. Unless Owner or Contractor advise the Engineer in writing of any objections within seven days after delivery of the tentative Certificate of Substantial Completion, the Engineer's aforesaid recommendation will be binding on Owner and Contractor until final payment.

B. Final Completion:

1. Prepare and submit the notice required by Paragraph 12.06 of the General Conditions and Instructions to Bidders.
2. Verify that the Work is complete.
3. Certify that:
 - a. Contract Documents have been reviewed.
 - b. Work has been inspected for compliance with the Contract Documents.
 - c. Work has been completed in accordance with the Contract Documents.
 - d. Equipment and systems have been tested as required, and are operational.
 - e. Work is completed and ready for final inspection.
4. Owner, Contractor, and Engineer will make a joint inspection to verify status of completion.
5. Should the Engineer determine that the Work is incomplete or defective:
 - a. The Engineer will so notify the Contractor, in writing, listing the incomplete or defective work.
 - b. The Contractor will remedy the deficiencies promptly, and notify the Engineer when ready for reinspection.
6. When the Engineer determines that the Work is acceptable under the Contract Documents, he will request the Contractor to make closeout submittals.

C. Closeout submittals include, but are not necessarily limited to:

1. Project Record Documents described in Section 01 78 39.
2. Warranties and bonds.
3. Evidence of payment and release of liens.
4. List of subcontractors, service organizations, and principal vendors, including names, addresses, and telephone numbers where they can be reached for emergency service at all times including nights, weekends, and holidays.

D. Final adjustment of accounts:

1. Submit a final statement of accounting to the Engineer, showing all adjustments to the Contract Price.
2. If so required, the Engineer will prepare a final Change Order showing adjustments to the Contract Price which have not been made by previous Change Orders.

END OF SECTION

CONTRACT CLOSEOUT
01 77 01-3 (ARLHT 2401308.00)

SECTION 01 78 39

PROJECT RECORD DOCUMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Throughout progress of the Work, maintain an accurate record of changes in the Contract Documents, as described in Paragraph 3.1 below and, upon completion of the Work, submit the recorded changes as described in Paragraph 3.2 below.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents, and Division 01 - General Requirements of these Specifications.
 - 2. Other requirements affecting Project Record Documents may appear in pertinent other Sections of these Specifications.
- C. References – (Reserved).

1.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).
- E. Comply with pertinent provisions of Section 01 33 01.
- F. The Engineer's approval of the current status of Project Record Documents may be a prerequisite to the Engineer's approval of requests for progress payment and request for final payment under the Contract.
- G. Prior to submitting each request for progress payment, secure the Engineer's approval of the current status of the Project Record Documents.
- H. Prior to submitting request for final payment, submit the final Project Record Documents to the Engineer and secure his approval.

1.3 QUALITY ASSURANCE

- A. Delegate the responsibility for maintenance of Record Documents to one person on the Contractor's staff as approved by the Engineer.

PROJECT RECORD DOCUMENTS
01 78 39-1 (ARLHT 2401308.00)

- B. Accuracy of records:
 - 1. Thoroughly coordinate changes within the Record Documents, making adequate and proper entries on each page of Specifications and each sheet of Drawings and other Documents where such entry is required to show the change properly.
 - 2. Accuracy of records shall be such that future search for items shown in the Contract Documents may rely reasonably on information obtained from the approved Project Record Documents.
- C. Make entries within 24 hours after receipt of information that the change has occurred.
- D. Do not conceal any work until the required information is recorded.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Maintain the job set of Record Documents completely protected from deterioration and from loss and damage until completion of the Work and transfer of all recorded data to the final Project Record Documents.
- B. In the event of loss of recorded data, use means necessary to again secure the data to the Engineer's approval.
 - 1. Such means shall include, if necessary in the opinion of the Engineer, removal and replacement of concealing materials.
 - 2. In such case, provide replacements to the standards originally required by the Contract Documents.

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

PART 2 - PRODUCTS

2.1 RECORD DOCUMENTS

- A. Job set: Promptly following receipt of the Owner's Notice to Proceed, secure from the Engineer at no charge to the Contractor one complete set of all Documents comprising the Contract.

PART 3 - EXECUTION

3.1 MAINTENANCE OF JOB SET

- A. Immediately upon receipt of the job set described in Paragraph 2.1 A. above, identify each of the Documents with the title, "RECORD DOCUMENTS - JOB SET".
- B. Preservation:
 - 1. Considering the Contract completion time, the probable number of occasions upon which the job set must be taken out for new entries and for examination, and the conditions under which these activities will be performed, devise a suitable method for protecting the job set.
 - 2. Do not use the job set for any purpose except entry of new data and for review by the Engineer.
 - 3. Maintain the job set at the site of Work where designated by the Engineer.
- C. Making entries on Drawings:
 - 1. Using an erasable colored pencil (not ink or indelible pencil), clearly describe the change by graphic line and note as required.
 - 2. Date all entries.
 - 3. Call attention to the entry by a "cloud" drawn around the area or areas affected.
 - 4. In the event of overlapping changes, use different colors for the overlapping changes.
- D. Make entries in the pertinent other Documents as approved by the Engineer.

3.2 REVIEW AND SUBMITTAL

- A. Submit the completed set of Project Record Documents to the Engineer as described in Paragraph 1.2 H. above.
- B. Participate in review meetings as required.
- C. Make required changes and promptly deliver the final Project Record Documents to the Engineer.

3.3 CHANGES SUBSEQUENT TO ACCEPTANCE

- A. The Contractor has no responsibility for recording changes in the Work subsequent to Final Completion, except for changes resulting from work performed under Warranty.

END OF SECTION

PROJECT RECORD DOCUMENTS
01 78 39-3 (ARLHT 2401308.00)



SMC	LOCATION SKETCH	
	SOIL AND MATERIAL CONSULTANTS, INC.	
Client:	BAXTER & WOODMAN, INC.	
Project:	2025 WATER MAIN REPLACEMENT	
Location:	ARLINGTON HEIGHTS, ILLINOIS	
File No.	28377	Date: 12-19-24 Scale: NONE



SOIL BORING LOG B-1

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

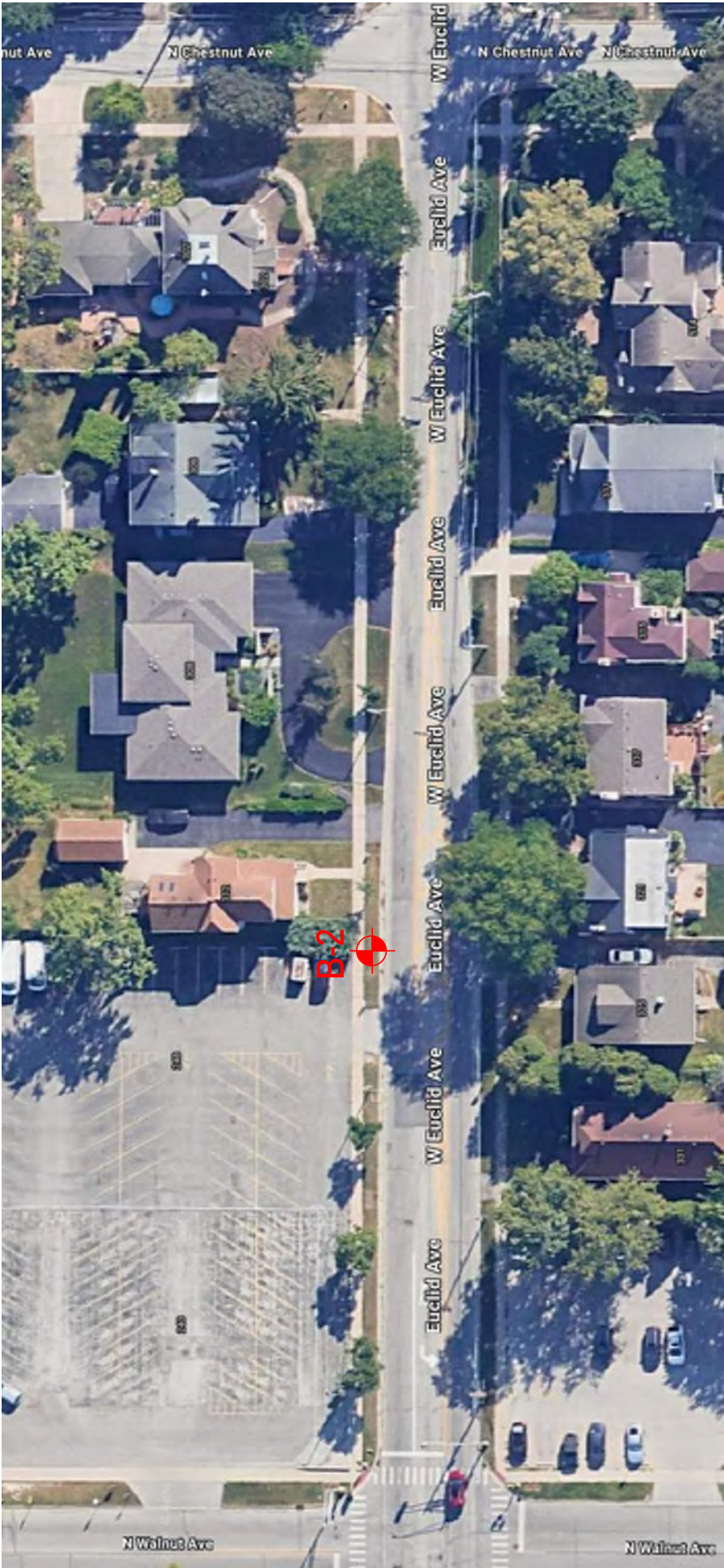
Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					X standard penetration "N", blows/ft. Δ moisture content, %			
	Elevation Existing Surface					10	20	30	40
	Wood Chips								
1	Black silt, some clay, trace sand, roots & gravel, damp, very loose - Fill 								
2									
3		3	29.4			X		Δ	
4									
5	Dark brown-dark gray to brown-gray clay, some silt, trace sand & gravel, damp, very tough to hard	6	27.8	96.9	1.5	X	○	●	Δ
6									
7									
8		12	23.9	110.7	2.7		X	Δ	●
9									
10									
16	End of Boring	16	18.0	121.9	3.6		X	Δ	○

Water encountered at 1.0 feet during drilling operations (W.D.)
Water recorded at 1.0 feet on completion of drilling operations (A.D.)
Water recorded at 1.0 feet 24 hours after completion of drilling operations (A.D.)



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	BAXTER & WOODMAN, INC.		
Project:	2025 WATER MAIN REPLACEMENT		
Location:	ARLINGTON HEIGHTS, ILLINOIS		
File No.	28377	Date: 12-19-24	Scale: NONE

SOIL BORING LOG B-2

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

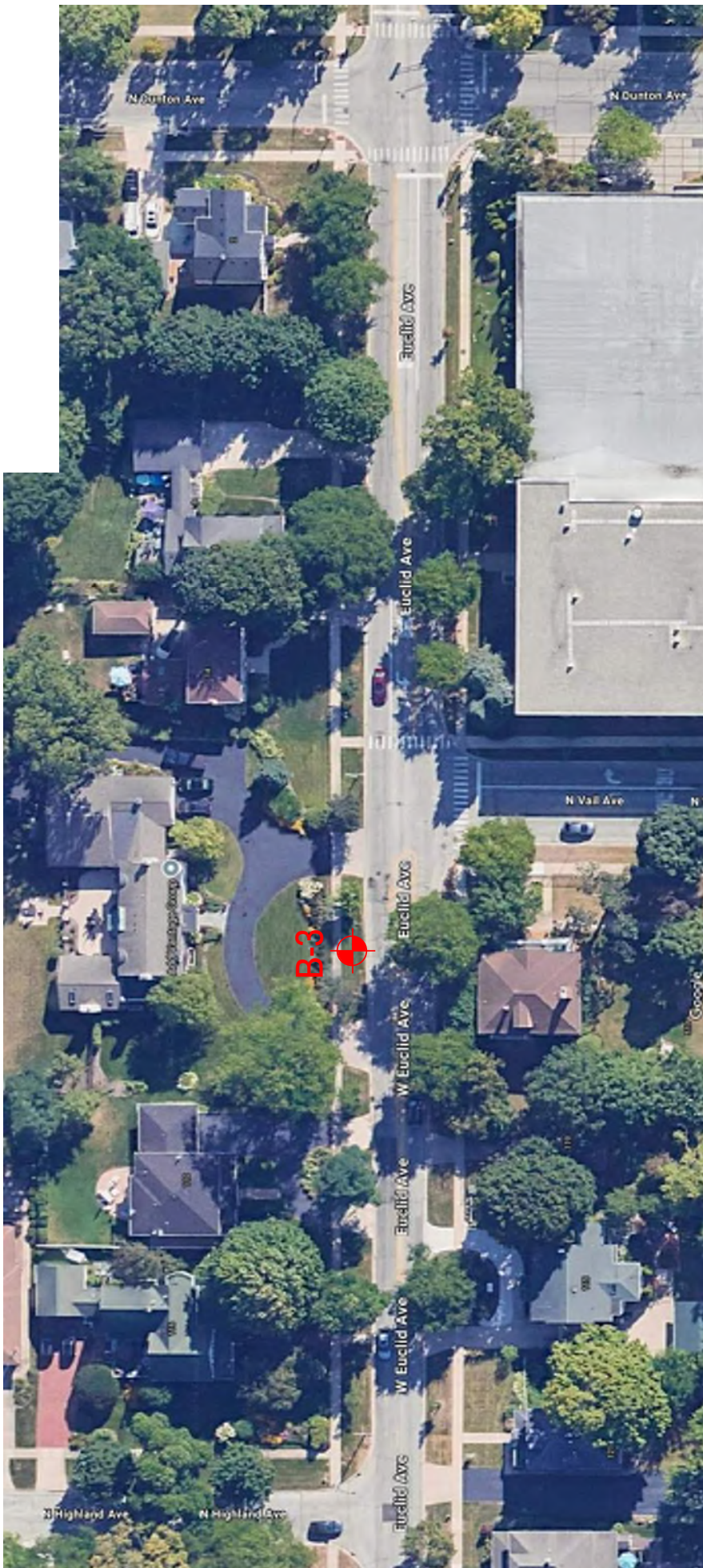
Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× △			
	Elevation Existing Surface					10	20	30	40
1	Black silt, some clay, trace sand & roots, damp (topsoil)		35.0						
2	Brown-gray to brown clay, some silt, trace sand & gravel, damp, very tough to hard	8	25.7	93.3	2.3	×		△	
3									
4									
5		11	8.7	122.5	2.3	△	×	○	●
6									
7									
8		11	16.1	120.4	3.5	×	△	○	●
9									
10	End of Boring	18	18.8	109.9	5.0		×		○

Water encountered at **dry** feet during drilling operations (W.D.)
 Water recorded at **dry** feet on completion of drilling operations (A.D.)
 Dry cave-in at **6.5** feet **24** hours after completion of drilling operations (A.D.)



SMC	SOIL AND MATERIAL CONSULTANTS, INC.		LOCATION SKETCH
	Client:	BAXTER & WOODMAN, INC.	
	Project:	2025 WATER MAIN REPLACEMENT	
	Location:	ARLINGTON HEIGHTS, ILLINOIS	
File No.	28377	Date:	12-19-24
		Scale:	NONE

SOIL BORING LOG B-3

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× standard penetration "N", blows/ft. △ moisture content, %			
	Elevation Existing Surface					10	20	30	40
1	Black silt, some clay, trace sand, roots & gravel, damp, loose - Fill	6	31.7						
2									
3						×		△	
4	Brown-gray clay, some silt, trace sand, damp, very tough	7	20.4	108.4	2.8				
5						×		△ ● ○	
6									
7	Brown-gray clay, some silt, trace sand, damp, tough	6	27.2	95.3	1.6				
8						×	●	△	
9									
10	Brown clay, some silt, trace sand & gravel, damp, hard	20	17.4	114.8	6.9				
	End of Boring								
									6.9

Water encountered at **dry** feet during drilling operations (W.D.)
 Water recorded at **dry** feet on completion of drilling operations (A.D.)
 Wet cave-in at **7.5** feet **24** hours after completion of drilling operations (A.D.)



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	BAXTER & WOODMAN, INC.		
Project:	2025 WATER MAIN REPLACEMENT		
Location:	ARLINGTON HEIGHTS, ILLINOIS		
File No.	28377	Date: 12-19-24	Scale: NONE

SOIL BORING LOG B-4

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

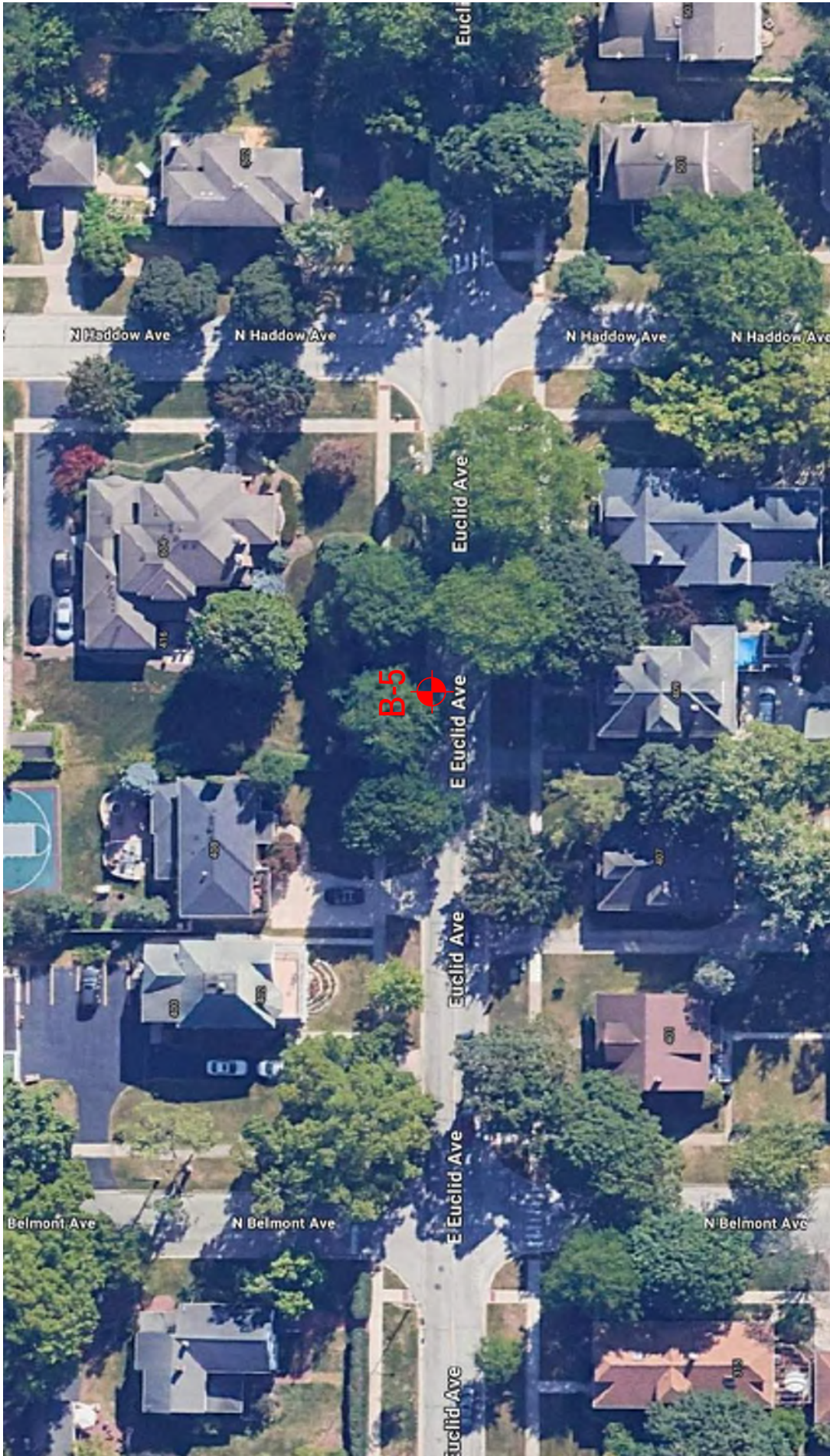
File No. 28377

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× △			
	Elevation Existing Surface					10	20	30	40
	Bituminous concrete - 8.0"								
1	Sand & Gravel - Fill								
2	Brown clay, some silt, trace sand & gravel, damp, hard								
3		11	17.3	116.2	5.4	×	△		5.4 ○
4									
5		16	16.5	116.7	4.8		×		4.8 ○
6									
7	Brown silt, some clay, trace sand, damp, loose to medium dense								
8		7	19.3			×		△	
9									
10									
	End of Boring	15	15.2				×		



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	BAXTER & WOODMAN, INC.		
Project:	2025 WATER MAIN REPLACEMENT		
Location:	ARLINGTON HEIGHTS, ILLINOIS		
File No.	28377	Date: 12-19-24	Scale: NONE

SOIL BORING LOG B-5

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

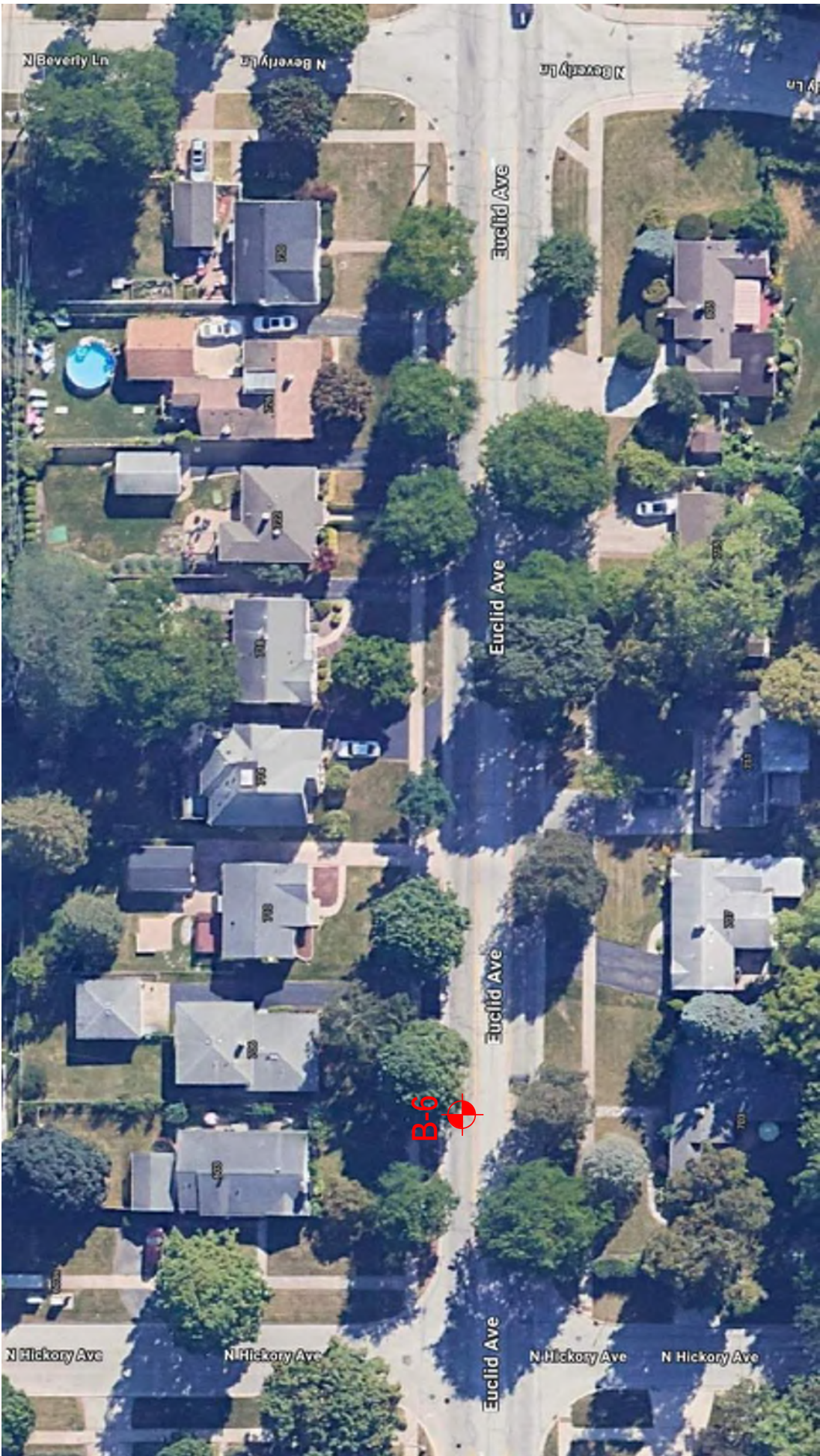
depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× △ standard penetration "N", blows/ft. moisture content, % 10 20 30 40			
	Elevation Existing Surface								
	Bituminous concrete								
	Crushed gravel - Fill								
1									
	Brown-gray clay, some silt, trace sand & gravel, damp, very tough								
2									
	Brown silt, some clay, trace sand & gravel damp, medium dense	6	19.2	115.3	2.0	×	△	●	
3									
4									
5		12	14.5				×	△	
6	Brown silt, trace clay & sand, very damp, medium-dense								
7									
8		10	20.5				×	△	
9									
	Brown silt, some clay & sand, damp, medium-dense								
10		22	17.7					△	×

End of Boring

Water encountered at
Water recorded at
Water recorded at

dry
dry

feet during drilling operations (W.D.)
feet on completion of drilling operations (A.D.)
feet hours after completion of drilling operations (A.D.)



SMC	SOIL AND MATERIAL CONSULTANTS, INC.		LOCATION SKETCH
	Client:	BAXTER & WOODMAN, INC.	
	Project:	2025 WATER MAIN REPLACEMENT	
	Location:	ARLINGTON HEIGHTS, ILLINOIS	
File No. 28377		Date: 12-19-24	Scale: NONE

SOIL BORING LOG B-6

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					X standard penetration "N", blows/ft. Δ moisture content, % 10 20 30 40			
	Elevation Existing Surface								
	Bituminous concrete - 8.0"								
1	Crushed limestone								
2	Black silt, some clay, trace sand, damp (topsoil)	21	39.4					X	Δ
3	Brown-gray clay, some silt, trace sand, damp								
			20.5					Δ	
4	Brown-gray fine sand & silt, damp, loose								
5		6	15.3			X	Δ		
6	Brown clay & silt, trace sand & gravel, damp, very tough								
7									
8	Brown clay, some silt, trace sand & gravel, damp, hard	11	17.9	117.7	2.6	X	Δ	●	
9	Gray clay, some silt, trace sand & gravel, damp, very tough		18.1	118.2	4.1		Δ		○
10		12	22.9	104.3	3.7	X	Δ	●	○

End of Boring

Water encountered at
Water recorded at
Water recorded at

dry feet during drilling operations (W.D.)
dry feet on completion of drilling operations (A.D.)
feet hours after completion of drilling operations (A.D.)



SMC	SOIL AND MATERIAL CONSULTANTS, INC.		LOCATION SKETCH
	Client:	BAXTER & WOODMAN, INC.	
	Project:	2025 WATER MAIN REPLACEMENT	
	Location:	ARLINGTON HEIGHTS, ILLINOIS	
File No.		28377	Date: 12-19-24
		Scale: NONE	



Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Equipment:	☒ D - 25	☐ D - 50	☐ Hand Auger	☐ Other
------------	--	---------------------------------	-------------------------------------	--------------------------------

Elevation Existing Surface

Logged By: CS Page: 1 of 1

File No. 28377 **Date Drilled:** 12/19/24

End of Boring

Water encountered at	dry	feet during drilling operations (W.D.)
Water recorded at	dry	feet on completion of drilling operations (A.D.)
Water recorded at		feet hours after completion of drilling operations (A.D.)



SMC

SOIL AND MATERIAL
CONSULTANTS, INC.

LOCATION
SKETCH

Client:

BAXTER & WOODMAN, INC.

Project:

2025 WATER MAIN REPLACEMENT

Location:

ARLINGTON HEIGHTS, ILLINOIS

File No.

28377

Date:

12-19-24

Scale:

NONE

SOIL BORING LOG B-8

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× standard penetration "N", blows/ft. △ moisture content, %			
	Elevation Existing Surface					10	20	30	40
1	Black silt, some clay, trace sand & roots, damp (topsoil)		24.7					△	
2	Brown silt, some clay, trace fine sand, damp, very loose	3	32.6			×		△	
3									
4									
5	Brown fine sand, some medium-coarse sand & gravel, damp, loose	9	10.9			×	△		
6									
7									
8		9	9.8			×	△		
9	Brown fine sand & gravel, some medium-coarse sand, damp, medium dense								
10									
11									
12									
13	End of Boring	13	8.0			△	×		

Water encountered at **dry** feet during drilling operations (W.D.)
 Water recorded at **dry** feet on completion of drilling operations (A.D.)
 Dry cave-in at **9.0** feet **24** hours after completion of drilling operations (A.D.)



SMC

SOIL AND MATERIAL
CONSULTANTS, INC.

LOCATION
SKETCH

Client:

BAXTER & WOODMAN, INC.

Project:

2025 WATER MAIN REPLACEMENT

Location:

ARLINGTON HEIGHTS, ILLINOIS

File No.

28377

Date:

12-19-24

Scale:

NONE

SOIL BORING LOG B-9

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					X standard penetration "N", blows/ft. Δ moisture content, % 10 20 30 40			
	Elevation Existing Surface								
1	Black-dark brown silt, some clay, trace sand, roots & gravel, damp, very loose - Fill	2	25.2						
2									
3						X		Δ	
4	Brown-gray clay, some silt, trace sand, damp, tough	7	27.5	95.5	1.4				
5						X	○	●	Δ
6									
7	Brown-gray silt, some clay & fine sand, very damp, loose	4	22.9						
8						X		Δ	
9									
10	Brown-gray silt, trace fine sand, damp, medium dense	13	18.7						
	End of Boring					X	Δ		

Water encountered at
Water recorded at
Water recorded at

dry feet during drilling operations (W.D.)
dry feet on completion of drilling operations (A.D.)
8.0 feet 24 hours after completion of drilling operations (A.D.)



SMC

SOIL AND MATERIAL
CONSULTANTS, INC.

LOCATION
SKETCH

Client:

BAXTER & WOODMAN, INC.

Project:

2025 WATER MAIN REPLACEMENT

Location:

ARLINGTON HEIGHTS, ILLINOIS

File No.

28377

Date:

12-19-24

Scale:

NONE

Client: Baxter & Woodman, Inc.

File No. 28377

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× standard penetration "N", blows/ft. △ moisture content, %			
	Elevation Existing Surface					10	20	30	40
1	Black-dark brown silt, some clay, trace sand, roots & gravel, damp (topsoil) - Fill		26.7					△	
2	Brown silt, some clay, trace sand, damp, loose to medium dense	8	19.6			×	△		
3									
4									
5		10	20.7			×	△		
6	Brown silt & fine sand, damp, loose								
7									
8	Gray silt, some clay, trace sand, damp, medium dense	8	17.7			×	△		
9									
10	Brown fine sand & gravel, some medium-coarse sand, damp, medium dense	18	8.7			△	×		

End of Boring

Water encountered at **dry** feet during drilling operations (W.D.)
Water recorded at **dry** feet on completion of drilling operations (A.D.)
Dry cave-in at **9.0** feet **24** hours after completion of drilling operations (A.D.)



SMC	SOIL AND MATERIAL CONSULTANTS, INC.		LOCATION SKETCH
	Client:	BAXTER & WOODMAN, INC.	
	Project:	2025 WATER MAIN REPLACEMENT	
	Location:	ARLINGTON HEIGHTS, ILLINOIS	
File No.	28377	Date: 12-19-24	Scale: NONE

SOIL BORING LOG B-11

Logged By: CS

Page: 1 of 1

Client: Baxter & Woodman, Inc.

File No. 28377

Date Drilled: 12/19/24

Reference: 2025 Water Main Replacement
Arlington Heights, Illinois

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					X standard penetration "N", blows/ft. Δ moisture content, % 10 20 30 40			
	Elevation Existing Surface								
1	Black silt, some clay, trace sand, gravel & roots, damp (topsoil) - Fill (small seam of crushed limestone @ 1.5')		20.5					Δ	
2	Brown-gray clay, some silt, trace sand & gravel, damp, tough	5	27.3	95.1	1.6	X	●	Δ	
3									
4	Gray-brown silt, some clay, trace fine sand & root matter, damp, loose	4	22.1			X		Δ	
5									
6	Gray silt, trace clay, fine sand & root matter, very damp, loose								
7									
8		6	20.3			X		Δ	
9									
10	Gray fine sand, saturated, loose	8	24.1			X		Δ	

End of Boring

Water encountered at 9.0 feet during drilling operations (W.D.)
 Water recorded at 9.0 feet on completion of drilling operations (A.D.)
 Water recorded at 7.5 feet 24 hours after completion of drilling operations (A.D.)

GENERAL NOTES

SAMPLE CLASSIFICATION

Soil sample classification is based on the Unified Soil Classification System, the Standard Practice for Description and Identification Soils (Visual-Manual Procedure), ASTM D-2488, the Standard Test Method for Classification of Soils for Engineering Purposes, ASTM D-2487 (when applicable), and the modifiers noted below.

CONSISTENCY OF COHESIVE SOILS

Term	Qu-tons/sq.ft.	N (unreliable)
Very soft	0.00 – 0.25	0 – 2
Soft	0.26 – 0.49	3 – 4
Stiff	0.50 – 0.99	5 – 8
Tough	1.00 – 1.99	9 – 15
Very Tough	2.00 – 3.99	16 – 30
Hard	4.00 – 7.99	30 +
Very Hard	8.00 +	

RELATIVE DENSITY OF GRANULAR SOILS

Term	N – blows/foot
Very Loose	0 – 4
Loose	5 – 9
Medium Dense	10 – 29
Dense	30 – 49
Very Dense	50 +

IDENTIFICATION AND TERMINOLOGY

Term	Size Range
Boulder	over 8 in.
Cobble	3 in. to 8 in.
Gravel - coarse	1 in. to 3 in.
- medium	3/8 in. to 1 in.
- fine	#4 sieve to 3/8 in.
Sand - coarse	#10 sieve to #4 sieve
- medium	#40 sieve to #10 sieve
- fine	#200 sieve to #40 sieve
Silt	0.002 mm to #200 sieve
Clay	smaller than 0.002mm
Modifying Term	Percent by Weight
Trace	1 – 10
Little	11 – 20
Some	21 – 35
And	36 – 50

Moisture Content

Dry
Damp
Very Damp
Saturated

DRILLING, SAMPLING & SOIL PROPERTY SYMBOLS

CF	- Continuous Flight Auger
HS	- Hollow Stem Auger
HA	- Hand Auger
RD	- Rotary Drilling
AX	- Rock Core, 1-3/16 in. diameter
BX	- Rock Core, 1-5/8 in. diameter
NX	- Rock Core, 2-1/8 in. diameter
S	- Sample Number
T	- Type of Sample
J	- Jar
AS	- Auger Sample
SS	- Split Spoon (2 in. O.D. with 1-3/8 in. I.D.)
ST	- Shelby Tube (2 in. O.D. with 1-7/8 in. I. D.)
R	- Recovery Length, in.
B	- Blows/6 in. interval, Standard Penetration Test (SPT)
N	- Blows/foot to drive 2 in. O.D. split-spoon sampler with 140 lb. hammer falling 30 in., (STP)
Pen.	- Pocket Penetrometer readings, tons/sq.ft.
W	- Water Content, % dry weight
Uw	- Dry Unit Weight of soil, lbs./cu.ft.
Qu	- Unconfined Compressive Strength, tons/sq.ft.
Str	- % Strain at Qu.
WL	- Water Level
WD	- While Drilling
AD	- After Drilling
DCI	- Dry Cave-in.
WCI	- Wet Cave-in.
LL	- Liquid Limit, %
PL	- Plastic Limit, %
PI	- Plasticity Index (LL-PL)
LI	- Liquidity Index [(W-PL)/PI]

SECTION 31 23 79

TRENCHING, BACKFILLING, AND COMPACTING

PART 1 - GENERAL

1.1 SUMMARY

- A. Trench, backfill, and compact as specified herein and as needed for installation of underground pipelines and utilities associated with the Work.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents and Division 01 - General Requirements of these Specifications.
- C. References – (Reserved).

1.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).

1.3 QUALITY ASSURANCE – (Reserved).

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Comply with pertinent provisions of Section 01 66 11.

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

PART 2 - PRODUCTS

2.1 GRANULAR PIPE BEDDING AND COVERING MATERIALS

- A. Provide well graded, washed, mixture of gravel or crushed stone aggregate free of clay, loam, dirt, calcareous or other foreign matter conforming to the IDOT "Standard Specifications" gradation No. CA-7 or CA-11.

1. For flexible thermoplastic pipes including sewer pipes, sewage force mains, and water mains: Comply with ASTM D2321, Class I or II as modified below.
 - a. Exclude sharp angular granular materials.
 - b. Do not use natural rounded or smooth stone or gravel (such as pea gravel or similarly rounded materials).
 - c. Do not use Class II materials in wet conditions.
2. For rigid pipes comply with ASTM C12, Bedding Class B.

2.2 EXCAVATED BACKFILL MATERIALS

- A. Provide soil materials free from organic matter, rubble, or frozen material, containing no rocks or lumps over 6 inches, and with not more than 15 percent of the rocks or lumps larger than 2 inches.

2.3 GRANULAR BACKFILL

- A. Provide either sand or granular material.
 1. Granular material: Use 100 percent crushed stone or gravel complying with the IDOT "Standard Specifications" gradation No. CA 6.

2.4 TEMPORARY AGGREGATE PAVEMENT MATERIAL

- A. Provide well graded, 100 percent crushed gravel or crushed stone aggregate free of clay, loam, dirt, calcareous or other foreign matter conforming to the IDOT "Standard Specifications" gradation No. CA 6.

2.5 GEOTEXTILE FABRIC

- A. Provide geotextile fabric for separation of granular material and native soil in areas where trench is over-excavated to remove unsuitable materials.
 1. Acceptable manufacturers:
 - a. Mirafi: 160N.
 - b. Synthetic Industries: 601.
 - c. Or equal.

2.6 GROUT FOR FILLING OF ABANDONED PIPES

- A. Cellular grout:
 1. Low density cellular concrete capable of being mixed on site and pumped into place through a 2-inch hose.
 2. Foaming agent complying with ASTM C869.
 3. Portland Cement: ASTM C150, Type I or Type II.
 4. Contents: cement, fly ash, water and foaming agent.
 5. Minimum net density: 80 pcf.
 6. Acceptable manufacturers:
 - a. Mearl Geofoam Liquid Concentrate.
 - b. Geofill-Lite by "MixOnSite".
 - c. Or equal.

- B. Plugs:
 1. Provide plug or cap designed and manufactured to be used with the pipe being abandoned.
 2. Plugs shall be compatible with 2-inch PVC pipes or other suitable construction methods to act as injection points or vents for flowable fill.

2.7 WATER MAIN REPAIR

- A. Repair water main or water services damaged during construction utilizing products of type and manufacturers as approved by the Owner.
- B. Pipe couplings for joining of sections of cut water main where a section of new pipe is used to replace a broken pipe.
 1. Acceptable manufacturers:
 - a. Dresser Style 38.
 - b. Smith-Blair CC-441.
 - c. Or equal.
- C. Repair clamps for broken or cracked pipe and sealing of existing corporation stop opening.
 1. Use full-circle single band all stainless steel clamps.
 2. Acceptable manufacturers:
 - a. Dresser Style 360.
 - b. Smith-Blair 200 Series.
 - c. Or equal.
 3. Replace damaged service corporation stops by installation of full-circle single band all stainless steel clamps, with service outlet, matching manufacturer's and styles used for repair of a cracked pipe.

2.8 DRAIN TILE REPLACEMENT

- A. Replacement pipe: New pipe of the same size. Match material or use new PVC SDR-26 pipe per ASTM D3034.
- B. Utilize flexible couplings with stainless steel bands for connecting new pipe to old pipe.
- C. Provide CA-6 aggregate for backfill material.

2.9 PIPE INSULATION

- A. Rigid Pipe Insulation:
 1. Provide extruded polystyrene sheathing conforming with ASTM C578, Type IV.
 2. Thickness: 2 inches.
 3. R-Value: 10.
 4. Water absorption: No greater than 0.10% by volume per ASTM C272.
 5. Acceptable product:

- a. Formular Rigid Foam Insulation, Owens-Corning.
- b. Or equal.

2.10 PIPE TRACER WIRE

- A. General:
 - 1. Provide wire to be used for electronic locating of PVC pipe installed by the open cut method.
 - 2. See Section 33 05 23.13 for tracer wire materials in HDD applications.
- B. Materials:
 - 1. Provide locating system components designed for compatibility to ensure end-to-end conductivity for detecting underground utilities.
 - a. Copperhead Complete Utility Locating System.
 - b. Or equal.
 - 2. Wire: Single Strand, single conductor, copper-clad steel, No. 12 AWG high strength, high carbon with min. 450 lb. break load, min. 30 mil. HDPE insulation thickness (1230B-HS) for direct bury installation; color coded per APWA Standards.
 - 3. Connectors: Single, three-way locking connectors (LSC1230C); Mainline to service connectors (3WB-01) and dielectric silicon sealant.
 - 4. Connect tracer wire to inside of valve vault walls with stainless steel grip clips.
 - 5. Provide 1.5 pound magnesium grounding anodes and 12-AWG wire.
 - 6. Tracer boxes: Provide for a direct connection to the tracer wire by utility locate transmitter manufactured for the application location; Identified with "WATER" on the cap and color coded per APWA Standards; Two terminal tracer wires to include a manually interruptible conductive/connective link between the terminal for the tracer wire connection and the terminal for the ground rod wire connection; External direct connection points to both tracer wire and ground rod on top of lid; Encapsulated magnet molded into the top portion of the box for detection by ferrous metal locator; Anti-corrosion wax/gel to protect wires.
 - a. Copperhead SnakePit Lite Duty XL or Concrete/Driveway Access Point.
 - b. Or approved equal.

2.13 PIPE DETECTION SYSTEM

- A. General:
 - 1. Provide multi-frequency, passive devices that produce a spherical RF field without floating or moving parts, or chemicals.
 - 2. Provide individual globular markers with industry standard frequencies that can be located by any electronic marker locating device.
 - 3. Provide marker colors meeting APWA color code: "blue" for water and "green" for sanitary sewer.
- B. Acceptable products:
 - 1. Omni Marker Electronic markers by Tempo/Progressive Electronics.

2. Or equal.

2.14 CASING PIPES – OPEN CUT INSTALLATION

- A. General:
 1. Provide casing pipes for protection of water or sewer piping where indicated on the Drawings.
- B. Materials:
 1. 160 psi – SDR 26 PVC pressure pipe complying with ASTM D-2241; or
 2. AWWA C-900 or C-905 PVC water main pipe; or
 3. ASTM A139, Grade A – 35,000 psi steel pipe.

PART 3 - EXECUTION

3.1 SURFACE CONDITIONS

- A. Examine the areas and conditions under which work of this Section will be performed. Correct conditions detrimental to timely and proper completion of the Work. Do not proceed until unsatisfactory conditions are corrected.

3.2 GENERAL CONSTRUCTION REQUIREMENTS

- A. Protection of existing facilities:
 1. Unless shown to be removed, protect existing structures, conduits, active utility lines and all other facilities shown on the Drawings or otherwise made known to the Contractor. If damaged, repair, replace, or restore to a condition equal to or better than the original condition at no additional cost to the Owner.
 2. Notify all persons, firms, corporations, or agencies owning or using any existing structures, conduits, or utilities which may be affected by the Work prior to the start of construction.
 3. Make arrangements to locate, maintain, protect, and/or relocate facilities in order to complete the Work.
 4. Make such exploration as is necessary to determine the exact location of underground utilities.
 5. Exercise care during the progress of work in the area to prevent damage to the utilities.
 6. Whenever it becomes necessary to relocate underground gas mains, telephone conduit, or electrical lines or support or relocate utility poles, the utility company involved will make such relocation or provide pole support. Notify the utility company promptly.
 7. Whenever it becomes necessary to relocate water or other pipes or conduits in direct conflict with the proposed pipe (exclusive of culverts) which are not shown on the Drawings, obtain the direction from the Engineer for the relocation. Compensation will be allowed only for such quantities as directed by the Engineer.
 8. Do not block or obstruct sidewalks, streets, and pavements.

9. Whenever during construction operations any loose material is deposited in the flow line of gutters, drainage structures, or ditches such that the natural flow line of water is obstructed, remove this loose material at the close of each working day. At the conclusion of construction operations, keep all drainage structures and flow lines free from dirt and debris.
 10. Do not obstruct accessibility of fire hydrants.
 11. Maintain access to adjacent areas at all times.
- B. Protection of Trees and Shrubs:
1. Protect trees and shrubs from damage.
 2. Do not remove trees or shrubs unless indicated on the Drawings or authorized in the field by the Engineer.
 3. Where trees which are to remain interfere with normal excavation operations, use the following procedures:
 - a. Prior to excavation, carefully remove trees with trunk diameters of less than 4 inches, shrubs, and other plantings in the way of construction.
 - b. Do not machine excavate within a distance of three trunk diameters or 12 inches (whichever is greater) of any tree, and do not cut roots over 2-inch diameter unless approved by the Engineer.
 - c. Excavate by hand when closer than three tree trunk diameters or 12 inches (whichever is greater).
 - d. Tree tunneling where necessary to be determined by the Engineer.
 - e. Tie back shrubs and tree limbs to prevent loss or damage.
 - f. Prune damaged limbs and branches.
 - g. Remove spoil banks from around trees by hand to prevent damage to trunks by construction machinery.
 4. Replace trees and shrubs which cannot be protected or are damaged during construction:
 - a. Replant or replace with stock of like character, quality, variety, size, shape, color and condition upon completion of the construction.
 - b. Replace 4-inch diameter and larger trees with one 4-inch diameter size tree for each 6" of original tree diameter or fraction thereof.
 - c. Replace trees smaller than 4-inch diameter and shrubs with same kind and type.
 - d. As an option, replant trees smaller than 2-inch diameter or shrubs which are not damaged.
 5. Remove and replace trees and shrubs which do not survive in good condition for a period of 18 months after time of planting.
- C. Work on private property:
1. Construct work on private property within easements obtained by the Owner as shown on the Drawings.
 - a. The Contractor will be permitted construction privileges within construction easement lines as shown on the Drawings.
 - b. Perform the work in a manner such as to minimize damage to lawns, shrubs, trees and other plantings, driveways, sidewalks, fences, outbuildings, and any other miscellaneous improvements, using proper size and type of equipment.

- c. The Engineer has the authority to prohibit the use of any equipment which in his judgment is too large or otherwise unsuitable for the conditions of the work on private property.
- 2. Remove and replace fences, outbuildings and other miscellaneous improvements in the way of construction to the satisfaction of the property owner.
- 3. When working in cultivated fields or gardens, remove original topsoil to a depth of 12 inches prior to excavation, and replace the topsoil to its original depth and grade upon completion of trench backfill.
- 4. Restore the private property to its original condition or better, free of debris, stones and excess materials.

3.3 TRENCHING

- A. Do not advance trench excavation more than 50 feet ahead of completed pipe installation except as approved by the Engineer.
- B. Provide and maintain sheeting, shoring, and bracing necessary for protection of the Work, adjacent property, and for the safety of personnel.
 - 1. Remove temporary sheeting and bracing after backfilling to an elevation which will prohibit caving of exposed sidebanks.
 - 2. Fill voids left by the withdrawal of sheeting with compacted CA-6.
 - 3. The Engineer may direct that supports in trenches be cut off at any specific elevation to protect adjacent facilities or property. Compensation for support left in place will be negotiated.
 - 4. No extra payment will be made for the supports left in place without the direction of the Engineer.
 - 5. Do not leave supports within 4 feet of the ground or pavement surface in place without the permission of the Engineer.
- C. Provide pumping, bailing, wellpointing, and construct ditches and dikes required to dewater and drain ground water, sewage, or stormwater to keep the excavation and site dry for the completion of the Work.
- D. Excavation:
 - 1. Excavate by open cut unless otherwise indicated on the Drawings.
 - 2. Excavate trenches to the depths and grades necessary for the pipelines with allowances for bedding material.
 - a. Comply with the following minimum depth of cover unless otherwise noted on the Drawings.
 - b. Water pipelines: 6 feet.
 - c. Sewage and sludge pressure piping: 5 feet.
 - d. Air and gas piping: 3 feet.
 - e. Electrical or wiring conduits and cables: 30 inches.
 - 3. Over-excavate organic, soft, spongy, or otherwise unsuitable soils found at or below the bottom of the trench to meet firm subsoil or as directed by the Engineer.
 - 4. Comply with the following maximum trench widths at the top of pipelines:

<u>Nominal Pipe Sizes (inches)</u>	<u>Trench Widths (inches)</u>
12 or smaller	30
14 - 18	36
20 - 24	42
27 - 30	48
33 and larger	1-1/3 times pipe OD

3.4 EXCAVATION FOR APPURTENANCES

- A. Excavate for manholes and similar structures to the depths as shown on the Drawings and to a distance sufficient to leave at least 12 inches clear between outer surfaces and the embankment or shoring that may be used to hold and protect the banks.
- B. Over-depth excavation beyond depths indicated on the Drawings that has not been directed will be considered unauthorized. Fill with sand, gravel, or lean concrete as directed by the Engineer, and at no additional cost to the Owner.

3.5 BEDDING AND COVERING OF PIPE

- A. General:
 - 1. Bedding is defined as the shaped and tamped material which supports the pipes. Covering is defined as the compacted material which protects and covers the pipes.
 - 2. Provide continuous bedding and covering for underground pipelines, except where concrete encasement, concrete cradles, boring or jacking are indicated.
- B. Pipe bedding:
 - 1. Provide compacted granular pipe bedding and covering material with a minimum thickness of 4 inches under pipe barrels and 2 inches under bells.
 - 2. Wherever the trench is over-excavated due to the removal of unsuitable material, refill the excavated area to the bottom of the pipe bedding with material conforming to the IDOT "Standard Specifications" gradation No. CA 1 as indicated in the "Open Cut Pipeline Installation – Unsuitable Material Removal/Replacement Detail".
 - a. Removal and replacement of material, or unsuitable material, to a depth of one foot below the bottom of the pipe barrel is considered incidental to installation of the pipe.
 - 3. Wherever the trench is over-excavated to remove unsuitable material, install geotextile fabric between native soil and granular material:
 - a. Install fabric to cover bottom and sides of trench to heights as follows:
 - (1) For all flexible pipe and rigid pipe 24-inch and smaller: to envelop entire bedding and covering material and overlap 1-foot at the top.
 - (2) For rigid pipe 27-inch and larger: to cover bedding material and from sides of trench to edge of pipe.

- (3) Where undercut is of a depth that requires more than one piece of fabric to provide envelope, provide sewn seams between sections of fabric.
 4. Wherever two or more pipes or conduits are placed in the same trench or excavated area, backfill the trench with granular pipe bedding and covering material to support the uppermost pipe or conduit.
 5. Provide sand bedding with a minimum thickness of 3 inches under electrical and wiring conduits and cables.
- C. Pipe covering:
1. Following placement of pipe and inspection of joints, provide compacted granular pipe bedding and covering material for the full width of the trench to the following levels unless otherwise shown on the Drawings:
 - a. For pipes sizes 24-inch and smaller, except flexible thermoplastic pipe: To 4 inches above the top of the pipe.
 - b. For pipes sizes 27-inch and larger, except flexible thermoplastic pipe: To the horizontal centerline of the pipe.
 - c. For flexible thermoplastic pipes, including ABS and PVC composite pipe, PVC plastic pipe, and other flexible type pipe: To 12 inches above the top of the pipe.
 - d. If compacted excavated materials are used for backfilling under the pavement as indicated on the Drawings: To 12 inches above the top of the pipe for all pipe sizes.
 2. Place granular pipe bedding and covering material in uniform loose layers not exceeding 8 inches thick.
 - a. Compact each layer firmly by ramming or tamping with tools approved by the Engineer in such a manner as not to disturb or injure the pipe to yield a minimum density of 95 percent of maximum dry density as determined according to ASTM D1557 or AASHTO-T180.
 3. Where trench is widened by installation of structures, jacking pits, or tunnel shafts, extend bedding and covering materials to total width of excavations and compact as noted in following section.
 - a. As a contractor's option, to eliminate compacting of the material, replace bedding and covering material with flowable fill at no additional cost to Owner.

3.6 TRENCH BACKFILLING AND COMPACTING

- A. General:
 1. Backfill trench from the top of pipe cover to topsoil, paving subgrade, or foundation level.
 2. If trenches settle during the period of construction and within the guarantee period of the work, fill trench back to the surrounding grade, and restore the surfaces.
- B. For trench in lawns, parkways, and other improved areas not subject to vehicular traffic:

1. Backfill with excavated materials in uniform loose layer not exceeding 12 inches thick.
 2. Compact each layer of trench backfill materials to yield a minimum of 85 percent of maximum dry density as determined according to ASTM D1557 or AASHTO-T180.
- C. For trench in unimproved areas and cultivated fields:
1. Backfill with excavated materials.
 2. Provide crowned surface to compensate for settlement.
- D. For trench in streets, parking areas, driveways, sidewalks, curb and gutter, or within 2 feet of any proposed curb and gutter, sidewalk, or other paved areas:
1. Backfilling with granular backfill materials:
 - a. Place in uniform loose layer not exceeding 12 inches thick and compact with vibrating roller or equivalent.
 - b. Water jetting may not be used in lieu of vibratory compaction.
 - c. Fill the top of trenches with an minimum 18-inches of compacted CA-6 material serving as temporary aggregate pavement material to the depth(s) required to provide aggregate base and pavement base, binder and surface courses of the depths(s) shown in the Details in the Drawings.
 2. Compacting requirements:
 - a. Compact each layer of trench backfill materials to yield a minimum density of 90 percent of maximum dry density as determined according to ASTM D1557 or AASHTO T-180.
 - b. Determine the density of compacted backfill at intervals of not more than 500 feet at locations selected by the Engineer.
 - c. Provide the services of an independent testing laboratory for the density tests complying with the pertinent provisions of Section 01 45 29.
 3. Maintain temporary aggregate pavement level with adjoining pavement surfaces until the permanent pavement is placed.

3.7 BACKFILL AND BEDDING FOR APPURTENANCES

- A. Provide 3 inches of sand or granular bedding material unless otherwise shown on the Drawings.
- B. Do not backfill until new concrete has properly cured, and any required tests have been accepted.
- C. Backfill in lawns and landscaped areas with excavated materials.
- D. Backfill in pavement around manholes, catch basins, inlets, valve vaults, and other structures as directed by the Engineer with granular backfill materials.

3.8 FINISH GRADING

- A. General:
 - 1. Provide finish grading and filling to achieve the lines and grades.
 - 2. Slope grades to drain away from structures.
 - 3. Replace culverts damaged during the construction with new culverts of the same size and type unless instructed differently in other sections of these Specifications.
- B. Finish grading:
 - 1. Except where mounding over trenches is specified, grade smooth areas of the Work including previously grassed areas that have been disturbed, and adjacent transition areas.
 - 2. Fill and compact depressions from settlement and round tops of embankments and breaks in grade.
 - 3. Protect newly graded areas from traffic and erosion. Repair settlement or washing away that may occur prior to surface restoration and re-establish grades to the required elevations at no additional cost to the Owner.
- C. Disposal of waste excavated material:
 - 1. Remove unsuitable and surplus excavated materials not used for backfilling from the project site.
 - 2. Do not deposit on public or private property without written permission from property owner or authorized representative of appropriate public agency.

3.9 TEMPORARY HOT-MIX PAVEMENT SURFACE

- A. Provide a premixed hot-mix asphalt wearing surface for use during the period between backfilling the trench and constructing the permanent pavement surface at locations as shown on the Drawings or as directed by the Engineer.
 - 1. Comply with requirements of Section 32 10 00 of these Specifications.
- B. Remove the temporary pavement surface at the time of permanent pavement construction.

3.10 GROUT FOR FILLING OF ABANDONED PIPES

- A. Abandon existing water mains in IDOT or Cook County right-of-way by filling the pipes completely with grout or flowable fill. (Stations 10+00 – 20+15 and 41+95 – 42+60)
- B. Fill pipes at locations as shown on the Drawings or as directed by the Engineer.
- C. Pump flowable fill through injection points until fill emerges from the vent points.
- D. Inject flowable fill with sufficient pressure to overcome friction.

3.11 WATER MAIN REPAIR

- A. Whenever existing water mains and water service pipes are damaged during construction, stop the pipe installation work and immediately repair the damaged portion of the existing piping.
- B. Contact the Engineer and Owner immediately to report the location and extent of the damage.
- C. Repair the water main with methods complying with the "Standard Specifications for Water and Sewer Construction in Illinois", and any additional requirements required by the Owner.
- D. Utilize only materials of repair as noted in the products section of this specification or as dictated by the Owner.
- E. Where water services have been stripped or pulled from the water main, replace the corporation stop as instructed by the Engineer and Owner, and replace the water service pipe to a point as directed by the Owner.
- F. Comply with disinfection requirements as dictated by the Owner.
- G. Do not cover the repair until work is inspected and approved by Owner.

3.12 PIPE INSULATION

- A. Rigid Pipe Insulation:
 - 1. Place rigid insulation board above the pipe bedding material to the width of the trench and the sides of the trench to the bottom of the pipe.
 - 2. Place rigid insulation board to the required thickness in the locations as shown on the Drawings and as directed by the Engineer.

3.13 DRAIN TILE REPLACEMENT

- A. Replace all drain tile disturbed or damaged with new pipe of the same size, at same grade and slope, and utilizing flexible couplings for connection to existing pipe.
- B. Indicate location, depth, and size of drain tile on Job Set of plans.
- C. Provide aggregate backfill from bottom of trench to a minimum of 12 inches above new drain pipe.
- D. Inform Engineer immediately when drain tiles are encountered as a part of the trenching operation.
 - 1. Drain tile repair conducted without the observance of the Engineer will not be paid for.

3.14 PIPE TRACER WIRE

- A. Install two tracer wires for non-ductile iron pipe.
- B. Install tracer wire system per manufacturer's instructions.
 - 1. See Section 33 05 23.13 for tracer wire installation in HDD applications.
- C. Place tracer wire taped to pipe at maximum intervals of 5 feet at 3 o'clock or 9 o'clock positions.
- D. Continue wire through valve boxes and other structures. Install tracer wire as a single continuous wire, except where using approved connectors.
- E. Install tracer wire access boxes at each fire hydrant. Leave 24-inches of slack to facilitate connections.
- F. Extend tracer wire to top of valve vaults and mount tracer wire to vault walls with stainless steel grip clips. Leave 24-inches of slack to facilitate connections. Extend wire up to top of marker posts, if marker posts are included with project.
- G. Provide termination points with a direct connection point to the tracer wire by utility locate transmitter. Install tracer wire to allow proper access for connection of tracing equipment, without loss or deterioration of low frequency (512 Hz) signal, and without distortion of signal caused by more than one wire installed in close proximity.
- H. Interconnect tracer wires at intersections. At tees, join the three wires using single, three-way locking connectors. At crosses, join the four wires using two three-way locking connectors with a short jumper wire between them.
- I. Install grounding anodes at each end of pipeline and at a maximum spacing of 1,000 feet.
- J. Successfully test tracer wire system installation after final restoration by locating the full length of facility using a low frequency (512 Hz) line tracing equipment in the presence of Owner and Engineer.

3.15 CASING PIPES – OPEN CUT INSTALLATION

- A. Install casing pipes to the lengths as indicated on the Drawings or as directed by the Engineer.
- B. Comply with requirements of Section 01 22 29 of these Specifications regarding installation of carrier pipe, filling of casing with sand, and sealing of casing ends.

END OF SECTION

SECTION 31 25 00

EROSION AND SEDIMENTATION CONTROLS

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide erosion and sedimentation controls as shown on the Drawings, as specified herein, and as needed for a complete and proper installation.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents and Division 01 - General Requirements of these Specifications.
- C. References:
 - 1. "Illinois Urban Manual", a technical manual designed for Urban Ecosystem Protection and Enhancement, prepared by the United States Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) and the Illinois Environmental Protection Agency (IEPA), latest revision.

1.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).

1.3 QUALITY ASSURANCE – (Reserved).

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Comply with pertinent provisions of Section 01 66 11.

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

PART 2 - PRODUCTS

2.1 GENERAL

- A. Provide erosion and sedimentation controls in accordance with the "Illinois Urban Manual" and the IDOT "Standard Specifications".
- B. Provide manufacturer's certification that product meets the minimum specified value, if requested by the Engineer.

2.2 TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS

- A. Tree protection fence:
 - 1. Provide materials as specified in Article 201.05 of the IDOT "Specifications":
 - a. Plastic snow fence.
 - b. Wood lathe fence.
- B. Inlet Protection Filter:
 - 1. Provide a drainage structure inlet filter assembly consisting of a steel frame, replaceable geotextile fabric bag, reinforced filter basket, stainless steel band suspended from the frame, and an overflow feature.
 - 2. Provide a frame of rigid galvanized steel meeting the requirements of ASTM-A36.
 - 3. Provide a filter bag constructed of a non-woven geotextile fabric with the following properties:
 - a. Minimum weight: 4 ounces per square yard.
 - b. Minimum flow rate: 145 gallons per minute per square foot.
 - c. Minimum silt and debris capacity: 2 cubic feet.
 - 4. Provide reinforced filter basket of polyester or stainless steel mesh.
 - 5. Acceptable products:
 - a. FlexStorm Inlet Filter by Inlet & Pipe Protection, Inc.
 - b. Catch-All by Marathon Materials, Inc.
 - c. Or equal.
- C. Silt bag:
 - 1. Provide filter or silt bags for dewatering pump discharge hoses that are utilized at well points or on dewatering pumps used to lower the water table and allow trench work or structure installation.
 - 2. Utilize bags made of non-woven geotextile material.
 - 3. Acceptable products:
 - a. Silt Bag by Layfield.
 - b. Dirtbag by Geo-Synthetics.
 - c. Or equal.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Prepare subgrade for the installation of erosion and sedimentation controls systems to the lines and grades shown on the Drawings.
 - 1. Repair eroded or washed out areas prior to the installation of erosion and sediment control systems.

3.2 TREE PROTECTION FENCING

- A. Install tree protection fencing around the critical root zone (CRZ) of all trees and as directed by the Village arborist.
 - 1. The CRZ is located 2 feet from the farthest outreaching branch.
 - 2. The fence shall be located 1 foot from the CRZ.
 - 3. Stakes shall be placed a maximum of 15 feet apart.
 - 4. Replace fence where it is torn or otherwise damaged.
 - 5. Retrench or replace fence that is not properly entrenched or anchored.
 - 6. Remove fence upon completion of Work, or as directed by Engineer.

3.3 INLET PROTECTION FILTER

- A. General:
 - 1. Verify the number and dimensions of the drainage structure frames for installation of the inlet filter assemblies.
 - 2. Inspect and clean filters weekly and after every rainfall.
 - 3. Dispose of debris removed at an approved location.
 - 4. Remove filter assembly as directed by the Engineer.
 - 5. The drainage structure inlet filter assembly will remain the property of the Contractor.

3.4 SILT BAG

- A. Provide protection from sedimentation to storm sewers, streams, ponds, or wetlands during well pointing or trench dewatering by the use of silt bags or silt socks at the hose or pipe discharge points.
- B. Dispose of collected silt or sediment offsite or at locations approved by the appropriate permitting authority.

END OF SECTION

SECTION 32 10 00.19

STREET, DRIVEWAY, AND SIDEWALK REPLACEMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section describes replacement of streets, driveways, curbs and gutters, and sidewalks removed or damaged during pipeline construction.
- B. Provide base course and surface courses as specified herein, and as needed for a complete replacement of all streets, driveways, curbs and gutters, and sidewalks.
- C. Construct streets, driveways, concrete curbs and gutters, and sidewalks in accordance with IDOT "Standard Specifications for Road and Bridge Construction", hereby referred to as IDOT "Standard Specifications".
- D. Related work:
 - 1. Comply with only the pertinent provisions of this Section for the type of replacement required for the Work.
 - 2. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents and Sections in Division 01 - General Requirements of these Specifications.
- E. References:
 - 1. (Reserved).

1.2 SUBMITTALS - (Reserved).

1.3 QUALITY ASSURANCE – (Reserved).

1.4 DELIVERY, STORAGE, AND HANDLING – (Reserved).

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

PART 2 - PRODUCTS

2.1 BASE COURSE

- A. Aggregate:
 - 1. Provide well graded, 100 percent crushed gravel or crushed stone aggregate free of clay, loam, dirt, calcareous or other foreign matter conforming to the IDOT "Standard Specifications", gradation No. CA 6.

- B. Hot-mix asphalt:
 - 1. Comply with applicable articles of Section 355 of the IDOT "Standard Specifications" and the most recent edition of IDOT District 1 Special Provisions, "HMA Mixture Design Requirements", "Ground Tire Rubber (GTR) Modified Asphalt Binder", "Friction Aggregate", the BDE Special Provisions for "Hot-Mix Asphalt Density Testing of Longitudinal Joints".
 - a. Hot-Mix Asphalt Binder Course, IL 19.0, N70.
 - b. 4% air voids @ 70 gyrations.
- C. Portland Cement concrete:
 - 1. Comply with applicable articles of Section 353 and Section 442 of the IDOT "Standard Specifications" for materials and material preparation.

2.2 SURFACE COURSE

- A. Aggregate surface course (Type A or Type B):
 - 1. Use crushed stone or crushed gravel complying with the IDOT "Standard Specifications" Articles 1004.01 and 1004.04 gradation No. CA 6.
- B. Hot-mix asphalt: Comply with applicable articles of Section 406 of the IDOT "Standard Specifications" and the most recent IDOT District 1 Special Provisions, "HMA Mixture Design Requirements", "Ground Tire Rubber (GTR) Modified Asphalt Binder", "Friction Agreement" and the BDE Special Provision for "Hot-Mix Asphalt Density Testing for Longitudinal Joints".
 - 1. Hot-mix asphalt surface course: Use Hot-mix asphalt Surface Course, Mix "D", N70 (10,000-25,000 ADT).
 - a. Mix type: IL 9.5 mm.
 - b. 4% air voids @ 70 gyrations.
 - 2. Hot-mix asphalt binder course:
 - a. Use Hot-mix asphalt Binder Course, IL-19, N50 (0-10,000 ADT).
 - (1) Mixture type: IL 19.0.
 - (2) 4% air voids @ 50 gyrations.
 - b. Use Hot-mix asphalt Binder Course, IL-19, N70 (10,000-25,000 ADT).
 - (1) Mixture type: IL 19.0.
 - (2) 4% air voids @ 70 gyrations.
 - 3. Hot-mix asphalt driveway:
 - a. Use Hot-mix asphalt Surface Course, Mix "D", N50.
 - (1) Mixture type: IL 9.5 mm.
 - (2) 4% air voids @ 50 gyrations.
- C. Portland Cement concrete driveway pavement:
 - 1. Comply with Section 423 of IDOT "Standard Specifications" for materials and material preparation.
- D. Portland Cement concrete walk:
 - 1. Comply with applicable requirements of Section 424 of the IDOT "Standard Specifications".

- E. Detectable warnings:
 - 1. Comply with Section 424.09 of IDOT "Standard Specifications" for materials, installation and certification requirements.

2.3 PORTLAND CEMENT CONCRETE DRIVEWAY

- A. Comply with applicable requirements of Section 423 of IDOT "Standard Specifications".

2.4 CURB AND GUTTER

- A. Portland Cement concrete:
 - 1. Comply with applicable requirements of Section 606 of the IDOT "Standard Specifications".

2.5 PROTECTIVE COAT

- A. Use combination of 50 percent boiled linseed oil and 50 percent petroleum spirits by volume.
 - 1. Comply with Section 1023 of the IDOT "Standard Specifications".

2.6 TEMPORARY HOT-MIX ASPHALT PAVEMENT MATERIAL

- A. Provide hot-mix asphalt during summer months while plants are operating as directed by the Engineer.
- B. Materials:
 - 1. Hot-mix asphalt binder or surface course, Mix "D", N50.
 - a. See paragraph 2.2, Hot-mix asphalt binder course and Hot-mix asphalt surface course.
- C. Provide asphalt (cold-patch) wearing surface during winter months when hot-mix is not available.
- D. Minimum compacted thickness: 2 inches.

2.7 PAVEMENT MARKINGS

- A. General:
 - 1. Comply with IDOT "Standard Specifications" applicable articles of Sections 780, 781, and 783, for all preparation and materials to remove and replace all obstructed pavement markings.
- B. Materials - Permanent:
 - 1. Thermoplastic: Article 1095.01.
 - 2. Paint: Article 1095.02.
 - 3. Preformed plastic: Article 1095.03.
 - 4. Epoxy: 1095.04.
 - 5. Preformed thermoplastic: 1095.05.

6. Glass beads for: Article 1095.07.
 7. Polyurea: Article 1095.08.
 8. Modified urethane: Article 1095.09.
 9. Raised reflective pavement markers: Section 1096.01.
- C. Materials - Temporary:
1. Tape: Comply with IDOT "Standard Specifications" for Road and Bridge Construction, Article 1095.06 for materials.
 - a. Do not use paint for temporary pavement markings.

PART 3 - EXECUTION

3.1 GENERAL CONSTRUCTION REQUIREMENTS

- A. Comply with the applicable articles of the following Sections of the IDOT "Standard Specifications" except as modified herein:
1. Base courses:
 - a. Aggregate Type A or Type B: Section 351.
 - b. Hot-mix asphalt: Section 355.
 - c. Portland Cement concrete: Section 353.
 2. Surface courses:
 - a. Aggregate, Type A, or Type B: Section 402.
 - b. Hot-mix asphalt: Section 406.
 - c. Portland Cement concrete: Section 420.
 3. Prime coats: Section 406.
 4. Curb and gutter: Section 606.
 5. Portland Cement concrete driveways: Section 423.
- B. Maintain the temporary pavement material installed during trench backfilling as temporary driving surface.
1. Provide and maintain temporary culverts or other drainage devices.
 2. Shape the road bed to provide positive drainage.

3.2 REMOVAL OF EXISTING PAVEMENT SURFACES

- A. Remove and dispose of all existing pavement surface materials as necessary to complete the Work.
1. Remove all existing street and driveway pavements, including surfaces, bases and stabilized subbases, curbs and gutters, and sidewalks to a width of not less than one foot on undisturbed ground on each side of the trench excavation.
 2. Saw cut to a full depth to provide a straight line joint between the existing pavement, curb and gutter or sidewalk which will remain and the portion to be removed and replaced.
 - a. Remake the saw cut joint as required at the time of resurfacing.
 3. Do not use any broken pavement, curb and gutter or sidewalk materials for backfilling the trench.

3.3 REPLACEMENT OF PAVEMENT SURFACES

- A. Reconstruct all street and driveway pavement including surfaces, bases, and stabilized sub-bases, curbs and gutters, and sidewalks which are removed or damaged as a result of the construction.
 - 1. Set all manholes, valve vaults, inlets, service boxes, and other structures and appurtenances to the established finish grade before pavement replacement.
 - 2. Construct in accordance with the details as shown on the Drawings.
 - 3. Replace all street surface courses, and base courses to match the grade, cross-section, and thickness of existing, except:
 - a. Comply with the minimum thickness as specified herein.
 - (1) Replace existing hot-mix surface course with a minimum of 2 inches of hot-mix asphalt surface course.
- B. Base courses:
 - 1. Use existing temporary aggregate pavement material installed during trench backfilling as aggregate base.
 - 2. Remove portion of the existing temporary aggregate pavement material necessary to install base, binder and surface courses.
 - a. Scarify, grade, and shape the aggregate base courses.
 - b. Place and compact additional material as directed by the Engineer.
 - 3. Reuse the removed temporary pavement material for any of the following:
 - a. Trench backfill or bedding.
 - b. Temporary pavement at another location.
 - c. Fill material for subgrade removal and replacement.
 - d. Subbase granular material or aggregate base course if the Engineer determines that there is not significant segregation or contamination of the material and if it is constructed as specified in these Specifications.
 - 4. Replace existing PCC base course with a minimum of 10 inches of Portland Cement concrete base course.
 - 5. Replace existing hot-mix asphalt base course with a minimum of 8 inches of hot-mix asphalt base course.

3.4 PRIME COATS

- A. Bituminous prime coat:
 - 1. Apply prime coat to all aggregate base courses prior to installation of asphalt binder courses at a minimum rate of 0.40 gallons per square yard.
 - a. Apply prime coat to saw-cut edges of existing pavement or driveway that abuts trench limits, by hand swabbing, if necessary.
 - 2. Apply prime coat to all existing concrete or asphalt surfaces prior to installation of new hot-mix asphalt binder or surface courses at a rate of 0.05 to 0.10 gallons per square yard.
 - a. Prime may be eliminated between new binder and surface courses only when surface course is applied immediately after binder course, when binder has cooled to the appropriate temperature.

- b. Apply prime coat to new binder course if traffic has been allowed on binder course prior to installation of surface course at a rate of 0.10 gallons per square yard.
- 3. Do not apply when ambient temperature is less than as specified by IDOT Section 406, or when local conditions indicate that rain is imminent.

3.5 SURFACE COURSES

- A. Hot-mix asphalt binder courses and surface courses:
 - 1. Install hot-mix asphalt binder with a minimum thickness of 2½ inches and hot-mix asphalt surface courses with a minimum thickness of 2 inches to attain a minimum total thickness of 4½ inches.
 - a. Install binder and surface course with greater thicknesses if so indicated on the Drawings.
 - b. Install thick binder courses in lifts approved by Engineer and provide steel plate over trenches if necessary to allow cooling.
 - 2. Repair settled trenches, spalled asphalt, and other defective binder before placement of hot-mix asphalt surface course.
 - 3. Resaw-cut edges of trench limits, if necessary, to provide a clean-straight edge prior to installation of hot-mix asphalt surface course.

3.6 CURB AND GUTTER

- A. Replace curb and gutter with curb and gutter of the same size and cross-section.
- B. Provide protective coat if so directed by the Owner.
- C. Provide two 1/2-inch steel reinforcing bars in full length of new curb and gutter and two 12-inch long slip dowels extended 6 inches into existing curb and gutter.

3.7 SIDEWALKS

- A. Construct to match existing walks.
- B. Portland Cement concrete walks:
 - 1. Erect temporary forms for placement of concrete as specified in Article 424.05 of the IDOT "Standard Specifications".
 - 2. Construct in accordance with applicable articles of Section 424 of the IDOT "Standard Specifications".
 - a. Provide a minimum thickness of 5 inches.
 - b. Provide a minimum thickness of 6 inches through driveways.
 - c. Construct sidewalks using lumber forms with a nominal thickness of 2 inches and a minimum depth of 6 inches.
 - 3. Provide ramps accessible to the disabled in locations as shown on the Drawings and in accordance with current IDOT Highway Standard Details.
 - a. Refer to IDOT Standard Details 424001, 424006, 424011, 424016, 424021, and 424026, latest revision.

4. Provide detectable warnings at ramps as specified in Section 424.09 of IDOT's "Standard Specifications".

3.8 TEMPORARY ASPHALT PAVEMENT SURFACE

- A. Provide a hot-mix asphalt wearing surface for use during the period between backfilling the trench and constructing the permanent pavement surface as directed by the Engineer.
- B. Provide 2-inch (compacted) minimum wearing surface.
 1. Utilize mechanical tamper, vibrating tamper, or self-propelled roller to achieve compaction.
 2. To facilitate extra compaction by traffic, surface of patch may be finished up to 1/2-inch above existing pavement.
 3. Provide smooth, drivable surface, free of ruts or depressions.
 4. Remove all loose materials from edges of patch, and provide temporary sawcuts if directed by the Engineer.
- C. Remove and dispose of all temporary asphalt pavement surface materials at the time of permanent pavement construction.

3.9 STRUCTURE ADJUSTMENT

- A. Comply with applicable articles of Section 603 of IDOT "Standard Specifications" for materials and installation except as modified below:
 1. Do not use steel, ductile iron, or cast iron adjusting rings.
 2. Do not use common brick.
- B. Provide watertight joints between concrete adjusting rings, frame, and structure when adjusting sanitary sewer manhole frames.

3.10 PAVEMENT MARKINGS

- A. General:
 1. Replace all existing pavement markings that are removed or damaged during pipe installation operations.
 2. Mark locations (by dimensions) on Job Plan of all existing pavement lane markings, turn arrow, stop bars, and parking stall markings prior to excavation.
 3. Replace all existing markings after placement of final surfaces.
 4. Replace pavement markings with same kind and type unless otherwise noted on the Drawings or in Contract Documents.
- B. Removal:
 1. Remove pavement markings or reflectors per applicable articles of IDOT "Standard Specifications" Section 783.

- C. Temporary - tape:
1. Use temporary marking tape to delineate temporary lanes of traffic, stop bars, or parking stall lanes on temporary asphalt pavement, asphalt base courses, and surface courses if indicated on the Drawings or if so directed by the Engineer.
 2. Remove temporary marking tape prior to installation of permanent markings.

END OF SECTION

SECTION 32 92 00.19

LAWNS AND GRASSES

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide topsoil, sodding, and care of grass during establishment period for a complete surface restoration of lawns, parkways, and other areas disturbed as a result of the construction.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents, and Division 01 - General Conditions of these Specifications.
- C. References – (Reserved).

1.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).

1.3 QUALITY ASSURANCE – (Reserved).

1.4 DELIVERY, STORAGE, AND HANDLING – (Reserved).

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

PART 2 - PRODUCTS

2.1 TOPSOIL

- A. Provide a mixture of black dirt having at least 90 percent passing a No. 10 sieve, free of large roots, brush, sticks, weeds, and stones larger than 1/4-inch in diameter, and any other debris.

2.2 AGRICULTURAL LIMESTONE

- A. Provide agricultural-grade ground limestone, ground sufficiently fine so that at least 80 percent will pass through a No. 8 sieve, containing not less than 80 percent calcium carbonate equivalent. Moisture content at time of delivery not exceeding 8 percent.

2.3 FERTILIZER

- A. Provide commercial grade fertilizer, having nutrient content of 16 percent nitrogen, 6 percent phosphorus, and 24 percent soluble potash.

2.4 TEMPORARY EROSION CONTROL MATERIALS

- A. Comply with Section 31 25 00 of these Specifications.

2.5 SOD

- A. Provide field or nursery grown sod that is native to the locality of the Project.
- B. Provide sod that will not break, crumble or tear during handling and placing, free of stones, crab grass, noxious weeds, and other objectionable plants or substances injurious to plant growth.
- C. Provide sod having at least 1-inch of soil adhering firmly to the roots and cut in rectangular pieces with the shortest side not less than 12 inches. At the time of cutting sod, mow the grass height not less than 2 inches nor more than 4 inches.
- D. Do not use sod cut for more than 48 hours.

PART 3 - EXECUTION

3.1 TOPSOIL PLACEMENT

- A. Scarify the compacted subgrade to a depth of 3 inches to receive the topsoil.
- B. Spread at least 4 inches of prepared topsoil in areas of new grading raked smooth and level.
- C. Grade flush with walks, curbs, and paving.

3.2 PREPARATION FOR SODDING

- A. Do not start preparation until all other site and utility work and finished grading within the areas to be sodded have been completed.

- B. Till topsoil to a depth of at least 3 inches and smooth out all surface irregularities resulting therefrom. Leave area free of rocks or hard soil clods which will not pass through the tines of a standard garden rake.
- C. Take a test of the site soils to determine the need for application of agricultural limestone (soil pH less than 7.0). If agricultural limestone is needed, then at least 7 days before applying fertilizer, spread lime uniformly in sufficient quantity to produce in the soil a pH of 7.0. Work lime thoroughly into topsoil to a depth of 3 inches.
- D. Apply fertilizer uniformly at a rate of 7 lbs. per 1,000 sq.ft. Work fertilizer into soil prior to sodding.

3.3 SODDING

- A. Provide sod in developed areas that were grassed prior to construction and as indicated on the Drawings. Sodding shall also be used in ditches and drainage swales and on all embankment slopes steeper than 3 to 1.
- B. Place sod with the edges in close contact and alternate courses staggered. Lightly tamp or roll to eliminate air pockets. On slopes 2 to 1 or steeper, stake sod with not less than 4 stakes per square yard and with at least one stake for each piece of sod. Stakes shall be driven with the flat side parallel to the slope. Do not place sod when the ground surface is frozen or when air temperature may exceed 90 degrees F. Water the sod thoroughly within 8 hours after placement and as often as necessary to become well established.
- C. In ditches, the sod shall be placed with the longer dimension perpendicular to the flow of water in the ditch. On slopes, starting at the bottom of the slope, the sod shall be placed with the longer dimension parallel to the contours of the ground.
- D. All exposed edges of sod shall be buried flush with the adjacent turf.

3.4 WATERING

- A. Immediately begin watering and continually keep moist until the sod has firmly knit itself to the topsoil.

3.5 PROTECTION OF WORK

- A. Protect newly sodded areas from all traffic by erecting temporary fences and signs. Protect slopes from erosion. Properly and promptly repair all damaged work when required.

3.6 APPLICATION OF FERTILIZER

- A. Six weeks after completion of sodding apply granular fertilizer over all areas at the rate of 2 lbs. of nitrogen nutrients per 1,000 sq.ft. of area.

3.7 CLEAN-UP

- A. At the time of final inspection of work, but before final acceptance, remove from sodded areas all debris, rubbish, excess materials, tools, and equipment.

3.8 MAINTENANCE

- A. Provide watering, mowing, and replanting and continue as necessary until a close healthy stand of specified grasses is established.
- B. Replace lawns not showing a close uniform stand of healthy specified grasses at the end of the guaranty period and maintain until acceptance.

END OF SECTION

SECTION 33 05 23.13

UTILITY PIPE HORIZONTAL DIRECTIONAL DRILLING

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section describes pipes installed by the trenchless horizontal directional drilling (HDD) method as shown on the Drawings, as specified herein, and as needed for a complete installation.
- B. Provide labor, materials, tools, and equipment necessary to perform all work specified in this Section.
- C. References – (Reserved).
- D. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents, and Division 01 - General Requirements of these Specifications.

1.2 SUBMITTALS

- A. Shop Drawing Submittals – Submit shop drawings in compliance with pertinent provisions of Section 01 33 01, specifically including, but not limited to:
 - 1. Manufacturer's data on installation procedures, pipe specifications and butt-fusing specifications.
 - a. Obtain approval prior to beginning work.
 - 2. General specifications for drilling fluid/mud.
 - a. Using water and native soils only for drilling fluid/mud is not acceptable.
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – Submit certificates and guarantees installation inspection and verifications forms, and equipment guarantee forms in compliance with Section 01 61 01.
- D. Comply with pertinent provisions of Section 01 33 01.
- E. Submit detailed construction scheduling plan at preconstruction meeting.
 - 1. Comply with all portions of Section 01 32 16 concerning schedules and submittals.
 - 2. Provide detailed plan of means and methods to maintain clean and safe conditions in the event drilling material escapes to surface or adjacent

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storm sewers, including list of material and equipment that will be on-site during drilling and pipe insertion.

- F. Prepare a written, comprehensive contingency plan to address the response to, and clean-up of, hydrofracture (frac-outs) and surface spill events (release events).
 - 1. Provide and submit the contingency plan at the Preconstruction Meeting in accordance with Project Meetings – Section 01 31 19 and Submittals – Section 01 33 01.
- G. Submit horizontal directional drilling contractor qualifications.

1.3 QUALITY ASSURANCE

- A. Use an adequate number of workmen who are thoroughly trained and experienced in the necessary crafts, and who are completely familiar with the specified requirements and methods needed for proper performance of the work of this Section.
- B. Contractor performing horizontal directional drilling shall have the following qualifications:
 - 1. Experience with at least 3 projects of similar pipe diameters and pipe/pullback lengths.
 - 2. Supervision and drillers, each with a minimum of 5 years of experience with similarly sized projects.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Comply with pertinent provisions of Section 01 66 11.

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

1.7 GENERAL CONSTRUCTION REQUIREMENTS

- A. Comply with the requirements of the permit issued by the controlling agency.
- B. Provide the insurance and other information required for the above referenced permits.
- C. Notify the controlling agency of the construction schedule not less than 10 days prior to the start of the construction.
- D. Provide all excavation, pits, installation and removal of tight sheeting, leaving of sheeting in place if indicated on the Drawings, backfilling of pits, compaction of excavated materials, and providing and compacting granular backfill materials where indicated on the Drawings.

1.8 TRENCHING AND EXCAVATIONS

- A. Comply with all requirements of Section 31 23 79 for work involving open cutting, trenching, excavations for structures or services, and backfilling of excavations.

PART 2 - PRODUCTS

2.1 DIRECTIONAL DRILLING SYSTEM

- A. Provide hydraulically or pneumatically operated, fluid-assisted, remote guided drilling system capable of installing pipe indicated on the Drawings by trenchless methods.
 - 1. Provide compressors, pumps, apparatus, tools, and all devices certified as suitable by the system manufacturer to install the new pipe without damaging or stressing the pipe.
 - 2. Provide recovery system that will recover bentonite slurries or other drilling fluids without releasing the slurry/fluid onto the surrounding ground or water surfaces.
 - 3. Provide, use and maintain downhole pressure monitoring equipment.
 - 4. Provide and stock a complete variety of equipment, tools and materials to respond to release events.
 - a. Equipment and tools include, but are not limited to: backhoe, dozer, tank or dump trucks, rowboat, barrels, vacuum truck, vacuum hoses, shovels, hand tools, lumber, sandbags, tarps, silt fence, compost filter logs, coir wattles, straw bales, spill containment socks and pads, spill berms and portable pumps.
- B. Provide certification from pipe manufacturer the proposed pipe material and strength classification is appropriate for this project's application(s).

2.2 HDPE PIPE

- A. Provide high density polyethylene extruded pipe.
 - 1. Material:
 - a. Comply with AWWA C906 for water main pipe, and AWWA C901 for water service pipe, and ASTM F714 for sewer pipe.
 - b. Type III, Class C, Category 5, P34 material as per ASTM D3350.
 - c. Minimum cell classification PE345464C.
 - 2. Wall thickness: As determined by pipe manufacturer, but with a minimum ratio of:
 - a. DR 11 for water main for ductile iron (DIOD) pipe sizes.
 - 3. Color:
 - a. Provide blue or blue striped pipe for potable water application.
 - 4. Identification:
 - a. Provide pipe with cell classification and SDR rating stamped on the pipe.

- B. Pipe joining:
 - 1. Thermal butt-fusion method:
 - a. Provide equipment and procedures in strict accordance with manufacturer's recommendations regarding:
 - (1) Surface temperature at heating plate.
 - (2) Pressure of pipe to heating plate.
 - (3) Soak time.
 - (4) Fusion pressure.
 - (5) Fusion cooling time.
 - (6) Allowable bead height and width.
 - b. Utilize only personnel certified by pipe manufacturer as fusing technicians.

2.3 PVC PIPE (SPLINED JOINT)

- A. Material:
 - 1. Provide 12454A or B polyvinyl chloride complying with ASTM D-1784.
 - 2. Provide pipe that complies with AWWA C900 pressure pipe with a standard dimension ratio of 18 (DR 18).
 - 3. Provide restrained joint PVC pipe with restraining grooves, built-in sealing gaskets, and beveled edges, manufactured to D.I. O.D.
 - a. Acceptable manufacturer: CertainTeed Certa-Lok.
 - 4. Color:
 - a. Provide blue pipe for potable water applications.
- B. Joints:
 - 1. PVC restrained joint separate coupling or integral bell, with elastomeric seal and restraining grooves.
 - a. Restraining spline: Provide splines sized to fit coupling grooves made of Nylon 101.
 - 2. Provide restrained joint mechanical gland adapters for connection to ductile iron pipe at ends of PVC piping.
 - 3. Acceptable manufacturer: CertainTeed Certa-Lok or Certa-Lok RJIB.

2.4 SERVICE CONNECTIONS

- A. Water system:
 - 1. Copper service connections as outlined in Section 33 11 43 WATER DISTRIBUTION SYSTEM.
 - 2. Do not install services on HDPE pipe.

2.5 SERVICE PIPE

- A. Water: Comply with Section 33 11 43 of these Specifications.

2.6 INSTALLATION AND RECEIVING PITS

- A. Sheeting: Comply with OSHA requirements.

- B. Fencing:
 - 1. As required to protect the public.
- C. Granular backfill material:
 - 1. Comply with Section 31 23 79.

2.7 PIPE TRACER WIRE

- A. General:
 - 1. Provide two tracer wires to be used for electronic locating of all PVC and HDPE pipe installed.
 - 2. See Section 31 23 79 for tracer wire materials in open cut applications.
- B. Materials:
 - 1. Provide locating system components designed for compatibility to ensure end-to-end conductivity for detecting underground utilities.
 - a. Copperhead Complete Utility Locating System.
 - b. Or equal.
 - 2. Wire:
 - a. Single Strand, single conductor, copper-clad steel, No. 10 AWG extra-high strength, high carbon with min. 2,032 lb. break load, min. 45 mil. HDPE insulation thickness (1045B-EHS) for direct bury installation; color coded per APWA Standards.
 - b. 7x19SS (T304) PVC coated stainless steel Aircraft Cable, min. 3/16 inch diameter.
 - c. Use higher strength wire if necessitated by drilling conditions.
 - 3. Connectors: Single, three-way locking connectors (LSC1030C); Mainline to service connectors (3WB-01) and dielectric silicon sealant.
 - 4. Provide 1.5 pound magnesium grounding anodes and 12-AWG wire.
 - 5. Tracer wire test station: Provide for a direct connection to the tracer wire by utility locate transmitter manufactured for the application location; Identified with "WATER" on the cap and color coded per APWA Standards; Two terminal tracer wire to include a manually interruptible conductive/connective link between the terminal for the tracer wire connection and the terminal for the ground rod wire connection; External direct connection points to both tracer wire and ground rod on top of lid; Encapsulated magnet molded into the top portion of the box for detection by ferrous metal locator; Anti-corrosion wax/gel to protect wires.
 - a. Copperhead SnakePit Lite Duty XL or Concrete/Driveway Access Point.
 - b. Or equal.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install horizontally directionally drilled utility pipe in accordance with manufacturer's recommendations.
- B. Limit size of borehole to 1.5 times the outside diameter of the pipe bell.

3.2 SURFACE CONDITIONS

- A. Examine the areas and conditions under which work of this Section will be performed. Correct conditions detrimental to timely and proper completion of the Work. Do not proceed until unsatisfactory conditions are corrected.

3.3 PROTECTION

- A. Protect existing utilities indicated or made known.
- B. Protect trees and shrubs by plank wrappers securely wired in place or by providing a fence around the tree or shrub of sufficient distance away and of sufficient height so trees and shrubs will not be damaged in any way as part of this Work.
 - 1. Do not permit any equipment to operate within 5 feet of any trees or shrubs that are to remain or in a manner as to harm overhanging branches.
- C. Protection of persons and property:
 - 1. Barricade open depressions and holes occurring as part of this Work, and post warning lights on property adjacent to or with public access.
 - 2. Operate warning lights during hours from dusk to dawn each day and as otherwise required.
 - 3. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by operations under this Section.
- D. Remove the top six (6) inches of topsoil at entry and exit locations and stockpile the topsoil on-site. Cover the topsoil with tarps and sandbags or other weights to keep the tarps in place. Surround topsoil storage areas and the drilling and separation equipment and tanks with silt fence and/or compost filter logs and/or coir wattles.
- E. Use means necessary to prevent dust from becoming a nuisance to the public, to neighbors, and to other work being performed on or near the work areas.
- F. Maintain access to the work areas at all times.
- G. Provide protection to environment, public and private property, and public or private utilities from drilling fluid used as lubricant, cooling, suspending cuttings,

controlling downhole pressures, providing pipe buoyancy, and for hole support during drilling and pipe insertion.

1. Provide vac-trucks and apparatus of sufficient size and quantity to reclaim drilling fluid used during operations.
2. Provide trucks, end loaders, and any other equipment and manpower necessary to maintain a clean and safe work site during construction.
3. Comply with requirements of paragraphs 1.2 E and 1.2 F of this Specification.

H. HDD activities shall be constantly monitored by the Contractor and may be monitored by the representatives of the Owner, the Engineer, the Resident Project Representative and Environmental Inspector, or any combination of these representatives. Monitoring shall include:

1. Inspection along the drill path.
2. Continuous examination of drilling fluid pressure gauges and return flows to the surface pits by the Contractor.
3. Monitoring of drill status information regarding drilling conditions and alignment of the drilling profile during the course of drilling activities, by the Contractor.
4. If a release event occurs, contain the drilling fluids and continue inspection to determine any potential for movement of released drilling mud into or within a wetland or water body. Collect drilling mud returns at the release location for future analysis, as required. Notify the Owner, the Engineer, the Resident Project Representative and Environmental Inspector, or any combination of these representatives. The Owner, or their representative, will keep documentation and photographs of release events.
5. If a monitoring indicates a release is occurring or has occurred, the Contractor shall immediately begin containment.
 - a. The Contractor shall determine and implement any modifications to the drilling technique or composition of drilling fluid (e.g., thickening of mud by increasing bentonite content, temporary lowering of the downhole pressures, etc.) to minimize or prevent further releases of drilling mud.
 - b. If a release occurs within a wetland or water body, reasonable actions within the limitation of directional drilling technology and the Contractor's ability, shall be taken to re-establish drilling mud circulation.
 - c. The Owner may evaluate the release to determine if containments structures are warranted and can effectively contain the release. When making this determination, the Owner may consider if placement of containments structures will cause additional adverse environmental impact.
 - d. Upon completion of the drilling operations, the Owner may consult with applicable regulatory agencies to determine any final clean-up requirements for the release.
 - e. If public health and safety are threatened by the release, drilling operations might be shut down until the threat is eliminated. This

measure would be taken as a last resort because of the potential for drill hole collapse resulting from loss of downhole pressure.

- I. Dispose of all bentonite slurry, drilling fluid, cuttings, pit spoils, etc. at a legal off-site disposal area.

3.4 INSTALLATION AND RECEIVING PITS

- A. Although most horizontal directional drilling is done without the use of pits, in the rare case that pits are required, comply with the following criteria.
- B. Provide pits as required to install and receive pipes.
 - 1. Provide tight sheeting where required to provide protection to public, permitting agency and public property, and adjacent utilities.
 - 2. Comply with OSHA requirements for type, installation, and removal of sheeting.
 - 3. Leave sheeting in place where indicated on the Drawings.
 - 4. Provide fencing around pits to secure the area and to provide protection to the public.
- C. Provide pits of length and width as necessary to install pipes and sized to fit area available for Work.
- D. Provide dewatering as required to allow excavation of pits and installation of pipes.
 - 1. Provide protection to environment from erosion or sedimentation resulting from all pumping operations.
- E. Backfilling of pits:
 - 1. Backfill with compacted granular backfill materials under pavements and where indicated on the Drawings.
 - 2. Backfill with compacted excavated materials where granular backfill material is not indicated.
 - 3. Comply with compaction requirements outlined in Section 31 23 79.
 - 4. Re-grade slopes and ditches to match preconstruction condition and adjacent area.
 - 5. Remove all construction debris, materials, excess excavated material, and sheeting from construction area upon completion of the Work.

3.5 PIPE INSTALLATION

- A. Install pipe by HDD methods unless conditions require installation by open-cut methods.
- B. Complete open-cut installation in strict accordance with pertinent provisions of Section 31 23 79 of these Specifications.
- C. Provide pipe insertion pits necessary for complete installation of pipe.
 - 1. Position pits at locations indicated on the Drawings whenever possible.
 - 2. Provide additional pits as required to install new pipe.

3. Provide all traffic control, barricades, flagmen, and other items at insertion pit areas as necessary to complete the work.
 4. Provide tight sheeting at insertion pits to keep pit to the minimum size necessary to do the work.
 - a. Remove sheeting when work is completed.
- D. Connect to manholes or valve vaults where indicated on the Drawings and as outlined in these Specifications.
- E. Install high density polyethylene (HDPE) or splined-joint PVC pipe by pulling the pipe into place.
1. Provide winch systems designed to protect structures, provide directional stability, and pull pipe from insertion point to exit point without causing damage to the pipe being inserted.
 2. Insert pipe in a continuous operation from point to point.
 3. Provide lubricants as specified by pipe manufacturer to avoid stressing of pipe beyond its elastic limit during insertion.
 4. Provide silencers, mufflers, or other devices required to reduce noise from compressors and other equipment to meet limits as outlined by Owner's local ordinances.
- F. Joints:
1. Provide HDPE assembled and jointed at the site by thermal butt-fusion welding techniques.
 - a. Provide equipment and procedures in strict compliance with the pipe manufacturer's recommendations.
 - b. Provide pressurized, heated fusing apparatus that meets manufacturer's requirements to provide watertight, smooth joints, and operated by personnel certified as fusion technicians by pipe manufacturer.
 2. For PVC, provide elastomeric seals in non-metallic restrained joint couplings that are restrained with use of nylon splines.
 - a. Utilize ductile iron mechanical gland adapters only when connecting to ductile iron pipe at extremities of PVC installation.
- G. Allow pipe cooling and relaxation time as per HDPE pipe manufacturer's recommendations, a minimum of 4 hours, prior to sealing of annular spaces at manholes or vaults.
1. Extend pipe into structure a minimum of 4 inches beyond interior walls prior to cooling period, to allow for relaxation of pipe.
 2. Seal annular spaces at structure walls with non-shrink grout.
 3. Utilize flexible rubber gasket collars for connections to new manholes or vaults if indicated on drawing details or required in other Sections of these Specifications.
- H. Provide transition fittings and temporary plugs and/or caps on pipes where pipes are left for others to connect to.

