



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
September 3, 2019
8:00 PM

I. CALL TO ORDER

II. PLEDGE OF ALLEGIANCE

III. ROLL CALL OF MEMBERS

IV. APPROVAL OF MINUTES

- A. Committee of the Whole 08/05/2019
- B. Committee of the Whole 08/13/2019
- C. Committee of the Whole 08/19/2019
- D. Village Board 08/19/2019

V. APPROVAL OF ACCOUNTS PAYABLE

- A. Warrant Register 08/30/2019

VI. RECOGNITIONS AND PRESENTATIONS

- A. Presentation of the 2019 Kenneth Hood Senior Service Award to Mary Stitt by the Senior Citizens Commission

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. OLD BUSINESS

- A. Report of Committee-of-the-Whole Meeting of September 3, 2019

Consideration of recommending to the Liquor Commissioner the issuance of a Class E Liquor License to Triple 8, Corp. dba Gumari Thai Restaurant, located at 170 N. Arlington Heights Rd.

- B. Report of the Committee-of-the-Whole Meeting of September 3, 2019

Interview of Kenneth Kiefer for Appointment to the Housing Commission - Term Ending 4/30/2020

- C. Report of the Committee-of-the-Whole Meeting of September 3, 2019

Interview of David Miller for Appointment to the Housing Commission - Term Ending 4/30/2022

X. 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 ask to remove any item on this Consent Agenda.
4. One roll call vote will be taken and will cover all remaining Consent Agenda items.

CONSENT APPROVAL OF BIDS

- A. ERP Consultant - Phase I and 2
- B. Fiber Optic Connection to Fire Stations 3 & 4 - Contract Renewal

CONSENT LEGAL

- A. An Ordinance Amending Chapters 14 and 28 of the Arlington Heights Municipal Code (Day Care Homes)
- B. A Resolution Approving a Site Lease Agreement (T-Mobile antenna facilities at 2000 S Arlington Heights Rd)

CONSENT PETITIONS AND COMMUNICATIONS

- A. Permit Fee Waiver - 2201 N. Windsor (Arlington Heights Park District)

XI. APPROVAL OF BIDS

- A. General Obligation Refunding Bonds, Series 2019
- B. Parking Guidance System and Lighting for Vail Avenue Garage
- C. Downtown Parking Signs

XII. NEW BUSINESS

- A. Northwest Crossings - 1501 W. Shure Dr. - PC#19-011
PUD Amendment, Variations

XIII. LEGAL

- A. An Ordinance Amending Planned Unit Development Ordinance Numbers 88-060, 15-016 and 15-040 and Granting Variations from Chapter 28 of the Arlington Heights Municipal Code (Northwest Crossings, 1501 W Shure Dr)
- B. An Ordinance providing for the issuance of \$8,645,000 General Obligation Refunding Bonds, Series 2019, of the Village of Arlington Heights, Cook County, Illinois, for the purpose of refunding certain outstanding bonds of said Village, providing for the levy and collection of a direct annual tax sufficient to pay the principal and interest on said bonds, and authorizing the sale of said bonds to the purchaser thereof.

XIV. REPORT OF THE VILLAGE MANAGER

XV. APPOINTMENTS

XVI. PETITIONS AND COMMUNICATIONS

XVII. ADJOURNMENT

Persons with disabilities requiring auxiliary aids or services, such as an American Sign Language interpreter or written materials in accessible formats, should contact David Robb, Disability Services Coordinator, at 33 S. Arlington Heights Road, Arlington Heights, Illinois 60005, (847)368-5793 (Voice), (847)368-5980 (Fax) or drobb@vah.com.



**Village Board
9/3/2019**

Item: Committee of the Whole 08/05/2019

Department: Village Clerk

ATTACHMENTS:

Description	Type
Committee of the Whole 08/05/2019	Minutes

**MINUTES OF THE COMMITTEE-OF-THE-WHOLE MEETING OF THE PRESIDENT AND
BOARD OF TRUSTEES OF THE
VILLAGE OF ARLINGTON HEIGHTS
33 S. ARLINGTON HEIGHTS ROAD - COMMUNITY ROOM
August 5, 2019 – 7:15 PM**

President Hayes called the meeting to order at 7:15 PM.