- I. Provide neoprene or rubber seals between drilled pipe and carrier pipe at termination of drilled pipe, if dual pipes are indicated.
- J. Mark location of drilled pipe termination points on "Job Set" of plans, measured from adjacent permanent structures or iron pins.
- K. Install pipe tracer wire (and conduit) pulled into place alongside the main pipe, at each drilling location for the total length of pipe.
 - 1. Connect tracer wire to ductile or steel pipe or to tracer wire on pipe installed by other methods with a "hard" connection at each end of directional drilled pipe.
- L. Anchors:
 - 1. Provide HDPE butt-fused thrust collars around circumference of HDPE pipe at all termination points of drill.
 - 2. Provide concrete thrust block/anchors around thrust collars at all HDPE pipe termination points.

3.6 PIPE TRACER WIRE

- A. Install two tracer wires on all HDPE and PVC pipes.
- B. Install tracer wire system in accordance with manufacturer's instructions.
 - 1. See Section 31 23 79 for tracer wire installation in open cut applications.
- C. Install tracer wire as a single continuous wire, except where using approved connectors.
- D. Install tracer wire test stations at each end of trenchless pipeline and at a maximum spacing of 1,000 feet. Provide termination points with a direct connection point to the tracer wire by utility locate transmitter. Leave 24-inches of slack to facilitate connections. Install tracer wire to allow proper access for connection of tracing equipment, without loss or deterioration of low frequency (512 Hz) signal, and without distortion of signal caused by more than one wire installed in close proximity.
- E. Install grounding anodes at each end of pipeline and at a maximum spacing of 1,000 feet.
- F. Successfully test tracer wire system installation after final restoration by locating the full length of facility using a low frequency (512 Hz) line tracing equipment in the presence of Owner and Engineer.
- G. If the tracer wire is compromised during the pull-back process, install a secondary conduit and tracer wire over the trenchless pipeline.

3.7 TESTING

- A. Comply with testing requirements outlined in other Sections of these Specifications.
- B. Repair any defects or leaks in the pipe discovered during testing.
 - 1. Retest all repaired sections until they meet all testing and inspection requirements.

END OF SECTION

SECTION 33 05 23.16

WATER SERVICES DRILLED UNDER PAVEMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section describes water service pipes installed by the trenchless horizontal directional drilling (HDD) method as shown on the Drawings, as specified herein, and as needed for a complete installation.
- B. Provide labor, materials, tools, and equipment necessary to perform all work specified in this Section.
- C. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents, and Division 01 - General Requirements of these Specifications.

1.2 SUBMITTALS

- A. Comply with pertinent provisions of Section 01 33 01.
- B. Submit shop drawings, including:
 - 1. Manufacturer's data on installation procedures.
 - a. Obtain approval prior to beginning work.
- C. Submit detailed construction scheduling plan at preconstruction meeting.
 - 1. Comply with all portions of Section 01 32 16 concerning schedules and submittals.
 - 2. Provide detailed plan of means and methods to maintain clean and safe conditions in the event drilling material escapes to surface or adjacent storm sewers, including list of material and equipment that will be on-site during drilling and pipe insertion.
- D. Prepare a written, comprehensive contingency plan to address the response to, and clean-up of, hydrofracture (frac-outs) and surface spill events (release events).
 - 1. Provide and submit the contingency plan at the Preconstruction Meeting in accordance with Project Meetings – Section 01 31 19 and Submittals – Section 01 33 01.
- E. Submit horizontal directional drilling contractor qualifications.

1.3 GENERAL CONSTRUCTION REQUIREMENTS

- A. Comply with the requirements of the permit issued by the controlling agency.

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- B. Provide the insurance and other information required for the above referenced permits.
- C. Notify the controlling agency of the construction schedule not less than 10 days prior to the start of the construction.
- D. Coordinate and pay for inspection services by controlling agency.
- E. Provide all excavation, pits, installation and removal of tight sheeting, leaving of sheeting in place if indicated on the Drawings, backfilling of pits, compaction of excavated materials, and providing and compacting granular backfill materials where indicated on the Drawings.

PART 2 - PRODUCTS

2.1 PIPE

- A. Service lines: Type K soft temper seamless copper water tubing complying with ASTM B-88.
- B. Water service corporation stops, curb stops, and service boxes:
 - 1. Comply with Section 33 11 43.

2.2 INSERTION AND RECEIVING PITS

- A. Sheeting: Comply with OSHA requirements.
- B. Granular backfill material:
 - 1. Comply with Section 31 23 79.

2.3 DIRECTIONAL DRILLING SYSTEMS

- A. Compact directional drilling systems.
 - 1. Provide system capable of working in tight conditions.
 - 2. Acceptable systems:
 - a. GRUNDODRILL by TT Technologies, Inc.
 - b. Or equal.
- B. Pit launched mini-directional drill system.
 - 1. Provide package system capable of being installed in a pit small enough to be inserted in parkway tight conditions.
 - 2. Acceptable systems:
 - a. GRUNDOPIT by TT Technologies, Inc.
 - b. GRUNDOPIT K Keyhole by TT Technologies, Inc.
 - c. Or equal.

PART 3 - EXECUTION

3.1 GENERAL

- A. Provide all excavation, insertion and receiving pits, piping, and security.
- B. Install pipes.
 - 1. Location of pipes will be determined in the field at time of construction.
- C. Location, protection, repair or replacement of underground utilities will be complete responsibility of the Contractor.
 - 1. No additional compensation will be allowed for damage to underground utilities, or time lost due to utility repair or relocation.

3.2 INSERTION AND RECEIVING PITS

- A. Provide pits as required to insert drilling equipment and install pipe.
 - 1. Provide tight sheeting where required to provide protection to public, permitting agency and public property, and adjacent utilities.
 - 2. Comply with OSHA requirements for type, installation, and removal of sheeting.
 - 3. Leave sheeting in place where indicated on the Drawings.
 - 4. Provide fencing of pits to provide protection to the public and security.
- B. Provide pits of length and width as necessary to install pipes and sized to fit area available for Work.
- C. Provide dewatering as required to allow excavation of pits and installation of pipes.
 - 1. Provide protection to environment from erosion or sedimentation resulting from all pumping operations.
- D. Backfilling of pits:
 - 1. Backfill with compacted special granular backfill materials whenever pit is below or within 2 feet of paved surfaces or curb and gutter or where indicated on the Drawings.
 - 2. Backfill with compacted excavated materials where special granular backfill material is not indicated.
 - 3. Comply with compaction requirements outlined in Section 31 23 79.
 - 4. Re-grade slopes and ditches to match preconstruction condition and adjacent area.
 - 5. Remove all construction debris, materials, excess excavated material, and sheeting from construction site upon completion of the Work.
 - 6. Restore areas disturbed as outlined in Section 32 10 00 for Pavements, and Section 32 92 00 for Lawns and Grasses.

3.3 SERVICE PIPE INSTALLATION

- A. Install water service pipe below paved areas by use of directional drilling method.
- B. Install water service pipe outside of paved areas by use of open cut methods, in compliance with Section 33 11 43 of these Specifications.
- C. Make connections to new water main and existing services as outlined in Section 33 11 43 of these specifications.

END OF SECTION

SECTION 33 05 23.39

TREE TUNNELING

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section describes pipes installed below trees by augering or directional boring methods, where shown on the Drawings, as specified herein, and as needed for a complete installation.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents, and Division 01 - General Requirements of these Specifications.
- C. References – (Reserved).

1.2 SUBMITTALS

- A. Shop Drawing Submittals – Submit shop drawings in compliance with pertinent provisions of Section 01 33 01, specifically including, but not limited to:
- B. Operation and Maintenance Manuals – Submit operation and maintenance manuals in compliance with pertinent provisions of Section 01 78 28.
- C. Certificates and Guarantees – Submit certificates and guarantees installation inspection and verifications forms, and equipment guarantee forms in compliance with Section 01 61 01.
- D. Lubricants – Provide lubricants in compliance with Section 01 61 01.

1.3 QUALITY ASSURANCE

- A. Provide adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and methods needed for proper performance of the work of this Section.

1.4 DELIVERY, STORAGE, AND HANDLING – (Reserved).

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

PART 2 - PRODUCTS

2.1 PIPE TRACER WIRE

- A. General:
 - 1. Provide wire to be used for electric locating of PVC, HDPE or other pipe installed by the tree tunneling method.
- B. Materials:
 - 1. Wire: No. 10 AWG, single strand, single conductor, insulated copper wire, colored per code requirements.
 - 2. Type: PE (45 mils) or UF (60 mils), 600 volt.

PART 3 - EXECUTION

3.1 TREE TUNNELING

- A. Auger method:
 - 1. Use boring auger with a diameter at least 6 inches larger than the outside diameter of the bell of the pipe to be installed.
 - 2. Push the pipe carefully into place so as not to disturb the bore hole.
 - 3. Fill the void space around the pipe with sand.
- B. Directional boring:
 - 1. As an alternate, Contractor may attempt to tunnel trees by use of directional boring methods, such as hydro-boring, or others when pipe is not a gravity sewer, which must be done by the auger method.
 - 2. The alternate method must be approved by Owner and Engineer at Pre-construction Meeting.
 - 3. No additional compensation will be allowed if alternate methods proves to be unsuccessful, and Contractor will complete installation of pipe as outlined in paragraph 3.1 A. at established Contract Unit Prices.

3.2 PIPE TRACER WIRE

- A. Install pipe tracer wire alongside the pipe being installed.
 - 1. Connect tracer wire to tracer wire on pipe installed by other methods.

END OF SECTION

TREE TUNNELING
33 05 23.39-2 (ARLHT 2401308.00)

SECTION 33 11 43.13

LEAD WATER SERVICE PIPE REPLACEMENT – CURB STOP TO WATER METER

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide lead or galvanized water service pipe replacement, from curb stop to the interior shut-off valve before the water meter, as shown on the Drawings, as specified herein, , and in accordance with the latest edition of Section 41-2.12 and 41-2.13 of the “Standard Specifications for Water and Sewer Construction in Illinois”, the details in the Drawings, and as specified herein.
 - 1. For the purpose of Section 33 11 43.13, the Village of Arlington Heights will be referred to as the Village and the owner of the private property with a lead or galvanized requiring replacement water service line will be referred to as the Property Owner.
- B. Perform water service installations in accordance with the State of Illinois Plumbing License Law, including licensed plumbers and registered plumbing contracts.
- C. Related work:
 - 1. Documents affecting work under this Section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, Division 01 - General Requirements of these Specifications and Appendices A and B.
- D. References – (Reserved).

2.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).

1.3 QUALITY ASSURANCE

- A. Ensure all brass and bronze alloys supplied with the products contain less than 15 percent zinc, unless otherwise specified.

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 33 11 43.13-1 (ARLHT 2401308.00)

1. Brass that will come in contact with potable water shall contain no more than 0.25% lead.
 - a. Brass fittings shall be marked with industry standard marking to indicate the amount of lead (no lead, low lead, etc.) in the brass.
 - b. Brass for service saddles may contain more than 0.25% lead to improve ductility of the saddles.
- B. All employees of the Contractor entering a house shall be 18 years of age or older and shall provide photograph identification.
 1. All of the Contractor's staff present themselves in a professional manner and appearance.
 2. The Contractor's staff appearance shall include some sort of uniform shirt with a company logo identifying this staff member as an employee of the Contractor.
 3. The vehicle the Contractor and staff use for this project shall be clearly marked with the Contractor's company name

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Comply with pertinent provisions of Section 01 66 11.

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

2.1 GENERAL

- A. Provide lead or galvanized water service pipe replacement across private property, from curb stop to the interior shut-off valve before the water meter, including service tubing, interior ball valve, and water service line appurtenances.
- B. Design Criteria:
 1. Comply with the most recent edition of AWWA C810-17 – Replacement and Flushing of Lead Service Lines.

2.2 Service Tubing and Appurtenances

- A. Provide 1-inch Type K, soft temper copper, for underground service, conforming to ASTM B88 and B251.
 1. Pipe shall be marked with manufacturer's name or trademark and a mark indicating the type of pipe.
 2. The outside diameter of the pipe and minimum weight per foot of the pipe shall not be less than listed in ASTM B251, Table 11.
 3. All copper connections shall be made with flared joints.

LEAD WATER SERVICE PIPE REPLACEMENT – CURB STOP TO WATER METER
33 11 43.13-2 (ARLHT 2401308.00)

4. Provide larger sizes as shown on the Drawings and as approved by the Engineer, Property Owner and Village.
- B. Provide a brass two-way ball valve for interior shut-off valve.

2.3 FILTERS

- A. Provide a pitcher filter or point-of-use filter that is certified by an accredited third-party certification body to NSF/ANSI 53 and NSF/ANSI 42 for the reduction of lead and particulate.
- B. Provide six (6) months' worth of cartridges with pitcher filter or point-of-use filter.

3.1 SEQUENCE OF INSTALLATION

- A. The Village will provide the following two options to Property Owners with lead water service lines:
 1. Option 1. The Village's Contractor replaces the lead water service line at the unit price established under this Section 33 11 43.13 with a 1" (minimum size) Type K copper water service pipe (Option 1 – Private Owner Pipe Replacement). For private Property Owners who choose this option, the Village will collect payment from the owners for the cost for the Lead Water Service Pipe Replacement and will pay the funds to the Contractor under the provisions of this contract. The Contractor and private Property Owner will enter into a separate contract that includes access, the details of the work, and the other coordination issues ("Contractor / Private Owner Agreement"). The specifications for this work are detailed below.
 - a. In the event that a Property Owner requests 1.5" copper water tubing, the Property Owner will be responsible for the additional cost for the increase in size. The copper pipe shall be as specified herein.
 2. Option 2. The private Property Owner declines Option 1. For this Option, the Contractor is responsible for connecting the new Type K copper water service pipe and new curb stop to the existing private lead service pipe. No work will be completed on private property and the lead water service pipe will not be replaced from curb stop to the interior shut-off valve.
- B. It is the responsibility of the Contractor to coordinate with all Property Owners on the replacement of the water service line, as specified herein.
- C. The Village will update the Contractor at the Pre-Construction Meeting with Property Owners who responded to Village correspondence in advance of Construction commencing.

LEAD WATER SERVICE PIPE REPLACEMENT – CURB STOP TO WATER METER
33 11 43.13-3 (ARLHT 2401308.00)

3.2 RESIDENT COORDINATION

Option 1 - Private Owner Pipe Replacement

- A. In the event a Private Property Owner selects Option 1, a Contractor / Private Owner Agreement (Waiver of Liability and Hold Harmless Agreement) must be executed for each private Property Owner.
 - 1. A copy of the Village's Waiver of Liability and Hold Harmless Agreement is provided in Exhibit A herein.

- B. The Contractor will coordinate appointments with the Property Owners to schedule the work, which may include evenings and weekends, and to gain access to perform the installation.

- C. Once the Property Owner and Contractor have executed the Owner Agreement, the Contractor shall execute the following:
 - 1. Coordinate and schedule the replacement of the water service line from the water main to the interior shut-off valve before the water meter with Village, Engineer, Plumber performing the work on private property and the Property Owner. Coordination efforts shall minimize the delays between the replacement of the water service from water main to curb stop and the replacement of the water service from the curb stop to the interior of the home.
 - a. Additional coordination and scheduling may be needed for properties between Burlington Avenue and W Elm Avenue. See key phasing dates shown in the Drawings.
 - 2. Provide the Property Owner with a Village approved Notice (to be provided by the Village at the Pre-Construction Meeting) notifying the Property Owner of the date of installation appointment. The Notice shall be provided a minimum of 14 days prior to the installation appointment date. The Contractor shall give the Property Owner a four-hour maximum time window on the selected day to arrive at the property to do the work.
 - 3. After the appointment is made, the Contractor shall call the Property Owner 24 hours in advance to the scheduled appointment to confirm and tell the Property Owner the name of the installer for this work.
 - a. In the event that the Contractor or Plumber needs to reschedule the work, the Property Owner, Village and Engineer shall be notified with a written notice as soon as possible.
 - 4. Prior to the beginning the replacement work, the water supply to the service line and the property shall be shut off to avoid release of particulate lead into the Property Owner's premises.

5. The Contractor shall execute the installation of the new water service line from water main to interior shut-off valve before the water meter as described herein and shown in the Drawings. Documentation of the work shall comply with this Section.
6. Immediately after all connections have been completed, the Contractor shall perform the following:
 - a. Flush the water at full velocity for at least 10 minutes from an outside connection (such as a hose bib or hose leading from the building side of the meter) to remove any particles in the service line.
 - b. Provide the Property Owner with a Village approved Notice (to be provided by the Village at the Pre-Construction Meeting) notifying the Property Owner of the completion of the work.
 - c. Advise the Property Owner to flush the premise's interior plumbing in accordance with the instructions provided in the Village approved Notice.
 - d. Provide the Property Owner with a pitcher filter or point-of-use filter, as described herein.
 - e. Provide a Point of Contact for the Property Owner for any additional follow up concerns related to the work completed herein.

Option 2 - Private Owner Denies Pipe Replacement

- D. In the event that a Private Property Owner selects Option 2, the Contractor needs to provide written notice to the Engineer within 48 hours. The Engineer will then perform the following:
 1. Provide the Property Owner with the Illinois Department of Public Health's (IDPH) Waiver of Complete Lead Service Line Replacement (IDPH Waiver) for signature.
 2. If the Property Owner refuses to sign the IDPH Waiver, then the Engineer will provide notice to IDPH as necessary.
 3. Provide written notice to the Contractor to commence water service line replacement work.
- E. Once the Property Owner has signed the Waiver or Notice has been given to the Contractor of the Property Owner's refusal to sign the Waiver, the Contractor shall execute the following:
 1. The Contractor shall execute the installation of the new water service line from water main to curb stop as described herein and shown in the Drawings. Documentation of the work shall comply with this Section.
- F. Immediately after the new water service line and curb stop are installed and connected to the existing lead service line, the Contractor shall perform the following:

1. Flush the water at full velocity for at least 10 minutes from an outside connection (such as a hose bib or hose leading from the building side of the meter) to remove any particles in the water service line
2. Provide the Property Owner with a Village approved Notice (to be provided by the Village at the Pre-Construction Meeting) notifying the Property Owner of the completion of the work.
3. Advise the Property Owner to flush the premise's interior plumbing in accordance with the instructions provided in the Village approved Notice.
4. Provide the Property Owner with a pitcher filter or point-of-use filter, as described herein.

3.3 INSTALLATION

- A. The water service line replacement shall originate at the curb stop and terminate inside the building at the interior shut-off valve before the water meter.
 1. New water service line pipe shall be installed across private property by horizontal directional drilling or moling methods (trenchless methods).
 - a. Open-cut excavation will be permitted where trenchless methods are unable to be used and as approved by the Engineer.
 2. Maintain a minimum depth of cover of 6 feet below finished grade unless otherwise indicated on the Drawings.
 3. All copper connections shall be made with flared joints.
 4. Replacement will go across private property, entering the building through the foundation wall or slab at approximately the same location as the existing water service line where possible or as directed by the Engineer.
 - a. If the water service line cannot be installed in approximately the same location as the existing water service line, Contractor shall notify the Engineer and review alternative locations for the proposed water service line for the Engineer to approve.
 5. Unless otherwise directed by the Engineer, splices between the curb stop and the building will not be allowed.
- B. Where access pits are required, the Contractor shall conduct excavation and install bedding and trench backfill as required within the excavation limits in accordance with Village standards shown on the Drawings.
- C. Core the existing foundation wall/slab or saw cut and remove a portion of the slab to allow for penetration by the water service pipe.
 1. Exercise caution to prevent damaging the existing foundation.
 2. Repair any damage to the foundation caused by the coring operation.
 3. Install a PVC sleeve in the foundation to protect the service pipe.
 4. The interior and exterior of the cored hole shall be completely sealed with hydraulic cement to prevent water infiltration.

5. Move and restore any items on the interior of the home or structure that infringe upon the work. Make modifications to the interior plumbing only if necessary to install new water service.
 6. Install new interior water shut-off valve (ball valve) on water service line side of meter.
 - a. If existing meter is determined to be in need of replacement, Contractor shall notify the Village.
- D. Maintain at least 10 feet from the building's sanitary sewer service pipe where possible.
1. In all locations, lead service line replacements shall be in accordance with Illinois Plumbing Code Variance for Sewer and Water Service Separation, Title 77 Il. Adm. Code 891.1150
- E. In the event an existing water service line is grounded, the Contractor shall reinstall water service grounding as a part of this work consistent with pre-existing grounding conditions.
1. Grounding straps shall not be installed where not already in place.
- F. The Contractor shall abandon the existing water service pipe in-place.

3.4 FILTERS

- A. The Contractor shall provide immediately upon the reinstated of a water service line previously constructed of lead or galvanized requiring replacement.

3.5 WATER SERVICE LINE FLUSHING

- A. For each lead or galvanized requiring replacement water service line replacement, the Contractor shall flush the premise plumbing in accordance with ANSI/AWWA C810-17 (First Edition) Replacement and Flushing of Lead Service Lines.
1. Flush the water from an outside connection (such as a hose-bib or hose leading from the house side of the meter installation) to remove any particles in the water service line and near point-of-entry.
 2. Flush at full velocity for at least 10 minutes.

3.6 EXTERIOR RESTORATION

- A. Areas disturbed to install the new water service shall be restored to its original condition.
 - 1. The Contractor shall take every measure to protect all existing trees, shrubs, bushes and lawns. Protect the existing lawn by laying work mats or plywood sheathing.
 - 2. In the event landscaping materials need to be removed for the proper installation of the new water service line, the Contractor shall salvage and protect the existing materials until they are able to be reused.
 - a. If existing landscaping materials are unable to be salvaged, restoration will consist of raking in pulverized topsoil (minimum of 3"), over seeding the disturbed areas and installing blanket or straw netting.

3.7 INTERIOR RESTORATION

- A. The Contractor shall take every measure to protect the interior of the home, including but limited to, laying work mats, wearing new shoe/boot coverings, and installing temporary dust control measures such as plastic tarps.
- B. If the water meter or water service line are located behind a finished wall or under a finished floor, Contractor shall remove the wall or finished floor to establish access to where the water service line enters the building.
 - 1. Contractor shall minimize disturbance to finished areas where at all possible.
 - 2. Contractor shall
 - 3. Restoration of areas disturbed in order to gain access to the water service line within the residence will be the Property Owner's responsibility to restore.
 - a. If it appears that property will be damaged with the installation of the water service, the Property Owner shall be contracted before the installation.
- C. Modifications to the existing interior of the home requested by the Property Owner shall be coordinated between the Contractor and Property Owner and will be paid directly by the Property Owner to the Contractor.
 - 1. Separate payment will be made to the Contractor.
 - 2. The Property Owner and Contractor shall submit to the Village a Notice of Intent (Contractor's Proposal Form) to have the interior modified prior to this work being performed along with a waiver from the Property Owner.
 - 3. A Village permit will be required for the additional requested work.

4. The Village will be released from any claims or disputes between the Contractor and Property Owner.

3.8 DOCUMENTATION

- A. For each lead service line replacement, the Contractor shall provide the Village with the following documentation:
 1. Digital photograph of each building with address clearly visible.
 2. Digital photographs of water main and meter connection locations showing new pipe and old pipe.
 3. Digital photographs of the exterior and interior pre-installation and post-installation conditions on private property.
 4. Length, size, and material type of the new pipe installed.
 5. Type and size of pipe material the new pipe is connected to inside the building.
 6. Date of installation.
 7. Method of installation.
 8. Installation completed by.
 9. Approximate length and location of abandoned lead service line pipe left in the ground.
 10. Flushing time and location(s).
- B. The above documentation shall be provided by the Contractor to the Village in digital format (utilizing Adobe Acrobat, Microsoft Word, or other Village approved software on external 2 TB hard drive, or other Village-approved media).

EXHIBIT A

LEAD SERVICE LINE REPLACEMENT PROJECT
LICENSE, WAIVER OF LIABILITY AND HOLD HARMLESS AGREEMENT

This License, Waiver of Liability and Hold Harmless Agreement ("**Agreement**") is made by _____ ("**Owner**"), the record title owner of a certain parcel of real estate located in the Village of Arlington Heights, Cook County, Illinois, commonly known as _____ ("**Property**").

A. The Property has been identified by the Village of Arlington Heights ("**Village**") as being served by a lead service line or galvanized service line located downstream of lead.

B. In accordance with Section 17.12 of the Illinois Lead Service Line Replacement and Notification Act, 415 ILCS 5/17.12, the Village is required to replace the lead service line at the Property in its entirety, including any portion of the service line running on private property and within any building located on the Property, at the first shut-off valve or 18 inches inside the building, whichever is shorter (collectively, the "**Work**").

In consideration of the Village's performance of the Work at a shared cost between the Village and Owner, the Owner hereby acknowledges and agrees as follows:

1. The Owner represents and warrants that it is the sole owner of the Property and has the right to authorize the Village to perform the Work.

2. The Owner hereby grants the Village, including, without limitation, its agents, employees, and contractors, a temporary construction easement allowing access over, within, under, along, across, and through the Property to perform the Work ("**Temporary Construction Easement**"), together with the right of reasonable ingress and egress to and from the Property with such personnel and equipment as may be deemed reasonably necessary in connection with the exercise of the rights granted by this Agreement, in the Village's sole discretion. The Temporary Construction Easement allows the Village and its authorized agents and representatives to access the Property and enter and access all buildings and structures located thereon for the purpose of replacing the water service, performing interior plumbing modifications in support of the service line replacement, and restoring landscaping, driveways, walkways, sidewalks, or any other features that are disturbed during the completion of the Work. The Temporary Construction Easement will be for a term beginning on the date of the commencement of the Work on the Property and ending on the sooner to occur of (i) the date that is two years after the commencement date, or (ii) when the Work is complete, in the determination of the Village. The Owner further grants permission to the Village and its authorized agents and representatives license to access the Property for the purpose of performing a final inspection upon the conclusion of the Work.

3. The Owner understands and agrees that the Village will be responsible for: (a) 100% of the replacement costs associated with the replacement of the one-inch service line, from the water main to the water shutoff valve, known as the B-box; plus (b) to the lesser of 50% of the cost, or \$2,500, for the costs associated with the replacement of the private water service, from the parkway shutoff valve (B-box) to the water meter.

4. The Owner further understands and agrees that in consideration of the rebate and replacement of the public portion of the service line, the Owner will be responsible for 100% of all other costs associated with the Work, and will be required to submit a building permit application

(for which there will be no fee for a one-inch service line, and for which the Owner will only pay the incremental fee for any voluntary service size upgrades). The Owner must pay the Village the costs for which the Owner is responsible pursuant to this Paragraph 4, within 60 days after receipt of an invoice therefor.

5. The Owner understands that the Village may utilize the services of third-party contractors or other agents to perform the Work.

6. The Owner understands that a temporary interruption of water service is and can be expected during the performance of the Work.

7. The Owner, or their designee, who is at least 18 years of age, must be present at the Property on the date and time scheduled for the performance of the Work for the entire duration of the Work being performed.

8. The Owner must provide reasonable, safe, lighted, and unencumbered access to the basement, walls, and floor areas where the Owner's service line enters the building and move any items blocking or interfering with access thereto, such as boxes, furniture, and appliance(s), prior to the time the Work is to be performed.

9. If the water meter or service line is located behind a finished wall, or under a finished floor, such that gaining access will disrupt one or more wall finished surface(s) or floor finished surface(s), then prior to the commencement of any Work to be performed by the Village or its contractor on the Property, the Owner will be responsible for removing the obstruction(s) and establishing the necessary access to allow the Work to be performed. Should the Owner not provide such adequate access, as determined by the Village, the Village will have the right, but not the obligation, to cause to be removed the obstruction(s) and establish necessary access to perform the Work. Upon completion of the Work, restoration of disturbed area(s) within the residence will be the Owner's responsibility.

10. The Village assumes the responsibility of: (i) providing the Owner with advance notice of replacement; (ii) obtaining necessary permit(s) for the Work; (iii) providing all materials, manpower, and equipment necessary to complete the Work; and (iv) providing exterior flushing and instructions to the Owner for interior flushing post-replacement of the service line installed on the Property. The Village will have sole discretion and control over the means, methods, materials, and techniques with respect to the performance of the Work.

11. After installation of the new service line, the Owner is responsible to follow the flushing instructions provided by the Village to remove any remaining particles of lead and debris from the service line. Water service grounding will be reinstalled as part of the Work consistent with the pre-existing grounding conditions, but to the extent the pre-existing grounding conditions are not consistent with the applicable Village building regulations, the Owner will be solely responsible for thereafter correcting the water service grounding.

12. Upon termination of this Agreement, including the final inspection, the Owner accepts and agrees that the service line installed on the Property and any interior plumbing modifications aside from the water meter will become the property of the Owner and the Owner will have sole and exclusive responsibility, and the Village will have no responsibility whatsoever, for any upkeep, repair, maintenance, or replacement that may be necessary with respect to the service line installed on the Property as part of the Work. Maintenance of the Owner's service line from the buffalo box shutoff valve to the Property and any interior plumbing, modifications to

existing grounding or backflow device, if previously installed, remain the responsibility of the Owner. The Owner hereby assumes any and all liability arising from the completion, or the failure to complete, the Work. The Owner will indemnify, hold harmless, and defend the Village against all damages, liability, claims, losses, and expenses (including attorneys' fees) that may arise, or be alleged to have arisen, out of or in connection with: (i) the Village's performance of, or failure to perform, the Work or any part thereof; (ii) the service line; or (iii) any failure to meet the representations or obligations of Owner set forth in this Agreement.

13. THE OWNER ACKNOWLEDGES AND AGREES THAT THE VILLAGE IS PROVIDING THE WORK WITHOUT ANY WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND THAT THE VILLAGE DOES NOT REPRESENT OR WARRANT THAT WORK WILL MEET ANY OR ALL OF OWNER'S PARTICULAR REQUIREMENTS, THAT AFTER THE WORK THE SERVICE LINE WILL OPERATE UNOBSTRUCTED OR WITHOUT ANY DEFECT OR PROBLEM.

14. THE OWNER WILL, AND DOES HEREBY, WAIVE, RELEASE, AND RELINQUISH ALL CLAIMS OF EVERY KIND, KNOWN AND UNKNOWN, PRESENT AND FUTURE, THAT OWNER MAY HAVE AGAINST THE VILLAGE AND ITS OFFICERS, AGENTS, SERVANTS, AND EMPLOYEES, ARISING OUT OF, CONNECTED WITH OR IN ANY WAY RELATED TO THE PROPERTY, THE SERVICE LINE, OR THE WORK.

15. Any other provisions of this Agreement notwithstanding, the Owner acknowledges and agrees that the Village is not, nor will it be considered to be, the Owner's contractor or agent for any purposes, including but not limited to with respect to providing for the performance of the Work.

16. The Owner will have and retain all rights to use and occupy the Property except as otherwise expressly granted by this Agreement; provided, however, that Owner's use and occupation of the Property may not interfere with the Village's use of the Property for the performance of the Work.

17. The Owner hereby covenants and warrants to the Village that the Owner is the fee simple title holder of the Property and that the Owner has the full power and authority to enter into this Agreement.

18. This Agreement is to be governed by and construed in accordance with the laws of the State of Illinois. Venue for the resolution of any disputes or the enforcement of any rights pursuant to this Agreement will be in the Circuit Court of Cook County, Illinois.

19. This Agreement constitutes the entire agreement between the parties and is intended as a complete and exclusive statement of the terms of the parties' agreement. This Agreement supersedes all prior and concurrent promises, representations, proposals, negotiations, discussions and agreements that may have been made in connection with the subject matter hereof, and there are no representations, conditions, warranties, or collateral agreements, express or implied, statutory or otherwise, with respect to this Agreement other than contained herein. No amendment, revision, or modification hereof will be effective unless it is in writing and signed by the Owner and consented to by the Village.

IN WITNESS WHEREOF, the Owner has caused this Agreement to be executed on the date and year first above written.

OWNER:

Name: _____

Address: _____

Signature: _____

Date: _____

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4893-0831-1764, v. 3

END OF SECTION

LEAD WATER SERVICE PIPE REPLACEMENT – CURB STOP TO WATER METER
33 11 43.13-13 (ARLHT 2401308.00)

SECTION 33 11 43

WATER DISTRIBUTION SYSTEM

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide water distribution system as shown on the Drawings, as specified herein, and as needed for a complete and proper installation, and in accordance with the latest edition of the "Standard Specifications for Water and Sewer Construction in Illinois", except as revised herein.
- B. Provide labor, materials, tools, chemicals and equipment necessary to perform the pressure and leakage tests and disinfection.
- C. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, the Contract Documents, and Division 01 - General Requirements of these Specifications.
- D. References – (Reserved).

1.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).
- E. Furnish two (2) copies of bacteriological test reports.

1.3 QUALITY ASSURANCE

- A. Ensure all brass and bronze alloys supplied with the products contain less than 15 percent zinc, unless otherwise specified.
 - 1. Brass that will come in contact with potable water shall contain no more than 0.25% lead.
 - a. Brass fittings shall be marked with industry standard marking to indicate the amount of lead (no lead, low lead, etc.) in the brass.
 - b. Brass for service saddles may contain more than 0.25% lead to improve ductility of the saddles.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Comply with pertinent provisions of Section 01 66 11.

1.5 SITE CONDITIONS - (Reserved).

1.6 MAINTENANCE – (Reserved).

PART 2 - PRODUCTS

2.1 PIPE AND FITTINGS

- A. PVC plastic pipe:
 - 1. Pipe material: Use Class 12454A or B polyvinyl chloride complying with ASTM D1784.
 - 2. Pipe 12-inch and smaller: Comply with AWWA C900 for Class 235 pressure pipe with a standard dimension ratio of 18.
 - 3. Use push-on bell and spigot type joints with elastomeric ring conforming to ASTM F-477.
- B. PVC Restrained Joint pipe:
 - 1. Provide PVC pipe complying with all requirements of Section 33 05 23.13 of these Specifications.
 - OR**
 - 2. Mechanical joint retainer gland systems that provide locking segments shaped to pipe barrel that do not create stress points on pipe barrel.
 - 3. Acceptable products for pipes:
 - a. Meg-A-Lug System.
 - (1) Series 2000PV Megalug for MJ to Pipe (C900).
 - (2) Series 1500 Megalug Harness for push on joint (C900).
 - (3) As recommended by manufacturer for connection to existing pipes.
- C. HDPE pipe:
 - 1. Provide high density polyethylene pipe that complies with AWWA C906, minimum thickness SDR11 for ductile iron (DIOD) pipe sizes.
 - 2. Provide HDPE pipe complying with all requirements of Section 33 05 23.13 of these Specifications.
- D. Fittings:
 - 1. Ductile iron fittings: Provide mechanical joints complying with ANSI A21.10 or A21.53.
 - a. Cement lining: Comply with ANSI A-21.4, standard thickness.
 - b. Bolts and nuts:
 - (1) Use A-304 stainless steel bolts with nuts and washers of series 300 stainless steel per ASTM A194.

- G. Pipe tracer wire.
 - 1. See Section 31 23 79 for tracer wire options in open cut applications.
 - 2. See Section 33 05 23.13 for tracer wire options in trenchless applications.

2.2 VALVES

- A. Provide valves with clockwise closing direction.
- B. Gate valves:
 - 1. Valves 3-inch and larger:
 - a. Design in accordance with AWWA C509 (cast iron body), or AWWA C515 (ductile iron body), bronze fitted, resilient wedge and seat type with non-rising stem and O-ring packing.
 - b. Provide gear operator for valves 14-inch and larger.
 - 2. Provide mechanical joint ends for buried valves and ANSI Class 125 flange ends or mechanical joint ends for valve installed in vaults as indicated on the Drawings.
 - a. Provide restrained type joints for all mechanical joint end valves.
 - b. Provide and install nuts and bolts matching the nuts and bolts used for fittings.
 - 3. Acceptable valve manufacturers:
 - a. East Jordan.
 - b. Or approved equal.

2.3 VALVE BOXES

- A. Provide adjustable valve boxes on buried valves:
 - 1. Valve box meeting ASTM A-48, compatible with size and type of valve protected.
 - 2. Extend box to 4" below finished grade. Valve boxes will be covered with standard frame and cover set to finished grade.
 - 3. Mark valve box cover "WATER" for potable water piping valves. Other valve box covers unmarked.
 - 4. Bituminous coated carbon steel valve extension stems and 2-inch square operating nuts 2 inches below the cover.
 - 5. Acceptable manufacturers:
 - a. Tyler 6850.
 - b. Or approved equal.
- B. Provide valve box stabilizer for all valve boxes.
 - 1. Acceptable manufacturers:
 - a. Adaptor, Inc.
 - b. Or approved equal.
- C. Frames and covers:
 - 1. For valve boxes located in pavement, provide over the top of valve boxes, full-size cast iron frames and covers with heavy duty, indented top, with solid self-sealing lids and machined bearing surfaces, stamped with the word "WATER" and "VILLAGE OF ARLINGTON HEIGHTS".

- a. Acceptable products: Neenah R-1647-A, East Jordan 1880 EXHD, or approved equal.

2.4 VALVE VAULTS

- A. Precast:
 - 1. Provide precast reinforced concrete manhole sections, bottoms, and flat top slabs complying with ASTM C478 unless otherwise indicated on Drawings.
 - 2. Provide concentric cone section unless otherwise indicated on the Drawings.
 - 3. Provide precast reinforced concrete monolithic or separate base.
 - 4. Design flat slab tops for HL-93 wheel loading.
- B. Concrete:
 - 1. Provide 4,000 psi concrete using Type I Portland Cement complying with ASTM C150.
- C. Mortar:
 - 1. Mix one part Portland Cement to three parts fine aggregate.
- D. Preformed Gaskets:
 - 1. Provide joints of either flexible watertight rubber gaskets or preformed bituminous plastic gaskets consisting of a homogeneous blend of refined hydro-carbon resins and plasticizing compound reinforced with inert mineral filler.
 - a. Acceptable manufacturers:
 - (1) Henry Company, RAM-NEK.
 - (2) ConSeal Concrete Sealants, Inc., Type CS-102.
 - (3) Or approved equal.
- E. Steps:
 - 1. Provide steps with a minimum width of 12 inches and a minimum projection of 5 inches.
 - 2. Use steps consisting of copolymer polypropylene plastic with a continuous ½-inch steel reinforcement as manufactured by M.A. Industries, Inc.; cast iron steps, Neenah R-1980-I; or approved equal.
- F. Frames and covers:
 - 1. Provide cast iron frames and covers with heavy duty, indented top, with solid self-sealing lids and machined bearing surfaces, stamped with the word "WATER" and "VILLAGE OF ARLINGTON HEIGHTS".
 - a. Acceptable products: Neenah R-1713, East Jordan 1050 EXHD, or approved equal.
- G. Flexible pipe connectors:
 - 1. Provide flexible rubber gasket collar for connecting pipe to the manhole.
 - a. Comply with ASTM C923.

- b. For pipe 24-inch and smaller, use PSX gasket system by Press-Seal Gasket Corporation, or approved equal.

2.5 FIRE HYDRANTS

A. General:

- 1. Comply with AWWA C502.
- 2. Paint fire hydrants red with white caps, as selected by the Owner.
- 3. Match the fire hydrants generally installed in the Owner's water system.
- 4. Acceptable products:
 - a. East Jordan Watermaster® 5BR250.
 - b. Or approved equal.

B. Materials:

- 1. Provide compression type with a 5¼-inch minimum size main valve assembly, O-ring seals, two 2½-inch hose nozzles, and a 4½-inch pumper nozzle with National Standard threads, a National Standard operating nut, and an above ground break flange.
- 2. Provide a 6-inch auxiliary resilient seat type gate valve with restrained type joints or bituminous coated metal tie rods between the valves and the tee fittings.
 - a. Provide and install nuts, bolts, and tie rods matching the nuts and bolts used for fittings.
- 3. Provide valve boxes with cover marked with the word "WATER".
 - a. Bituminous coated carbon steel valve extension stems and 2-inch square operating nuts 2 inches below cover.
- 4. Provide valve box stabilizers on all fire hydrant auxiliary valves.
 - a. Acceptable manufacturers:
 - (1) Adaptor, Inc.
 - (2) Or approved equal.

2.6 WATER SERVICES

A. General:

- 1. Provide service saddles, corporation stops, curb stops, service boxes, and water service tubing.
- 2. Comply with the most recent edition of AWWA C800 (or NSF/ANSI 372) for service lines and service line appurtenances.

B. Materials:

- 1. Service lines: Type K soft temper seamless copper water tubing complying with ASTM B88.
- 2. Service saddles:
 - a. Provide service saddles on all water mains.
 - b. Stainless steel saddle with O-ring and grade 30 rubber grid map; Cascade styles CS22, or approved equal.
 - c. Ductile iron, epoxy coated bodies with stainless steel straps and double bolts (four bolts total) as manufactured by the specified corporation stop and curb stop manufacturer.

3. Corporation stops: Ford F600-4-NL, or approved equal.
4. Curb stops: Ford B22-444M-NL, or approved equal.
5. Services boxes: Screw type with arch pattern base, Tyler/Union 95-E, or approved equal.

2.7 TAPPING SLEEVES AND VALVES

- A. Tapping sleeves:
 1. Use two-piece bolted sleeve ductile iron or stainless steel type with mechanical joints.
 2. Provide joint accessories.
 3. Measure existing water main outside diameter to determine proper tapping sleeve size.
 4. Acceptable manufacturers:
 - a. Stainless steel: Cascade CST extra heavy duty.
- B. Tapping valves:
 1. Use fully ported gate valves complying with AWWA C500.
 2. Use mechanical joints type, McWane Ductile F-5093, or approved equal.

2.8 RESTRAINED FLANGE ADAPTOR

- A. Provide a ductile iron flange adaptor dual ring system with bolt circles compatible with 125#/Class 150 bolt pattern.
 1. Provide adaptor with individual actuated gripping wedges that utilize torque limiting screws to insure proper initial set.
 2. Set screw "only" restraining adaptors are not acceptable.
 3. Provide system that allows joint deflection of up to 5°.
 4. Provide a fluoropolymer coating to the wedge and wedge assembly and powder coating to the restraint body.
- B. Acceptable manufacturers:
 1. Series 2100 Megaflange by EBAA Iron:
 - a. Or approved equal.

PART 3 - EXECUTION

3.1 PIPE INSPECTION, HANDLING, STORAGE, AND INSTALLATION

- A. General:
 1. Install in accordance with pipe manufacturer's recommendations.

3.2 DEPTH OF PIPE COVER

- A. Install water mains and water service lines with a minimum depth of cover of six feet (6') below finished grade ground level unless otherwise indicated on the Drawings.

- B. Where new water mains cross existing water mains, install new water main below existing main unless otherwise indicated on the Drawings.

3.3 CONNECTIONS TO EXISTING WATER MAINS

- A. Make connections to existing water mains.
- B. Use non-pressure connections except where pressure connections are shown on the Drawings or required by the conditions encountered at the time of construction.
- C. Make one connection at a time except as approved by the Engineer.
- D. Do not operate the valves on the existing water mains. The employees of the Owner's Water Department will open and close the valves as required for the connections.
- E. Coordinate shutdown of existing water mains with Owner's Water Department and Engineer with a minimum of 48 hours' notice prior to shutdown.

3.4 PIPE RESTRAINING SYSTEMS

- A. General:
 - 1. Provide protection from movement of water main piping, plugs, caps, tees, valves, hydrants, and bends of 11¼ degrees or greater.
- B. Restrained joint pipe, fittings and valves:
 - 1. Provide restrained joint pipe to a distance indicated on the Drawings, or if not shown on the Drawings, to a distance not less than two pipe lengths on each side of a fitting or valve to be restrained.
 - 2. Protect all restrainers used for PVC fittings with a double layer of polyethylene wrapping or tubing.
- C. Concrete thrust blocks:
 - 1. When conditions prevent the use of restrained joints, use concrete thrust blocks of an approved type. The use of concrete thrust blocks in lieu of restrained joint pipe, fittings and valves requires written approval of the Engineer.
 - 2. Provide precast or cast-in-place concrete thrust blocking with a compressive strength of 3,000 psi in 28 days.
 - 3. Locate thrust blocking between solid ground and the fitting to be anchored.
 - 4. Unless otherwise shown or directed by the Engineer, place the base and thrust bearing sides of thrust blocking directly against undisturbed earth.
 - 5. Sides of thrust blocking not subject to thrust may be placed against forms.
 - 6. Place thrust blocking so the fitting joints will be accessible for repair.

3.5 SEWER CROSSING

- A. General:
 - 1. Separate water mains and water service lines from sanitary sewer, storm sewers, combined sewers, house sewer service connections, and drains in accordance with the "Standard Specifications for Water and Sewer Construction in Illinois".
- B. Water mains:
 - 1. Wherever water mains cross storm sewers, sanitary sewers, or sewer service connections:
 - a. Install the water main so that its invert is at least 18 inches above the top of the sewer.
 - b. Maintain this vertical separation for that portion of the water main located within 10' horizontally of any sewer or drain crossed.
 - c. Center a length of water main pipe over the sewer to be crossed with joints equidistant from the sewer or drain.
 - 2. When it is impossible to obtain the minimum 18 inches vertical separation, or when it is necessary for the water main to pass under a sewer or drain:
 - a. Construct the sewer or drain of pressure pipe, conforming to the specification for water main materials.
 - b. Extend the sewer construction on each side of the crossing until the normal distance from the water main to the sewer or drain is at least ten feet.
 - c. As an alternate, install either the water main or sewer inside a water main quality casing pipe for a distance of 10 feet measured perpendicular to the sewer on each side of the crossing.
 - 3. Where a water main must cross under a sewer:
 - a. Maintain a vertical separation of 18 inches between the invert of the sewer and the crown of the water main.
 - b. Support the sewer or drain line to prevent settling and breaking the water main.
- C. Water service lines:
 - 1. Comply with the requirements of water main separation.
- D. Sewer manholes:
 - 1. Do not install water line through sewer manhole.

3.6 VALVE BOXES

- A. General:
 - 1. Install valve boxes according to AWWA M44.
 - 2. Install valve box cover to 4" below finish grade in paved areas and flush with existing grade in unpaved areas as shown on the Details.
 - 3. Install frame and cover over valve box cover in paved areas.
- B. Frames and covers: Unless otherwise shown on the Drawings or as directed by the Engineer, set frames and covers:

1. In paved areas:
 - a. Set the valve box cover to 4" below the finished pavement grade.
 - b. Construct pavement patch to match the top of the valve box cover.
 - c. Set the full-size frame and cover over the valve box on the pavement patch so that the top of the solid cover will be flush with the finished pavement.
 - d. Complete the pavement patch to match the top of the full size cover.
2. In unpaved areas: To drain away from the valve box.

3.7 VALVE VAULTS

- A. General:
 1. Install pipe through valve vault as shown on the Detail.
 2. Make vault watertight with use of flexible manhole connectors as per the Detail.
- B. Steps:
 1. Provide each valve vault over 3 feet deep with individual wall-mounted steps as shown on the valve vault detail.
 2. Comply with the requirements of governmental agencies having jurisdiction.
- C. Jointing:
 1. Use flexible watertight gaskets for each joint.
 2. Trim smooth and free from surplus gaskets.
- D. Frames and covers: Unless otherwise shown on the Drawings or as directed by the Engineer, set frames and covers:
 1. In paved areas: So that the top of the solid cover will be flush with the finished pavement.
 2. In unpaved areas: To drain away from the valve vault.
 3. With flexible watertight gaskets.
 4. With grade rings not to exceed 8 inches.

3.8 FIRE HYDRANT INSTALLATION

- A. Install fire hydrants plumb with the lowest hose connection at least 18 inches, but not more than 26 inches, above the finished grade ground level.
- B. Set fire hydrant and auxiliary valve on precast concrete blocks to provide firm support for the bases.
- C. Brace the fire hydrant base with solid concrete blocking between the base and undisturbed trench wall to counteract the reaction thrust of water pressure at the base.
 1. Provide mechanical joint anchoring fittings, or approved restrained joints.
- D. Brace the fire hydrant barrels during backfilling.
 1. Do not block the drain hole in fire hydrant.

- E. Place a minimum of 1/2 cubic yards of washed coarse stone at and around the base for proper drainage.
 - 1. Cover stone with plastic before backfilling.
- F. Place and compact backfill materials in 6-inch layers around the fire hydrant and auxiliary gate valve.
- G. Cover new fire hydrant with plastic bag until new system is in service.

3.9 WATER SERVICE CONNECTION

- A. General:
 - 1. Make service connections at locations shown on the Drawings or determined by the Engineer at the time of construction.
 - 2. Install water service pipe, corporation stop and curb stop as shown on the standard water service installation detail.
 - 3. Set curb stop on a precast concrete block.
 - 4. Do not splice the water service pipe.
 - 5. Sequence of installation: See TESTING AND INSPECTING section of these Specifications for outline of when, in the sequence of construction, the corporation stops, curb stops, and service boxes are to be installed, leakage tested, and disinfected.
- B. Service boxes:
 - 1. Install over the curb stop in a truly vertical position.
 - 2. Set the top of the box flush with the finished grade ground level.

3.10 PVC AND HDPE WATER MAIN TRACER WIRE

- A. See Section 31 23 79 for tracer wire installation methods in open cut applications.
- B. See Section 33 05 23.13 for tracer wire installation methods in trenchless applications.

3.11 PIPE INSULATION

- A. Rigid Pipe Insulation:
 - 1. Place rigid insulation board above the pipe bedding material to the width and along the sides of the trench.
 - 2. Place rigid insulation board to the required thickness at locations as directed by the Engineer.

3.12 TESTING AND INSPECTING

- A. Sequence of installation:
 - 1. Install new water main but do not install corporation stops, service lines, curb stops, or service boxes; conduct pressure test, leakage test; and disinfection of new water main; flush main; after acceptance for use put

main into service (while existing main continues to function): Install corporation stops, curb stops, and new service boxes; and connect new service box to existing service lines.

- B. Hydrostatic tests:
1. Where any section of a water line is provided with concrete thrust blocking for fittings, do not make hydrostatic tests until at least 5 days after installation of the concrete thrust blocking, unless otherwise directed by the Engineer.
 2. Devise a method for disposal of waste water from hydrostatic tests, and for disinfection, as approved in advance by the Engineer.
- C. Pressure tests:
1. Subject the new water mains and service lines, including valves and hydrants, to a hydrostatic pressure of 125 psi.
 2. Hold the test pressure for a duration of one hour without pressure loss or further pressure application.
 3. Carefully examine exposed pipe, joints, fittings, and valves.
 4. Replace or remake joints showing visible leakage.
 5. Remove cracked pipe, defective pipe, and cracked or defective joints, fittings, and valves. Replace with sound material and repeat the test until results are satisfactory.
 6. Make repair and replacement without additional cost to the Owner.
 7. Use only solid stainless full-body repair clamps as approved by the Engineer.
- D. Leakage test:
1. Conduct a metered leakage test after the pressure test has been satisfactorily completed.
 2. Duration of each leakage test: At least 24 hours.
 3. During the test, subject water lines to a normal water pressure of the Owner's water system.
 4. Install water meter approved by the Engineer.
 - a. Provide double check valve assembly between water meter and existing water main.
 5. Maximum allowable leakage: As recorded by a meter approved by the Engineer, with leakage to not exceed the number of gallons per hour (gph) as determined by the following formula:

$$\text{gph} = LD (P^{1/2}) / 133,200$$
 in which:
 - L = Length of pipe test, in feet
 - D = Diameter of water main, in inches
 - P = Average pressure, in pounds per square inch (gage)
 6. Should any test of pipe disclose leakage greater than the maximum allowable amount, locate and repair the defective joint or joints and then repeat the 24-hour metered leakage test until the leakage is within the specified allowance, and at no additional cost to the Owner.

- E. Time for making test:
1. Except for joint material setting, or where concrete reaction backing necessitates a 5 day delay, pipelines jointed with rubber gaskets, mechanical, or push-on joints, or couplings may be subjected to hydrostatic pressure, inspected, and tested for leakage at any time after partial completion of backfill.
 2. Perform the pressure and leakage tests satisfactorily prior to requesting the Engineer to witness the official tests.
 3. Notify the Engineer at least 48 hours prior to the time of the requested official tests.
 4. Depending on traffic conditions, public hazard, or other reasons, the Engineer may direct when to conduct the tests, and may order the tests to be made in relatively short sections of water mains.

3.13 PRELIMINARY FLUSHING

- A. Prior to disinfection, flush water main as thoroughly as possible.
1. Flush water main until water runs clear.
 2. Provide a minimum flushing velocity of 2.5 feet per second in the water main.
 3. Where no fire hydrant exists on the end of a water main, the plug (or cap) on the end of the water main must be tapped with opening in the end for flushing purposes. After acceptance install threaded plug into tap.
 - a. 8", 10" and 12" mains: 2½-inch tap.
 - b. 16" mains: 3-inch tap.
 - c. Larger than 16" use temporary fire hydrants.
 4. Contractor has the option to use temporary fire hydrants in lieu of taps. Temporary fire hydrants must be removed after testing is complete.
- B. Coordinate time of flushing with Owner and Engineer, at least 72 hours in advance of flushing.
1. Do not initiate flush without Owner's permission.

3.14 DISINFECTION

- A. General:
1. After the water main work has been satisfactorily completed and tested, disinfect the work in accordance with AWWA C651, and "Standard Specifications for Water and Sewer Construction in Illinois" as modified by these Specifications.
- B. Application of chlorine:
1. Apply chlorine by gas feed or solution feed chlorinator as approved by the Owner.
 - a. Provide effective diffusion of the gas or solution into the water.
 - b. Provide means for preventing the backflow of water into the feeder.
 2. Chlorine solution:
 - a. Apply solution of sodium hypochlorite into one end of the section of main to be disinfected while filling the main with water.

- C. Requirement of chlorine:
 - 1. Initial chlorine solution in pipe: At least 50 mg/L, but not more than 100 mg/L.
 - 2. Retain the disinfecting solutions in the work for at least 24 hours.
 - 3. Chlorine residual after the retention period: At least 25 mg/L.

- D. Flushing and testing:
 - 1. Following chlorination, flush treated water thoroughly from the water mains until the chlorine concentration in the water flowing from the main is no higher than generally prevailing in the Owner's system, or less than 1 mg/L.
 - 2. After flushing, collect two water samples on successive days at least 24 hours apart in sterile bottles treated with sodium thiosulfate. Notify the Engineer and the Owner to witness sample collection.
 - 3. The Owner will deliver the samples to a State approved laboratory for bacteriological analysis.
 - 4. Should the initial disinfection result in an unsatisfactory bacterial test, repeat the chlorination and sampling procedures until satisfactory results are obtained.
 - 5. The Owner will provide the water for initial flushing and testing only. Compensate the Owner for water used in subsequent flushing and testing.

- E. Swabbing:
 - 1. Flush and swab the piping, valves, and fittings that must be placed in service immediately and cannot be disinfected by the above specified methods, with 5 percent solution of calcium hypochlorite prior to assembly.
 - a. Secure the Engineer's approval before applying this method of disinfection.

3.15 DECHLORINATION

- A. Comply with AWWA C651-05 requirements to neutralize the residual chlorine in new water mains.
- B. After new water mains have passed disinfection requirements, utilize portable diffusing dechlorinators that utilize sulfur dioxide or other chemicals listed in Appendix C of AWWA C651 to lower chlorine residuals prior to discharge to the drainage system.
 - 1. Lower concentration to 1 mg/L or less.

3.16 ABANDONMENT OF EXISTING WATER MAINS AND APPURTENANCES

- A. Abandon water mains indicated on the Drawings as "to be retired" only after all requirements for testing and disinfection have been satisfied and all existing services have been connected to new water mains.

- B. Provide concrete plugs in all water main pipes to be abandoned at the limits of the trench excavations, or at other locations if so indicated by the Drawings.
- C. See Section 31 23 79 for grouting of abandoned pipes in highway right of way.
- D. Provide ductile iron plugs, caps, or other necessary fittings, and thrust blocking, on ends of portions of existing water mains that are to remain in service.
- E. Close existing water valves only with the permission of the Engineer.
- F. Remove valves and valve boxes, and fill excavation with compacted granular material.
- G. Close valve, leave valve in place, but remove valve box to top of existing valve, and fill excavation with compacted granular material.
- H. Remove valves and valve vaults to top of pipe, and backfill with compacted granular backfill material.
- I. Close valve, leave valve in place, remove frame and lid and top section of valve vault, and backfill excavation with compacted granular material.
- J. Remove fire hydrants in total, including auxiliary box, and backfill excavation with compacted granular material.
- K. Deliver fire hydrants, hydrant valves and boxes, and frames and lids to the Owner's Public Works Department.
- L. Where abandonment of existing water mains or appurtenances require work outside of the work zone, restore area of work as indicated on the Drawings or Section 32 92 00 of the Specifications.
- M. Removal of existing water mains that are being replaced by new water mains in the same location is considered incidental to the installation of the new water main and no additional compensation will be allowed.

END OF SECTION

SECTION 33 41 43
STORM SEWER SYSTEM

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide storm sewer system as shown on the Drawings, as specified herein, and as needed for a complete and proper installation.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and Division 01 - General Requirements of these Specifications.
- C. References – (Reserved).

1.2 SUBMITTALS

- A. Shop Drawing Submittals – (Reserved).
- B. Operation and Maintenance Manuals – (Reserved).
- C. Certificates and Guarantees – (Reserved).
- D. Spare Parts – (Reserved).

1.3 QUALITY ASSURANCE – (Reserved).

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Comply with pertinent provisions of Section 01 66 11.

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

PART 2 - PRODUCTS

2.1 PIPE AND FITTINGS

- A. Concrete pipe:
 - 1. Reinforced concrete pipe (RCP):
 - a. Comply with ASTM C76.
 - b. Use Class IV unless otherwise designated on Drawings.

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2. Branch Fittings:
 - a. RCP wye or tee fitting.
 - b. Flexible watertight tee service connector.
 - (1) Acceptable manufacturer's: KOR-N-TEE by NPC systems; or approved equal.
 3. Joints: Use one of the following types:
 - a. Rubber ring gasket complying with ASTM C443.
 - b. Preformed bituminous plastic gasket consisting of a homogeneous blend of refined hydrocarbon resins and plasticizing compound reinforced with inert mineral filler similar to RAM-NEK manufactured by K. T. Snyder Company, or Type CS-208 manufactured by Concrete Sealants, Inc., or equal.
 - c. Bituminous mastic joints of the cold-applied type, consisting of oakum and a homogeneous blend of bitumen, inert filler and suitable solvent of such consistency that it can be applied to the joints with a trowel when the air temperature is between 20 degrees F and 100 degrees F.
 4. Match fittings and specials with the pipe in all respects.
- B. PVC solid wall sewer pipe:
1. For pipe and fittings 4-inch through 15-inch:
 - a. Comply with ASTM D3034 for Type PSM polyvinyl chloride (PVC) sewer pipe and fittings of minimum wall thickness SDR 26.
 - b. Joints: Use either the solvent-weld type complying with ASTM D2564 and ASTM D2855, or the elastomeric gasket type complying with ASTM D1869 AND ASTM D3212.
 2. For pipe and fittings 18-inch through 24-inch:
 - a. Comply with ASTM F679 for polyvinyl chloride (PVC) large diameter gravity sewer pipe and fittings of minimum wall thickness T-1.
 - b. Joints: Use integral bell gasketed type with elastomeric gaskets to form a watertight seal complying with ASTM F477 or ASTM D3212.
 3. Use the products of one manufacturer only for pipe and fittings. Do not mix pipe and fittings of different manufacturers.
 4. Branch fittings: Use either factory fabricated type with attached main line coupling, or solvent welded saddle type attached to the pipe with cement and held in place with stainless steel bands.
 5. Risers and house service pipe and fittings: Use SDR 26, solid wall type complying with ASTM D2751 for ABS pipe and ASTM D 3034 for PVC pipe.
- C. PVC plastic pressure pipe:
1. Pipe material: Use Type I, Grade 1, polyvinyl chloride complying with ASTM D-1784.
 2. Comply with ASTM D-2241 for 160 psi pressure rated pipe with a standard dimension ratio of 26.
 3. Joints:
 - a. Underground pipe: Use push-on bell and spigot type with rubber ring seal gasket conforming to ASTM D-3139.
 4. Branch fittings:

- a. Use factory fabricated type with attached main line coupling, with same rating as pipe.
 - 5. Risers and service pipe:
 - a. Use ASTM D-2241, 160 psi pressure pipe, SDR 26.
 - 6. Adapters:
 - a. Use PVC adapters specifically made for purpose of changing from PVC pressure to PVC gravity pipe.
 - b. Acceptable manufacturer: Harco, or equal.
- D. Couplings:
 - 1. Provide flexible rubber couplings with adjustable stainless steel bands complying with ASTM C425 for connecting new pipe to existing sewer pipe and for repairing sewer pipe.
 - a. Acceptable products: Band-Seal Couplings by Mission Clay Products Corp., or equal.

2.2 MANHOLES, CATCH BASINS, AND INLETS

- A. Precast:
 - 1. Provide precast reinforced concrete manhole sections, bottoms, and flat top slabs complying with ASTM C478, or reinforced concrete pipe sections complying with ASTM C76, unless otherwise indicated on Drawings.
 - 2. Provide eccentric cone section unless otherwise indicated on the Drawings.
 - 3. Provide precast reinforced concrete monolithic or separate base.
 - 4. Design flat top for H-20 loading.
- B. Concrete:
 - 1. Provide 4000 psi concrete using Type I Portland Cement complying with ASTM C150.
- C. Mortar:
 - 1. Mix one part Portland Cement to three parts fine aggregate.
- D. Joints for precast sections:
 - 1. Provide tongue and groove joints with either flexible watertight rubber gaskets or preformed bituminous plastic gaskets consisting of a homogeneous blend of refined hydrocarbon resins and plasticizing compound reinforced with inert mineral filler.
 - a. Acceptable preformed gasket products:
 - (1) K. T. Snyder Co., RAM-NEK.
 - (2) Concrete Sealants, Type CS-102.
 - (3) Or equal.
- E. Steps:
 - 1. Provide steps with a minimum width of 12 inches and a minimum projection of 5 inches.

2. Use steps consisting of copolymer polypropylene plastic with a continuous 1/2-inch steel reinforcement as manufactured by M.A. Industries, Inc., or cast iron steps, Neenah R-1981-I, or equal.

F. Frames and covers:

1. Provide gray cast iron frames and covers unless otherwise indicated on the Drawings.
2. Manhole frames and covers: Use Type 1 frame and closed lid unless otherwise indicated on the Drawings.
3. Catch basin frames and grates: Use the types indicated on the Drawings.
4. Type 1 frames and closed lids: Heavy duty, indented top solid lid, stamped with the word "STORM" and "VILLAGE OF ARLINGTON HEIGHTS".
 - a. Acceptable products: Neenah R-1713, East Jordan 1050 EXHD, or equal.
 - b. See plans for Owner's Cover Detail.
5. Type 1 frames and open lids: Heavy duty, Neenah R-2504 with Type D grates, or equal.
6. Type 8 grates: Beehive type, Neenah R-4340-B, or equal.
7. Type 11 curb inlet frames and grates: For 6-inch high barrier curbs, Neenah R-3281-A, or equal.
8. Type 12 curb inlet frames and grates: For 3-inch or 4-inch high mountable curbs, Neenah R-3501-P, or equal.
9. Drainage grates for pipe bells: Neenah R-4030 series, or equal.
10. Adjusting grade rings: Neenah R-1979, Type A, or equal.

2.3 GROUT FOR FILLING OF ABANDONED SEWERS

A. Cellular grout:

1. Low density cellular concrete capable of being mixed on site and pumped into place through a 2-inch hose.
2. Foaming agent complying with ASTM C869.
3. Portland Cement: ASTM C150, Type I or Type II.
4. Contents: cement, fly ash, water and foaming agent.
5. Minimum net density: 70 pcf.
6. Acceptable manufacturer:
 - a. Mearl Geofoam Liquid Concentrate.
 - b. Or equal.

PART 3 - EXECUTION

3.1 SURFACE CONDITIONS

- A. Examine the areas and conditions under which work of this Section will be performed. Correct conditions detrimental to timely and proper completion of the Work. Do not proceed until unsatisfactory conditions are corrected.

3.2 FIELD MEASUREMENTS

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- A. Make necessary measurements in the field to assure precise fit of items in accordance with the Drawings.

3.3 PIPE INSTALLATION

- A. General:
 - 1. Trench, backfill, and compact for the work of this Section in strict accordance with pertinent provisions of Section 31 23 79 of these Specifications.
 - 2. Install pipe in accordance with pipe manufacturer's recommendations.
 - 3. Lay pipe by proceeding upgrade with the spigot ends of bell-and-spigot pipe pointing in direction of flow.
 - 4. Lay each pipe accurately to the indicated line and grade, aligning so the sewer has a uniform invert.
 - 5. Continually clear interior of the pipe free from foreign material.
 - 6. Before making pipe joints, clean and dry all surfaces of the pipe to be joined.
 - 7. Use lubricants, primers, and adhesives recommended for the purpose by the pipe manufacturer.
 - 8. Comply with ASTM D2321 for flexible thermoplastic pipe installation.
- B. Water main separation:
 - 1. Whenever water mains are encountered in the course of sewer construction, notify the Engineer to determine the construction necessary to comply with the provisions of Sections 31-1.02A of the "Standard Specifications for Water and Sewer Main Construction in Illinois".
- C. Public and private well separation:
 - 1. Whenever public or private wells are encountered in the area during the course of sewer construction, notify the Engineer to determine the construction requirements necessary to comply with rules and regulations set forth by the governing authorities.
- D. Ductile iron storm sewer and service lines:
 - 1. Protect pipe and fittings installed in corrosive soils containing cinders or having a high organic content by loose wrapping or tubing with polyethylene sheet.
 - a. Place polyethylene sheet or tube around the entire circumference of the pipe, tie or tape sheet securely to prevent displacement during backfilling.
 - b. Comply with ANSI/AWWA A21.5-99/C105 regarding installation of polyethylene protection.

3.4 MANHOLES, CATCH BASINS, AND INLETS

- A. General:

1. Shape the invert channels to be smooth and semicircular, conforming to the inside of the adjacent sewer section.
2. Make changes in direction of flow with a smooth curve of as large a radius as the size of the manhole will permit.
3. Make changes in size and grade of channels smoothly and evenly.
4. Form the invert channels directly in the concrete of the manhole base, with mortar, or by laying full section sewer pipe through the manhole and breaking out the top half after surrounding concrete has hardened. Do not use preformed invert channels.
5. Smooth the bench outside the channels, and slope toward the channels at not less than 1-inch per foot not more than 2 inches per foot.

B. Manhole steps:

1. Provide each manhole over 3 feet deep with individual wall-mounted steps as shown on the manhole detail.
2. Comply with the requirements of governmental agencies having jurisdiction.
3. Do not locate steps directly above where pipes enter the manhole.

C. Jointing:

1. Use gaskets for each joint.
2. Trim smooth and free from surplus gaskets.

D. Frames and covers: Unless otherwise shown on the Drawings or as directed by the Engineer, set frames and covers:

1. So that the top of the solid cover will be flush with the finished pavement; or
2. With flexible watertight rubber gaskets or preformed bituminous plastic gaskets.
3. With grade rings not to exceed 8 inches.

3.5 MANHOLE OVER EXISTING PIPE

- A. Construct new manhole as specified, breaking upper half of existing pipe after base of manhole is completed so as not to obstruct flow of the existing pipe.

3.6 MANHOLE ADJUSTMENT

A. General:

1. Install manholes to an elevation that will allow installation of frame and grate at the final pavement grade at time of paving.

- B. Utilize concrete adjusting rings to set frame and grates at temporary elevation until time of street paving work.

- C. Adjust frames and grates to match final surface elevations at time of street paving.

3.7 TESTING AND INSPECTION

- A. Deflection test for flexible thermoplastic pipe:
 1. Test the deflection in the initial 1,200 feet of installed ABS, PVC, and other flexible thermoplastic pipe and not less than 10 percent of the remainder of the sewer project at random locations selected by the Engineer.
 2. Perform the test no sooner than 30 days after backfilling has been completed.
 3. Perform the test by pulling a mandrel or rigid ball having a diameter of the pipe through the pipe from manhole to manhole without using mechanical pulling devices.
 4. Allowable deflection limits: 5.0 percent of the base inside diameter of the PVC pipe or the average inside diameter of the ABS pipe.
 5. Wherever the deflection limitation is exceeded, uncover the pipe, carefully replace compacted embedment and backfill material, and retest for deflection.
 6. In the event 10 percent of more of the sewer tested exceeds the allowable deflection limits, test the entire sewer system.

3.8 STORM SEWER AND STRUCTURE ABANDONMENT

- A. General:
 1. Plug all pipes to be abandoned outside of new storm sewer trench limits with brick and mortar and at manholes to be abandoned. Lay bricks lengthwise to the sewer axis and the pipe. Seal the pipe opening with mortar.
 2. Salvage and deliver the frame and grate to the Owners Public Works Department.
 3. Remove the manhole adjusting rings, corbel, and manhole walls to top of lowest storm sewer piping.
 4. Fill the manhole with granular backfill material.
 5. Restore the surface in accordance with Sections 32 10 00 and 32 92 00

END OF SECTION

VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS

2025 WATER MAIN REPLACEMENT PROGRAM

EUCLID AVENUE WATER MAIN IMPROVEMENTS

FINAL DESIGN
FOR BIDDING

IDOT STANDARD DRAWINGS

- 424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424021-06 DEPRESSED CORNER FOR SIDEWALKS
- 442201-03 CLASS C AND D PATCHES
- 602001-02 CATCH BASIN TYPE A
- 602301-04 INLET TYPE A
- 602402-03 PRECAST MANHOLE TYPE A, 5 FT' DIAMETER
- 606001-08 CONCRETE CURB TYPE B AND CONCRETE CURB AND GUTTER
- 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701502-09 URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
- 701606-10 URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-10 TRAFFIC CONTROL DEVICES

IDOT DISTRICT 1 STANDARD DETAILS

- TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- TC-21 DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
- TC-26 DRIVEWAY ENTRANCE SIGNING

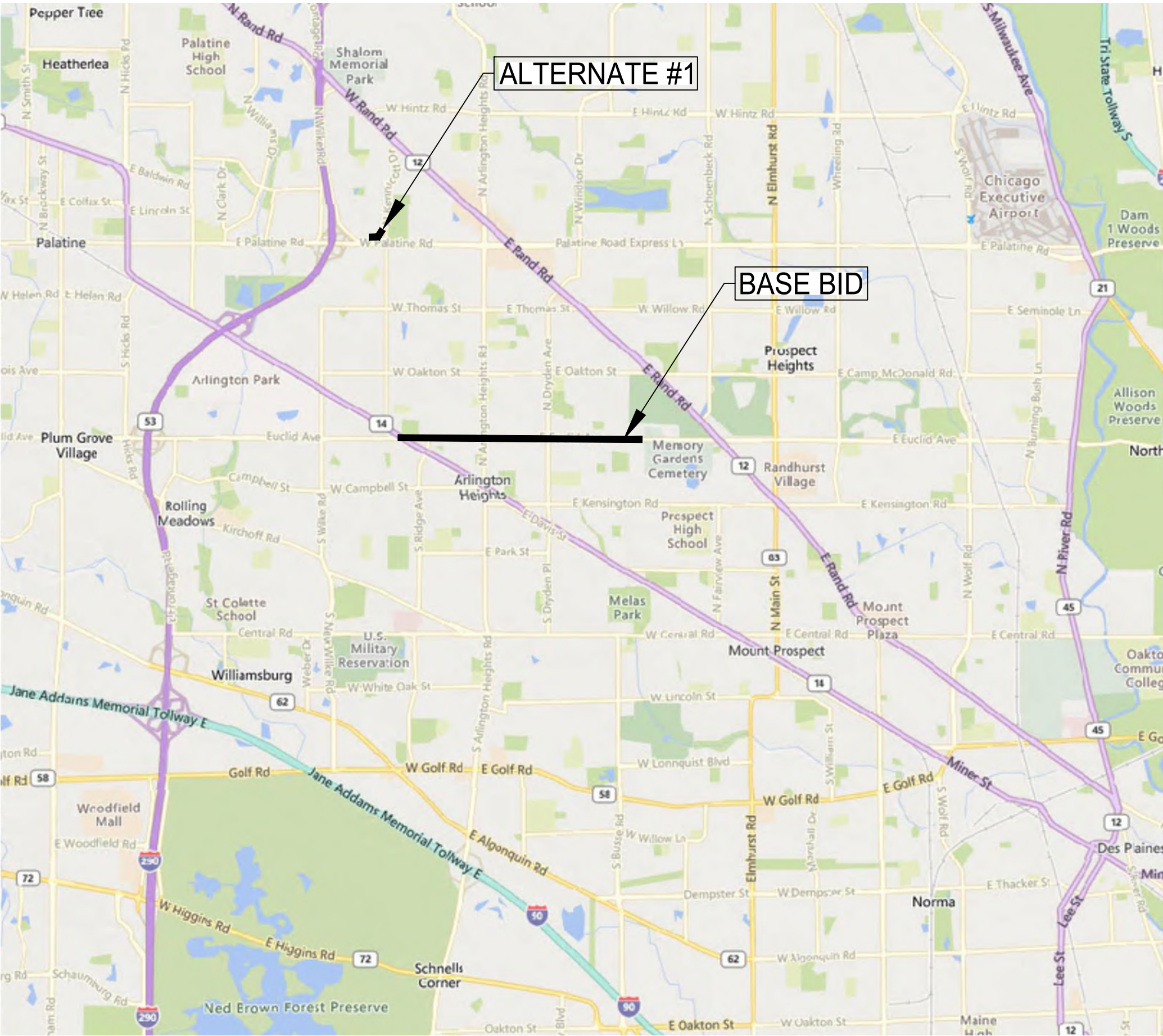
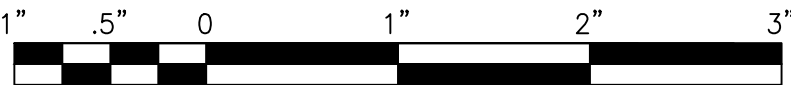
JULIE DESIGN STAGE REQUEST
DIG NO. A242821709

EXISTING UTILITIES:

WHERE THE DRAWINGS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES. THE INFORMATION IS INCLUDED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. THE UTILITY LOCATIONS WERE DETERMINED FROM THE BEST AVAILABLE RECORDS. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATEVER WITH RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE DRAWINGS REGARDING THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. THE CONTRACTOR SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION REGARDING THE LOCATION OF THE UTILITY FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THE FACILITIES.



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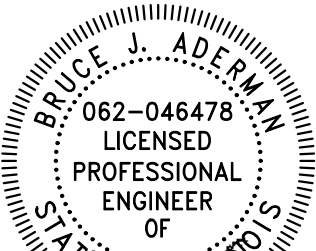


VICINITY MAP



Sheet List Table

Sheet Number	Sheet Title
1	COVER
2	LEGEND, ABBREVIATIONS AND BENCHMARKS
3	GENERAL NOTES AND SEQUENCE OF CONSTRUCTION
4	MAINTENANCE OF TRAFFIC GENERAL NOTES, STANDARDS
5	MAINTENANCE OF TRAFFIC DETOUR PLAN
6	W. EUCLID AV. MAINTENANCE OF TRAFFIC PLAN
7	W. EUCLID AV. MAINTENANCE OF TRAFFIC PLAN
8	US 14- W NORTHWEST HWY MAINTENANCE OF TRAFFIC PLAN
9	ARLINGTON HEIGHTS RD MAINTENANCE OF TRAFFIC PLAN STAGE 1
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11	EUCLID AVENUE STA 10+00 TO STA 15+00 PLAN AND PROFILE
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16	EUCLID AVENUE STA 35+00 TO STA 40+00 PLAN AND PROFILE
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18	EUCLID AVENUE STA 45+00 TO STA 50+00 PLAN AND PROFILE
19	EUCLID AVENUE STA 50+00 TO STA 54+50 PLAN AND PROFILE
20	EUCLID AVENUE STA 54+50 TO STA 60+00 PLAN AND PROFILE
21	EUCLID AVENUE STA 60+00 TO STA 65+00 PLAN AND PROFILE
22	EUCLID AVENUE STA 65+00 TO STA 70+00 PLAN AND PROFILE
23	EUCLID AVENUE STA 70+00 TO STA 74+50 PLAN AND PROFILE
24	EUCLID AVENUE STA 74+50 TO STA 79+50 PLAN AND PROFILE
25	EUCLID AVENUE STA 79+50 TO STA 85+00 PLAN AND PROFILE
26	EUCLID AVENUE STA 85+00 TO STA 90+00 PLAN AND PROFILE
27	EUCLID AVENUE STA 90+00 TO STA 94+50 PLAN AND PROFILE
28	EUCLID AVENUE STA 94+50 TO STA 100+00 PLAN AND PROFILE
29	EUCLID AVENUE STA 100+00 TO STA 104+50 PLAN AND PROFILE
30	EUCLID AVENUE STA 104+50 TO STA 109+25 PLAN AND PROFILE
31	FORREST AVENUE STA 110+00 TO STA 113+00 PLAN AND PROFILE
32	EUCLID AVENUE STA 10+00 TO STA 20+50 RESTORATION PLAN
33	EUCLID AVENUE STA 40+00 TO STA 45+00 RESTORATION PLAN
34	ALTERNATE 1 - GREENBRIAR COURT PLAN
35	CONSTRUCTION DETAILS
36	CONSTRUCTION DETAILS
37	CONSTRUCTION DETAILS



Bruce J. Adelman
PROJECT MANAGER
"LICENSE EXPIRES 11-30-2025"



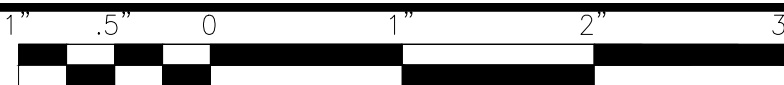
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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025

PROJECT NO.: 2401308

DATE: 2/28/25

P:\ARL\2401308-WATER MAIN IMPROVEMENT PROJECT\W\CAD\01_CIVIL\30\01_SHTS-PLANS\2401308-EUCLID_WM_COVER_GEN_DET.DWG COVER
Plotted: 2/28/2025 11:45 AM By: ANACINO



LEGEND

EXISTING		PROPOSED
	SANITARY SEWER OR SERVICE	
	STORM SEWER OR SERVICE	
	WATER MAIN	
	WATER SERVICE	
	FORCE MAIN	
	MANHOLE	
	CATCH BASIN	
	INLET	
	DRYWELL	
	FLARED END SECTION	
	FIRE HYDRANT	
	WATER VALVE W/ BOX AND COVER	
	WATER VALVE VAULT	
	WATER SERVICE BOX OR CURB STOP	
	TEE FITTING	
	SLEEVE FITTING	
	90° FITTING	
	45° FITTING	
	REDUCER FITTING	
	PLUG/CAP FITTING	
	CROSS FITTING	
	WATER METER	
	CLEAN OUT	
	SEPTIC VENT	
	TO BE ABANDONED AND/OR REMOVED	
	GAS LINE	
	GAS VALVE W/ BOX AND COVER	
	GAS VALVE VAULT	
	GAS METER	
	GAS RISER	
	GAS SERVICE VALVE	
	TELEPHONE CABLE	
	TELEPHONE DUCT	
	TELEPHONE VAULT	
	TELEPHONE RISER	
	CABLE TELEVISION (BURIED)	
	CABLE T.V. RISER	
	CABLE T.V. VAULT	
	UNDERGROUND ELECTRICAL	
	ELECTRIC METER	
	PAD MOUNTED TRANSFORMER	
	ELECTRIC VAULT	
	JUNCTION BOX	
	UTILITY POLE w/ GUY ANCHOR	
	UTILITY POLE w/ LIGHT	
	LIGHT STANDARD	
	MAIL BOX	

WATER SERVICE LINE MATERIALS AND REPLACEMENT KEY

THE BELOW DESIGNATIONS ARE USED TO INDICATE SUSPECTED WATER SERVICE LINE MATERIALS FOR EACH PROPERTY. CONTRACTOR TO CONFIRM WATER SERVICE MATERIALS.

MATERIAL/MATERIAL	WATER SERVICE LINE NOT ANTICIPATED TO BE IMPACTED BY WORK
MATERIAL/MATERIAL	WATER SERVICE LINE ANTICIPATED TO BE IMPACTED BY WORK.
	SUSPECTED MATERIAL TYPE COMBINATIONS INCLUDE THE FOLLOWING:
LEAD/LEAD	PUBLIC SIDE: LEAD / PRIVATE SIDE: LEAD
LEAD/COPPER	PUBLIC SIDE: LEAD / PRIVATE SIDE: COPPER
COPPER/LEAD	PUBLIC SIDE: COPPER / PRIVATE SIDE: LEAD
COPPER/COPPER	PUBLIC SIDE: COPPER / PRIVATE SIDE: COPPER

LEGEND

EXISTING		PROPOSED
	STREET SIGN	
	RAILROAD SIGNAL	
	TRAFFIC SIGNAL CONTROLLER	
	TRAFFIC SIGNAL POST W/ SIGNAL HEAD	
	HANDHOLE	
	DECIDUOUS TREE (W/ TRUNK INCH DIA.)	(HATCHED SHALL BE REMOVED)
	CONIFEROUS TREE (W/ HEIGHT)	(HATCHED SHALL BE REMOVED)
	DECIDUOUS BUSH	
	CONIFEROUS BUSH	
	DEFINING EDGE OF BRUSH OR FORESTED AREA	
	FENCE	
	GUARD RAIL	
	CULVERT (CMP UNLESS NOTED)	
	DITCH	
	SUMMIT	
	EDGE OF LAKE, RIVER, ETC.	
	MARSH	
	TOP OR TOE OF SLOPE	
	CONTOUR	
	EASEMENT	
	RIGHT OF WAY (ROW)	
	FENCED RIGHT OF WAY (ROW)	
	RIGHT OF WAY MONUMENT	
	UNFENCED PROPERTY LINE	
	FENCED PROPERTY LINE	
	IRON PIPE (PROPERTY CORNER)	
	CORPORATE LIMITS	
	BASE LINE OR SURVEY LINE	
	CENTER LINE	
	PROPOSED EL./(EXISTING EL.) (POINT, GUTTER, TOP OF CURB)	
	SOIL BORING AND NUMBER	
	BENCH MARK	
	SURVEY CONTROL POINT	

ABBREVIATIONS

E&G	CURB AND GUTTER	X=	EXTERNAL DISTANCE OF VERTICAL CURVE
BC	BACK OF CURB	PC	POINT OF CURVATURE
EOP	EDGE OF PAVEMENT	PI	POINT OF INTERSECTION
PL	PROPERTY LINE	PT	POINT OF TANGENCY
ROW	RIGHT OF WAY	POT	POINT ON TANGENT
FL	FLOW LINE	PCC	POINT OF COMPOUND CURVATURE
TF	TOP OF FRAME	PRC	POINT OF REVERSE CURVE
TC	TOP OF CURB OR CONCRETE	VC	VERTICAL CURVE
R	STRUCTURE TO BE RECONSTRUCTED	N&W	NAIL AND WASHER
A	STRUCTURE TO BE ADJUSTED	TCE	TEMPORARY CONSTRUCTION EASEMENT
	▲CENTRAL ANGLE	SS	STORM SEWER
D=	DEGREE OF CURVE	SAN SEW	SANITARY SEWER
T=	TANGENT LENGTH	PROP	PROPOSED
L=	CURVE LENGTH	STN STL	STAINLESS STEEL
R=	RADIUS OF CURVE	RJT	RESTRAINED JOINT
E=	EXTERNAL DISTANCE	HDD	HORIZONTAL DIRECTIONALLY DRILLED
SE=	SUPERELEVATION (FT. PER FT. OF WIDTH)	LF	LINEAR FEET

BENCHMARKS (NAVD 88 DATUM)

B.M. # 51		MINI RAILROAD SPIKE SET IN NORTH FACE OF POWER POLE WITH LIGHT LOCATED AT SOUTHWEST CORNER AT INTERSECTION OF EUCLID AVENUE AND WATERMAN AVENUE ELEV. = 673.477
B.M. # 52		MINI RAILROAD SPIKE SET IN SOUTH FACE OF POWER POLE LOCATED ON NORTHEAST CORNER AT INTERSECTION OF EUCLID AVENUE AND IRONWOOD DRIVE ELEV. = 672.967
B.M. # 53		CHISELED "X" CUT INTO CURB LOCATED ON EAST SIDE OF THE ENTRANCE OF ADDRESS 1903 EAST EUCLID AVENUE ELEV. = 677.15
B.M. # 54		MINI RAILROAD SPIKE SET IN NORTH FACE OF POWER POLE LOCATED AT INTERSECTION OF EUCLID AVENUE AND CLOSED EXIT OF GIBBONS AVENUE ELEV. = 677.23
B.M. # 55		MINI RAILROAD SPIKE SET IN SOUTH FACE OF POWER POLE LOCATED AT INTERSECTION EUCLID AVENUE AND CLOSED EXIT OF WILSHIRE LANE ELEV. = 674.62
B.M. # 56		MINI RAILROAD SPIKE SET IN SOUTH FACE OF POWER POLE WITH LIGHT LOCATED AT INTERSECTION EUCLID AVENUE AND THE CLOSED EXIT OF WINDSOR DRIVE ELEV. = 680.092
B.M. # 57		MINI RAILROAD SPIKE SET IN SOUTH FACE OF POWER POLE LOCATED AT THE NORTH PARKWAY OF EUCLID AVENUE 50 FEET WEST OF DERBYSHIRE AVENUE ELEV. = 683.454
B.M. # 58		CHISELED SQUARE CUT ON SOUTHEAST CORNER OF THE HANDHOLE LOCATED AT SOUTHEAST CORNER AT INTERSECTION OF EUCLID AVENUE AND DRYDEN AVENUE ELEV. = 678.574
B.M. # 59		SOUTHEAST ARROW BOLT SET IN FIRE HYDRANT LOCATED AT SOUTHEAST CORNER AT INTERSECTION OF EUCLID AVENUE AND BEVERLY LANE ELEV. = 676.475
B.M. # 61		NORTHWEST ARROW BOLT SET IN FIRE HYDRANT LOCATED AT SOUTHWEST CORNER AT INTERSECTION OF EUCLID AVENUE AND BELMONT AVENUE ELEV. = 698.249
B.M. # 62		CHISELED SQUARE CUT INTO SOUTHEAST CORNER OF THE DOUBLE HANDHOLE LOCATED AT NORTHEAST CORNER AT INTERSECTION OF EUCLID AVENUE AND ARLINGTON HEIGHTS ROAD ELEV. = 701.773
B.M. # 63		NORTHWEST ARROW BOLT SET IN FIRE HYDRANT LOCATED AT SOUTHEAST CORNER AT INTERSECTION OF EUCLID AVENUE AND EVERGREEN AVENUE ELEV. = 709.949
B.M. # 64		NORTHEAST ARROW BOLT SET IN FIRE HYDRANT LOCATED AT NORTHWEST CORNER AT INTERSECTION OF EUCLID AVENUE AND VAIL AVENUE ELEV. = 714.969
B.M. # 65		MINI RAILROAD SPIKE SET IN THE NEW POWER POLE LOCATED AT SOUTHEAST CORNER OF EUCLID AVENUE AND CHESTNUT AVENUE ELEV. = 721.417
B.M. # 66		CHISELED SQUARE CUT INTO SOUTHEAST CORNER OF HANDHOLE LOCATED 150 FEET EAST OF INTERSECTION OF EUCLID AVENUE AND WALNUT AVENUE ELEV. = 717.668
B.M. # 67		MINI RAILROAD SPIKE SET IN NORTHEAST FACE OF POWER POLE LOCATED OF SOUTHWEST CORNER AT INTERSECTION OF EUCLID AVENUE AND RIDGE AVENUE ELEV. = 716.569
B.M. # 68		CHISELED SQUARE CUT IN NORTHWEST CORNER OF THE TRAFFIC SIGNAL HANDHOLE LOCATED AT NORTHEAST CORNER AT INTERSECTION OF EUCLID AVENUE AND NORTHWEST HIGHWAY ELEV. = 716.569

FINAL DESIGN FOR BIDDING

	CONSULTANTS	REVISED –	VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS 2025 WATER MAIN REPLACEMENT PROGRAM EUCLED AVENUE WATER MAIN IMPROVEMENTS	LEGEND, ABBREVIATIONS AND BENCHMARKS			DESIGNED – RMM/WJW	TOTAL SHEETS	SHEET NO.
		REVISED –					DRAWN – ABN	37	2
		REVISED –					CHECKED – BJA		
		REVISED –		SCALE: AS NOTED	PROJECT NO: 2401308	DATE – 2/28/25			

P:\ARLHT\2401308-WATER MAIN IMPROVEMENT PROJECT M\CAD\01_CIVIL 3D\01_SHTS--PLANS--EUCUD_WM--COVER_GEN_DET.S.DWG GEN (2)
Plotted: 2/28/2025 11:45 AM By: ANACINO
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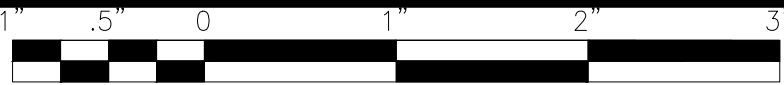
CONSULTANTS	REVISED --
	REVISED --
	REVISED --
	REVISED --

VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCUD AVENUE WATER MAIN IMPROVEMENTS

GENERAL NOTES AND SEQUENCE OF CONSTRUCTION	
SCALE: AS NOTED	PROJECT NO: 2401308

DESIGNED -- RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN -- ABN	37	3
CHECKED -- BJA		
DATE -- 2/28/25		

FINAL DESIGN
FOR BIDDING



GENERAL NOTES

- VERIFY LOCATION, SIZE AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION OF THE WATER MAIN. THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THE DRAWINGS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER AND OWNER DO NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES AND LOCATE UTILITIES PRIOR TO ANY WORK.
- WHENEVER IT BECOMES NECESSARY TO RELOCATE UNDERGROUND GAS MAINS, TELEPHONE CONDUIT, OR ELECTRICAL LINES OR SUPPORT OR RELOCATE UTILITY POLES, THE UTILITY COMPANY INVOLVED WILL MAKE SUCH RELOCATION OR PROVIDE POLE SUPPORT. NOTIFY THE UTILITY COMPANY PROMPTLY. THIS WORK WILL BE INCIDENTAL TO THE CONTRACT.
- WHEREVER OBSTRUCTIONS NOT SHOWN ON THE DRAWINGS ARE ENCOUNTERED DURING THE PROGRESS OF THE WORK AND INTERFERE TO SUCH AN EXTENT THAT ALTERATIONS TO THE DRAWINGS ARE REQUIRED, THE ENGINEER SHALL BE NOTIFIED PRIOR TO ANY CHANGES.
- PROVIDE 48 HOURS ADVANCE NOTICE TO THE VILLAGE WHEN CONNECTIONS TO THE EXISTING MAIN WILL BE MADE. COORDINATE SHUTDOWN OF EXISTING MAINS WHEN REQUIRED WITH THE VILLAGE'S WATER DIVISION SUPERVISOR. SCHEDULE THE WORK TO MINIMIZE THE NUMBER AND LENGTH OF SHUTDOWNS. PROVIDE WRITTEN NOTIFICATION OF SHUTDOWNS TO WATER USERS AFFECTED 24 HOURS IN ADVANCE.
- PROVIDE PROPERTY OWNERS ADVANCE NOTICE OF CONSTRUCTION ACTIVITIES THAT WILL RESTRICT THE USE OF THEIR DRIVEWAYS. COORDINATE TEMPORARY DRIVEWAY AND ROADWAY CLOSURES WITH THE VILLAGE AND PROPERTY OWNERS.
- NO STOCKPILING WILL BE PERMITTED ON THE PARKWAY NEAR ANY TREE PROTECTION AREAS. DO NOT STORE BEDDING AND BACKFILL MATERIALS, PIPES, FITTINGS OR VAULTS IN AREAS THAT WILL OBSTRUCT SIGHT LINES FOR ENTERING OR EXITING STREETS AND DRIVEWAYS. COORDINATE MATERIAL STORAGE LOCATIONS WITH THE ENGINEER/VILLAGE. THE VILLAGE WILL NOT PROVIDE STOCKPILING FOR SPOILS. CONTRACTOR SHALL HAUL OFF SITE ONGOING THROUGHOUT THE DAY.
- ALL PROPOSED WATER MAIN AND SERVICES UNDER AND WITHIN 2' OF PAVEMENT OR SIDEWALK SHALL BE BACKFILLED WITH TRENCH BACKFILL WHICH SHALL BE CRUSHED STONE, GRADATION CA 6 OR CA 11.
- INSTALL NEW WATER MAIN WITH A MINIMUM OF 5'-0" OF COVER BELOW EXISTING OR PROPOSED FUTURE GROUND SURFACE WHICHEVER IS LOWER IN ELEVATION, UNLESS GREATER DEPTH IS REQUIRED TO AVOID EXISTING UTILITIES OR WHERE INDICATED ON THE DRAWINGS.
- LOCATE PRESSURE CONNECTIONS, IF INDICATED ON THE DRAWINGS OR WHEN DIRECTED BY THE ENGINEER, A MINIMUM OF 2 FEET FROM ANY EXISTING REPAIR SLEEVES OR PIPE JOINTS. CONDUCT EXPLORATORY EXCAVATIONS AS REQUIRED. COST FOR EXPLORATION SHALL BE INCIDENTAL TO WATER MAIN CONSTRUCTION.
- CONTRACTOR IS REQUIRED TO MEET PRESSURE TESTING REQUIREMENTS FOR ALL NEW WATER MAINS REGARDLESS OF CONDITION OF EXISTING VALVES. PROVIDE TEMPORARY PLUGS AND HYDRANTS FOR FLUSHING AND PROVISIONS FOR BLOCKING AT CONNECTION POINTS IF NECESSARY TO MEET TESTING REQUIREMENTS. INCLUDE THE COST FOR TEMPORARY MEASURES IN THE COST OF THE CONNECTION.
- INSTALL REPLACEMENT WATER MAIN UP TO PROPOSED CONNECTION POINT WITH EXISTING WATER MAIN(S) AND TEMPORARILY PLUG. REMOVE TEMPORARY PLUG AND CONNECT TO THE EXISTING WATER MAIN(S) ONCE THE NEW WATER MAIN HAS BEEN SUCCESSFULLY TESTED AND DISINFECTED (NON-PRESSURE CONNECTION). PLUG ENDS OF PIPE TO BE ABANDONED AS INDICATED IN THE FOLLOWING NOTE.
- USE MECHANICAL JOINT FITTINGS TO PLUG/CAP EXISTING MAINS TO REMAIN IN SERVICE AND FOR EXISTING WATER MAINS TO BE ABANDONED. INCLUDE THE COST OF THE FITTING IN THE COST FOR THE CONNECTION OR ABANDONMENT.
- PROVIDE A TEMPORARY COVERING OVER ALL NEW FIRE HYDRANTS UNTIL ALL NEW WATER MAINS ARE PUT INTO SERVICE AND NEW FIRE HYDRANTS ARE OPERABLE.
- SUCCESSFULLY TEST AND DISINFECT WATER MAIN PRIOR TO MAKING WATER SERVICE CONNECTIONS.
- ABANDON EXISTING WATER MAIN ONCE ALL NEW SERVICES ARE CONNECTED TO THE NEW WATER MAIN.
- RESTORE ALL LAWN AREAS DISTURBED BY THE CONSTRUCTION WITH A MINIMUM OF 4-INCHES OF TOPSOIL AND SOD. IMMEDIATELY BEGIN WATERING AND CONTINUALLY KEEP MOIST UNTIL THE SOD HAS FIRMLY KNIT ITSELF TO THE TOPSOIL.
- REMOVE AND REPLACE ALL CONCRETE SIDEWALKS WHERE THE PROPOSED WATER MAIN/SERVICE IS LOCATED UNDER THE SIDEWALKS TO THE NEAREST CONSTRUCTION JOINT.
- IF SIDEWALK/CURB RAMPS WITH DETECTABLE WARNINGS ARE DAMAGED BY CONSTRUCTION, REPLACE DETECTABLE WARNINGS WITH DYED CONCRETE STAMPED WITH APPROPRIATE STAMPING TOOLS. PROVIDE A PIGMENT FOR THE DYED CONCRETE MEETING THE REQUIREMENTS OF ASTM C 979. MATCH COLOR 30166 OF FEDERAL STANDARD 595.

- REMOVE AND REPLACE ALL DRIVEWAY APRONS DISTURBED BY THE WATER MAIN CONSTRUCTION IN THEIR ENTIRETY AND WITH THE SAME PAVEMENT MATERIAL.
- REMOVE AND RELOCATE ALL VILLAGE OF ARLINGTON HEIGHTS STREET SIGNS IN CONFLICT WITH THE WORK. RELOCATE SIGNS TO LOCATIONS DETERMINED BY THE VILLAGE STREET DEPARTMENT.
- PROTECT TREES IN ACCORDANCE WITH STANDARD DETAIL TREE PROTECTION DETAIL. COORDINATE TREE PROTECTION FENCING WITH ENGINEER OR VILLAGE FORESTER. FENCING WILL BE CONSTRUCTED NO MORE THAN 1 WEEK PRIOR TO THE START OF CONSTRUCTION. FENCE LOCATIONS ARE APPROXIMATE AND WILL BE INSTALLED IN LOCATIONS AS DIRECTED BY THE ENGINEER OR VILLAGE FORESTER.
- WHEN EXCAVATION WORK OCCURS WITHIN THE DRIPLINE OF A TREE, ROOT PRUNING WILL BE REQUIRED AS DIRECTED BY THE ENGINEER.
- EROSION CONTROL WILL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AS CONTAINED IN IEPA/WPC/87-012 OR CURRENT EDITION.
- REPLACE ALL CONCRETE SIDEWALKS DISTURBED BY CONSTRUCTION TO THE NEAREST CONSTRUCTION JOINT. A MAXIMUM LENGTH OF TEN LINEAL FEET PER CROSSING WILL BE UTILIZED FOR PAY QUANTITY CALCULATIONS.
- PAVEMENT RESTORATION WILL BE MEASURED IN PLACE AND THE AREA COMPUTED IN SQUARE YARDS. ALL AREAS DISTURBED WILL BE REPLACED, BUT THE MAXIMUM ALLOWABLE WIDTHS USED FOR PAY QUANTITY CALCULATIONS WILL BE 6 FEET CENTERED ON THE PIPE. IF THE CONTRACTOR RELOCATES THE TRENCH AWAY FROM THE CURB AND GUTTER, THE PAVEMENT PATCH WILL EXTEND FROM THE SAWCUT IN THE EXISTING PAVEMENT TO THE FACE OF THE GUTTER AND THE MAXIMUM ALLOWABLE WIDTH OF 6 FEET WILL BE USED FOR PAY QUANTITY CALCULATIONS.
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING STATE OF ILLINOIS STANDARD SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2022 (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, 7TH EDITION (2014) "THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", LATEST EDITION, AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", LATEST EDITION, THE DETAILS IN THE DRAWINGS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- WATER MAIN AND SEWER SEPARATION REQUIREMENTS SHALL CONFORM TO 35 ILLINOIS ADMINISTRATIVE CODE 604.1440.
- GRANULAR PIPE BEDDING AND COVERING MATERIAL SHALL CONFORM TO THE FOLLOWING:
PROVIDE WELL GRADED GRAVEL OR CRUSHED STONE FREE OF CLAY, LOAM, DIRT, CALCAREOUS OUR OTHER FOREIGN MATTER CONFORMING TO I.D.O.T. " STANDARD SPECIFICATIONS" GRADATION CA-11 OR THE STANDARD SPECIFICATION FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, WITH THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT PASSING
1 INCH	100%
3/4 INCH	84-100%
1/2 INCH	30-60%
NO. 4	0-12%
NO. 16	0-6%

FOR RIDGED PIPES COMPLY WITH A.S.T.M. C12, BEDDING CLASS B

- IT SHALL BE THE CONTRACTOR'S DUTY AND RESPONSIBILITY TO ASCERTAIN AND EXECUTE THE MEANS, METHODS, AND SEQUENCE OF CONSTRUCTION IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, AND OTHER CONTRACT DOCUMENTS. THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, THE EXCLUSIVE DUTY AND RESPONSIBILITY TO PROVIDE FOR WORKPLACE SAFETY AND WORKER SUPERVISION. IT SHALL EXCLUSIVELY BE THE CONTRACTOR'S DUTY AND RESPONSIBILITY TO INVESTIGATE AND ASCERTAIN THE CURRENT PHYSICAL STATE AND OPERATIONAL STATUS OF THE CITY'S WATER SUPPLY SYSTEM AND THE CITY'S SANITARY SEWER SYSTEM, INCLUDING WHETHER A WATER MAIN OR OTHER VESSEL IS OPERATIONAL, CONTAINS WATER, IS PRESSURIZED, OR IS OTHERWISE SAFE TO ALTER. ANY INFORMATION PROVIDED BY THE CITY, OR ITS EMPLOYEES AND CONSULTANTS, REGARDING THE STATE OF ITS WATER SUPPLY AND SANITARY SEWER SYSTEMS IS PROVIDED AS A COURTESY TO THE CONTRACTOR BUT IS NOT WARRANTED TO BE TRUE AND MAY NOT BE RELIED ON BY THE CONTRACTOR IN SATISFACTION OF, OR TO DIMINISH, ITS EXCLUSIVE DUTY TO ASCERTAIN AND EXECUTE THE MEANS, METHODS, AND SEQUENCES OF CONSTRUCTION IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, AND OTHER CONTRACT DOCUMENTS AND ITS EXCLUSIVE RESPONSIBILITY TO PROVIDE FOR WORKPLACE SAFETY AND WORKER SUPERVISION.
- NOTIFY ALL AFFECTED PROPERTY OWNERS WHERE WORK WITHIN PRIVATE PROPERTY IS REQUIRED. CONTRACTOR TO UTILIZE VILLAGE'S STANDARD FORMS FOR WORK IN PRIVATE PROPERTY.

SEQUENCE OF CONSTRUCTION - PROJECT MILESTONES

- STORM SEWER PHASING:
 - STORM SEWER INSTALLATION ON FORREST AVENUE (110±40 TO 111±30) MUST BE SUBSTANTIALLY COMPLETED BY JUNE 30TH/, INCLUDING TESTING AND ACCEPTANCE OF THE NEW STORM SEWER AND STRUCTURES. FINAL PAVEMENT RESTORATION INCLUDING CURB & GUTTER, SIDEWALK, AND DRIVEWAYS SHALL BE COMPLETED WITHIN 14 DAYS OF ACCEPTANCE OF THE STORM SEWER. FINAL SODDING OF NON-PAVED AREAS SHALL BE COMPLETED IN ACCORDANCE WITH THE DATE LIMITATIONS ON SODDING AS SPECIFIED IN THE PROJECT MANUAL.
- WATER MAIN PHASING:
 - THE WATER MAIN PROJECT WILL BE DIVIDED INTO 3 SECTIONS.
 - SECTION 1 FROM US ROUTE 14 (9±50) TO ARLINGTON HEIGHTS ROAD (42±75)
 - SECTION 2 FROM ARLINGTON HEIGHTS ROAD (42±75) TO N. DERBYSHIRE AVENUE (75±25)
 - SECTION 3 FROM N. DERBYSHIRE AVENUE (75±25) TO WATERMAN AVENUE (108±-50)
 - EACH SECTION SHALL BE SUBSTANTIALLY COMPLETED BEFORE THE CONTRACTOR WILL BE ALLOWED TO COMMENCE WORK ON THE NEXT SECTION. THE CONTRACTOR SHALL NOT CONTINUE TO THE NEXT SECTION WITHOUT PERMISSION FROM THE VILLAGE IN WRITING. ADVANCE WORK FOR PRIVATE RESIDENTIAL HOUSE SERVICE INSTALLATIONS ARE EXEMPT FROM THE WORK IN THE SECTION COMPLETION STIPULATION. SUBSTANTIAL COMPLETION INCLUDES TESTING AND ACCEPTANCE OF THE NEW WATER MAIN; TRANSFER OF SERVICES TO THE NEW MAIN; ABANDONMENT OF THE EXISTING WATER MAIN; AND FINAL GRADING WITHIN THE SECTION. FINAL PAVEMENT RESTORATION INCLUDING CURB & GUTTER, SIDEWALK, AND DRIVEWAYS SHALL BE COMPLETED WITHIN 14 DAYS OF ACCEPTANCE OF THE WATER MAIN IN EACH SECTION. FINAL SODDING OF NON-PAVED AREAS SHALL BE COMPLETED IN ACCORDANCE WITH THE DATE LIMITATIONS ON SODDING AS SPECIFIED IN THE PROJECT MANUAL.
 - THE PROJECT SHALL PROGRESS FROM WEST TO EAST UNLESS OTHERWISE APPROVED BY THE VILLAGE IN WRITING.
 - IF ALTERNATE 1 IS INCLUDED IN THE CONTRACT, WORK ON GREENBRIAR COURT CAN BE COMPLETED INDEPENDENTLY OF THE SCHEDULE FOR SECTIONS 1-3. THE CONTRACTOR SHALL NOTIFY THE VILLAGE ONE WEEK PRIOR TO THE START OF WORK ON GREENBRIAR COURT. ONCE WORK BEGINS ON GREENBRIAR COURTY, THE CONTRACTOR SHALL ADHERE TO THE SUBSTANTIAL AND FINAL COMPLETION REQUIREMENTS FOR SECTIONS 1-3.

P:\ARLHT\2401308-WATER MAIN IMPROVEMENT PROJECT M\CAD\01_CIVIL 3D\01_SHTS--PLANS\2401308--COVER_GEN_DET.SDWG MOT GEN TYP SEC
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MAINTENANCE OF TRAFFIC GENERAL NOTES

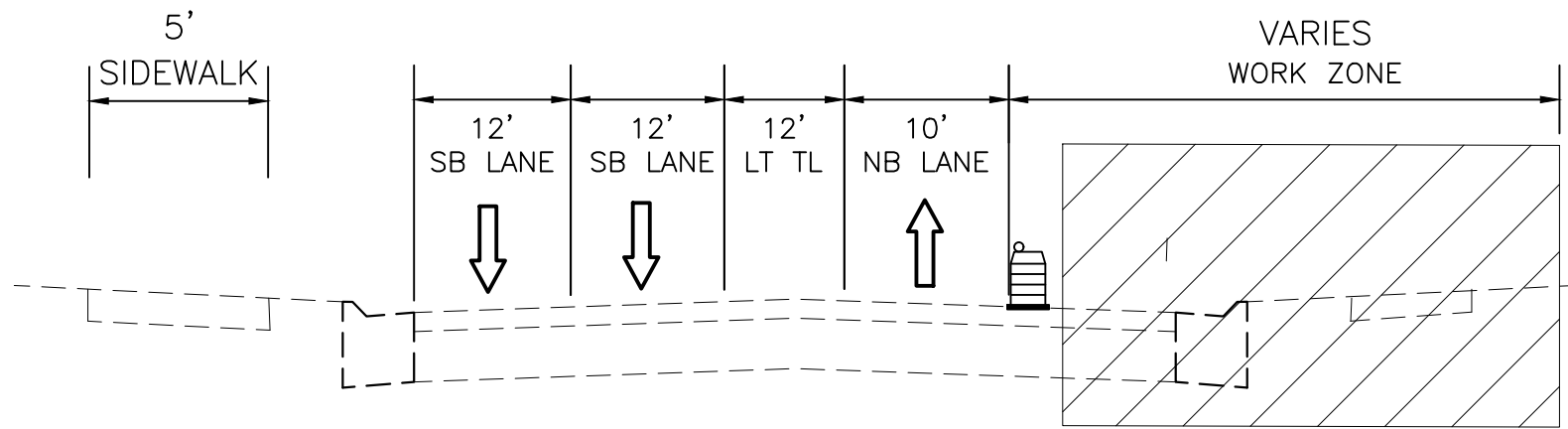
1. THE SUGGESTED MAINTENANCE OF TRAFFIC CONTROL IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED BY THE CURRENT VERSION OF THE IDOT HIGHWAY STANDARDS, THE CURRENT VERSION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
2. THE CONTRACTOR SHALL SUBMIT A PREPLANNED SEQUENCE OF WORK PRIOR TO THE START OF WORK FOR REVIEW AND APPROVAL. NO WORK SHALL COMMENCE UNTIL PREPLANNED SEQUENCE OF WORK HAS BEEN APPROVED BY THE VILLAGE. WORK SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO BUSINESSES AND MAINTAIN A REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE VILLAGE AND/OR ENGINEER RESERVES THE RIGHT TO RESTRICT WORK IN ANY SEGMENT IF CONSTRUCTION OPERATIONS ON A PREVIOUS SEGMENT ARE UNACCEPTABLE OR TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE.
3. THE ENGINEER AND THE VILLAGE SHALL BE NOTIFIED OF ANY CHANGES TO CONSTRUCTION STAGING. ALL CHANGES TO CONSTRUCTION STAGING MUST BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION.
4. THE CONTRACTOR SHALL NOTIFY IDOT AND THE VILLAGE FOURTEEN (14) DAYS IN ADVANCE OF OPERATION OF DETOUR ROUTES.
5. EMERGENCY VEHICLE AND LOCAL TRAFFIC ACCESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. ANY SIGNIFICANT CHANGE IN TRAFFIC CONTROL SHALL HAVE A PRIOR APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) DAYS' NOTICE IN ADVANCE OF CONSTRUCTION ACTIVITIES WHICH IMPACT EMERGENCY SERVICES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING ALL DETOURS AND ROADWAY CLOSURES WITH THE LOCAL EMERGENCY SERVICES.
7. THE CONTRACTOR SHALL PROVIDE ACCESS TO PRIVATE AND COMMERCIAL DRIVEWAYS AND TO ALL SIDE STREETS DURING CONSTRUCTION. CONSTRUCTION OPERATIONS INVOLVING THE TEMPORARY CLOSURE OF DRIVEWAYS FOR PIPELINE INSTALLATION ACROSS A DRIVEWAY SHALL NOT COMMENCE WITHOUT THE CONTRACTOR NOTIFYING HOMEOWNERS OR BUSINESSES AT LEAST 24 HOURS, BUT NOT MORE THAN 48 HOURS IN ADVANCE OF AN ANTICIPATED DRIVEWAY CLOSURE AND AGAIN JUST PRIOR TO CLOSING TO ALLOW HOMEOWNERS TO MOVE THEIR VEHICLES.
8. ALL LANE CLOSURES SHALL BE IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARDS. IT IS RECOMMENDED TO USE IDOT STANDARD DRAWING 701801 FOR SIDEWALK CLOSURES ALONG EUCLID AVENUE, IDOT STANDARD DRAWING 701006 FOR OFF-ROAD WATER MAIN INSTALLATION, IDOT STANDARD DRAWINGS 701501 AND 701502 FOR SINGLE LANE CLOSURES FOR WATER MAIN INSTALLATION ON EUCLID AVENUE, IDOT STANDARD DRAWING 701701 FOR SINGLE LANE CLOSURE FOR WATER MAIN CONNECTION AT US 14 AND WEST EUCLID AVENUE, IDOT STANDARD DRAWING 701501 FOR LANE CLOSURES ON SIDE STREETS, AND IDOT STANDARD DRAWING 701606 FOR LANE CLOSURES ON ARLINGTON HEIGHTS ROAD.
9. ALL TRENCHES, HOLES, AND PITS SHALL BE FILLED OR STEEL PLATED AT THE END OF EACH DAY AND TRAVEL LANES REOPENED TO TRAFFIC. THE COST OF THIS WORK SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
10. REFER TO DISTRICT ONE DETAIL TC-10 FOR SIGNAGE FOR TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS.
11. ALL FLAGGERS REQUIRED FOR MAINTENANCE OF TRAFFIC, INCLUDING ANY FLAGGERS NEEDED TO MAINTAIN TRAFFIC FOR SIDE STREETS AND COMMERCIAL DRIVEWAYS, SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
12. THE FURNISHING, INSTALLING, AND RELOCATING OF ALL TRAFFIC SIGNS WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.
13. THE CONTRACTOR SHALL REMOVE OR COVER ALL FLAGGER (W20-7) SIGNS WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN AN HOUR.
14. EXISTING TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGED SIGNS CAUSED BY THIS WORK SHALL BE REPLACED BY THE CONTRACTOR.
15. WHEN WORKING ADJACENT TO THE ROAD AND UTILIZING DAILY LANE CLOSURES, DROP-OFFS ADJACENT TO THE TRAVEL LANES SHALL BE KEPT TO A MINIMUM. DROP-OFFS GREATER THAN (OR GREATER THAN OR EQUAL TO) 24" WILL NOT BE ALLOWED AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE TRAVEL LANE. THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE EXCAVATION REQUIRED FOR THE CONSTRUCTION DURING THE TIME THAT THE ADJACENT LANE IS CLOSED. AS NOTED ABOVE, PRIOR TO REOPENING THE LANE TO TRAFFIC THE CONTRACTOR SHALL PLACE SUFFICIENT MATERIAL TO REDUCE THE DROP-OFF TO LESS THAN 12". THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE AMOUNT OF WORK THAT CAN BE COMPLETED WITHIN THE TIME OF THE DAILY LANE CLOSURE. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.

LEGEND

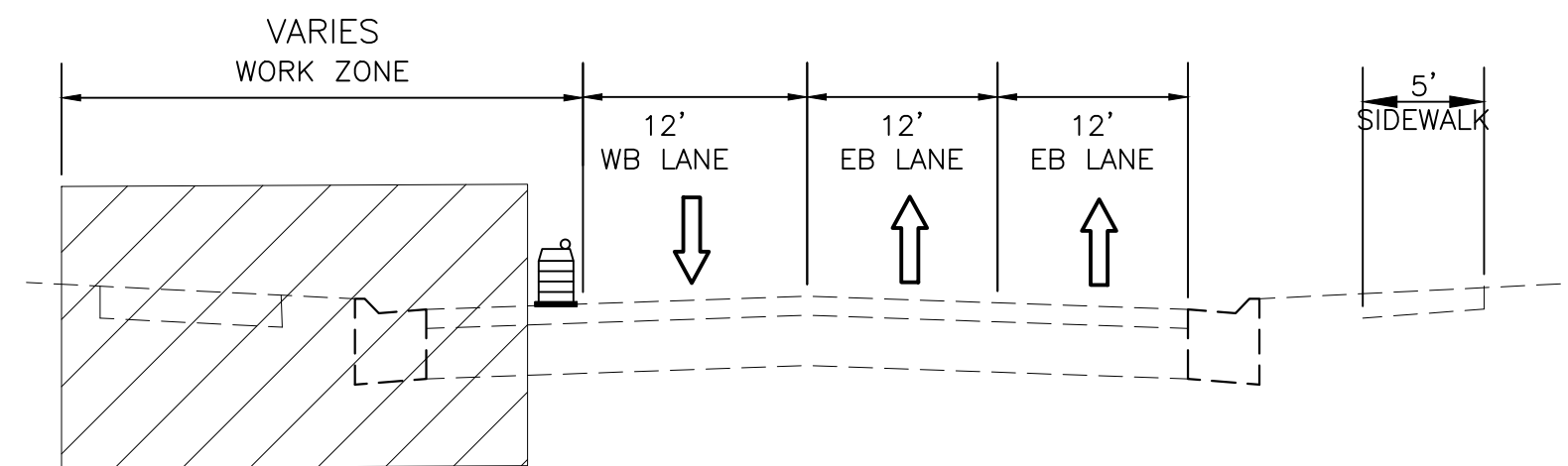
- ↑ DIRECTION OF TRAFFIC FLOW
- TYPE II BARRICADES OR DRUMS
(SPACED 50' C-C ON
TANGENT SECTIONS AND 20' C-C ON
TAPERS
- WORK ZONE

16. TEMPORARY INFORMATION SIGNS ON TEMPORARY SUPPORTS SHALL BE PROVIDED FOR ALL COMMERCIAL DRIVEWAYS THAT ARE LOCATED WITHIN A WORK AREA. THIS WORK SHALL BE PAID FOR PER DISTRICT 1 DETAIL TC-26. THESE SIGNS SHALL BE RELOCATED AS REQUIRED FOR EACH CONSTRUCTION STAGE AND SHALL BE PLACED AS DIRECTED BY THE ENGINEER. THIS SIGN RELOCATION WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR TEMPORARY INFORMATION SIGNING.
17. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE (DETERMINED BY THE ENGINEER) PLACED AS DIRECTED BY THE ENGINEER.
18. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR UNTIL NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.

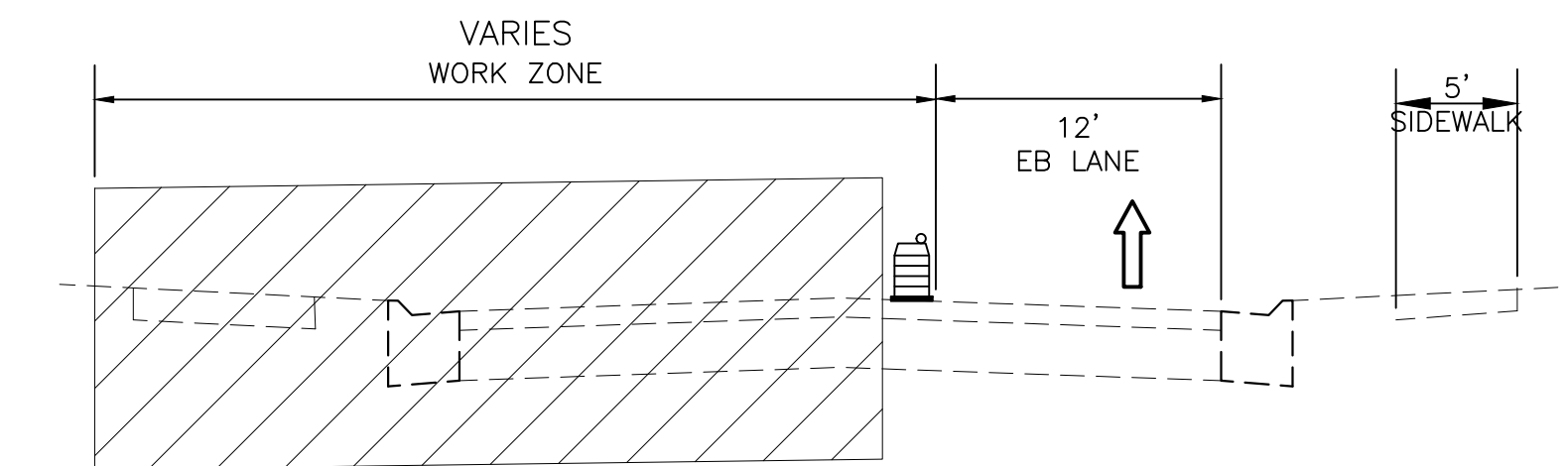
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS



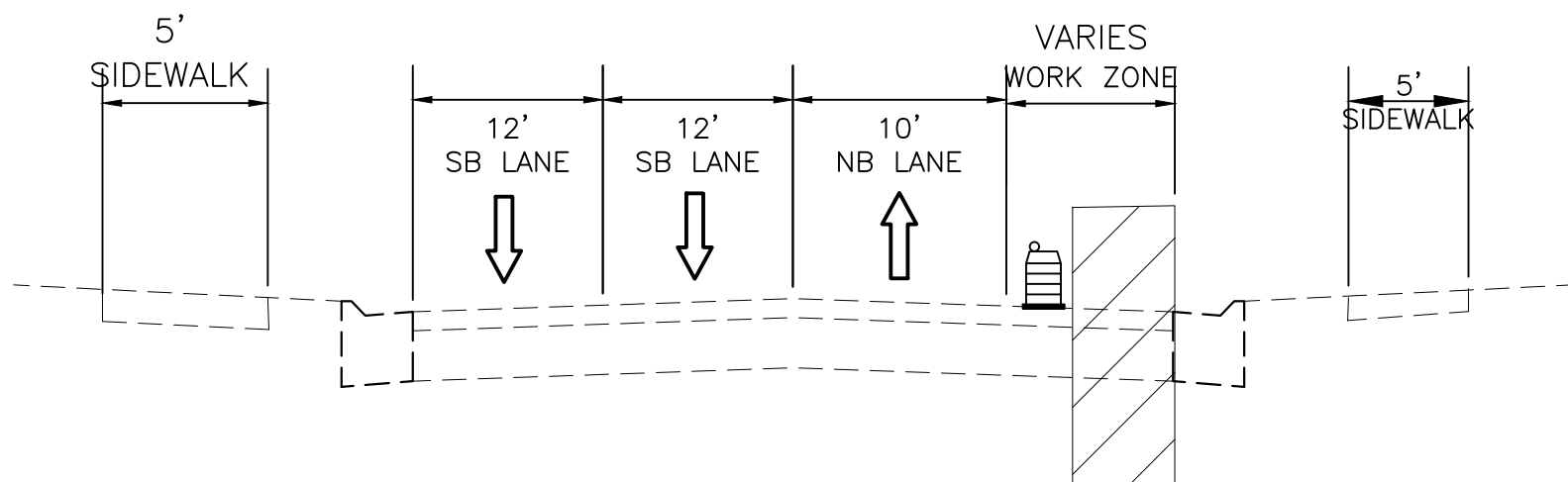
US 14/ NORTHWEST HIGHWAY
NORTH OF EUCLID AVE
LOOKING NORTHWEST



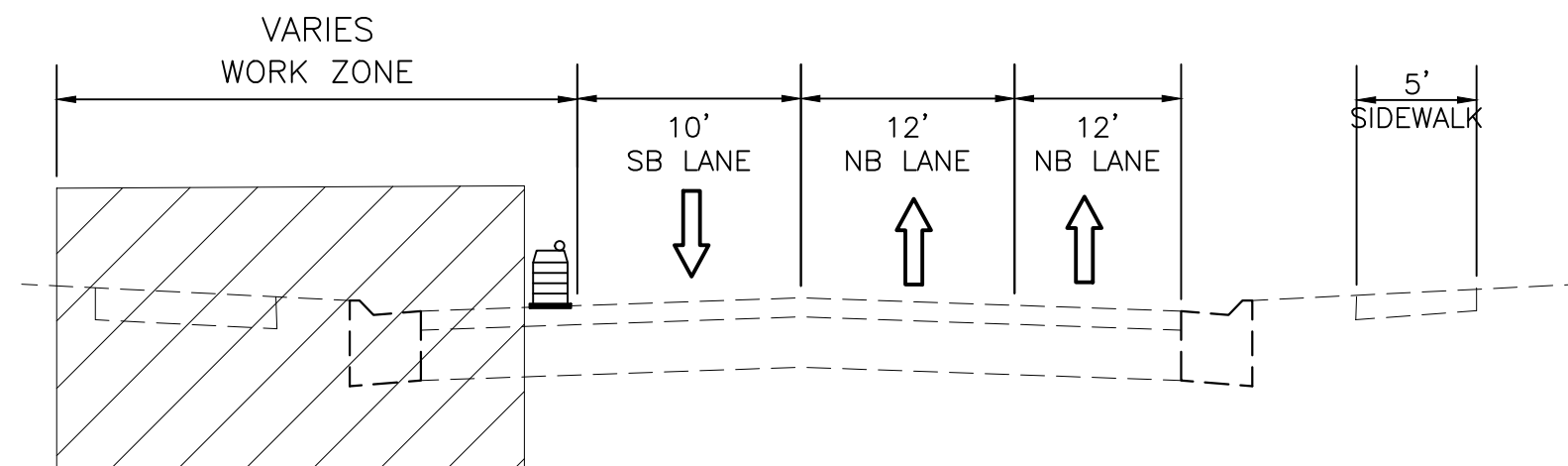
EUCLID AVE
EAST OF US 14
LOOKING EAST



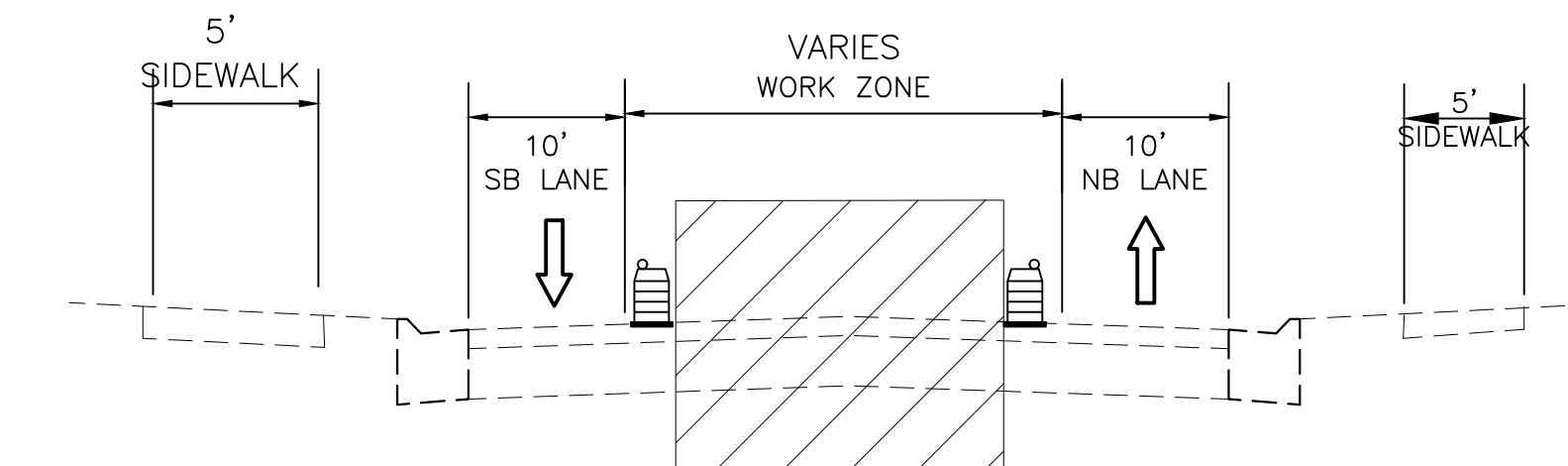
EUCLID AVE
AT ARLINGTON HEIGHTS RD
LOOKING EAST



ARLINGTON HEIGHTS RD
STAGE 1
SOUTH OF EUCLID AVE
LOOKING NORTH



ARLINGTON HEIGHTS RD
STAGE 1
NORTH OF EUCLID AVE
LOOKING NORTH



ARLINGTON HEIGHTS RD
STAGE 2
NORTH AND SOUTH OF EUCLID AVE
LOOKING NORTH

FINAL DESIGN
FOR BIDDING

BAXTER & WOODMAN
Consulting Engineers

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REVISED -
REVISED -
REVISED -

VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

MAINTENANCE OF TRAFFIC GENERAL NOTES, STANDARDS
AND TYPICAL SECTIONS

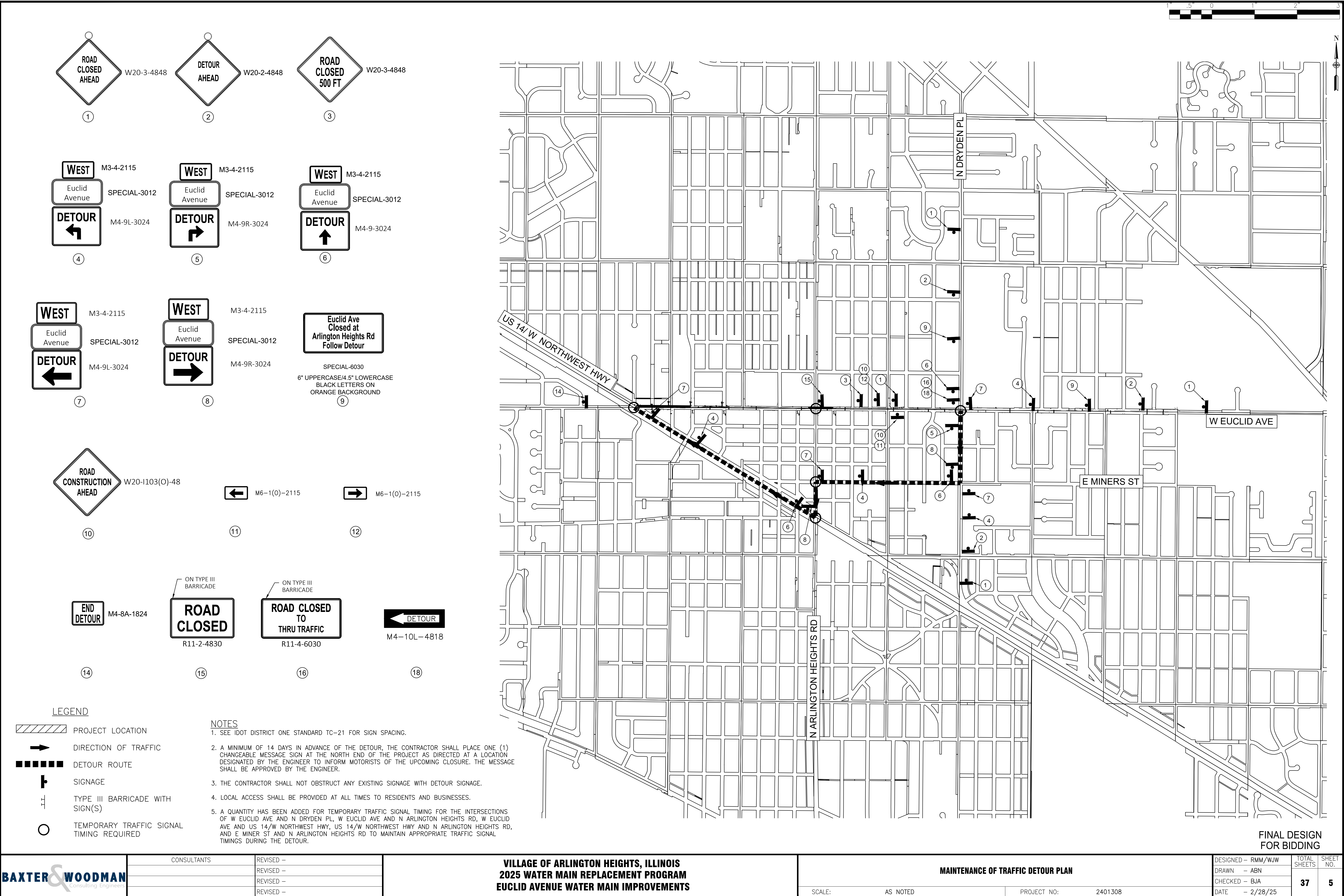
SCALE: AS NOTED

PROJECT NO: 2401308

DESIGNED - RMM/WJW
DRAWN - ABN
CHECKED - BJA
DATE - 2/28/25

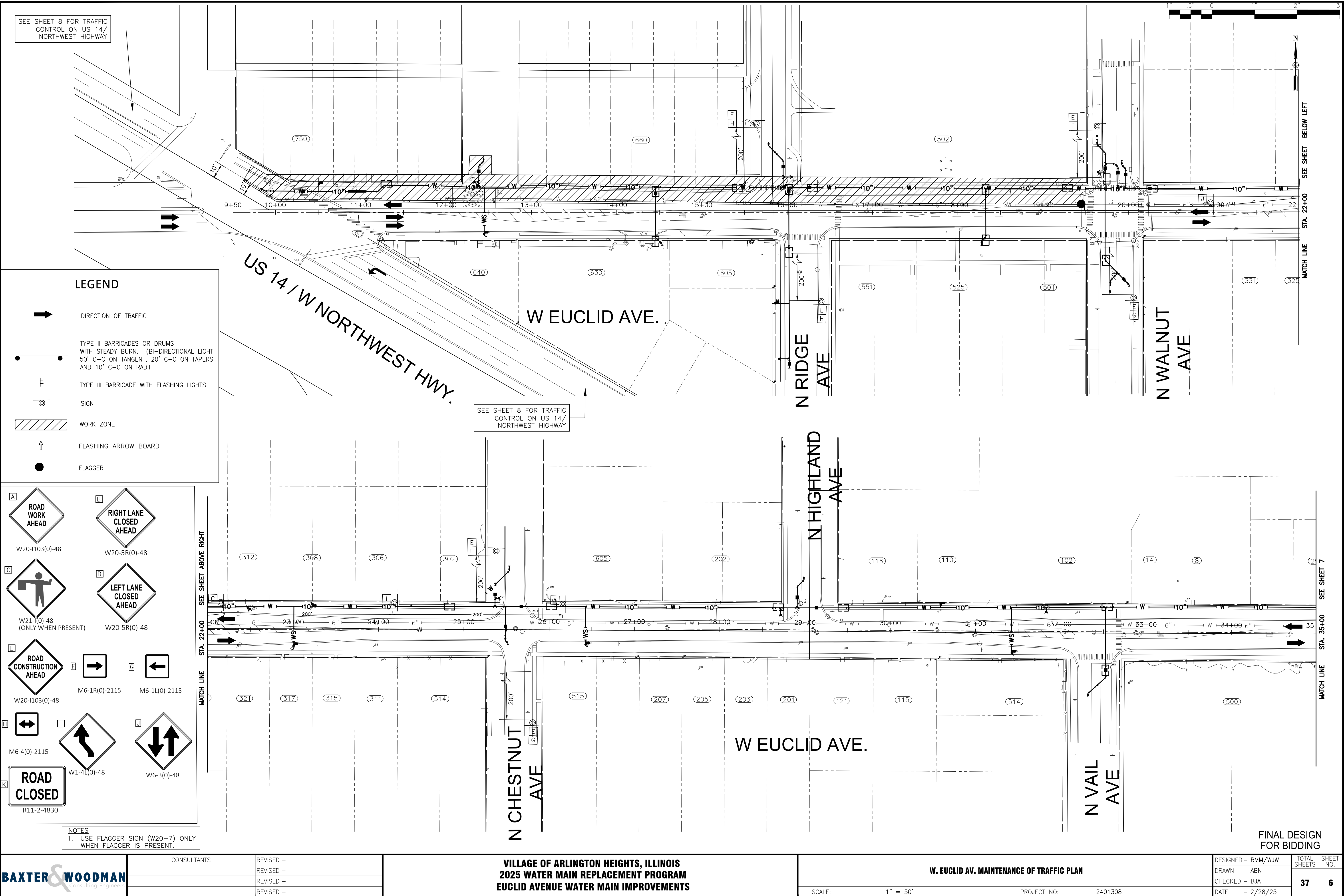
TOTAL
SHEETS
37
SHEET
NO.
4

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			REVISED –						DRAWN – ABN	37	5
			REVISED –						CHECKED – BJA		
			REVISED –		DATE – 2/28/25						
			SCALE: AS NOTED PROJECT NO: 2401308								

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LEGEND

→ DIRECTION OF TRAFFIC

TYPE II BARRICADES OR DRUMS WITH STEADY BURN. (BI-DIRECTIONAL LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS AND 10' C-C ON RADII)

TYPE III BARRICADE WITH FLASHING LIGHTS

SIGN

WORK ZONE

FLASHING ARROW BOARD

FLAGGER

NOTES

1. USE FLAGGER SIGN (W20-7) ONLY WHEN FLAGGER IS PRESENT.

TRAFFIC CONTROL SIGNS

A ROAD WORK AHEAD W20-1103(0)-48

B RIGHT LANE CLOSED AHEAD W20-5R(0)-48

C LEFT LANE CLOSED AHEAD W20-5R(0)-48

D ROAD CONSTRUCTION AHEAD W20-1103(0)-48

E FLASHING ARROW BOARD M6-1R(0)-2115

F FLASHING ARROW BOARD M6-1L(0)-2115

G ROAD CLOSED R11-2-4830

H ROAD CLOSED R11-2-4830

I ROAD CLOSED R11-2-4830

J ROAD CLOSED R11-2-4830

K ROAD CLOSED R11-2-4830

BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED –	VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS 2025 WATER MAIN REPLACEMENT PROGRAM EUCLID AVENUE WATER MAIN IMPROVEMENTS	W. EUCLID AV. MAINTENANCE OF TRAFFIC PLAN			DESIGNED – RMM/WJW	TOTAL SHEETS	SHEET NO.
		REVISED –					DRAWN – ABN		
		REVISED –					CHECKED – BJA		
		REVISED –		SCALE: 1" = 50'	PROJECT NO: 2401308	DATE – 2/28/25	37	6	

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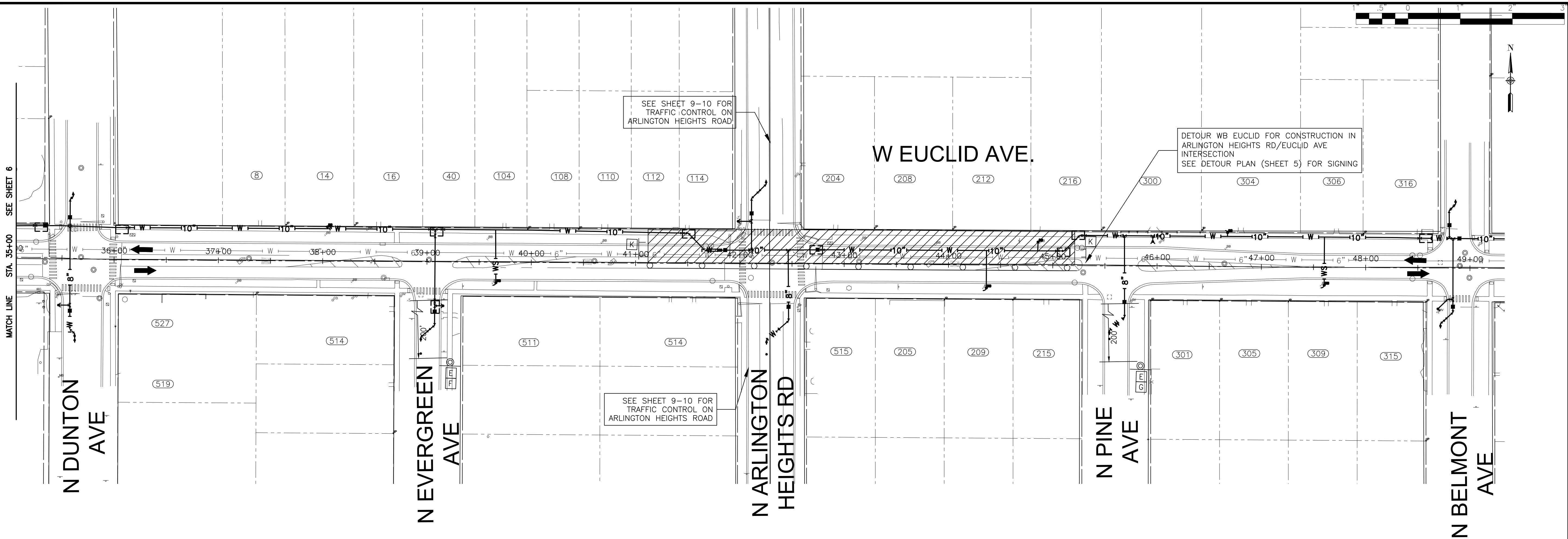
VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

W. EUCLID AV. MAINTENANCE OF TRAFFIC PLAN

SCALE: 1" = 50'

PROJECT NO: 2401308

DESIGNED — RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN — ABN	37	7
CHECKED — BJA		
DATE — 2/28/25		



LEGEND

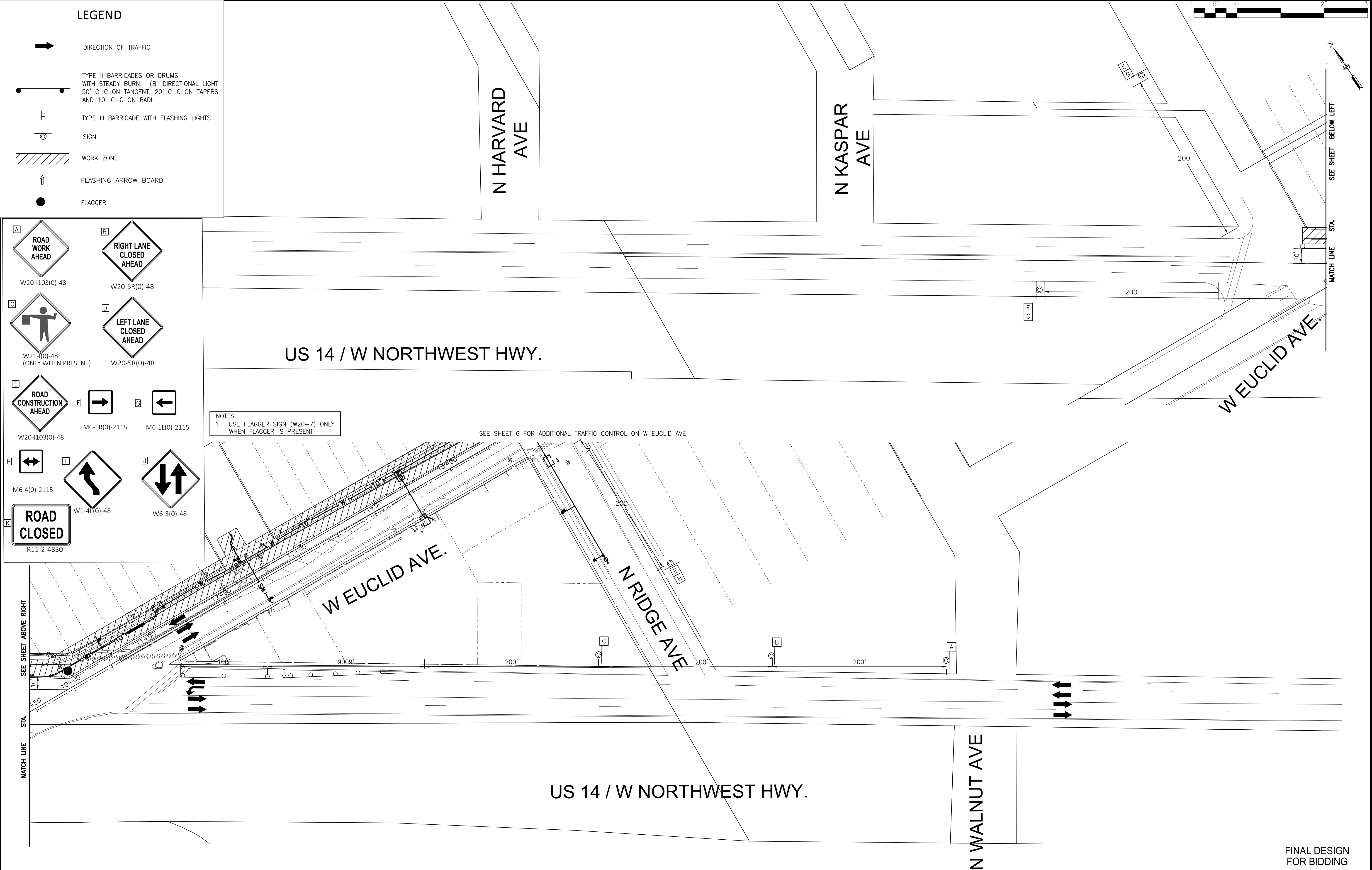
- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS WITH STEADY BURN. (BI-DIRECTIONAL LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS AND 10' C-C ON RADII)
- TYPE III BARRICADE WITH FLASHING LIGHTS
- SIGN
- WORK ZONE
- FLASHING ARROW BOARD
- FLAGGER

TRAFFIC CONTROL SIGNAGE

- A** ROAD WORK AHEAD (W20-103(0)-48)
- B** RIGHT LANE CLOSED AHEAD (W20-5R(0)-48)
- C** (W21-1(0)-48 (ONLY WHEN PRESENT))
- D** LEFT LANE CLOSED AHEAD (W20-5L(0)-48)
- E** ROAD CONSTRUCTION AHEAD (W20-1103(0)-48)
- F** (M6-1R(0)-2115)
- G** (M6-1L(0)-2115)
- H** (M6-4(0)-2115)
- I** (W1-4L(0)-48)
- J** (W6-3(0)-48)
- K** ROAD CLOSED (R11-2-4830)

NOTES
1. USE FLAGGER SIGN (W20-7) ONLY WHEN FLAGGER IS PRESENT.

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	REVISED —

VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

SCALE: 1" = 50'

PROJECT NO: 2401308

DESIGNED — RMM/WJW
DRAWN — ABN
CHECKED — BJA
DATE — 2/28/25

FINAL DESIGN FOR BIDDING

TOTAL SHEETS	SHEET NO.
37	8

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2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

ARLINGTON HEIGHTS RD MAINTENANCE OF TRAFFIC PLAN STAGE 1

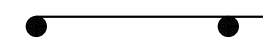
SCALE: 1" = 50'

PROJECT NO: 2401308

DESIGNED — RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN — ABN	37	9
CHECKED — BJA		
DATE — 2/28/25		

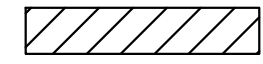
LEGEND

 DIRECTION OF TRAFFIC

 TYPE II BARRICADES OR DRUMS WITH STEADY BURN. (BI-DIRECTIONAL LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS AND 10' C-C ON RADII)

 TYPE III BARRICADE WITH FLASHING LIGHTS

 SIGN

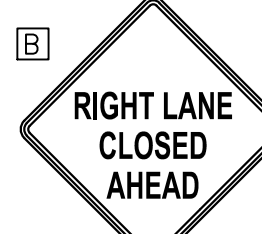
 WORK ZONE

 FLASHING ARROW BOARD

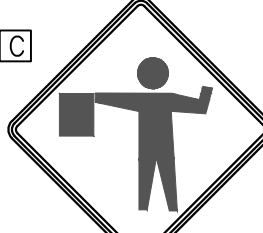
 FLAGGER



W20-1103(0)-48



W20-5R(0)-48



W21-1(0)-48
(ONLY WHEN PRESENT)



W20-5R(0)-48



W20-1103(0)-48



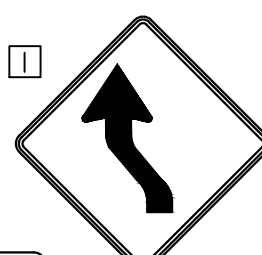
M6-1R(0)-2115



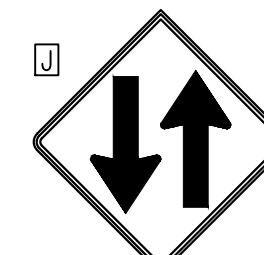
M6-1L(0)-2115



M6-4(0)-2115



W1-4L(0)-48

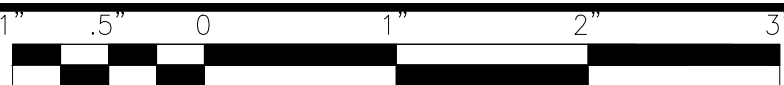
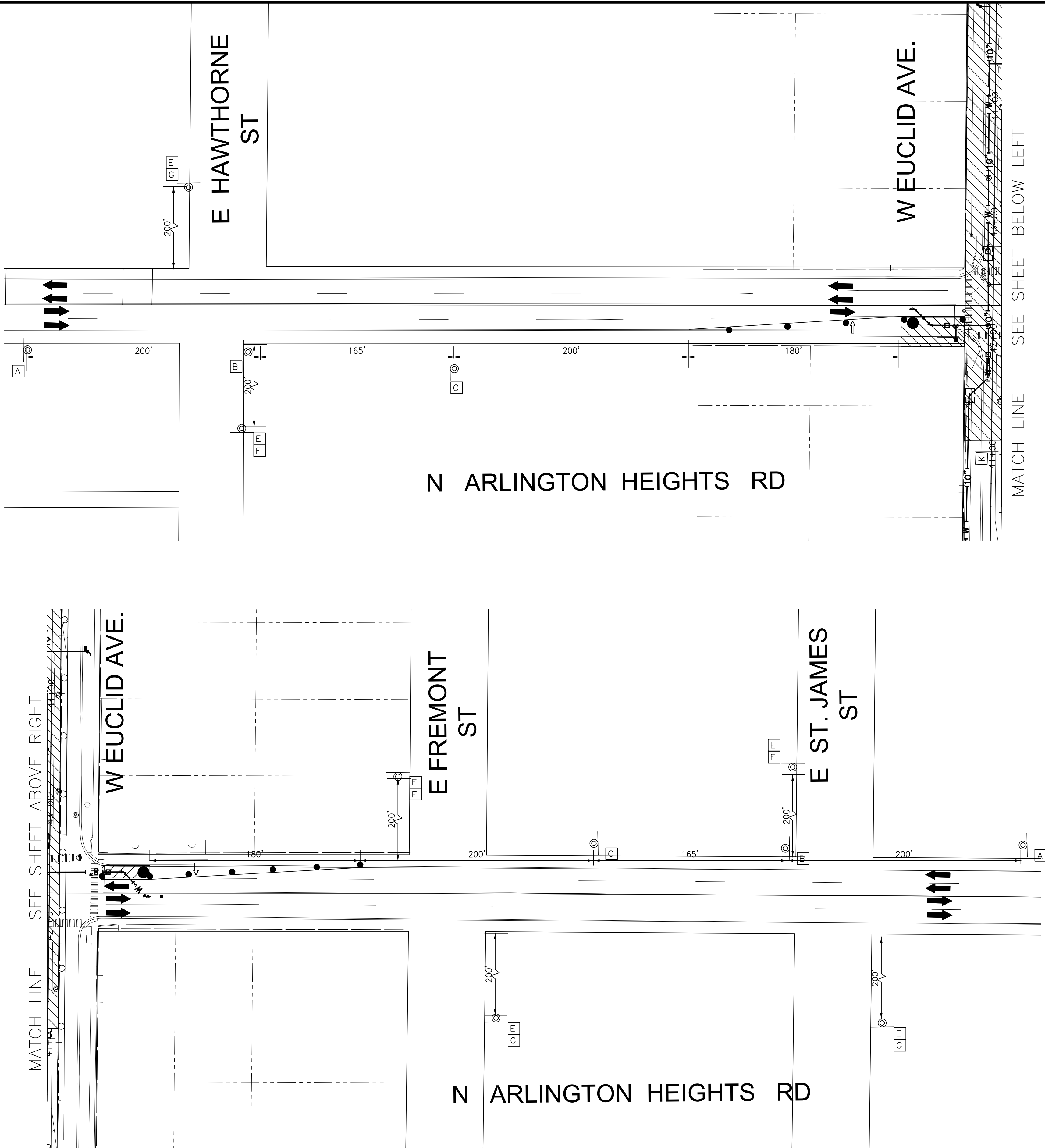


W6-3(0)-48



R11-2-4830

NOTES
1. USE FLAGGER SIGN (W20-7) ONLY WHEN FLAGGER IS PRESENT.



FINAL DESIGN
FOR BIDDING

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2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

ARLINGTON HEIGHTS RD MAINTENANCE OF TRAFFIC PLAN STAGE 2

SCALE: 1" = 50'

PROJECT NO: 2401308

DESIGNED — RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN — ABN	37	10
CHECKED — BJA		
DATE — 2/28/25		

FINAL DESIGN
FOR BIDDING

LEGEND

→ DIRECTION OF TRAFFIC

● TYPE II BARRICADES OR DRUMS WITH STEADY BURN. (BI-DIRECTIONAL LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS AND 10' C-C ON RADII)

⊥ TYPE III BARRICADE WITH FLASHING LIGHTS

⊙ SIGN

▨ WORK ZONE

↑ FLASHING ARROW BOARD

● FLAGGER

A ROAD WORK AHEAD
W20-1103(0)-48

B RIGHT LANE CLOSED AHEAD
W20-5R(0)-48

C W21-1(0)-48
(ONLY WHEN PRESENT)

D LEFT LANE CLOSED AHEAD
W20-5R(0)-48

E ROAD CONSTRUCTION AHEAD
W20-1103(0)-48

F → M6-1R(0)-2115

G ← M6-1L(0)-2115

H ↔ M6-4(0)-2115

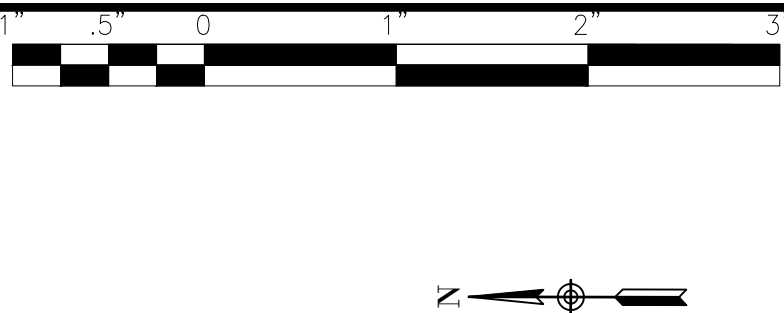
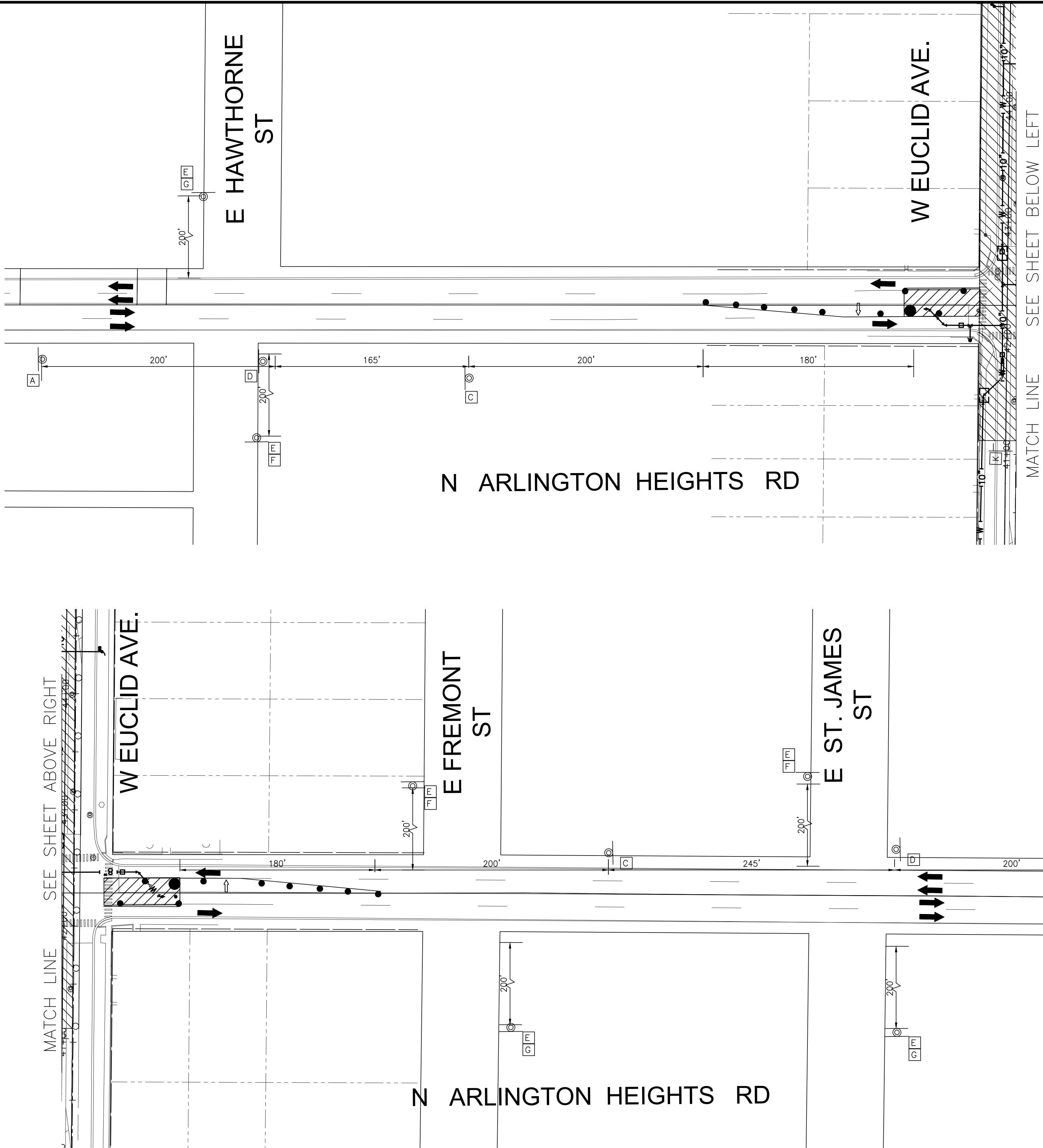
I W1-4L(0)-48

J W6-3(0)-48

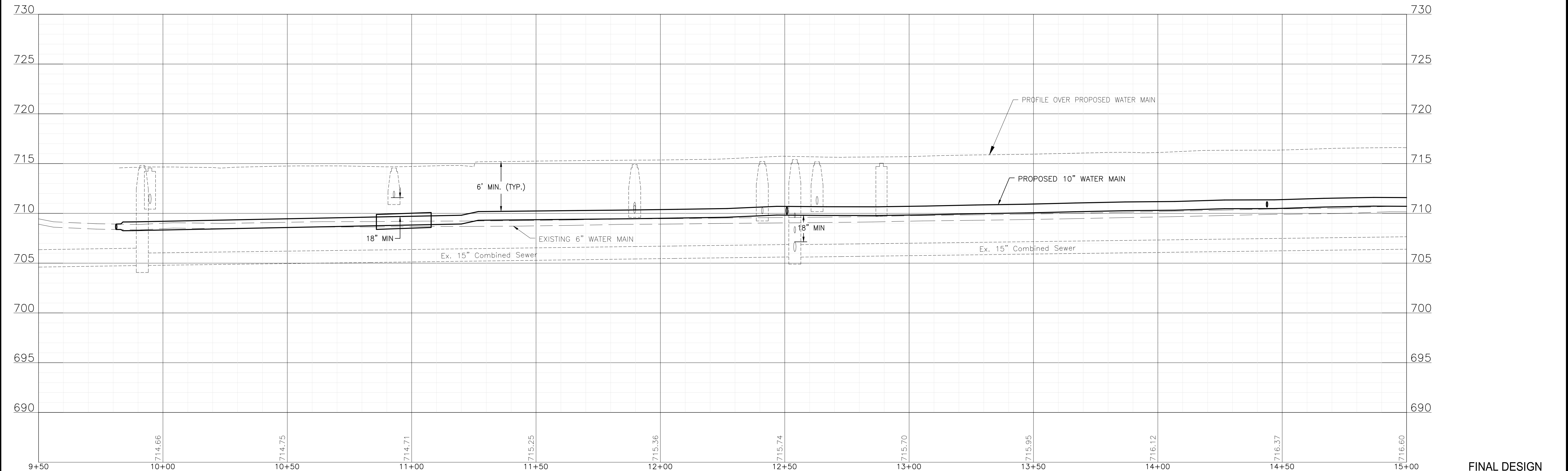
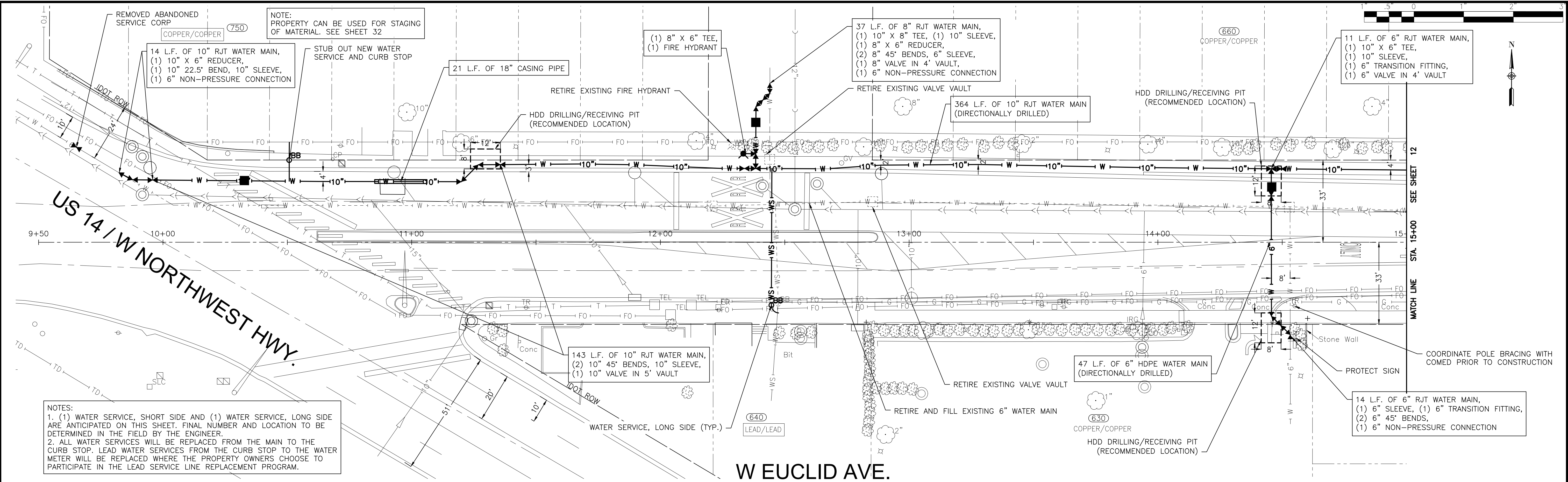
K ROAD CLOSED
R11-2-4830

NOTES

1. USE FLAGGER SIGN (W20-7) ONLY WHEN FLAGGER IS PRESENT.



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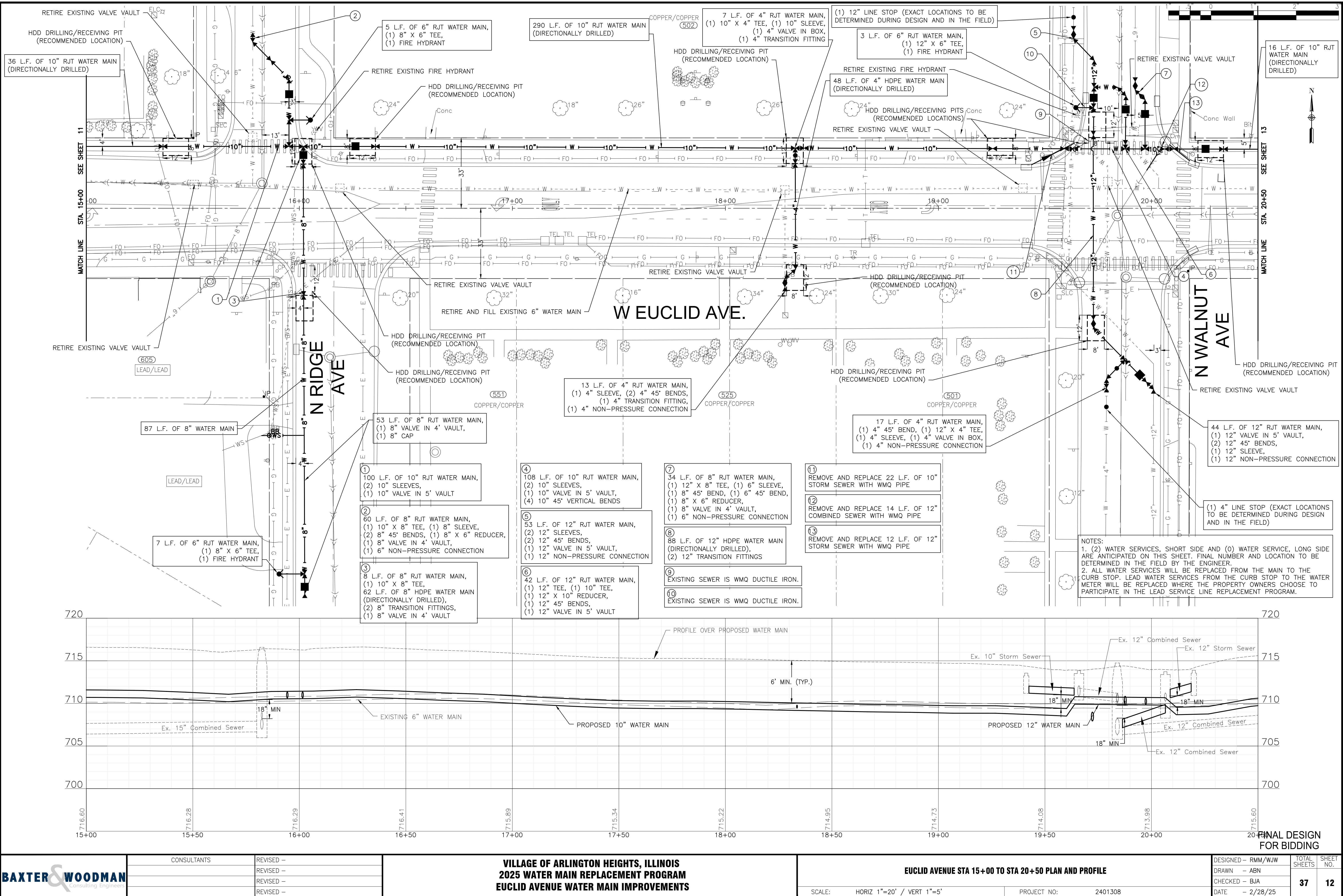
**VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS**

DESIGNED - RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN - ABN	37	11
CHECKED - BJA		
DATE - 2/28/25		

SCALE: HORIZ 1"=20' / VERT 1"=5'	PROJECT NO: 2401308
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**FINAL DESIGN
FOR BIDDING**

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**VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS**

EUCLID AVENUE STA 15+00 TO STA 20+50 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2401308

DESIGNED - RMM/WJW
DRAWN - ABN
CHECKED - BJA
DATE - 2/28/25

TOTAL SHEETS
37
SHEET NO.
12

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VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

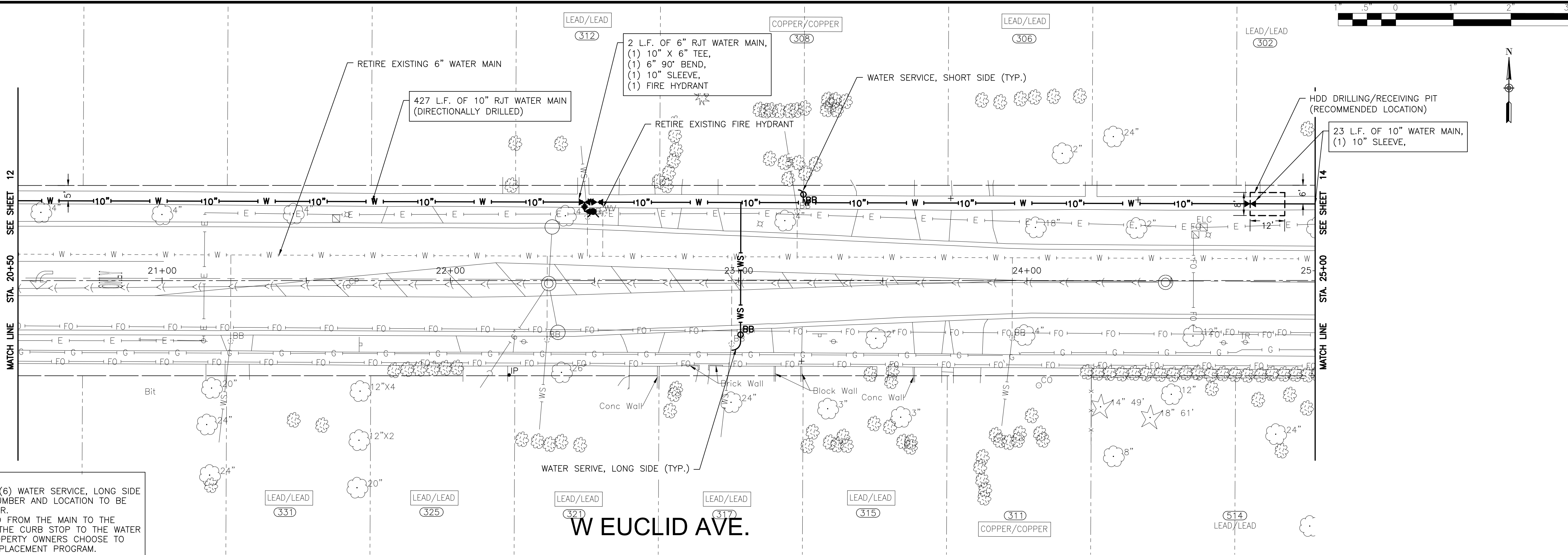
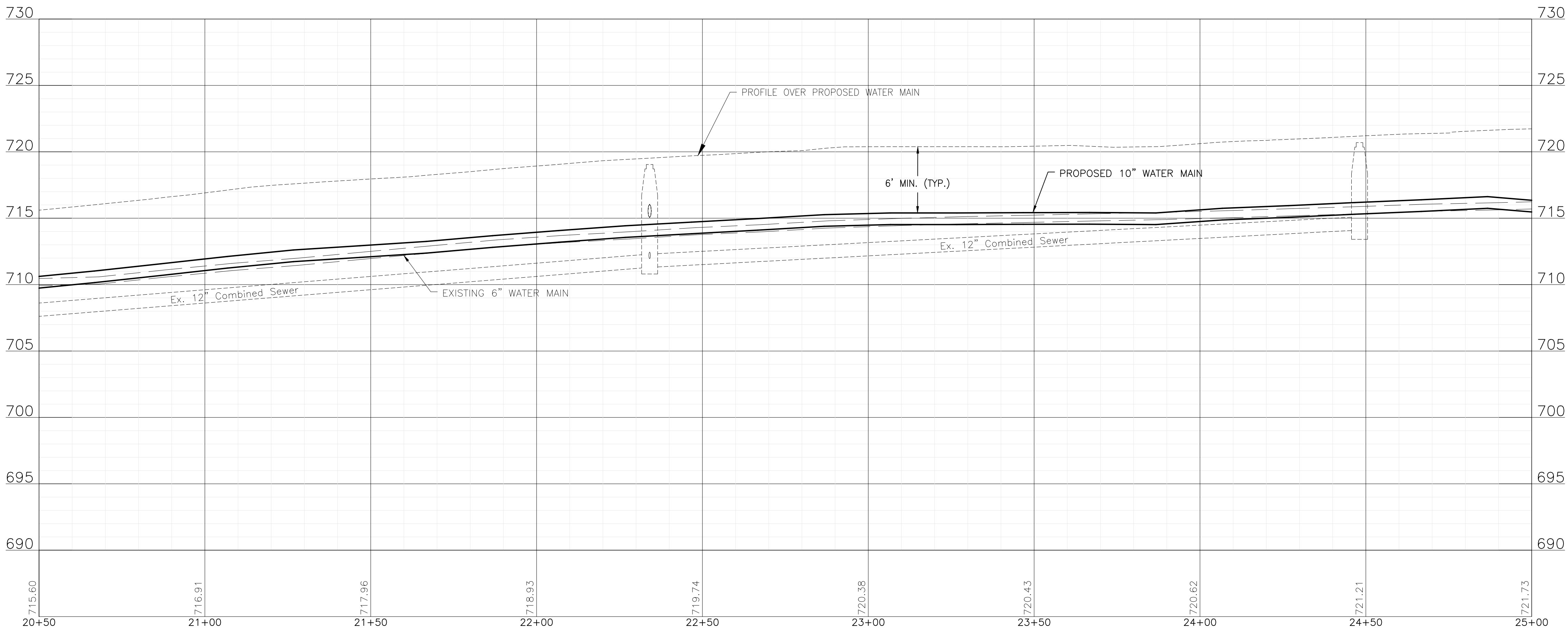
EUCLID AVENUE STA 20+50 TO STA 25+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2401308

DESIGNED - RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN - ABN	37	13
CHECKED - BJA		
DATE - 2/28/25		

- NOTES:
- (3) WATER SERVICES, SHORT SIDE AND (6) WATER SERVICE, LONG SIDE ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - ALL WATER SERVICES WILL BE REPLACED FROM THE MAIN TO THE CURB STOP. LEAD WATER SERVICES FROM THE CURB STOP TO THE WATER METER WILL BE REPLACED WHERE THE PROPERTY OWNERS CHOOSE TO PARTICIPATE IN THE LEAD SERVICE LINE REPLACEMENT PROGRAM.



FINAL DESIGN
FOR BIDDING

P:\ARLH\2401308-WATER MAIN IMPROVEMENT PROJECT M\CAD\01_CIVIL 3D\01_SHTS-PLANS\2401308-EUCLID_WM-DESIGN_SHEETS_PNP.DWG 30+00.00
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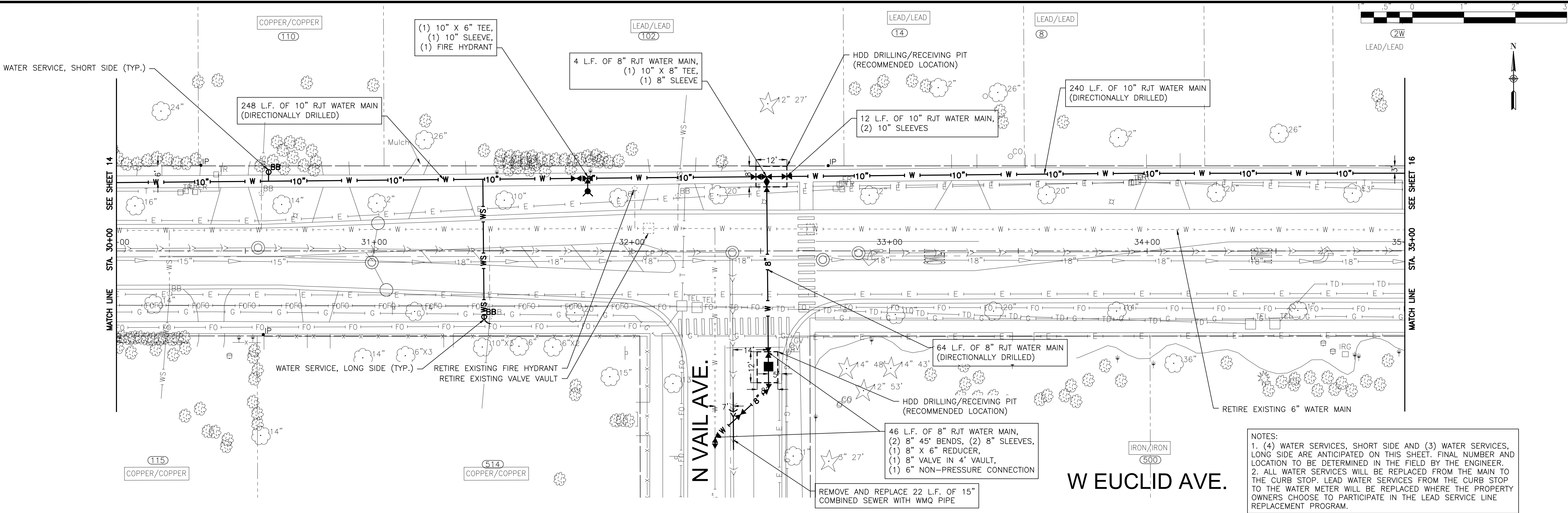
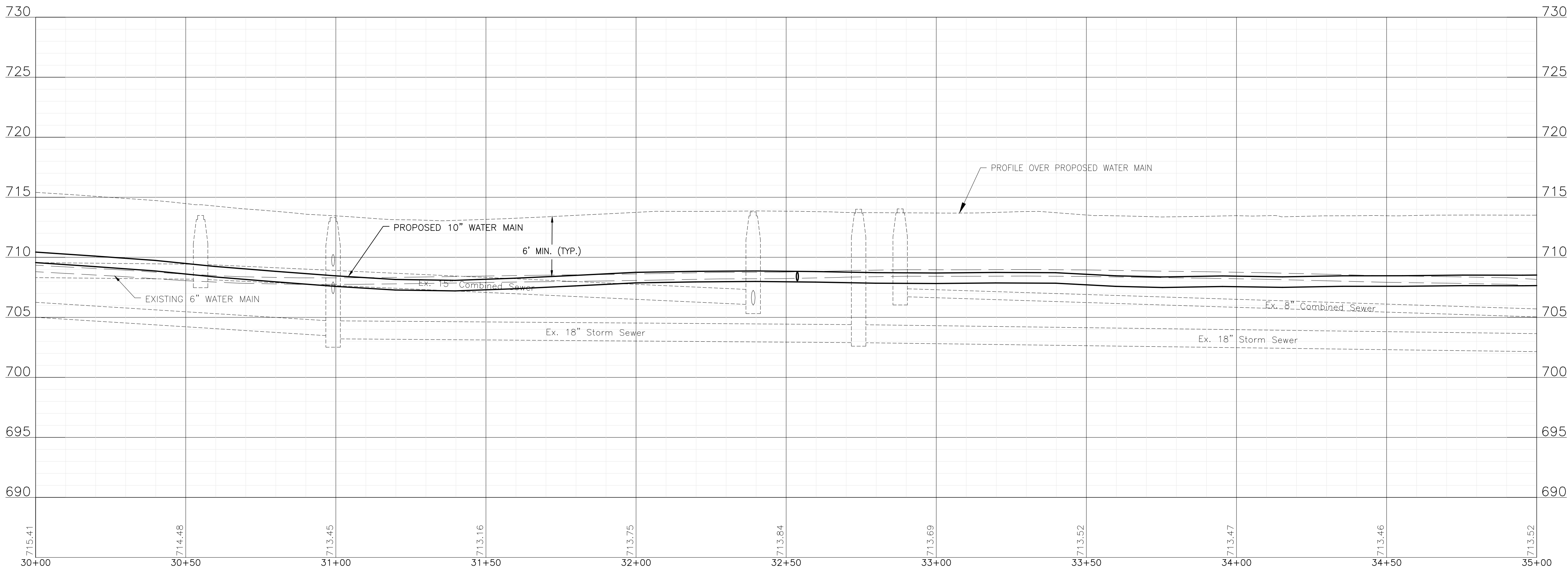
VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

EUCLID AVENUE STA 30+00 TO STA 35+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2401308

DESIGNED - RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN - ABN	37	15
CHECKED - BJA		
DATE - 2/28/25		



- NOTES:
- (4) WATER SERVICES, SHORT SIDE AND (3) WATER SERVICES, LONG SIDE ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - ALL WATER SERVICES WILL BE REPLACED FROM THE MAIN TO THE CURB STOP. LEAD WATER SERVICES FROM THE CURB STOP TO THE WATER METER WILL BE REPLACED WHERE THE PROPERTY OWNERS CHOOSE TO PARTICIPATE IN THE LEAD SERVICE LINE REPLACEMENT PROGRAM.

P:\ARLHT\2401308-WATER MAIN IMPROVEMENT PROJECT M\CAD\01_CIVIL 3D\01_SHTS-PLANS\2401308-EUCLID_WM-DESIGN_SHEETS_PNP.DWG 35+00.00
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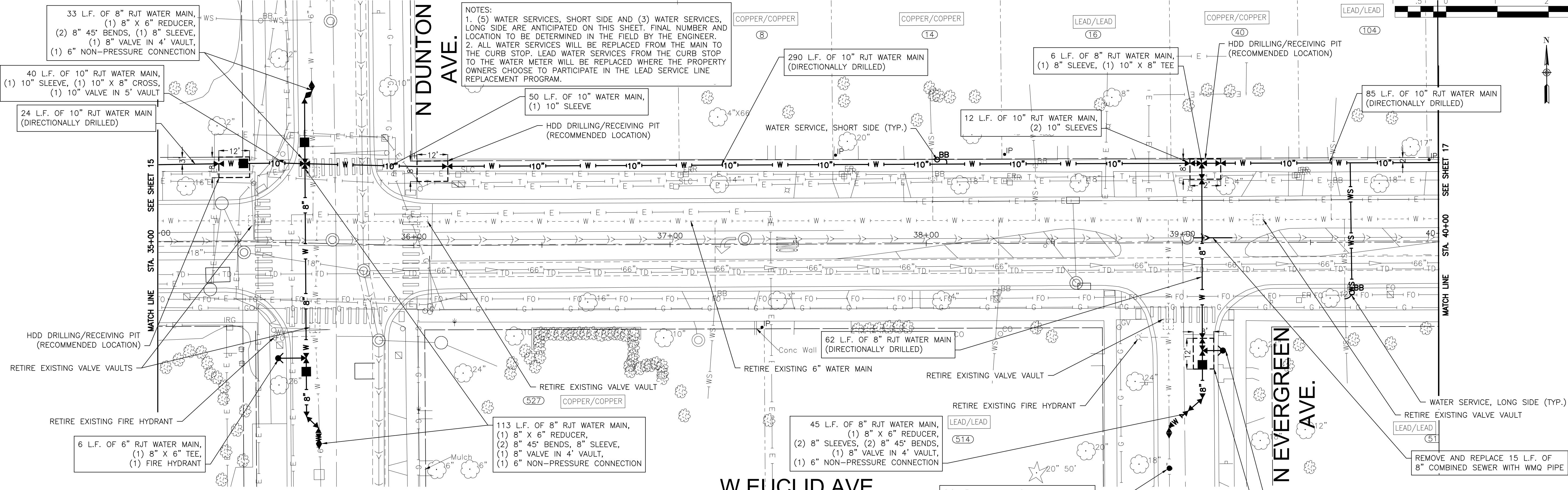
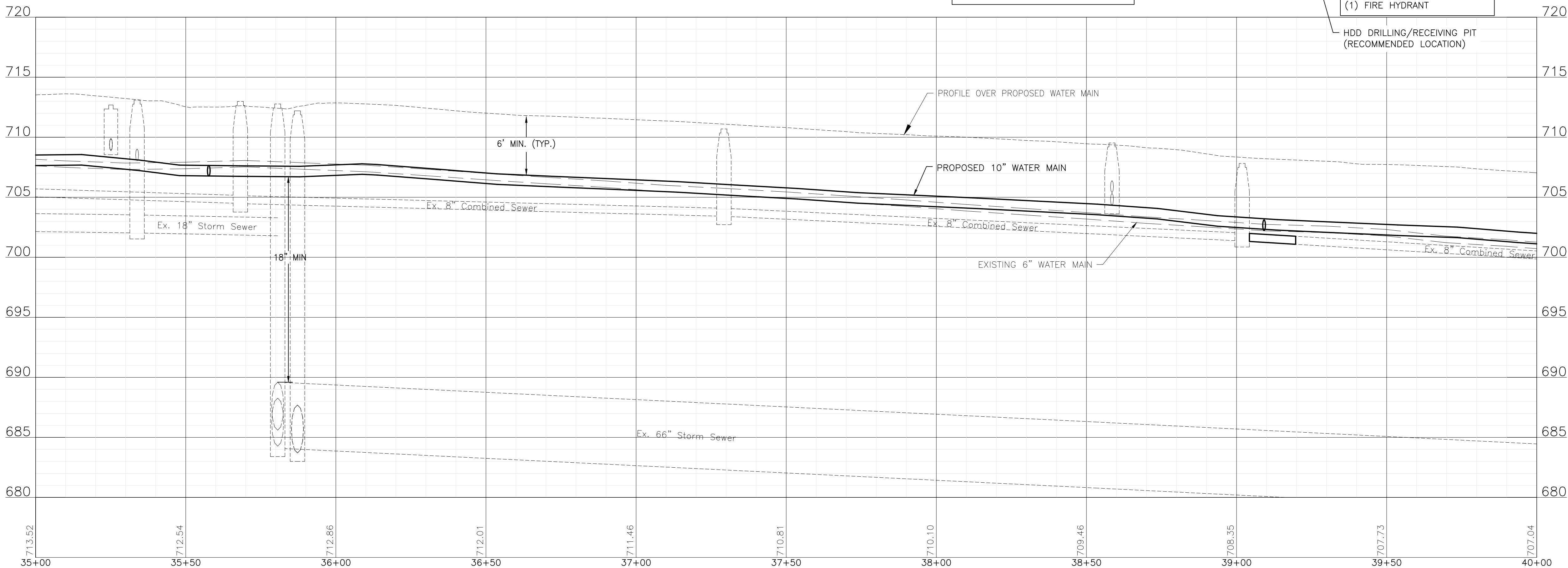
VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

EUCLID AVENUE STA 35+00 TO STA 40+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2401308

DESIGNED - RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN - ABN	37	16
CHECKED - BJA		
DATE - 2/28/25		



FINAL DESIGN
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2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

EUCLID AVENUE STA 40+00 TO STA 45+00 PLAN AND PROFILE

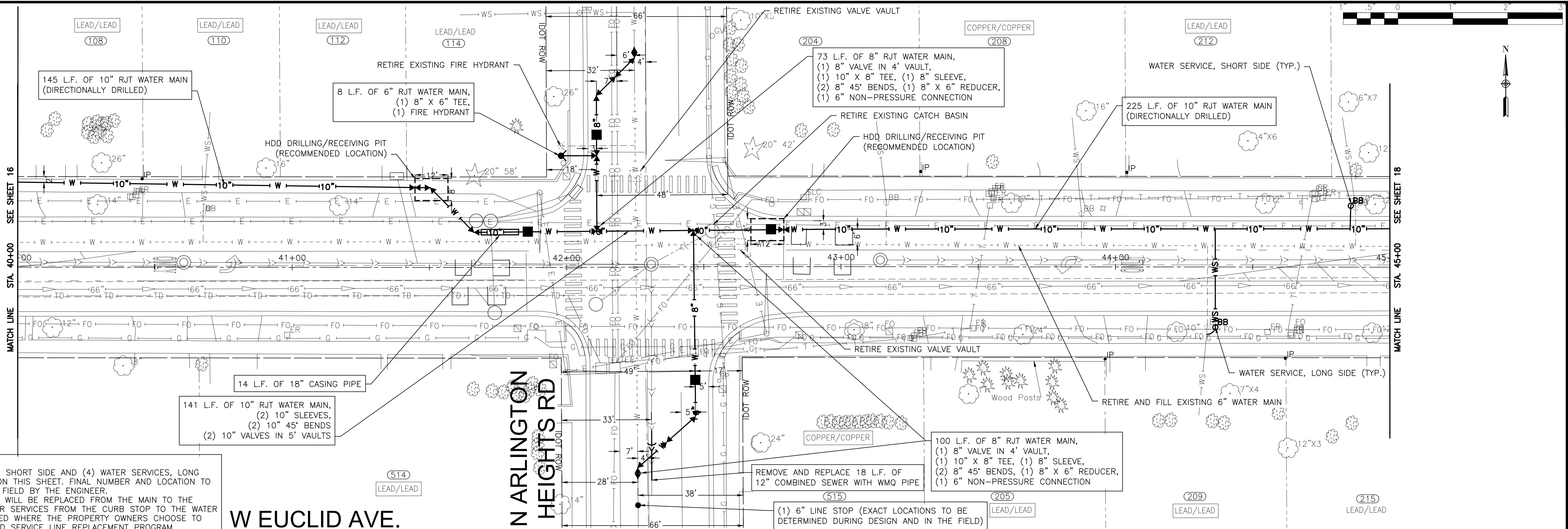
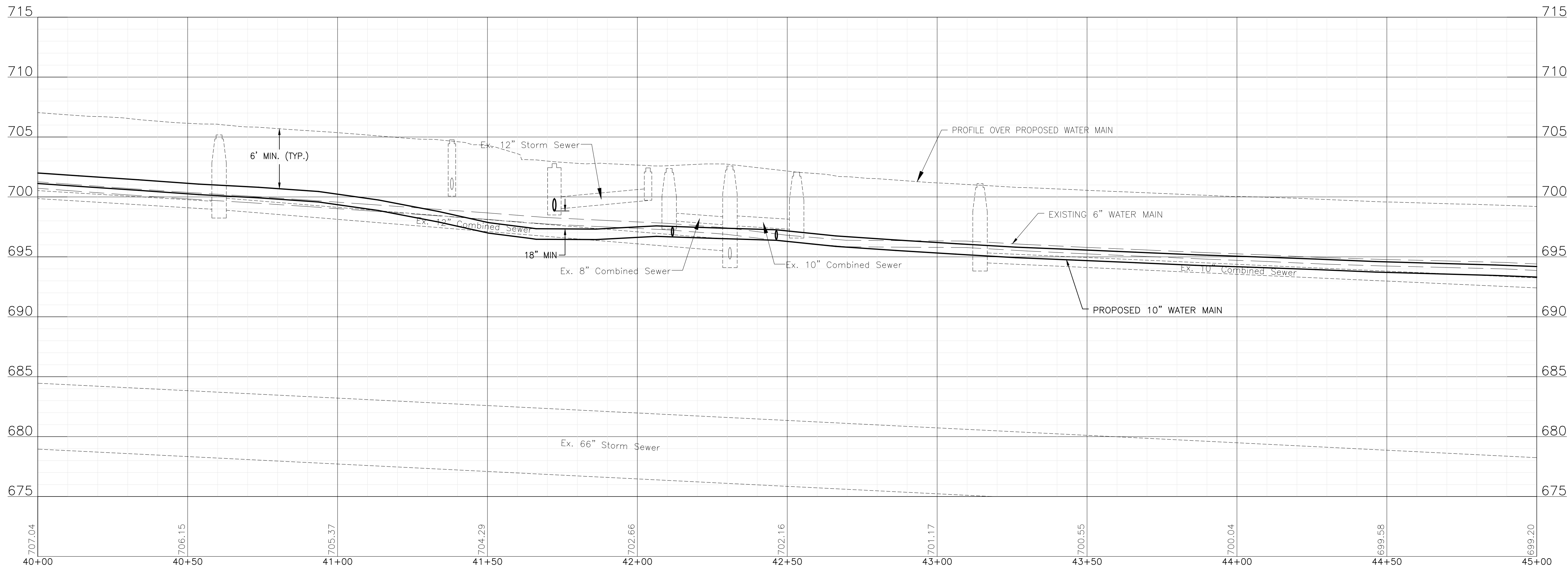
SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2401308

DESIGNED - RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN - ABN	37	17
CHECKED - BJA		
DATE - 2/28/25		

NOTES:

- (7) WATER SERVICES, SHORT SIDE AND (4) WATER SERVICES, LONG SIDE ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- ALL WATER SERVICES WILL BE REPLACED FROM THE MAIN TO THE CURB STOP. LEAD WATER SERVICES FROM THE CURB STOP TO THE WATER METER WILL BE REPLACED WHERE THE PROPERTY OWNERS CHOOSE TO PARTICIPATE IN THE LEAD SERVICE LINE REPLACEMENT PROGRAM.