BOARD MEMBERS PRESENT: President Hayes; Trustees Baldino, Canty, LaBedz, Padovani, Rosenberg, Scaletta, Schwingbeck, Tinaglia

BOARD MEMBERS ABSENT: None

STAFF MEMBERS PRESENT: Village Manager Randy Recklaus, Assistant Village Manager Diana Mikula

OTHERS PRESENT: Tejash Patel, Saroj Kandurl, Leena Joshi, Nancy Frenk, Joyce Barabicho and Jeff Lanaghan

A. Consideration of recommending to the Liquor Commissioner the issuance of a Class B and Class T Liquor License to JNS Food and Liquors, Inc. dba JNS Food and Liquors, located at 921 W Rand Road.

President Hayes administered the oath to Tejash Patel and Saroj Kandurl. Diana Mikula gave the staff report. Ms. Mikula stated that this is a package liquor establishment that had been closed for a couple years. There are 3 people with ownership interest in JNS. No violations have been noted at this address and no liquor violations by the owners. A background check was done on all 3 with ownership interest and there were no issues noted. The hours are within those permitted and they are leasing the establishment. Mr. Patel is Bassett certified.

Ms. Mikula stated she did a walk through and the layout is consistent with submitted floorplan and a copy of an executed lease must be submitted prior to receiving a license. Upon a satisfactory interview, Ms. Mikula stated it would be appropriate to issue a Class B and Class T liquor license to JNS Food and Liquors Inc. dba JNS Food and Liquors.

Mayor Hayes asked the owners about their work backgrounds as neither have experience with the sale of liquor. Mr. Patel said that they are software engineers working with businesses. Ms. Patel has had experience working at a Convenience Store in Chicago however, it did not sell liquor. The Mayor inquired about items to be sold at the business. Mr. Patel said that in addition to liquor they would be selling packaged items such as chips and snacks. The Mayor expressed concern over the fact that they do not have liquor experience and reiterated the importance of training and Bassett Certification. The Mayor inquired as to the number of employees. Mr. Patel said that initially the 3 owners would be working and then plan to hire one or two employees.

Trustee Scaletta asked what they envisioned will be the biggest challenge. Mr. Patel said that he thought since the store had been closed for over 2 years, the biggest challenge will be to get customers. They will be focusing on marketing.

Discussion ensued with questions about carding, number of employees at each shift and the Mayor stressed the importance of adhering to the liquor laws.

Trustee LaBedz moved, seconded by Trustee Canty to recommend that the Village Board of Trustees recommend to the Liquor Commissioner the issuance of a Class B and Class T Liquor License to JNS Food and Liquors, Inc. dba JNS Food and Liquors located at 921 W. Rand Road.

The following voice vote was recorded:

9 AYES

0 NAYS

The motion passed.

B. Interview of Leena Joshi for appointment to the Arts Commission – term ending 4/30/22.

President Hayes introduced Leena Joshi. Trustee Canty thanked Ms. Joshi for willingness to serve and asked what would be the first thing she would like to do on the Commission. Ms. Joshi said she would like to get acquainted with everyone and understand what has been done so far. President Hayes asked why she was interested in serving and Ms. Joshi said that art is an important part of her life and wants to help it be a part of the community.

Trustee Canty moved to concur in the Mayor's appointment of Leena Joshi to the Arts Commission with term ending 4/30/22. Trustee Baldino seconded the motion.

The following voice vote was recorded:

9 AYES

0 NAYS

The motion passed.

C. Interview of Nancy Frenk for Appointment to the Senior Citizen's Commission – term ending 4/30/22

President Hayes introduced Nancy Frenk and stated she was recommended by many she has dealt with at the Senior Center. Trustee Padovani asked what she hopes to do by joining the Senior Commission. Nancy said she is interested in serving in her own community and working as part of a team in evaluating what the needs are of the senior population and assist with the need to identify resources. Trustees thanked Ms. Frenk for her willingness to serve and commented on her many qualifications.