FINAL DESIGN
FOR BIDDING

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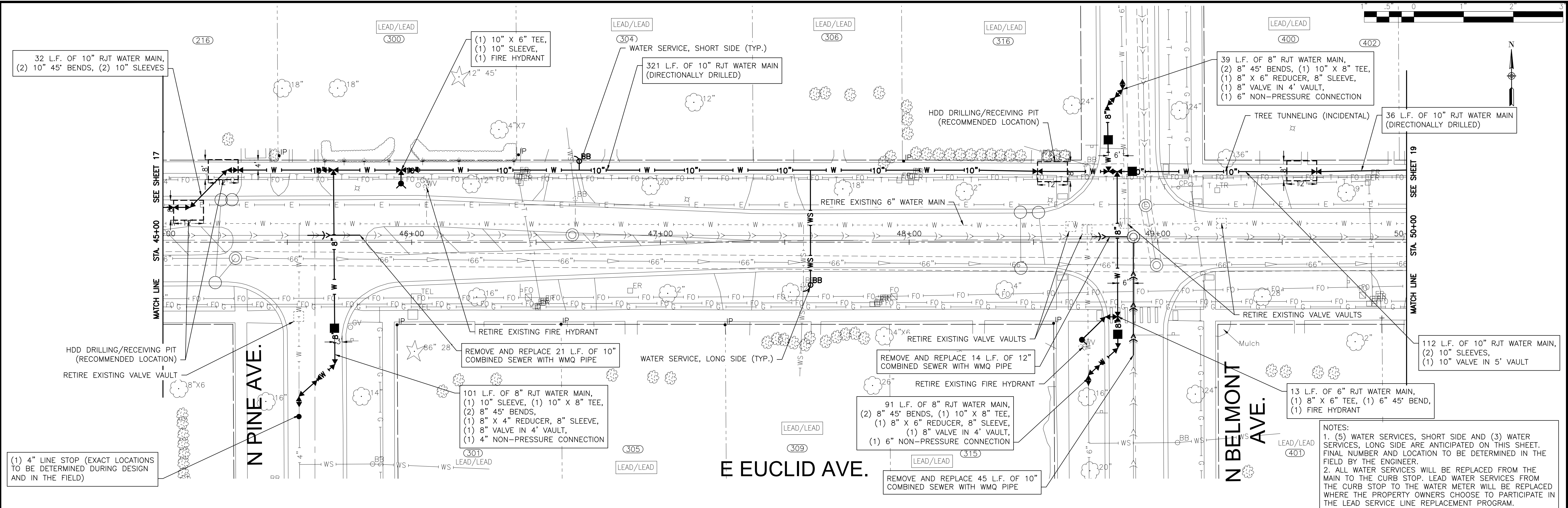
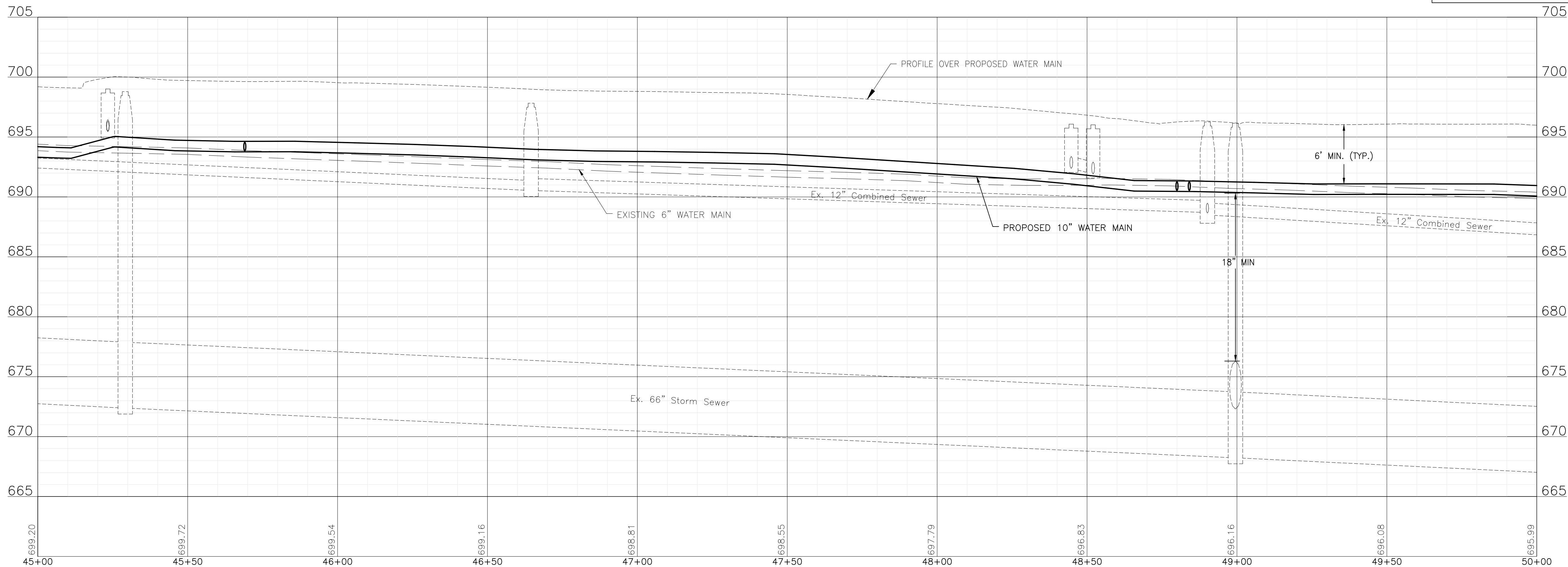
VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

EUCLID AVENUE STA 45+00 TO STA 50+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2401308

DESIGNED - RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN - ABN	37	18
CHECKED - BJA		
DATE - 2/28/25		



FINAL DESIGN
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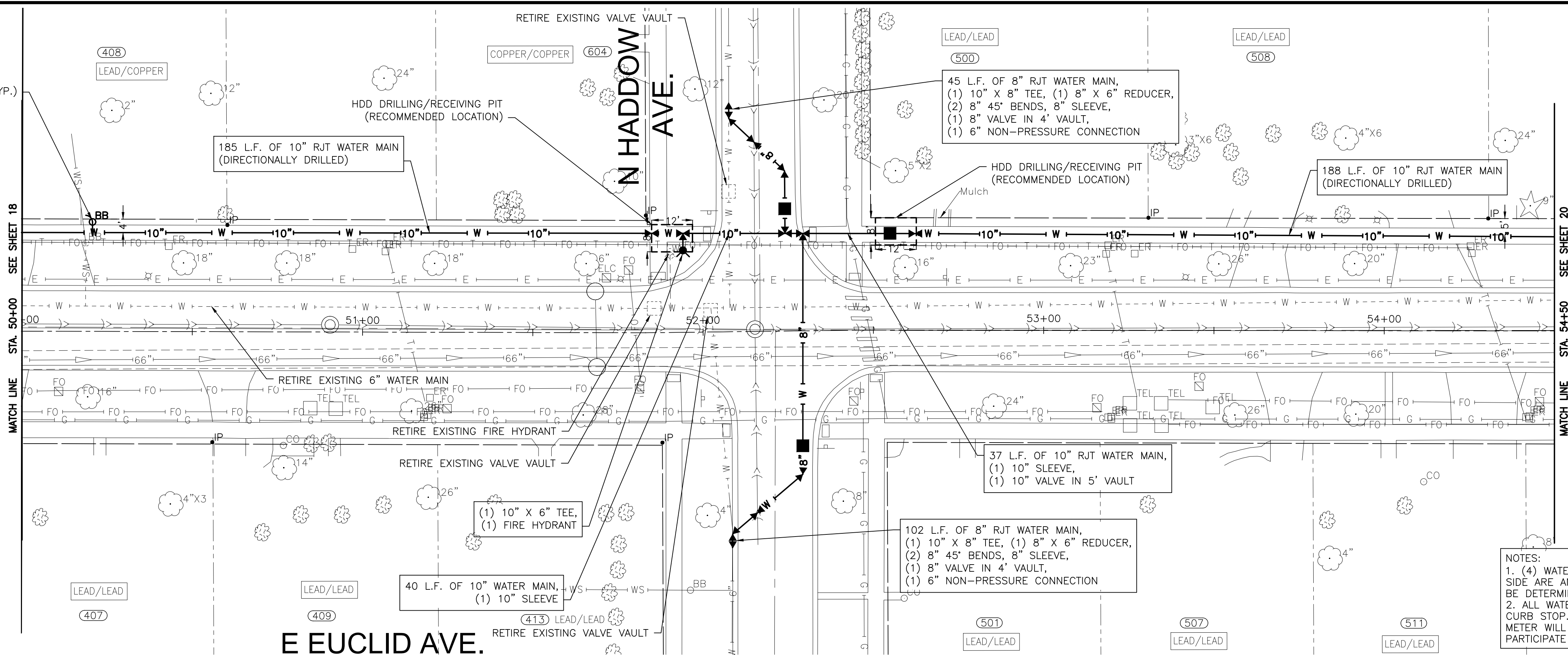
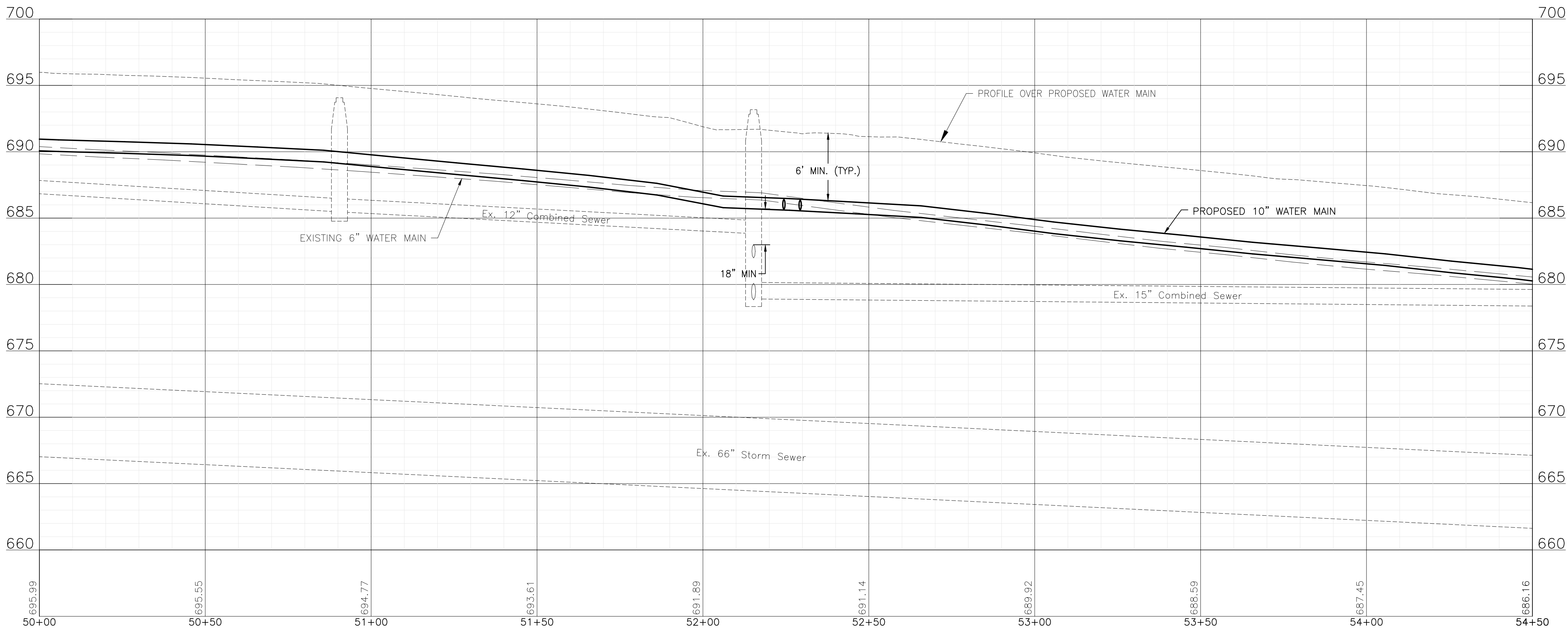
VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

EUCLID AVENUE STA 50+00 TO STA 54+50 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

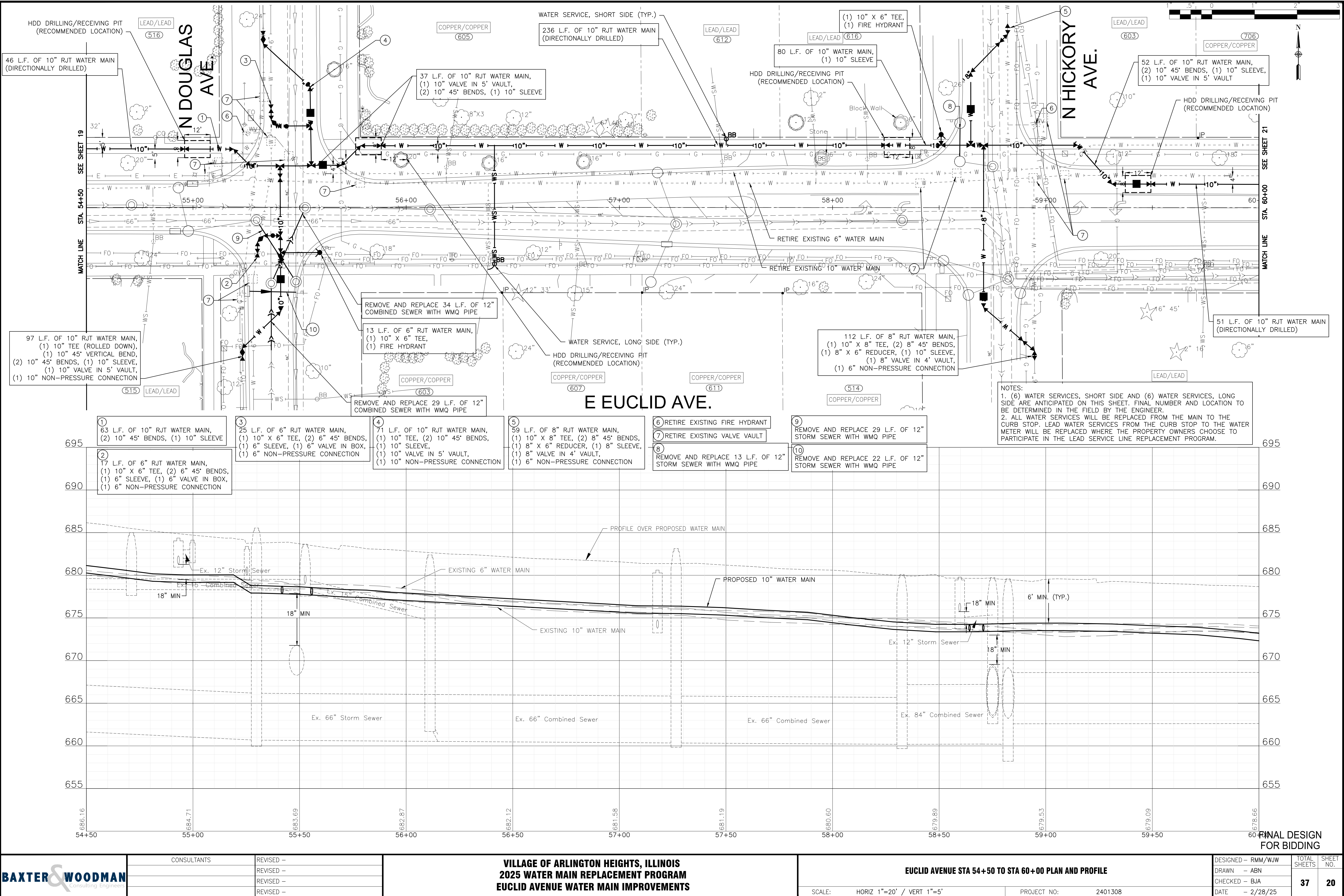
PROJECT NO: 2401308

DESIGNED - RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN - ABN	37	19
CHECKED - BJA		
DATE - 2/28/25		



- NOTES:
- (4) WATER SERVICES, SHORT SIDE AND (5) WATER SERVICES, LONG SIDE ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - ALL WATER SERVICES WILL BE REPLACED FROM THE MAIN TO THE CURB STOP. LEAD WATER SERVICES FROM THE CURB STOP TO THE WATER METER WILL BE REPLACED WHERE THE PROPERTY OWNERS CHOOSE TO PARTICIPATE IN THE LEAD SERVICE LINE REPLACEMENT PROGRAM.

P:\ARLH\2401308-WATER MAIN IMPROVEMENT PROJECT M\CAD\01_CIVIL 3D\01_SHTS-PLANS\2401308-EUCLID_WM-DESIGN_SHEETS_PNP.DWG 54+50.00
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**VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS**

EUCLID AVENUE STA 54+50 TO STA 60+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2401308

DESIGNED - RMM/WJW
DRAWN - ABN
CHECKED - BJA
DATE - 2/28/25

TOTAL SHEETS
SHEET NO.
37 20

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2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

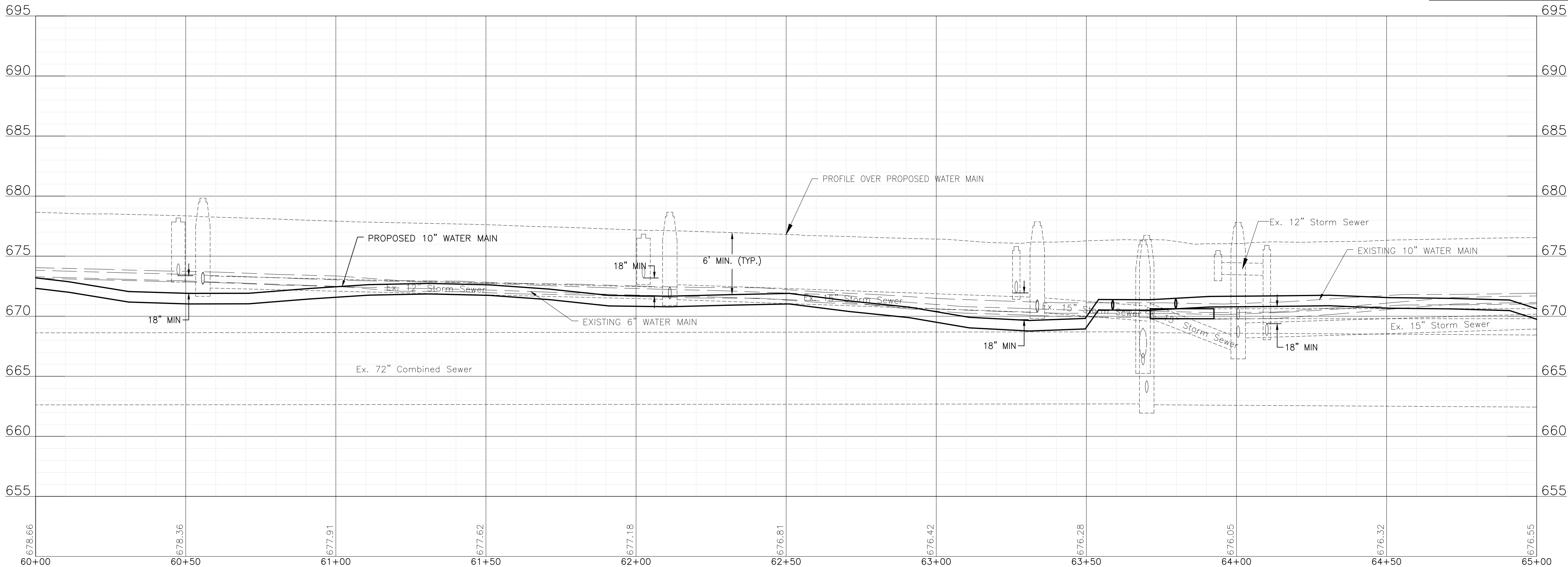
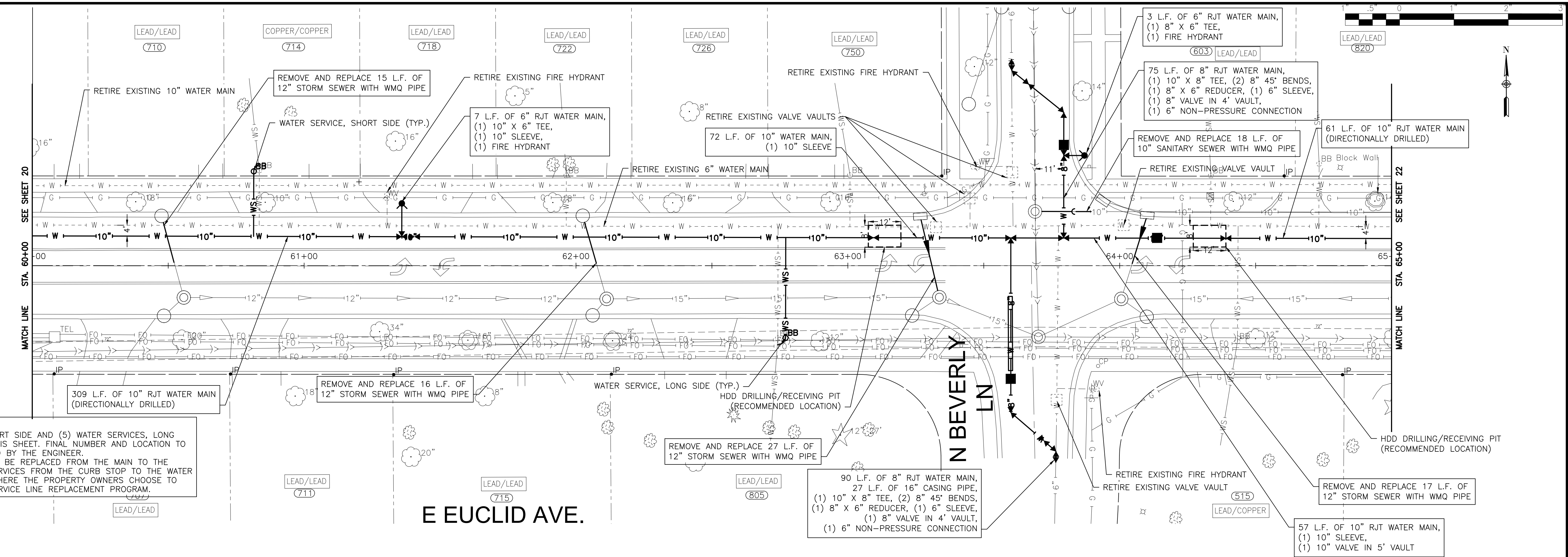
EUCLID AVENUE STA 60+00 TO STA 65+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2401308

DESIGNED - RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN - ABN	37	21
CHECKED - BJA		
DATE - 2/28/25		

- NOTES:
- (B) WATER SERVICES, SHORT SIDE AND (5) WATER SERVICES, LONG SIDE ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - ALL WATER SERVICES WILL BE REPLACED FROM THE MAIN TO THE CURB STOP. LEAD WATER SERVICES FROM THE CURB STOP TO THE WATER METER WILL BE REPLACED WHERE THE PROPERTY OWNERS CHOOSE TO PARTICIPATE IN THE LEAD SERVICE LINE REPLACEMENT PROGRAM.



FINAL DESIGN
FOR BIDDING

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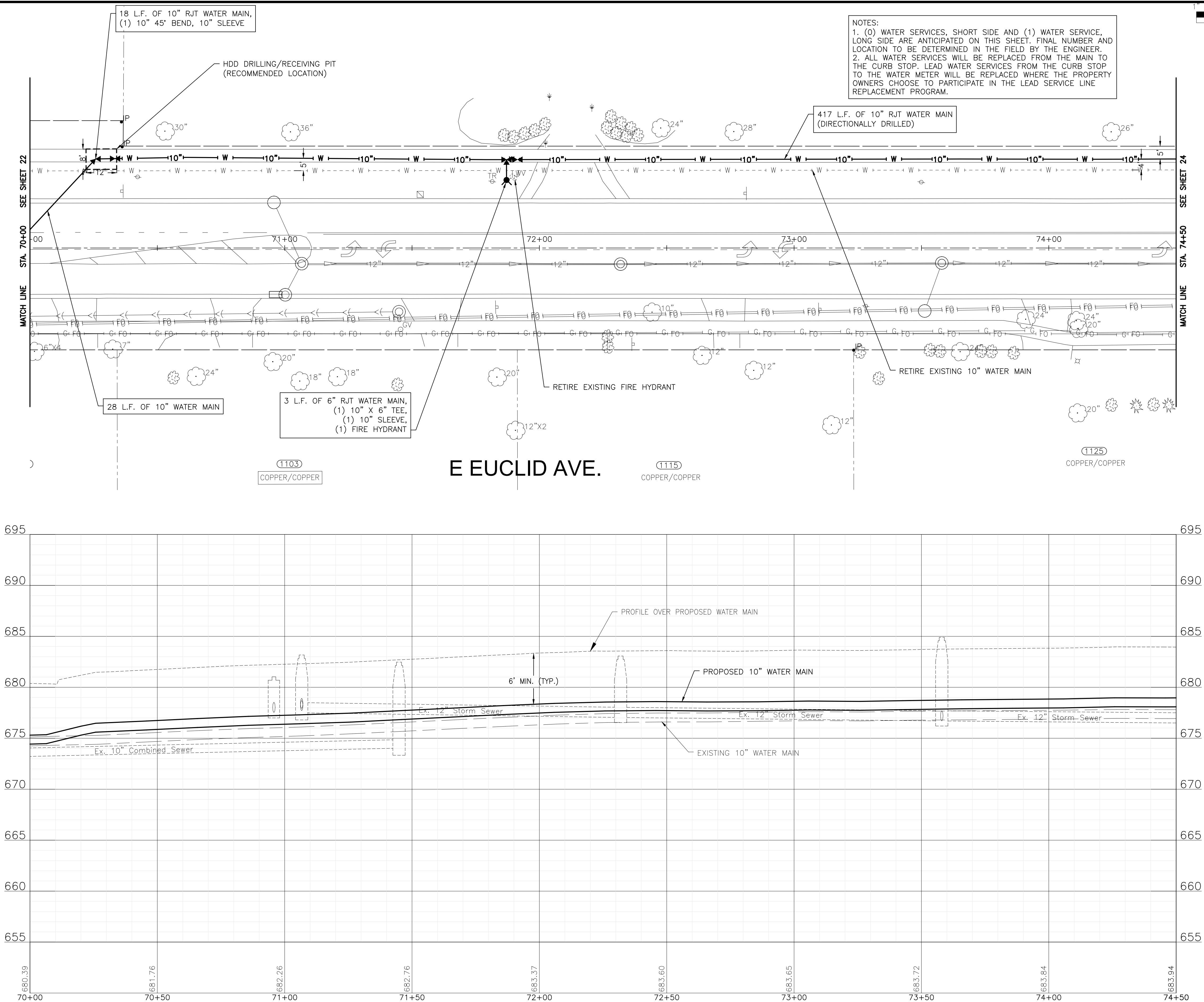
VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

EUCLID AVENUE STA 70+00 TO STA 74+50 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2401308

DESIGNED - RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN - ABN	37	23
CHECKED - BJA		
DATE - 2/28/25		



FINAL DESIGN
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VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

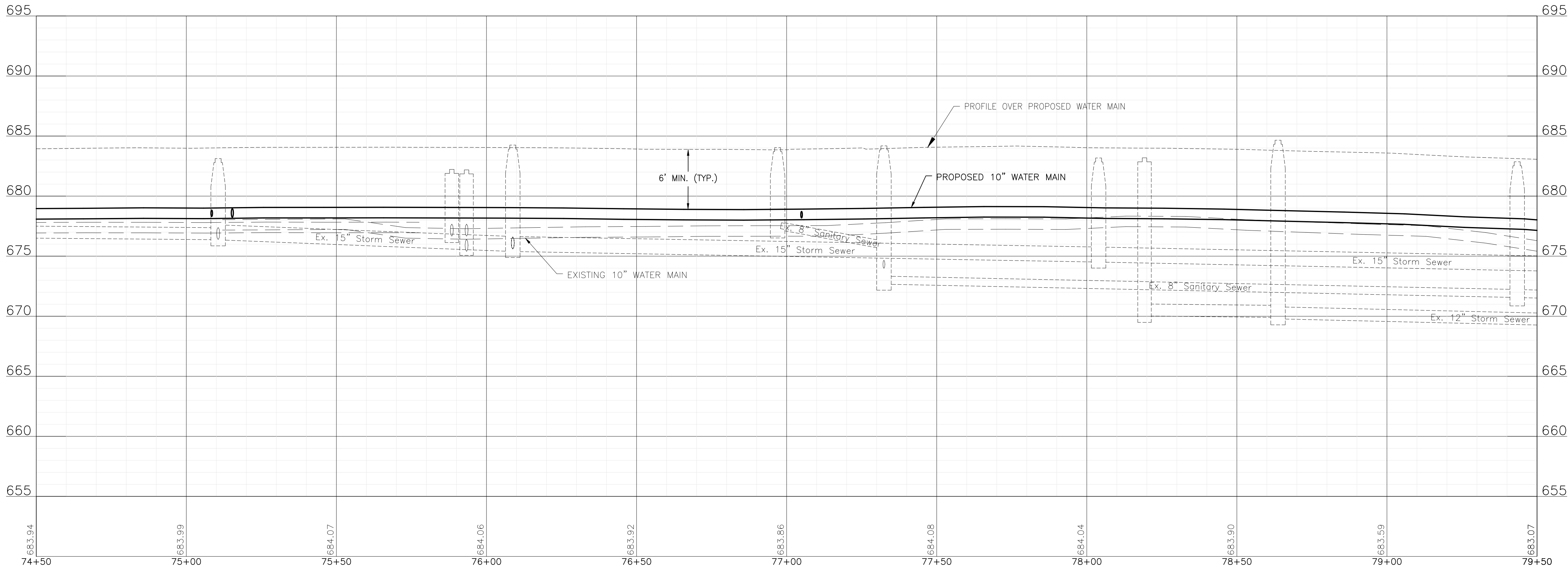
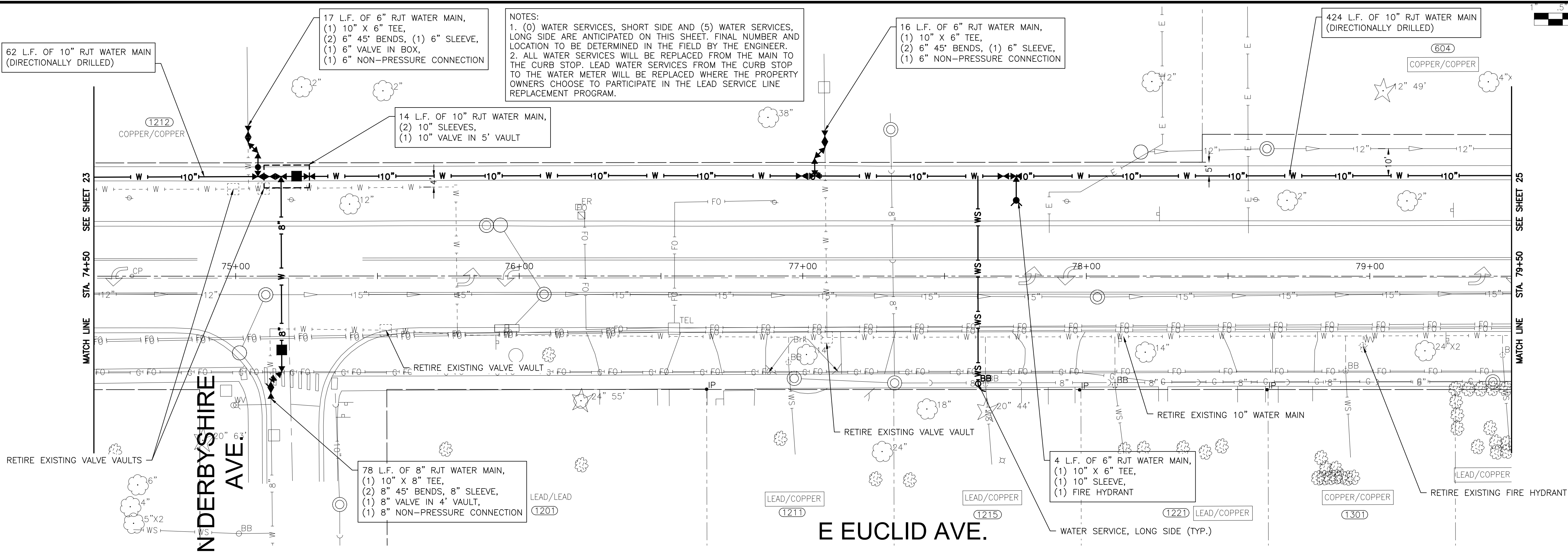
EUCLID AVENUE STA 74+50 TO STA 79+50 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2401308

DESIGNED - RMM/WJW
DRAWN - ABN
CHECKED - BJA
DATE - 2/28/25

TOTAL SHEETS
37
SHEET NO.
24



FINAL DESIGN
FOR BIDDING

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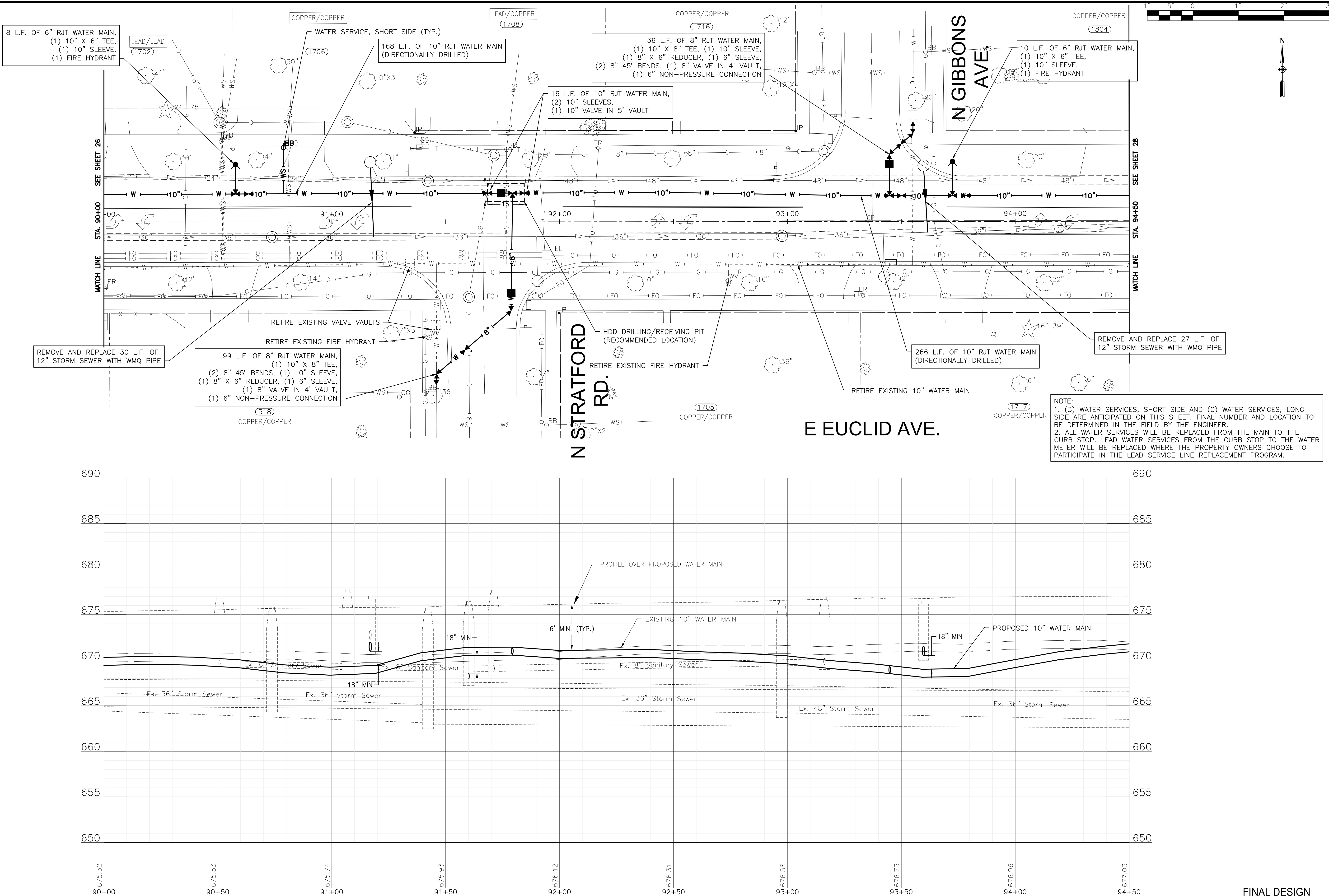
VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

EUCLID AVENUE STA 90+00 TO STA 94+50 PLAN AND PROFILE

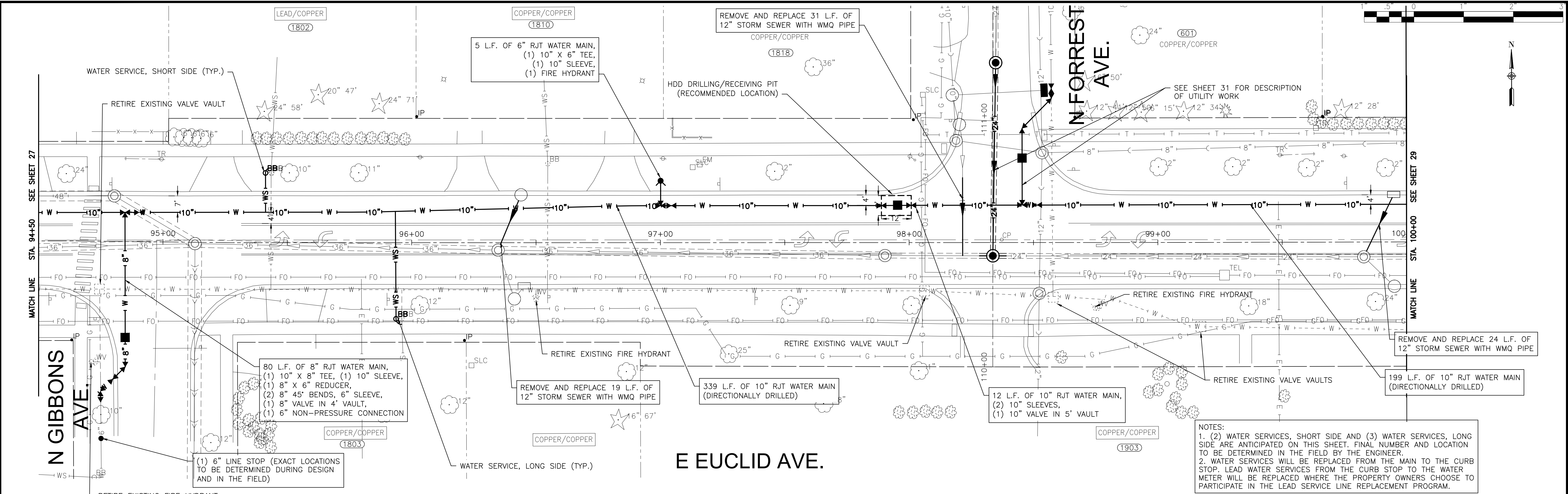
SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2401308

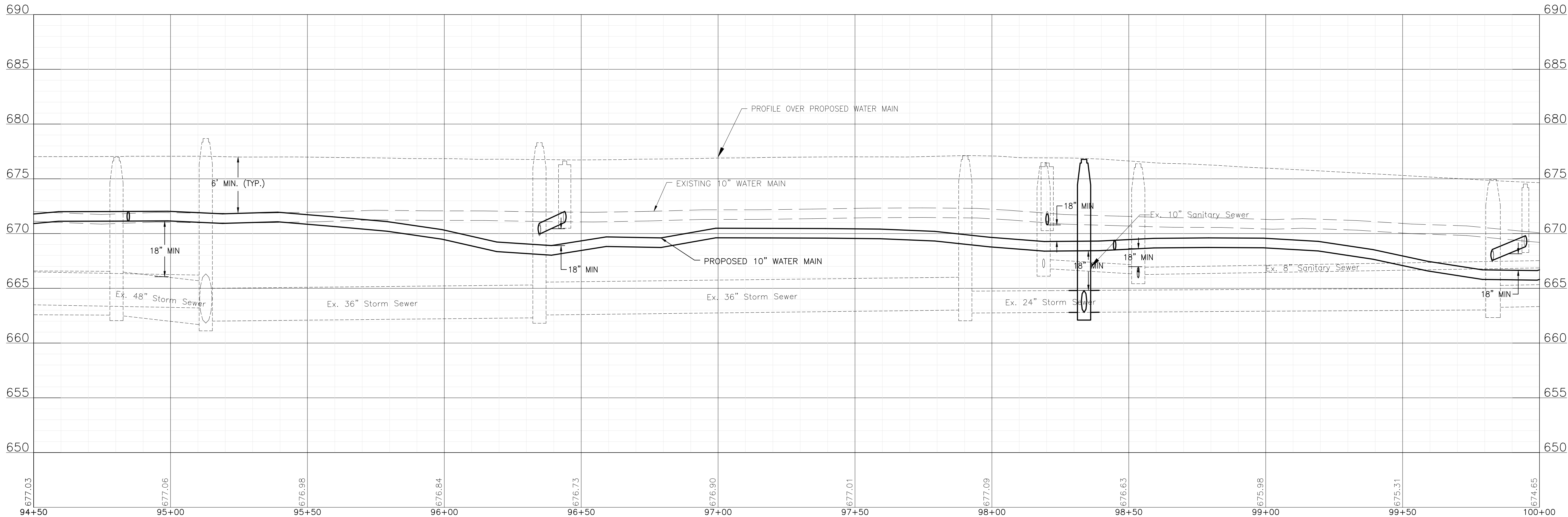
DESIGNED - RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN - ABN	37	27
CHECKED - BJA		
DATE - 2/28/25		



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2. WATER SERVICES WILL BE REPLACED FROM THE MAIN TO THE CURB STOP. LEAD WATER SERVICES FROM THE CURB STOP TO THE WATER METER WILL BE REPLACED WHERE THE PROPERTY OWNERS CHOOSE TO PARTICIPATE IN THE LEAD SERVICE LINE REPLACEMENT PROGRAM.



	CONSULTANTS		REVISED –	VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS 2025 WATER MAIN REPLACEMENT PROGRAM EUCLID AVENUE WATER MAIN IMPROVEMENTS	EUCLID AVENUE STA 94+50 TO STA 100+00 PLAN AND PROFILE				DESIGNED – RMM/WJW	TOTAL SHEETS	SHEET NO.
			REVISED –						DRAWN – ABN		
			REVISED –						CHECKED – BJA		
			REVISED –		DATE – 2/28/25						
	SCALE: HORIZ 1"=20' / VERT 1"=5'				PROJECT NO: 2401308			37	28		

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VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

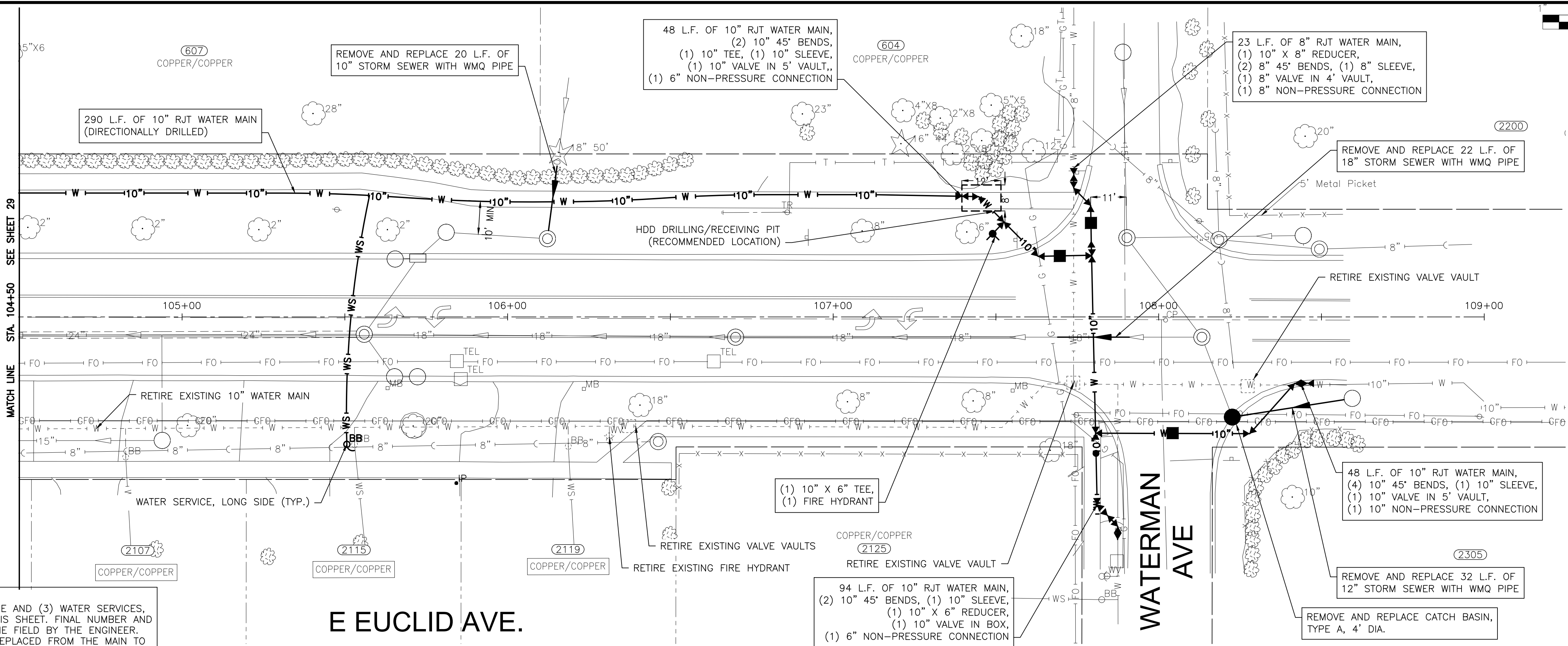
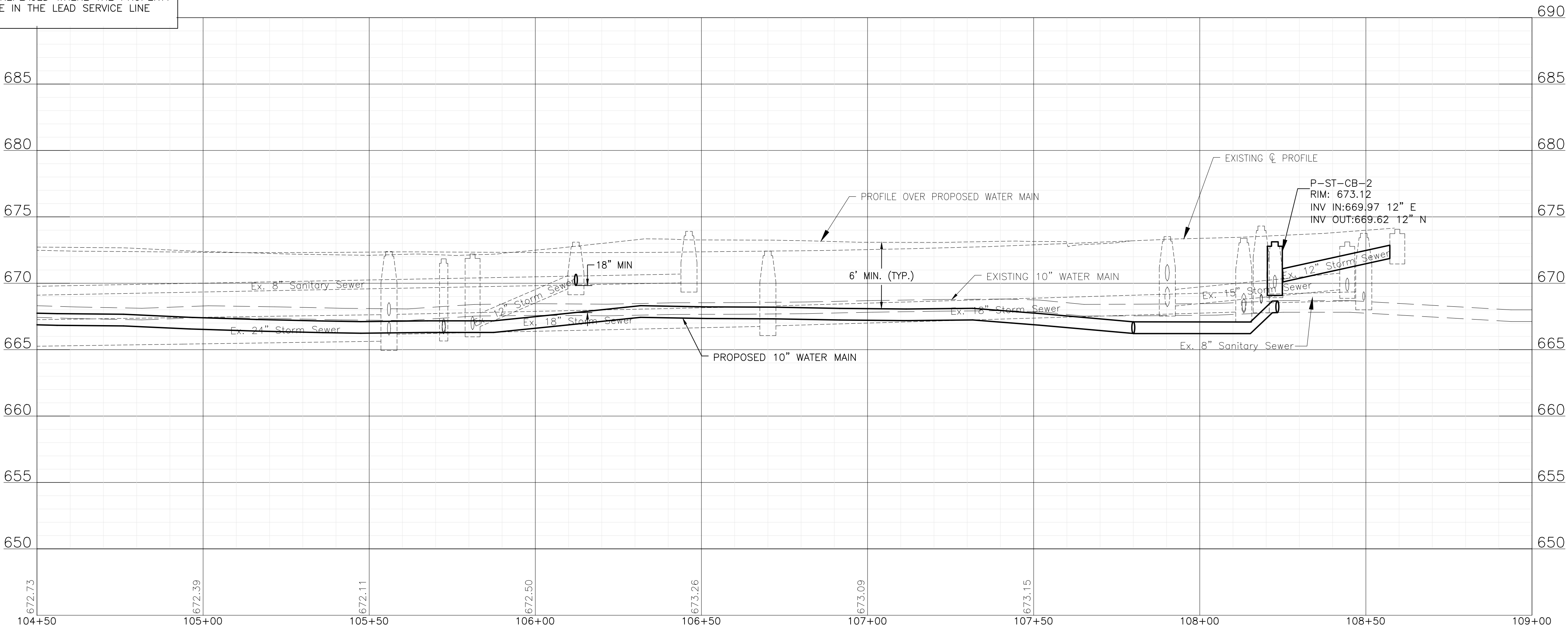
EUCLID AVENUE STA 104+50 TO STA 109+25 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2401308

DESIGNED - RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN - ABN	37	30
CHECKED - BJA		
DATE - 2/28/25		

NOTES:
1. (0) WATER SERVICES, SHORT SIDE AND (3) WATER SERVICES, LONG SIDE ARE ANTICIPATED ON THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. ALL WATER SERVICES WILL BE REPLACED FROM THE MAIN TO THE CURB STOP. LEAD WATER SERVICES FROM THE MAIN TO THE WATER METER WILL BE REPLACED WHERE THE PROPERTY OWNERS CHOOSE TO PARTICIPATE IN THE LEAD SERVICE LINE REPLACEMENT PROGRAM.



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VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

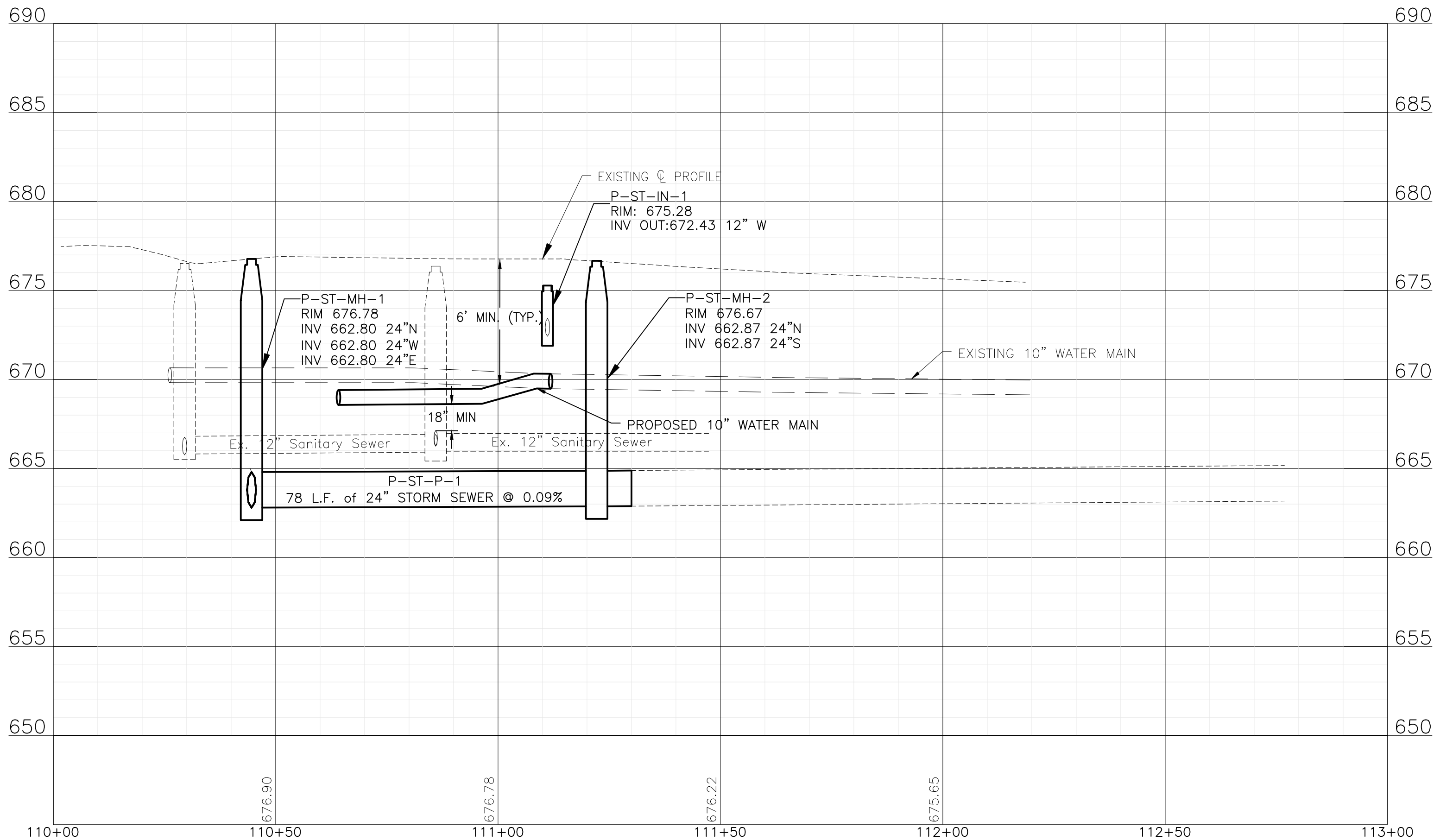
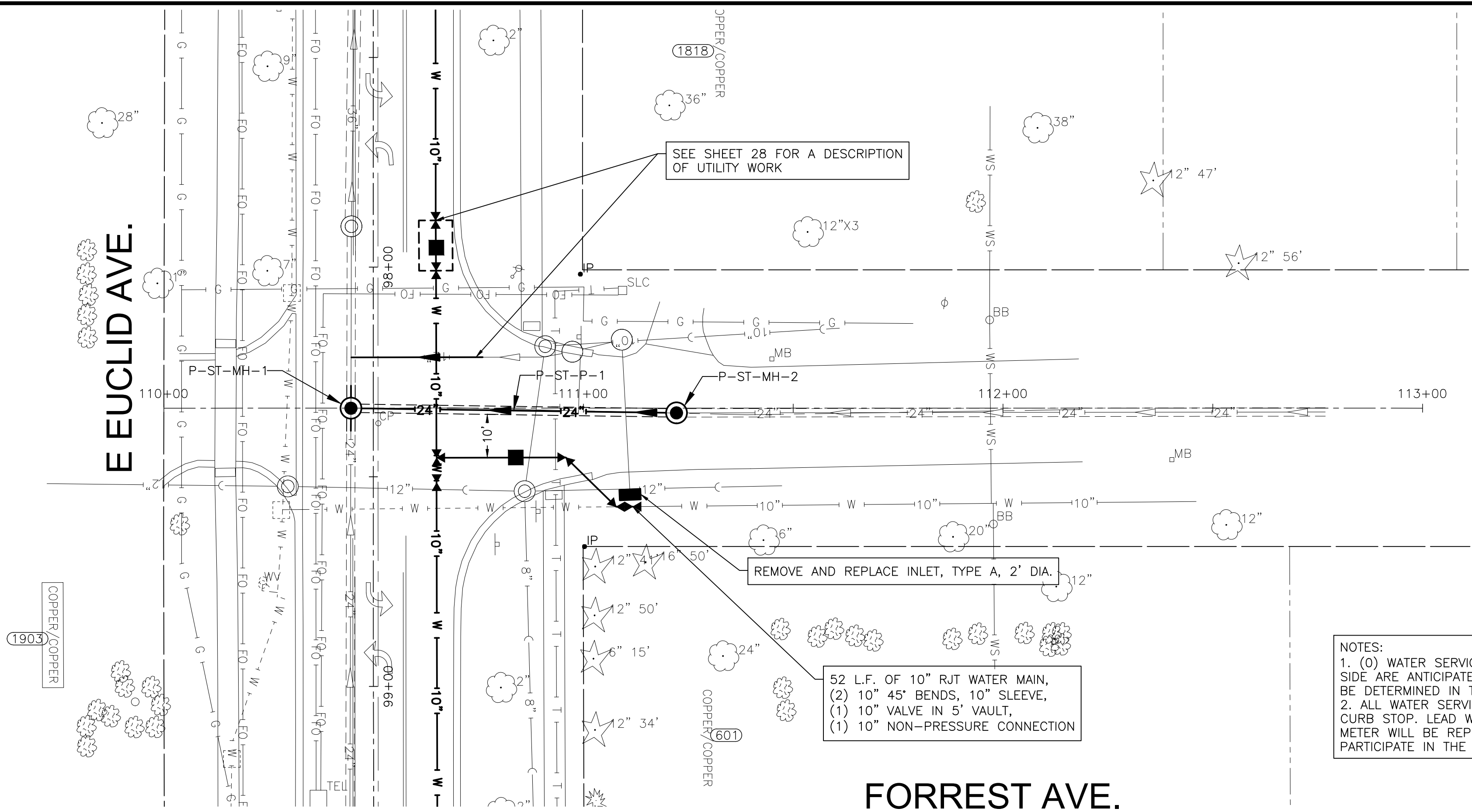
FORREST AVENUE STA 110+00 TO STA 113+00 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2401308

DESIGNED - RMM/WJW
DRAWN - ABN
CHECKED - BJA
DATE - 2/28/25

TOTAL SHEETS	SHEET NO.
37	31



FINAL DESIGN
FOR BIDDING

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2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

EUCLID AVENUE STA 40+00 TO STA 45+00 RESTORATION PLAN

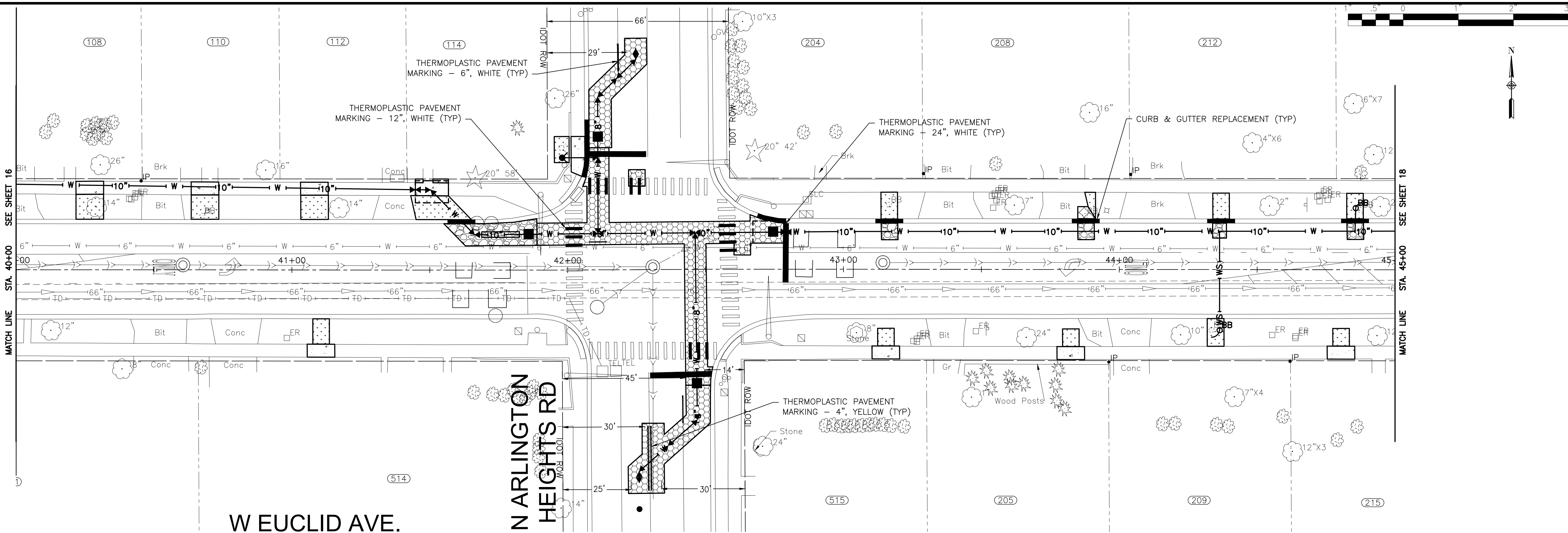
SCALE: 1" = 20'

PROJECT NO: 2401308

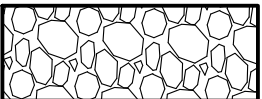
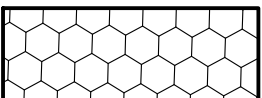
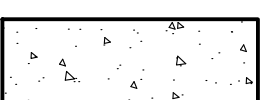
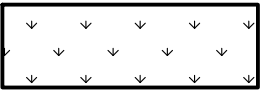
DESIGNED — RMM/WJW
DRAWN — ABN
CHECKED — BJA
DATE — 2/28/25

TOTAL SHEETS	SHEET NO.
37	33

FINAL DESIGN
FOR BIDDING



RESTORATION LEGEND

-  12" CLASS D PATCH
-  12" CLASS D PATCH (SPECIAL), 10" BINDER WITH 2" SURFACE
-  12" CLASS C PATCH (SPECIAL), 10" PCC WITH 2" HMA SURFACE
-  PCC SIDEWALK REMOVAL AND REPLACEMENT
-  RESTORATION OF LAWNS AND PARKWAYS
-  DRIVEWAY REMOVAL AND REPLACEMENT

P:\ARLHT\2401308-WATER MAIN IMPROVEMENT PROJECT M\CAD\01_CIVIL 3D\01_SHTS-PLANS\2401308-EUCLID_WM-COVER_GEN_DET.DWG ROAD DETS
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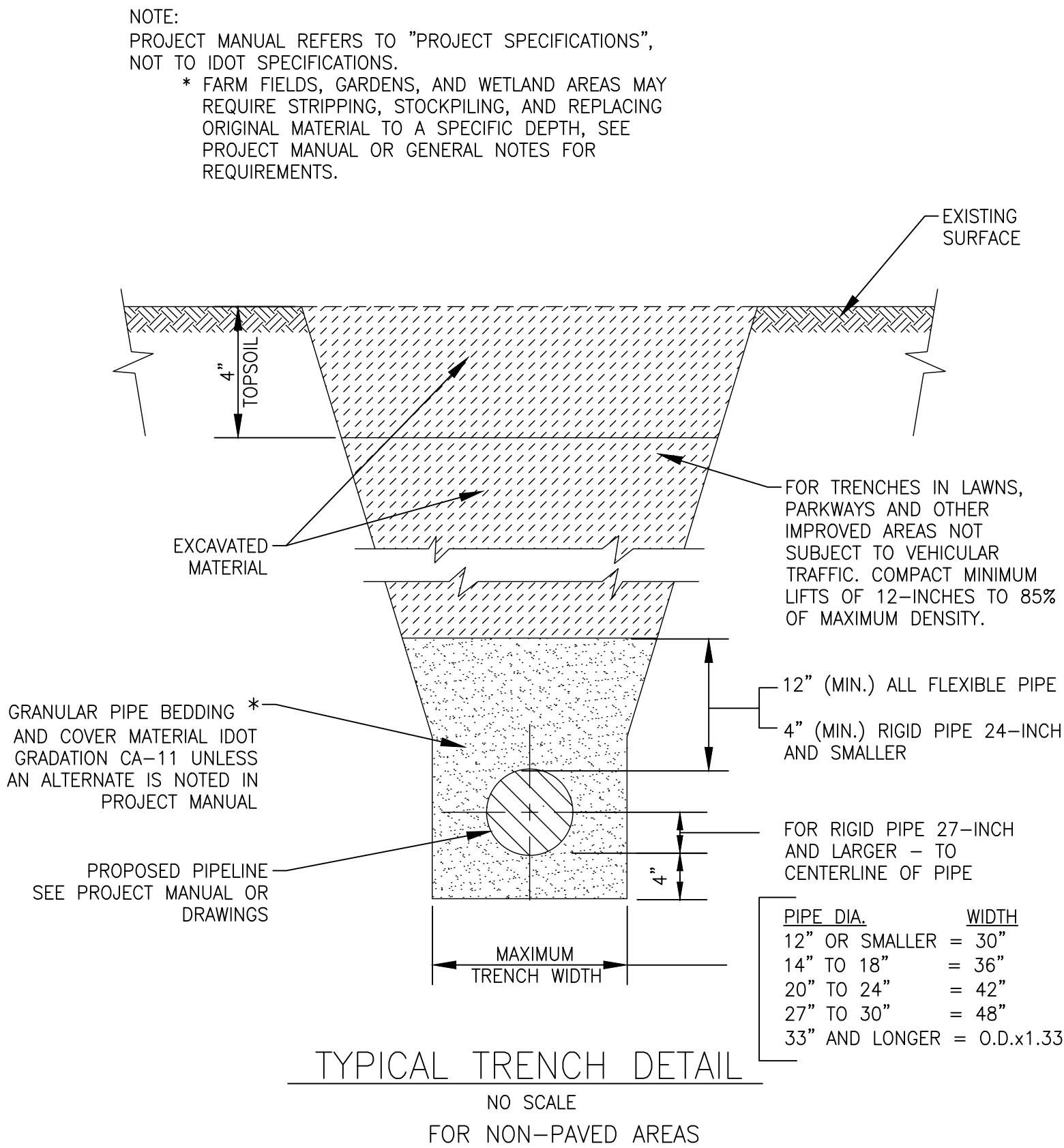
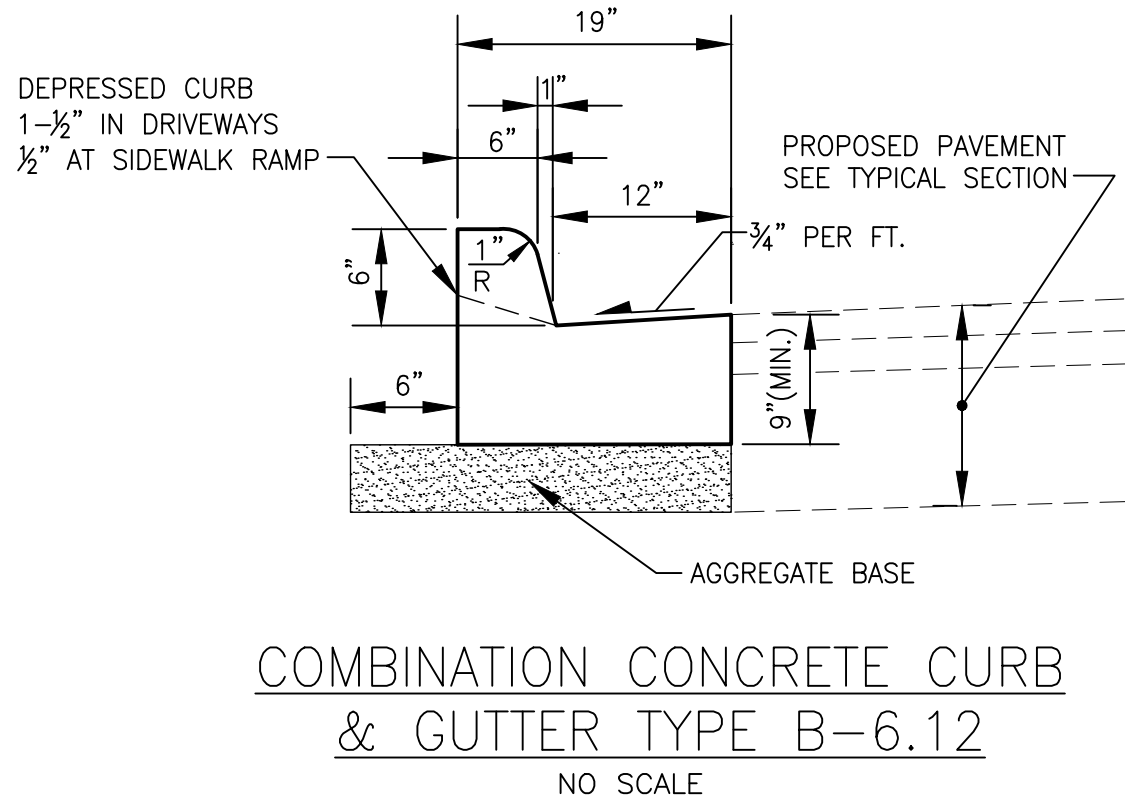
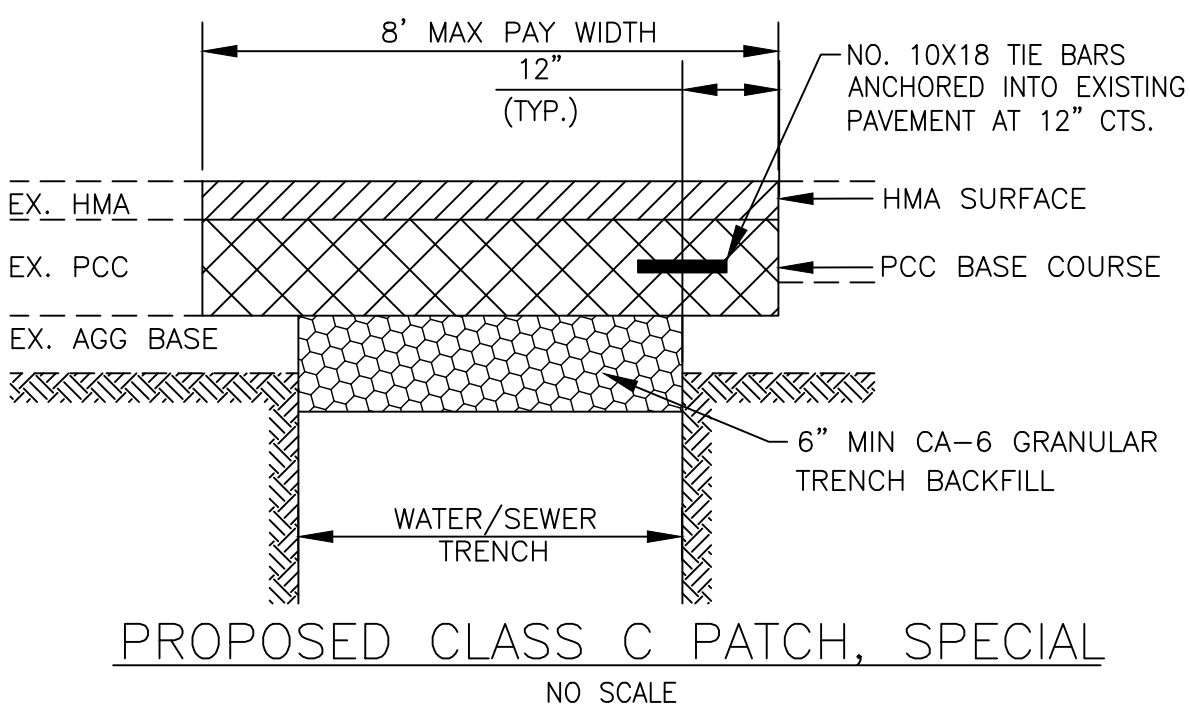
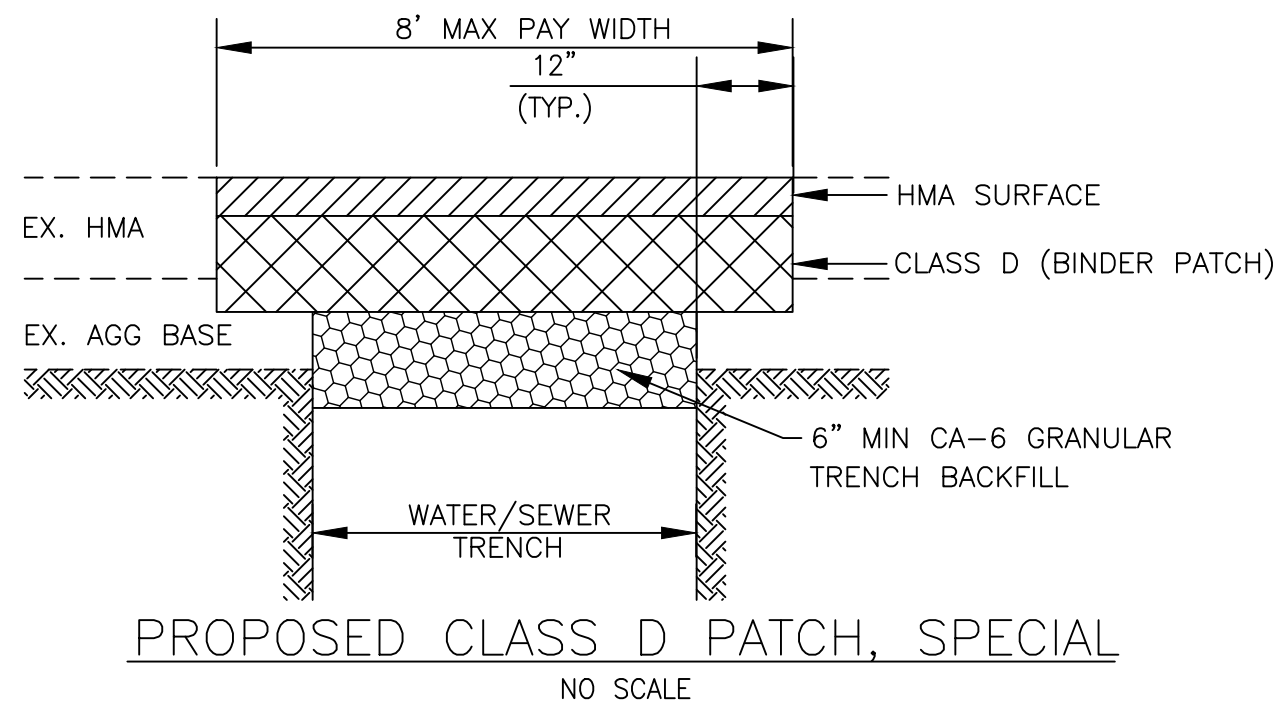
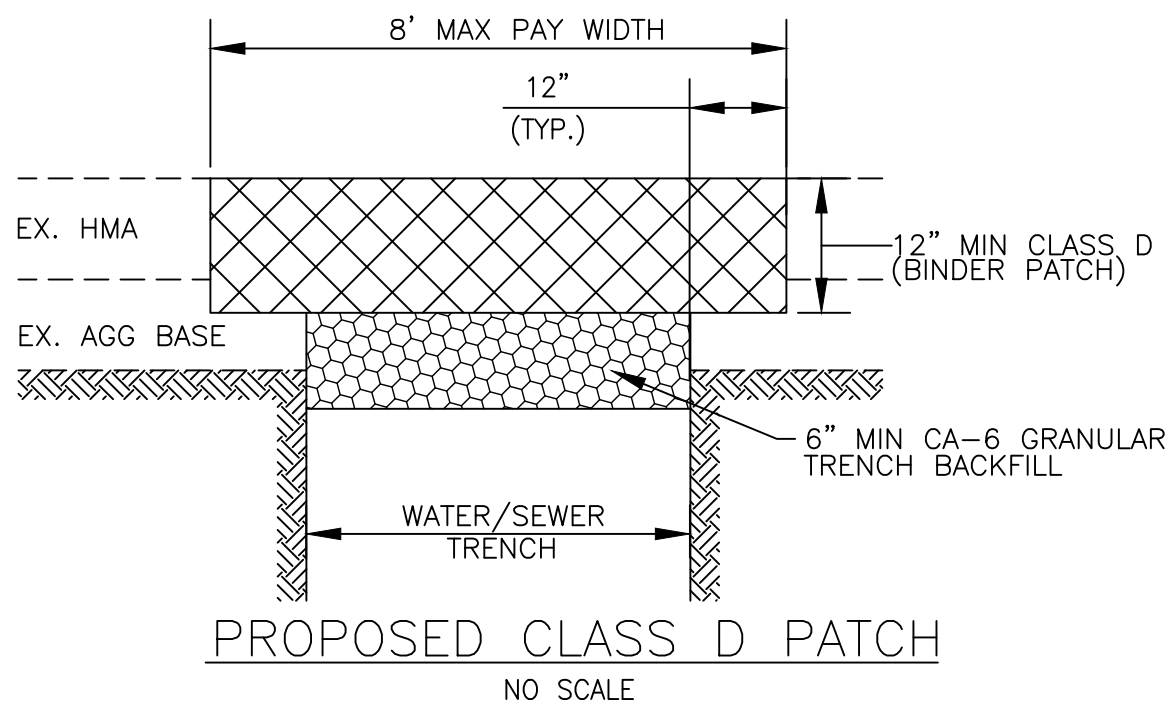


CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS

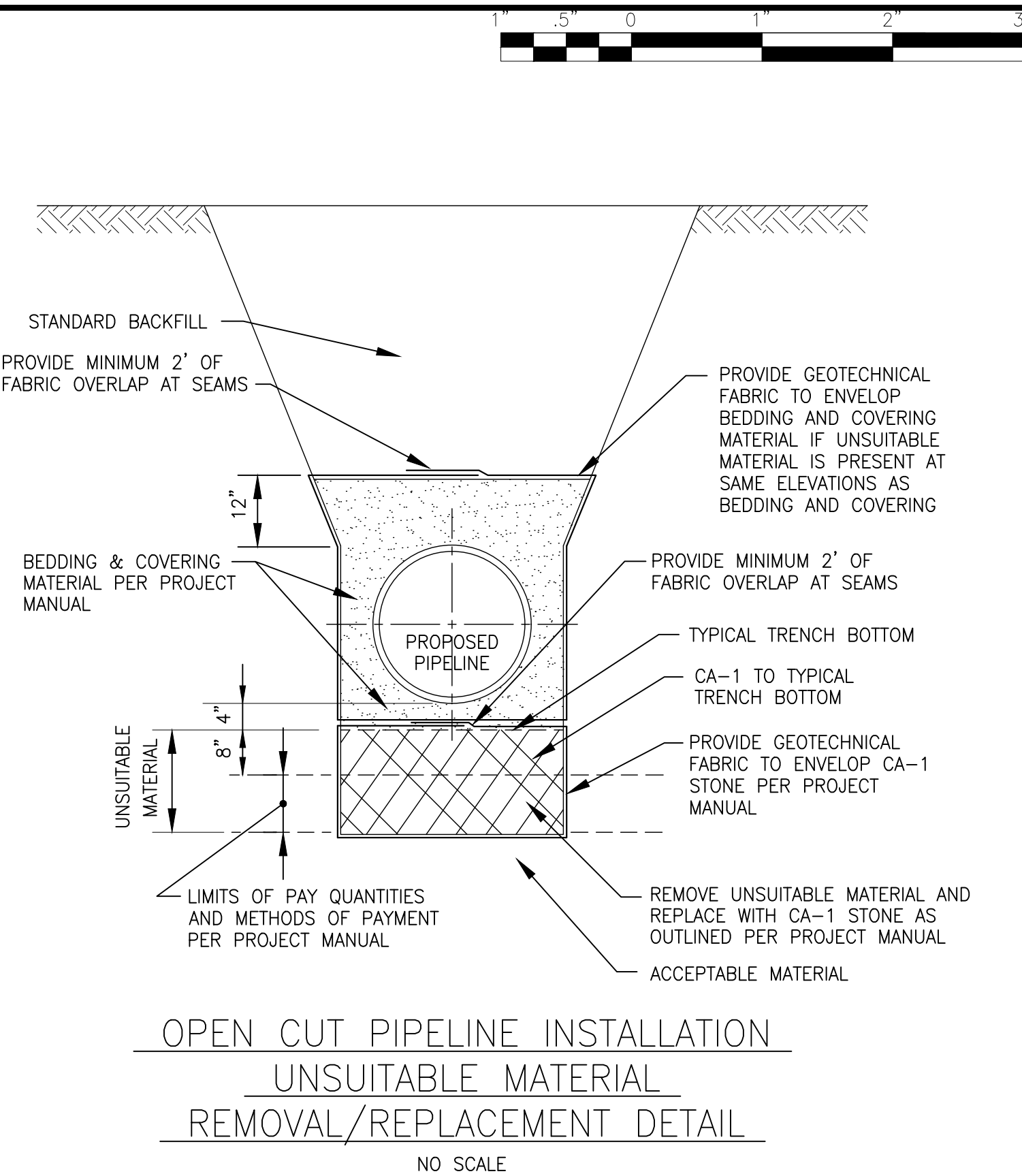
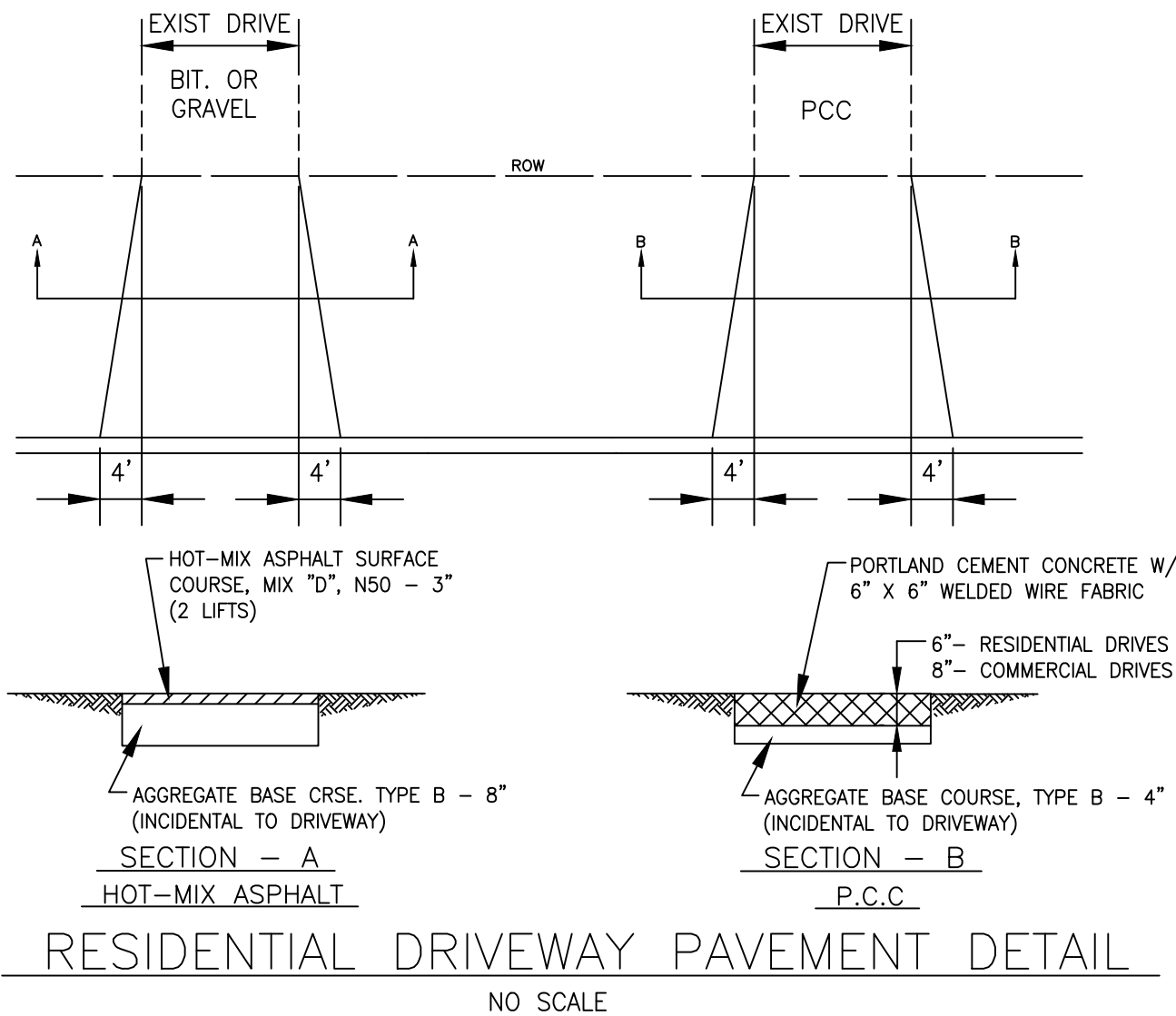
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ASTM 2321, CLASS I OR II.

FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.

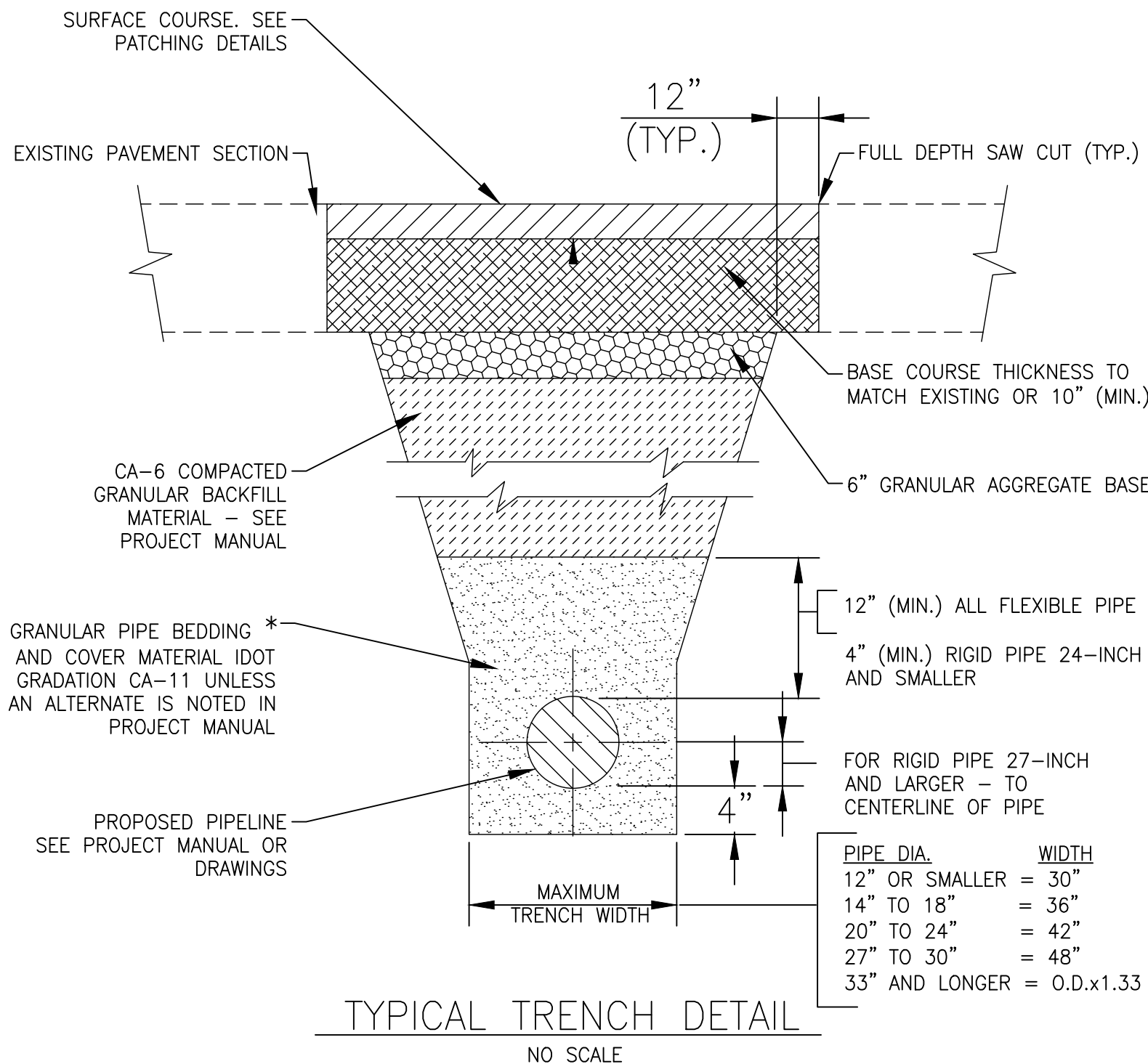


* FOR FLEXIBLE THERMOPLASTIC OR HDPE PIPE COMPLY WITH
ASTM 2321, CLASS I OR II.

FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.



NOTE:
PROJECT MANUAL REFERS TO "PROJECT SPECIFICATIONS",
NOT TO IDOT SPECIFICATIONS.



FOR PAVEMENT WITH AGGREGATE BASE AND
COMPACTED GRANULAR BACKFILL MATERIAL.

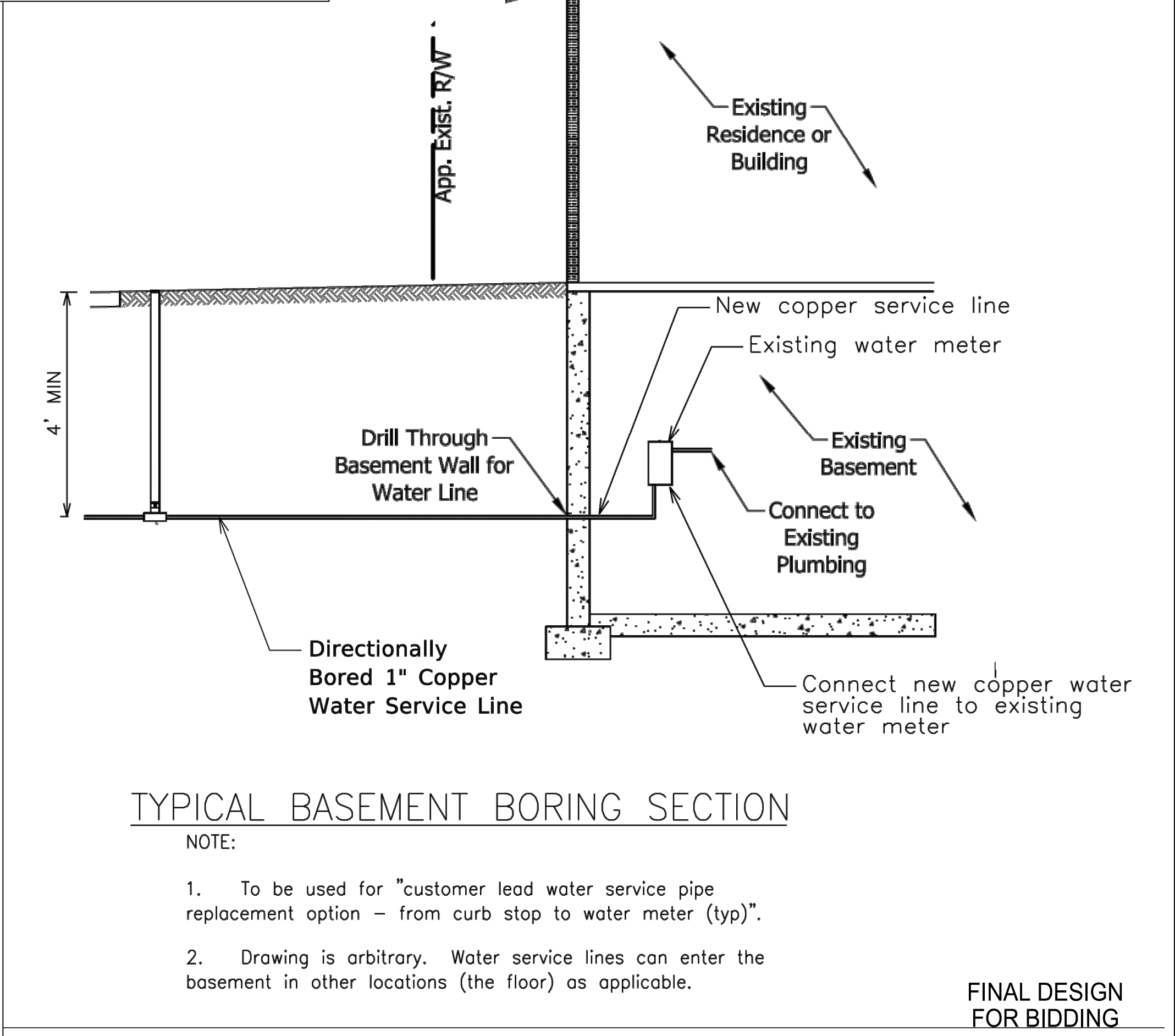
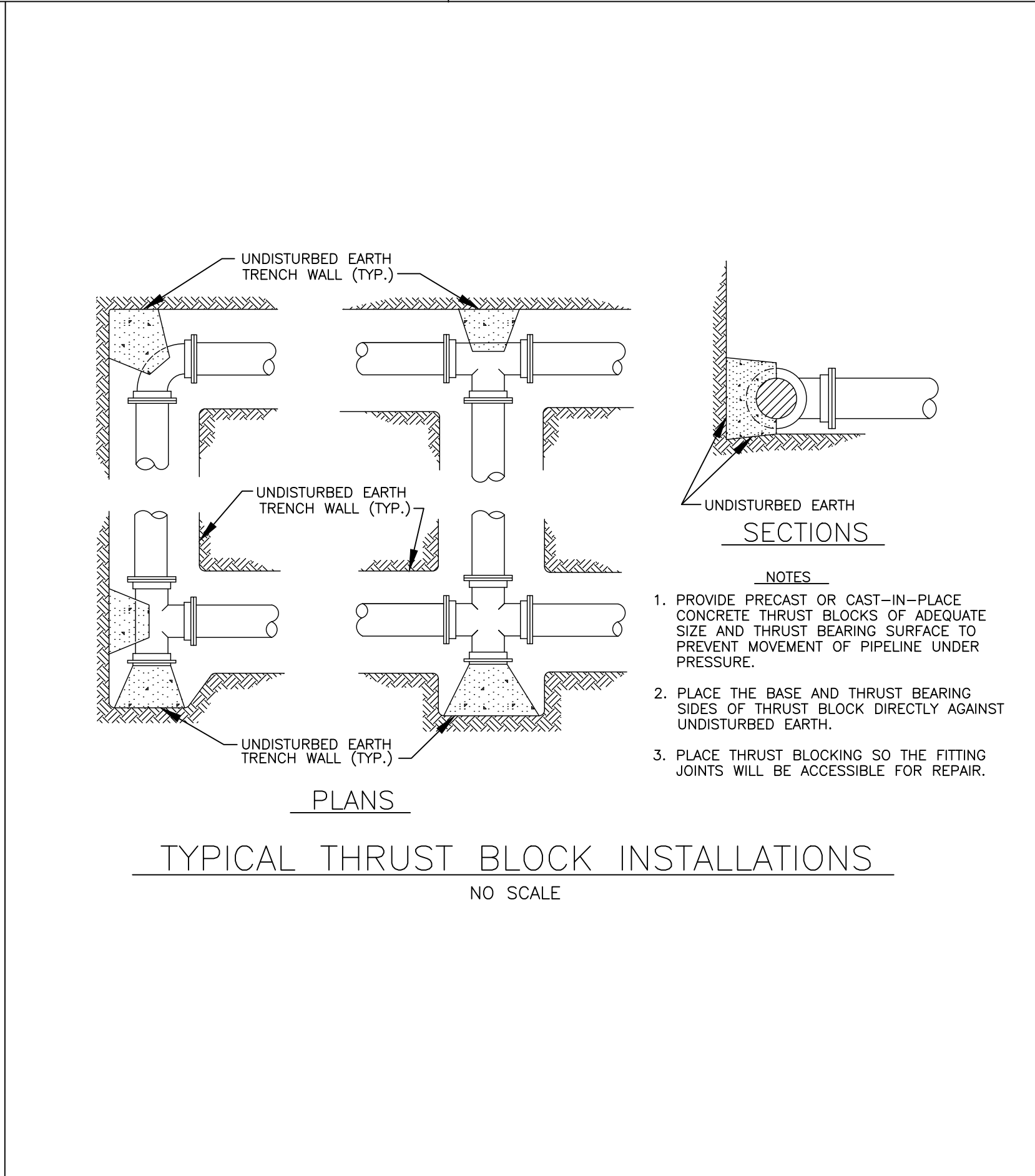
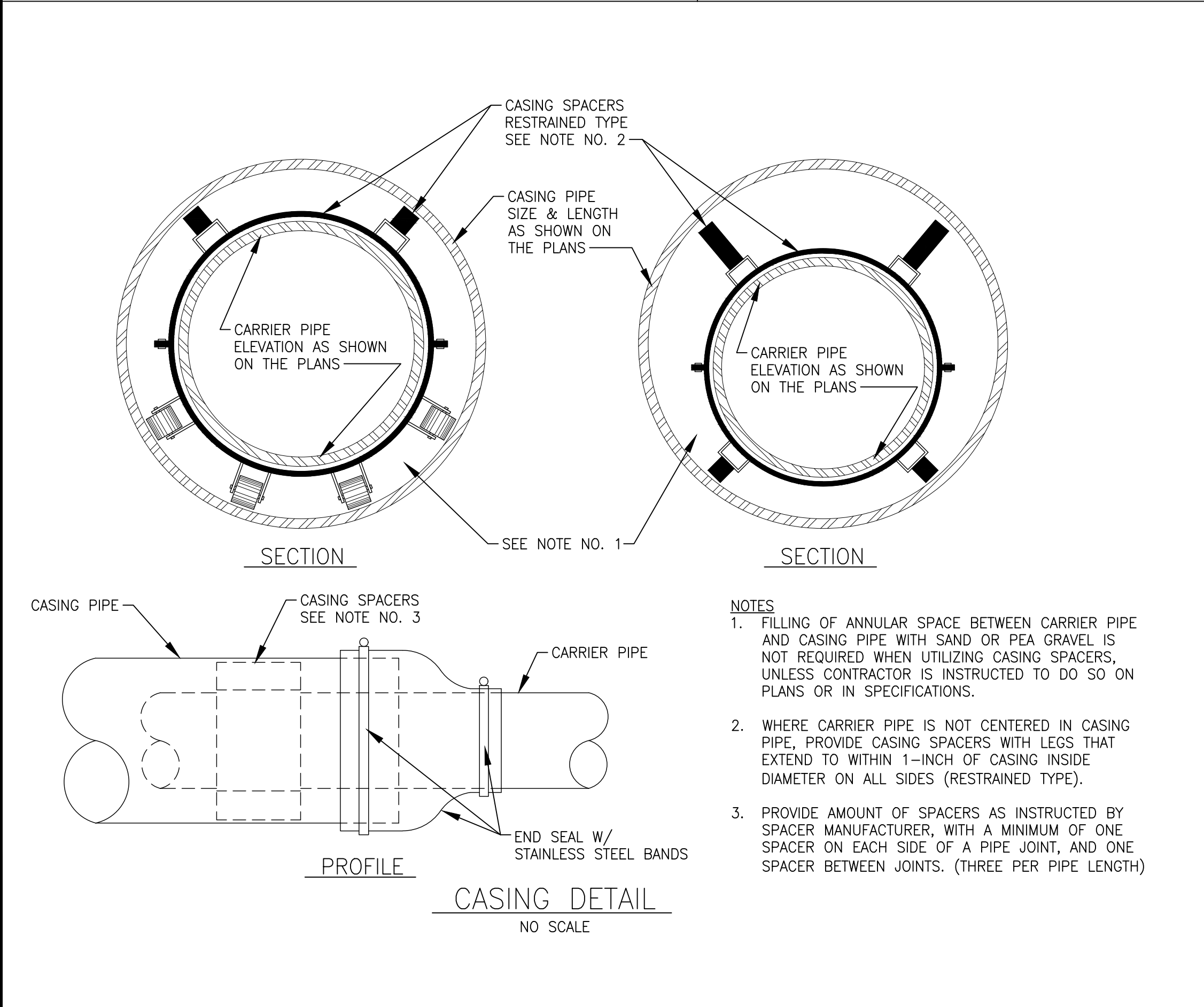
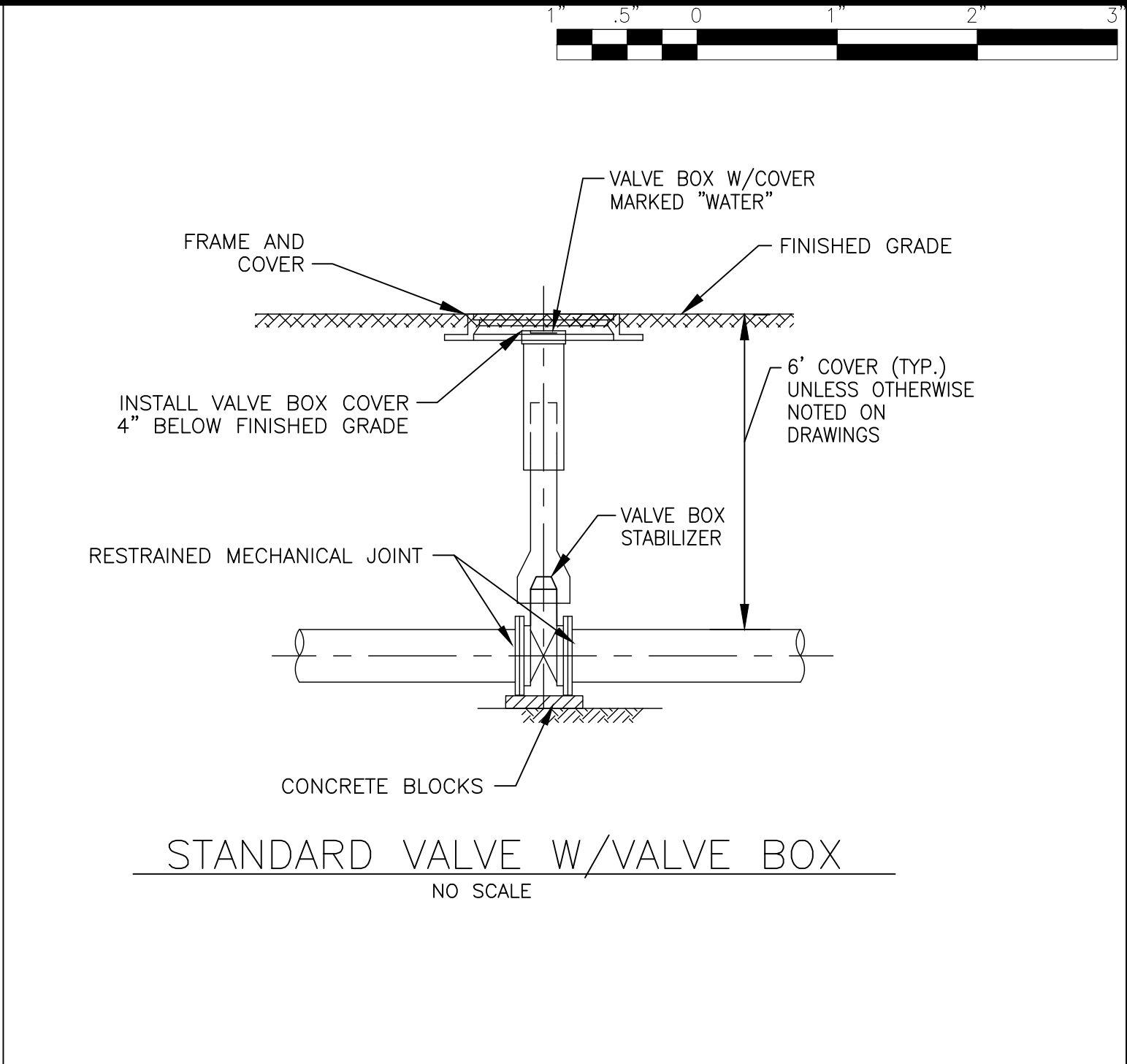
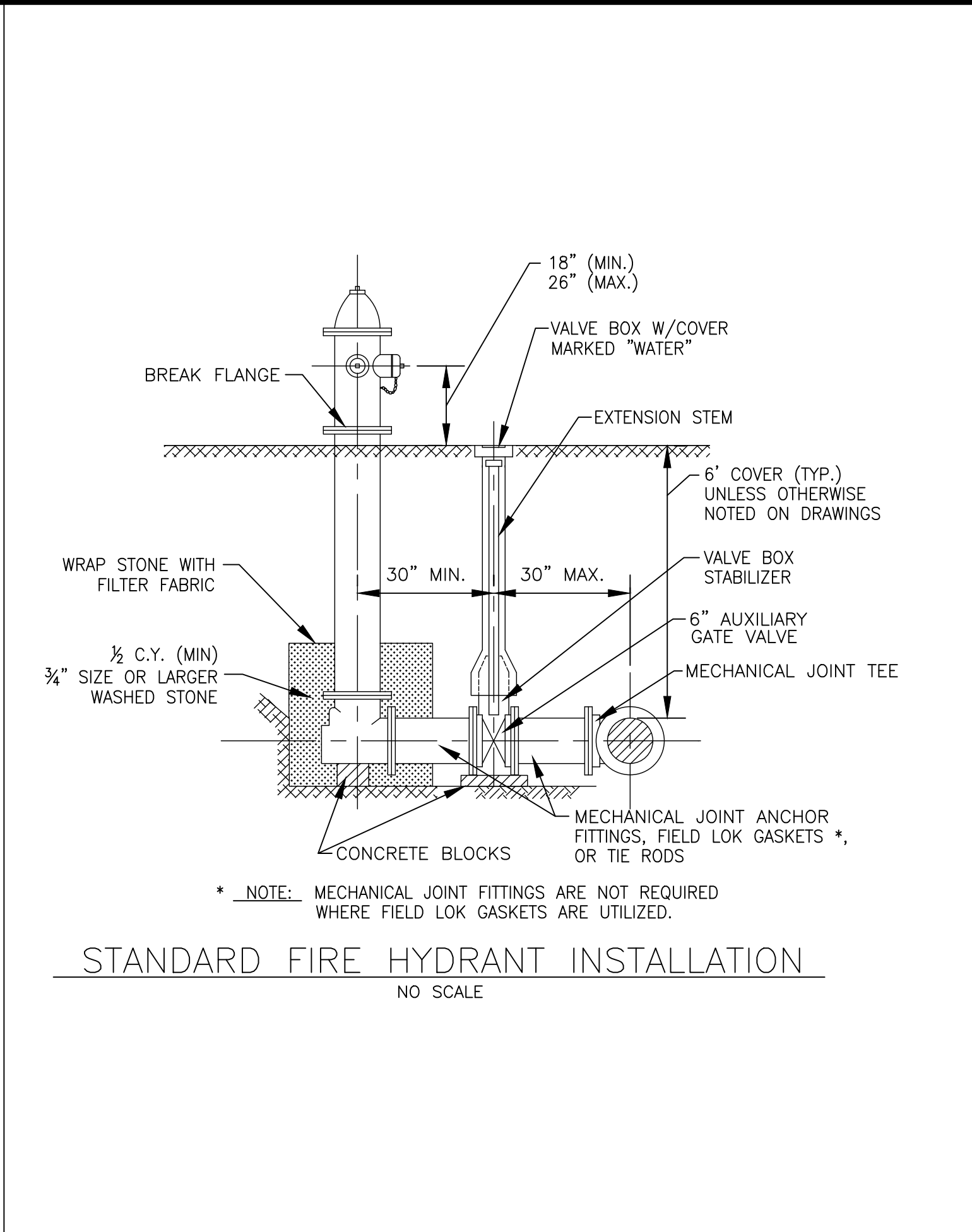
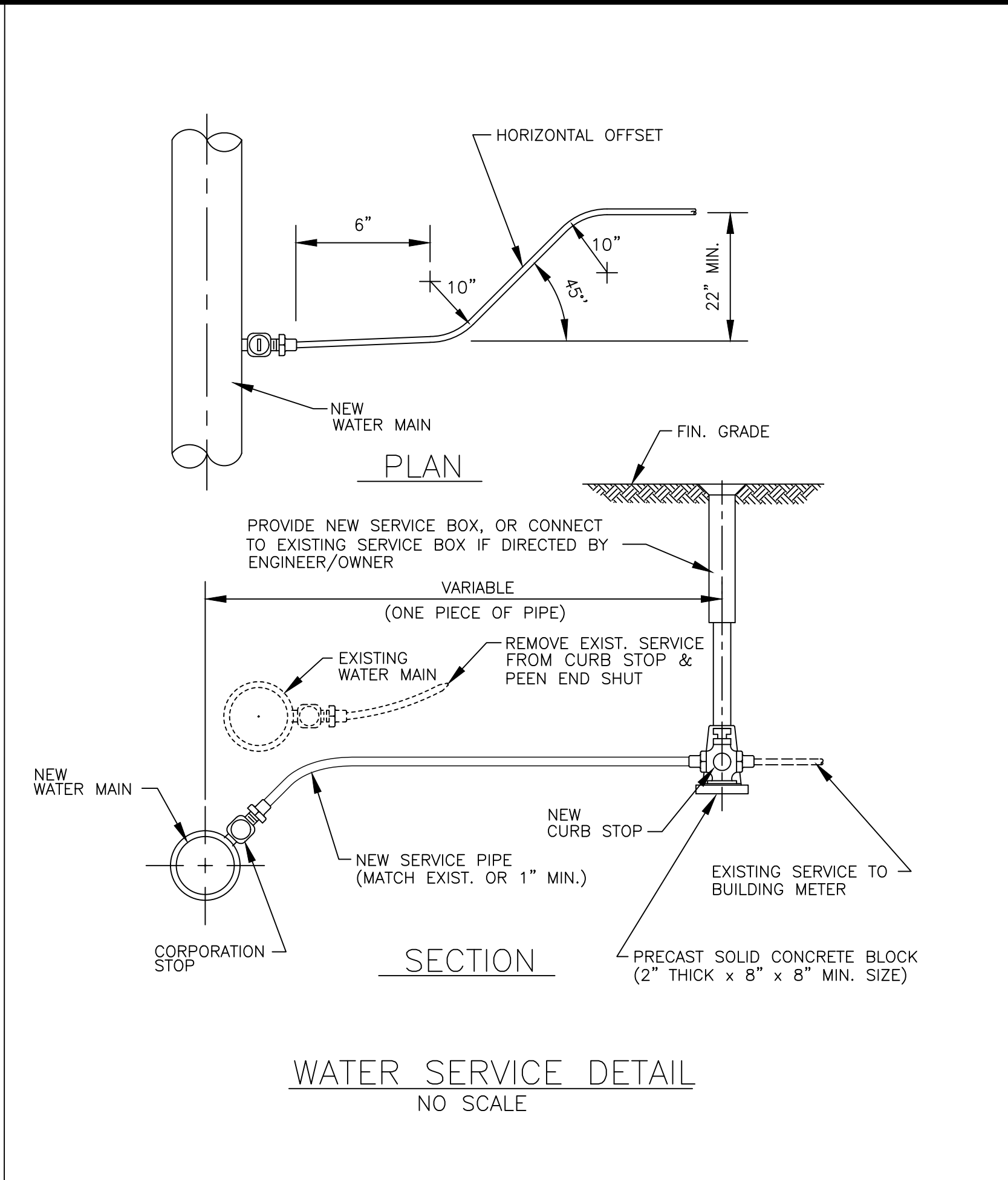
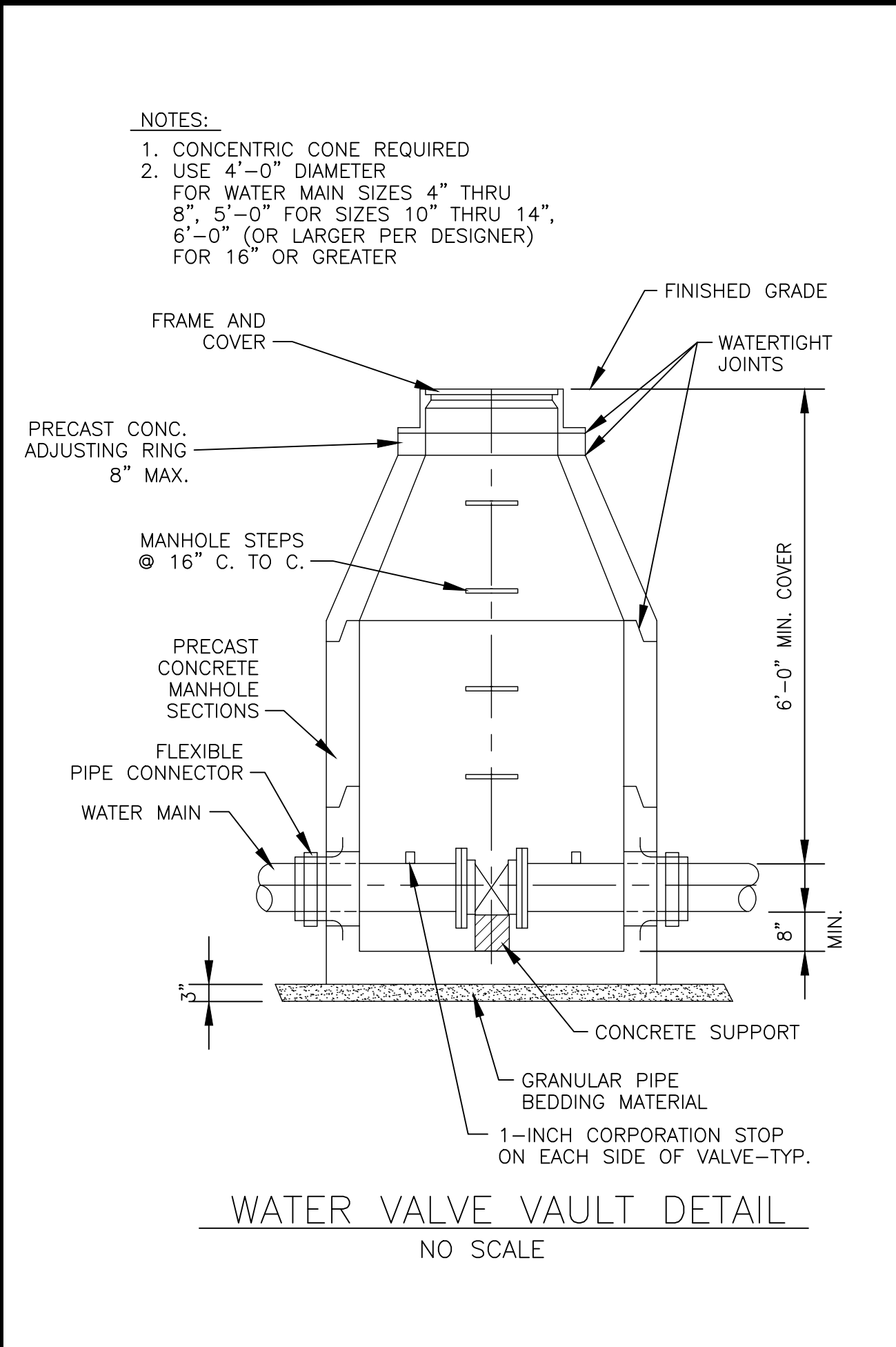
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FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.

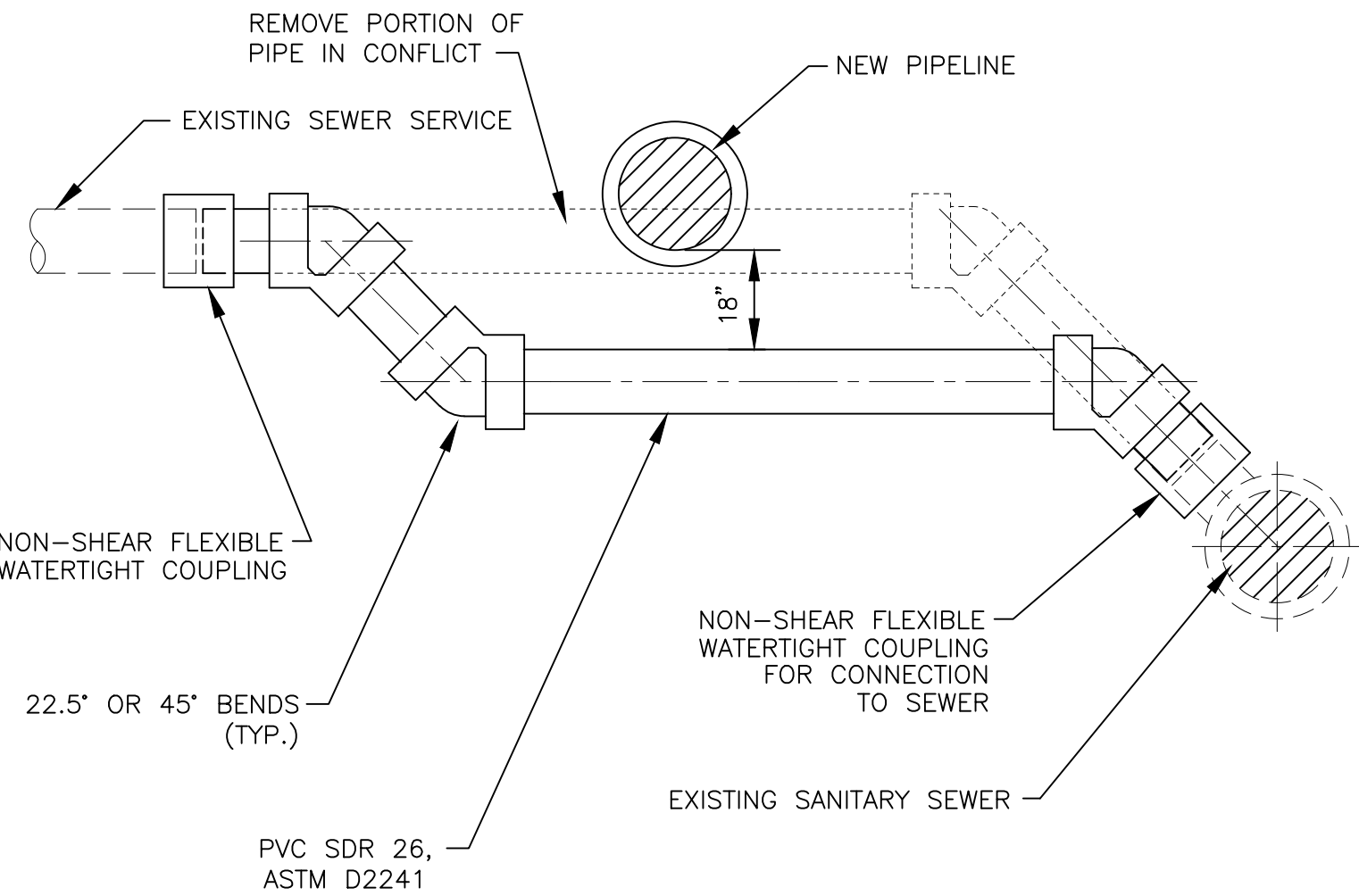
FINAL DESIGN
FOR BIDDING

CONSTRUCTION DETAILS				DRAWN — ABN	SHEETS	NO.
				CHECKED — BJA		
SCALE: AS NOTED				DATE — 2/28/25		
PROJECT NO:		2401308			37	35

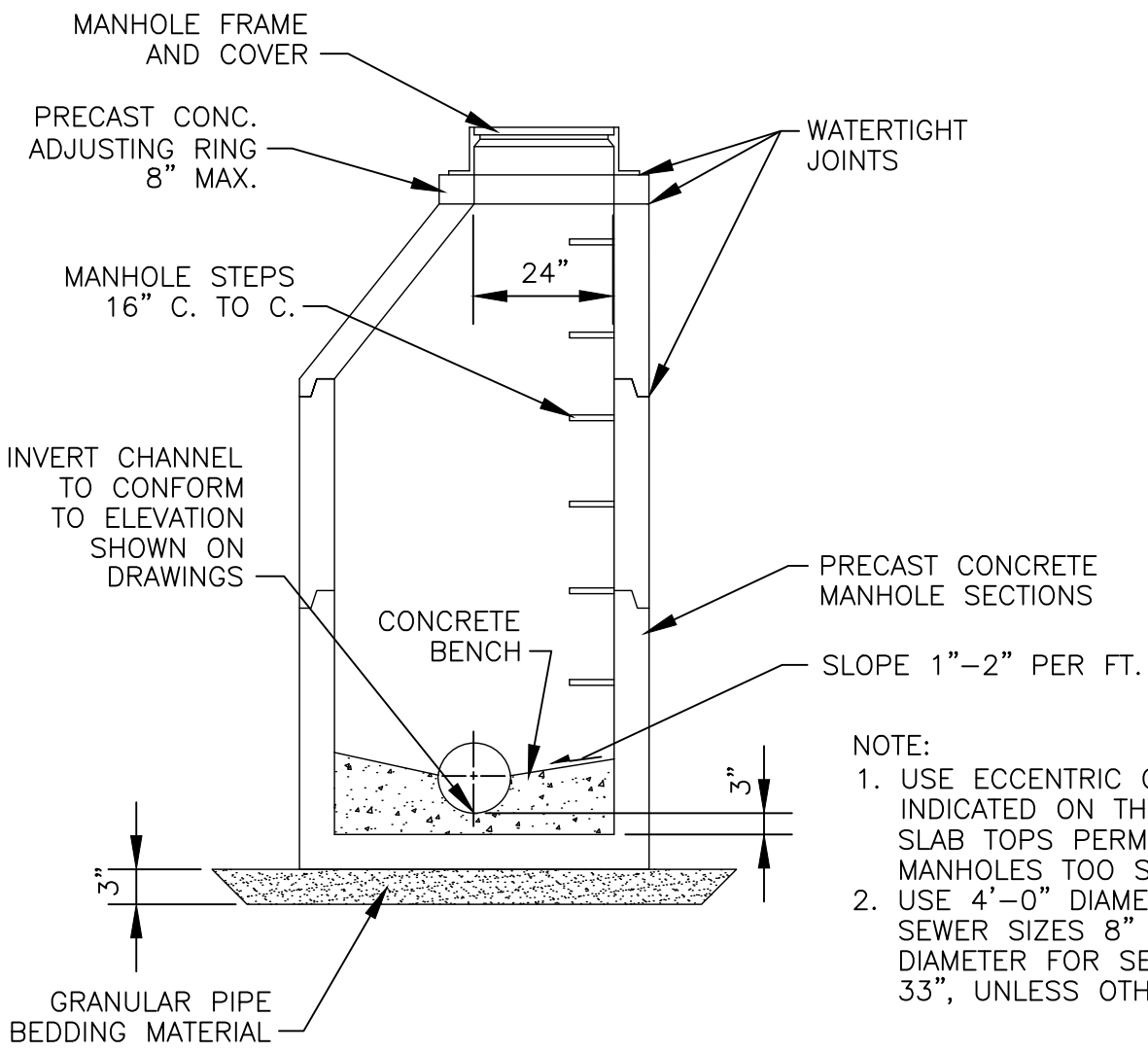
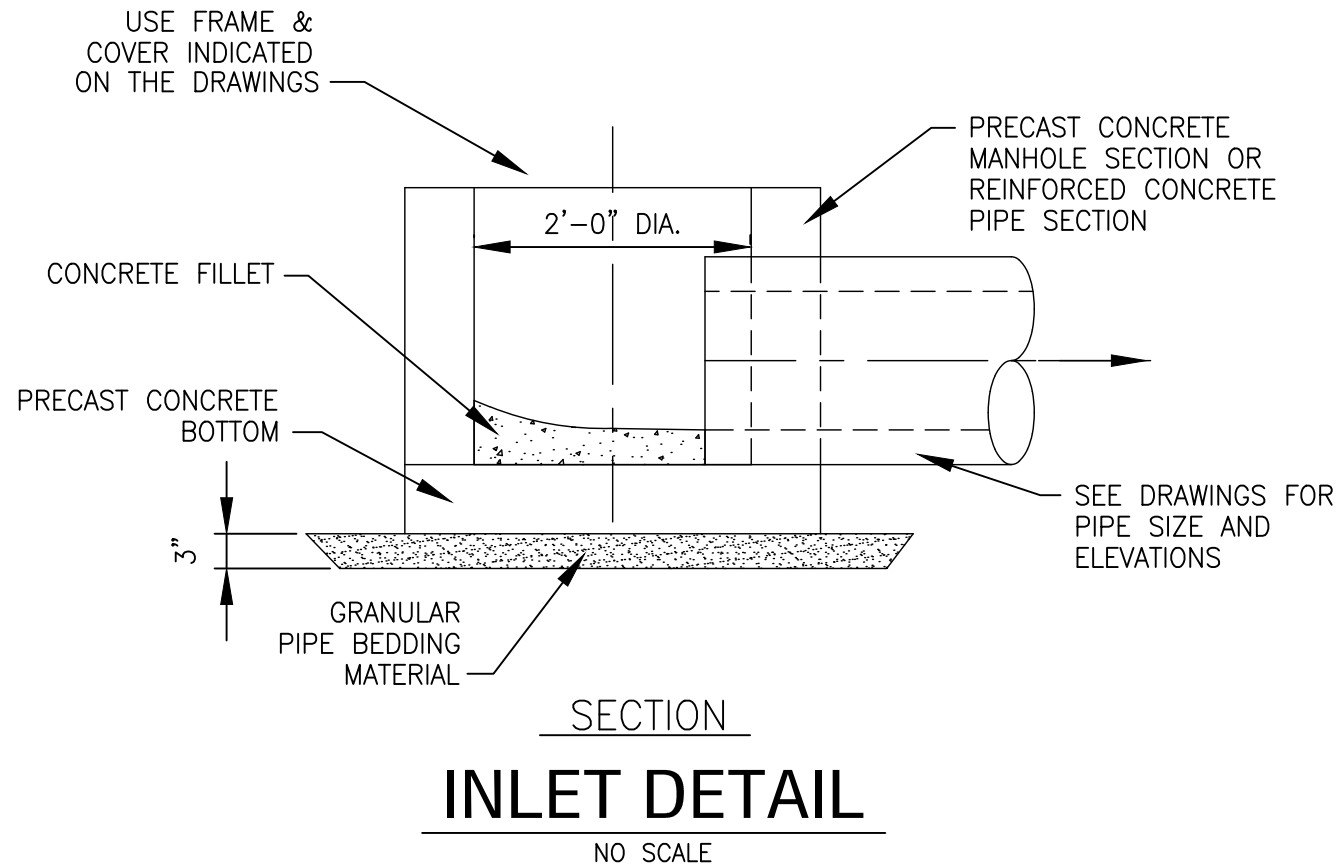
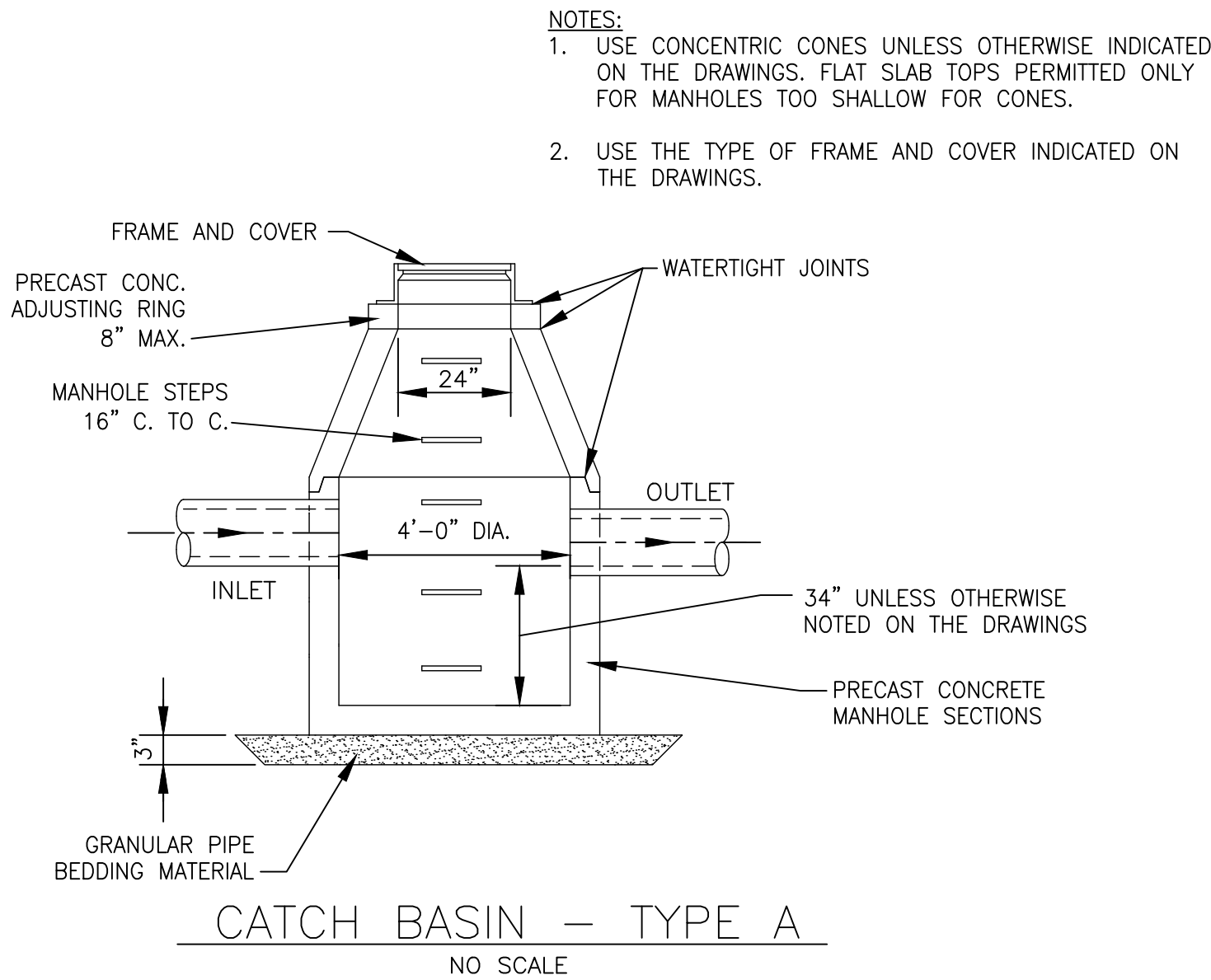
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Plotted: 2/28/2025 11:54 AM By: ANACINO
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BAXTER & WOODMAN Consulting Engineers	CONSULTANTS	REVISED -	VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS 2025 WATER MAIN REPLACEMENT PROGRAM EUCLID AVENUE WATER MAIN IMPROVEMENTS	SCALE: AS NOTED	PROJECT NO: 2401308	CONSTRUCTION DETAILS	DESIGNED - RMM/WJW	TOTAL SHEETS	SHEET NO.
		REVISED -					DRAWN - ABN	37	36
		REVISED -					CHECKED - BJA		
		REVISED -					DATE - 2/28/25		

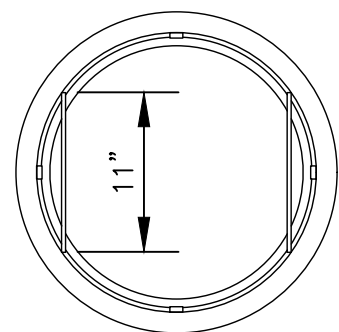


**SANITARY SEWER SERVICE
RELOCATION**
NO SCALE

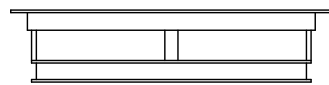


NOTE:

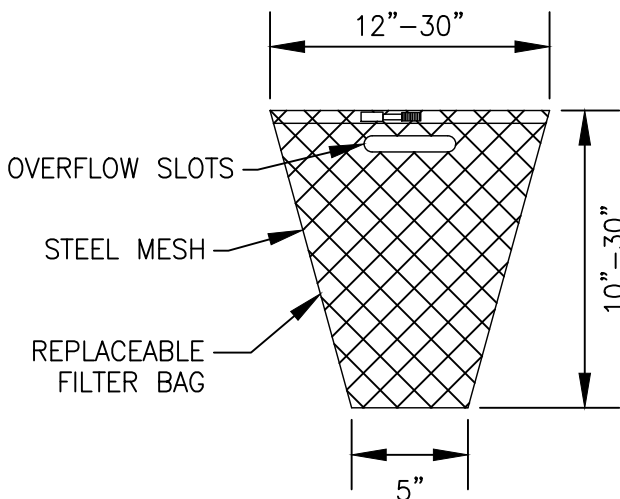
1. USE ECCENTRIC CONES UNLESS OTHERWISE INDICATED ON THE DRAWINGS. FLAT SLAB TOPS PERMITTED ONLY FOR MANHOLES TOO SHALLOW FOR CONES.
2. USE 4'-0" DIAMETER FOR SEWER SIZES 8" THRU 21", 5'-0" DIAMETER FOR SEWER SIZES 24" THRU 33", UNLESS OTHERWISE NOTED.



PLAN



SECTION



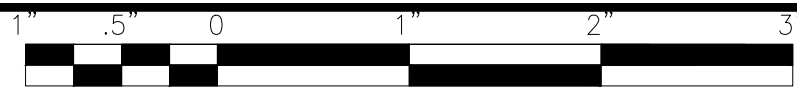
GENERAL NOTES:

FRAME: TOP RING CONSTRUCTED FROM 1 1/4" x 1 1/4" x 1/8" ANGLE.
BASE RING CONSTRUCTED OF 1 1/2" x 1/2" x 1/8" CHANNEL.
HANDLES & SUSPENSION BRACKETS CONSTRUCTED FROM 1/4" x 1 1/4" FLAT. ALL STEEL CONFORMING TO ASTM-A36.

REPLACEABLE BAG: CONSTRUCTED FROM 4 OZ./SQ. YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. CONNECTED TO BASE RING WITH STAINLESS STEEL STRAP & LOCK.

STEEL MESH: REMOVABLE STAINLESS STEEL MESH STRAINER BASKET. 1/4" DIA. HOLE SIZE, 58% OPEN AREA.

INLET PROTECTION FILTER
NO SCALE



P:\ARLHT\2401308-WATER MAIN IMPROVEMENT PROJECT M\CAD\01_CIVIL 3D\01_SHTS-PLANS\2401308-EUCLID_WM-COVER_GEN_DETS.DWG MISC DETS
Plotted: 2/28/2025 11:54 AM By: ANACINO
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CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

**VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS
2025 WATER MAIN REPLACEMENT PROGRAM
EUCLID AVENUE WATER MAIN IMPROVEMENTS**

CONSTRUCTION DETAILS

SCALE: AS NOTED PROJECT NO: 2401308

**FINAL DESIGN
FOR BIDDING**

DESIGNED - RMM/WJW	TOTAL SHEETS	SHEET NO.
DRAWN - ABN		
CHECKED - BJA	37	37
DATE - 2/28/25		

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bid Bond

CONTRACTOR:

(Name, legal status and address)

Swallow Construction Corporation
490 Topsoil Drive
West Chicago, IL 60185

SURETY:

(Name, legal status and principal place of business)

Atlantic Specialty Insurance Company
605 Highway 169 North, Suite 800
Plymouth, MN 55441

Mailing Address for Notices

1411 Opus Place, Suite 450
Downers Grove, IL 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 S. Arlington Heights Rd.
Arlington Heights, IL 60005

BOND AMOUNT: \$ 10% Ten Percent of Amount Bid

PROJECT:

(Name, location or address, and Project number, if any)

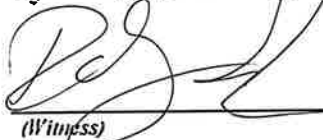
Euclid Avenue Water Main Improvements

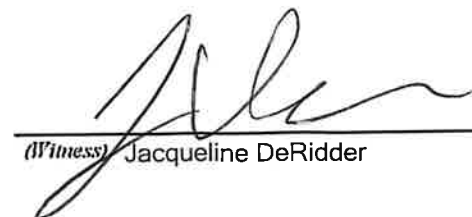
The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the 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.

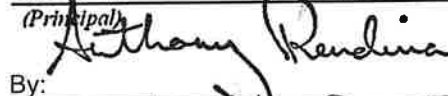
Signed and sealed this 1st day of April, 2025


(Witness)


(Witness) Jacqueline DeRidder

Swallow Construction Corporation

(Principal)

 (Seal)

By:

(Title) Anthony Rendina President

Atlantic Specialty Insurance Company

(Surety)

(Seal)

By:

(Title) James Moore

Attorney-in-Fact



State of Illinois

County of DuPage

SURETY ACKNOWLEDGEMENT (ATTORNEY-IN-FACT)

I, Sherry L Bacskai Notary Public of DuPage County, in the State of Illinois,

do hereby certify that James Moore Attorney-in-Fact, of the Atlantic Specialty Insurance

Company 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

Atlantic Specialty Insurance Company 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 1st day of April, 2025.




Notary Public Sherry L Bacskai
My Commission expires: September 8, 2027



Power of Attorney

Surety Bond No: Bid Bond

Principal: Swallow Construction Corporation

Obligee: Village of Arlington Heights

KNOW ALL MEN BY THESE PRESENTS, that ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation with its principal office in Plymouth, Minnesota, does hereby constitute and appoint: James Moore, each individually if there be more than one named, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof; provided that no bond or undertaking executed under this authority shall exceed in amount the sum of: sixty million dollars (\$60,000,000) and the execution of such bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof in pursuance of these presents, shall be as binding upon said Company as if they had been fully signed by an authorized officer of the Company and sealed with the Company seal. This Power of Attorney is made and executed by authority of the following resolutions adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the President, any Senior Vice President or Vice-President (each an "Authorized Officer") may execute for and in behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and affix the seal of the Company thereto; and that the Authorized Officer may appoint and authorize an Attorney-in-Fact to execute on behalf of the Company any and all such instruments and to affix the Company seal thereto; and that the Authorized Officer may at any time remove any such Attorney-in-Fact and revoke all power and authority given to any such Attorney-in-Fact.

Resolved: That the Attorney-in-Fact may be given full power and authority to execute for and in the name and on behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed and sealed by an Authorized Officer and, further, the Attorney-in-Fact is hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under the authority of the following Resolution adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the signature of an Authorized Officer, the signature of the Secretary or the Assistant Secretary, and the Company seal may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing an Attorney-in-Fact for purposes only of executing and sealing any bond, undertaking, recognition or other written obligation in the nature thereof, and any such signature and seal where so used, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS WHEREOF, ATLANTIC SPECIALTY INSURANCE COMPANY has caused these presents to be signed by an Authorized Officer and the seal of the Company to be affixed this fifth day of March, 2020.

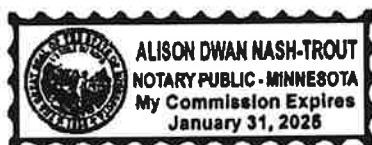
STATE OF MINNESOTA
HENNEPIN COUNTY



By

Paul J. Brehm
Paul J. Brehm, Senior Vice President

On this fifth day of March, 2020, before me personally came Paul J. Brehm, Senior Vice President of ATLANTIC SPECIALTY INSURANCE COMPANY, to me personally known to be the individual and officer described in and who executed the preceding instrument, and he acknowledged the execution of the same, and being by me duly sworn, that he is the said officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the seal of said Company and that the said seal and the signature as such officer was duly affixed and subscribed to the said instrument by the authority and at the direction of the Company.



Alison Nash-Trout

Notary Public

I, the undersigned, Assistant Secretary of ATLANTIC SPECIALTY INSURANCE COMPANY, a New York Corporation, do hereby certify that the foregoing power of attorney is in full force and has not been revoked, and the resolutions set forth above are now in force.

Signed and sealed. Dated 1st day of April, 2025



Christopher V. Jerry

Christopher V. Jerry, Secretary

**VILLAGE OF ARLINGTON HEIGHTS
AFFIDAVIT OF COMPLIANCE**

Applicant Swallow Construction Corporation

Name

490 Topsoil Drive, West Chicago, IL 60185

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, Anthony Rendina, being first duly sworn on oath, deposes and states that he or she is President (sole owner, partner, joint ventured, President, Secretary, etc..) of Swallow Construction Corporation 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 Swallow Construction Corporation provides a
(Name of Company)
drug free workplace pursuant to Illinois Statutes, 30 ILCS 580/1, et seq and provides compliance with
necessary requirements.

Section IV

Tax Payment

The undersigned further states that Swallow Construction Corporation is not
(Name of Company)
delinquent in payment of any taxes to the Illinois Department of Revenue, in accordance with Illinois
Compiled Statutes, 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: Anthony Rendina
(Name) Anthony Rendina
(Title) President

Subscribed and sworn to before me this 1st day of April, 2025,
AD.

By: Sarah A. Schatz
(Notary Public)

-Seal-



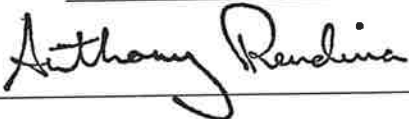
AFFIDAVIT OF COMPLIANCE

**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: Swallow Construction Corporation

By: 



VENDOR QUESTIONNAIRE

Company Name: Swallow Construction Corporation

Address: 490 Topsoil Drive

City: West Chicago State: IL Zip: 60185

Phone: (630) 512-9900 E-Mail: anthony@swallowconstruction.net

Commodity: Sewer and Water Construction 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: _____

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: Anthony Rendina Title: President

Name: Anthony Rendina Date: April 1, 2025



PROPOSED PRODUCTS FORM

1. FAILURE TO SUBMIT THIS FORM WITH THE BID FORM, OR REVISING THE LISTED MANUFACTURERS IN THIS FORM, SHALL CAUSE REJECTION OF THE BID AS NON-RESPONSIVE.
2. Pursuant to bidding requirements for the Work titled:

Village of Arlington Heights Euclid Avenue Water Main Improvements

The Village has pre-cleared contractors A through C below, but Bidder's may propose an alternate on the Alternate Products Form. Bidder's bid price proposed on the Bid Form is based upon one of the following contractors, as shown on the Drawings and described in the Specifications for Lead Water Service Line Replacements. Bidder shall circle the contractor(s) included in the Bid, regardless on if an Alternate has been provided.

<u>SPECIFICATION SECTION</u>	<u>DESCRIPTION OF ITEM</u>	<u>CONTRACTOR (CIRCLE ONE)</u>
<u>33 11 43.13</u>	<u>Lead Water Service Pipe Replacement - Curb Stop to Water Meter</u>	<u>(A) Capps Plumbing</u> <u>(B) Central Plumbing Co.</u> <u>(C) Green Tech Plumbing</u>

END OF PROPOSED PRODUCTS FORM



ALTERNATE PRODUCTS FORM

1. FAILURE TO SUBMIT THIS FORM WITH THE BID FORM, WHETHER OR NOT ALTERNATES ARE SUBMITTED, SHALL CAUSE REJECTION OF THE BID AS NON-RESPONSIVE. COMPLETE EITHER SECTION 2 OR SECTION 3.
2. Pursuant to bidding requirements for the Work titled:

Village of Arlington Heights Euclid Avenue Water Main Improvements

Bidder submits the following prices for deduction from or addition to the lump sum price in the Bid Form for the following named substitute or "or equal" items, and expressly agrees to the following provisions: (It is not necessary to submit alternates).

- A. That the determination of the lowest Bid will be based on the bid price in the Bid Form without consideration of the alternate prices.
- B. That Owner may select any contractor as listed for Lead Water Service Line Replacements, as shown on the Drawings and described in the Specifications, and Bidder agrees to provide such contractors as selected, and for an adjusted Contract Price equal to the bid price in the Bid Form adjusted by the prices for the alternate contractors selected by Owner.
- C. That the price for each contractor for Lead Water Service Line Replacements includes the preparation and submission to Owner of detailed drawings showing all modifications necessary (if any) to accommodate such alternate, all as defined and described in the Contract and the Specifications.
- D. That each alternate price includes the cost to furnish and install Lead Water Service Line Replacements complete in place and the cost of engineering redesign (if any).
- E. That Owner will not evaluate the proposed alternate contractor(s) for Lead Water Service Line Replacements until after Effective Date of the Agreement.
- F. That Owner will evaluate the proposed alternate items as Substitute Items in accordance with the Contract.



ALTERNATE PRODUCTS FORM *Continued*

SPECIFICATION SECTION	DESCRIPTION OF ITEM	PROPOSED CONTRACTOR	ALTERNATE PRICES (CIRCLE ONE)	
			Add or (Deduct)	\$
33 11 43.13	Lead Water Service Pipe Replacement – Curb Stop to Water Meter			

(Signature)

(Date)

OR

3. BIDDER acknowledges alternates are not being submitted as evidenced by the following signature and date:

Anthony Rendina
(Signature)

4/1/2025
(Date)

END OF ALTERNATE PRODUCTS FORM

COMPLETE TABLE AS INDICATED BID FORMS

SCHEDULE OF UNIT PRICES					
NO.	PAY ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
BASE BID - EUCLID AVENUE WATER MAIN IMPROVEMENTS					
1	MOBILIZATION	1	LSUM	\$ 350,000.00	\$ 350,000.00
2	PRECONSTRUCTION VIDEO RECORDING	1	LSUM	\$ 5,500.00	\$ 5,500.00
3	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1	LSUM	\$ 55,000.00	\$ 55,000.00
4	GRANULAR BACKFILL	6,000	CUYD	\$ 48.00	\$ 288,000.00
5	TRENCH BACKFILL (SPECIAL)	1,600	CUYD	\$ 44.00	\$ 70,400.00
6	WATER MAIN (OPEN CUT), 4-INCH	37	FOOT	\$ 45.00	\$ 1,665.00
7	WATER MAIN (OPEN CUT), 6-INCH	256	FOOT	\$ 90.00	\$ 23,040.00
8	WATER MAIN (OPEN CUT), 8-INCH	2,358	FOOT	\$ 125.00	\$ 294,750.00
9	WATER MAIN (OPEN CUT), 10-INCH	2,981	FOOT	\$ 145.00	\$ 432,245.00
10	WATER MAIN (OPEN CUT), 12-IN	122	FOOT	\$ 200.00	\$ 24,400.00
11	WATER MAIN (DIRECTIONALLY DRILLED), 8-INCH	126	FOOT	\$ 200.00	\$ 25,200.00
12	WATER MAIN (DIRECTIONALLY DRILLED), 10-INCH	7,407	FOOT	\$ 220.00	\$ 1,629,540.00
13	WATER MAIN (DIRECTIONALLY DRILLED), 4-INCH MIN. I.D. HDPE	48	FOOT	\$ 190.00	\$ 9,120.00
14	WATER MAIN (DIRECTIONALLY DRILLED), 6-INCH MIN. I.D. HDPE	47	FOOT	\$ 220.00	\$ 10,340.00
15	WATER MAIN (DIRECTIONALLY DRILLED), 8-INCH MIN. I.D. HDPE	62	FOOT	\$ 250.00	\$ 15,500.00
16	WATER MAIN (DIRECTIONALLY DRILLED) 12-INCH MIN. I.D. HDPE	88	FOOT	\$ 290.00	\$ 25,520.00
17	CASING PIPE (OPEN CUT), 16-INCH	175	FOOT	\$ 190.00	\$ 33,250.00
18	CASING PIPE (OPEN CUT), 18-INCH	184	FOOT	\$ 210.00	\$ 38,640.00
19	MISCELLANEOUS FITTINGS	10,500	POUND	\$ 1.00	\$ 10,500.00
20	WATER SERVICE CONNECTION, SHORT SIDE, 1-INCH	58	EACH	\$ 4,500.00	\$ 261,000.00
21	WATER SERVICE CONNECTION, LONG SIDE, 1-INCH	70	EACH	\$ 5,500.00	\$ 385,000.00
22	WATER SERVICE CONNECTION, SHORT SIDE, 1.5-INCH	6	EACH	\$ 5,000.00	\$ 30,000.00
23	WATER SERVICE CONNECTION, LONG SIDE, 1.5-INCH	4	EACH	\$ 6,000.00	\$ 24,000.00
24	PRIVATE PROPERTY WATER SERVICE LINE COORDINATION	97	EACH	\$ 500.00	\$ 48,500.00
25	CUSTOMER WATER SERVICE REPLACEMENT OPTION - FROM CURB STOP TO WATER METER	81	EACH	\$ 6,200.00	\$ 502,200.00
26	WATER SERVICE CASING PIPE	980	FOOT	\$ 7.50	\$ 7,350.00
27	CONNECTION TO EXISTING WATER MAIN (NON- PRESSURE), 4-INCH	3	EACH	\$ 7,500.00	\$ 22,500.00

SCHEDULE OF UNIT PRICES

NÖ.	PAY ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
28	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 6-INCH	30	EACH	\$ 10,500.00	\$ 315,000.00
29	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 8-INCH	10	EACH	\$ 10,500.00	\$ 105,000.00
30	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 10-INCH	6	EACH	\$ 10,500.00	\$ 63,000.00
31	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 12-INCH	2	EACH	\$ 10,500.00	\$ 21,000.00
32	GATE VALVE, 4-INCH	2	EACH	\$ 6,500.00	\$ 13,000.00
33	GATE VALVE, 6-INCH	4	EACH	\$ 7,500.00	\$ 30,000.00
34	GATE VALVE, 8-INCH	36	EACH	\$ 10,000.00	\$ 360,000.00
35	GATE VALVE, 10-INCH	29	EACH	\$ 11,000.00	\$ 319,000.00
36	GATE VALVE, 12-INCH	2	EACH	\$ 12,000.00	\$ 24,000.00
37	VALVE BOX	6	EACH	\$ 475.00	\$ 2,850.00
38	VALVE VAULT, 4-FT DIA.	37	EACH	\$ 500.00	\$ 18,500.00
39	VALVE VAULT, 5-FT DIA.	28	EACH	\$ 750.00	\$ 21,000.00
40	VALVE VAULT (ADDITIONAL DEPTH), 4-FT DIA.	7	VFT	\$ 300.00	\$ 2,100.00
41	VALVE VAULT (ADDITIONAL DEPTH), 5-FT DIA.	5	VFT	\$ 385.00	\$ 1,925.00
42	FIRE HYDRANT	31	EACH	\$ 12,500.00	\$ 387,500.00
43	FIRE HYDRANT BARREL EXTENSION	10	VFT	\$ 1,000.00	\$ 10,000.00
44	LINE STOP, 4-INCH	4	EACH	\$ 8,100.00	\$ 32,400.00
45	LINE STOP, 6-INCH	5	EACH	\$ 8,550.00	\$ 42,750.00
46	LINE STOP, 8-INCH	2	EACH	\$ 8,800.00	\$ 17,600.00
47	LINE STOP, 10-INCH	1	EACH	\$ 10,250.00	\$ 10,250.00
48	LINE STOP, 12-INCH	2	EACH	\$ 10,500.00	\$ 21,000.00
49	ABANDONMENT OF EXISTING WATER MAINS AND APPURTENANCES	1	LSUM	\$ 75,000.00	\$ 75,000.00
50	RETIRE EXISTING FIRE HYDRANT	32	EACH	\$ 300.00	\$ 9,600.00
51	FILLING OF EXISTING PIPE FOR ABANDONMENT	1,965	FOOT	\$ 15.00	\$ 29,475.00
52	SANITARY SEWER REMOVAL AND REPLACEMENT, 8-INCH	37	FOOT	\$ 345.00	\$ 12,765.00
53	SANITARY SEWER REMOVAL AND REPLACEMENT, 10-INCH	85	FOOT	\$ 250.00	\$ 21,250.00
54	SANITARY SEWER REMOVAL AND REPLACEMENT, 12-INCH	139	FOOT	\$ 210.00	\$ 29,190.00
55	STORM SEWER REMOVAL AND REPLACEMENT, 10-INCH	42	FOOT	\$ 145.00	\$ 6,090.00
56	STORM SEWER REMOVAL AND REPLACEMENT, 12-INCH	547	FOOT	\$ 125.00	\$ 68,375.00
57	STORM SEWER (OPEN CUT), 24-INCH RCP, 12 FT TO 16 FT DEEP	78	FOOT	\$ 225.00	\$ 17,550.00
58	STORM SEWER MANHOLE, TYPE A, 5' DIA., 12 FT TO 16 FT DEEP	2	EACH	\$ 9,000.00	\$ 18,000.00

SCHEDULE OF UNIT PRICES

NO.	PAY ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
59	REMOVE AND REPLACE CATCH BASIN, TYPE A, 4' DIA.	3	EACH	\$ 4,500.00	\$ 13,500.00
60	REMOVE AND REPLACE INLET, TYPE A, 2' DIA.	2	EACH	\$ 2,500.00	\$ 5,000.00
61	INLET PROTECTION FILTER	115	EACH	\$ 250.00	\$ 28,750.00
62	RESTORATION OF LAWNS AND PARKWAYS	3,800	SQYD	\$ 18.00	\$ 68,400.00
63	MULCH LANDSCAPE RESTORATION	80	SQYD	\$ 7.00	\$ 560.00
64	TEMPORARY HOT-MIX ASPHALT PAVEMENT	4,100	SQYD	\$ 19.00	\$ 77,900.00
65	CLASS C PATCH (SPECIAL), 10-INCH PCC 2-INCH HMA SURFACE	300	SQYD	\$ 203.25	\$ 60,975.00
66	CLASS D PATCH, 12-INCH BINDER	3,800	SQYD	\$ 107.75	\$ 409,450.00
67	CLASS D PATCH (SPECIAL), 10-INCH BINDER 2-INCH SURFACE	1,150	SQYD	\$ 115.25	\$ 132,537.50
68	HMA DRIVEWAY REMOVAL AND REPLACEMENT, 3-INCH	200	SQYD	\$ 30.00	\$ 6,000.00
69	PCC DRIVEWAY REMOVAL AND REPLACEMENT, 6-INCH	150	SQYD	\$ 150.00	\$ 22,500.00
70	PCC SIDEWALK REMOVAL AND REPLACEMENT	11,100	SQFT	\$ 20.00	\$ 222,000.00
71	DETECTABLE WARNINGS	310	SQFT	\$ 38.00	\$ 11,780.00
72	PCC CURB AND GUTTER REMOVAL AND REPLACEMENT	2,100	FOOT	\$ 55.00	\$ 115,500.00
73	PAVEMENT MARKING - LINE, 4-INCH (THERMOPLASTIC)	750	FOOT	\$ 2.50	\$ 1,875.00
74	PAVEMENT MARKING - LINE, 6-INCH (THERMOPLASTIC)	110	FOOT	\$ 3.00	\$ 330.00
75	PAVEMENT MARKING - LINE, 12-INCH (THERMOPLASTIC)	720	FOOT	\$ 5.00	\$ 3,600.00
76	PAVEMENT MARKING - LINE, 24-INCH (THERMOPLASTIC)	310	FOOT	\$ 10.00	\$ 3,100.00
77	PAVEMENT MARKING - LETTERS AND SYMBOLS	90	SQFT	\$ 6.00	\$ 540.00
78	RAISED REFLECTIVE PAVEMENT MARKER	5	EACH	\$ 1,500.00	\$ 7,500.00
79	TEMPORARY TRAFFIC SIGNAL TIMING	5	EACH	\$ 3,000.00	\$ 15,000.00
80	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	5	EACH	\$ 15,200.00	\$ 76,000.00
81	TEMPORARY INFORMATION SIGNING	134	SQFT	\$ 20.00	\$ 2,680.00
82	DETECTOR LOOP REPLACEMENT, TYPE 1	350	FOOT	\$ 105.00	\$ 36,750.00
83	REMOVAL AND REPLACEMENT OF SIGNS	18	EACH	\$ 200.00	\$ 3,600.00
84	FENCE TO BE REMOVED AND RE-ERECTED	50	FOOT	\$ 110.00	\$ 5,500.00
85	SANITARY SERVICE LINE RELOCATION	49	EACH	\$ 1,600.00	\$ 78,400.00
86	TREE ROOT PRUNING	142	EACH	\$ 200.00	\$ 28,400.00
87	TREE PROTECTION (TEMPORARY FENCING)	17,400	FOOT	\$ 5.00	\$ 87,000.00
88	EXPLORATORY EXCAVATION	20	EACH	\$ 500.00	\$ 10,000.00
89	REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL	145	CUYD	\$ 200.00	\$ 29,000.00

SCHEDULE OF UNIT PRICES

NO.	PAY ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
90	SOIL TESTS FOR CONTAMINANTS	20	EACH	\$ 1,500.00	\$ 30,000.00
91	WATER SERVICE CONNECTION (ADDITIONAL DEPTH)	50	EACH	\$ 650.00	\$ 32,500.00
92	CONTAMINATED WASTE DISPOSAL	217	TON	\$ 125.00	\$ 27,125.00
TOTAL AMOUNT OF BASE BID:				\$	8,382,082.50

Bidder submits the following Schedule of Alternate Unit Prices for the Greenbriar Court Water Main work. Bidder agrees that the contract will be awarded on the basis of the Base Bid without consideration of alternates. The Village reserves the right to include alternates in the Contract in any order or combination.

ALTERNATE #1: GREENBRIAR COURT WATER MAIN

1	MOBILIZATION	1	LSUM	\$ 25,000.00	\$ 25,000.00
2	GRANULAR BACKFILL	600	CUYD	\$ 60.00	\$ 36,000.00
3	WATER MAIN (OPEN CUT), 6-INCH	14	FOOT	\$ 90.00	\$ 1,260.00
4	WATER MAIN (OPEN CUT), 8-INCH	628	FOOT	\$ 100.00	\$ 62,800.00
5	CASING PIPE (OPEN CUT), 16-INCH	27	FOOT	\$ 200.00	\$ 5,400.00
6	MISCELLANEOUS FITTINGS	500	POUND	\$ 1.00	\$ 500.00
7	WATER SERVICE CONNECTION, SHORT SIDE, 1-INCH	11	EACH	\$ 3,900.00	\$ 42,900.00
8	WATER SERVICE CONNECTION TO EXISTING SERVICE LINE, 1-INCH (ALTERNATE 1)	4	EACH	\$ 3,800.00	\$ 15,200.00
9	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 6-INCH	2	EACH	\$ 10,500.00	\$ 21,000.00
10	GATE VALVE, 8-INCH	2	EACH	\$ 7,000.00	\$ 14,000.00
11	VALVE VAULT, 4-FOOT DIAMETER	2	EACH	\$ 500.00	\$ 1,000.00
12	FIRE HYDRANT	2	EACH	\$ 12,250.00	\$ 24,500.00
13	LINE STOP, 6-INCH	1	EACH	\$ 8,500.00	\$ 8,500.00
14	INLET PROTECTION FILTER	5	EACH	\$ 250.00	\$ 1,250.00
15	RESTORATION OF LAWNS AND PARKWAYS	300	SQYD	\$ 18.00	\$ 5,400.00
16	CLASS D PATCH (SPECIAL), 2.5-INCH BINDER 1.5-INCH SURFACE	590	SQYD	\$ 82.75	\$ 48,822.50
17	PCC DRIVEWAY REMOVAL AND REPLACEMENT, 6-INCH	10	SQYD	\$ 146.25	\$ 1,462.50
18	PCC SIDEWALK REMOVAL AND REPLACEMENT	625	SQFT	\$ 16.50	\$ 10,312.50
19	PCC CURB AND GUTTER REMOVAL AND REPLACEMENT	120	FOOT	\$ 55.00	\$ 6,600.00
20	REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL	11	CUYD	\$ 200.00	\$ 2,200.00
21	SOIL TESTS FOR CONTAMINANTS	2	EACH	\$ 1,500.00	\$ 3,000.00
22	CONTAMINATED WASTE DISPOSAL	17	TON	\$ 125.00	\$ 2,125.00
TOTAL AMOUNT OF ALTERNATE #1:				\$	339,232.50
TOTAL AMOUNT OF BASE BID PLUS ALTERNATE #1:				\$	8,721,315.00

Contract Times

Bidder agrees to be Substantially Complete by October 24, 2025 and ready for Final Payment by November 21, 2025

Bidder acknowledges receipt of the following Addenda:

Addendum Number	Date Received
<u>1</u>	<u>3/30</u>
<u>2</u>	<u>3/27</u>
<u>3</u>	<u>3/28</u>

Respectfully submitted, signed and sealed:

Anthony Rendina
Signature

4/1/25
Date

Anthony Rendina
Printed Name

President
Title

Swallow Construction Coys
Company

490 Topsoil Dr
Address

West Chicago
City

IL
State

60185
Zip Code

630 512 9900
Telephone

bob@swallowconstruction.net
Email

(SEAL)



VILLAGE OF ARLINGTON HEIGHTS

INC. 1887

Addendum # 1

Date: March 30, 2025

To: All Bidders on the following Project

Project: **2025 Water Main Replacement Program
Euclid Avenue Water Main Improvements**

Bid Opening: Tuesday April 1, 2025 at 9:00 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.

See attached Addendum No. 1 dated March 19, 2025.

Bidder's Acknowledgment of Receipt:

Company Name: Swallow Construction Corp

Signature: 

Print Name Robert Gatto

Title: Vice President

Date: 04/01/2025

Failure to return this form may result in disqualification of the Bidder



VILLAGE OF ARLINGTON HEIGHTS

— INC. 1887 —

Addendum # 2

Date: March 27, 2025

To: All Bidders on the following Project

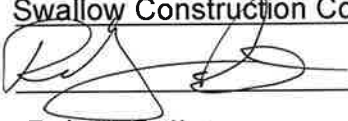
Project: **2025 Water Main Replacement Program**
Euclid Avenue Water Main Improvements

Bid Opening: Tuesday April 1, 2025 at 9:00 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.

See attached Addendum No. 2 dated March 27, 2025.

Bidder's Acknowledgment of Receipt:

Company Name: Swallow Construction Corp
Signature: 
Print Name: Robert Gatto
Title: Vice President
Date: 04/01/2025

Failure to return this form may result in disqualification of the Bidder



VILLAGE OF ARLINGTON HEIGHTS INC. 1887

Addendum # 3

Date: March 28, 2025

To: All Bidders on the following Project

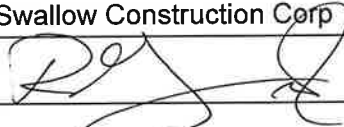
Project: **2025 Water Main Replacement Program**
Euclid Avenue Water Main Improvements

Bid Opening: Tuesday April 1, 2025 at 9:00 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.

See attached Addendum No. 3 dated March 28, 2025.

Bidder's Acknowledgment of Receipt:

Company Name: Swallow Construction Corp
Signature: 
Print Name: Robert Gatto
Title: Vice President
Date: 04/01/2025

Failure to return this form may result in disqualification of the Bidder



VILLAGE OF
ARLINGTON HEIGHTS
— INC. 1887 —

Village Board of Trustees
4/21/2025

Item: Request for Preliminary Plat Extension - 1821 N. Verde Ave.
Department: Planning & Community Development

Item Description:

Project Background

On April 15, 2024, the Village Board approved Resolution #24-011, which granted Preliminary Plat of Subdivision approval and a lot width variation for a two-lot subdivision for the property located at 1821 Verde Ave. As required by the Municipal Code, Preliminary Plat of Subdivision approval is valid for a period of 12 months. Accordingly, the Preliminary Plat of Subdivision approval expired on April 15, 2025.

Request

The petitioner has requested a six-month extension to the Preliminary Plat of Subdivision approval. Per the Municipal Code, up to a 12-month total extension to the approval can be granted by the Village Board. Any subsequent request for further extension beyond this initial 12-month period would be require an appearance before the Plan Commission and Village Board for their consideration.

The petitioner has explained this extension is necessary due to delays in obtaining financing. Additional details can be found within the petitioner's formal extension request letter.

Recommendation

It is recommended that the Village Board recommend approval of a six-month extension to Resolution of the Preliminary Plat of Subdivision approval until October 21, 2025.

ATTACHMENTS:

1. 1821 N Verde Ave - Request for Preliminary Plat Extension



VILLAGE OF ARLINGTON HEIGHTS

INC. 1887

Date: 4/9/25

To: Randy Recklaus, Village Manager

CC: Emily Rodman, Director of Planning and Community Development

From: Rachel Hitzemann, Development Planner

Subject: Request for Preliminary Plat Extension – 1821 Verde Ave.

Project Background:

On April 15, 2024, the Village Board approved Resolution #24-011, which granted Preliminary Plat of Subdivision approval and a lot width variation for a two-lot subdivision for the property located 1821 Verde Ave. As required by the Municipal Code, Preliminary Plat of Subdivision approval is valid for a period of 12 months. Accordingly, the Preliminary Plat of Subdivision approval expired on April 15th.

Request

The petitioner has requested a 6-month extension to the Preliminary Plat of Subdivision approval. Per the Municipal Code, up to 12-months' worth of extensions to the approval can be granted by the Village Board. Any subsequent request for further extension beyond this initial 12-month period would be required to appear before both the Plan Commission and Village Board for their consideration.

The petitioner has explained that these extensions are necessary due to delays in obtaining financing. Further details can be found within the petitioner's formal extension request letter.

Recommendation

It is recommended that the Village Board recommend approval of an extension to Resolution of the Preliminary Plat of Subdivision approval until October 21, 2025.

John Van Kooten
ok2lease@gmail.com
(312) 502-0900

April 3, 2025

Planning and Development Department
Village of Arlington Heights

Subject: Formal Request for Subdivision Extension – 1821 Verde Ave

To Whom It May Concern,

I am submitting this formal request for a six-month extension of the subdivision approval for 1821 Verde Ave. This project remains a priority, and I am actively finalizing the necessary financial arrangements to proceed. I anticipate that demolition and site preparation will commence within the next 90 days. However, in the interest of ensuring continued compliance and avoiding the need for a subsequent extension request, I respectfully request this additional time.

I appreciate the Village's support and consideration in facilitating responsible development within Arlington Heights. Please let me know if any additional information is required to process this request.

Sincerely,

John Van Kooten

A handwritten signature in dark ink, appearing to read 'John Van Kooten', is written over a horizontal line. The signature is fluid and cursive, with a long horizontal stroke extending to the right.

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. R 2024-11

A RESOLUTION APPROVING A PRELIMINARY PLAT OF SUBDIVISION
AND GRANTING A LOT WIDTH VARIATION
(1821 N. Verde Avenue)

WHEREAS, John Van Kooten and Annie Van Kooten (together, the “Owners”) are the owners of record of that certain parcel of real property, commonly known as 1821 N. Verde Avenue, Arlington Heights, Illinois (“Property”); and

WHEREAS, the Owners desire to subdivide the Property into two lots, to be known as “Lot 1” and “Lot 2;” and

WHEREAS, pursuant to Section 29-307.b.2 of the “Municipal Code of Arlington Heights, Illinois, 1995,” as amended (“Village Code”), the minimum lot width measured at the building setback line is 75 feet; and

WHEREAS, the Owners propose that Lot 2 have a width of 68.5 feet, in violation Section 29-307.b.2 of the Village Code; and

WHEREAS, the Owners submitted an application to the Village to subdivide the Property into Lot 1 and Lot 2, as depicted on that certain plat entitled Van Kooten’s Resubdivision, prepared by Morris Engineering, Inc., consisting of one sheet and dated November 2, 2023, a copy of which is attached to and, by this reference, made a part of this Resolution as Exhibit A (“Preliminary Plat of Subdivision”); and

WHEREAS, pursuant to Section 29-201 of the Village Code, the Owners have applied for approval of: (i) a variation from Section 29-307.b.2 of the Village Code to reduce the required width of Lot 2 from 75 feet to 68.5 feet, and (ii) the Preliminary Plat of Subdivision (collectively, the “Requested Relief”); and

WHEREAS, pursuant to notice duly published in the *Daily Herald* on January 30, 2024, the Plan Commission of the Village of Arlington Heights (“Plan Commission”) conducted a public hearing on February 14, 2024, concerning approval of the Requested Relief; and

WHEREAS, at the conclusion of the public hearing, the Plan Commission made findings and recommended that the President and Board of Trustees grant the Requested Relief, with certain specified development conditions; and

WHEREAS, having considered the findings and recommendations of the Plan Commission, the President and Board of Trustees have found and determined that it will serve and be in the best interest of the Village and its residents to approve the Requested Relief;

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 PRELIMINARY PLAT OF SUBDIVISION. The Preliminary Plat of Subdivision for the Property is hereby approved pursuant to Section 29-203 of the Village Code and

the home rule powers of the Village. The Owners may not commence construction on the Property until all the requirements set forth in Section 5 of this Ordinance are satisfied.

SECTION 3. SUBMISSION OF FINAL PLAT OF SUBDIVISION. Pursuant to and in accordance with Section 29-204 of the Village Code, the adoption of this Resolution authorizes the Owners to submit a final plat of subdivision for the Property ("*Final Plat of Subdivision*") to the Board of Trustees. The Final Plat of Subdivision must comply with the requirements in Section 6 below and must be submitted by the Owners for review and approval by the Village no later than 12 months after the effective date of this Resolution, or such extended date as may be approved by the Board of Trustees, in accordance with and pursuant to Section 29-204.c of the Village Code.

SECTION 4. GRANT OF VARIATION. Subject to, and contingent upon, the conditions, restrictions, and provisions set forth in this Ordinance, and as may be set forth in the Final Plat of Subdivision, and in accordance with, and pursuant to, Chapter 29 of the Village Code and the home rule powers of the Village, the Village hereby grants the Owners a variation from Section 29-307.b.2 of the Village Code to reduce the minimum width of Lot 2 from 75 feet to 68.5 feet. No development of Lot 1 or of Lot 2 may occur until and unless the Final Plat of Subdivision has been approved and recorded in accordance with all requirements of Chapter 29 of the Village Code and all other Village requirements are met.

SECTION 5. EFFECT OF APPROVALS. Pursuant to Section 29-204 of the Village Code, the approval of the Preliminary Plat of Subdivision for the Property, as set forth in Section 2 of this Resolution, is not to be deemed or interpreted as authorizing or entitling the Owners to approval of a Final Plat of Subdivision or to any other approval, or to the issuance of any permit, until after all of the standards and procedures for such other approvals or permits have been satisfied. Further, the Board of Trustees will have no obligation to consider or approve a Final Plat of Subdivision unless and until the Owners comply with the applicable procedures for review and approval of a final plat of subdivision for the Property, as set forth in the Village Code.

SECTION 6. CONDITIONS OF APPROVAL. Approval of the Final Plat of Subdivision will be expressly conditioned upon the following provisions, conditions, and restrictions, along with those additional provisions, conditions, and restrictions deemed appropriate by the Board of Trustees in its sole discretion:

- A. Existing Home. The Owners must cause the existing home on the Property to be demolished within six months after the Final Plat of Subdivision is approved by the Village Board.
- B. New Home Design and Tree Preservation. Prior to submittal of a building permit for a new home on Lot 1 or Lot 2, the Owners must refine the design and footprint of each proposed new home in coordination with the Village. The Owners must use reasonable efforts in designing each new home to preserve as many of the existing mature trees on the Property that are in good health, as determined by the Village in its discretion.
- C. New Homes. Prior to submittal of building permit applications for homes on Lot 1 or Lot 2, the Owners must submit applications to the Design Commission for review and approval of each proposed new home.
- D. Impact Fees. Prior to issuance by the Village of a building permit for a new home on Lot 1, the Owners must pay the Village the impact fees required by Chapter 29 of the Village Code.

- E. Linkage Fees. Prior to issuance by the Village of a building permit for a new home on Lot 1 or Lot 2, the Owners must pay the Village the linkage fees required by Chapter 7 of the Village Code for each new home.
- F. Fee-In-Lieu. Prior to issuance by the Village of a site development permit for the required Property improvements, the Owners must pay to the Village a \$8,264.00 fee-in-lieu of onsite detention.
- G. Reimbursement Agreement. In lieu of the Owners installing curbs, gutters, sidewalks, and storm sewers within the portion of the Verde Avenue right-of-way ("*Verde Improvements*") adjacent to the Property as part of the development of Lot 1 and Lot 2, as required by Section 20-107 of the Village Code, prior to issuance by the Village of a site development permit for the required Property improvements, the Owners must enter into an estoppel agreement to reimburse the Village for the Owners' proportionate share of the costs of the Verde Improvements in a form provided by the Village. The estoppel agreement will: (1) waive Owners' objections to the establishment of a special assessment to recoup the costs of the Verde Improvements, (2) require the Owners to deposit their share of the costs of the Verde Improvements in an escrow in lieu of a special assessment when directed by the Village, and (3) be recorded on, and run with, title to the Property.
- H. Regulations. The development, use, operation, and maintenance of the 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.

SECTION 7. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

AYES: LABEDZ, TINAGLIA, SCHWINGBECK, SHIRLEY, DUNNINGTON, GRASSE, HAYES

NAYS: NONE

PASSED AND APPROVED THIS 15 day of April, 2024

Choma W. Ayua
Village President

ATTEST:

Rebecca Humme
Village Clerk

PRELIMINARY PLAT OF
VAN KOOTEN'S RESUBDIVISION
OF

PIN NUMBERS
03-19-104-001
03-19-104-002

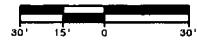
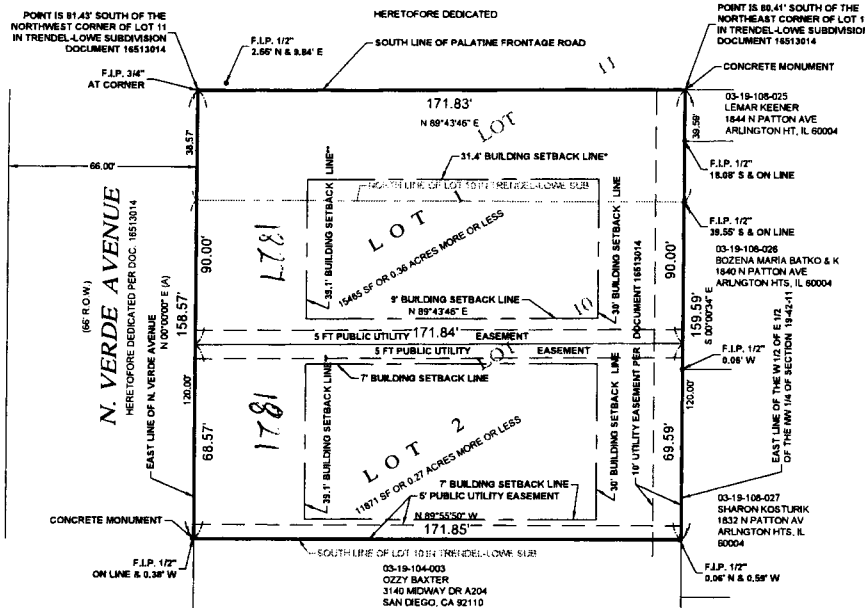
SEND TAX BILL TO:
JOHN AND ANNIE VAN KOOTEN
1821 2309 ROBINCREST LANE
GLENVIEW, IL 60025

SUBDIVIDED BY:
JOHN AND ANNIE VAN KOOTEN
1821 2309 ROBINCREST LANE
GLENVIEW, IL 60025

LOT 10 AND PART OF LOT 11 IN TRENDEL-LOWE SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED AS DOCUMENT 16513014 IN COOK COUNTY, ILLINOIS.

LAND AREA = 27.336 SF
OR 0.63 ACRES MORE OR LESS

PALATINE FRONTAGE ROAD



BASIS OF BEARING:
EAST LINE OF N. VERDE DRIVE AS FOUND
NONUMENTED AND OCCUPIED.
N 00°00'00" E (ASSUMED)

"THE ACTUAL REQUIRED EXTERIOR SIDEYARD
BUILDING SETBACK LINE MAY BE LESS THAN OR
GREATER THAN 31.4' AS PRESCRIBED IN THE
ARLINGTON HEIGHTS MUNICIPAL CODE,
SPECIFICALLY, SECTION 5.1-3.2(a) OF CHAPTER
27 ALLOWS THE EXTERIOR SIDE YARD SETBACK
TO BE CALCULATED BASED ON THE AVERAGE
OF THE EXISTING SETBACKS OF THE FRONTAGE
WHEN 40% OR MORE OF THE FRONTAGE IS
DEVELOPED WITH YARDS OF MORE THAN 10
FEET IN DEPTH. IF THIS CODE SECTION IS NO
LONGER APPLICABLE, THE REQUIRED SETBACK
SHALL BE BASED ON CURRENT CODE
REQUIREMENTS.

"THE ACTUAL REQUIRED EXTERIOR FRONT
YARD BUILDING SETBACK LINE MAY BE LESS
THAN OR GREATER THAN 30' AS PRESCRIBED
IN THE ARLINGTON HEIGHTS MUNICIPAL CODE,
SPECIFICALLY, SECTION 5.1-3.2(a) OF CHAPTER
27 ALLOWS THE FRONT YARD SETBACK TO BE
CALCULATED BASED ON THE AVERAGE OF THE
EXISTING SETBACKS OF THE FRONTAGE WHEN
40% OR MORE OF THE FRONTAGE IS
DEVELOPED WITH YARDS OF MORE THAN 15
FEET IN DEPTH. IF THIS CODE SECTION IS NO
LONGER APPLICABLE, THE REQUIRED SETBACK
SHALL BE BASED ON CURRENT CODE
REQUIREMENTS.

ADDRESS OF LOT 1: _____

ADDRESS OF LOT 2: _____

NOTE: THE EXISTING 30 FOOT BUILDING LINE
PER DOCUMENT 16513014 HAS BEEN
INCREASED TO 36.1 FEET.

CERTIFICATE OF APPROVAL

STATE OF ILLINOIS
COUNTY OF COOK SS

UNDER THE AUTHORITY PROVIDED BY IS 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 _____

UTILITY CERTIFICATE

COMMONWEALTH EDISON COMPANY
EASEMENT APPROVED AND ACCEPTED

BY: _____ DATE: _____ 20__

TITLE: _____

AMERITECH/ISC
EASEMENT APPROVED AND ACCEPTED

BY: _____ DATE: _____ 20__

TITLE: _____

NGOR GAS
EASEMENT APPROVED AND ACCEPTED

BY: _____ DATE: _____ 20__

TITLE: _____

COMCAST CABLE
EASEMENT APPROVED AND ACCEPTED

BY: _____ DATE: _____ 20__

TITLE: _____

WIDE OPEN WEST, LLC
EASEMENT APPROVED AND ACCEPTED

BY: _____ DATE: _____ 20__

TITLE: _____

SCHOOL DISTRICT CERTIFICATE

STATE OF ILLINOIS
COUNTY OF COOK SS

THIS IS TO CERTIFY THAT JOHN AND ANNIE VAN KOOTEN, AS DEVELOPERS OF THE
PROPERTY HEREIN DESCRIBED IN THE SURVEYORS CERTIFICATE WHICH WILL BE
KNOWN AS VAN KOOTEN'S RESUBDIVISION, TO THE BEST OF OUR KNOWLEDGE, IS
LOCATED WITHIN THE BOUNDARIES OF CONSOLIDATED COMMUNITY SCHOOL DISTRICT
NO. 25, TOWNSHIP HIGH SCHOOL DISTRICT 214, AND HARPER COMMUNITY COLLEGE
DISTRICT 512, IN COOK COUNTY, ILLINOIS.

DATED THIS _____ DAY OF _____ 20__

BY: _____

DEED OF DEDICATION

WE, THE UNDERSIGNED, JOHN AND ANNIE VAN KOOTEN, 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 VAN KOOTEN'S RESUBDIVISION, 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 HEREBY ESTABLISHED
AS SHOWN ON THIS PLAT, BETWEEN WHICH LINES AND THE PROPERTY LINES OF THE
STREETS, THERE SHALL BE ERRECTED OR MAINTAINED NO BUILDING OR STRUCTURE.
THERE ARE STRIPS OF GROUND, 5 FEET AND 10 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 AS TO THE EASEMENT HEREIN
RESERVED, NO PERMANENT OR OTHER STRUCTURES ARE TO BE ERRECTED OR
MAINTAINED UPON SAID STRIP 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.

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 ERRECTED OR MAINTAINED IN VIOLATION THEREOF, 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__

NOTARY CERTIFICATE

STATE OF ILLINOIS
COUNTY OF COOK SS

BEFORE ME, THE UNDERSIGNED NOTARY PUBLIC, IN AND FOR THE COUNTY AND
STATE, PERSONALLY APPEARED JOHN AND ANNIE VAN KOOTEN AND ANNIE VAN KOOTEN
EACH SEPARATELY AND SEVERALLY ACKNOWLEDGED THE EXECUTION OF THE
FOREGOING INSTRUMENT AS IS OR HER VOLUNTARY ACT AND DEED, FOR THE
PURPOSES THEREIN SET FORTH.

WITNESS MY HAND AND NOTARIAL SEAL THIS _____ DAY OF _____ 20__

NOTARY PUBLIC _____

MY COMMISSION EXPIRES: _____

CERTIFICATE AS TO SPECIAL ASSESSMENTS

STATE OF ILLINOIS
COUNTY OF COOK SS

I, _____ COUNTY CLERK OF COOK COUNTY, ILLINOIS, DO
HEREBY CERTIFY THAT THERE ARE NO DELINQUENT OR UNPAID CURRENT OR
FORFEITED SPECIAL ASSESSMENTS OF ANY DEFERRED INSTALLMENTS THEREOF THAT
HAVE BEEN APORTIONED AGAINST THE TRACT FO LAND INCLUDED IN THE PLAT.

DATED THIS _____ DAY OF _____ A.D. 20__

BY: _____

COUNTY CLERK

COUNTY CLERK CERTIFICATE

STATE OF ILLINOIS
COUNTY OF COOK SS

I DO NOT FIND ANY DELINQUENT GENERAL TAXES, UNPAID CURRENT GENERAL TAXES,
DELINQUENT SPECIAL ASSESSMENTS OR UNPAID CURRENT SPECIAL ASSESSMENTS
AGAINST THE TRACT OF LAND ON THE ABOVE PLAT.

DATED THIS _____ DAY OF _____ 20__

BY: _____

COUNTY CLERK

SURVEYOR'S CERTIFICATE

STATE OF ILLINOIS
COUNTY OF DUPAGE SS

I, THOMAS J. CESAL, AN ILLINOIS PROFESSIONAL LAND SURVEYOR HAVE SURVEYED AND
SUBDIVIDED THE FOLLOWING DESCRIBED PROPERTY.

PARCEL 1:

THAT PART OF LOT 11 IN TRENDEL-LOWE SUBDIVISION, A SUBDIVISION OF THE NORTH
659.62 FEET OF THE WEST HALF OF THE EAST HALF (EXCEPT THE WEST 221.5 FEET
THEREOF) OF THE NORTHWEST QUARTER OF SECTION 19, TOWNSHIP 42 NORTH,
RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING SOUTH OF A LINE
CONNECTING A POINT ON THE WEST LINE OF SAID LOT THAT IS 81.43 FEET SOUTH OF
THE NORTHWEST CORNER OF SAID LOT WITH A POINT ON THE EAST LINE OF SAID
LOT THAT IS 80.41 FEET SOUTH OF THE NORTHEAST CORNER OF SAID LOT, IN COOK
COUNTY, ILLINOIS.

PARCEL 2:

LOT 10 IN TRENDEL-LOWE SUBDIVISION, A SUBDIVISION OF THE NORTH 659.62 FEET
OF THE WEST HALF OF THE EAST HALF (EXCEPT THE WEST 221.5 FEET THEREOF) OF
THE NORTHWEST QUARTER OF SECTION 19, TOWNSHIP 42 NORTH, RANGE 11, EAST
OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

AND THE HEREON DRAWN PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE
SAME. ALL DIMENSIONS ARE IN FEET AND DECIMAL PARTS OF A FOOT AND ARE
CORRECT AT A TEMPERATURE OF 68 DEGREES FAHRENHEIT.

I FURTHER CERTIFY THAT THIS PROPERTY APPEARS, BY SCALED MEASUREMENT, TO
FALL WITHIN ZONE X AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE
FLOODPLAIN, PER FLOOD INSURANCE RATE MAP (FIRM) MAP NUMBER 17031G0201J WITH
AN EFFECTIVE DATE OF 8/19/2008.

FURTHERMORE, I DESIGNATE THE VILLAGE OF ARLINGTON HEIGHTS TO ACT AS MY
AGENT, FOR THE PURPOSES OF RECORDING THIS DOCUMENT.

IRON RODS AND CONCRETE MONUMENTS WILL BE SET AT PROPERTY CORNERS UPON
COMPLETION OF MASS GRADING.

DATED, THIS 12TH DAY OF MARCH, A.D., 2024, AT LISLE, ILLINOIS.

Thomas J. Cesal
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-2205
MY LICENSE EXPIRES NOVEMBER 30, 2024.
ILLINOIS PROFESSIONAL DESIGN FIRM PROFESSIONAL
ENGINEERING CORPORATION NO. 184-001245

CLIENT: JOHN & ANNIE VAN KOOTEN



REVISED 11-02-2023

SHEET 1 OF 1
PLAT # 20-19-1003



Morris Engineering, Inc.
Civil Engineering • Consulting
Land Surveying
515 Warrenville Road, Lisle, IL 60532
Phone: (630) 271-0770
Survey: (630) 271-0509
FAX: (630) 271-0774
Website: www.ecivil.com



VILLAGE OF
ARLINGTON HEIGHTS
— INC. 1887 —

Village Board of Trustees
4/21/2025

Item: Ordinance Amending Comprehensive Plan Map for East
Country Lane Townhomes - 3310 N. Old Arlington Heights Rd.
Department: Planning & Community Development

Item Description:

At the April 7, 2025 Village Board meeting, a Comprehensive Plan Amendment for East Country Lane Townhomes at 3310 N. Old Arlington Heights Road was discussed and approved. The Ordinance setting forth the provisions and conditions of approval is attached.

Recommendation

Adoption of an Ordinance granting a Comprehensive Plan Amendment for East Country Lane Townhomes at 3310 N. Old Arlington Heights Road.

ATTACHMENTS:

1. Ordinance Amending Comprehensive Plan Map - 3310 N. Old Arlington Heights Road

AN ORDINANCE AMENDING THE COMPREHENSIVE PLAN MAP
(3310 N. Old Arlington Heights Road)

WHEREAS, SFP Properties, LLC (*“Applicant”*) is the contract purchaser of that certain property commonly known as 3310 N. Old Arlington Heights Road, and legally described in Exhibit A attached to and, by this reference, made a part of this Ordinance (*“Property”*); and

WHEREAS, the Comprehensive Plan Map of the Village classifies Property within the “R&D, Manufacturing, Warehousing” classification; and

WHEREAS, the Applicant, with the consent of the owner of the Property, filed an application with the Village requesting to amend the Comprehensive Plan Map to change the classification of Property from the “R&D, Manufacturing, Warehousing” classification to the “Moderate Density Multi-Family” classification, as depicted in the map in Exhibit B attached to and, by this reference, made a part of this Ordinance (*“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 January 7, 2025, and held on January 22, 2025, February 26, 2025, and March 12, 2025; and

WHEREAS, on March 12, 2025, the Plan Commission made findings and recommendations in support of the Requested Relief; and

WHEREAS, the President and Board of Trustees have determined that it will serve and be in the best interest of the Village to approve the Requested Relief, subject to the 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. AMENDMENT OF COMPREHENSIVE PLAN MAP. In accordance with, and pursuant to, Section 6-201 of the “Municipal Code of Arlington Heights, Illinois, 1995,” as amended, and the home rule powers of the Village, the Village Board of Trustees hereby amends the classification of the Property on the Comprehensive Plan Map from “R&D, Manufacturing, Warehousing” to the “Moderate Density Multi-Family” classification.

SECTION 3. NOTICE. The Village Clerk is directed to file a Certificate of Notice of Adoption of this Ordinance with the Office of the Cook County Clerk’s Recording Division.

SECTION 4. 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 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 5. EFFECTIVE DATE. This Ordinance will be effective only upon the later to occur of: (a) passage by the Village President and Board of Trustees in the manner required by law; and (b) the

date that is 10 days after the filing by the Village Clerk of the Certificate of Notice of Adoption, as set forth in Section 3 of this Ordinance.

AYES:

NAYS:

PASSED AND APPROVED THIS ____ day of _____, 2025

Village President

ATTEST:

Village Clerk

EXHIBIT A

LEGAL DESCRIPTION OF THE PROPERTY

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 24 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

PARCEL 2

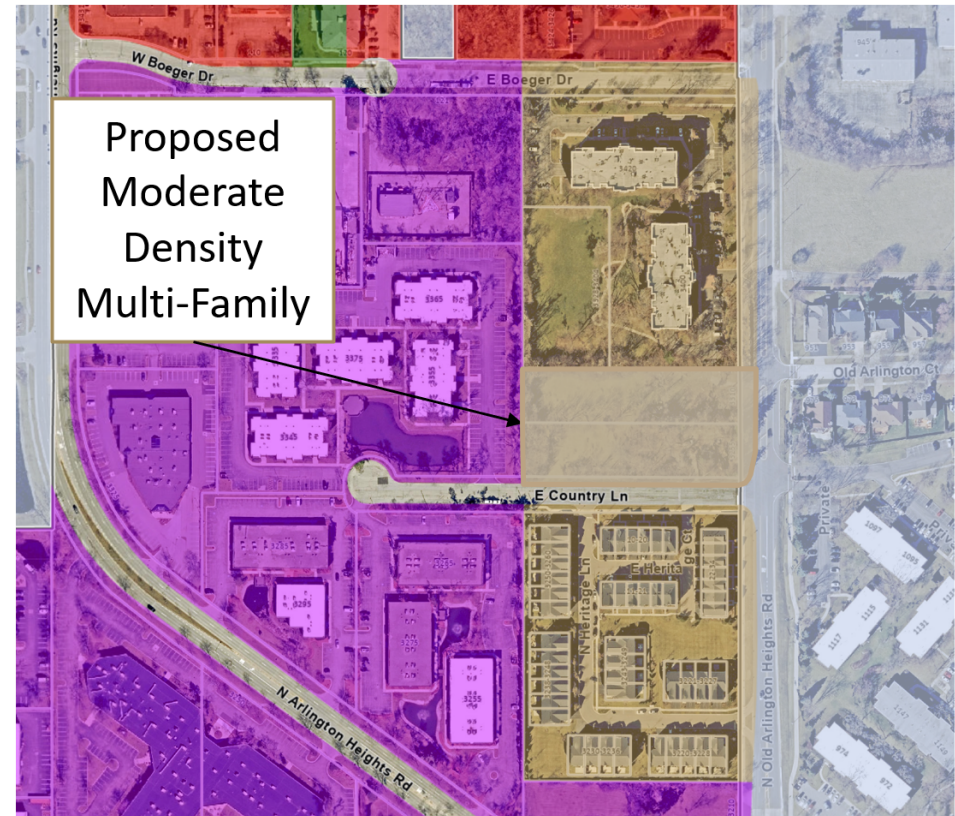
LOT 16 IN FREEDOM SMALL FARMS, BEING A SUBDIVISION IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER AND THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 8, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

Commonly known as: 3310 N. Old Arlington Heights Road, Arlington Heights, Illinois

PINs: 03-08-100-018
03-08-100-019

EXHIBIT B

AMENDMENT TO COMPREHENSIVE PLAN MAP





VILLAGE OF
ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/21/2025

Item: Ordinance Approving Rezoning Property to R-6 District for East Country Lane Townhomes - 3310 N. Old Arlington Heights Rd.

Department: Planning & Community Development

Item Description:

At the April 7, 2025 Village Board meeting, rezoning property to the R-6 District for East Country Lane Townhomes at 3310 N. Old Arlington Heights Road was discussed and approved. The Ordinance setting forth the provisions and conditions of approval is attached.

Recommendation

Adoption of an Ordinance Granting Rezoning Property to the R-6 District for East Country Lane Townhomes at 3310 N. Old Arlington Heights Road.

ATTACHMENTS:

1. Ordinance Rezoning Property to R-6 District - 3310 N. Old Arlington Heights Road

ORDINANCE NO. 2025-_____

AN ORDINANCE REZONING PROPERTY TO
THE R-6 MULTIPLE FAMILY DWELLING DISTRICT
(3310 N. Old Arlington Heights Road)

WHEREAS, SFP Properties, LLC ("*Applicant*") is the contract purchaser of that certain property commonly known as 3310 N. Old Arlington Heights Road, and legally described in Exhibit A attached to and, by this reference, made a part of this Ordinance ("*Property*"); and

WHEREAS, the Applicant, with the consent of the owner of the Property, submitted an application to the Village to rezone the Property from the M-1 Research, Development and Light Manufacturing District ("*M-1 District*") to the R-6 Multiple Family Dwelling District ("*R-6 District*"); and

WHEREAS, Section 14 of "The 2002 Comprehensive Amendment of the Zoning Ordinance of the Village of Arlington Heights," as amended ("*Zoning Code*"), regulates amendments to the Village of Arlington Heights Official Zoning Map ("*Zoning Map*"); and

WHEREAS, pursuant to notice duly published in the *Daily Herald* on January 7, 2025, the Plan Commission of the Village conducted a public hearing on January 22, 2025, February 26, 2025, and March 12, 2025, concerning amendments to the Zoning Map to rezone the Property from the M-1 District into the R-6 District ("*Requested Rezoning*"); and

WHEREAS, at the conclusion of the public hearing on March 12, 2025, the Plan Commission made findings and recommendations in support of the Requested Rezoning of the Property; and

WHEREAS, having considered the findings and recommendations of the Plan Commission, the President and Board of Trustees have found and determined that it will serve and be in the best interest of the Village and its residents to approve the Requested Rezoning and rezone the Property into the R-6 District;

NOW, THEREFORE, BE IT ORDAINED 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 Ordinance are found to be true and correct and are hereby adopted as part of this Ordinance.

SECTION 2. ZONING MAP AMENDMENT. The Zoning Map of the Village is hereby amended to rezone the Property into the R-6 District, in accordance with, and pursuant to, Section 14 of the Zoning Code and the home rule powers of the Village.

SECTION 3. SEVERABILITY. If any provisions 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 4. 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.

AYES:

NAYS:

PASSED AND APPROVED THIS ____ day of _____, 2025

Village President

ATTEST:

Village Clerk

EXHIBIT A

LEGAL DESCRIPTION OF THE PROPERTY

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 24 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 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.

Commonly known as: 3310 N. Old Arlington Heights Road, Arlington Heights, Illinois

PINs: 03-08-100-018
03-08-100-019



VILLAGE OF
ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/21/2025

Item: Ordinance Approving a Planned Unit Development and Variations for East Country Lane Townhomes - 3310 N. Old Arlington Heights Rd.

Department: Planning & Community Development

Item Description:

At the April 7, 2025 Village Board meeting, a Planned Unit Development and variations for East Country Lane Townhomes at 3310 N. Old Arlington Heights Road were discussed and approved. The Ordinance setting forth the provisions and conditions of approval is attached.

Recommendation

Adoption of an Ordinance granting a Planned Unit Development and variations for East Country Lane Townhomes at 3310 N. Old Arlington Heights Road.

ATTACHMENTS:

1. 3. AH Ordinance Approving PUD and Variations for 3310 N. Old Arlington Heights Road

VILLAGE OF ARLINGTON HEIGHTS

ORDINANCE NO. 2025-_____

AN ORDINANCE APPROVING A PLANNED UNIT DEVELOPMENT
AND VARIATIONS FOR A TOWNHOME DEVELOPMENT
(3310 N. Old Arlington Heights Road)

ADOPTED BY THE
PRESIDENT AND BOARD OF TRUSTEES
OF THE VILLAGE OF ARLINGTON HEIGHTS
THIS __ DAY OF _____, 2025.

Published in pamphlet form
by the authority of the
President and Board of Trustees
of the Village of Arlington Heights,
Cook County, Illinois this
_____ day of _____, 2025.

Village Clerk

ORDINANCE NO. 2025-_____

AN ORDINANCE APPROVING A PLANNED UNIT DEVELOPMENT
AND VARIATIONS FOR A TOWNHOME DEVELOPMENT
(3310 N. Old Arlington Heights Road)

WHEREAS, SFP Properties, LLC ("*Applicant*") is the contract purchaser of those certain properties owned by Chicago Title Land Trust Company ("*Owner*"), consisting of 80,150 square feet, commonly and collectively known as 3310 N. Old Arlington Heights Road, Arlington Heights, Illinois, located in the R-6 Multiple Family Dwelling District ("*R-6 District*"), and legally described in Exhibit A attached to and, by this reference, made a part of this Ordinance ("*Property*"); and

WHEREAS, the Property is currently vacant and unimproved; and

WHEREAS, the Applicant desires to redevelop the Property with a 24-unit, three-story rental townhome development comprised of four buildings ("*Proposed Development*"); and

WHEREAS, pursuant to Section 5.1-21.1.h of "The 2002 Comprehensive Amendment of the Zoning Ordinance of the Village of Arlington Heights," as amended ("*Zoning Code*"), in order to construct and operate the Proposed Development, the Village must approve a planned unit development therefor ("*PUD*"); and

WHEREAS, pursuant to Section 5.1-6.2.b of the Zoning Code, not more than 22 residential units are permitted to be developed and occupied on the Property; and

WHEREAS, the Applicant desires to construct 24 units on the Property, in violation of Section 5.1-6.2.b of the Zoning Code; and

WHEREAS, pursuant to Section 6.15-1.2.b of the Zoning Code, landscape islands equal in area to at least one parking space, each containing at least one live shade tree at a minimum of four inches in diameter, must be located at the end of every 20 parking spaces; and

WHEREAS, the Applicant desires to construct two landscape islands without trees within the parking lot on the Property, in violation of Section 6.15-1.2.b of the Zoning Code; and

WHEREAS, pursuant to Sections 9 and 12 of the Zoning Code, the Applicant, with the Owner's consent, has filed an application for approval of: (i) a PUD to allow the Proposed Development on the Property; (ii) a variation from Section 5.1-6.2.b of the Zoning Code to allow 24 residential units on the Property, and (iii) a variation from Section 6.15-1.2.b of the Zoning Code to allow two landscape islands without trees (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 January 7, 2025, and held on January 22, 2025, February 26, 2025 and March 12, 2025; and

WHEREAS, on March 12, 2025, the Plan Commission made findings and recommendations in support of the Requested Relief, with conditions; and

WHEREAS, the President and Board of Trustees have determined that the Requested Relief meets the required standards for PUDs and variations as set forth in Sections 9 and 12 of the Zoning Code; and

WHEREAS, the President and Board of Trustees have determined that it will serve and be in the best interest of the Village to approve the Requested Relief, 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 PLANNED UNIT DEVELOPMENT. 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 approves a PUD for the development, use, and maintenance of the Proposed Development on the Property.

SECTION 3. APPROVAL 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, Sections 9 and 12 of the Zoning Code and the home rule powers of the Village, the Village hereby approves the following variations in connection with the Proposed Development on the Property:

- A. Minimum Lot Size. A variation from Section 5.1-6.2.b of the Zoning Code to increase the maximum number of permitted residential units on the Property, from 22 to 24 units.
- B. Landscape Islands. A variation from Section 6.15-1.2.b of the Zoning Code to waive the requirement to provide trees within two of the proposed landscape islands within the parking lot on the Property.

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 Property in substantial compliance with each and all of the following conditions. The Owner and the Applicant are responsible for complying with their obligations in this Ordinance. For all conditions set forth in this Section 4 for which the Village may conduct a review, make a modification, make an approval, or make a determination, the Village Manager, or their designee, is authorized to take that action in their sole discretion. The Applicant will bear all costs for compliance with its obligations in this Section 4 and elsewhere in this Ordinance, unless otherwise noted.

- A. Compliance with Regulations. Except to the extent specifically provided otherwise in this Ordinance, the development, use, operation, and maintenance of the Proposed Development and the 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. Compliance with Plans. Except for minor changes and site work approved by the Village Director of Building & Life Safety (for matters within their permitting authority) in accordance with all applicable Village standards, the development, use, operation, and maintenance of the Proposed Development and of the Property must be substantially compliant with the following plans (collectively, the “Plans”):

1. The Eave Height Exhibit, undated and consisting of one sheet, a copy of which is attached to and, by this reference, made a part of this Ordinance as Exhibit B;
 2. The Layout Materials Plans, prepared by Hitchcock Design, Inc., consisting of five sheets, with a last revision date of May 23, 2024, a copy of which is attached to and, by this reference, made a part of this Ordinance as Exhibit C;
 3. The Landscape Tree Preservation Plan, prepared by Heritage Oak Studios, LLC, consisting of three sheets, with a last revision date of January 29, 2025, a copy of which is attached to and, by this reference, made a part of this Ordinance as Exhibit D;
 4. The Photometric Plan, prepared by RAB Lighting, Inc., consisting of nine sheets, with a last revision date of December 18, 2024, a copy of which is attached to and, by this reference, made a part of this Ordinance as Exhibit E;
 5. The Preliminary Engineering Plans, prepared by Pearson, Brown & Associates, Inc., consisting of 14 sheets, with a last revision date of February 28, 2025, a copy of which is attached to and, by this reference, made a part of this Ordinance as Exhibit F;
 6. The Preliminary Plat of Subdivision East Country Lane Townhomes, prepared by United Survey Service, LLC, consisting of one sheet, with a last revision date of February 25, 2025, a copy of which is attached to and, by this reference, made a part of this Ordinance as Exhibit G;
 7. The Master Plan, prepared by the Applicant, undated and consisting of two sheets, a copy of which is attached to and, by this reference, made a part of this Ordinance as Exhibit H; and
 8. The Site Plan, prepared by BSB Design, consisting of one sheet, with a last revision date of December 16, 2024, a copy of which is attached to and, by this reference, made a part of this Ordinance as Exhibit I.
- C. Final Plat of Subdivision. The Applicant must submit a final plat of subdivision to be reviewed and approved by the Village Board prior to issuance of building permits.
- D. Cross-Access Easement. The Applicant must negotiate in good faith, and take all practicable steps to complete and execute, a reciprocal cross-access easement with the property located adjacent to, and immediately north of, the Property, located at 3400 N. Old Arlington Heights Road and known as the “*Timber Court*” development.
- E. Utilities. The Applicant must locate above-ground utilities, transformers, or other similar utility company mechanical equipment in a manner so that the equipment is screened from view from public rights-of-way.
- F. Curb Cuts. The Applicant must remove the depressed curb cuts and existing apron on the Property and replace them with full head curb cuts, and restore the parkways with topsoil and seed or sod.

- G. Compliance with Design Commission Approval. The Applicant must comply with all requirements set forth in the September 24, 2024 motion of the Design Commission concerning the approval of the design for the Proposed Development.
- H. Compliance with Housing Commission Approval. The Applicant is responsible to ensure that the Planned Development is and remains in full compliance with the requirements of the Village Inclusionary Housing Ordinance (set forth in Article XVII of Chapter 7 of the Village Code) and with the Village's Inclusionary Housing Guidelines by providing, at a minimum, one on-site affordable unit and a fee-in-lieu equivalent to 0.2 units, in compliance with Section 7-1707.b.2 of the Village Code and the Village's Inclusionary Housing Guidelines, which requires that 5% of the total units in the Planned Development be affordable.
- I. Payment of Fees.
 - 1. Required Fees. The Applicant must pay to the Village all fees required pursuant to Chapter 29 of the Municipal Code of Arlington Heights, Illinois, 1995, as amended ("*Village Code*").
 - 2. Linkage Fees. The Applicant must pay to the Village linkage fees in accordance with Chapter 7 of the Village Code and the approval of the Affordable Housing Plan by the Housing Commission on November 20, 2024, a copy of which is attached to and, by this reference, made a part of this Ordinance as Exhibit J, at the time of building permit issuance.

SECTION 5. RECORDATION; BINDING EFFECT. A copy of this Ordinance will be recorded with the Cook County Clerk's Recording Division. This Ordinance and the privileges, obligations, and provisions contained herein inure solely to the benefit of, and are binding upon the Owner and the Applicant, and each of their heirs, representatives, successors, and assigns.

SECTION 6. FAILURE TO COMPLY WITH CONDITIONS. Upon the failure or refusal of the Owner or the Applicant to comply with any or all of the conditions, restrictions, or provisions of this Ordinance, as applicable, the approvals in Sections 2 and 3 of this Ordinance may, 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 in Sections 2 and 3 of this Ordinance unless they first provide the Owner 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 revocation, the development and use of the Property will be governed solely by the regulations of the R-6 District, and the applicable provisions of the Village Code, as the same may, from time to time, be amended. Further, in the event of such revocation, the Village Manager and Village Attorney are hereby authorized and directed to bring such enforcement action as may be appropriate under the circumstances.

SECTION 7. AMENDMENTS. Any amendments to the approvals in Sections 2 and 3 of this Ordinance that may be requested by the Owner or the Applicant after the effective date of this Ordinance may be approved only pursuant to the procedures, and subject to the standards and limitations, provided in the Zoning Code.

SECTION 8. 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 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 9. 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; and
2. The filing by the Owner and the Applicant with the Village Clerk of an Unconditional Agreement and Consent, in the form of Exhibit K 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 approval of this Ordinance.

B. In the event the Owner or the Applicant do not file a fully executed copy of the Unconditional Agreement and Consent, as required by Section 9.A.2 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

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 24 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 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.

Commonly known as: 3310 N. Old Arlington Heights Road, Arlington Heights, Illinois

PINs: 03-08-100-018
03-08-100-019

EXHIBIT B
EAVE HEIGHT EXHIBIT

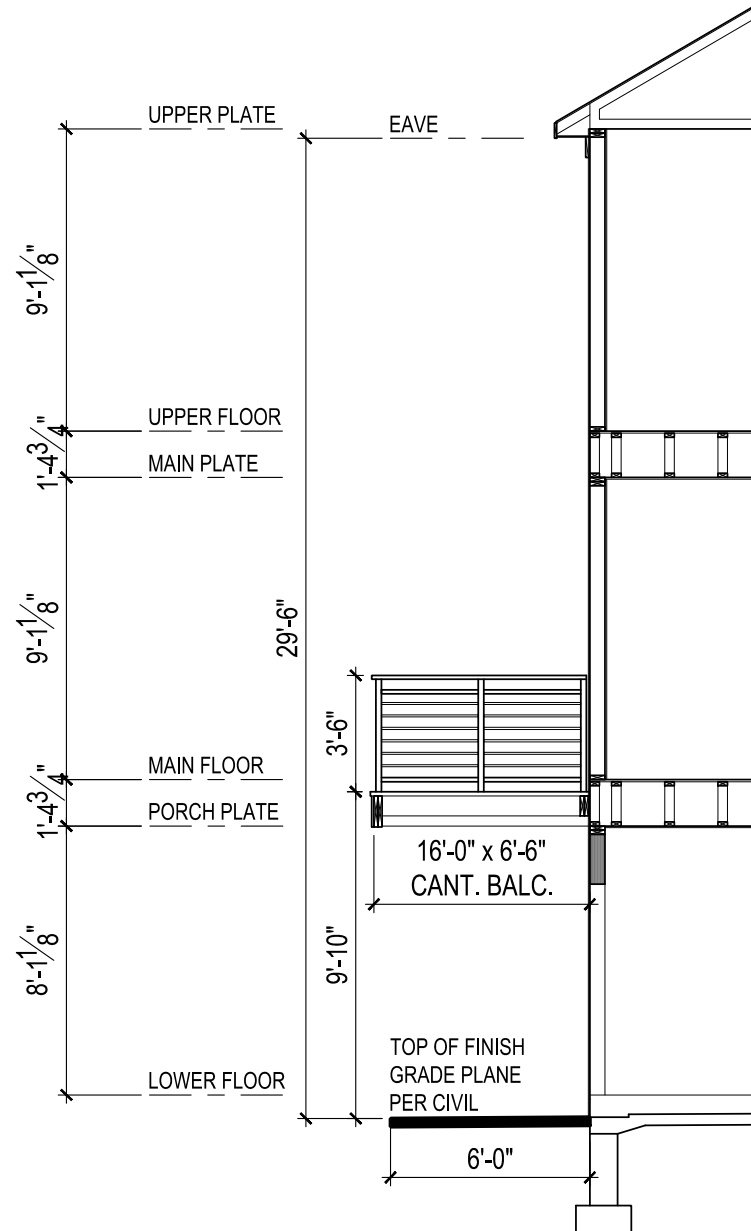
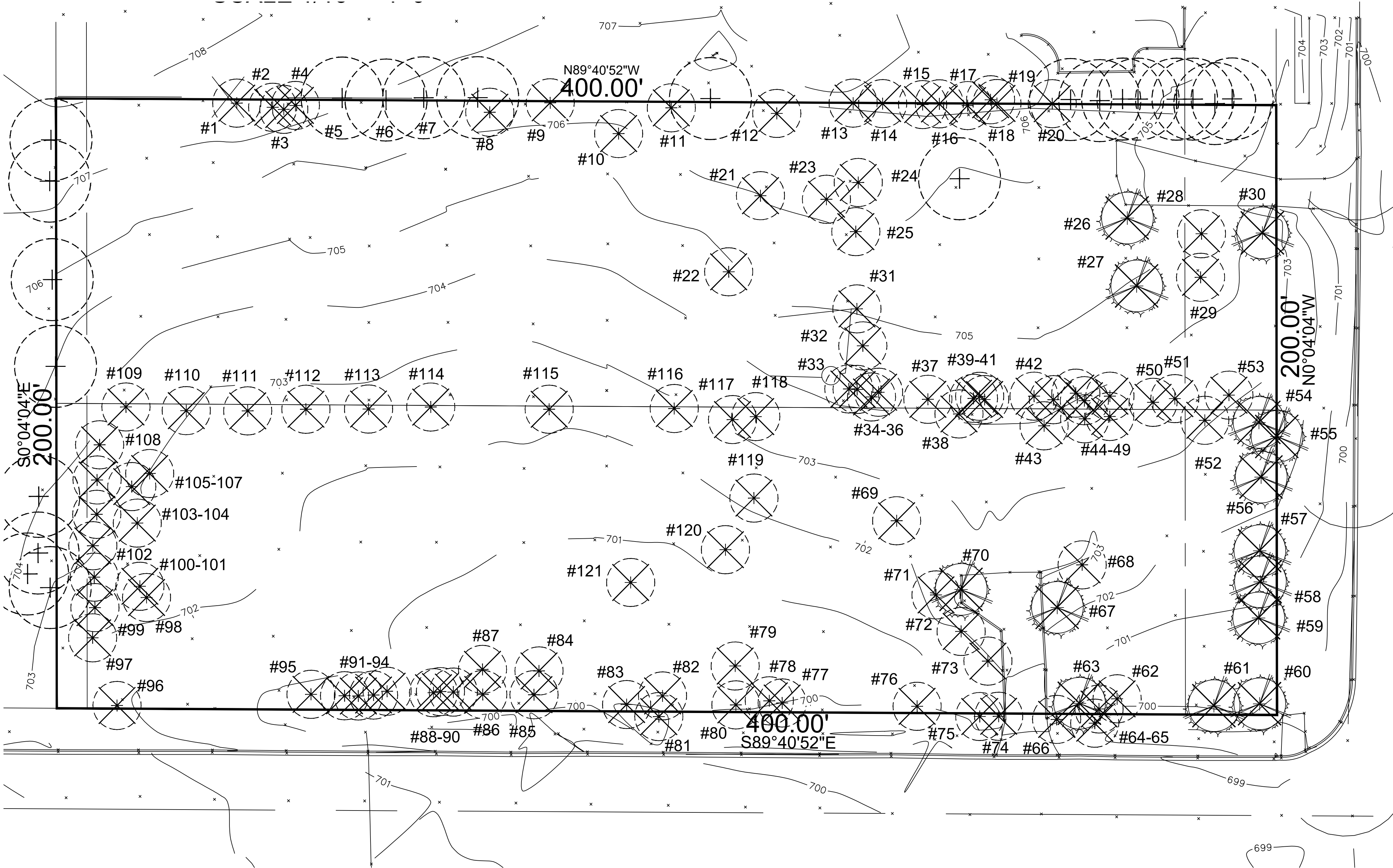


EXHIBIT C

LANDSCAPE TREE PRESERVATION PLAN

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

#81

EXISTING DECIDUOUS TREE TO BE REMOVED

#63

EXISTING EVERGREEN TREE TO BE REMOVED

EXISTING OFF-SITE DECIDUOUS TREE TO REMAIN

- GENERAL NOTES:
- TREE REMOVAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL TREES DESIGNATED FOR REMOVAL ARE WITHIN THE SUBJECT PROPERTY PRIOR TO BEGINNING WORK.
 - 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.
 - ALL SCRUB/UNDERSTORY GROWTH ON-SITE SHALL BE REMOVED.

Know what's below.
Call before you dig.

SCALE 1" = 20'

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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

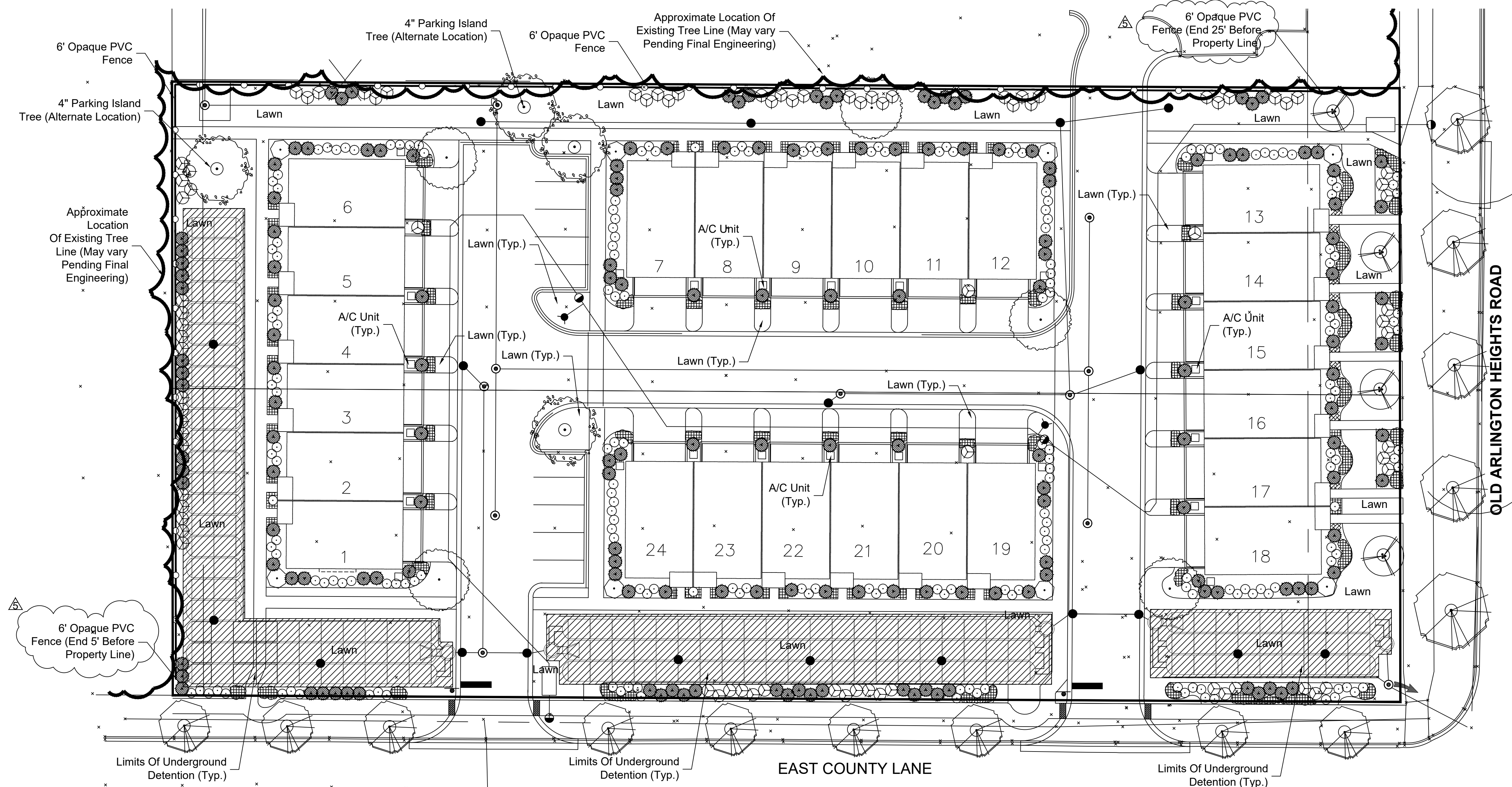
24301 White Oak Drive
Plainfield, IL 60585
PHONE: 815-531-4415

TREE SURVEY & REMOVAL PLAN

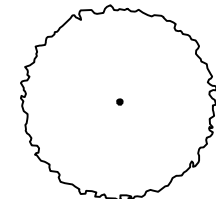
DATE: 2024-08-14
SCALE: 1"=20'
PLANNER: RP
DRAWN BY: RP
CHECKED: _____

SHEET TS-1

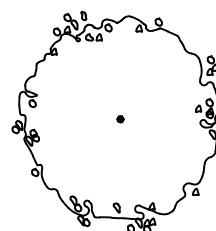
PROJECT NO.: 1524-2417



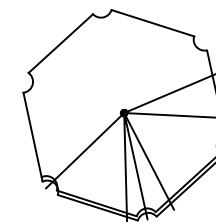
LEGEND (Trees listed are representative and may vary)



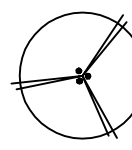
DECIDUOUS SHADE TREE - 2.5"
(Red Oak, Swamp White Oak, elms, Hackberry, Red Maples, Coffeetree, Honeylocust, Etc.)



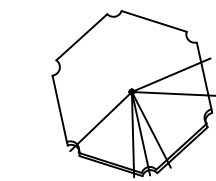
DECIDUOUS SHADE TREE - 4.0"
(Parking Island Tree: Hackberry, Honeylocust, Etc.)



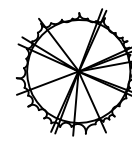
DECIDUOUS STREET TREE - 2.5"
(Honeylocust, Maples, Coffeetree, Elms, Oaks, Etc.)



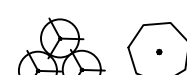
ORNAMENTAL TREE - 2\"/6' cl.
(Serviceberry, Redbud, Flowering Crabs, Tree lilacs, Etc.)



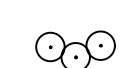
DECIDUOUS STREET TREE - 2.5"
(Upright Form: Frontier Elm & Shawnee Brave Bald Cypress)



EVERGREEN TREE - 6'
(Serbian Spruce, Norway Spruce, Arborvitae, Douglas Fir, Etc.)



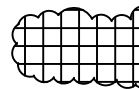
LARGE DECIDUOUS SHRUB



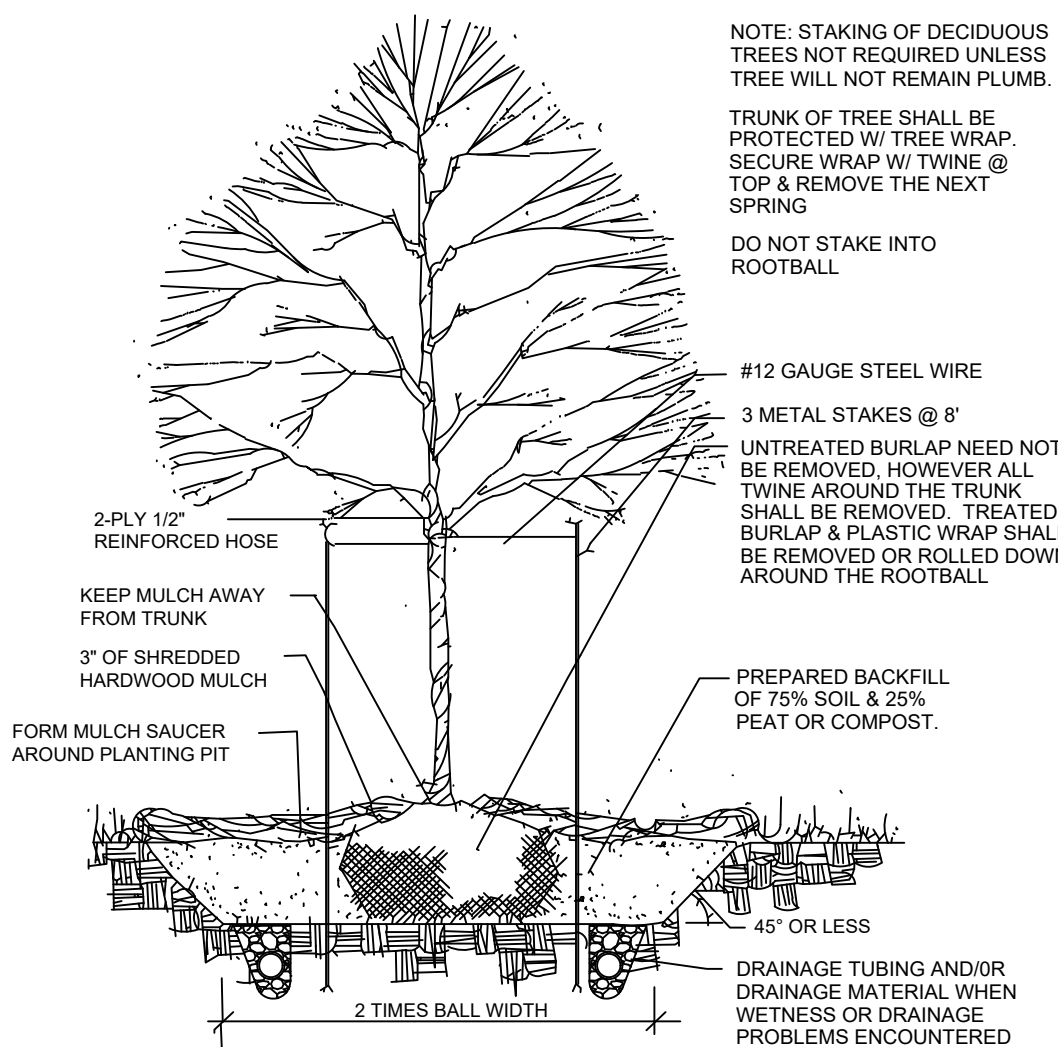
DWARF DECIDUOUS SHRUB



EVERGREEN SHRUB

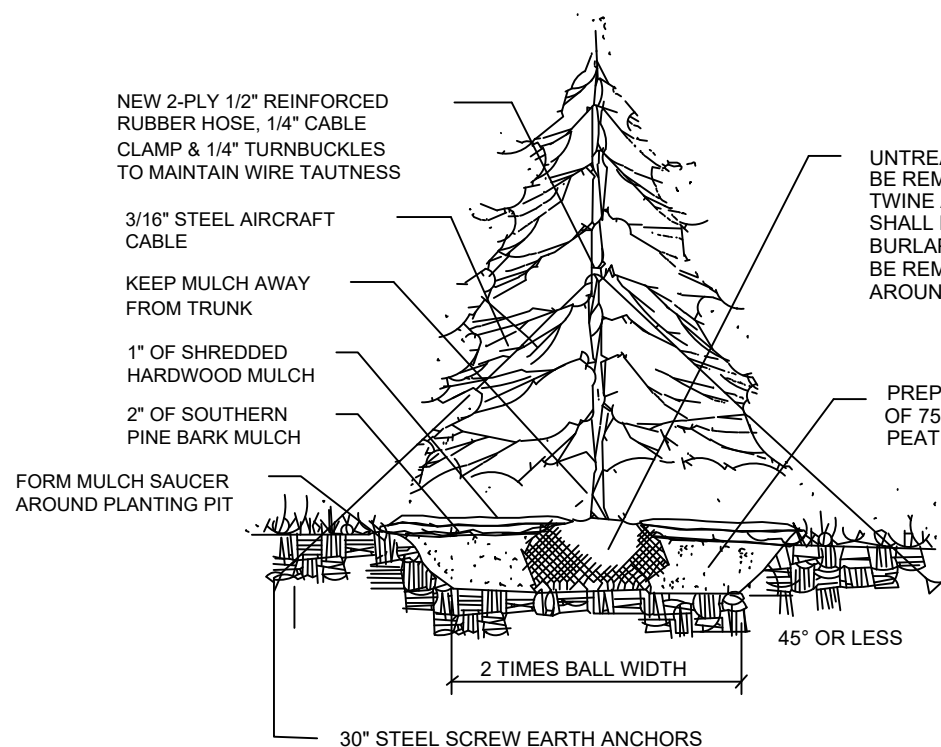


PERENNIALS, GROUNDCOVERS, & ORNAMENTAL GRASSES



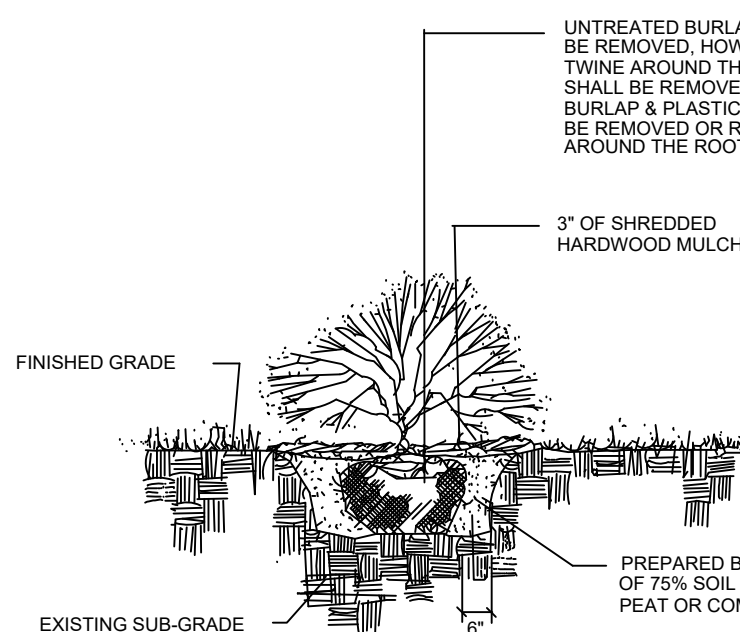
DECIDUOUS TREE

NTS



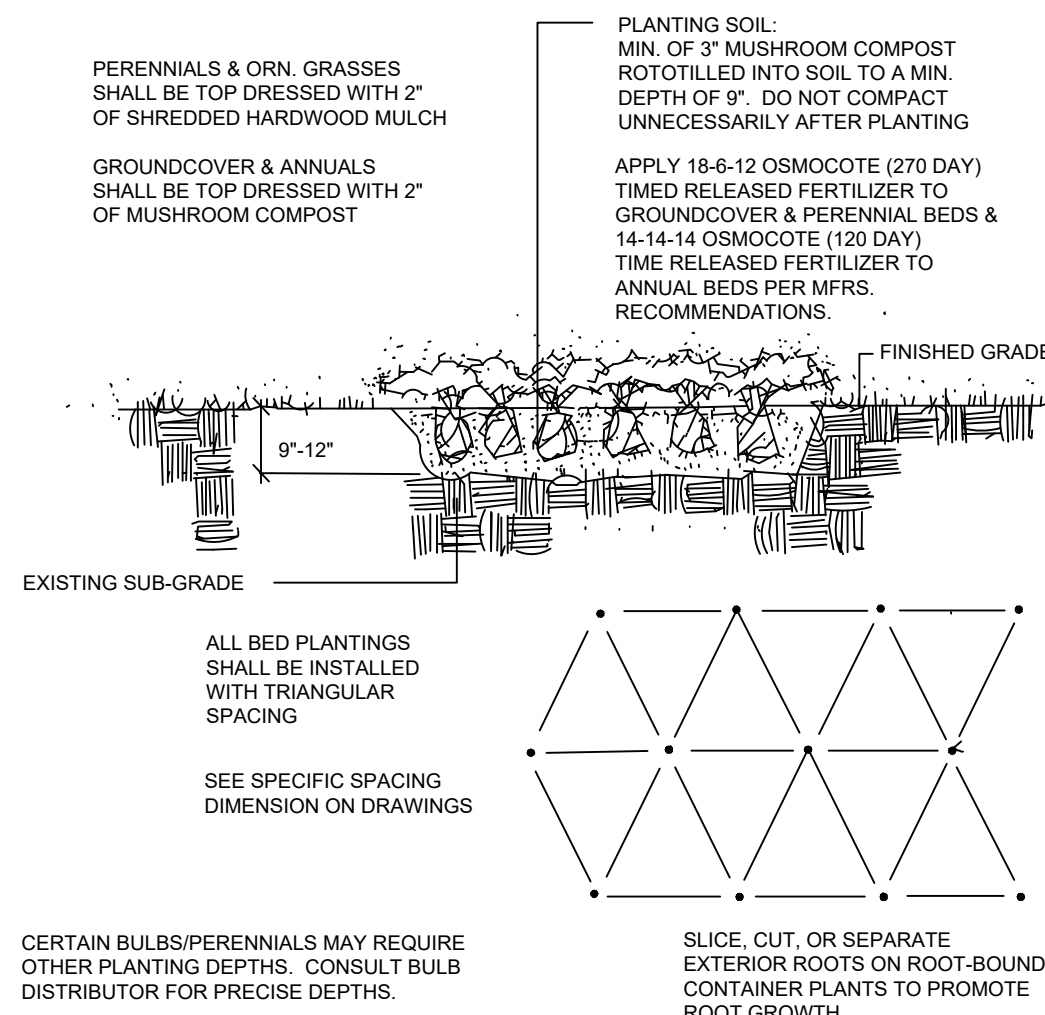
EVERGREEN TREE

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.

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REVISIONS

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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 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, bailing, and burlapping of plants on the plant list shall follow the Code of Standards (200 1-most current edition) by the AMERICAN NURSERY & LANDSCAPE ASSOCIATION, formerly known as the AMERICAN ASSOCIATION OF NURSESYMEN, 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., Skeston, MO, or approved equal. Submit manufacture literature for approval.
- B. Tag 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

Landscapeing 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 from 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., galonbags). 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%
Phosphorus..... 0%
Potash..... 20%
- 2. AFTER SEEDING AND/OR SODDING 26-0-4
Nitrogen..... 26%
Phosphorus..... 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 Excelcor Company)
c. or equivalent
- 2. STRAW/COCONUT BLANKET (if specified)
a. SC-150 Straw/Coconut Blanket (North American Green)
b. AEC Premier Straw/Coconut Blanket (American Excelcor Company)
c. or equivalent

2.5 HYDROMULCH (if specified)

SoilCover Hydraulic Wood Mulch by Profile distributed by ERO-TEK (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 loam 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' Alkali 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 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 18-8-9 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** areas after completion of the required mowing, the Contractor shall apply an 18-5-8 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.

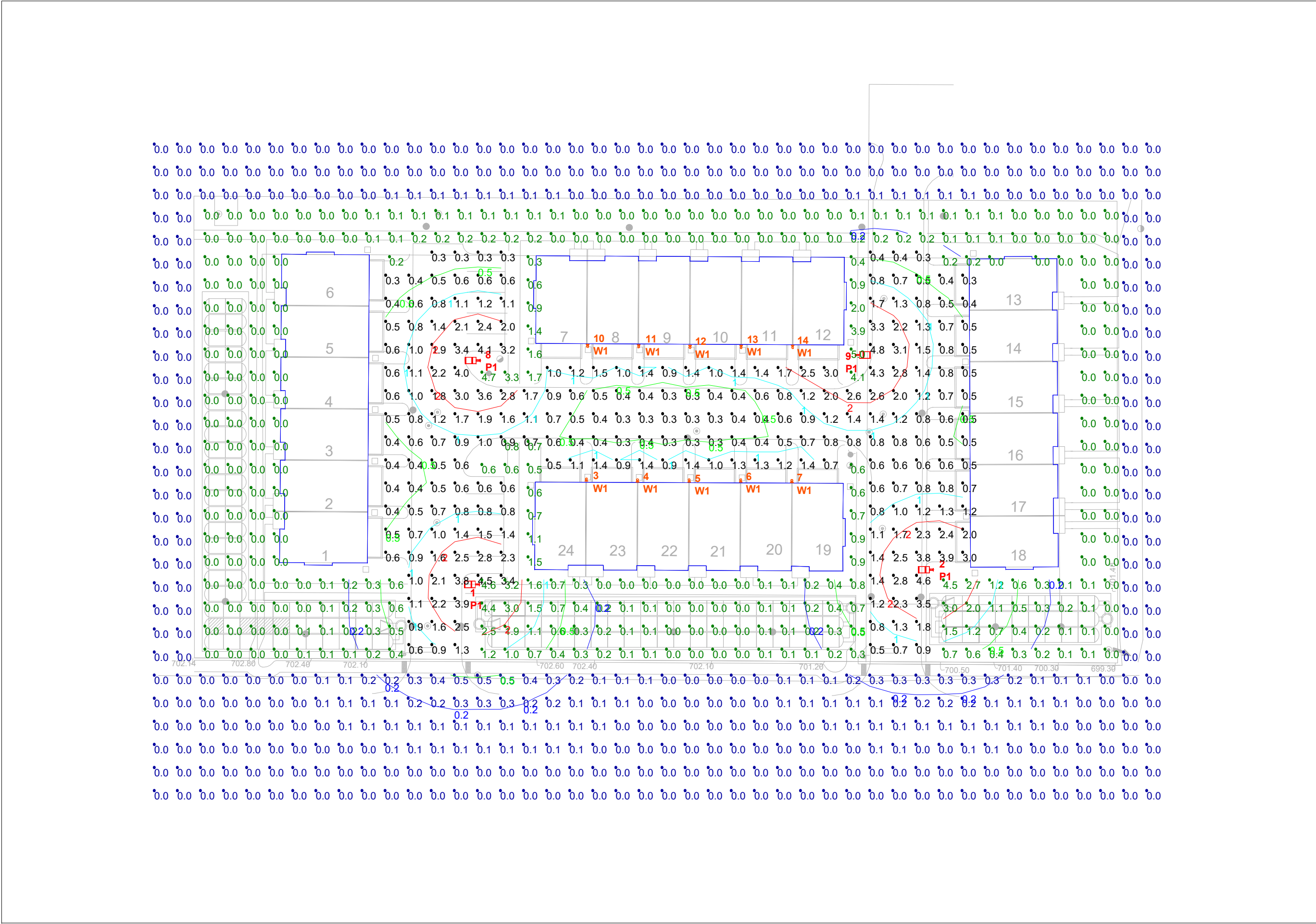
- 3. Once the seed has fully germinated (not just the cover crop) the watering shall be increased to a two (2) inch depth. The soil should be allowed to dry out between waterings and generally every other day watering during this stage is adequate, depending on rainfall.

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

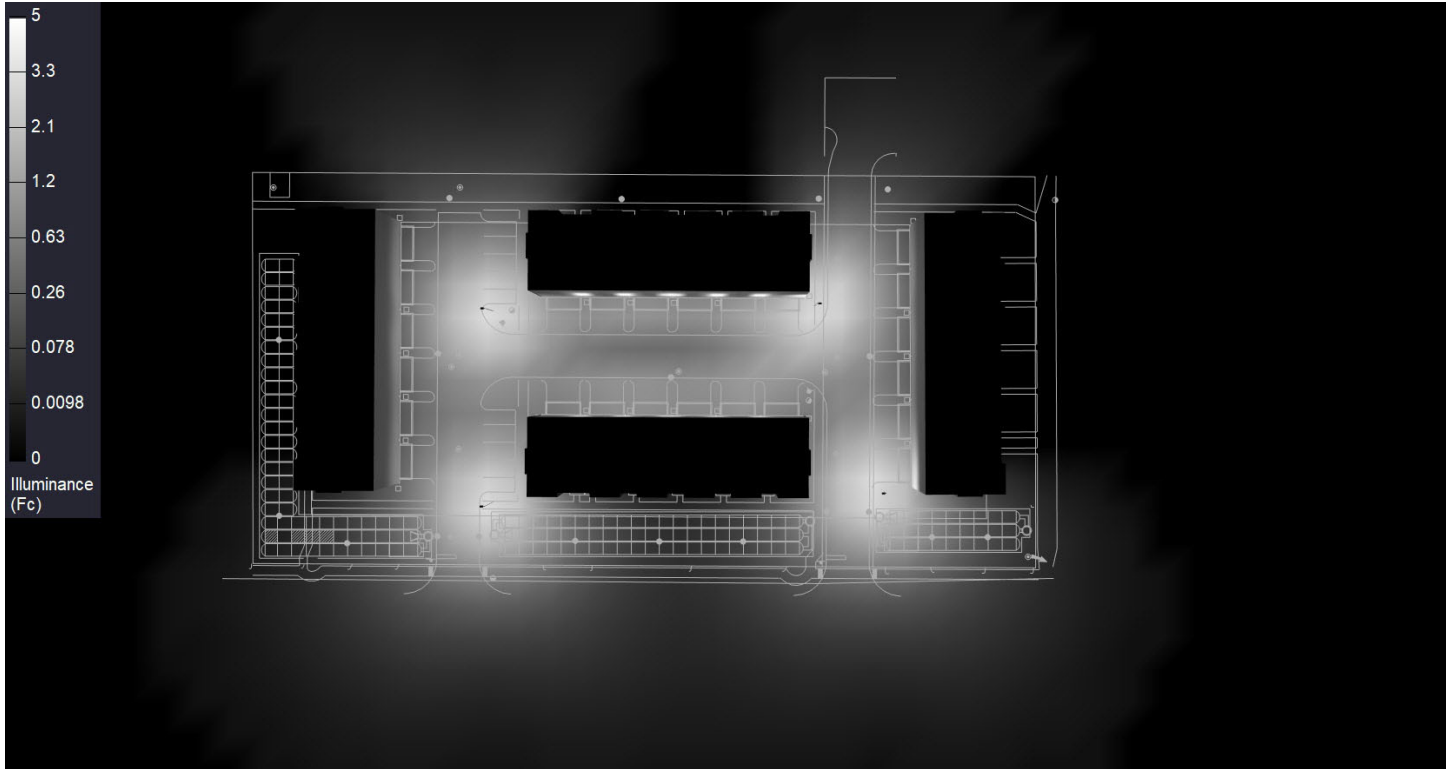
EXHIBIT D
PHOTOMETRIC PLAN



Scale: 1 inch= 40 Ft.

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



- 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 herein 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, E2Layout, 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 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.

The Lighting Analysis, E2Layout, 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.

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Job Name:	Scale: as noted	PROJECT # 237566
	Date: 12/18/2024	CASE # 01500074
	Filename: East County Lane Townhomes 01500074B AGI	
Drawn By: K. Gonzales, LC		

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

RAB®
408 W 14th Street, New York, NY 10014
888 722-1000 • rablighting.com



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 ft²
2 Fixtures at 90°: 0.86 ft²
2 Fixtures at 180°: 1.21 ft²
3 Fixtures at 90°: 1.47 ft²
4 Fixtures at 90°: 1.47 ft²

Technical Specifications (continued)

Effective Projected Area (With Shield):

- 1 Fixture: 0.64 ft²
- 2 Fixtures at 90°: 1.14 ft²
- 2 Fixtures at 180°: 1.28 ft²
- 3 Fixtures at 90°: 1.8 ft²
- 4 Fixtures at 90°: 1.8 ft²

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.

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



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

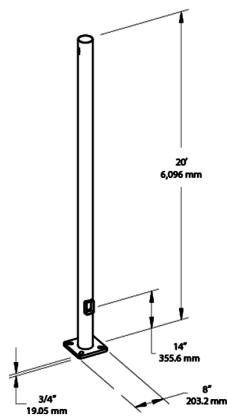
Terms of Sale:

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.

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	4 = 4"	7 = 7	10 = 10'	D2 = Drilled
	TR = Tapered Round	5 = 5"	11 = 11	15 = 15'	WT = Welded Tenon
		6 = 6"		20 = 20'	
		7 = 7"		25 = 25'	
		8 = 8"		30 = 30'	



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		LED Info	
Type	Constant Current	Watts	20W
120V	0.18A	Color	Field Adjustable
208V	0.11A	Temp	3000K/4000K/5000K
240V	0.09A	Color Accuracy	80 CRI
277V	0.08A	L70 Lifespan	100,000 Hours
Input Watts	20W	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

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.

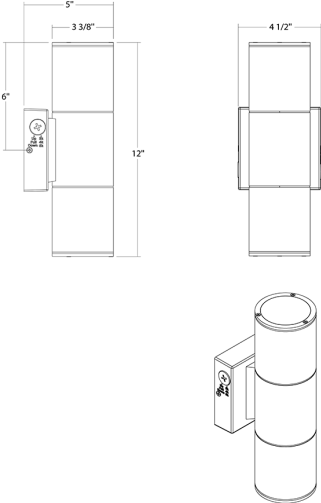
Note:

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.

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

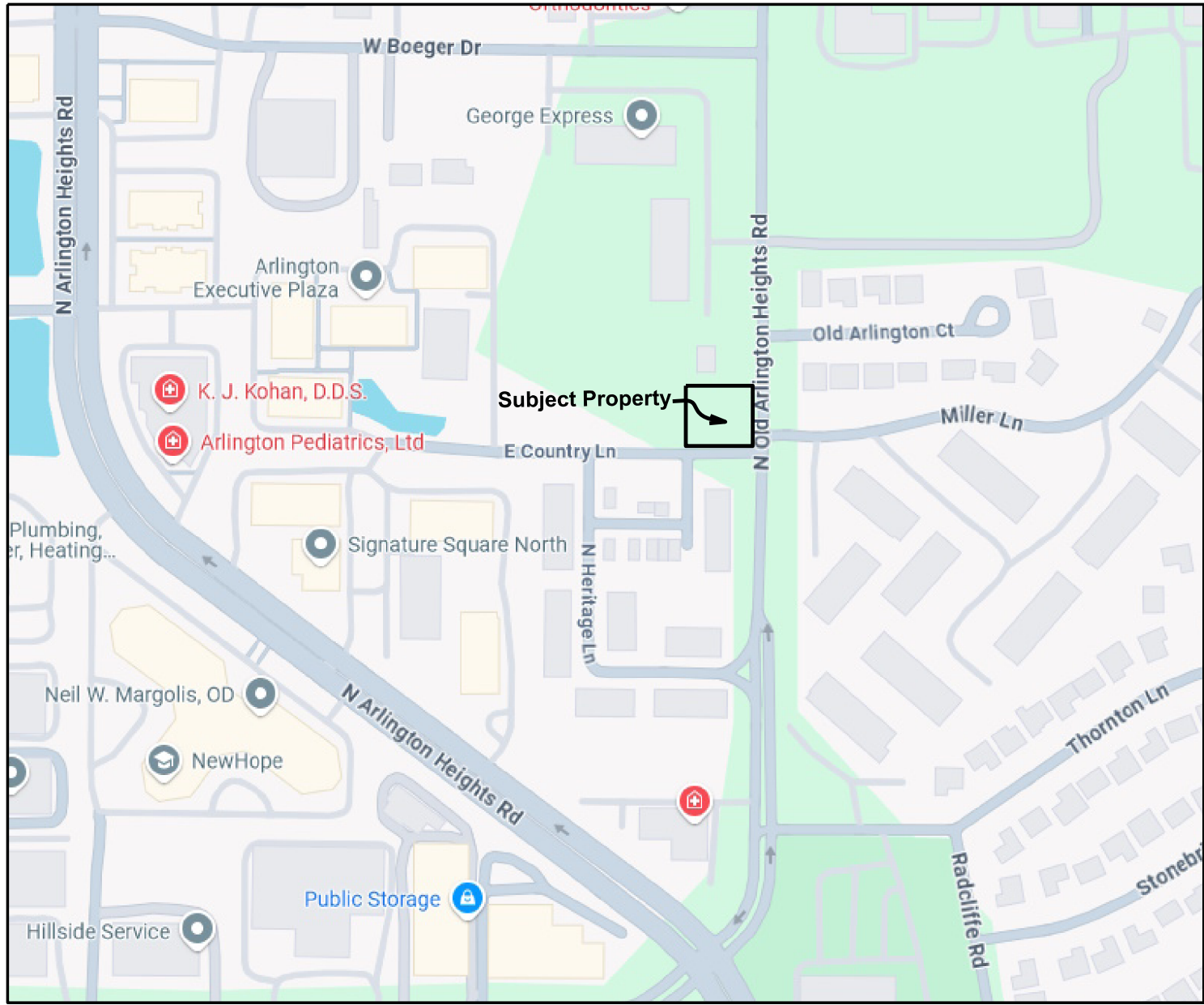
Ordering Matrix									
Family	Size	Mounting	Wattage Distribution	Optic	Color Temp	CRI	Finish	Voltage	Lens
CD34FA	4	W	20	50		8	K		C
	3 = 3" 4 = 4" 6 = 6"	W = Wall Mount	10 = 5W up/5W down (3" only) 20 = 10W up/10W down (4" only) 36 = 18W up/18W down (6" only)	50 = 50° beam ¹ 70 = 70° beam ³	Blank = 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 50° ² 6" models only available in 70°									

EXHIBIT E

PRELIMINARY ENGINEERING PLANS

PRELIMINARY ENGINEERING FOR
EAST COUNTRY LANE TOWNHOMES

LOCATION MAP NORTH



ARLINGTON HEIGHTS, ILLINOIS

LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED	
				SANITARY SEWER
				FORCE MAIN
				STORM SEWER
				P.V.C. STORM SEWER
				COMBINED SEWER
				DRAIN TILE
				WATER MAIN
				TRENCH BACKFILL
				MANHOLE
				CATCH BASIN
				INLET
				2' STORM MANHOLE
				INLET MANHOLE
				FLARED END SECTION
				HEAD WALL
				LIFT STATION
				CLEAN-OUT
				METER VAULT
				VALVE VAULT
				VALVE BOX
				BUFFALO BOX
				FIRE HYDRANT
				CONFLICT
				CROSSING
				TRIPLE BASIN
				GREASE BASIN
				GAS MAIN
				ELECTRIC CABLE
				TELEPHONE CABLE
				FIBER OPTIC CABLE
				CABLE
				STREET LIGHT
				UTILITY POLE
				PEDESTAL
				TRANSFORMER
				GAS VALVE
				ELECTRIC BOX

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

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

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.

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		
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12		



ENGINEER'S
SEAL & SIGNATURE

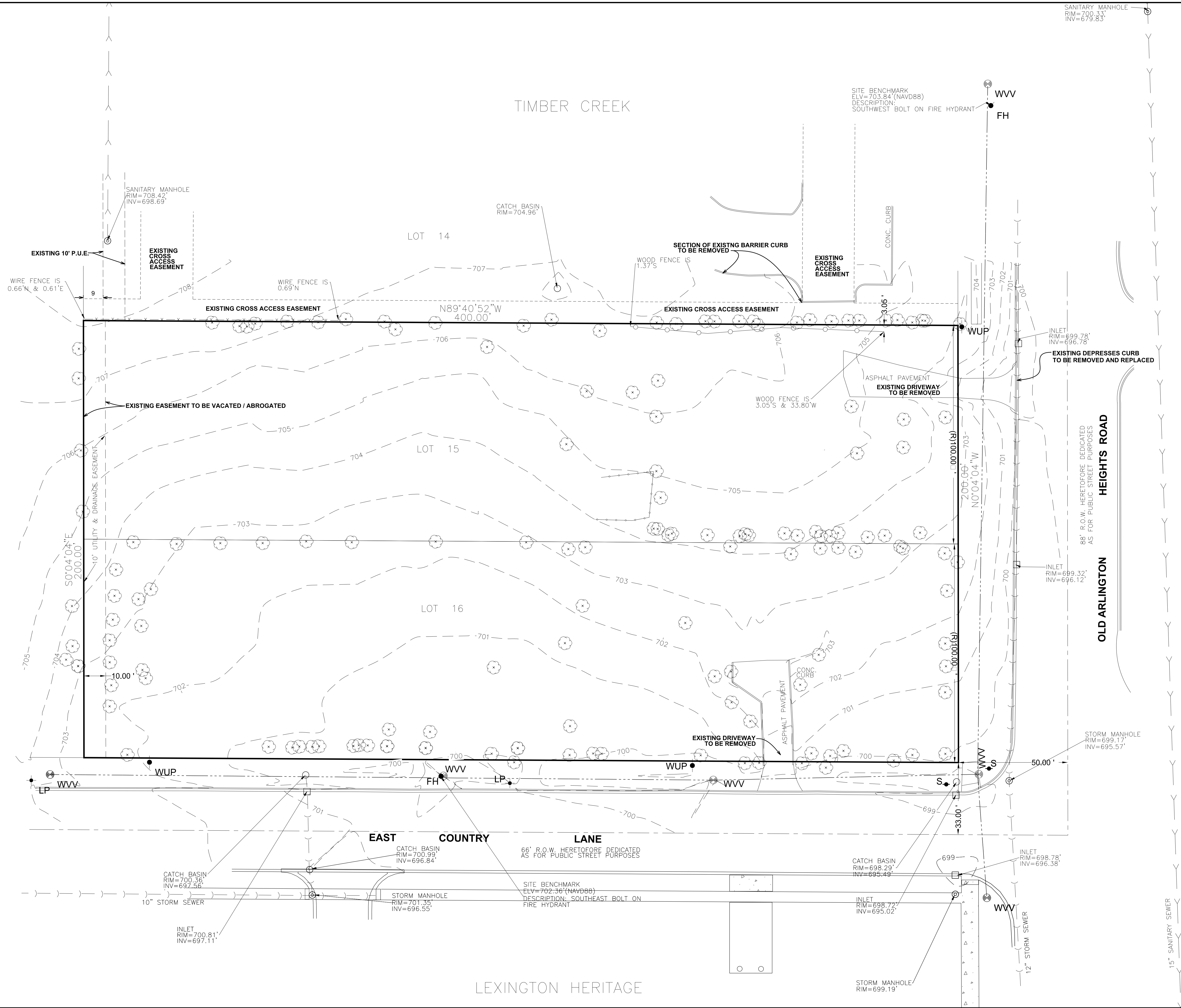
ORIGINAL ISSUE DATE:
09/18/24

SHEET NUMBER

1

OF 5 SHEETS

NOT FOR CONSTRUCTION



NORTH

EAST COUNTRY LANE TOWNHOMES

ARLINGTON HEIGHTS, ILLINOIS

PEARSON, BROWN & ASSOCIATES, INC.

CONSULTING ENGINEERS

1850 W. WINCHESTER ROAD - SUITE 205

LIBERTYVILLE, IL 60088

PHONE: (630) 367-2557

FAX: (630) 367-2557

E-MAIL ADDRESS: pba@pearsonbrown.com

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DESIGNED BY: D.S.H.

DRAWN BY: A.Z.

CHECKED BY: J.F.C.

ORIGINAL ISSUE: 09/19/24

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

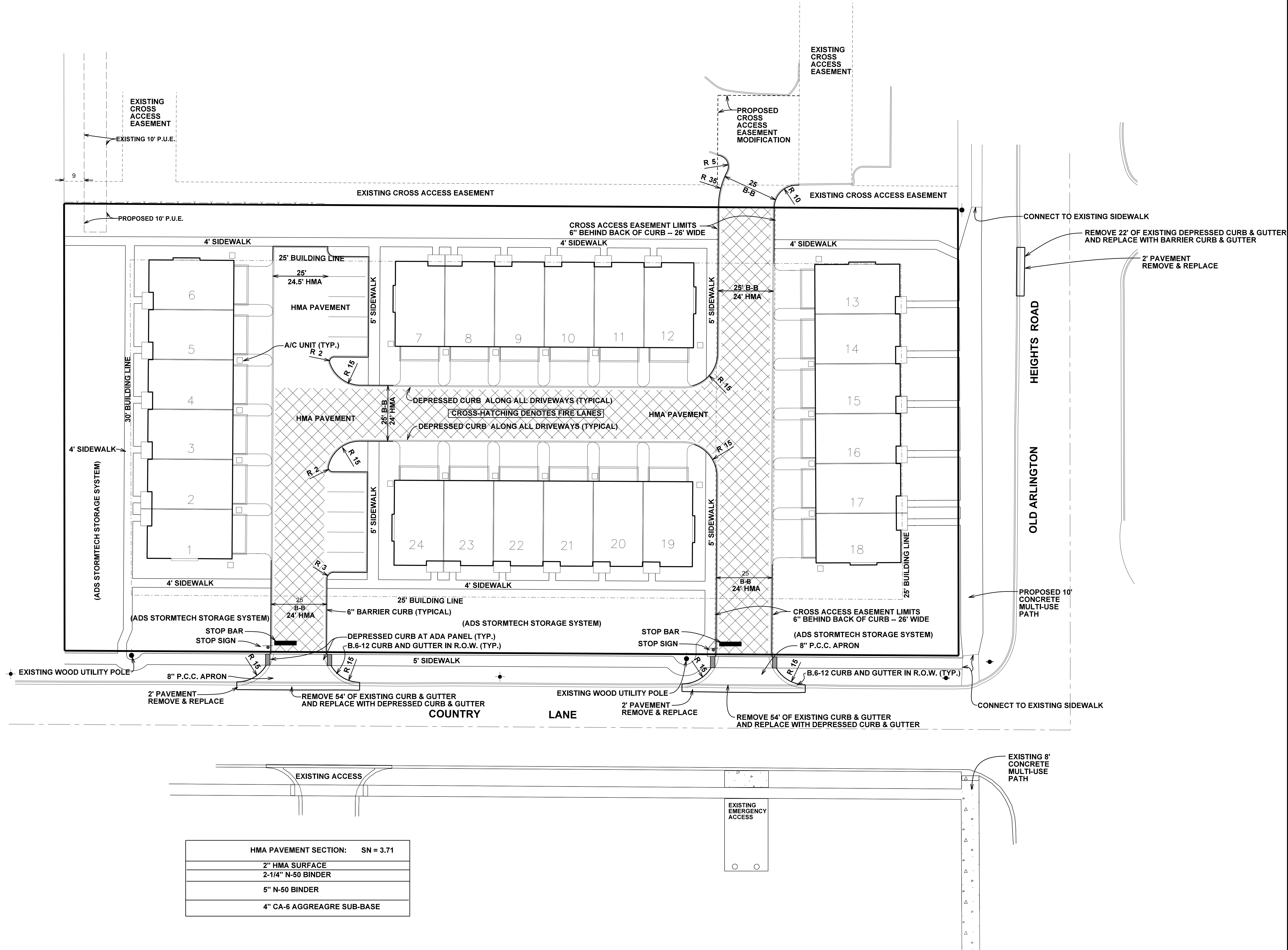
SHEET NUMBER

2

OF 5 SHEETS

JOB No. 24140

Page 459 of 580



NORTH

20' 10' 0' 20'

SCALE: 1" = 20'

EAST COUNTRY LANE TOWNHOMES

PEARSON, BROWN & ASSOCIATES, INC.

CONSULTING ENGINEERS

1850 W. WINCHESTER ROAD - SUITE 205
LIBERTYVILLE, IL 60088
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DESIGNED BY: D.S.H.
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01/24/25	JFC	REVISED PER VILLAGE REVIEW
02/28/25	JFC	REVISED PER VILLAGE REVIEW

GEOMETRIC PLAN

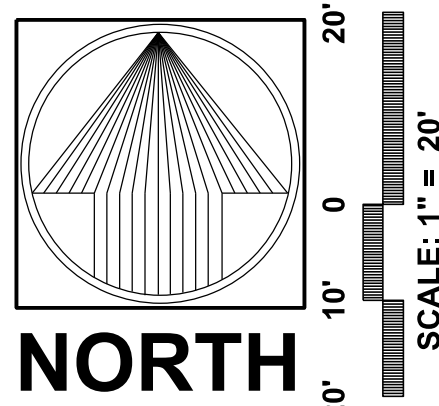
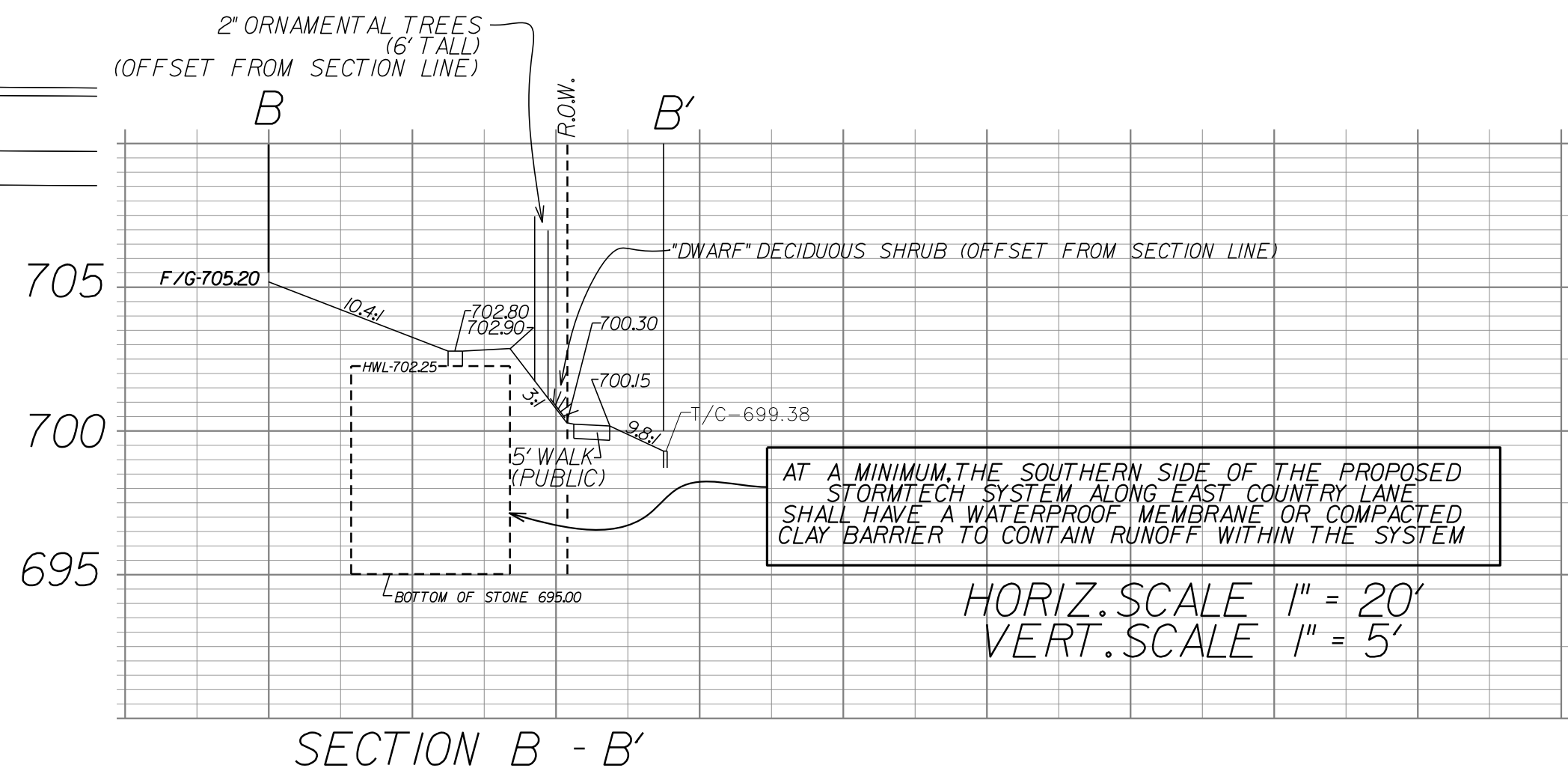
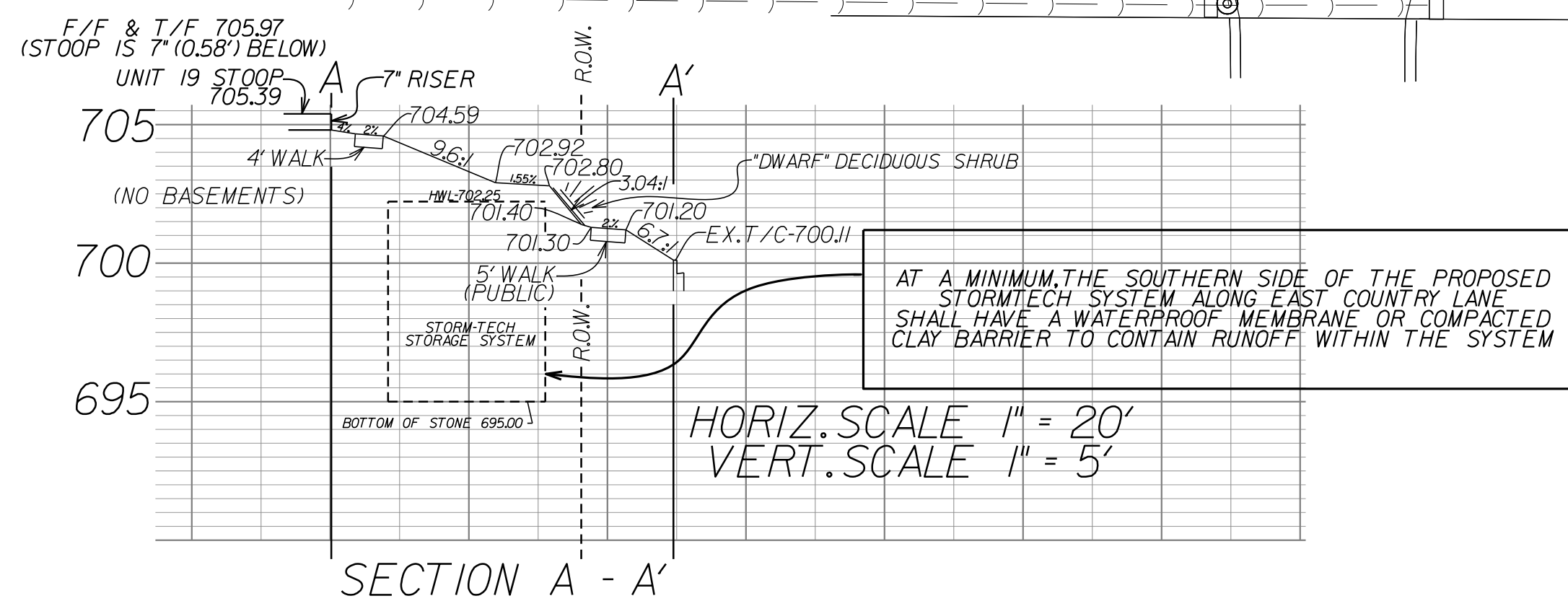
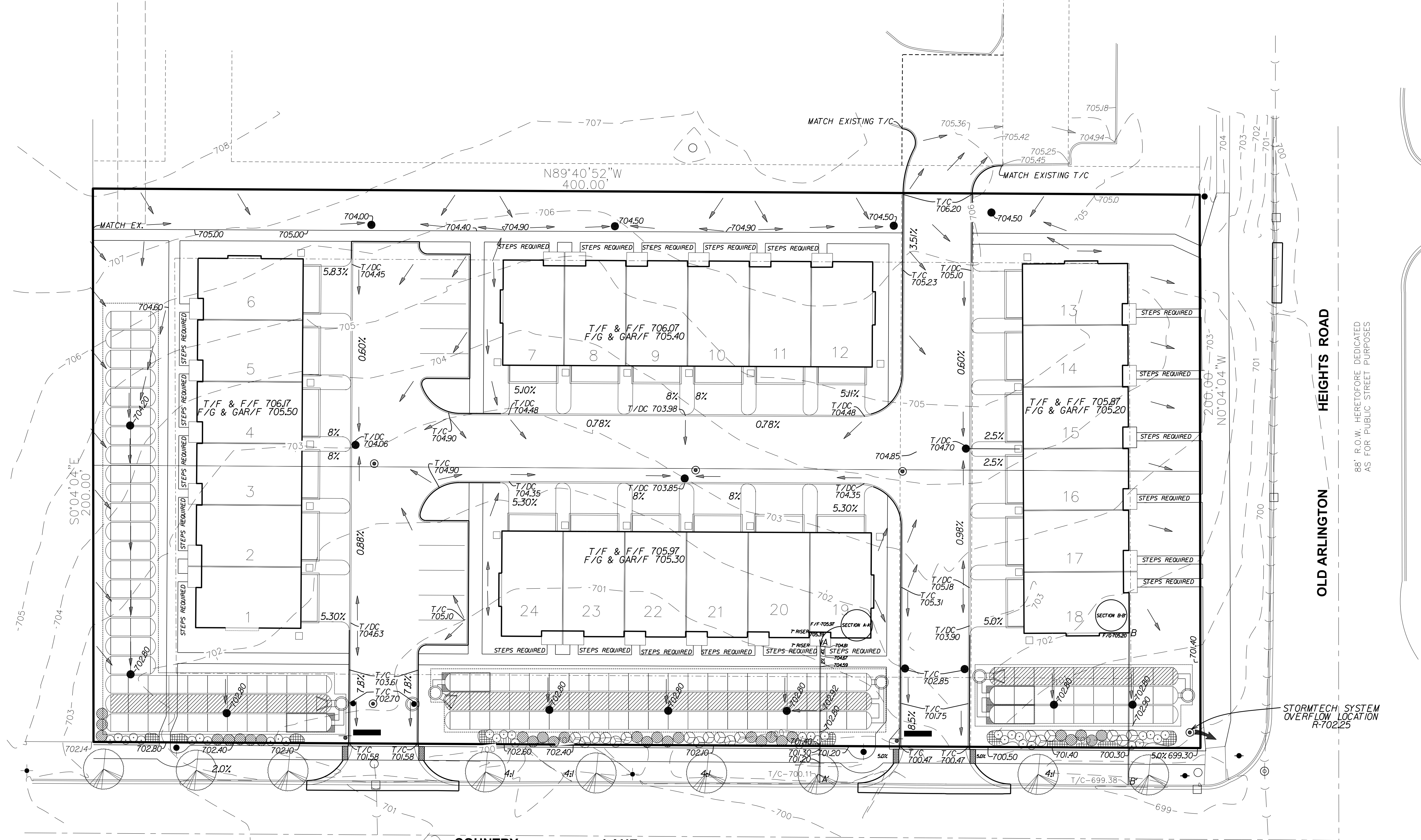
REVISIONS

SHEET NUMBER

3

OF 5 SHEETS

JOB No. 24140



EAST COUNTRY LANE TOWNHOMES
ARLINGTON HEIGHTS, ILLINOIS

PEARSON, BROWN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1850 W. WINCHESTER ROAD - SUITE 205
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CHECKED BY: J.F.C.
ORIGINAL ISSUE: 09/19/24

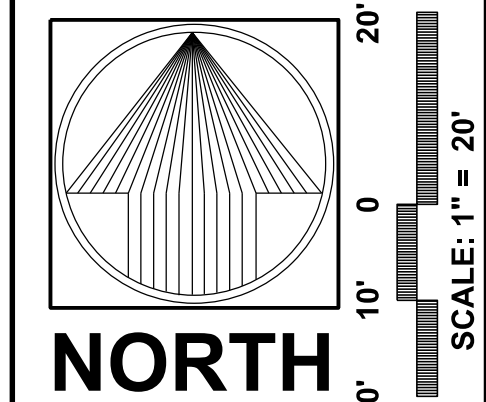
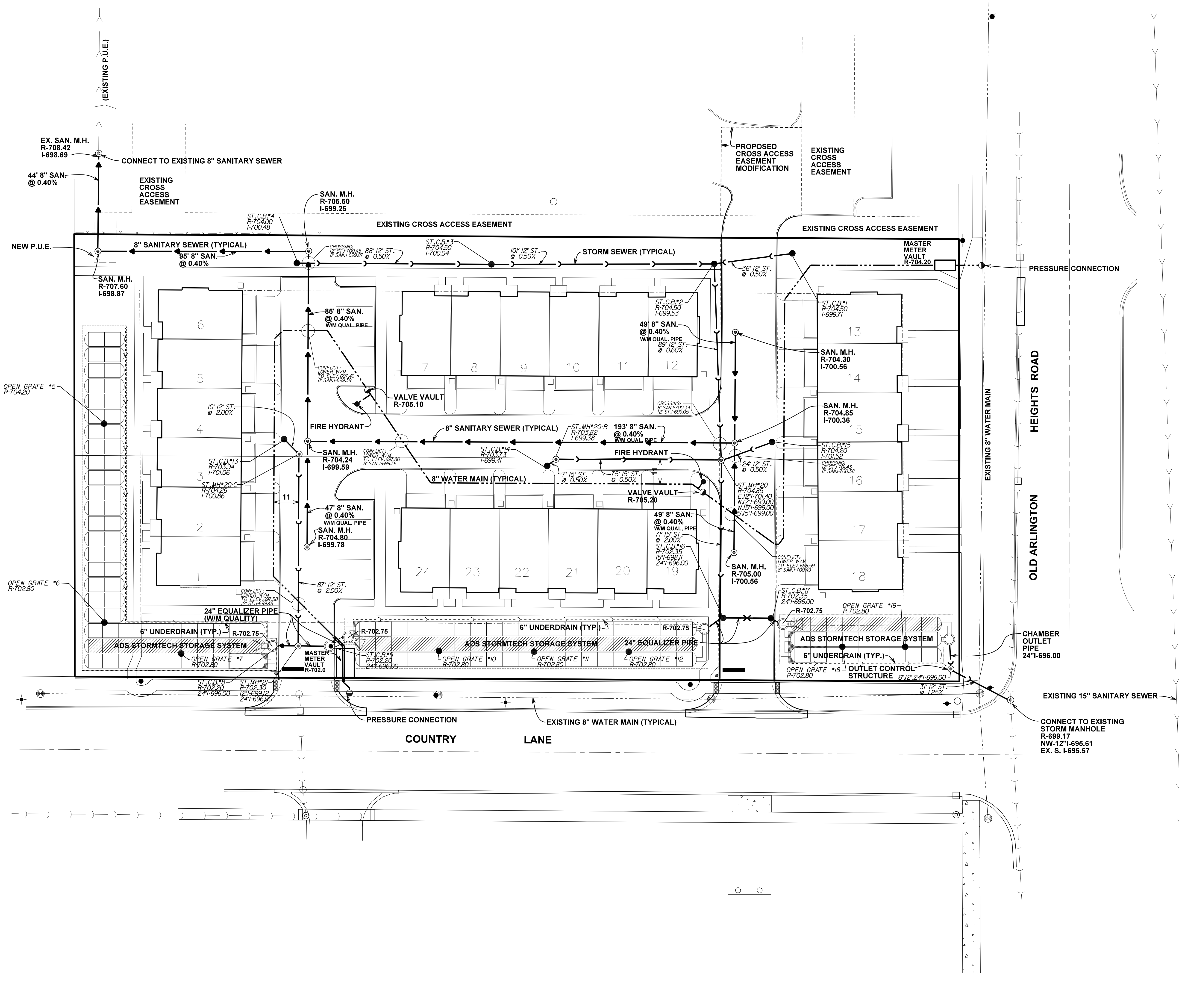
DATE BY	DESCRIPTION
11/07/24 JFC	REVISED PER VILLAGE REVIEW
12/18/24 JFC	REVISED PER VILLAGE REVIEW
01/24/25 JFC	REVISED PER VILLAGE REVIEW
02/28/25 JFC	REVISED PER VILLAGE REVIEW

REVISIONS

GRADING PLAN

SHEET NUMBER
4
OF 5 SHEETS

JOB No. 24140



EAST COUNTRY LANE TOWNHOMES
ARLINGTON HEIGHTS, ILLINOIS

PEARSON, BROWN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1850 W. WINCHESTER ROAD - SUITE 205
LIBERTYVILLE, IL 60088
PHONE: (630) 367-2557
FAX: (630) 367-2557
E-MAIL ADDRESS: pba@pearsonbrown.com

DESIGNED BY: D.S.H.

DRAWN BY: A.Z.

CHECKED BY: J.F.C.

ORIGINAL ISSUE: 09/19/24

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02/28/25	JFC	REVISED PER VILLAGE REVIEW

UTILITY PLAN

REVISIONS

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

705		705
704		704
703		703
702	----- TOP OF STONE ELEVATION 702.25 = HWL -----	702
701	----- TOP OF 45" TALL CHAMBER ELEVATION = 700.75 -----	701
700		700
699		699
698		698
697	----- CHAMBER BOTTOM ELEVATION = 697.00 -----	697
696	----- 6" PERFORATED UNDERDRAIN INVERT = 696.00 -----	696
695	----- BOTTOM OF STONE = 695.00 -----	695

VILLAGE OF ARLINGTON HEIGHTS - IDEAL RESTRICTOR SIZE CALCULATIONS
1.84 AC design area

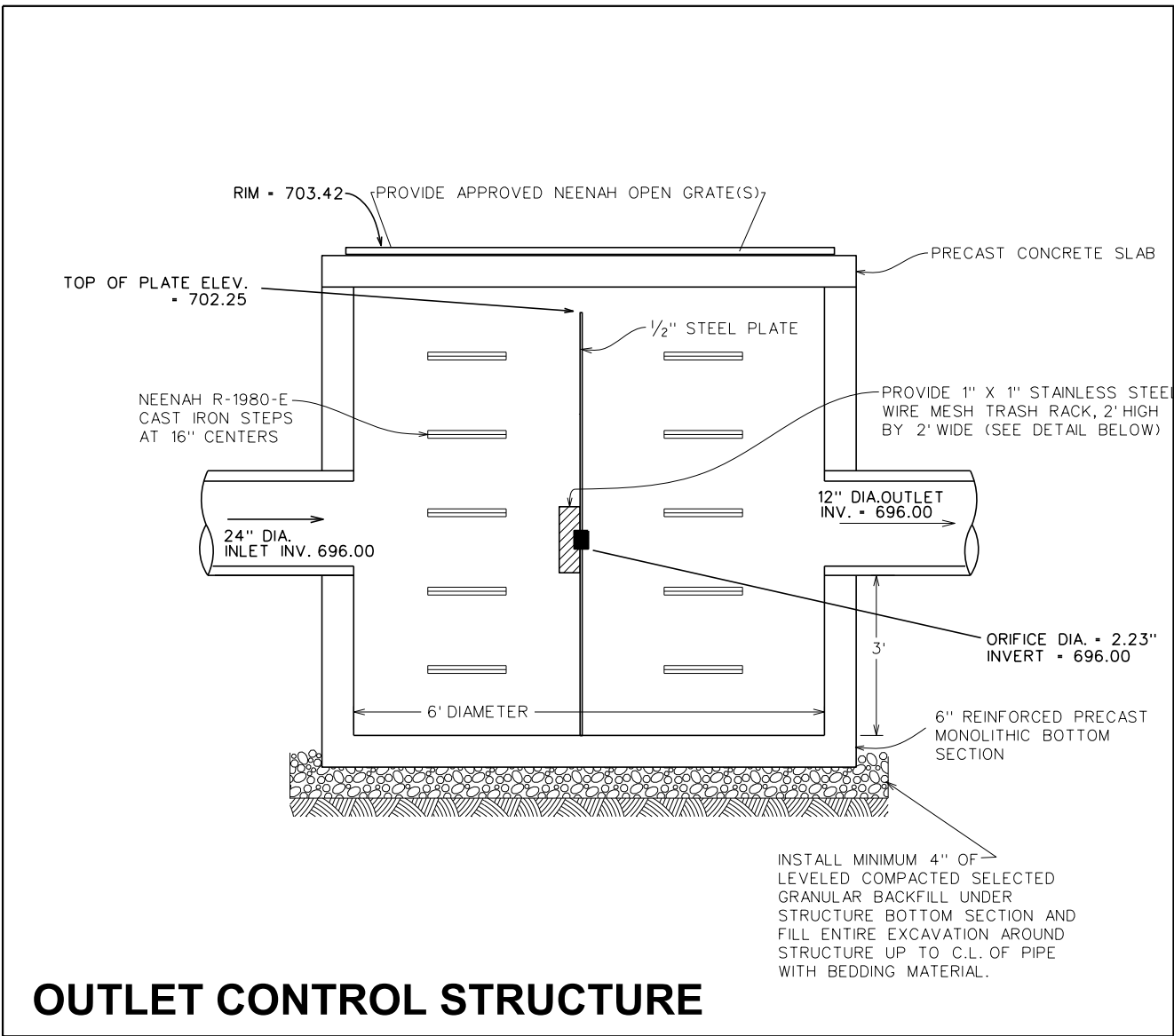
100YR allowable release based on 0.18 cfs/ac >>> 0.331 cfs

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)



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 Runoff Factor "C"	B C Storm Duration		D Updated Rainfall Intensity "I" (in/hr)	E Site Area "A" (acres)	F Inflow Rate (CxlxA) (cfs)	G Release Rate (cfs)	H Storage Rate (cfs)	J K Storage Required	
	(min)	(hrs)						(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

BORINGS	3 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.

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
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
Total	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 30 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:

PER GEO-TECH
REPORT
ESTIMATED
SEASONAL HIGH
GROUND WATER
LEVEL IS OVER 13'
BELOW EXISTING GRADES

EAST COUNTRY LANE TOWNHOMES

PEARSON, BROWN & ASSOCIATES, INC.
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DESIGNED BY: D.S.H.
DRAWN BY: A.Z.
CHECKED BY: J.F.C.
ORIGINAL ISSUE: 09/19/24

DESCRIPTION

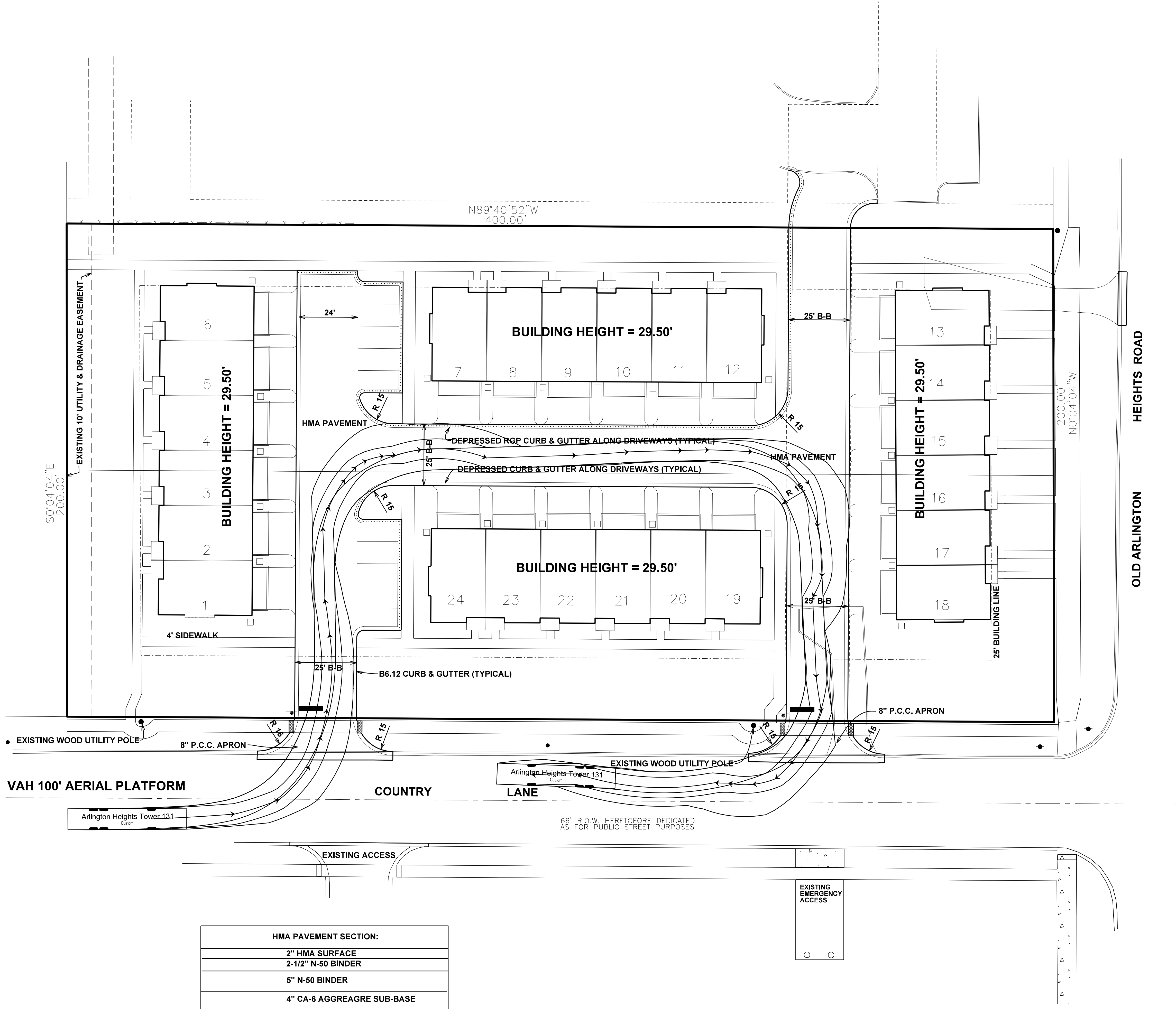
11/07/24	JFC	REVISED PER VILLAGE REVIEW
12/18/24	JFC	REVISED PER VILLAGE REVIEW
01/24/25	JFC	REVISED PER VILLAGE REVIEW
02/28/25	JFC	REVISED PER VILLAGE REVIEW

REVISIONS

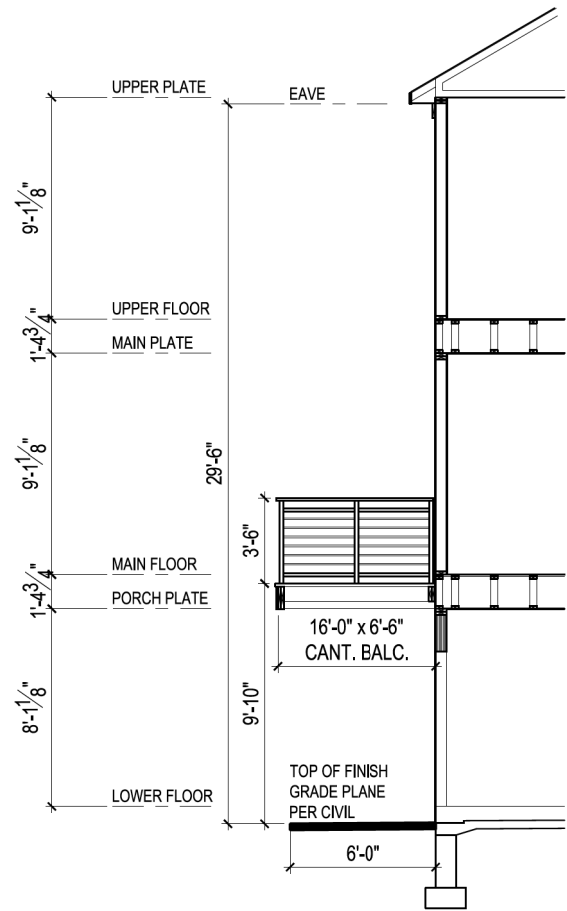
STORMWATER

S1

JOB No. 24140



HMA PAVEMENT SECTION:	
	2" HMA SURFACE
	2-1/2" N-50 BINDER
	5" N-50 BINDER
	4" CA-6 AGGREGATE SUB-BASE



AUTO-TURN

A2

JOB No. 24140

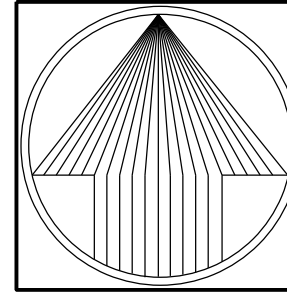
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11/07/24	JFC	REVISED PER VILLAGE REVIEW
12/28/24	JFC	REVISED PER VILLAGE REVIEW

REVISIONS

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ORIGINAL ISSUE:	09/19/24

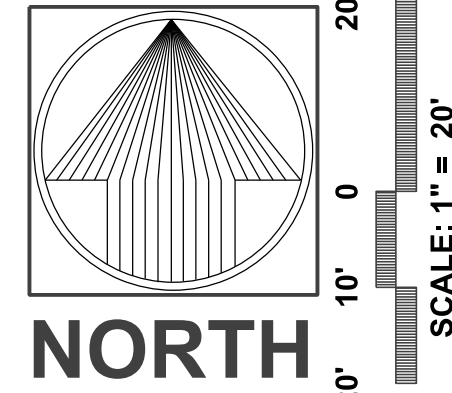


EAST COUNTRY LANE TOWNHOMES
ARLINGTON HEIGHTS, ILLINOIS
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NORTH

SCALE: 1" = 20'



EAST COUNTRY LANE TOWNHOMES

PEARSON, BROWN & ASSOCIATES, INC.
CONSULTING ENGINEERS

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CHECKED BY: J.F.C.
ORIGINAL ISSUE: 09/18/24

[illegible]

REVISIONS

AUTO-TURN

A2

JOB No. 24140

NEW (ADJUSTED)
CROSS-ACCESS
EASEMENT
ON TIMBER COURT
PROPERTY

ACCESS EASEMENT

ACCESS
EASEMENT

ACCESS EASEMENT

PROPOSED 26' WIDE
CROSS ACCESS EASEMENT LIMITS
6" BEHIND BACK OF CURB

25' B-B

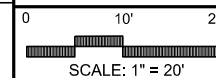
Arlington Heights Tower 131
Custom

Arlington Heights Tower 131
Custom

HEIGHTS ROAD
OLD ARLINGTON



NORTH



TITLE:
CROSS ACCESS EASEMENT AUTO-TURN
VAH 100' AERIAL PLATFORM
PROJECT:
EAST COUNTRY LANE TOWNHOMES
PROJECT NO.: 24140

EXHIBIT

A3

DATE: 12/12/24

NEW (ADJUSTED)
CROSS-ACCESS
EASEMENT
ON TIMBER COURT
PROPERTY

ACCESS EASEMENT

ACCESS
EASEMENT

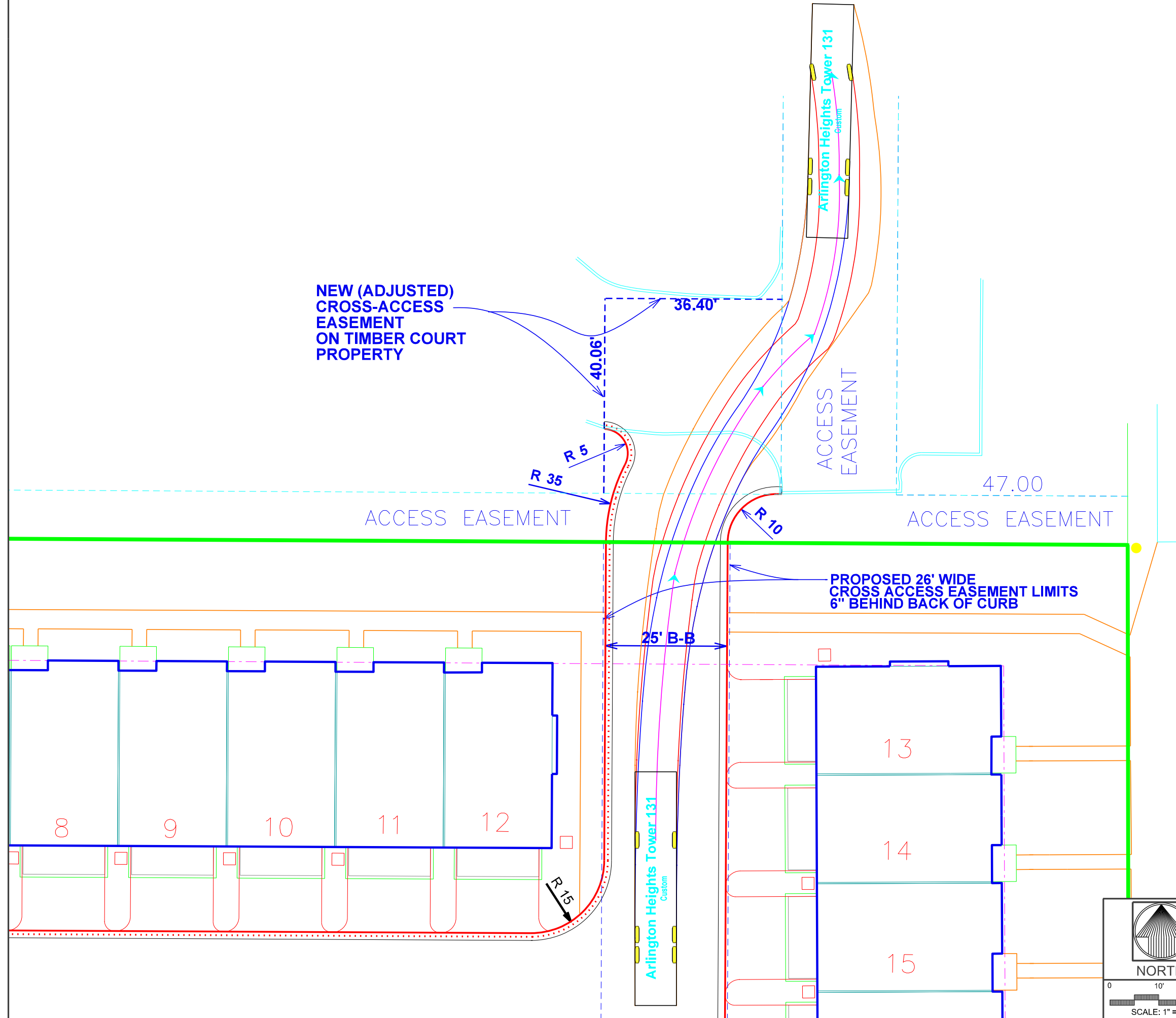
ACCESS EASEMENT

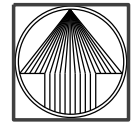
PROPOSED 26' WIDE
CROSS ACCESS EASEMENT LIMITS
6" BEHIND BACK OF CURB

Arlington Heights Tower 131
Custom

Arlington Heights Tower 131
Custom

HEIGHTS ROAD
OLD ARLINGTON




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
DATE: 12/12/24

EXHIBIT
A3
DATE: 12/12/24

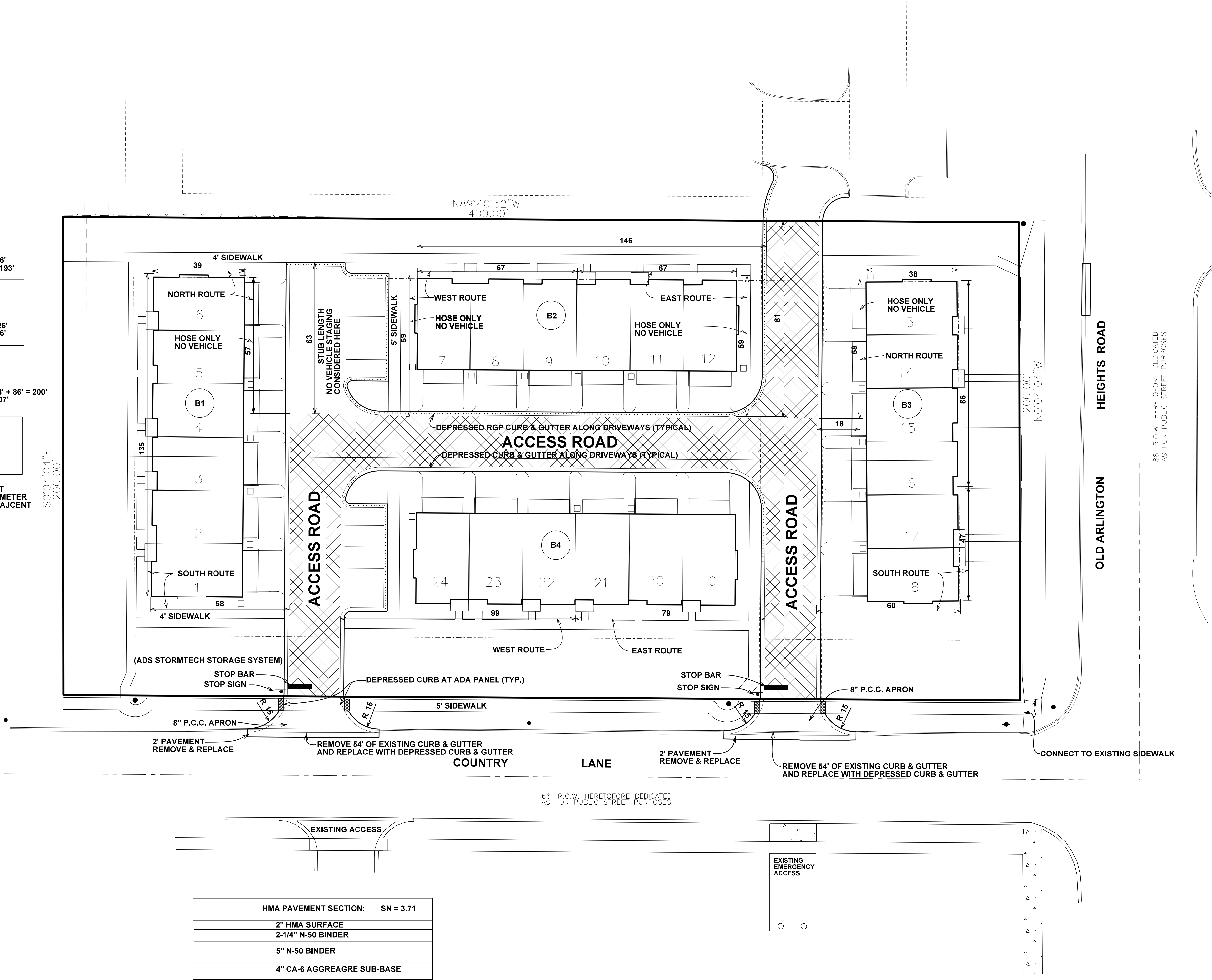
B1
NORTH ROUTE 57' + 39' = 96'
SOUTH ROUTE 58' + 135' = 193'

B2
WEST ROUTE 59' + 67' = 126'
EAST ROUTE 59' + 67' = 126'

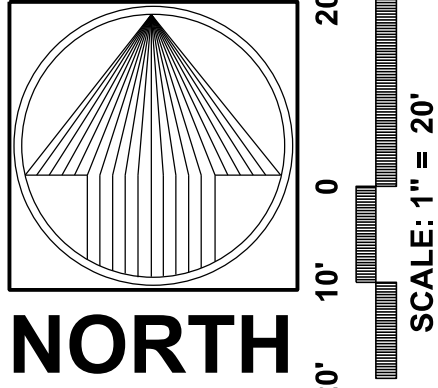
B3
NORTH ROUTE 18' + 58' + 38' + 86' = 200'
SOUTH ROUTE 60' + 47' = 107'

B4
WEST ROUTE 99'
EAST ROUTE 79'

NOTE: DIMENSIONS ARE NOT SHOWN FOR BUILDING PERIMETER SECTIONS IMMEDIATELY ADJACENT 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 AGGREGATE SUB-BASE	



EAST COUNTRY LANE TOWNHOMES
ARLINGTON HEIGHTS, ILLINOIS

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DESIGNED BY: D.S.H.
DRAWN BY: A.Z.
CHECKED BY: J.F.C.
ORIGINAL ISSUE: 12/02/24

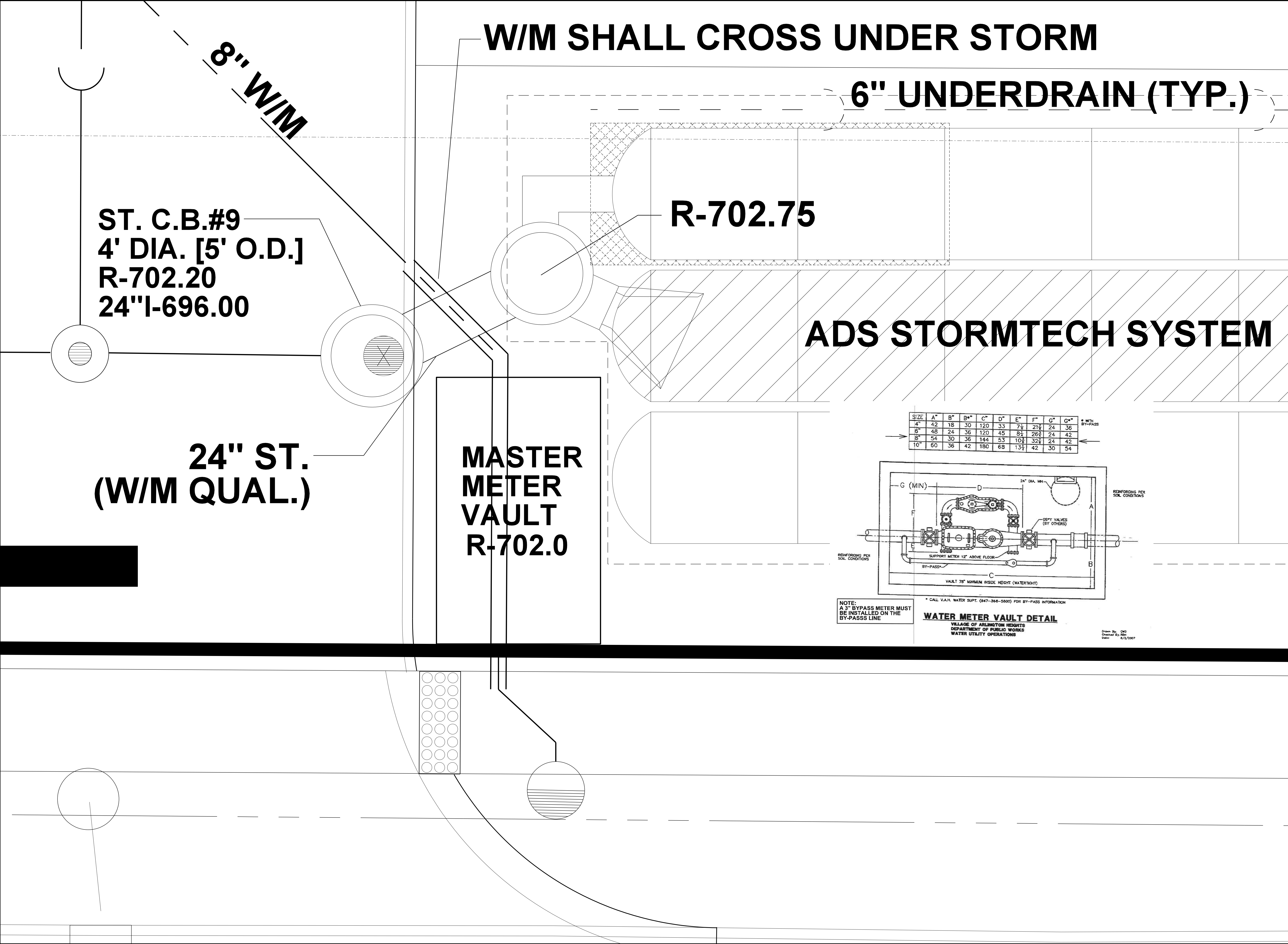
DATE	BY	DESCRIPTION
12/18/24	JFC	REVISED PER VILLAGE REVIEW

HOSE ROUTING EXHIBIT

REVISIONS

H

JOB No. 24140



EAST COUNTRY LANE TOWNHOMES
ARLINGTON HEIGHTS, ILLINOIS

PEARSON, BROWN & ASSOCIATES, INC.
CONSULTING ENGINEERS
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DESIGNED BY: D.S.H.
DRAWN BY: A.Z.
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ORIGINAL ISSUE: 09/19/24

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01/24/25	JFC	REVISED PER VILLAGE REVIEW
02/28/25	JFC	REVISED PER VILLAGE REVIEW

SOUTHERN WATER MAIN MASTER METER VAULT LOCATION DETAIL

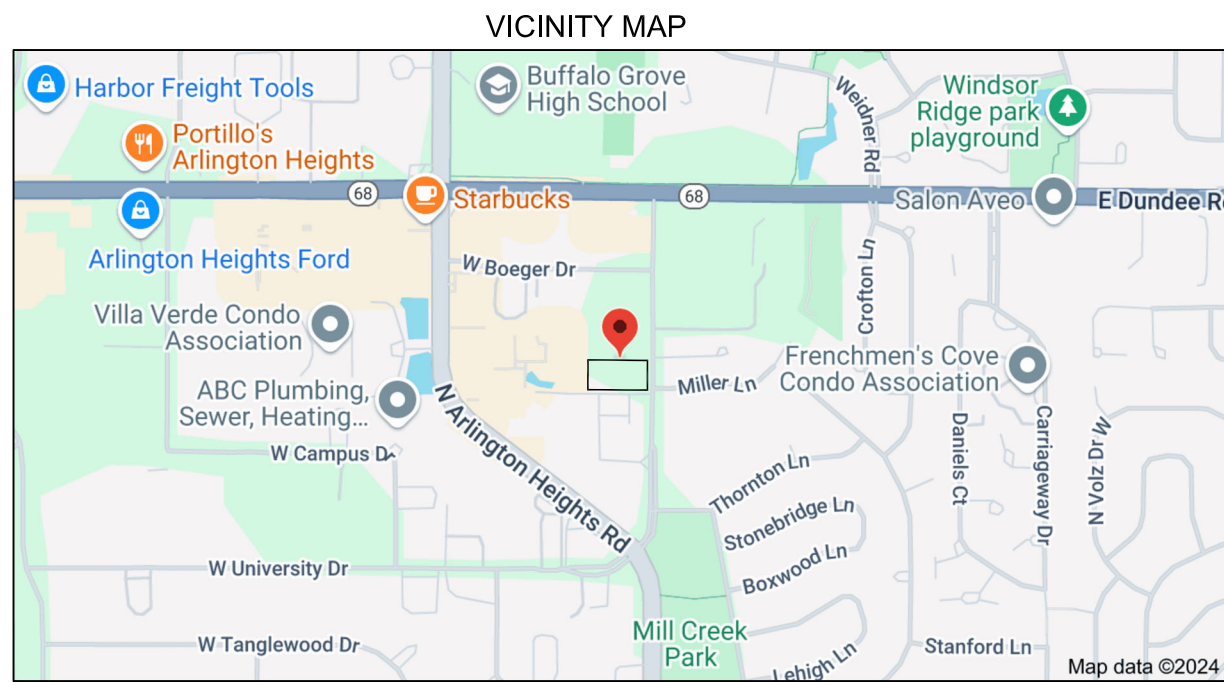
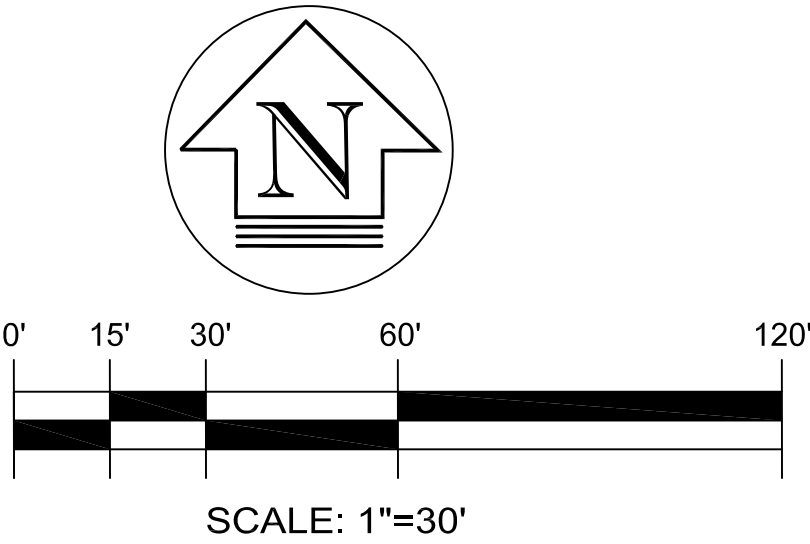
REVISIONS

SHEET NUMBER
C
OF 5 SHEETS

JOB No. 24140

EXHIBIT F

PRELIMINARY PLAT OF SUBDIVISION EAST COUNTRY LANE TOWNHOMES



TOTAL AREA OF LOT 1 IN *EAST COUNTRY LANE TOWNHOMES SUBDIVISION* IS 79,998 SQ. FT. OR 1.836 ACRE MORE OR LESS.

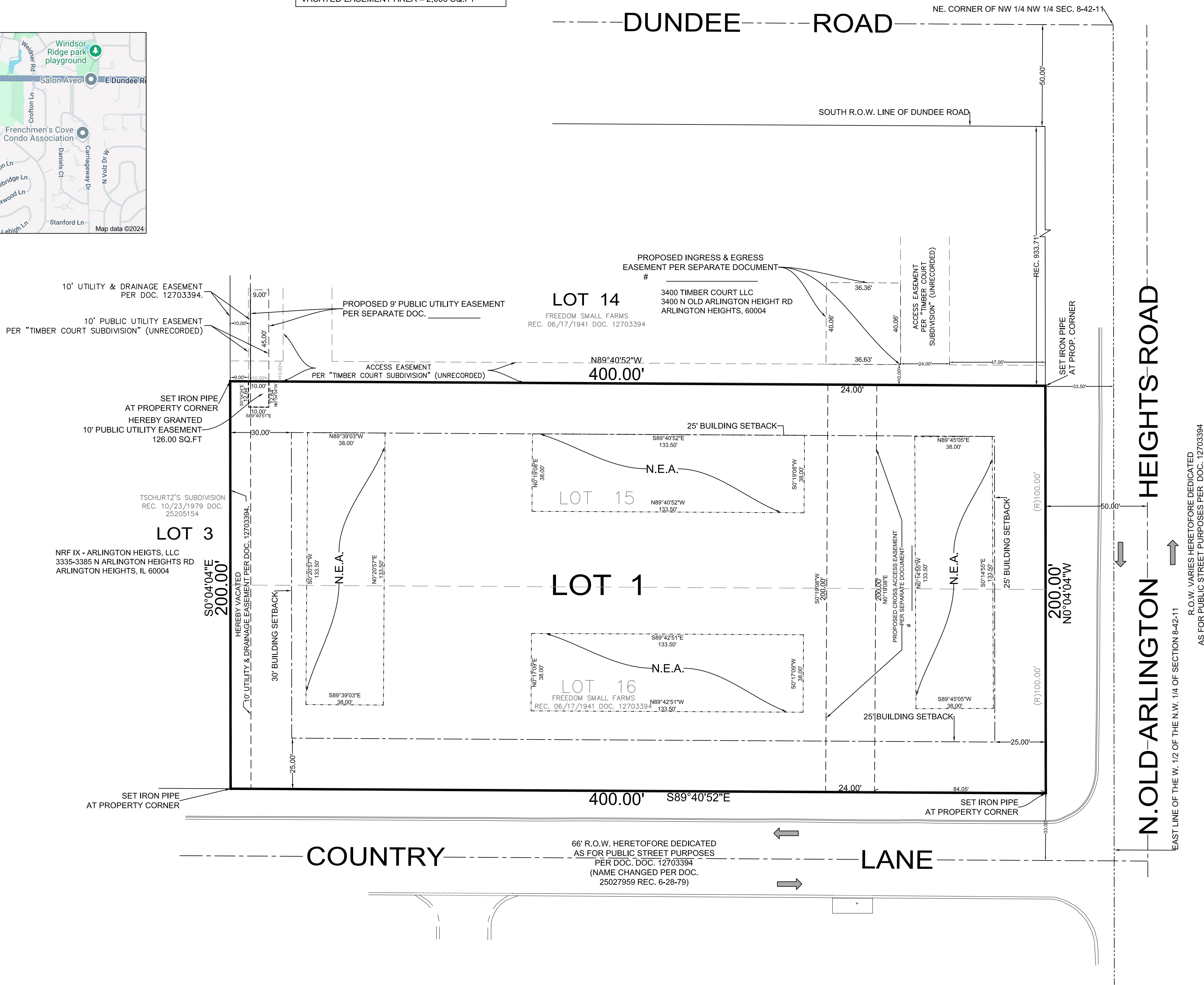
VACATED EASEMENT AREA = 2,000 SQ.FT

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**

COOK COUNTY PERMANENT IDENTIFICATION NUMBERS:
03 - 08 - 100 - 018 - 0000
03 - 08 - 100 - 019 - 0000



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)
COUNTY OF COOK) S.S.

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 42 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 25TH DAY OF FEBRUARY, 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

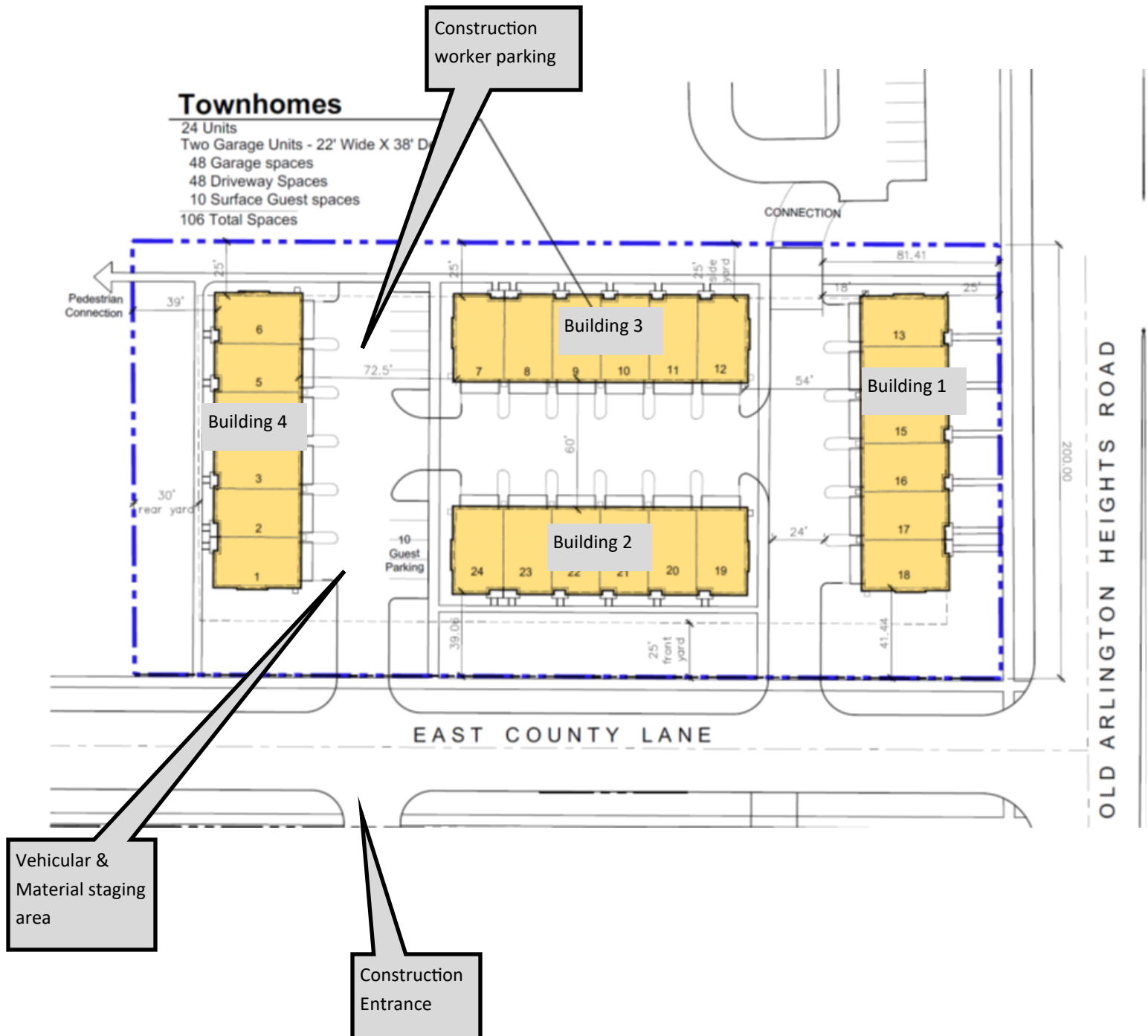


PROJECT No.: 2024-31499-1	PLAT PREPARED FOR & MAIL PLAT TO: SFP ARLINGTON HEIGHTS, LLC 3190 DOOLITTLE NORTHBROOK, IL 60062	PLAT PREPARED BY: UNITED SURVEY SERVICE, LLC CONSTRUCTION AND LAND SURVEYORS 7710 CENTRAL AVENUE, RIVER FOREST, ILLINOIS, 60305 TEL.: (847) 299 - 1010 FAX : (847) 299 - 5887 E-MAIL: USURVEY@USANDCS.COM	NO.	REVISIONS	DATE
ISSUE DATE: 10/9/24			1	REVISED	11-6-24
SCALE: 1"=30'			2	REVISED	12-20-24
			3	REVISED	1-30-25
			4	REVISED	2-25-25
SHEET NUMBER 1 OF 1			5		
			6		

EXHIBIT G
MASTER PLAN

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

EXHIBIT H

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 :	
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%)

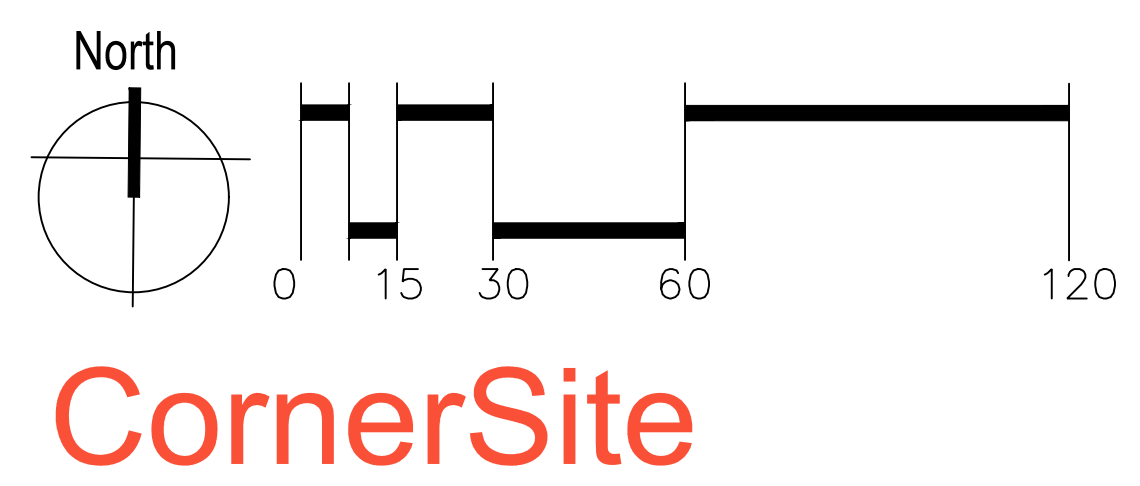


EXHIBIT K

UNCONDITIONAL AGREEMENT AND CONSENT

TO: The Village of Arlington Heights, Illinois (“*Village*”):

WHEREAS, SFP Properties, LLC (“*Applicant*”) is the contract purchaser of those certain properties owned by Chicago Title Land Trust Company (“*Owner*”), consisting of 80,150 square feet, commonly and collectively known as 3310 N. Old Arlington Heights Road, Arlington Heights, Illinois, located in the R-6 Multiple Family Dwelling District (“*Property*”); and

WHEREAS, on April 21, 2025, the Village President and Board of Trustees adopted Ordinance No. 2025-_____, approving a planned unit development and variations for development on the Property (“*Ordinance*”); and

WHEREAS, Section 9 of the Ordinance provides, among other things, that the Ordinance will be of no force or effect unless and until the Owner and the Applicant file, within 30 days following 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;

NOW, THEREFORE, the Owner and the Applicant hereby agree and covenant as follows:

1. The Owner 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 Owner 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 Owner 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 approval of the planned unit development and the variations 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 Owner and the Applicant against damage or injury of any kind and at any time.
4. The Owner and the Applicant 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 approving the planned unit development and the variations for the Property.

[SIGNATURE PAGE FOLLOWS]

Dated: _____, 2025

ATTEST:

OWNER

By: _____

By: _____

Its: _____

Its: _____

ATTEST:

APPLICANT

By:

Its:



VILLAGE OF
ARLINGTON HEIGHTS
— INC. 1887 —

Village Board of Trustees
4/21/2025

Item: Resolution Approving a Preliminary Plat of Subdivision for East Country Lane Townhomes - 3310 N. Old Arlington Heights Rd.

Department: Planning & Community Development

Item Description:

At the April 7, 2025 Village Board meeting, a Preliminary Plat of Subdivision for East Country Lane Townhomes at 3310 N. Old Arlington Heights Road was discussed and approved. The Resolution setting forth the provisions and conditions of approval is attached.

Recommendation

Adoption of a Resolution of a Preliminary Plat of Subdivision for East Country Lane Townhomes at 3310 N. Old Arlington Heights Road.

ATTACHMENTS:

1. Resolution Approving Preliminary Plat of Subdivision - 3310 N. Old Arlington Heights Road

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION APPROVING A PRELIMINARY PLAT
(3310 N. Old Arlington Heights Road)

WHEREAS, SFP Properties, LLC (“*Applicant*”) is the contract purchaser of that certain property commonly known as 3310 N. Old Arlington Heights Road, and legally described in Exhibit A attached to and, by this reference, made a part of this Ordinance (“*Property*”); and

WHEREAS, the Applicant desires to consolidate the Property into a single lot, as depicted on the Preliminary Plat of Subdivision of East Country Lane Townhomes, prepared by United Survey Service, LLC, consisting of one sheet, with a last revision date of February 25, 2025, a copy of which is attached to and, by this reference, made a part of this Resolution as Exhibit B (“*Preliminary Plat*”); and

WHEREAS, pursuant to Section 29-201 of the “Municipal Code of Arlington Heights, Illinois, 1995,” as amended (“*Village Code*”), the Applicant has applied for approval of the Preliminary Plat; and

WHEREAS, pursuant to notice duly published in the *Daily Herald* on January 7, 2025, the Plan Commission conducted a public hearing on January 22, 2025, February 26, 2025, and March 12, 2025, concerning approval of the Preliminary Plat; and

WHEREAS, at the conclusion of the public hearing on March 12, 2025, the Plan Commission made findings and recommendations in support of the Preliminary Plat; and

WHEREAS, having considered the findings and recommendations of the Plan Commission, the President and Board of Trustees have found and determined that it will serve and be in the best interest of the Village and its residents to approve the Preliminary Plat;

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 PRELIMINARY PLAT. The Preliminary Plat for the Property is hereby approved pursuant to Section 29-203 of the Village Code and the home rule powers of the Village.

SECTION 3. SUBMISSION OF FINAL PLAT. Pursuant to and in accordance with Section 29-204 of the Village Code, the adoption of this Resolution authorizes the Applicant to submit a final plat of subdivision for the Property (“*Final Plat*”) to the Board of Trustees. The Final Plat must be submitted by the Applicant for review and approval by the Village no later than 12 months after the effective date of this Resolution, or such extended date as may be approved by the Board of Trustees, in accordance with and pursuant to Section 29-204.c of the Village Code.

SECTION 4. EFFECT OF APPROVALS. Pursuant to Section 29-204 of the Village Code, the approval of the Preliminary Plat for the Property, as set forth in Section 2 of this Resolution, is not to be deemed or interpreted as authorizing or entitling the Applicant to approval of a Final Plat or to any other approval, or to the issuance of any permit, until after all of the standards and procedures for such other approvals or permits have been satisfied. Specifically, and without limitation of the foregoing, the Applicant

may not commence construction on the Property unless and until the Village approves the Final Plat. Further, the Board of Trustees will have no obligation to consider or approve a Final Plat unless and until the Applicant complies with the applicable procedures for review and approval of a final plat of subdivision for the Property, as set forth in the Village Code, and negotiates in good faith, and takes all practicable steps to complete and execute, a reciprocal cross-access easement with the property located adjacent to, and immediately north of, the Property, located at 3400 N. Old Arlington Heights Road and known as the “*Timber Court*” development.

SECTION 5. 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

EXHIBIT A

LEGAL DESCRIPTION OF THE PROPERTY

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 24 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 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.

Commonly known as: 3310 N. Old Arlington Heights Road, Arlington Heights, Illinois

PINs: 03-08-100-018
03-08-100-019

EXHIBIT B

PRELIMINARY PLAT

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

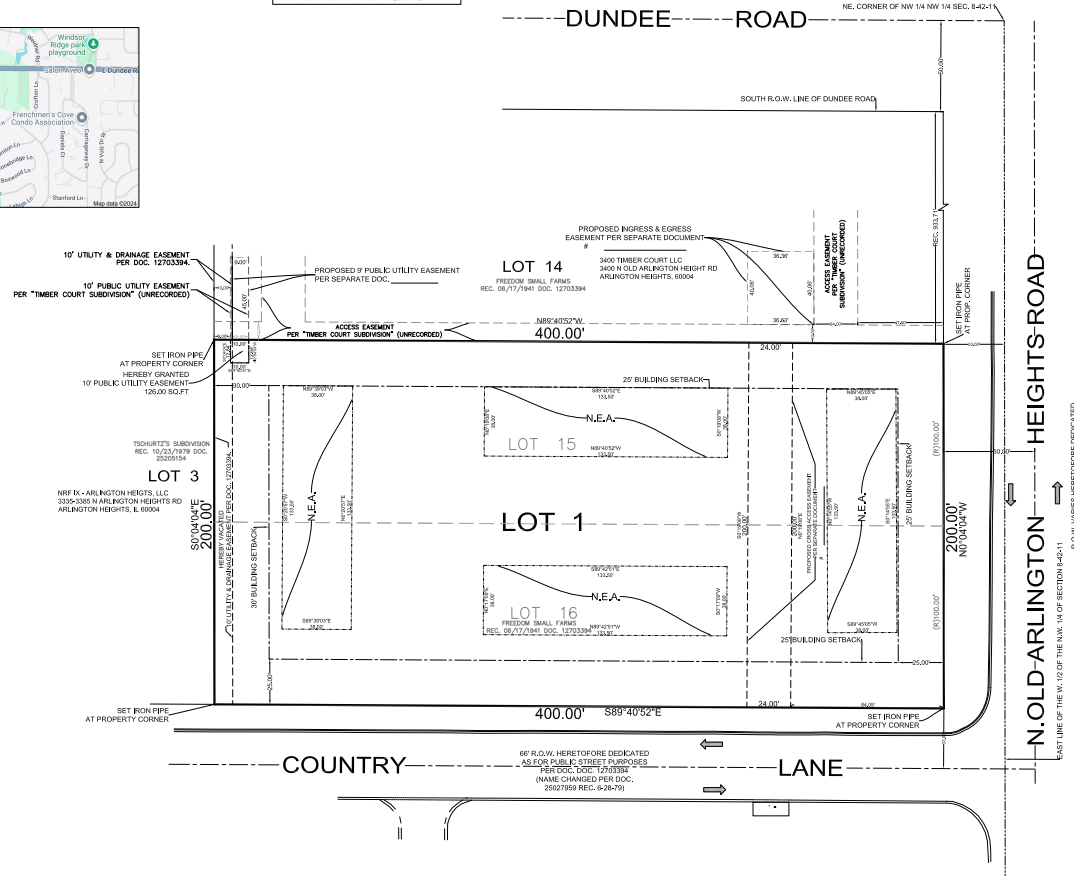
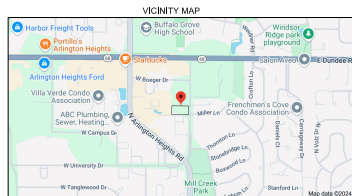
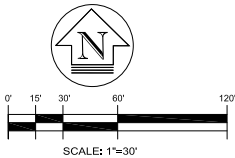
KNOWN AS : 3310 N. ARLINGTON ROAD, ARLINGTON HEIGHTS, ILLINOIS

COOK COUNTY PERMANENT IDENTIFICATION NUMBERS

03-08-100-018-0000
03-08-100-019-0000

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



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)
)
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 PLAN 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 TRULY CERTIFY THAT I HAVE SURVEYED AND SUBMITTED 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 NORTHWEST CORNER OF LOT 15, THENCE SOUTH 89 DEGREES 40 MINUTES 42 SECONDS WEST, A DISTANCE OF 200.00 FEET; THENCE NORTH 89 DEGREES 40 MINUTES 42 SECONDS WEST, A DISTANCE OF 400.00 FEET; THENCE SOUTH 00 DEGREES 40 MINUTES 42 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 25TH DAY OF FEBRUARY, 2025 AT ROCKFORD, 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

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

PROJECT No.: 2024-31499-1	PLAT PREPARED FOR & MAIL PLAT TO: SFP ARLINGTON HEIGHTS, LLC 3190 DOOLITTLE NORTHBROOK, IL 60062
ISSUE DATE: 10/9/24	
SCALE: 1"=30'	
SHEET NUMBER 1 OF 1	

PLAT PREPARED BY:
UNITED SURVEY SERVICE, LLC
CONSTRUCTION AND LAND SURVEYORS
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		
6		





VILLAGE OF
ARLINGTON HEIGHTS
— INC. 1887 —

Village Board of Trustees
4/21/2025

Item: Resolution Approving Class 6B Incentive for NLN Properties
LLC at 543 W. Algonquin Road

Department: Planning & Community Development

Item Description:

BACKGROUND

Dynamo Surfaces is a growing enterprise looking to relocate within Arlington Heights. The parent company of the business, NLN Properties, is requesting Village approval for a Cook County Class 6b Property Tax Classification relative to 543 W. Algonquin Road, consisting of one parcel of property. The 34,200 square foot facility has been completely vacant since January 2022.

Dynamo Surfaces is a wholesaler of granite and quartz surfaces primarily for the kitchen and bath renovation industry. In order for the business to relocate to Arlington Heights and invest in this property, a Class 6b property tax abatement is being requested. The Village's guidelines for Class 6b applicants are based upon employing at least 25 workers, showing financial benefit to the Village, and providing 10% of their property tax savings over the first five years of the incentive towards the Zero Interest Loan program fund.

If approved, the company would employ seven on-site workers in Year One, with plans to add 3-4 full-time employees over the next three years. Additionally, the company would occupy 20,000 square feet of the building, leasing out the remaining 10,000 square feet to a future tenant (the remaining 4,200 square feet currently encompasses a mezzanine space that would be removed). As the business would not be employing 25 workers at the commencement of the incentive period, they are requesting a waiver from this requirement. This is justified by their planned near-term employment growth and the potential to have 25 employees depending on the eventual tenant of the vacant 10,000 square feet.

The applicant anticipates having a positive financial impact on the Village. Currently based in Wood Dale, the relocation of this growing business will see community reinvestment via re-occupancy of an industrial facility that will increase its market value. As a wholesaler, the company also generates local sales taxes. The applicant has stated the additional amount of property tax revenue gained from occupying the site with a Class

6b designation, as opposed to allowing the site to remain vacant, is estimated at approximately \$540,000 over the 12-year life of the abatement. The applicant has signed an agreement to provide the Village with 10% of their property tax savings over the first five years of the incentive period, in order to help fund the Zero Interest Loan program or other economic development initiatives as needed.

The Class 6b incentive would allow for re-occupancy of 30,000 square feet of previously unoccupied industrial space, reducing industrial vacancy while allowing a new business to grow within the Village and create additional employment opportunities. A detailed summary of the request by NLN Properties LLC for a Cook County Class 6b incentive is attached.

RECOMMENDATION

It is recommended that the Village Board of Trustees approve a Resolution supporting the application for a Class 6b tax incentive for NLN Properties LLC for the property located at 543 W. Algonquin Road. This approval is subject to compliance with all Village codes and regulations.

ATTACHMENTS:

1. Application Review Summary - 543 W Algonquin Rd
2. Class 6b Resolution - 543 W Algonquin Rd

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT

This review regards determination of support for a Cook County tax abatement for the property identified as 543 W. Algonquin Road. The outline for the review is as follows:

- I. Item by item review as per Village Procedures and Application Form
- II. Synopsis of application
- III. Correlation of application to Comprehensive Plan
- IV. Correlation of application to zoning
- V. State of economy of industry making application
- VI. Site visit summary
- VII. Site specifics of property requesting abatement
- VIII. Relationship of property tax abatement goals to application
- IX. Relationship of Village guidelines to application
- X. Finance Department review
- XI. Adherence to Zero Interest Loan program requirements
- XII. Department of Planning and Community Development recommendation

This particular approach is being utilized so as to provide ease to Village Administration and Trustees with the review of the application submitted. It is hoped that this method will encourage a realistic understanding of the application and relationship of such to the community and local economy.

I. Review Item by Item of Application

- A) INTRODUCTION: Applicant asserts that computations are to the best of its knowledge based on current value.
- B) PROPERTY DESCRIPTION: Submitted in application packet as Exhibit A.
- C) IDENTIFICATION OF PERSONS HAVING INTEREST IN THE PROPERTY: Submitted in application packet as Exhibit D.
- D) PROPERTY USE: Submitted in application packet as Exhibit E.
- E) TRAFFIC: Applicant anticipates approximately 25 vehicles entering/leaving the site on a daily basis. The unused portion of the building, once re-tenanted, could bring another 10-20 vehicles per day. The site offers 75 parking spaces. Following anticipated employment growth over the incentive period, as well as complete occupancy of the site, the cumulative uses would require just 44 spaces per Code. Therefore, the use meets parking requirements.

- F) EVIDENCE OF NEW CONSTRUCTION: Ownership plans to conduct over \$350,000 worth of improvements to the site. This involves interior demo and construction of walls, installation of an elevator, build-out of two new restrooms, as well as electrical and HVAC repair. Plans in the next couple years include the addition of sustainable features such as LED lighting and low emissivity windows. Submitted as Exhibits E, M, and N.
- G) EMPLOYMENT OPPORTUNITIES: The business will employ seven workers in Year One of operation, with temporary employment due to on-site improvements anticipated to be between 10-20 workers. The company expects to add an additional 2-3 full-time staff over the next three years. Additional employment is expected to be added when a tenant is found for the vacant portion of the building. The applicant will not meet the minimum number of employees (25) upon occupancy of the property, per the application's requirements, and is requesting an exemption from this requirement. Submitted as Exhibit K.
- H) FINANCIAL INFORMATION: Submitted as Exhibit L.
- I) FISCAL EFFECT: Submitted as Exhibit M and N. With abatement, property is anticipated to generate \$1.7 million in property taxes over the 12-year life of incentive. This is \$540,000 more than if the property were to receive vacancy relief during the same period.
- J) OTHER INDUCEMENTS: No other municipal financial aid is being requested by the prospective buyer. Submitted as Exhibit O.
- K) JUSTIFICATION: Sale of property is contingent upon Class 6b approval. Rejection could result in company relocating to another community. Property has been 100% vacant for over three years, and could potentially remain vacant longer. Submitted as Exhibit P.
- L) OTHER DATA: Complete. Provided legal description, aerials, and plat of survey for 543 W. Algonquin Road. Submitted as Exhibits B, C, and O.

II. Synopsis of Application

The applicant wishes to obtain a Cook County Class 6b Property Tax Classification. The Class 6b program is designed to encourage industrial development throughout Cook County by offering a real estate tax incentive for the development of new industrial facilities, rehabilitation of existing industrial structures, and reutilization of abandoned properties. The goal of the incentive is to attract new industry, stimulate expansion and retention of existing industry, and increase employment opportunities.

This is the first request for a Class 6b designation at 543 W. Algonquin Road. The buyer would purchase the entire 34,000 square foot building and demo a 4,000 square foot mezzanine. The buyer's company, Dynamo Surfaces, would occupy 20,000 square feet of space, and lease the remaining 10,000 square feet to another tenant. The buyer does not have a commitment from another user at this time. Approval of the abatement would allow for interior demolition and construction of walls, installation of an elevator, build-out of two new restrooms, as well as electrical and HVAC repair.

Plans in the next couple years include the addition of sustainable features such as LED lighting and low emissivity windows. Additionally, the incentive would help attract a growing business to Arlington Heights that is looking to establish their headquarters in the community. The purchase is contingent upon approval for the incentive.

Under the incentive provided by the Class 6b designation, qualifying industrial real estate would be eligible for the Class 6b level of assessment from the date that new construction or substantial rehabilitation is completed and initially assessed or, in the case of abandoned property, from the date of substantial re-occupancy. Properties receiving a Class 6b designation will be assessed at 10% of market value for the first 10 years, 15% in the 11th year and 20% in the 12th year. This constitutes a substantial reduction in the level of assessment and results in significant tax savings. In the absence of this incentive, industrial real estate would normally be assessed at 25% of its market value.

Currently the industrial/flex availability rate in Arlington Heights is 17.1%, primarily due to 500,000 square feet of spec industrial availability completed in 2023 at Dundee and IL-53. With full re-occupancy of 543 W. Algonquin Road, the availability rate would drop to 16.4% (source: CoStar – April 2025).

Eligibility Requirements

Real estate is eligible for Class 6b status under the following conditions:

1. The real estate is used primarily for "industrial purposes".
2. There is either: (a) new construction, (b) substantial rehabilitation, or (c) substantial re-occupancy of "abandoned" property.
3. An Eligibility Application and supporting documents have been timely filed with the Office of the Assessor according to deadlines as set forth in the "What Must Be Filed" and "Time for Filing" sections.
4. The municipality in which such real estate is located must, by lawful resolution or ordinance, expressly state that it supports and consents to the filing of a Class 6b Application and that it finds Class 6b necessary for development to occur on the subject property.

The applicant wishes to obtain a Cook County Class 6b Property Tax classification. Sarnoff Property Tax filed the original Class 6b application on behalf of the applicant.

III. Correlation of Application to Comprehensive Plan

The General Comprehensive Plan indicates that this property should be research and development, manufacturing, and warehousing.

- | | |
|---------------|-----|
| • Warehousing | 60% |
| • Offices | 40% |

This takes into account approximately 18,000 square feet of warehousing space, as well as an estimated 12,000 square feet of office space.

IV. Correlation of Application to Zoning

The Village of Arlington Heights Zoning Map designates the relevant parcel as an **M-2 Limited Heavy Manufacturing District**. Within this district warehousing, wholesale, and distribution are permitted, as well as light manufacturing/processing and some heavy manufacturing uses.

The proposed use of the planned business within subject site falls under the Zoning Code Permitted Use Table as *Wholesale and Warehouse Facility* which is permitted outright in the M-2 zoning district.

Employees of Dynamo Surfaces will work within 20,000 square feet of a 30,000 total square foot building (once demo of a 4,000 square foot mezzanine is complete). The remaining 10,000 square feet are anticipated to be occupied by another tenant in the near future and are built-out for office space. The site currently provides a total of 75 parking spaces. Based upon anticipated employment and use of building spaces, the site would have a surplus of 31 parking spaces. The following chart details the proposed parking scenario at 543 W. Algonquin Road, taking into consideration planned employment growth:

Use/Business	Code Use	Square Feet	Parking Standard	Employees	Vehicles	Parking Req.
Office – Dynamo Surfaces	Professional Office	2,000	1 space/300 SF	6	N/A	7
Warehouse – Dynamo Surfaces	Warehouse/ Wholesale	18,000	0.5 spaces/employee; 1 space/comm vehicle	4	2	4
Additional Office Space	Professional Office	10,000	1 space/300 SF	Unknown	N/A	33
		30,000		SPACES REQUIRED		44
				SPACES AVAILABLE		75
				SURPLUS/(DEFICIT)		31

Incorporating projected growth, as well as planned complete occupancy of the building, there is adequate parking available to accommodate, per Code, the companies' employees and vehicles.

V. State of Economy of Industry Making Application

Dynamo Surfaces is a Wood Dale-based importer and wholesaler of granite and quartz products, primarily use for kitchen and bath fixtures. The parent company of Dynamo Surfaces intends to purchase the property at 543 W. Algonquin Road in order to relocate the business and establish a headquarters within Arlington Heights.

The Village guidelines suggest that the applicant have a minimum employment threshold of 25 employees. Dynamo Surfaces would only employ seven at the time of occupancy, with plans to add 3-4 more employees over the next three years. Therefore, this request does not meet the minimum threshold for number of employees, and the applicant is requesting an exemption from this requirement. (Note: upon re-tenanting of the remaining 10,000 square feet of building space, the on-site employment count may well exceed 25 workers at that time.

The company anticipates having a positive financial impact on the community as well. Over the 12-year life of the incentive, the applicant estimates that the property will generate over \$540,000 more in property taxes with the Class 6b designation than if it were to obtain vacancy relief for the same time period. Additionally, as a wholesaler, the company generates sales taxes as well. Based upon estimates of taxable sales, the company could generate between \$20,000-\$50,000 in annual local sales taxes.

The intent of the Class 6b program is to facilitate industrial occupancy as quickly as possible. Bringing in new workers garners residual spending, which is something that a vacant building would not provide. Even with the abatement, the applicant still expects the property to generate approximately \$1.7 million in total property tax revenue from 2025-2036.

VI. Site Visit Summary

Planning and Community Development Department staff met with ownership of Dynamo Surfaces at their current Wood Dale location, as well as the proposed site at 543 W. Algonquin Road on April 1, 2025. The applicant identified and verified improvements needed, per their application, which would be enabled by a Class 6b designation.

VII. Site Specifics of Property Requesting Abatement

The building at 543 W. Algonquin Road is approximately 34,500 square feet. The owner is applying for a Class 6b property tax abatement that would allow for the tenant to purchase the property and complete a minimum \$350,000 in improvements. The site specifics are provided below:

- A. The buyer is a business that would like to relocate to Arlington Heights in order to expand its production and employment base within the Village.
- B. The purchase of the property is contingent upon receiving the abatement and, according to the buyer, would not be economically feasible without the incentive.
- C. Plans in the next couple years include the addition of sustainable features such as LED lighting and low emissivity windows.
- D. The owner would be paying an estimated \$7.57 per square foot in property taxes without a Class 6b designation. A similar property in DuPage County would pay an estimated \$3.14 per square foot.

By definition, "The purpose of the M-2 district is to provide adequate space in appropriate locations for manufacturing and other activities. This district should be accessible to major railroads and arterial streets designated on the Village Official Map or Village Comprehensive Plan Map. Residential and retail uses are prohibited. Performance Standards protect residential areas by restricting objectionable manufacturing activities such as noise, vibration, smoke, dust, odors, heat, glare, fire hazards, and other objectionable influences."

As a wholesale distributor of quartz and granite, this business meets M-2 zoning requirements. Further, they comply with the mission of the Class 6b designation which is that businesses and facilities meet "industrial purposes" and that there is substantial rehabilitation as well as substantial re-occupancy of "abandoned" property.

VIII. Relationship of Property Tax Abatement Goals to Application

The intent of the County Assessor's property tax incentive program is to encourage new industrial and commercial development, and reinvestment, within the County. Reacting to slowed development in the commercial and industrial sectors, the Assessor recognized that property tax rates in Cook County were higher than those of neighboring counties, which were seeing gains in the previously mentioned sectors. The Class 6b Property Tax Abatement program demonstrates an ongoing desire by Cook County officials to maintain their commercial and industrial competitiveness with the rest of the Chicago metro region.

In this instance, the abatement would allow for a growing company to purchase and invest in a facility within the Village that has been vacant for over three years, while occupying 20,000 square feet and offering an additional 10,000 square feet to another prospective business. The economic impact would be shown in employment growth, an increase in local consumer spending, an increase in property value of the site, and additional sales tax revenue generated.

IX. Relationship of Village Guidelines to Application

The Class 6b incentive renewal provides a 10% assessment level for the first 10 years, 15% in the 11th year and 20% in the 12th year. This constitutes a substantial reduction in the level of assessment and results in significant tax savings. In the absence of this incentive, industrial real estate would normally be assessed at 25% of its market value. This provision requires that the applicant be a manufacturing or warehousing operation and may include high technology land uses. This incentive is available throughout Cook County, but requires municipal approval prior to County officials granting the abatement. Further, localities may adopt guidelines of their own. These specifications may place restrictions such as minimum number of employees or square feet of operation.

The Village of Arlington Heights initiated its own guidelines in May 1990, and have revised them multiple times since. The current guidelines require:

1. The application fee shall have been paid.
2. The application form shall have been completed with attachments.
3. The business must be a manufacturing, industrial, research, warehousing, or fabricating firm for an excess of 50% of the structure's floor space or an excess of 50% of the employees.
4. The business must employ at least 25 individuals during the period when the taxes are abated.
5. The application must show a five-year financial benefit to the Village and no negative effect on any similar Village firm.
6. The property owner agrees to rebate 10% of their property tax savings, via the incentive, to the Village for a five-year period in order to support the Zero Interest Loan fund.
7. The property owner will install or implement environmentally-friendly sustainable features to the building or property.

Guideline #3 is met by this application as 60% of the floor space is dedicated to warehousing of product. Guideline #4 is not met as the company will only employ about 10 workers over the next three years. However, a future re-tenanting of the remaining 10,000 square feet of space will also add workers, potentially putting the total number of on-site workers past the 25-person minimum requirement. Therefore, an exemption from this requirement is being requested and recommended for approval by Staff. Guideline #5 is met by the attraction of a growing business to the community, investment in an industrial facility that has been vacant for over three years and will see an increase in its market value, residual spending at local businesses by the employees, and generation of sales taxes. Guideline #6 is met as the applicant has agreed to rebate the Village as required. Guideline #7 is met as the buyer is planning to install LED lighting and energy-efficiency graded windows in the next few years.

X. Finance Department Review

The Finance Department has reviewed the application and has no objections.

XI. Adherence to Zero Interest Loan Program Requirements

In order to receive approval from the Village of Arlington Heights for the Class 6b tax abatement, the applicant must formally execute an agreement with the Village. This agreement is a commitment to rebate 10% of the applicant's savings from the property tax abatement, to the Village, over the first five years of the incentive. The savings will be placed in the Zero Interest Loan fund, to be distributed to new or expanding businesses within Arlington Heights that have applied and been approved for such a loan, or used for other approved economic development activities.

The applicant has signed the formal agreement and is willing to rebate the Village 10% of their property tax abatement savings in order to help the Village further enhance its business community.

XII. Department of Planning and Community Development Recommendation

The intent of the Class 6b tax abatement program is to allow participating communities in Cook County to provide an incentive to office research, manufacturing, and warehousing firms to locate and/or expand within the County. This program allows for either a renewal of the adjusted property tax, or an allowance of new tax abatements by reducing the tax rate for a twelve-year period provided that a fiscal benefit continues to return to the host community.

This request for a tax abatement is recommended for approval. The program is designed to facilitate the ongoing, long-term use of the property located at 543 W. Algonquin Road. It is imperative that the community continues to demonstrate that it is ready to aggressively assist business development provided that it does not negatively impact the Village's quality of life. The abatement would further benefit the community by bringing over ten new jobs to the community over the next three years, while reoccupying a vacant 30,000 square foot facility that has been vacant since early 2022. Additionally, the abatement would enable approximately \$350,000 in improvements to the facility. As demonstrated in the application, the Village will see a much greater return on property taxes with the Class 6b than if the building was to remain vacant over the same period of time.

As is always the case with Class 6b property tax abatement requests, the applicant finds Cook County commercial property taxes to be burdensome. Based upon 2023 tax year (payable 2024) figures, an illustrative comparison of Cook County and DuPage County taxes is as follows:

For use as an example:

	<u>DUPAGE</u>	<u>COOK (No 6B)</u>	<u>COOK (With 6B)</u>
Market Value	\$3,500,000	\$3,500,000	\$3,500,000
Assessment Level	x <u>.33</u>	x <u>.25</u>	x <u>.10</u>
Assessed Valuation	\$1,155,000	\$ 875,000	\$ 350,000
Equalization Factor	x <u>1.0000</u>	x <u>3.0163</u>	x <u>3.0163</u>
Equalized Value	\$1,155,000	\$2,639,263	\$1,055,705
Tax Rate (per \$100)	x <u>8.1559%</u>	x <u>8.576%</u>	x <u>8.576%</u>
Taxes	\$ 94,200	\$ 226,343	\$ 90,537

One-year DuPage County taxes for a similar building are around \$132,000 lower than Cook County taxes. In other terms, DuPage County property taxes are 58% lower than Cook County non-residential property taxes in this example. With the Cook County 6b abatement, property taxes become exponentially more competitive (around 4% lower than DuPage) in this instance.

As with the granting of Class 6b tax abatements in general, the net result of encouraging Class 6b tax abatement approvals will provide for a more aggressive atmosphere for economic development in Arlington Heights than other communities in the six-county region. Dynamo Surfaces is a growing business looking to invest their enterprise in Arlington Heights. The company plans to employ around 10 workers in the next three years and conduct approximately \$350,000 in improvements to help modernize this building, add sustainability features, and overall improve the property. Additionally, attraction of a tenant (or multiple tenants) to the remaining 10,000 square feet of available space will further increase on-site employment. Further, the company could generate between \$20,000-\$50,000 in annual local sales taxes.

Support of this incentive request will help this company thrive in the long-term and also continue to reinvest in an aging building constructed over 30 years ago, while attracting another industrial user to co-tenant the property. This investment will allow the building to serve a growing Arlington Heights enterprise, both now and in the future.

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION SUPPORTING AND CONSENTING TO APPROVAL OF
CLASS 6B CLASSIFICATION FOR THE PROPERTY
LOCATED AT 543 WEST ALGONQUIN ROAD

WHEREAS, NLN Properties LLC ("**Applicant**") is the buyer of the property commonly known as 543 West Algonquin Road in the Village ("**Property**"); and

WHEREAS, the Property is currently improved with an approximately 34,200-square-foot building ("**Building**"); and

WHEREAS, the Applicant desires to operate a wholesaling facility on the Property; and

WHEREAS, pursuant to the Cook County Real Property Assessment Classification Ordinance ("**County Classification Ordinance**") a property may be classified as Class 6b, which permits the temporary reduction of property taxes in order to promote the rehabilitation and reuse of certain properties located in Cook County if either (i) it is used primarily for industrial purposes; (ii) it is "abandoned property," as that term is defined in Section 74-62 of the County Classification Ordinance; and

WHEREAS, the Applicant intends to file with the Office of the Assessor of Cook County an application for Class 6b classification of the Property; and

WHEREAS, pursuant to Section 74-63(7)(a) of the County Classification Ordinance, the Property may not be classified as Class 6b except upon approval by the Village President and Board of Trustees of an ordinance or resolution supporting and consenting to such classification; and

WHEREAS, the Village President and Board of Trustees have determined that: (i) the incentive provided by Class 6b classification is necessary for development to occur on the Property; (ii) the renovation and re-occupancy of the Property will generate significant new revenues in the form of additional state and federal income tax and local real estate and other taxes; and (iii) special circumstances justify finding that the Property is deemed abandoned; and

WHEREAS, the Village President and Board and Trustees have determined that approving this Resolution 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. DETERMINATION OF ELIGIBILITY AND APPROPRIATENESS. The Village President and Board of Trustees hereby find and determine that the Class 6b classification of the Property is necessary for development to occur on the Property.

SECTION 3. SUPPORT AND CONSENT TO CLASS 6B CLASSIFICATION. Pursuant to the County Classification Ordinance, the President and Board of Trustees hereby approve, consent to, and support the classification of the Property as Class 6b property, subject to, and contingent upon, the conditions, restrictions, and provisions set forth in Section 4 of this Resolution.

SECTION 4. CONDITIONS. Notwithstanding any use or development right that may be applicable or available pursuant to applicable law, the support and consent set forth in Section 3 of this Resolution is hereby expressly subject to, and contingent upon execution by the Applicant of the Restrictive Covenant, 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, providing that:

- A. Economic Impact. The Applicant must provide the Village with evidence that the property tax revenues to be realized from the Property following its real property capital improvement investment, and with the Class 6b reduction, will exceed the property tax revenues to be realized from the Property if it were vacant or abandoned. The Applicant must also provide the Village with evidence showing a positive economic impact of its employees.
- B. Zero Interest Loan Program. The Applicant must rebate ten percent of its savings from the Class 6b property tax reduction to the Village, over the first five years of the reduction, to be deposited by the Village into its Zero Interest Loan fund.

SECTION 5. DELIVERY. The Village Clerk is hereby directed to transmit an executed and sealed copy of this Resolution to the Applicant. The Applicant is responsible for filing such copy with the Office of the Assessor.

SECTION 6. 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 21st day of April, 2025

Village President

ATTEST:

Village Clerk

EXHIBIT A
RESTRICTIVE COVENANT



VILLAGE OF
ARLINGTON HEIGHTS
— INC. 1887 —

Village Board of Trustees
4/21/2025

Item: Resolution Approving a Property Use Agreement at HBC 800
Rohlwing Road, Rolling Meadows, IL

Department: Police

Item Description:

Background

The Arlington Heights Police Department conducts initial and periodic training for sworn law enforcement officers in order to be certified as police motorcycle operators. The training requires the use of improved outdoor parking lot surfaces in order to conduct the necessary practical exercises and examinations for certification. Such improved parking lots need to meet certain established criteria, such as level surfaces free of any significant defects, absence of any permanent fixtures (such as raised landscaping islands or lighting fixtures) and limited accessibility to outside traffic during hours of scheduled training. The Harvest Bible Chapel (HBC) maintains appropriate outdoor parking lots necessary to accommodate motorcycle operator training and has agreed to allow use of the property for such purposes.

Recommendation

The Police Department recommends the Village Board approved the resolution and authorize the Village Manager to enter into a Property Use Agreement with HBC on the terms and provisions as set for in the agreement.

ATTACHMENTS:

1. RESOLUTION - Property Use Agreement Harvest Bible Chapel
2. Exhibit A - Property Use Agreement HBC

A RESOLUTION ACCEPTING A
PROPERTY USE AGREEMENT WITH HARVEST BIBLE CHAPEL,
OF ROLLING MEADOWS, ILLINOIS

WHEREAS, the Village of Arlington Heights desires to use a portion of the property at 800 Rohlwing Road, Rolling Meadows, Illinois (***“Property”***), to conduct outdoor law enforcement motorcycle operator training in pursuit of improved public safety in Cook County; and

WHEREAS, the Village of Arlington Heights (***“User”***) and Harvest Bible Chapel, an Illinois not for profit corporation recognized by the IRS as a Religious Organization with applicable regulation, (***“Company”***) desires to enter into an agreement to allow the Village, or its agent, to enter the Property for the purposes of conducting outdoor law enforcement motorcycle operator training on the terms and provisions set forth in the Property Use Agreement; and

WHEREAS, the Village President and Board of Trustee have determined that approving the agreement will service 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 ONE: RECITALS. The facts and statement contained in the preamble to this Resolution are found to be true and correct and are thereby adopted as part of this Resolution.

SECTION TWO: APPROVALS The President and Board of Trustees hereby approve the Property Use Agreement in substantially the form attached to this Resolution as Exhibit A.

SECTION THREE: EXECUTION OF AGREEMENT. The Village Manager is hereby authorized and directed to enter into the Property Use Agreement with Harvest Bible Chapel.

SECTION FOUR: EFFECTIVE DATE. This Resolution 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 21st day of April 2025.

Village President

ATTEST:

Village Clerk



Property Use Agreement

This Property Use Agreement ("Agreement"), is made and entered into this
24th day of March, 2025, by and between Harvest Bible Chapel ("HBC") and
The Village of Arlington Heights ("User") having its address at **33 S Arlington Heights Rd, Arlington Heights, IL 60005**

RECITALS

Whereas, HBC is an Illinois not for profit corporation recognized by the IRS as a Religious Organization with applicable regulations (the "Code"); and

Whereas, HBC owns real property located at 800 Rohlwing Road, Rolling Meadows, IL (the "Property"); and

Whereas, HBC will allow guest usage of a portion of the Property from time to time to 3rd parties for one or more uses to organizations and individuals that are in accordance with its By-Laws and policy.

Whereas, HBC agrees to offer to User the right to occupy and use certain portions of the Property, as specifically defined here in below, for the purpose of the "Events" under the terms and conditions set forth herein below; and that the User's use of the Property in this manner does not conflict with the tax exempt purposes of HBC.

Now Therefore, the parties hereto agree as follows:

- 1) **Recitals.** The recitals contained hereinabove are true and correct and incorporated herein by reference.
- 2) **Description of Event.** User will be hosting periodic motorcycle training events on various dates in 2025. HBC hereby grants User the described premises: The parking lot of Property (the "Premises"), on a non-exclusive basis on agreed-upon dates through October 31, 2025, and shall be subject to the Covenants and Conditions contained herein,.
- 3) **Term.** The term of this Agreement shall March 19, 2025 through October 31, 2025.
- 4) **Facility Use Expense Sharing Fee.** The total Fee under this Agreement is waived.
- 5) **Cancellation.** User may cancel this agreement by contacting the employee sponsor via written notice with 30 days' notice. HBC may cancel this agreement for any reason or no reason with 30 days' notice.
- 6) **Use of Property Owner Name/Logo/Identity.** User shall not make use of any of HBC name, logo or picture which might create the impression of association, affiliation, partnership or any other venture.
- 7) **Use of Business Personal Property Materials and Equipment.** User is not permitted to utilize any business personal property, materials or equipment stored on Property without express written permission noted in this Agreement.
- 8) **Use of Onsite Vendors.** No vendors are permitted.
- 9) **Use of Premises.** The User's use of the Premises is for the purpose set forth above under the description of the Event. The User acknowledges that HBC activities have precedence over Guest use of the Premises. The User will be notified if any conflicts arise and efforts will be made to reschedule the use of the Premises. HBC reserves the right to revoke facility use if User fails to produce a compliant Certificate of Insurance as required.



A. User Covenants

- 1) User understands that HBC is a religious organization with its beliefs, faith and moral teachings based in the Holy Bible and defined by its purpose and mission in the HBC By-laws. User understands that HBC will not permit use of its Property if User's activities, beliefs or purposes are in conflict with those of HBC. User agrees to use HBC Property in a manner that upholds, does not contradict or violate HBC beliefs, faith, and moral teachings. Agreement to these terms ensures that HBC does not cooperate in activities or beliefs that are contrary to its faith, (2 Cor 6:14; 1 Thess 5:22) and ensures that HBC presents a consistent message to the community as the Church's witness to the Gospel of Jesus Christ.
- 2) User shall abide by all laws, ordinances and any Governmental Regulations applicable to the use of the Premises.
- 3) User shall abide by all rules and regulations established by HBC for the use of Property and the Premises.
- 4) HBC shall have access to the Premises at all times during the Term of this Agreement.
- 5) User shall reimburse HBC for any damage to the Premises caused by User. The cost of damages will be based on the repair or replacement cost, the choice of which is at HBC discretion.
- 6) User is responsible for all cleaning of the space that it occupies, including regular removal of trash.
- 7) No smoking shall be permitted on the Property or the Premises.
- 8) No alcohol shall be allowed on the Property or the Premises.
- 9) User agrees that projected music/sound selections may be restricted.
- 10) Non-Service Animals are not permitted on the Property or the Premises.
- 11) User shall not permit any nails, screws, hooks, tape, or tacks to be attached to the walls, ceilings, and/or any "furnishings" (i.e., stage, stage stairs, pulpit/podium, any musical equipment located on stage, and any/all sanctuary seating) of the Property.
- 12) User shall not use the Premises in any way that would increase HBC insurance premiums or void insurance on the Premises or the Property.
- 13) User must ensure supply of trained supervision to ensure proper care and protection of vulnerable populations in attendance. User shall use safety measures for child protection similar to such measures used by HBC.
- 14) User agrees that User shall be responsible for providing security for its services and will indemnify and hold harmless HBC from any security related incidents or claims that arise as a result of the services and other Events.
- 15) User shall not occupy the facility or property before or after the agreement times.
- 16) User agrees that it will operate and provide the Services in accordance with Centers for Disease Control and Prevention ("CDC") guidelines and Federal, State, County and Local governmental emergency orders (collectively the "Governmental Orders") applicable to the Event. Failure to comply with any of the applicable regulations may result in the termination of this Agreement and cancelation of the Event.

B. HBC Covenants

- 1) HBC shall provide ancillary services only as provided for below in this Agreement:
 - A. Audio/Video Media: None
 - B. Equipment: None
 - C. Security: None
 - D. Technical Support: None
 - E. Building Services/Set: None



F. Other: None

- 10) **No Unlawful Use.** The User shall not allow the Premise to be used for any unlawful purposes. User and User's guests and invitees shall maintain all required licenses, if any, for activities associated with the Event on the Premises.
- 11) **Indemnification.** User agrees to indemnify, defend and hold harmless HBC, its supporting organizations and integrated auxiliaries and each of their directors, officers, employees, agents, successors and assigns (the "**Indemnified Parties**") and to reimburse them for all claims, obligations, damages and any and all claims and liabilities directly or indirectly arising out of the User's use of the Premises, including 3rd party claims based on a pandemic or virus, including COVID-19, and shall further indemnify and hold harmless HBC against and from any and all claims arising from any personal injury, breach or default in the performance of any obligation on User's part to be performed under the terms of this Agreement, or arising from any act or negligence of User, or its agents, guests, invitees, or employees; and from and against all costs, attorneys' fees through and including appellate proceedings brought thereon; and in case any action or proceeding be brought against HBC by reason of any such claim, User upon notice from HBC shall defend the same at User's expense by counsel reasonably satisfactory to HBC. User, as a material part of the consideration to HBC, hereby assumes all risk of damage to property or injury to persons, in, upon or about the Premises from any cause other than HBC gross negligence or willful act. For purposes of this Indemnification, "**claims**" shall mean and include all obligations, actual and consequential damages, and costs reasonably incurred in the defense of any claims against the Indemnified Parties, including, without limitation, reasonable attorneys' fees, deposition costs, investigation costs, court costs and all other litigation expenses. HBC shall have the right to defend any such claim against it. This indemnity and hold harmless shall continue in full force and effect, subsequent to and notwithstanding the expiration or termination of this Agreement. The User must indemnify, defend, and hold HBC and its officers, employees, agents, etc. harmless from any costs and liabilities associated with the User's use of the property. The User also assumes all risks of damage and personal injury to User's equipment and personnel while using the property.
- 12) **Liability Insurance.** User shall, at its expense, procure and maintain in force, during the term of this Agreement, general liability insurance to protect against liability for damages claimed as a result of activities of User and User's guests or invitees on the Premises during the term of this Agreement. All policies of insurance required hereunder shall be written with carriers which are licensed or authorized to transact business in the State of Illinois and are rated A- or better, and a financial category of VI or higher, according to the latest published Best's Key Rating Guide. User shall provide to HBC no less than seven (7) calendar days prior to the first date of use, evidence of insurance with the following coverages and limits:
- A. Worker's Compensation and Employer's Liability:** Statutorily required for onsite employees
Bodily Injury by Accident - \$500,000 each accident. Bodily Injury by Disease \$500,000 policy limit
Bodily Injury by Disease \$500,000 each employee
- B. Commercial General Liability (Occurrence):** HBC shall be named as Additional Insured on a primary and non-contributory basis, with a waiver of subrogation in favor of HBC. Each Occurrence \$1,000,000
- C. Abuse/Molestation Liability:** if Event includes vulnerable population(s) and/or minors.
Each Occurrence \$1,000,000
- D. Accident Coverage/Medical:** if Event includes activities requiring a Participant Waiver:
Each Accident \$250,000

HBC reserves the right to modify insurance requirements including, but not limited to, increasing



coverage limits depending on the activities proposed during the Event.

- 13) **Authorization.** User has full power and authority to execute and deliver this Agreement and to consummate this Agreement. This Agreement, when executed will constitute the legal, valid and binding obligation of the User and is enforceable against User in accordance with its terms.
- 14) **Dispute Resolution.** HBC retains exclusive rights to determine its facility use. Should HBC in its sole determination decide to cancel this agreement, User understands HBC is within its rights to do so, and there are no grounds for appeal.
- 15) **Force Majeure.** No party shall be liable for any failure to perform its obligations under this Agreement, (except for any obligations to make payments to the other party), if such failure results from any act of God, riot, actual or threat of war, terrorism, governmental regulation, action, or decision or implementation of the same, civil unrest, public health threats (including epidemic or pandemic) as determined or recognized by the Centers for Disease Control and Prevention or State, County or local governmental entity or public health agency, embargo, strike, fire, flood, earthquake, hurricane, tornado or other cause beyond such party's reasonable control making it impossible, illegal, impracticable, or inadvisable from an economic, personal safety, or policy basis to perform under the Agreement, including any mechanical, electronic, or communications failure, but excluding failure caused by a party's financial condition or negligence.
- 16) **Notice.** All notices to be given under this Agreement shall be in writing (email acceptable) addressed as follows:
- | <u>To User</u> | <u>To HBC</u> |
|------------------------------|--------------------------------|
| Village of Arlington Heights | Harvest Bible Chapel |
| 33 S Arlington Heights Rd | 800 Rohlwing Road |
| Arlington Heights, IL 60005 | Rolling Meadows, IL 60008 |
| | Jsharda@harvestbiblechapel.org |
- 17) **Severability.** If any part of this Agreement should be held to be void or unenforceable, such part will be treated as severable, leaving valid the remainder of this Agreement notwithstanding the part or parts found void or unenforceable.
- 18) **Choice of Law/Venue.** This Agreement shall be governed and interpreted in accordance with the laws of the State of Illinois. Any court proceeding, mediation or arbitration between the parties concerning the Agreement shall be brought in Cook County, Illinois.
- 19) **Counterparts.** Delivery of an executed counterpart of this Agreement by facsimile or electronic transmission shall be equally as effective as delivery of a manually executed counterpart of this Agreement. Parties may execute the Agreement by electronic signature.



IN WITNESS WHEREOF, the parties intending to be legally bound, have executed this Facility Use Agreement the day and year first above written.

Harvest Bible Chapel

Full Name: **Jeff Sharda**

Title: **Lead Pastor of Finance & Operations**

Signature: _____ date _____

Onsite HBC Representative- Full Name John Smith

Onsite HBC Representative Mobile Phone #: 602-489-0377_

Village of Arlington Heights

Full Name:

Title: Village Manager

Signature: _____ date _____

Onsite User Representative-Full Name: Jeff Aiello

Onsite User Representative Mobile Phone#: 847-368-5300



VILLAGE OF
ARLINGTON HEIGHTS
INC. 1887

Village Board of Trustees
4/21/2025

Item: A Resolution Approving a First Amendment to the Agreement with Hunden Strategic Partners, Inc. for Economic and Market Analytical Services for the Redevelopment of the Arlington International Racecourse Property.

Department: Integrated Services

Item Description:

At the September 6, 2022 Village Board meeting, the Board authorized execution of an agreement with Hunden Strategic Partners Inc. to conduct reviews the economic and market studies conducted by the Chicago Bears Football Club (CBFC) related to their conceptual plans for the redevelopment of the Arlington Park Racetrack site with a NFL stadium and mixed-use entertainment district. While the CBFC began those studies in 2022, they paused them in 2023 due to disputes over short and long-term property taxes for the site.

At the December 9, 2024 Village Board Meeting, the Village Board approved a Memorandum of Understanding with the CBFC and School Districts 15, 211, and 214 to resolve those issues. Since that meeting, the agreement has been executed by all parties. The Cook County Board of Review certified the assessed value of the property outlined in the MOU on February 13, 2025. The Village and the CBFC have continued discussions over the future of the property since that time. On February 21, 2025 the CBFC confirmed that, in compliance with the MOU, that they have resumed their traffic and economic impact studies for the site and directed their consultants to refine the conceptual site plan for the site (see attached letter).

Staff believes it is now necessary to re-engage with the Village's consulting teams so that the studies conducted by CBFC's own consultants can be properly evaluated and vetted. These studies are crucial to determine the economic and financial viability of the project and to identify and plan for needed infrastructure to support it. Per the 2022 Pre-Development Agreement, the CBFC will reimburse the Village for the expenses it incurs for these studies.

Since 2022, Hunden Strategic Partners' rates have been updated. The attached resolution authorizes the execution of the 1st amendment to the 2022 agreement for economic and market analytical studies.

Staff Recommendation:

Approval of a Resolution Authorizing Execution of the First Amendment to Agreement with Hunden Strategic Partners for Economic and Market Analytical Services for the Redevelopment of the Arlington International Racecourse Property.

ATTACHMENTS:

1. CBFC Letter To Recklaus_02.21.2025
2. AH Resolution approving First Amendment to Professional Services Agreement with Hunden
3. AH First Amendment to Professional Services Agreement with Hunden
4. Exhibit A Hunden Scope 4-16-25



February 21, 2025

Village of Arlington Heights
33 S. Arlington Heights Rd.
Arlington Heights, IL 60005
Attention: Randy Recklaus, Village Manager

Re: Resumption of Evaluative Studies and Conceptual Site Plan

Dear Mr. Recklaus:

Reference is hereby made to (i) that certain Memorandum of Understanding Between the Village of Arlington Heights (the "Village"), the Board of Education of Community Consolidated School District 15, the Board of Education of Township High School District 211, the Board of Education of Township High School District 214, and CBFC Development, LLC ("CBFC"), dated as of January 7, 2025 (the "MOU") and (ii) that certain Pre-Development Agreement by and between the Village and CBFC dated November 7, 2022 (the "Pre-Development Agreement"). Capitalized terms not defined in this letter shall have the meanings ascribed to them in the MOU or the Pre-Development Agreement, as applicable.

As you are aware, the Board of Review certified the assessed value of the Property for the 2024 assessment on February 13, 2025. In accordance with Section 4.C of the MOU and Section 5 of the Pre-Development Agreement, please be advised that CBFC has resumed economic impact, traffic, and other evaluative studies regarding the Project and has directed its consultants to refine the Conceptual Site Plan.

Sincerely,

Two handwritten signatures in blue ink. The first signature is on the left, and the second, larger signature is on the right.

cc: Hart Passman, Elrod Friedman LLP
Krista Whitaker
Paul Shadle
Mariah DiGrino

VILLAGE OF ARLINGTON HEIGHTS

RESOLUTION NO. _____

A RESOLUTION APPROVING A FIRST AMENDMENT TO THE
PROFESSIONAL SERVICES AGREEMENT WITH
HUNDEN STRATEGIC PARTNERS, INC.

WHEREAS, CBFC Development, LLC, a Delaware limited liability company (“CBFC”), owns the former Arlington International Racecourse property (“Property”) located within the Village; and

WHEREAS, the Village and Hunden Strategic Partners, Inc., of Chicago, Illinois (“Consultant”), entered into an agreement dated September 5, 2022 (“Agreement”) for the provision by the Consultant of fiscal economic impact and market analytical studies in connection with the redevelopment of the Property (“Services”); and

WHEREAS, the Village, CBFC, the Board of Education of Community Consolidated School District 15, an Illinois school district, the Board of Education of Township High School District 211, and the Board of Education of Township High School District 214 have entered into a Memorandum of Understanding, dated January 7, 2025, to set forth their respective rights and responsibilities concerning CBFC’s plans for the redevelopment of the Property (“MOU”); and

WHEREAS, on February 21, 2025, pursuant to Section 4.C.2 of the MOU, CBFC provided written notice to the Village that it has resumed economic impact, traffic, and other evaluative studies concerning the redevelopment of the Property; and

WHEREAS, the Village and the Consultant now desire to amend the Agreement to update the rates of compensation to be paid by the Village to the Consultant pursuant to the Agreement (“First Amendment”); and

WHEREAS, the Village President and Board of Trustees have determined that approving the First Amendment with the 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, 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 FIRST AMENDMENT. The President and Board of Trustees hereby approve the First Amendment in substantially the form attached to this Resolution as Exhibit A.

SECTION 3. EXECUTION OF FIRST AMENDMENT. The Village President and the Village Clerk are hereby authorized and directed to execute and attest, on behalf of the Village, the First Amendment upon receipt by the Village Clerk of at least one original copy of the First Amendment executed by Consultant; provided, however, that if the executed copy of the First Amendment 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.

AYES:

NAYS:

PASSED AND APPROVED THIS ____ day of _____, 2025

Village President

ATTEST:

Village Clerk

EXHIBIT A

FIRST AMENDMENT

**FIRST AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT BETWEEN THE
VILLAGE OF ARLINGTON HEIGHTS AND HUNDEN STRATEGIC PARTNERS, INC.**

THIS IS A FIRST AMENDMENT ("*First Amendment*"), dated as of _____, 2025 ("*Effective Date*"), to that certain Professional Services Agreement dated September 6, 2022 ("*Agreement*") by and between the **VILLAGE OF ARLINGTON HEIGHTS**, an Illinois home rule municipal corporation ("*Village*"), and **HUNDEN STRATEGIC PARTNERS, INC.**, an Indiana corporation ("*Consultant*") (each a "*Party*" and collectively, the "*Parties*").

IN CONSIDERATION OF the recitals and the mutual covenants and agreements set forth in this First Amendment, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

SECTION 1. RECITALS.

A. In 2022, the Village entered into the Agreement with the Consultant for the provision of fiscal economic impact and market analytical services in connection with the redevelopment of the Arlington International Racecourse property ("*Services*").

B. The Village and the Consultant now desire to amend the Agreement to update the rates of the Compensation to be paid by the Village to the Consultant pursuant to the Agreement.

SECTION 2. DEFINITIONS; RULES OF CONSTRUCTION.

A. **Definitions.** All capitalized words and phrases used throughout this First Amendment have the meanings set forth in the various provisions of this First Amendment. If a word or phrase is not specifically defined in this First Amendment, it has the same meaning as in the Agreement.

B. **Rules of Construction.** Except as specifically provided in this First Amendment, all terms, provisions and requirements contained in the Agreement remain unchanged and in full force and effect. In the event of a conflict between the text of the Agreement and the text of this First Amendment, the text of this First Amendment controls.

SECTION 3. AMENDMENT TO AGREEMENT.

The rates of the Compensation to be paid by the Village to the Consultant, as set forth in the Scope of Services, are hereby amended as set forth in **Exhibit A** attached to and made a part of this First Amendment.

SECTION 4. REPRESENTATIONS.

A. **By the Village.** The Village hereby represents and warrants that: (1) the persons executing this First Amendment on its behalf have been properly authorized to do so by the Corporate Authorities; (2) it has full power and authority to execute and deliver this First Amendment and to perform all of its obligations imposed pursuant to this First Amendment; and (3) this First Amendment constitutes a legal, valid and binding obligation of the Village enforceable in accordance with its terms.

B. **By Consultant.** The Consultant hereby represents and warrants that: (1) the persons executing this First Amendment on its behalf have been properly authorized to do so by the Consultant; (2) it has full power and authority to execute and deliver this First Amendment and to perform all of its

obligations imposed pursuant to this First Amendment; and (3) this First Amendment constitutes a legal, valid and binding obligation of the Consultant enforceable in accordance with its terms.

IN WITNESS WHEREOF, the Parties have hereunto set their hands on the date first above written.

ATTEST:

HUNDEN STRATEGIC PARTNERS, INC.

By: _____

By: _____

Its: _____

Its: _____

ATTEST:

VILLAGE OF ARLINGTON HEIGHTS

Rebecca Hume, Village Clerk

By: _____

Its: Village President

EXHIBIT A

[INSERT CONSULTANT'S UPDATED RATES AND FEES]

April 16, 2025

Randall Recklaus, Village Manager
Village of Arlington Heights
33 S. Arlington Heights Road
Arlington Heights, IL 60005
rrecklaus@vah.com

Analysis of Proposed Redevelopment of Property Commonly Known as Arlington International Racecourse

The Village of Arlington Heights (Village or Client) is retaining Hunden Partners for market demand, financial feasibility, and economic impact analysis services to evaluate an NFL stadium-anchored mixed-use development at the former Arlington International Racecourse property (Property or Project). Hunden Partners (Hunden) will act as a vital partner to the Village throughout this critical analysis, due diligence, strategy, and planning period. Hunden will evaluate plans, studies, and proposals submitted by the Chicago Bears Football Club (Chicago Bears or Bears), as well as conduct data-driven market research and comparable developments/NFL deals to determine the likely performance and impact of the proposed Project on the 326-acre site. Hunden will provide the Client with a comprehensive study and report that outlines implications, findings and recommendations for the proposed Project. Hunden is prepared to represent the best interests of the Village throughout the study process.

Hunden specializes in the very development type proposed and we have analyzed nearly every major league stadium + mixed-use district combination in the U.S.

For nearly 100 years, the Property was an iconic landmark in Arlington Heights and known to all of Chicagoland and beyond. Then in 2021, Churchill Downs, Inc. announced the closure and sale of the 326-acre Arlington International Racecourse. The Village then drafted and adopted overlay zoning district standards for the Property that established guidelines to foster and implement thoughtful redevelopment, such as creating a unique, regional, “one-of-a-kind” mixed-use district. Later that year, Churchill Downs and the Chicago Bears reached a purchase agreement for the Property. It is now time for the Village to augment its internal staff with advisors experienced in major league and related mixed-use developments, as discussions continue with the Chicago Bears about the future of the Property.

Hunden Partners is passionate about fulfilling the role of third-party strategic partner to the public sector and providing unbiased market, financial feasibility, economic impact and advisory services. Hunden proposes to conduct a thorough review of the Chicago Bears’ proposal and accompanying feasibility study/financial projections from the Bears’ consultant (the Peer Review). In order for the most accurate peer review to be conducted, Hunden will simultaneously conduct our own market analysis and determine the highest and best program mix of uses for the site, which may be different from what the Bears proposed. This independent analysis will then lead to a demand and financial analysis, an economic impact and public benefit (tax and jobs) analysis, which will ultimately lead to a summary of implications, findings and recommended next steps for the proposed stadium district development. By completing our independent study at the same time as the peer review, the work will be as complete as possible in as short a timeframe as possible.

At the conclusion of Hunden’s process, the Village will receive a report that provides details regarding the following scope tasks/outcomes:

- Peer review of all documents, plans and projections in the Chicago Bears’ proposal identifying areas of concern, deficiencies, assets and benefits,
- Independent market analysis, including:
 - Review of comparable national stadium and entertainment district case studies and best practices,
 - Mixed-use development profiles and best practices,

- Best practices on deal structures and public financing mechanisms for this type of development, and
- Local real-time market analysis of each proposed real estate use.
- Independent financial projections for all proposed and recommended components,
- Independent economic, fiscal and employment impact projections,
- Assistance relating to financing incentives, other funding mechanisms, key development components, and community benefit agreements, and
- Final report and presentation to the Village Board of Trustees, stakeholders and the public at community meetings.

During the study process, Hunden will work closely with the Village on its strategy and approach to ensure that the development proposed by the Bears best meets the goals and objectives of the Village and the corresponding agreements maximize the assurances that the Bears will meet its short and long-term commitments. The study will be used to inform those discussions.

We understand that this process and scope of work will require an expert level of flexibility and adaptability depending upon the Bears' proposal contents, the continued communication between the Village and the Bears, and community needs. Hunden remains flexible and is prepared to adjust this scope of work as the Village requires.

Approach to Scope of Work

Hunden proposes the following approach and methodology to complete the scope of work requested by the Village of Arlington Heights:

Study and Implications

- Task 1: Kickoff and Project Orientation
- Task 2: Peer Review of the Chicago Bears Proposal
- Task 3: Independent Market Analysis: Comparable NFL Stadium and District Research
 - Task 3.1: Economic, Demographic and Tourism Analysis
 - Task 3.2: Comparable Stadium and Entertainment District Case Studies
 - Task 3.3: Mixed-Use District Market Assessments, Including:
 - Residential
 - Hotel
 - Office
 - Entertainment
 - Restaurant/Retail
 - Other uses, as identified
- Task 4: Financial Analysis
 - Task 4.1: Demand and Financial Projections
 - Task 4.2: Economic, Fiscal and Employment Impact Analysis
- Task 5: Modeling of Recommended Scenario(s)
- Task 6: Executive Summary of Implications and Prescriptive Recommendations
- Task 7: Recommendations

Advisory

- Ongoing Advisory Services

The nature of this complex deal advisory work demands that both work efforts, the study and the advisory, will need to happen simultaneously.

Study and Implications

Task 1: Kickoff and Project Orientation



Hunden will perform the following orientation and due diligence-oriented tasks:

- Obtain information and data from the Village of Arlington Heights, the Chicago Bears, Bears consultant team, community leaders, and any other appropriate agencies as identified in consultation with the Client.
- Tour the area, the proposed site, and other demand generators in the area (sports, entertainment, events, etc.).
- Gather background information and context related to the Project.
- Gather and review relevant economic, demographic, tourism and other data.

Task 2: Peer Review of the Chicago Bears Proposal

This task will review the proposed Project plan and financial analysis as provided by the Chicago Bears, including the proposed stadium, amenities, and the desired surrounding mix of uses, and how all the pieces have been conceptualized to-date. Details will include, as available:

- Project concept,
- Financial Feasibility Analysis as provided by Chicago Bears,
- Sizing for each component,
- Market assumptions,
- Proposed project cost,
- Financing and budgets,
- Public investment required,
- Parking needs and projections completed,
- Layouts, drawings, and plans, and
- Any other development characteristics deemed appropriate.

Hunden will identify areas of concern, deficiencies, assets and benefits to the Bears' plan, as well as provide the Village with a high-level opinion on financial feasibility and economic benefit or impact to the Village. Given that much research will need to be conducted as part of Task 3 to make strong conclusions about Task 2, Hunden will conduct the peer

review and market analysis in concert, along with the best practices research for comparable development around the NFL and other major leagues.

Task 3: Independent Market Analysis: Comparable NFL Stadium and District Research

Task 3.1: Economic, Demographic, and Tourism Analysis

Hunden will evaluate Arlington Heights' position as an economic center of activity, demographic growth and characteristics, accessibility, as well as a destination for daytrip and overnight visitors (today and implications for the future with this development). This analysis will provide a realistic assessment of the area's strengths, weaknesses, opportunities and threats (SWOT). Among the data gathered and analyzed will be:

- Geographic attributes, accessibility and transportation links,
- Adjacent communities, location with Chicagoland, centrality of population and Bears fans,
- Trends in population growth and income,
- Corporate presence, major employers and any significant recent or likely future changes,
- Cores of economic activity, major retail/restaurant nodes, office nodes, and residential growth areas, and
- Arts, culture and entertainment assets.

Hunden utilizes the latest market data, visitor origin data, demographic data, and other resources to determine a comprehensive view of your marketplace.

Task 3.2: Comparable Stadium and Entertainment District Case Studies

Hunden will prepare case studies on select comparable NFL stadium-anchored mixed-use developments and their financing deals/structures. The comparable research will include intelligence on the public/private financing mix for other NFL stadiums and districts as available and relevant to the Village's situation. Details may include the amount that other cities/counties/states contributed to this type of stadium and district development, district financing structures (TIF, Super TIF, etc.), outcomes and performance figures, and lessons learned.

Stadium Deals. Hunden will assess details, deal points, public financing elements, private financing and commitments for other major league deals, especially in larger markets. Often what is reported in the press is not clear and does not present the actual breakdown of public and private funding commitments and sources of funds. Most deals include numerous nuances that, once understood, show that the public sector, especially in large markets, does not contribute as much to new NFL or other major league stadiums as many believe based on the press. In other instances, such as in smaller markets, the public sector often provides much more than is understood. Hunden will cut through the clutter to show what was committed on both sides and the implications for a large-market team like the Bears. The comparable deals will include breakdowns of the city, county and state contributions and/or tax streams.

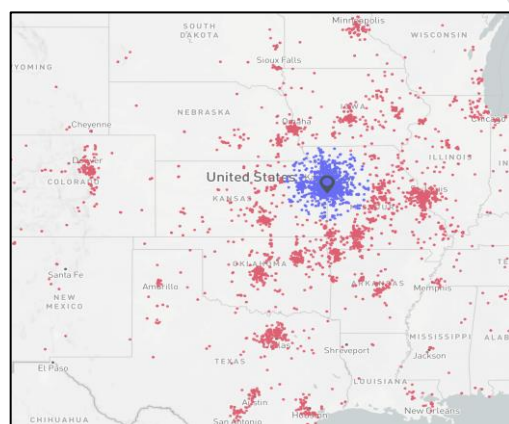
District Cast Studies surrounding major league venues. Hunden will assess key data points including:

- Program mix and sizing of uses (retail, restaurant, office, residential, entertainment, public space, youth sports, etc.,
- Phasing and timing of the district development,
- Uniqueness of tenants and authenticity of design and development,
- Accessibility,

- Walkability,
- Adjacent developments and communities, general context,
- Performance (as available),
- Attendance and origin of visitors, along with demographics, seasonality, non-game day performance, etc.,
- P3 models, financing options/structures (as available), and
- Critical factors to success or failure.

Visitor/Customer/Resident Profiles. Hunden has invested in **geofencing research technology** as a key resource to study customer origin and traffic analytics for stadiums, event facilities, hotels, retailers, restaurants, and other relevant businesses. This critical tool gives us an edge in helping destinations determine consumer behaviors and visitor origins dating back to 2017. Geofencing research technology helps us understand comparable and competitive stadium activity in relation to the Project area. Hunden will determine primary trade areas, visitor origin, demographics, time of day/day of week activity level, and other datapoints that provide insight into user group behaviors. Analysis of this information allows us to support possible impacts of a new mixed-use district and project how the new development may perform.

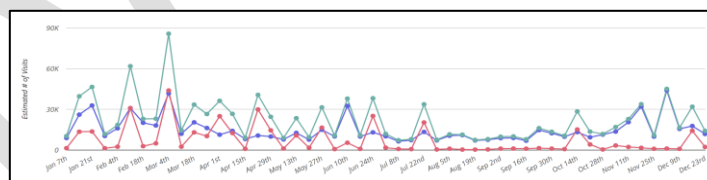
We create custom data analytics and maps for any geographic place in the U.S., as exhibited by the following figures. The figures below represent a small sampling of the range of data we collect for each development studied.



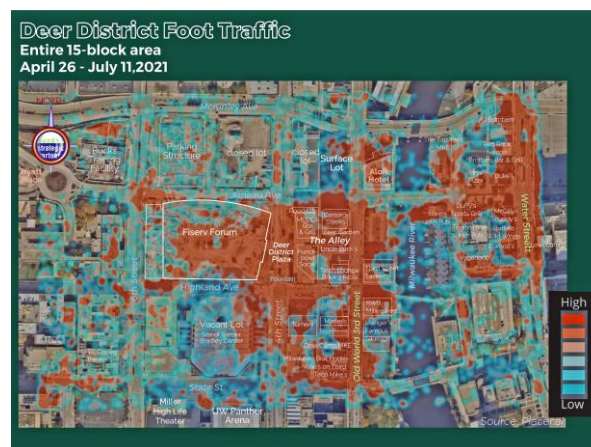
HyVee Arena - Kansas City, MO January 1, 2019 - December 31, 2019 (365 Days)					
Visitor Origins by Distance from Site Colors correspond to charts & maps	Total Visits		Total Unique Customers		Avg. Visits per Customer
	Est. Number of Visits	Percent of Total Visits	Est. Number of Customers	Percent of Total Customers	
Locals - Within 100 miles	786,300	68.4%	320,400	61.7%	2.45
Regional & Long Distance - Over 100 miles	368,600	32.1%	199,100	38.3%	1.88
Total Visits	1,150,000	100.0%	519,700	100.0%	2.22

Source: Placer.ai

Walkability Heat Map. Hunden has the capacity to create heat maps



that show where people walk inside or outside of a venue over a chosen period of time. Hunden will use this tool to help understand Arlington Heights today, as well as comparable NFL stadiums and districts. Hunden worked with the Milwaukee Bucks on the next phase of the Deer District and these heat maps help illustrate areas of strength and weakness in the existing development. We will use this tool for the other stadium districts that will be profiled.



This task will conclude with implications and recommendations regarding the district and stadium development: what works, what struggles, the amount and percentage of public investment in the stadium and district, the timing of phases, risks, performance objectives and realities to protect the Village.

Task 3.3: Mixed-Use District Market Assessments

In order to complete a thorough, third-party review of the Chicago Bears' proposal, Hunden will conduct an independent market assessment for each use proposed in the entertainment district to determine market viability. Hunden will study the following uses:

- Restaurant/Retail,
- Hotels,
- Residential,
- Office,
- Entertainment, and
- Others as proposed/suggested, such as youth sports, public spaces, etc.

For each market use, Hunden will provide an overview of the following research points:

Industry Trends. Hunden will cover the trends that influence how and where people want to shop, eat/drink, stay, and be entertained as part of those experiences, and how recent macro events have shifted these trends. We will assess the same for office and residential development in and around such districts. In addition, Hunden will cover key drivers of demand, financial realities, including typical metrics and cap rates, and others, as relevant.

Market Performance. Supply, Demand, Rates, Absorption, and other key metrics of the Arlington Heights and surrounding markets, in time-series charts and data tables, using CoStar, Smith Travel Research, Pollstar and other analytical tools. Hunden will include a map of area submarkets and key nodes of asset clusters.

Submarket Performance. Specific to the more immediate area, Hunden will research Supply, Demand, Rates, Absorption, and other key metrics of the submarket, provided in time-series charts and data tables, using CoStar, STR, Pollstar, and other analytical tools.

Competitive Set Identification and Performance. Profiles of leasable spaces or developments (location, size, quality, age rates, vacancy), absorption and time-series of performance. A competitive set supply map will profile location and

consider nearby supportive uses, such as residential, hotels, event facilities, office clusters, attractions, and other support/demand generators.

Proposed and Under Construction Projects. Hunden will profile the relevant projects underway or imminent and consider those as part of the future competitive set absorption dynamic.

Implications for the Project. Hunden will understand what is supported in the market, what is recommended, likely absorption timing/phasing and other key points that will set up the demand, financial and impact projections. These will then lead to ultimate conclusions and recommendations for the stadium and district.

Task 4: Financial Analysis

Task 4.1: Demand and Financial Projections

For each Project component/use, Hunden will create a demand model (independent of the models completed by the Chicago Bears consulting team), including a penetration analysis. This will then lead to assumptions that will be used to determine the detailed financial projections for each use, including the stadium. These will include major line item detail of revenue and expense for each component. Hunden will present projections from each component and then combine these results into a stadium and district financial projection. The projection will help the public and private sector understand the total investment, the total return and any funding gaps. These results will be used as a basis for the economic and fiscal impact analysis task, which will produce the return on investment for the public sector.

Task 4.2: Economic, Fiscal and Employment Impact Analysis

Hunden will conduct an economic, fiscal, and employment impact analysis of the new economic activity generated by activity at the Project and the impacts generated from the construction of the stadium and district.

The following will be projected for the Village:

- **Direct Impact.** Based on the analysis, a projection of net new direct spending will be tabulated. New spending is that spending that is new to the community as visitors come to Arlington Heights due to an event, spend the night or otherwise spend time or money in the area due to the development and operation of the Project. Hunden will analyze the induced, net new/recaptured spending by residents and visitors. The net new and recaptured spending is considered to be the **Direct Impact**. These Direct Impacts will then circulate in the economy as indirect and induced impacts.
- **Total Impact** will include the net new *direct, indirect and induced impacts* based on the new spending to the city economies. **Indirect spending** is spending that occurs within the Project to function as a business. So, in assessing a stadium, for example, indirect spending is spending on supplies, cost of goods sold and other spending necessary for the business to function. **Induced spending** also known as induced consumption, is spending that changes in response to income changes. It is a key part of household consumption and is closely linked to current income. When someone's income increases due to a new or higher-paying job, the person will have more income to spend in the economy. **Total impact** is a sum of direct, indirect and induced spending.
- **Fiscal (Tax) Impacts** represent the incremental tax revenue collected by the Village due to the net new economic activity related to activity occurring as a result of the Project.
- **Employment Impacts** include the incremental or net new employee compensation and supported full-time equivalent employment to the city due to the development and ongoing operations of the Project.

Hunden will use economic impact multipliers, which provides direct and total impacts, from regional Input-Output Modeling System (RIMS II) to perform the analysis. This input-output model estimates the indirect and induced impacts, as well as employment impacts, based on the relevant economy. An input-output model generally describes the

commodities and income that normally flow through the various sectors of the economy. The indirect and induced expenditure, payroll and employment result from the estimated changes in the flow of income and goods caused by the projected direct impacts. The model data are available for various jurisdictional levels.

Task 5: Modeling of Recommended Scenarios

Hunden's recommendations for optimal buildout of the district will be modeled to show the Village the team how the ideal district would perform, generate capturable taxes and create incentive opportunities, and improve impact on the Village and State. These outputs will be shown side by side with the results from the team's proposal to the Village.

Task 6: Executive Summary of Implications and Prescriptive Recommendations

Hunden will provide a summary of implications and prescriptive recommendations for the proposed Chicago Bears Project and deal points based on the independent market assessment, comparable stadium district profiles, and financial analysis.

Hunden will provide the Village with a clear outline of study findings, including the economic impact and direct public benefit this Project could bring to the Village, examples of what has worked for other similar stadium district developments nationally, and options to improve elements of the Chicago Bears' proposal. If the plan proposed by the Bears is missing critical elements, and/or if project details are off-base, Hunden will note these areas and recommend programmatic adjustments.

Task 7: Recommendations

As a conclusion of our study work, Hunden will provide the Village with perspective and recommendations regarding the following deal points:

- Financing incentives,
- Linked key development components, and
- Amount/portion of public financing.

Advisory Services

The nature of this complex advisory work demands that both efforts, the study and the advisory, will need to happen simultaneously. Hunden, alongside outside counsel, as appropriate, will provide the Village with ongoing services and advice during both the study period and ongoing planning stages of the Project.

Hunden will provide perspective, advice, analysis and recommendations on:

- Financial incentives,
- Key development components,
- Amount/portion of public financing,
- Funding tools and strategic financial assessments,
- State, county, and other public financing and/or grants/partnerships and funding mechanisms,
- Operating financial assessment(s) of NFL game-day revenue streams and associated event expenses
- Operating financial assessment(s) of concerts, third-party promoted events, national and international bid sporting events, and general facility operations
- Key revenue streams, naming rights, sponsorships, concession/F&B agreements, key vendor(s) agreement, promoter and outside event organizers
- Industry insight related to major event bidding requirements and schedules
- Community benefit agreements, and
- Other items that arise during the engagement period that can be addressed by Hunden's expertise.

Support will be provided based on lessons learned from other case studies, industry data points, and financial models produced throughout the previous tasks. Hunden is not a municipal advisory firm and will not provide bond/debt-related municipal services, but will work with the Client's municipal financial advisor on any related tasks.

Study Deliverables

Peer Review Check-In – Approximately six (6) weeks after contract authorization, receipt of kickoff payment, and receipt of all Bears proposal documents, studies and financials, Hunden will provide the Client with a preliminary findings check-in, outlining takeaways from the initial peer review effort.

Report Draft Summary – Hunden will provide the Village with a presentation of market, financial and peer review findings, including concerns, deficiencies, assets and benefits related to the Bears proposal. This deliverable can be completed within approximately eight (8) weeks of contract authorization, receipt of kickoff payment, and receipt of all Bears proposal documents, studies, and financials.

Final Report – A Final Report will be prepared and submitted to the Client after receiving comments/edits to the Draft Report.

Advisory

Hunden will schedule regular calls with the Client, likely weekly, if not more often, to provide strategic advice to the Village.

Schedule

Hunden proposes to deliver the preliminary findings and peer review approximately six (6) weeks after the formal kickoff. A complete draft report of study findings and implications will be delivered approximately two (2) weeks later, eight (8) weeks after the formal kickoff.

Cost Proposal(s)

Study and Initial Advisory. Hunden proposes to complete the Study scope of work for a lump-sum fee of **\$200,000**, inclusive of any expenses for local travel and all data purchases.

Hunden will bill the Client according to the following payment schedule for the study component:

▪ Kickoff to initiate work	\$ 40,000
▪ Peer Review Findings (approx. wk. 6):	\$ 80,000
▪ Draft Findings (approx. week 8):	\$ 60,000
▪ Final Report:	\$ 20,000

*The aggressive timeline will require report comments from the Client within two business days of a deliverable in order to move to the next deliverable. Hunden is happy to extend the timeline if the Client needs more time to review and comment on deliverables.

Advisory. In addition to the Study, Hunden will provide advisory and strategy work for the Village of Arlington Heights, as described above. The commencement of this scope will be noticed/triggered by the Village of Arlington Heights. Upon the notice, Hunden will invoice for \$12,500 at the end of each month for six (6) months.

Prior to and after the triggered six (6) months of advisory period, Hunden's advisory work will be billed hourly plus expenses. Hunden will track time and provide a brief description of advisory work completed. Hunden will invoice for these services monthly.

Hunden's current rates are as follows:

▪ CEO and Exec VPs/Project Exec	\$480
▪ Any other Consulting Staff	\$360
▪ Administrative Staff	\$120

Hourly rates are fixed through December 31, 2025, and subject to a three percent (3%) annual increase thereafter.

Due to the nature of the project, the study and advisory may run in tandem, Hunden will advise the Village of Arlington Heights, in writing, if such a parallel billing scenario exists.



VILLAGE OF
ARLINGTON HEIGHTS
— INC. 1887 —

Village Board of Trustees
4/21/2025

Item: Roast 808 - 3350 W. Salt Creek Ln, Unit 115 - PC25-001
Land Use Variation to allow Bakery Products, Wholesale &
Production in the B-3, Comprehensive Plan Amendment,
Variation to waive traffic & parking study

Department: Planning & Community Development

Item Description:

Requested Action

1. Land Use Variation to allow Bakery Products, Wholesale and Production (Coffee Roaster) in the B-3 District.
2. Comprehensive Plan Amendment to reclassify the subject property as "Mixed Use"

Variations Required

1. Variation from Chapter 28, 6.12-Traffic Engineering Approval to waive the required parking and traffic study.

Recommendation

A public hearing was held by the Plan Commission on April 9, 2025. The Plan Commission unanimously recommended approval of the requested zoning relief as outlined below.

A motion to recommend to the Village Board of Trustees, approval of PC#25-001, a Land Use Variation to allow Bakery Products, Wholesale and Production (Coffee Roaster) in the B-3 District; a Comprehensive Plan Amendment to reclassify the subject property as 'Mixed Use'; with the following variation:

1. Chapter 28 of the Municipal Code, Section 6.12, Traffic Engineering Approval, to waive the required parking and traffic study.

This recommendation is subject to the following:

1. The Petitioner shall obtain a nationally approved certification for the roaster prior to issuance of a business license.

2. Building owner shall install a bike rack with at least two spaces at the time of building permit.
3. The Applicant will take all practical steps to minimize and mitigate odors emanating from the property.
4. The Petitioner shall comply with all Federal, State, and Village codes, regulations and policies.

ATTACHMENTS:

1. PC Staff Report - 4-9-25
2. 4-9-25 PC Minutes - DRAFT
3. Aerial
4. Exhibit A- Legal Description
5. Exhibit B-Project Narrative
6. Exhibit C-Written Justification to Variation Criteria
7. Exhibit C-Architectural Floor Plan
8. Exhibit D-Coffee Roaster Spec Sheet
9. Round 1 Review Comments



VILLAGE OF ARLINGTON HEIGHTS STAFF DEVELOPMENT COMMITTEE REPORT

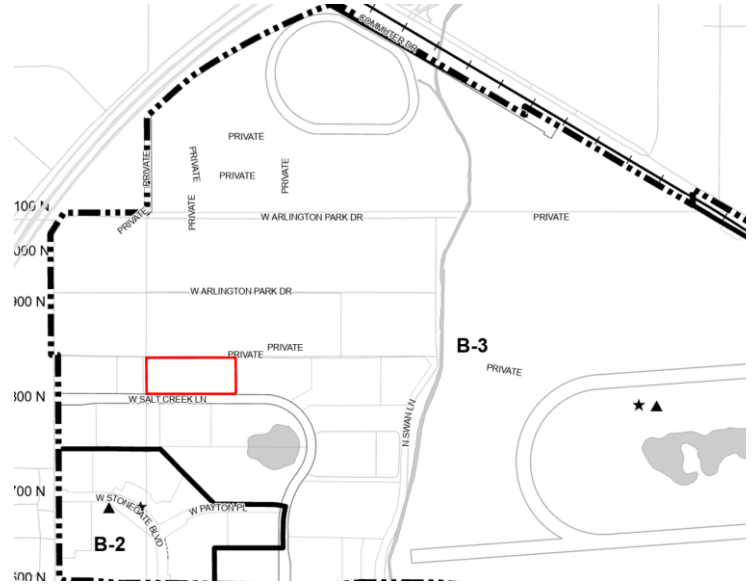
Temp File Number: PC 25-01
Project Title Roast 808
Address: 3350 W Salt Creek Ln.
PIN: 02-251-000-32-0000

To: Plan Commission
Prepared By: Rachel Hitzemann, Development Planner
Meeting Date: April 9, 2025
Date Prepared: April 4, 2025

Petitioner: Anna Parker

Address: 3350 W Salt Creek Ln.
Arlington Heights, IL 60005

Existing Zoning: B-3, General Service, Wholesale
and Motor Vehicle District
Comprehensive Plan: Offices Only



SURROUNDING LAND USES

Direction	Existing Zoning	Existing Use	Comprehensive Plan
North	B-3, General Service, Wholesale and Motor Vehicle District	Vacant (Arlington Downs)	Mixed-Use
South	B-3, General Service, Wholesale and Motor Vehicle District	Vacant (Park District Fields)/ Office Building	Mixed-Use
East	B-3, General Service, Wholesale and Motor Vehicle District	Office Building	Offices Only
West	B-3, General Service, Wholesale and Motor Vehicle District	Office Building	Offices Only

Requested Action

1. Land Use Variation to allow Bakery Products, Wholesale and Production (Coffee Roaster) in the B-3 District.
2. Comprehensive Plan Amendment to reclassify the subject property as "Mixed Use"

Variations Required

1. Variation from Chapter 28, 6.12-Traffic Engineering Approval to waive the required parking and traffic study.

Project Background

The subject property is located within the multi-tenant office building at 3350 W. Salt Creek Ln. The building is approximately 39,212 sf with 11 units. Access to the building comes from two driveways off of Salt Creek Lane.

The petitioner, Anna Parker, is looking to open a Coffee Roaster (Roast 808) business, where she will produce and sell coffee grounds. Additionally, small events and classes will be conducted within the unit. Ms. Parker has signed a lease for a 3,008 sq unit within the building. The proposed floor plan consists of a retail shelving area, barista/ brewing counter with café seating for 20 people and a coffee roaster area.

Roast 808 will be open 8:00am to 5:00 pm and will offer local pickup between 8am and 4pm on Wednesdays. Other pickups will be rescheduled. The petitioner expects to have only one employee. Special events will be held during off peak hours and will be designed for small groups (15 people or less).

Zoning and Comprehensive Plan

The property is located in the B-3, *General Service, Wholesale and Motor Vehicle District*. The proposed use is classified as a Bakery Products, Wholesale and Production, which is not permitted in this zoning district. As such, a Land Use Variation is required.

Land Use Variations shall only be granted when they conform to the four criteria of approval as outlined within the Zoning Ordinance. In order to demonstrate conformance to these standards, the petitioner has provided a written justification to the following criteria:

- 1. The proposed variation will not alter the essential character of the locality and will be compatible with existing uses and zoning of nearby property.**
- 2. 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.**
- 3. The proposed variation is in harmony with the spirit and intent of this Chapter.**
- 4. The variance requested is the minimum variance necessary to allow reasonable use of the property.**

The petitioner's response can be found in "Written Justification to the Land Use Variation Criteria" in the agenda packet. The SDC (Staff Development Committee) concurs with the petitioner's response to the Land Use Variation criteria for approval.

The Comprehensive Plan classifies this property as appropriate for "Office Only" uses. Based on Village Staff review of the petitioner's application, the comprehensive plan will need to be amended to show the property as "Mixed Use". The properties to the north and south of the subject site have "mixed designations" so the change will complement the surrounding area. Additionally, if the Arlington Downs gets redeveloped, the office properties to the east and west are also likely to be changed to "mixed use".

Building, Site and Landscaping

The petitioner is not proposing any changes to the exterior of the building or site. While not proposed at this time, any signage will require a separate sign permit.

Interior work to the unit includes new cabinets, a tasting area and storage space. Building Plans are attached to the agenda packet.

Coffee Roaster

Prior to receiving a business license, the petitioner will need to provide evidence to the Building Department that the proposed commercial coffee roaster machine is listed with a 'Nationally Recognized Testing Laboratory' like Canadian Standards Association, UL (Underwriters Laboratories), and ETL (Edison Testing Laboratories). These are private companies that are recognized in North America and elsewhere as the foremost authorities on product safety and reliability. The labs test everything from wiring color codes, breakers and fusing types/sizes, ignition systems, heat resistance, and the etc. to similar standards.

In 1990 a Land Use Variation was denied due to concerns regarding the odor produced by the roaster. That location was adjacent to residential and technology has advanced in the last 30 years. The petitioner responded to staff concerns about odor by providing documentation on their afterburners, which will reduce or eliminate odor and fumes. The petitioner is a small batch roaster, so only one roaster will be used at the facility. Staff will require the applicant to take all practicable steps to minimize and mitigate odors emanating from the Property.

Parking and Traffic

Per Code, a traffic and parking study by a certified traffic engineer is required for Land Use Variations located on any "local" street. Based on the limited additional traffic the use will generate, the petitioner has requested a variance to waive the traffic and parking study. The petitioner provided a written responses to the four hardship criteria necessary for Variation approval, as outlined below:

- **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 28.**
- **The variance requested is the minimum variance necessary to allow reasonable use of the property.**

Staff reviewed the responses to the justification for the variation criteria and supports the request.

The Arlington Business Center at 3350 Salt Creek Lane operates on a shared-parking model where parking is shared between all businesses within the office/business complex. The business center provides 157 parking spaces. Based on the parking calculations provided by the Applicant below, there is a surplus of 16 parking spaces.

The Bakery Products, Wholesale use requires one parking space per every two employees plus one parking space per vehicle used in operation. With one employee and assuming one vehicle, the parking requirement is 2. The surplus in spaces for the complex presents an opportunity to expand if necessary.

Unit No.	Tenant	Use	Unit S.F	Standard	Required Spaces
105-A	Busse, Busse & Grasse, P.C.	Office	2,523	1 / 300 SF of FA	8
105-B	Busse, Busse & Grasse, P.C.	Office	1,132	1 / 300 SF of FA	4
100-A	Vacant	Office	3,686	1 / 300 SF of FA	12

100-B	Vacant	Office	4,751	1 / 300 SF of FA	16
109	Davenport Chiropractic	Medical Office	5,867	1 / 200 SF of FA	29
110	Levin Orthopedics	Medical Office	5,074	1 / 200 SF of FA	25
114	The Chilay Corporation	Office	5,199	1 / 300 SF of FA	17
115	Anna 808 Parker	Bakery Products, Wholesale and Production	3,008	1 space for 2 employees + 1 per vehicle	2
116-A	Critical Environments	Office	3,493	1 / 300 SF of FA	12
116-B	Critical Environments	Office	1,634	1 / 300 SF of FA	5
117	Vacant	Office	2,845	1 / 300 SF of FA	9
TOTAL			39,212		141
	TOTAL PARKING REQUIRED	141			
	TOTAL PARKING PROVIDED	157			
	SURPLUS (DEFICIT)	16			

Based on the Bakery Products, Wholesale use, two bicycle parking spaces are required. The development does not currently provide any bicycle parking. The Applicant will need to provide the two (2) spaces per Code required for their unit.

RECOMMENDATION

The Staff Development Committee reviewed the proposed Land Use Variation to allow a Bakery Products, Wholesale and Production it to allow a Coffee Roaster on the subject property, a Comprehensive Plan amendment to reclassify the property as "Mixed Use", and Variation to Chapter 28 of the Municipal Code, Section 6.12-1 to waive the requirement for a traffic and parking study and recommends **APPROVAL** of the application subject to the following conditions:

1. The petitioner shall obtain a National Approved certification for the roaster prior to issuance of a business license.
2. Petitioner shall install a bike rack with at least two spaces at the time of building permit.
3. The applicant will take all practicable steps to minimize and mitigate odors emanating from the Property.
4. The petitioner shall comply with all Federal, State, and Village Codes, Regulations, and Policies.

April 4, 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: ROAST 808 - 3350 WEST SALT CREEK LANE - UNIT 115 - PC #25-001
 LAND USE VARIATION TO ALLOW BAKERY PRODUCTS, WHOLESALE &
 PRODUCTION IN THE B-3, COMPREHENSIVE PLAN AMENDMENT,
 VARIATION TO WAIVE TRAFFIC & PARKING STUDY

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 9th day of April, 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

ALSO PRESENT:

RACHEL HITZEMANN, Development Planner
 MICHAEL LYSICATOS, Assistant Director of Planning and Community Development

(Gavel pounded.)

CHAIRPERSON CHERWIN: All right, I'll call the meeting to order.
If everybody could stand for the Pledge of Allegiance?

(Pledge of Allegiance recited.)

CHAIRPERSON CHERWIN: All right, why don't we go with roll call?
Rachel, you want to do that?

MS. HITZEMANN: Yes.

Dawson.

(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.

COMMISSIONER SIGALOS: Here.

MS. HITZEMANN: Drost.

COMMISSIONER DROST: Here.

MS. HITZEMANN: And Cherwin.

CHAIRPERSON CHERWIN: Here.

All right, thank you.

We do have a quorum, so we will proceed with the meeting. Let's
see, first matter, III. Approval of Minutes from March 12th.

Is there a motion?

COMMISSIONER GREEN: I'll make a motion for approval.

CHAIRPERSON CHERWIN: Motion for approval coming from Bruce.

COMMISSIONER DROST: I'll second it.

CHAIRPERSON CHERWIN: We do have a second, motion to approve.

All in favor?

(Chorus of ayes.)

CHAIRPERSON CHERWIN: Any opposed?

COMMISSIONER SIGALOS: I've got to abstain; I was not at that meeting.

CHAIRPERSON CHERWIN: All right, John is abstaining. Thanks, John.

COMMISSIONER ENNES: I have a question.

CHAIRPERSON CHERWIN: You know what, Terry, just because I like you,
yes.

COMMISSIONER ENNES: Okay, within the conditions of the minutes, there
was an Item No. 2 that related to -- let me see.

CHAIRPERSON CHERWIN: In the minutes themselves?

COMMISSIONER ENNES: Yes, Condition No. 2, related to a chapter of the
code and the fees thereunder. What are those fees for? We didn't discuss that at the hearing.

CHAIRPERSON CHERWIN: Tough question.

MR. LYSICATOS: We're just going over it real quick.

29. COMMISSIONER ENNES: I think it was Chapter 29, fees under Chapter

MR. LYSICATOS: If it was Chapter 29, it shall be Subdivision Code.

MS. HITZEMANN: Subdivision.

COMMISSIONER ENNES: It was Condition No. 2.

MR. LYSICATOS: Okay, we'll be there one sec. Were there multiple applications --

COMMISSIONER ENNES: I'm sorry?

MR. LYSICATOS: -- because now we have all of the applications under one set of --

COMMISSIONER ENNES: Yes, it was Chapter 29 of the Village Code.

MS. HITZEMANN: Petitioner must provide all required fees in accordance with the requirements of Chapter 29.

MR. LYSICATOS: Okay, so I think that's basically calling out, excuse me, I believe that's calling out that they have to pay all the requisite subdivision fees. So, when you get your final plat, there is a number of fees, money that you have to put into the bonds for road improvements, things of that nature. So, the Subdivision Code has a whole host of fees for residential units, there is a fee structure for payments to the Park District, to the schools. So, there's a number of fees that are listed in Chapter 29.

COMMISSIONER ENNES: Okay, thank you.

MR. LYSICATOS: You're welcome.

COMMISSIONER ENNES: My apologies.

COMMISSIONER DROST: No, you're fine.

CHAIRPERSON CHERWIN: No, that's okay, good question.

All right, well, thank you for answering that, Michael and Rachel. I guess we can move on then, the minutes have been approved. We'll go to the first matter on the agenda which is, and the only matter, which is the Roast 808.

Rachel have all the public notices been given on that one?

MS. HITZEMANN: They have.

CHAIRPERSON CHERWIN: Good. I'm going to have whoever is going to be speaking on behalf of the Petitioner to come up here.

MS. PARKER: You know, this is going to be a ton of fun. As you know, I had surgery. So, it's going to be Mike and --

CHAIRPERSON CHERWIN: Here, just come on up. What I'm going to ask you to do is we're just going to do a real quick swearing in because you're going to provide some information for us. If you could just do me a favor and raise your hand?

(Witnesses sworn.)

CHAIRPERSON CHERWIN: If you could please just give us your name so that our reporter can, and then spell your last names so that we have it.

MS. PARKER: Anna Parker.

MR. ANZALONE: And Mike Anzalone.

CHAIRPERSON CHERWIN: Mike, can you say that again?

MR. ANZALONE: Anzalone.

CHAIRPERSON CHERWIN: Anzalone, okay. So, yes, if you guys want to

go ahead, whoever is presenting? You don't have to all stand up; however you want to do that. We have the screens right here, so everything that's up there we can see right here.

MS. PARKER: I did not, I wasn't sure what I was doing here.

Michael, do you want to talk at the mic? I didn't know I was going to have to present the whole thing. Everyone, I just had a really major surgery --

MR. LYSICATOS: To the mic.

MS. PARKER: I had a major oral surgery and they cut my jaw down, so I am not supposed to be talking.

CHAIRPERSON CHERWIN: Okay, well, somebody else do it.

COMMISSIONER DROST: Yes.

CHAIRPERSON CHERWIN: Yes, share responsibility here.

COMMISSIONER DROST: Have the good-looking guy do it.

MS. PARKER: That's why I had the guys here, but I didn't want to miss it.

MR. GIANDONATO: My name is Michael Giandonato.

CHAIRPERSON CHERWIN: Go ahead, Michael.

MR. GIANDONATO: I swear to tell the truth.

CHAIRPERSON CHERWIN: Michael, why don't you just do me a favor? That's a tough one, why don't we spell that?

MR. GIANDONATO: G-i-a-n-d-o-n-a-t-o.

CHAIRPERSON CHERWIN: Okay, thank you. That's helpful.

MR. GIANDONATO: Thank you.

CHAIRPERSON CHERWIN: So, what we'll do here is if you want to just give a presentation, you know, it doesn't have to be, you know, however you wanted to do it. You've got the slides here, we can see. If you want to talk to some of those for a few minutes, and then what we'll do is we'll ask the Staff to kind of explain their side of it for us.

MR. GIANDONATO: Sure, yes.

CHAIRPERSON CHERWIN: And then if we have questions, we may, you know --

MR. GIANDONATO: Yes. Not quite sure on what I'm supposed to say in the presentation. I can speak in generalities.

MS. HITZEMANN: It's a little difficult because it's not a PowerPoint.

MR. LYSICATOS: Oh, okay. Is it a Pdf?

MS. HITZEMANN: Yes, it's a Pdf.

CHAIRPERSON CHERWIN: Oh, yes, you can just scroll each page.

COMMISSIONER DROST: Yes.

CHAIRPERSON CHERWIN: Like that, you can just scroll it. We'll see it. Does that work?

MS. HITZEMANN: I can scroll it. You can just --

CHAIRPERSON CHERWIN: So, next slide if you want to move.

MR. GIANDONATO: Sure, yes. Yes, so Roast 808 is, I would classify it as a boutique roasting company that imports exotic or custom beans that are catered and tailored to specific tastes, whether it's Ethiopian blend or Nicaragua, Costa Rica, Colombia. What you're looking at the slide is the older location in Rolling Meadows. I had the pleasure and opportunity of spending some time with Anna and her son building this business over the past five, six years and, fortunate but unfortunate, vacating out of that location and looking to better and expand into Arlington Heights.

We think that this particular business brings a unique experience to the community here that is not present where Anna, when she can talk, she could teach folks how to roast coffee. The space could be used for learning how to create artisan blends and create a nice experience. Hopefully, I'm doing you justice here.

MS. PARKER: You do.

MR. GIANDONATO: I didn't know exactly what --

MS. PARKER: Are you able to read that?

MR. GIANDONATO: No, guys, I hit my mid-40's and I lost my vision here.

COMMISSIONER DROST: You can, and sight is --

MR. GIANDONATO: Yes, it's not good.

COMMISSIONER DROST: It's a bummer.

MR. GIANDONATO: Yes, I can't read text anymore.

MS. PARKER: I'm going to force myself to say it. So, I only do small batch roasting. It's a totally different type of coffee roasting. I import only specialty beans and I only roast 20 pounds at a time to ensure that every batch is cooked to perfection. When you scale up, you really lose control. It's similar to cooking steak on a skillet, if you put eight steaks in there, you're not going to get an even cook. If you put two, you're going to get an even cook, you're going to be able to control it.

My inspiration to open this business five years ago was I couldn't find a good cup of coffee anywhere. Dunkin' Donuts was the only coffee I could drink, and I said to my son, I said I think we got a shot at this. I think we should start learning. So, we started researching and traveling to all the different coffee roasters, you know, within a 20-mile radius of here. Experience, Dot Coffee, I tried their espresso, nothing was good. The acidity, it would hurt my stomach, I couldn't drink it, and I said we've got to provide something better for our community and create something like coffee that would be able to get the community together to, you know, gather around coffee and networking, connect everything.

So, for Rolling Meadows, what I would do is I would host all of the mayor meetings. I would host all of the networking meetings and their monthly meetings at no charge to the village in an effort to connect new businesses that were going to come into the village so that we could grow as a team as opposed to an individual unit.

Hope that gives you kind of a better, this is the roaster and that's me roasting my first batch five years ago. What I offer is a private label for corporations, campaigns, it could be anything really. I make private label coffee; I design a coffee label. Dr. Glazer, I'm not sure if you're familiar with him, his office is in Arlington Heights and he was one of the first private labels that I did. The campaign was amazing. He was trying to kick off a product that he licensed with my coffee for body scrub with the coffee grounds, and it took off and it was incredible. I realized there was something big there.

So, I started to do private labels. I've done over 50 private labels for different companies, corporations, even individuals as, you know, family Christmas gifts or whatnot, wedding favors. You name it, I've done it. I've taken coffee to another level.

I also integrated with Harper College for two years and hosted the Young Entrepreneurs Academy at Roast 808, teaching these college students who are interested to come into the coffee industry how it works, how to source it, what a coffee bean is and just giving them all this education and then an opportunity at no charge to have a hands-on experience roasting. This is what I want to create here in Rolling Meadows, or I mean, Arlington Heights. I'm so, so sorry.

This is the proposed new location. You know, it's ready to be moved in. I just need the grant from the Village to be okay with the land use variation. Those are the different origins I offer, there are eight of them. And yes, I think I just heard the word tariff?

COMMISSIONER DROST: Oh, no.

MS. PARKER: Oh, I was going to say the tariffs might hurt me, but I'm not giving up.

CHAIRPERSON CHERWIN: Thank you. Is there anything else at this point or shall we turn it over to Staff? We may have some questions to follow-up. Was there anything else you wanted to say before we turn it over to Staff?

MS. PARKER: I love Arlington Heights and I really want to be here, and I want to give everyone my coffee.

CHAIRPERSON CHERWIN: Well, thank you. So, at this point, if you guys want to take a seat again, that's fine. We'll come back to you with some questions.

MR. ANZALONE: I just have a quick thing to add. Once we get into what the variances and stuff are, we have questions on why they are what they are, so the culture of what's happening here overall.

CHAIRPERSON CHERWIN: Okay.

MR. ANZALONE: Okay, so we just have some backup information for it, plus we have the drawings here to show you what we're doing to the space which is basically just painted the space and reusing it.

CHAIRPERSON CHERWIN: Okay, yes, we'll talk about that part unless you want to --

MR. ANZALONE: Okay, yes. The variations and stuff they're asking for, we don't think --

CHAIRPERSON CHERWIN: Do you want to bring them up at this point or you want to --

MR. ANZALONE: It's however you guys want to do it; it's up to you.

MS. HITZEMANN: Are you talking about the conditions that we're asking for?

MR. ANZALONE: No, the actual, because it shows on here you got it set as a bakery? This is not a bakery at all, this is not a public space. This is not open to the Village, open to the public space.

MS. HITZEMANN: So, the classification is Bakery Products, Wholesale and Production, so this would be classified as the Bakery Production. Unfortunately, we don't have, it's the closest classification we have to what Anna is doing, and that's why it has to fall under this specific use.

MR. ANZALONE: So, the question I have for that is, the place that's directly next door, what's it called? Chilean Corporation?

MS. PARKER: Yes.

MR. ANZALONE: They basically do the same exact thing, but with seasonings. So, they didn't go through all this stuff to do that. So, that's the question we're asking.

MS. HITZEMANN: Yes, I'm not aware of that. We'd have to look into it.

MR. ANZALONE: Okay, so I guess we're not setting a precedence here, and that's what we're getting at, I guess. So, the store next door to them does exactly the same thing, just with seasonings as opposed to she's doing it with coffee grounds. What's that?

CHAIRPERSON CHERWIN: Okay, well, why don't we let the Staff kind of present their thing and then we can bring this issue up later and --

MR. ANZALONE: Yes, okay.

COMMISSIONER DROST: And figure it out, yes.

CHAIRPERSON CHERWIN: Thank you.

MS. HITZEMANN: All right, thank you, Mr. Chair.

So, the subject property is located at 3350 West Salt Creek Lane. The Petitioner is Anna Parker who is the business owner. The proposal tonight is for a small batch coffee roaster in the B-3 General Business District. The requested zoning action tonight is for a land use variation to allow bakery products, wholesale and production use in the B-3 district; a Comprehensive Plan amendment from 'offices only' to 'mixed use'; and a variation to waive the required parking and traffic study.

Bakery products, wholesale and production is only allowed in the M-2 district currently, so a land use variation is required for this roaster to operate in this location. Since the Comprehensive Plan currently lists the property as 'offices only,' the Comp Plan will need to be amended to 'mixed use.' This is consistent with the property to the north and south of the subject property, as you can see on this map. All of those properties are mixed use, as well as with the office market declining, we suspect that other buildings will need to be changed to mixed use down the road. So, it's likely that all of this we may see as mixed use at some point in the future potentially.

Ms. Parker will rent a 2,983 square-foot unit in the office complex space for a roaster and tasting area. The owner of the building is aware of this petition and is supportive of the use within the building.

Roast 808 has one employee and is open from 8:00 a.m. to 5:00 p.m. Local coffee pickups will be between 8:00 a.m. and 4:00 p.m. on Wednesdays, with other pickups scheduled in advance. Ms. Parker also intends to host special events and classes which will be held in the off-peak hours. The event and class sizes will have 15 people or less typically.

The coffee roaster itself will have industry standard exhaust systems as well as afterburners which will help eliminate odors and fumes. The Building Department has requested that the roaster be nationally licensed by a testing laboratory. Staff has listed this as a condition, and the license will need to be done prior to obtaining a business license. I've been in contact with Ms. Parker who has indicated that she has started that process already if not has already finished it, but she'll need to provide that evidence for us.

The parking requirement for this use is one space per two employees, plus one for any vehicles used in the operation of the business. Assuming there is one vehicle, the parking requirement will be two spaces, making the total complex requirement 141 spaces. The current site has 157, resulting in a 16-space surplus. Since there is a surplus in spaces and the access to the site remains unchanged, Staff supports the Applicant's request to waive the traffic and parking study. Two bicycle parking spaces will need to be installed on the property as part of the building permit.

The Staff Development Committee recommends approval of the application subject to those conditions that are on the slides and are listed in the Staff report. That concludes my presentation unless you have any questions.

CHAIRPERSON CHERWIN: Thank you, Rachel.

Is there a motion to submit the Staff report into the record?

COMMISSIONER JENSEN: So moved.

CHAIRPERSON CHERWIN: Can I get a second?

COMMISSIONER GREEN: Second.

CHAIRPERSON CHERWIN: All right, all in favor?

(Chorus of ayes.)

CHAIRPERSON CHERWIN: Any opposed?

(No response.)

CHAIRPERSON CHERWIN: Okay, motion passes. So, the Staff report is submitted.

I would ask the Petitioner, were you able to read the Staff report ahead of time, and do you have any objections to the four conditions that were placed on your development? I think that's what you want to talk about?

MS. PARKER: I do not. The only condition is the bike rack, to install two bicycle racks?

MS. HITZEMANN: Yes, so that would be on the owner and we'll work with them to get that done.

MS. PARKER: Okay, outside of that, no.

CHAIRPERSON CHERWIN: All right, thank you. Well, we'll see if the Plan Commissioners here have any questions. We'll start with Mr. Jensen.

How do you feel about bike racks?

COMMISSIONER JENSEN: I'm not going to speak to bike racks.

COMMISSIONER DROST: It's a racking issue.

COMMISSIONER JENSEN: I was very impressed with this proposal when you came before the Conceptual Plan Review Committee.

MS. PARKER: Thank you.

COMMISSIONER JENSEN: So, I think it's a wonderful project. I really don't have any questions other than the one we sidestepped which is are you still going to be financially feasible with the tariffs? Although we don't know whether they're going to have one today, tomorrow or whatever, but you know, you might face something of, well, depending on where you get your beans, of 10 percent or more, what's that going to do to your ability to be financially viable?

MS. PARKER: I love that question. So, I have been working tirelessly trying to start this up and we have secured a distribution for the green beans. So, I will be good for at least two years. Yes, it was very difficult, but I did it.

COMMISSIONER JENSEN: Yes, I think it's a great project. I'm very supportive.

MS. PARKER: Thank you.

COMMISSIONER SCHURTZ: This is not a retail space?

MS. PARKER: No.

COMMISSIONER SCHURTZ: Can we get your, can we buy your coffee? You make me want coffee.

MS. PARKER: Yes. Yes, you absolutely can. So, in Rolling Meadows, and I know, you know, this Village is a little different with being open to the public, it took me about two years before I was getting customers finding me on Google and coming to the front door. If I was roasting, I wouldn't be able to hear the door bell. So, I have someone and I will eventually be able to have people come in. So, yes, if you, you know, sent an e-mail or you had reached out or called the phone number, left a voicemail, I will definitely set up a time for you to kind of take a

small little tour and see everything.

COMMISSIONER SCHURTZ: I'm very supportive of this, too. I think it's great.

MS. PARKER: Thank you. And you can also buy the coffee online.

COMMISSIONER SCHURTZ: Good. Good to know.

MS. PARKER: And Walmart.com, guys, just got into Walmart.com. Yes, I did it.

CHAIRPERSON CHERWIN: That's great.

Next one, Joe?

COMMISSIONER LORENZINI: No questions really. I think it's a good project. At first, I thought it was going to be like a little restaurant, but you've clarified everything for me so it makes a lot more sense now.

MS. PARKER: Yes.

COMMISSIONER LORENZINI: I'm going to talk to Dr. Glazer; I've been going to him and my family.

MS. PARKER: You know him.

COMMISSIONER LORENZINI: I've been a patient of his and he never brought this up to me so I have to go talk to him.

MS. PARKER: You'll have to tell him. Tell him you got to meet Anna Parker and he'll go, you know, he'll give you a whole earful.

COMMISSIONER LORENZINI: Okay, nice project. Thank you.

MS. PARKER: Thank you.

COMMISSIONER GREEN: I think it's a great project, and I just don't understand why you're afraid of the smell of roasting coffee.

MS. PARKER: I'm not afraid of the smell.

COMMISSIONER GREEN: I can't even imagine that.

MR. ANZALONE: It smells good.

COMMISSIONER GREEN: I know it does. I can't imagine. Maybe you could put that in a bag and sell it or something. Anyway, it's a great project.

MS. PARKER: Thank you. I was thinking of contacting Jelly Belly and having them make a Roast 808 bean.

COMMISSIONER GREEN: There you go.

MS. PARKER: What do you think of that?

COMMISSIONER GREEN: Good ideas.

CHAIRPERSON CHERWIN: All right, why don't we go down here?

John, what do you think?

COMMISSIONER SIGALOS: No, I was, you know, I heard your presentation at the Conceptual Plan Review Committee, I'm fully supportive of yours. I just had a question. Your facility in Rolling Meadows you said, that's closed? You're not there any longer?

MS. PARKER: I am no longer there, correct.

COMMISSIONER SIGALOS: Okay, and if I remember right, at the Conceptual Plan Review, you had mentioned you bought new equipment which will mitigate any odors?

MS. PARKER: You are correct.

COMMISSIONER SIGALOS: So, I mean, again, I personally like the way coffee smells, but have you ever had like complaints in your previous location?

MS. PARKER: Never, not one. Not one. The airflow off of the Expressway right there where the unit is, it's enough to pull it. If you burn, you don't smell anything. Traditionally, when you're doing like bulk, you know, mass production, of course you're going to smell the coffee roasting, but when it's a small batch, you don't, but I did pay for an internal afterburner.

COMMISSIONER SIGALOS: Right.

MS. PARKER: So, it would burn off any chaff.

COMMISSIONER SIGALOS: Yes, I remember you mentioned that at the previous meeting.

MS. PARKER: For two reasons. One, what it does is it, you know, helps to protect any chaff fire that may happen within the stack. That's number one, and then number two, there is no smell, almost none.

COMMISSIONER SIGALOS: Okay, so again, you're basically closed to the public for sale, but if somebody calls you and makes a specific appointment, time, whatever, to come in, you would sell coffee to --

MS. PARKER: That's correct.

COMMISSIONER SIGALOS: Let's say if I come in, again, you'll sell coffee to me?

MS. PARKER: Absolutely.

COMMISSIONER SIGALOS: But not just coming in, I've got to make an appointment?

MS. PARKER: Yes, until I'm, you know, up and running and open on Wednesdays, you are more than welcome to come in between 8:00 and 4:00. I do not charge for the coffee. I want you to try every one of my origins. So, I do free tasting in an effort to sell the bags.

COMMISSIONER SIGALOS: I have no further questions. I am very supportive of your project.

MS. PARKER: Thank you.

COMMISSIONER ENNES: I think it sounds like a good project. Could we get the floor plan?

MS. HITZEMANN: Yes.

COMMISSIONER ENNES: So, I'm a little confused. So, you do food processing, roasting coffee?

MS. PARKER: If that's what you want to classify it, yes, food processing.

COMMISSIONER ENNES: And it's not retail, but at some point you want to be open to the public?

MS. PARKER: I'd like to be open for customer orders. So, on the website, it will --

COMMISSIONER ENNES: Do you have a tasting area?

MS. PARKER: I do.

COMMISSIONER ENNES: You have tables for, I don't know, classes or something?

MS. PARKER: Yes.

COMMISSIONER ENNES: So, and we're only requiring two parking spots?

MS. PARKER: Correct.

MS. HITZEMANN: Correct, per the code.

COMMISSIONER ENNES: Two parking spots, but when you have --

COMMISSIONER GREEN: There's surplus.

COMMISSIONER ENNES: What?

CHAIRPERSON CHERWIN: There's a surplus.

MS. PARKER: There's a surplus of 16.

MS. HITZEMANN: So, the two parking spaces is based on like the classification of the code. The use is bakery products and so it requires one space per two employees plus one space per operational vehicle, so we've rounded that to two. There is an additional surplus of spaces on the site, so if she did expand and required a higher number of parking spaces, the site would be able to accommodate that, but that, we're just basing it on the parking requirements of her current operation.

COMMISSIONER ENNES: Okay, I just find it conflicting to be, you know, a commercial use and yet eventually it's going to, it's not commercial?

MS. HITZEMANN: So, it's currently not, we're not classifying it as a commercial use because she is mainly just roasting there. She is holding those classes and special events after hours which does not interfere with the other uses in that complex. So, if the spaces weren't, if she needed extra spaces, they would be unoccupied during that time.

COMMISSIONER ENNES: Okay.

MS. HITZEMANN: However, we're not classifying it as commercial retail because she is not open to the public for, you know, the everyday normal hours, et cetera. She has to, they'd have to be order online to come and pick up or schedule in advance to come and pick up. So, it's not a typical retail operation.

COMMISSIONER ENNES: Okay, so she's not going to require that now, but she'd like to develop to that.

MS. HITZEMANN: Possibly, yes.

COMMISSIONER ENNES: If she wants to change that to retail, does she have to come back in?

MS. HITZEMANN: She would have to come back in or find a different site, yes.

COMMISSIONER ENNES: Okay, I support it. I think it's a great idea.

MS. PARKER: Thank you.

COMMISSIONER ENNES: You could be the next, well, you don't want to be the next Gloria Jean's, but the next small batch Gloria Jean's.

MS. PARKER: I could be.

COMMISSIONER ENNES: Yes. Yes, she did okay.

MS. PARKER: Thank you.

CHAIRPERSON CHERWIN: George?

COMMISSIONER DROST: Yes. The general point or the question that was asked was bakery qualification. I think, and maybe Rachel or Michael can speak to this particular issue, is that we have an ongoing process here of re-looking at our ordinances and our designations. We recognize there's economic forces that have come and technological forces, and we do have to kind of keep up with the Joneses really and, you know, this information society has really changed it a lot. So, maybe you want to speak to that as to what the Village is doing and we're not sitting on our hands.

MS. HITZEMANN: Yes. We're in the process of looking at our code and the uses and amending the Zoning Code to kind of simplify it and --

COMMISSIONER DROST: Contemporize it.

MS. HITZEMANN: Yes, contemporize it. We have a lot of zoning uses that are very specific that may not be relevant in this day and age, and so it is a process that we're looking at. We just haven't gotten there yet.

COMMISSIONER DROST: Yes, you might not want to go into coffee roasting and tattoos, you know. It's tricky, so, you know, to that point, you can step off the ledge a little bit.

MS. HITZEMANN: Yes, and to that point, you know, we don't want to make any uses that are super-specific either. So, it's kind of a fine line of not being too broad, but not being too specific either, and so that's part of our analysis as well.

COMMISSIONER DROST: Yes, but this is exciting, you've got a lot of enthusiasm. You know, you're smart with inviting the mayor and council members and public officials to, you know, invite to taste Roast 808. How did you come up with the name? What's the story there? Do you have a marketing branding person?

MS. PARKER: I love that question. So, 808 is an angel number and I am Catholic; I was raised Catholic. I didn't want to bring religion necessarily into the logo itself or into the brand, but I wanted it to reflect me. The angel number 808 stands for endurance, prosperity, and basically overcoming all obstacles.

I felt that it would be a wonderful moniker for the brand to be a number of coffee as opposed to a name. You know, what's in your cup? Dunkin'. What's in your cup? Starbucks. What's in your cup? Caribou. What's in yours? 808. It sounds cool; it sounds hip; I like it.

Then the angel wings and the triangle on the logo represent, you know, mind, body and spirit, Father, Son and Holy Spirit. So, I was able to pull in, you know, my religious background with that and make this a guiding light to the brand.

COMMISSIONER DROST: Yes, that's a good explanation, thank you. From a marketing standpoint where you couldn't find cup of coffee around here --

MS. PARKER: I couldn't.

COMMISSIONER DROST: Wal-Mart is going to be selling your product which is amazing.

MS. PARKER: They are.

COMMISSIONER DROST: Did you go downtown to Bentonville to do this or how did you --

MS. PARKER: No.

COMMISSIONER DROST: Tell us.

MS. PARKER: They called me, which blew my mind. I got the phone call in Target and I did not, I thought it was fake. I'm like there is no way. So, as I'm talking, I'm putting the lady on speaker and then typing the phone number to see if it's actually Wal-Mart corporate. She's telling me she e-mailed me, I said we haven't, there's no e-mail in here. She goes, oh, no, I e-mailed you. I said please forgive me here, but there are a ton of scams out there, I just, I really don't believe it. She was I'll give you my e-mail right now, and I typed her e-mail in and sure enough it was Wal-Mart corporate.

They are initiating a new campaign. She knows someone from Chicago that had my coffee and she was staying there for the weekend. So, what she did was she looked up the coffee, tried the coffee at her friend's place, fell in love with it, and she put me in a lottery to be pulled for this new Wal-Mart campaign called Local Finds. It's all local artisan

food producers, you know, down to soaps and candles that they're launching, which is very exciting.

COMMISSIONER DROST: Sounds like the 808 angel hit the mark.

MS. PARKER: See? You see, yes, it did.

COMMISSIONER DROST: To the point I was raising about coffee, you know, that you're sort of a coffee snob because you can't find a good cup of coffee here, what about educating some of our coffee shops in Arlington Heights? Do something very, very local. Coco and Blue, for instance, you know.

MS. PARKER: I love that.

COMMISSIONER DROST: Maybe set up this part, and I'm not trying to work your business plan, but there's a little bit of, you know, excitement here.

MR. ANZALONE: Yes, we talked about that.

MS. PARKER: I have opened five cafes by helping the owners consult on how to open a coffee shop, taught them where to place everything, went in there myself and marked everything off on the floor where their counters are going, where their espresso machine should be, where their sink should be for coffee, you know, making, brewing the coffee. It took off.

Hampshire Social is probably one of my greatest accolades that I can show. It's in Hampshire, Illinois. They do a private label with me; it's called 124 State which is the address of the building. I do a car show there every summer and they are just killing it. I mean, it's 808 coffee, but it's Hampshire Social's brand, and the place, if you've ever had an opportunity to go, it's incredible. It took us four months to build that out, but it's beautiful.

So, yes, exactly what you're saying, I would love to be able, 10 years of research and knowledge on coffee, and to keep it in here does nobody any good. I want to share it.

COMMISSIONER DROST: Yes. It's interesting because Michael Brown who has Coco and Blue, he's opening another coffee shop in our neighboring community of Mount Prospect. So, something good does occur in Arlington Heights that we can share. So, welcome to the neighborhood.

MS. PARKER: Thank you. Thank you so much.

COMMISSIONER ENNES: Do you make a cold brew?

MS. PARKER: I do.

COMMISSIONER ENNES: All right.

MS. PARKER: Oh, do I have a cold brew for you.

COMMISSIONER DROST: Yes, but actually that's an important point because you missed one opportunity here is to bring us a cup of coffee and you didn't do that.

MS. PARKER: Mr. Drost, guess what, on that first meeting, I brewed coffee for everyone and everyone got a gift bag.

CHAIRPERSON CHERWIN: I had it; it was good.

COMMISSIONER DROST: I missed it, okay. Thank you.

MS. PARKER: This appointment, due to the surgery, I did not prepare. So, I am sorry, I did not prepare coffee.

CHAIRPERSON CHERWIN: I can attest to it, it's excellent.

MS. PARKER: Thank you.

COMMISSIONER DROST: Back to the point, go ahead.

CHAIRPERSON CHERWIN: Yes, back to the point. So, I think it's a great

project. I liked it in the Conceptual.

So, yes, I mean, the thing with the odors is, I mean, I love the smell of coffee, I'm fine with it but, you know, we do have to be careful with odors because that happens from time to time, unexpected things happen when maybe production ramps up. So, I think that's the reason that that's in there, and the Village has to have some level of control over it or else, you know, it could turn nasty if the Village has no way of helping control if there's complaints.

The bike rack is a condition in there. What is the practical, I mean, is this really going to be of use for anybody in this shop, having a bike rack?

MS. PARKER: I did not put that in here.

CHAIRPERSON CHERWIN: No, I know you didn't; trust me.

MS. PARKER: No. No, sir, I do not believe people are going to be riding their bicycles to my coffee shop, no.

CHAIRPERSON CHERWIN: Yes, I think it's a relatively impractical thing that we do, but we do it because that's what the --

COMMISSIONER ENNES: Bike Commission wants.

COMMISSIONER DROST: Bike Commission.

CHAIRPERSON CHERWIN: Yes, even though it makes zero sense. So, let's see. Yes, I think I don't have any questions. I think that it's a good project. I'm really happy for you. It sounds like you've done a great job and you've gotten some good, you know, you've given a lot and hopefully you're getting some back now and, you know, it's obviously come full circle.

So, I'm really excited for you. I think it's going to be a good project. I think this area is going to be interesting. We just have to have some flexibility because of the others in that area, so --

MS. PARKER: Sure.

CHAIRPERSON CHERWIN: -- we have to be accommodating. I will tell you, I'm not a big fan of this whole land use variation thing that we do here, but that's kind of where we sit and I'm okay with it.

I know that we talked about a neighboring site or whatever in terms of what their approvals were, but I would say, you know, we are where we are here. You know, I don't like to re-litigate that kind of the process of anything assuming things go well here and the next step with the Board regardless of what a neighbor might have gotten or might have had to go through. So, that would be my advice on it.

Yes, Lynn?

COMMISSIONER JENSEN: Just one more question. So, you've stressed that you're a small scale roasting.

MS. PARKER: Correct.

COMMISSIONER JENSEN: When you have success because you are bringing a lot of energy and a lot of creative ideas through marketing, when you're successful, can this thing be scaled up?

MS. PARKER: It can be scaled up, but it's going to take a lot more roasters.

COMMISSIONER JENSEN: So, you're going to keep the nature of it being small roast even though you might have to have many small roasters?

MS. PARKER: Yes.

COMMISSIONER JENSEN: I see.

MS. PARKER: And the reason being is I tried, in lieu of not having the unit,

the old roastery, I had to roast somewhere, so I tried using other facilities to see if I could, you know, rent roasteries and be able to still produce. Cannot do it. 100-pound roaster, even 50 pounds, it doesn't taste the same.

COMMISSIONER JENSEN: Interesting.

MS. PARKER: So, I have a little secret here, and it's a golden nugget and I did not want to let it go.

CHAIRPERSON CHERWIN: So, I think, yes, I mean, I think my only concern would be we want to, you know, provide you with some flexibility so that you can, if you have to get another roaster or whatever, and then we go from roasting 20 pounds a day to, if it's three roasters, being able to roast 60 pounds a day, and so that is, you know, my only concern would be, you know, and I think we're covering it here with No. 3, practical steps to minimize and mitigate odors on the property, but you know, if we do wrap this thing up, we just want to make sure, I mean, it's not really an industrial location where a lot of stuff is going on. There's going to be a development to the east going in and to the south more stuff. So, we just need to be mindful of that.

MS. PARKER: Of course.

CHAIRPERSON CHERWIN: And do it in a way that's, you know, we want them to grow their business, but we also don't want to be in a situation where, you know, someone is complaining about odors which has happened in the area, not, you know, currently, I think. So, we just have to be mindful of that.

MS. PARKER: If I can speak to that really quick? I will not, the unit, the current unit is too small for multiple roasters. So, no, I would be opening a whole another location.

CHAIRPERSON CHERWIN: Yes, all right. That's great. That helps clear it.

MS. PARKER: Yes.

CHAIRPERSON CHERWIN: Because I think it seems like that's the case, but we just want to make sure it stays manageable. So, that's my only concern and question. I think we've got some precautions in place.

COMMISSIONER ENNES: Are we ready for a motion?

CHAIRPERSON CHERWIN: I was going to ask. Would anybody like to make a motion?

COMMISSIONER ENNES: I would make a motion.

A motion to recommend to the Village Board of Trustees approval of PC #25-001, a Land Use Variation to allow Bakery Products, Wholesale and Production (Coffee Roaster) in the B-3 district; a Comprehensive Plan Amendment to reclassify the subject property as 'mixed use'; with the following Variation:

1. To Chapter 28 of the Municipal Code, Section 6.12, *Traffic Engineering Approval*, to waive the required parking and traffic study.

This recommendation is subject to resolution of the following:

1. The Petitioner shall obtain a nationally approved certification for the roaster prior to issuance of a business license.
2. Building owner shall install a bike rack with at least two spaces at the time of

building permit.

3. **The Applicant will take all practicable steps to minimize and mitigate odors emanating from the property.**
4. **The Petitioner shall comply with all federal, state, and Village codes, regulations and policies.**

COMMISSIONER ENNES: **And I would recommend that condition No. 2 be excluded.**

CHAIRPERSON CHERWIN: You know, can I just put that aside? I just totally failed to open it up to the public comment. I'm so sorry. Procedural error. I got so excited about the Sumatra coffee.

Is there any member of the public here? I'm going to open this up for public comment before we make a vote on that motion.

COMMISSIONER ENNES: Okay.

CHAIRPERSON CHERWIN: But is there a comment from the public?

COMMISSIONER ENNES: Good catch.

PUBLIC COMMENTARY FOR PC #25-001

MR. MOENS: Thank you, Chair, for catching that little thing there, and the motion has not been made I assume on this?

CHAIRPERSON CHERWIN: That is correct.

MR. MOENS: There's no second, okay. Yes, I would ask that you keep the bike rack requirement in there. I ride my bike anywhere. If I would like to visit, I would have to ride my bike there. So, I would ask that you comply with the Municipal Code to keep the bike rack in this application. Thank you.

CHAIRPERSON CHERWIN: Thank you.

All right, anybody else from the public that I can't see?

(No response.)

CHAIRPERSON CHERWIN: No, all right. Well, we will close the public comment and I will continue to ask Mr. Ennes to, I am unpausing his motion.

So, why don't you --

COMMISSIONER ENNES: I'm a bike rider also, but I would make the motion as stated and we can approve or disapprove.

CHAIRPERSON CHERWIN: Okay, thank you.

MR. LYSICATOS: Just to clarify, the motion as stated is to exclude Condition No. 2?

COMMISSIONER ENNES: Yes.

CHAIRPERSON CHERWIN: Yes.

MR. LYSICATOS: Okay.

CHAIRPERSON CHERWIN: Okay, so the motion is on the floor.

Is there a second?

COMMISSIONER GREEN: I would second that.

CHAIRPERSON CHERWIN: Okay, so the motion on the floor --

COMMISSIONER GREEN: Exactly the way it was stated.

CHAIRPERSON CHERWIN: So, that is the motion on the floor and to

exclude No. 2.

Why don't we do a roll call vote, Rachel?

MS. HITZEMANN: Drost.

COMMISSIONER DROST: Aye, with comment.

MS. HITZEMANN: 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: Sigalos.

COMMISSIONER SIGALOS: Yes.

MS. HITZEMANN: Cherwin.

CHAIRPERSON CHERWIN: Yes.

All right, motion passes. There is a comment.

COMMISSIONER DROST: Yes, and it's on the bike rack in deference to Mr. Moens. I voted to exclude it because it just makes common sense. We don't want you injured on these busy highways, on Euclid and stuff. Yes, I mean, it's, you have to look at the impact, and there are areas where bike racks are totally compatible, but there's other places that they're not. So, we have to kind of apply a, again, common sense to what really will be used and does it really serve the public. So, that's my comment.

CHAIRPERSON CHERWIN: Okay, thank you for your comment.

Congratulations to the Petitioner. We are a recommendation body so this is not the final approval, but you do have a positive recommendation from us. Your next step will be at the Village Board, and Rachel will help guide you to the next steps and the timing for that. So, thank you, congratulations. I hope your mouth feels better and wish you a lot of luck with this.

COMMISSIONER GREEN: Good luck.

COMMISSIONER DROST: Yes.

MS. PARKER: I appreciate all of you. Thank you so much.

COMMISSIONER DROST: You're welcome.

CHAIRPERSON CHERWIN: All right, happy roasting.

MR. ANZALONE: Thank you so much, guys.

MS. PARKER: I can't wait for you to come in.

COMMISSIONER ENNES: Just because we excluded the bike rack, just because we excluded it doesn't mean you can't put it in if you want to.

MS. PARKER: Oh, do they make single bike racks?

COMMISSIONER DROST: Yes, they call it hitch --

MS. PARKER: Just kidding, guys.

CHAIRPERSON CHERWIN: All right, so there is no other public hearing. Other business, there's nothing. I will, at this time, I guess open it up to public comment in general, unrelated.

(No response.)

CHAIRPERSON CHERWIN: There is no public comment.

So, I think we'll, is there a motion to adjourn?

COMMISSIONER DROST: I'll make that motion to adjourn.

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. Meeting is
adjourned.

(Gavel pounded.)

CHAIRPERSON CHERWIN: Thanks, everybody.

(Whereupon, at 8:14 p.m., the public hearing on the above-mentioned petition was adjourned.)

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



EXHIBIT A
Legal Description

For APN/Parcel ID(s): 02-26-201-022-0000 and 02-25-100-032-0000

LOT 2 (EXCEPT THE WEST 180 FEET), LOT 3 AND THE WEST 230 FEET OF LOT 4 IN ARLINGTON PARK OFFICE CENTRE, BEING A SUBDIVISION OF PART OF THE NORTHWEST 1/4 OF SECTION 25 AND PART OF THE NORTHEAST 1/4 OF SECTION 26, TOWNSHIP 42 NORTH, RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.



Dear Staff Development Committee,

Thank you for your thoughtful review of the conceptual plan for Roast 808 at 3350 W Salt Creek Ln. We greatly appreciate the opportunity to collaborate with the Village of Arlington Heights on this project and are fully committed to addressing your feedback and meeting all applicable codes and standards. Below, I've provided responses to your comments and preliminary feedback:

Zoning Comments

1. Land Use Variation and Traffic/Parking Study Waiver

We understand that a Land Use Variation is required for our proposed use as a "Coffee Roaster," defined as "Bakery Products, Wholesale and Production" under Section 5.5-1 of Chapter 28 of the Municipal Code. Additionally, we understand the requirement to waive the full Traffic & Parking Study will require Plan Commission and Village Board approval.

While we are not open to the general public, our operations are designed to minimize any impact on traffic flow in the area. Regular business hours will align with traditional corporate working hours, and occasional events, such as coffee tastings and educational sessions, will be scheduled during off-peak times and adhere to occupancy regulations.

Written Response to Approval Criteria:

- a. The proposed use will not alter the essential character of the locality and will be compatible with existing uses and the zoning of nearby properties. Roast 808 will operate in a professional manner and align with neighboring business operations.
- b. The plight of the owner is due to unique circumstances. The space has been vacant for an extended period, and our business model provides an opportunity to make productive use of the property while enhancing the community.
- c. The proposed variation is in harmony with the spirit and intent of the Municipal Code. Our coffee roasting operations, small events, and commitment to community engagement align with the code's goals for a thriving business district.
- d. The requested variance is the minimum necessary to allow reasonable use of the property. Roast 808's operations are tailored to meet the space's capabilities and comply with local regulations.



OWNER: ANNA PARKER
AP@ROAST808.COM
630-379-9184

General Comments

2. Hours of Operation and Events

- Business hours: Traditional corporate hours (e.g., 8:00 AM – 5:00 PM).
- Events: Specialty coffee tastings and educational sessions scheduled during off-peak hours, designed for small groups and conforming to occupancy regulations.

3. Local Pickups

Local pickups will be limited, pre-scheduled, and conducted without disruption to surrounding businesses or traffic flow.

4. Class Sizes

Educational events will host small class sizes, typically fewer than 15 participants, ensuring compliance with occupancy limits and maintaining a controlled environment.

5. Odors and Fumes Mitigation

Our coffee roasting equipment is equipped with industry-standard exhaust systems, including afterburners, to effectively eliminate odors and fumes. We will ensure all exhaust systems meet IMC and IFC code requirements.

Building & Life Safety Comments

We acknowledge the building and life safety requirements and will ensure full compliance with the following codes during the interior remodel:

- 2018 International Building Code with amendments
- 2018 International Fire Code with amendments
- 2018 Illinois Accessibility Code
- And other applicable codes noted in your review.

Specific responses to your points:

- Interior Remodel: An Illinois-licensed architect will prepare all necessary drawings for permit submission.
- Life Safety Plan: A comprehensive plan will detail fire-resistance-rated construction, egress routes, and emergency lighting locations.
- Transaction Counters: Counters will not exceed the maximum height of 34 inches.
- Occupant Load & Accessible Tables: We will calculate and provide all required details for occupancy and accessible seating for café seating, classes, and events.
- Equipment and Plumbing: We will submit a plumbing isometric drawing detailing drain, waste, vent lines, and all equipment connections. Grease interceptor calculations will also be provided if applicable.
- Exhaust Hood: If required, we will install a Type II exhaust hood compliant with IMC 507.2 standards.

ROAST 808
SPECIALTY COFFEE ROASTERS



OWNER: ANNA PARKER
AP@ROAST808.COM
630-379-9184

Health & Public Works Comments

27. Commercial-Grade Equipment

All food and beverage preparation equipment will be commercial grade.

28. Grease Trap Requirements

If required, we will coordinate with MWRD for any necessary permits regarding exterior grease traps.

29. Additional Comments

We acknowledge that additional comments may be generated upon the submission of detailed plans and will address them accordingly.

Final Remarks

Roast 808 is committed to working closely with the Village of Arlington Heights to meet all outlined requirements and to address any additional concerns. While we are the tenant, we will coordinate closely with the property owner to ensure that all building-related compliance is met.

We look forward to submitting a formal Plan Commission application and appreciate your time and support in reviewing our project. Should you need additional details or have further questions, please do not hesitate to reach out to me directly.

Thank you again for your consideration and guidance.

Sincerely,
Anna Parker
Roast 808
630-379-9184
AP@ROAST808.COM

ROAST808.COM

Written Justification to the Land Use Variation Criteria

- 1. 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 use will not alter the essential character of the locality and will be compatible in a professional manner and align with neighboring business operations.

- 2. 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 space has been vacant for an extended period, and our business model provides an opportunity to make productive use of the property while enhancing the community.

- 3. The proposed variation is in harmony with the spirit and intent of this Chapter.**

The proposed variation is in harmony with with the spirit and intent of the Municipal Code. Our coffee roasting operations, small events and commitment to community engagement align with the Code's goals for a thriving business district.

- 4. The variance requested is the minimum variance necessary to allow reasonable use of the property.**

The requested variance is the minimum necessary to allow reasonable use of the property. Roast 808's operations are tailored to meet the space's capabilities and comply with local regulations.

BUILDING CODE	2018 INTERNATIONAL RESIDENTIAL CODE (IRC)
PLUMBING CODE	2014 ILLINOIS STATE PLUMBING CODE
MECHANICAL CODE	2018 INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE	2017 NATIONAL ELECTRICAL CODE (NEC)
FIRE CODE	2018 INTERNATIONAL FIRE CODE
ENERGY CODE	2018 ENERGY CONSERVATION CODE
FUEL GAS CODE	2018 INTERNATIONAL FUEL GAS CODE
LOCAL AMENDMENTS	w/ LOCAL AMENDMENTS

2023/24 BC-2 AIR

BY [BCROASTERS.COM](https://bcroasters.com)

THE 2023/24 BC-2 NOW COMES STANDARD WITH THE MAG AIRFLOW GAUGE ON ALL MODELS. AND SINCE 2022 THE BC-2 NOW COMES IN YOUR CHOICE OF SINGLE WALL OR DOUBLE WALL DRUM OPTIONS. IT IS A GREAT ROASTER FOR A SMALL COFFEE SHOP OR AS A SAMPLE ROASTER AND FOR ADVANCED HOME ROASTING. IT CAN ROAST FROM 4OZ. TO 2LB. PER ROAST AND UP TO 4-5 ROASTS PER HOUR. IT HAS ALL THE FEATURES OF THE BIG COMMERCIAL ROASTERS EXCEPT MIXING ARMS FOR THE COOLING TRAY AS THAT IS NOT NEEDED WITH ITS POWERFUL COOLING TRAY FAN MOTOR AS IT CAN COOL BEANS IN 2-3 MINUTES. IT HAS 2 OMRON DIGITAL TEMPERATURE CONTROLS ON THE PANEL FOR QUICK VIEWING OF BOTH BT & ET. IT HAS VARIABLE DRUM SPEED CONTROL AND PRECISE AIRFLOW CONTROL VIA THE MDDS (MANUAL DAMPER) SYSTEM. IT COMES STANDARD WITH A SOLID HEAVY-DUTY SINGLE WALL STAINLESS STEEL DRUM OR THE NEW DOUBLE WALL DRUM OPTION. IT HAS ITS OWN BUILT IN PROFILING SYSTEM. ALSO A DIRECT-CONNECT CHAFF UNIT FOR EFFICIENCY & REDUCED FOOTPRINT. AN LED LAMP PROVIDES ILLUMINATED VIEWING. IN 2 BODY COLOR CHOICES: BLACK, OR RED! NEW 3MM THICK THERMOCOUPLES WERE ADDED SINCE THE 2021 MODEL!

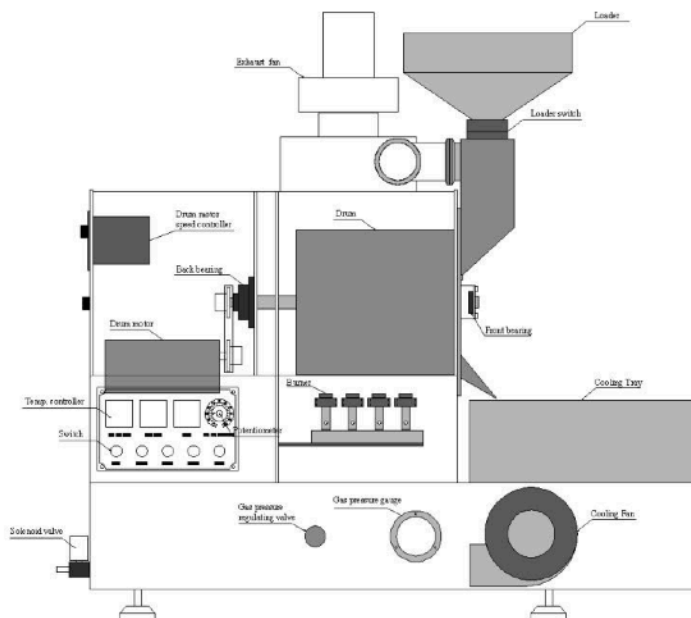


FEATURES

DRUM TYPE
DATA LOGGING
THERMOCOUPLES
CONTROL PANEL
MAG AIRFLOW
WARRANTY
PARTS AVAILABLE
110V CONVERTER

Single or Double wall 304SS Drum
Computer profiling via USB or BT
2 K Type for BT & ET
All information displayed on panel
Comes with MAG AIRFLOW GAUGE
1 YEAR PARTS & INSTRUCTION
10 Year Parts Available Guarantee

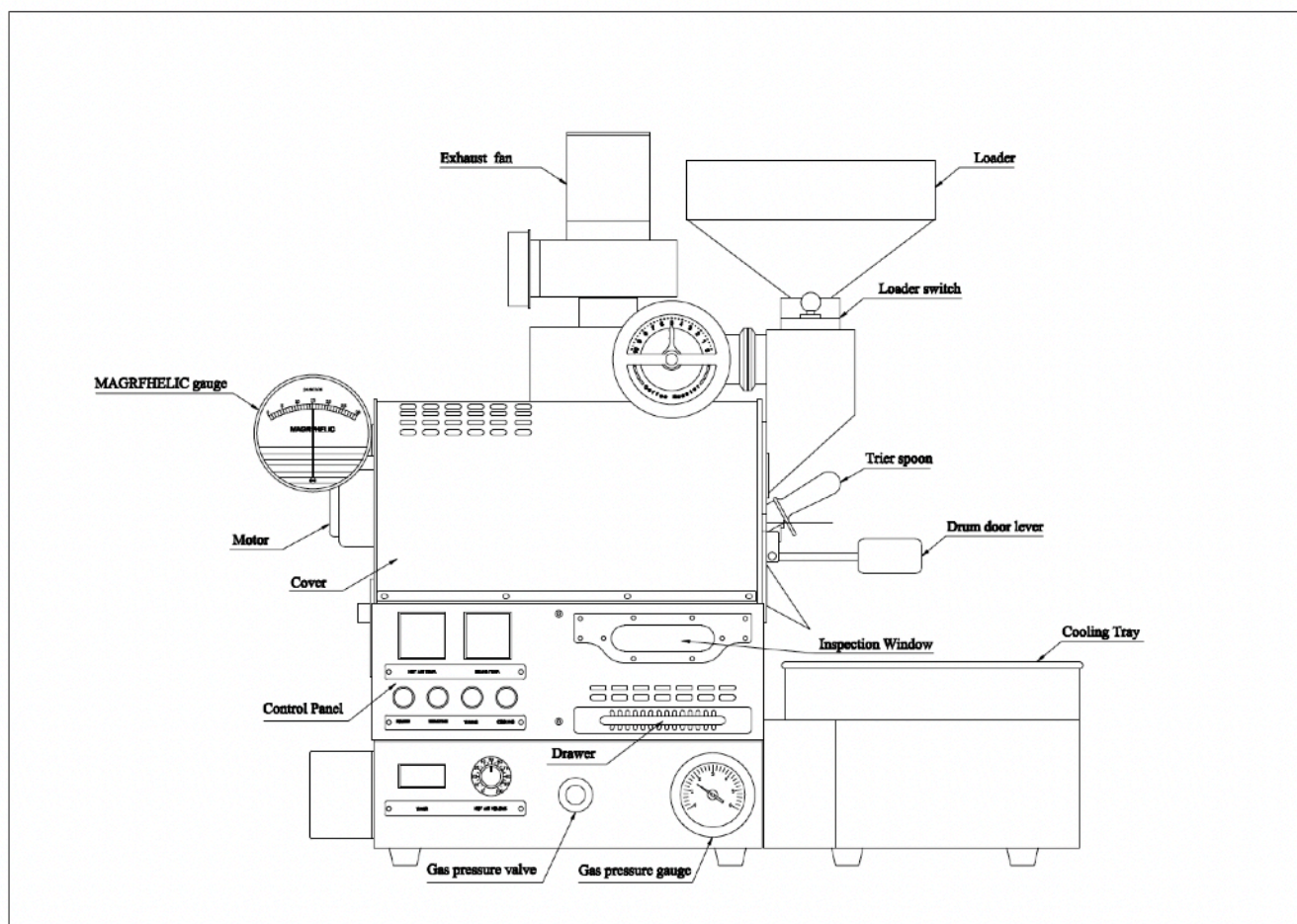
BC-2 AIR	GAS TYPE
Batch Size	4oz-2lb.
Roasting Time	9-14 minutes
Production	8-10lb.hr
Heat Source	NG/LPG
Voltage	220V
Wattage	170W
Drum Motor	25W
Chaff Fan Motor	45W
Cooling Fan Motor	50W
MIXING ARM	N/A
BTU	15,000
NG PRESSURE	7WC
LPG PRESSURE	MAX. 16WC
Gas Consumption	0.1kg/hr .22lb HR
Roaster Dim.	810x486x710MM 32x20x30 In.
Roaster Weight	60kg./132lb.
Package Dimensions	37x26x31 (LxWxH)
Package weight	91Kg/200lb.

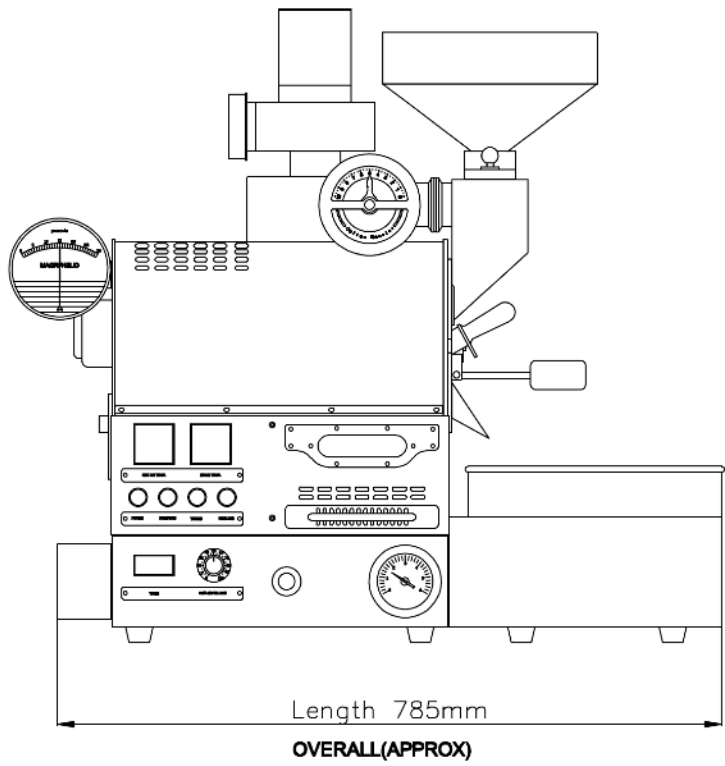


THE BC-2 IS A HEAVY DUTY ROASTER BUILT WITH A CARBON STEEL BODY WITH APPROVED POWDER COAT HIGH TEMPERATURE BODY IN BLACK, WHITE OR RED . THE HOUSINGS COME IN A CHOICE OF 4 COLORS AS LISTED BELOW.

TWO EXHAUST PIPES COMES OFF THE BC-2 AT 3" EACH AS SHOWN BELOW AND MUST BE EXHAUSTED OUT OF BUILDING.

SHOWN BELOW WITH MAG AIRFLOW GAUGE KIT



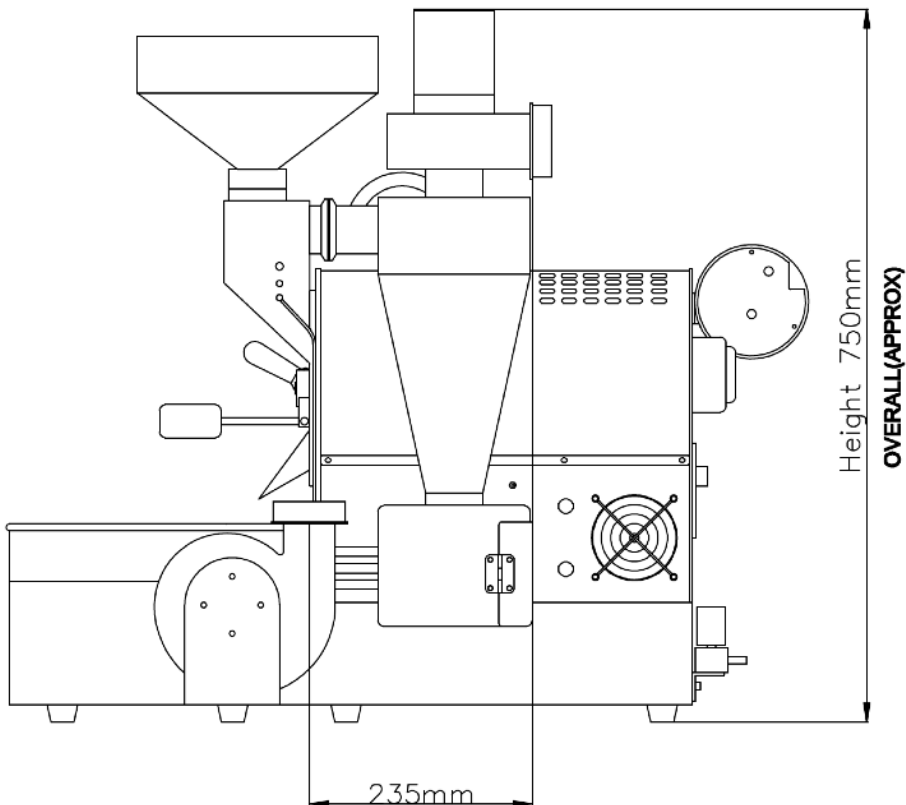
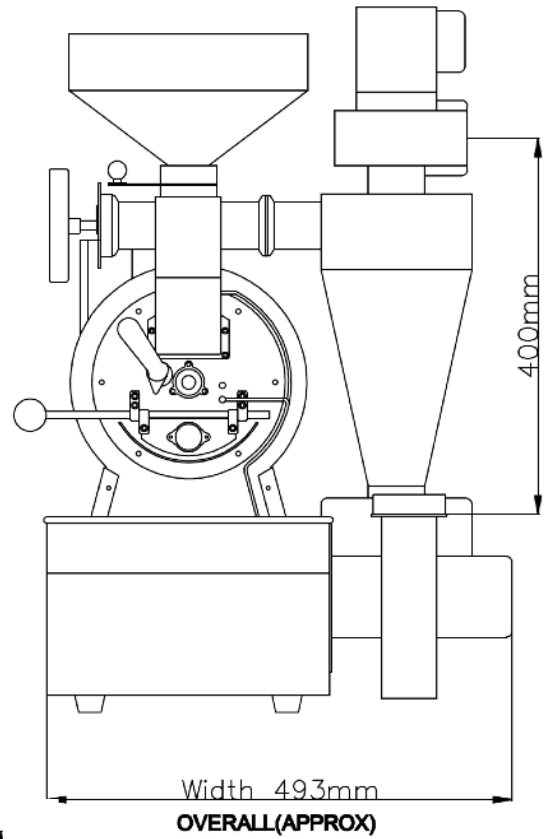


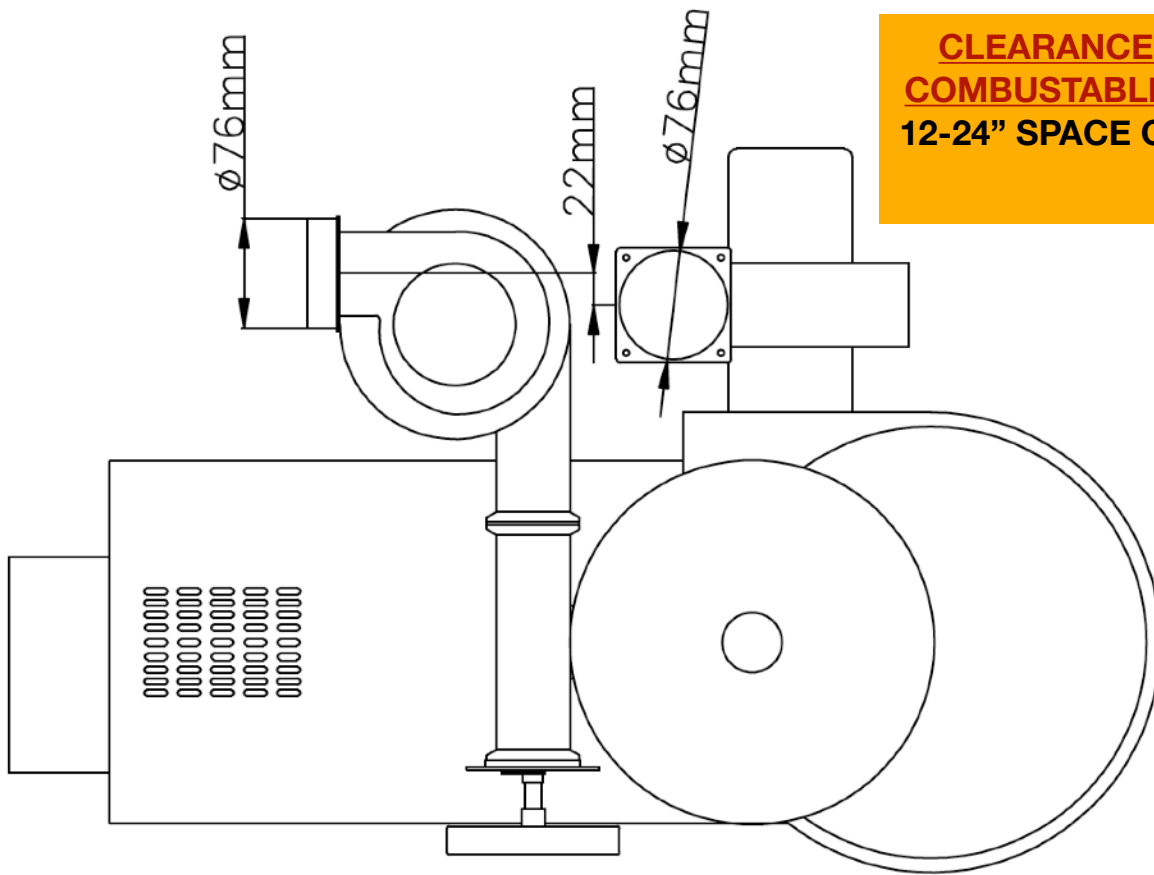
SIZE OF BC-2:

785x493x750mm

32x20x30in

(LxWxH)





**CLEARANCE FROM ALL
COMBUSTABLE SURFACES:
12-24" SPACE ON ALL SIDES**

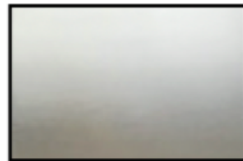
COLOR CHOICES:

Black or RED Body Colors
(9 Housing Color Choices)

SOLID COLORS



ROSE GOLD



STAINLESS



BLACK TITANIUM

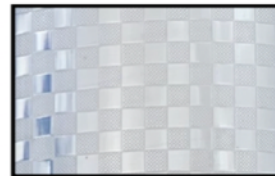
CHECKERED



**CHECKERED
BLACK**

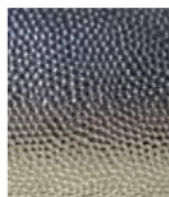


**CHECKERED
GOLD**



**CHECKERED
SILVER**

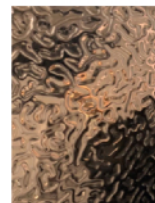
**SILVER
RAINDROP**



GOLD RAINDROP



**NEW FOR 2022:
HAMMERED GOLD**

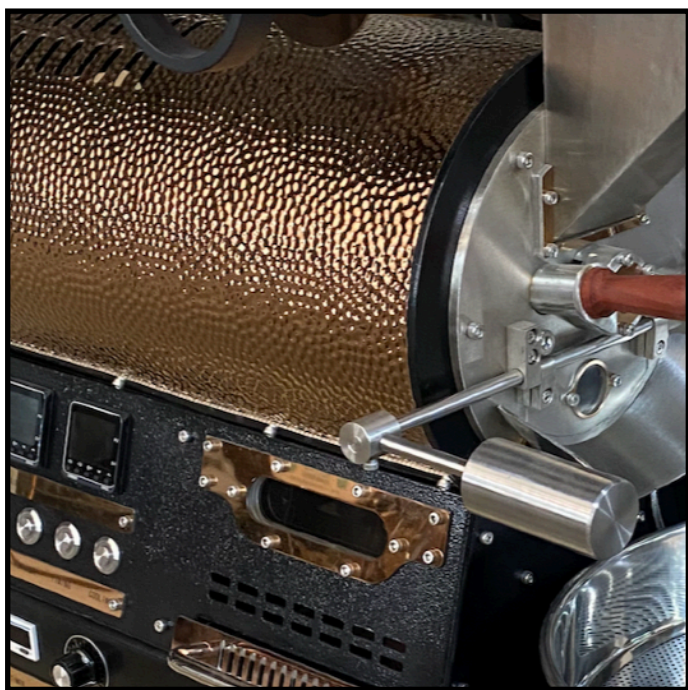


BC-2 COMMERCIAL COFFEE ROASTER

*TABLE TOP MODEL
*DIRECT CONNECT CHAFF UNIT FOR SMALLER
FOOTPRINT
*CHOICE GAS MODELS

SIZE (LxWxH)	32X19X28" (LxWxH) (INCLUDES DIRECT CONNECT CHAFF UNIT IN MEASUREMENT)
WEIGHT	60kg./132lb.
MINIMUM CLEARANCE FROM COMBUSTABLE MATERIALS	12-24"
ROASTING CAPACITY	3 OZ UP TO 2LB.
ROAST TIME & ROASTS PER HOUR	9-14 MINUTES (4-5 ROASTS PER HOUR)
DRUM INFORMATION	SW DRUM: 3MM SUPERIOR 304SS CONTAINS 18% CHROMIUM AND 8% NICKEL DW DRUM: HAS TWO LAYERS OF 304SS THAT ARE EACH 2MM WITH A 2MM AIR CUSHION BETWEEN BOTH LAYERS. TOTAL THICKNESS 6MM
ELECTRIC STATS:	GAS MODEL: SINGLE PHASE 220V 50/60HZ 170W REQUIRES STANDARD 15A BREAKER. A FREE 110 VOLTAGE CONVERTER IS PROVIDED WITH EACH ROASTER TO RUN ON A TYPICAL 15A 110-120 BREAKER IN USA & CANADA
ELECTRICAL PLUG TYPE	GAS MODELS: 20A 250V 3 WIRE NEMA 6-20P
FUEL CHOICES ON GAS MODELS	LPG GAS STANDARD WITH MODELS. NATURAL GAS CONVERSION KITS OFFERED FOR CUSTOMER INSTALLATION ONLY.
BURNER INFORMATION ON GAS MODELS	3 HIGH EFFICIENCY BURNERS PROVIDE
BTU REQUIRMENTS	12,000-15,000 BTU MINIMUM REQUIRED FOR NG LINE
GAS PRESSURE	LPG: 12-16WC (3-4KPA) MARSHALL 1912/197 REGULATOR RECOMMENDED NG: 7-14WC

EXHAUST SETUP	
EXHAUST PIPE REQUIREMENTS	POSITIVE PRESSURE EXHAUST VENTING WITH MINIMUM CLEARANCE 12-24" FROM COMBUSTABLE MATERIALS
MAXIMUM VENTING LENGTHS	20' FROM CHAFF UNIT. DEDUCT 3-5' FOR 45-90 DEGREE PIPE ELBOWS. IF YOU MUST VENT AT LONGER LENGTHS CONSULT A LOCAL TECHNICIAN ON USE OF POSSIBLE BOOSTER FANS
MAXIMUM EXHAUST TEMPERATURES	425-475F
CHAFF UNIT HIGH TEMP.	300-350F
COOLING TRAY HIGH TEMP.	200F
DATA LOGGING VIA ARTISAN OR CROPSTER	BUILT IN DATA LOGGER ATTACHES TO COMPUTER (PC OR MAC) VIA USB OR BLUETOOTH
K TYPE THERMOCOUPLES	BT & ET WITH TWO ADDITIONAL PREDRILLED CAPPED THREADED HOLES TO ADD OR ADJUST LOCATION OF PROBES. 3MM THICK PROBES
MANUFACTURED IN CHINA FOR BC ROASTERS	CUSTOM BUILT FOR BC SPECS IN USA AND OVER 200 LANDS



FOR MORE INFORMATION SEE:

BCROASTERS.COM

[HTTP://WWW.BUCKEYECOFFEE.COM/BC-COFFEE-ROASTERS.HTML](http://www.buckeyecoffee.com/bc-coffee-roasters.html)

**BC ROASTERS
BUCKEYE, ARIZONA 85326
TONOPAH, ARIZONA 85354**

**TOLL FREE: 844.522.6333
INFO@BCROASTERS.COM**



Village of Arlington Heights
Interoffice Memorandum

To: Rachel Hitzemann, Development Planner
Ron Weber, Director of Building & Life Safety

From: Elliot Eldridge, Assistant Building Official, Building & Life Safety

PCA Review: PCA00001-2025 - 3350 W Salt Creek Ln., Unit 115

Date: February 3, 2025

1. GENERAL COMMENTS:

The Building & Life Safety Department has reviewed the Project's Narrative, Floor Plan / Business Description, Applicants Response letter, and Coffee Roaster Information dated January 20, 2025, and have no objections to the project's proposed Land Use Variation to allow a Bakery Products, Wholesale and Production (Coffee Roaster) use in the B-3 District.

Concerning the commercial coffee roaster machines proposed for 3350 W Salt Creek Lane, due to past problems with commercial coffee roaster with non 'Nationally Recognized Testing Laboratory' listings, please have the applicant of 3350 W Salt Creek Lane provide proof that the proposed commercial coffee roaster machine is listed with a 'Nationally Recognized Testing Laboratory' like Canadian Standards Association, UL (Underwriters Laboratories), and ETL (Edison Testing Laboratories) which are private companies that are recognized in North America and elsewhere as the foremost authorities on product safety and reliability. These labs test everything from wiring color codes, breakers and fusing types/sizes, ignition systems, and heat resistance elements to similar standards.

Supervisor



Food Service Plan Review Requirements

The Village of Arlington Heights has adopted the Illinois Department of Public Health Food Code. Copies may be obtained by visiting www.idph.state.il.us or calling 630/293-6800.

For a complete plan review, drawings to scale must be submitted containing the information noted below. This list, while not necessarily complete, highlights areas of concern and common reasons for plan rejection.

- 1. Floor Plan for Operation.** Designation of various areas (service areas, food preparation, dry storage, numbers and locations of seats, restrooms, break areas, etc).
- 2. General Layout.** Location of equipment fixtures (cross-reference to an equipment schedule) including distances above the floor, between other pieces of equipment, whether on legs or casters, etc.
- 3. Food Service Equipment.** All equipment must be commercial and listed with NSF or equivalent in both construction and installation. Used equipment must be inspected for approval prior to installation. Equipment schedules must contain manufacturer and model numbers for each piece of food service equipment. Equipment spec sheets are required for all new equipment.
- 4. Plumbing fixtures.** Location and type must be shown in overhead and schematic design. Include provisions for drainage from condensate for refrigerators and freezers, ice machines, soda or water stations, steam tables, etc. The location of all floor drains and sinks must also be shown. All 3 compartment sinks, dish machines, prep sinks, ice machines, steam tables, and condensate lines must have an air-gap (open-site drain) on the waste line. All hub drains, floor sinks, and floor drains must be located on the toe-edge of, or adjacent to, the equipment to facilitate cleaning. Facilities cooking or performing food prep must have a grease trap. Newly constructed facilities having cooking that produces grease or vapors, or where 3 compartment sinks or food prep sinks are located in two or more areas are required to have an exterior grease trap. Dish machines and garbage grinders may not drain through the grease trap. All ice machines must be air cooled.
- 5. Sinks.** Sinks that are mandatory to be installed include:
 - three compartment sink with integral drain boards
 - mop/utility sink
 - hand sink in preparation areas (including bars) and dish areas (more than one may be required)
 - food prep sink (depending on type of operation)Hot and cold running water are required at all sinks. The water must be tempered by means of a mixing valve. A metering faucet must provide at least 10 seconds of running water.
- 6. Ventilation Requirements.** Adequate ventilation must be provided throughout the facility to remove excessive heat, steam, vapors, smoke, fumes, and noxious odors. Submit specifics on ventilation hoods for Fire Code review.
- 7. Floors, Walls, and Ceilings.** The surfaces in all food preparation, dishwashing rooms, and toilet rooms must be smooth, light colored, non-porous, and easily cleanable. Ceiling tiles may not contain fissures, and must be vinyl coated above food prep areas. Cove base must be provided at all floor/wall junctures. Grouting for all floor tiles must be sealed to be non-porous. Non-slip finishes may only be installed in traffic areas, not under equipment.
- 8. Lighting.** Artificial light sources must be installed to provide at least 20 footcandles of light in all food prep areas, dish areas, and wash rooms. All walk-in refrigeration/freezer units, dry storage areas, dining rooms during cleaning, and other areas must be provided with at least 10 footcandles of light. All light fixtures over, near, or within food preparation, display, or service areas, and dish areas, must be shielded to prevent broken glass from falling onto food. This includes heat lamps.

10. Other Storage Areas. Provide storage for the following and indicate their locations: refrigerated and frozen storage, both clean and dirty dish storage, kitchen utensils, employee belongings and coats, and all cleaning supplies and toxic chemicals. Provide a mop and broom storage rack over the mop/utility sink.

11. Garbage and Refuse Disposal. An adequately sized solid waste storage site must be provided. The area must be paved, curbed, and graded to the front to prevent the accumulation of liquids. Visual screening for the area must be provided.

12. Outer Openings. No doors or windows may be left open and unscreened. All doors must be self-closing and tight-fitting. Provide screening of at least 16 mesh per inch for any windows to be opened. Air curtains and self-closing automatic windows must be installed on drive-through windows. Doors to outdoor dining areas must have operable air curtains installed above if outdoor wait staff are provided.

13. Other Concerns. All conduits and plumbing pipes must be installed inside the walls. If this is not possible, they must be at least 1 inch from the wall and 6 inches above the floor to facilitate cleaning.

14. Menu. A copy of the proposed menu must be submitted.

15. Smoking. No smoking is allowed in any enclosed space, including bars, private offices, or outdoor dining areas. Smoking is not allowed within 15 feet of any door, and ashtrays and other smoking materials may not be within 15 feet of the doors.

16. Certified Food Service Manager. At least one IDPH certified Food Service Manager must be present at all times foods are handled in high-risk establishments. Medium risk establishments need at least one certified Manager on staff.

Installation Standards for Food Service Equipment

Equipment must be mounted with a minimum of 6 inches of clear space underneath. In lieu of the clear space, equipment may be equipped with casters or placed on a raised solid masonry or sealed metal platform. The platform must be at least 2 inches high, sealed at all edges, and sealed to the floor. Necessary space for air intake must be provided for any units that need ventilation. If fresh air is provided, any air intake openings must be screened with a minimum of 16 mesh per inch screening.

Equipment that is not easily moveable must also be sealed to the wall, or meet the following minimum clearances to facilitate cleaning:

- When the distance to be cleaned is less than 2 feet in length, the width of the clear unobstructed space must not be less than 5 inches.
- When the distance to be cleaned is between 2 and 4 feet, the width of the clear unobstructed space must not be less than 8 inches.
- When the distance to be cleaned is greater than 4 feet, the width of the clear unobstructed space must not be less than 12 inches.

Other Considerations

A valid Business License is required to operate a food service facility in the Village of Arlington Heights. Contact the Licensing Coordinator in the Building Department at 847/368-5560.

A special use permit may be required for your location. Contact the Planning & Community Development Department at 847/368-5200 to inquire about the requirements.

No alcoholic beverages may be sold without first obtaining a Village Liquor License. Contact the Liquor License Officer at 847/368-5100.

Other licenses may be required as well. It is up to the owner and/or operator of each facility to obtain all of the required State and Local licenses prior to opening.

An early consultation between the Health & Human Services Department and the persons planning to build and/or operate a food service establishment can be beneficial. We may also be able to answer any questions you may have during the process. Contact the Health & Human Services Department at 847/368-5760 or by fax at 847/368-5980.



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: PCA00001-2025
Project: 3350 W Salt Creek Lane, Roast 808
Review Round: Round 1
Date: February 8, 2025

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

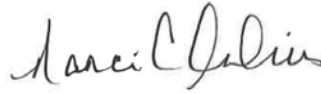
a. MWRDGC.....	☒	d. IEPA.....	☐
b. IDOT.....	☐	e. CCHD.....	☐
c. ARMY CORP...	☐	f. OTHER.....	☐ _____

3. R.O.W. DEDICATIONS..... YES ☐ NO ☒ _____
4. SITE PLAN ACCEPTABLE..... YES ☐ NO ☐ N/A _____
5. PRELIMINARY PLATE ACCEPTABLE..... YES ☐ NO ☐ N/A _____
6. TRAFFIC STUDY ACCEPTABLE..... YES ☐ NO ☐ N/A _____
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.

PLAN COMMISSION PCA00001-2025
Roast 808
3350 W Salt Creek Lane
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. In the event that an exterior grease trap is required for the change in use, an MWRD permit will be required. This can be addressed at permit.
13. If any exterior site work is proposed, the accessible parking stalls and the accessible route to the entrance will be reviewed for compliance with current codes. In the event there are any deficiencies, this can be addressed at permit.



Nanci C. Julius, P.E. Senior Civil Engineer	<u>February 8, 2025</u> Date
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Village of Arlington Heights

Interoffice Memorandum



To: Anna Parker
From: Rachel Hitzemann, Development Planner
Department: Planning and Community Development Department
File Number: PC-25-00001
Project: Roast 808/ 3350 W Salt Creek Lane
Review Round: Round 1 Review
Date: 2/5/25

	<u>YES</u>	<u>NO</u>
1. COMPLIES WITH COMPREHENSIVE PLAN:	☐	☒
2. COMPLIES WITH THOROUGHFARE PLAN:	☒	☐
3. VARIATIONS NEEDED FROM ZONING REGULATIONS:	☒	☐
4. VARIATIONS NEEDED FROM SUBDIVISION REGULATIONS:	☐	☒
5. SUBDIVISION REQUIRED:	☐	☒
6. SCHOOL/PARK DISTRICT CONTRIBUTION REQUIRED:	☐	☒

See additional review comments on next page.

PLAN COMMISSION REVIEW
PLANNING & COMMUNITY DEVELOPMENT DEPARTMENT

General:

7. The Following approvals are required:
 - a. Land Use Variation to allow Bakery Products, Wholesale and Production (Coffee Roaster) in the B-3 District.
 - b. Amend the Comprehensive Plan to Commercial
 - c. Variation to waive the parking and traffic study
8. Please provide a list of property owners within 250ft, excluding right of way.
9. Provide a sample letter and notice sign for the public hearing. Anticipated meeting date is 3/12/25. Examples can be found here:
[https://cms2.revize.com/revize/arlington/Government/Permits%20&%20Licenses/Community%20Planning%20&%20Zoning%20Applications%20and%20Guides/Plan%20Commission%20Application%20\(2024\).pdf](https://cms2.revize.com/revize/arlington/Government/Permits%20&%20Licenses/Community%20Planning%20&%20Zoning%20Applications%20and%20Guides/Plan%20Commission%20Application%20(2024).pdf)
10. The invoice will need to be paid prior to the Plan Commission meeting.

Village of Arlington Heights
Interoffice Memorandum



To: Rachel Hitzemann, Development Planner
From: Derek Mach, Landscape Planner
Department: Planning & Community Development Department
File Number: PCA00001-2025
Project: 3350 W Salt Creek Lane
Review Round: Round 1 Review
Date: February 6, 2025

	<u>YES</u>	<u>NO</u>
1. COMPLIES WITH TREE PRESERVATION ORDINANCE:	N/A	☐
2. COMPLIES WITH LANDSCAPE PLAN ORDINANCE:	☐	☐
3. PARKWAY TREE FEE REQUIRED:	☐	☒

COMMENTS:

1. No Comments



**VILLAGE OF
ARLINGTON HEIGHTS**
— INC. 1887 —

**Village Board of Trustees
4/21/2025**

Item: Hickory / Kensington Area Tax Increment Financing
Redevelopment Project Area 10-Year Status Report

Department: Planning & Community Development

Item Description:

The Hickory / Kensington Area Tax Increment Financing Redevelopment Project Area ("Hickory Kensington Area") was designated on July 21, 2014 through Village Ordinance 14-033. Under Illinois statute, municipalities are required to provide a 10-year status report be completed for any TIF district which has been in place for 10 years. The Village was recently provided the preliminary audit for calendar year 2024 which provides the financial information needed to complete a report on the 10-year period since the adoption of the TIF redevelopment project area.

The status report provides details on the following:

- The amount of revenue generated within the redevelopment area;
- Any expenditures made by the municipality for the redevelopment project area, including, without limitation, expenditures from the special tax allocation fund;
- The status of planned activities, goals, and objectives set forth in the redevelopment plan, including details on new or planned construction within the project area;
- The amount of public and private investment within the redevelopment project area, and;
- Any other relevant evaluation or performance

Within 30 days of compiling the report, Illinois statute requires the Village to hold at least one public hearing concerning the report with at least 20 days public notice of the hearing. Public notice was provided in the Daily Herald on April 1, 2025 in accordance with state statute.

ATTACHMENTS:

1. Hickory/Kensington TIF 10 Year Report_Draft
2. Public Notice Certificate



Hickory / Kensington Area Tax Increment Financing Redevelopment Project Area 10-Year Status Report

Prepared by the Village of Arlington Heights Planning & Community
Development Department

April 1, 2025

Background

The Hickory / Kensington Area Tax Increment Financing Redevelopment Project Area ("Hickory Kensington Area") was designated on July 21, 2014. The 36-acre Hickory Kensington Area is characterized by the primarily industrial development located north of E. Northwest Highway and bounded by S. Douglas Avenue and Recreation Park to the west and the multi-family development adjacent to N. Dryden Avenue to the east. The redevelopment area also includes legacy retail located along the north side E. Kensington Road and several auto-oriented businesses on the south side of the roadway. The location map below depicts the Hickory Kensington Area boundary. The primary goal of redeveloping the area is to create a pedestrian-oriented, mixed-use commercial and residential area.



The following status report details the following:

- (i) The amount of revenue generated within the redevelopment project area;
- (ii) Any expenditures made by the municipality for the redevelopment project area including without limitation expenditures from the special tax allocation fund;
- (iii) The status of planned activities, goals, and objectives set forth in the redevelopment plan including details on new or planned construction within the project area;
- (iv) The amount of public and private investment within the redevelopment project area, and;
- (v) Any other relevant evaluation or performance data.

Hickory / Kensington Area Summary

- (i) The amount of revenue generated within the redevelopment project area through December 31, 2024:
 - **Property Tax Increment: \$6,054,405**
 - **Interest: \$476,744**
 - **Bond (borrowed): \$0**
- (ii) Any expenditures made by the municipality for the redevelopment project area including without limitation expenditures from the special tax allocation fund through December 31, 2024:
 - **Studies, Professional Services, Administrative: \$236,040**
 - **Public Works Improvements: \$416,330**
 - **Reimbursement to Developers on Redevelopment Agreements: \$769,171**
 - **Debt repayment: \$0**
- (iii) The status of planned activities, goals, and objectives set forth in the redevelopment plan including details on new or planned construction within the project area:

The following Redevelopment Plan Objectives are included in the Hickory Kensington Area Plan:

- a) Create a walkable, vibrant neighborhood providing access to parks, schools, commercial amenities and the downtown area.
- b) Expand upon recent new development transitioning the area to multi family residential, commercial and mixed use.
- c) Enhance the tax base by providing contemporary and compatible commercial and residential development.
- d) Provide new housing opportunities at various income levels consistent with Village policies.
- e) Work with existing viable businesses to locate within commercial areas or relocate to compatible areas zoned for said uses.
- f) Eliminate blighted conditions through redevelopment.
- g) Enhance the aesthetics of the area to create a positive sense of place.
- h) Construct infrastructure improvements as needed including but not limited to public parking, storm water detention, sewer and water systems, streets, sidewalks, relocation or burial of overhead utilities.
- i) To encourage sustainable development including but not limited to the use of bioswales for storm water development, green buildings and energy efficient street lighting.
- j) Develop an architectural vision that is unique to the area.

The following activities have been undertaken by the Village to address the objectives as stated above.

- A redevelopment agreement (RDA) was executed in June 2018 with 4 North Hickory, LLC to redevelop the parcel of land at the northwest corner of E. Kensington Road and N. Hickory Avenue. The RDA provided for the

construction of a five-story, mixed-use building, including approximately 76 residential rental units, 3,435 square feet of retail, and 86 indoor parking and 31 outdoor parking spaces. TIF funding was utilized to construct public improvements with additional incentives after the building is fully leased up. The construction of the building was completed in 2024 with the Village issuing a Certificate of Occupancy. The building is in the leasing phase and has received a great deal of interest from renters.

- The Village purchased a parcel of land that was part of the 4 N. Hickory mixed-use redevelopment in order to land bank the unneeded portion of property for future development projects. This land was purchased in 2024. The same strategy is planned for the proposed redevelopment of the 5 N. Douglas directly to the west in order to accommodate coordinated redevelopment within the TIF district.
- The Village is pursuing undergrounding all above-head utilities along E. Kensington Road. The project will relocate all power and telecommunication wires underground from the west side of S. Hickory Avenue to the east side of S. Beverly Lane. The Village has contracted with all utility companies for the design and relocation. The project is currently in the design phase with construction anticipated in late 2024 or early 2025. When complete, the project will improve the aesthetics of the corridor and daylight the architecture of new buildings in the district. The project is being coordinated with undergrounding of utilities at the 4 N. Hickory redevelopment project.
- The Village is pursuing a new rail crossing at the north end of the 4 N. Hickory project that will allow new pedestrian and vehicular access to N. Douglas Avenue. The potential crossing has been coordinated with the 4 N. Hickory redevelopment and the planned 5 N. Douglass redevelopment. When completed it will allow access between the developments, more efficient vehicular movements to the west and the intersection with Northwest Highway, and direct access for pedestrians to Recreation Park. The Village has retained the services of an engineering firm to assist with application to Union Pacific Railroad.
- Staff has coordinated with the property owners at 5 N. Douglas Avenue on the framework for future redevelopment, including an RDA for a multi-family development at the corner of N. Douglas Avenue and E. Kensington Road. The Village has retained a financial consultant to assist with the review of pro-forma information and the development of a potential RDA. The project is anticipated to be pursuing entitlements and a potential redevelopment agreement in 2025.
- The Village completed the construction of the Campbell Street Public Way between S. Hickory Avenue and S. Beverly Lane as part of a 2023 capital improvement project. The new roadway will aid in facilitating redevelopment along the new roadway, and provides access from

Arlington Market to the 4 N. Hickory development, and planned rail crossing to the west.

- (iv) The amount of public and private investment within the redevelopment project area through December 31, 2024:

Total public investment includes administrative costs, construction of the Campbell Street Public Way, reimbursements to the developer of the 4 N Hickory mixed-use project, undergrounding of utilities along Kensington Road, and minor improvements along E. Kensington Road.

- **Total Public Investments: \$1,951,214**

Private investment has included the construction of the Hickory Kensington Daycare, Arlington Market residential, and the 4 N Hickory mixed-use project.

- **Estimated private investment from redevelopment: \$24,850,000**

- (v) Any other relevant evaluation or performance data:

The Village will continue to work towards redevelopment of future properties within the Hickory Kensington Area including the property located at 5 N Douglas Avenue. The undergrounding of utilities along Kensington is scheduled to be completed by 2025/2026 in coordination with the same activities at the 4 N Hickory project. The cumulative impact of the public and private investments has been successful. The Village has received significant interest in properties throughout the TIF and is working with property owners to develop the next phase of redevelopment projects.

NOTICE OF PUBLIC HEARING
NOTICE IS HEREBY GIVEN THAT THE VILLAGE BOARD OF THE VILLAGE OF ARLINGTON HEIGHTS WILL CONDUCT A PUBLIC HEARING ON APRIL 21, 2025 AT 7:30 P.M. in the Municipal Building, 33 South Arlington Heights Road, Arlington Heights, Illinois to review the 10 Year Status Report for the Hickory / Kensington Area Tax Increment Financing District.
All persons desiring to be heard shall be given the opportunity to be heard. Should any individual need auxiliary aid or service, such as a sign language interpreter or materials in alternative formats, please contact the Health Department at 33 South Arlington Heights Road, Arlington Heights, Illinois 60005, (847) 368-5760, TDD# (847) 368-5794.
Thomas W. Hayes, Mayor
ARLINGTON HEIGHTS VILLAGE BOARD
Published in Daily Herald April 1, 2025 (285392)

CERTIFICATE OF PUBLICATION

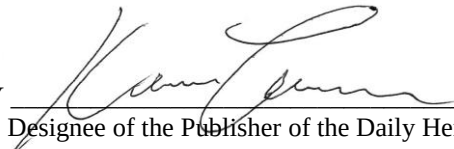
Paddock Publications, Inc.

Northwest Suburbs **Daily Herald**

Corporation organized and existing under and by virtue of the laws of the State of Illinois, DOES HEREBY CERTIFY that it is the publisher of the **Northwest Suburbs DAILY HERALD**. That said **Northwest Suburbs DAILY HERALD** is a secular newspaper, published in Arlington Heights, Cook County, State of Illinois, and has been in general circulation daily throughout Cook County, continuously for more than 50 weeks prior to the first Publication of the attached notice, and a newspaper as defined by 715 ILCS 5/5.

I further certify that the **Northwest Suburbs DAILY HERALD** is a newspaper as defined in "an Act to revise the law in relation to notices" as amended in 1992 Illinois Compiled Statutes, Chapter 715, Act 5, Section 1 and 5. That a notice of which the annexed printed slip is a true copy, was published 04/01/2025 in said **Northwest Suburbs DAILY HERALD**. This notice was also placed on a statewide public notice website as required by 5 ILCS 5/2.1.

BY


Designee of the Publisher of the Daily Herald

Control # 285392