Trustee Padovani moved to concur in the Mayor's appointment of Nancy Frenk to the Senior Citizen's Commission term ending 4/30/22. Trustee Scaletta seconded the motion.

The following voice vote was recorded:

9 AYES

0 NAYS

The motion passed.

D. Interview of Joyce Barabicho for Appointment to the Arlington Economic Alliance (hospitality) – term ending 4/30/21.

President Hayes stated that Ms. Barabicho has been working in Arlington Heights for two years and has learned what Arlington Heights has to offer and business related issues.

Trustee Rosenberg asked what Ms. Barabicho see as her role with the AEA and if she has attended a meeting. Ms. Barabicho stated she has not yet attended a meeting. She said that Michael (Mertes) reached out to her with information on AEA and she has reached out to other businesses to see what some of the challenges are. The Mayor thanked Michael Mertes, staff liaison for AEA, for helping him out in identifying candidates.

Trustee Scaletta moved to concur in the Mayor's appointment of Joyce Barabicho to the Arlington Economic Alliance term ending 4/30/21. Trustee Baldino seconded the motion.

The Mayor took a question from the audience. Keith Moen asked if non-resident are allowed to be on the AEA. The Mayor said that the AEA is an exception. To be on the AEA you have to own, operate or be an employee of an Arlington Heights business.

The Mayor stated there was a motion and a second and asked for a voice vote.

The following voice vote was recorded:

9 AYES

0 NAYS

The motion passed.

E. Interview of Jeff Lanaghan for Appointment to the Zoning Board of Appeals – term ending 4/30/24.

President Hayes introduced Jeff Lanaghan and explained that this board is a little different as they interact with the public and that he and Mr. Lanaghan talked about all the obligations as a ZBA member and looking out for the best interest of the citizens as a member of the ZBA.

Trustee Scaletta thanked Mr. Lanaghan and asked why Mr. Lanaghan chose this Commission? Mr. Lanaghan stated that with his background in development and land planning and the fact that he has been in front of many ZBA Commissions in many Villages, he felt that this was a good fit for him. Trustee Schwingbeck agreed that Mr. Lanaghan has an impressive background for this role.

Trustee Schwingbeck moved to concur in the Mayor's appointment of Jeff Lanaghan to the Zoning Board of Appeals term ending 4/30/24. Trustee Tinaglia seconded the motion.

Mr. Moen asked if there is any way that the Board can post resumes on the Committee of the Whole agenda. Village Manager Randy Recklaus said that there is some personal information listed in some cases but that a couple options can be discussed.

The Mayor stated there was a motion and a second and asked for a voice vote.

The following voice vote was recorded:

9 AYES

0 NAYS

The motion passed.

F. OTHER BUSINESS

G. ADJOURNMENT

Trustee Scaletta moved, and Trustee Canty seconded the motion to adjourn. The meeting adjourned at 7:56 pm.



**Village Board
9/3/2019**

Item: Committee of the Whole 08/13/2019

Department: Village Clerk

ATTACHMENTS:

Description	Type
Committee of the Whole 08/13/2019	Minutes

**MINUTES
COMMITTEE-OF-THE-WHOLE
PRESIDENT AND BOARD OF TRUSTEES
VILLAGE OF ARLINGTON HEIGHTS
BOARD ROOM
TUESDAY, AUGUST 13, 2019 7:30 P.M.**

BOARD MEMBERS PRESENT: President Hayes; Trustees: Baldino, Canty, LaBedz, Padovani, Rosenberg, Schwingbeck, Scaletta and Tinaglia

BOARD MEMBERS ABSENT: None

STAFF MEMBERS PRESENT: Randy Recklaus, Village Manager; Robin Ward, In-House Council and Kim Peterson, Recording Secretary

SUBJECTS:

- A. Discussion of Renewable Energy Municipal Aggregation
- B. Discussion of Adult-Use Cannabis

Other Business

Adjournment

President Hayes called the meeting to order at 7:30 PM. The Pledge of Allegiance was recited.

A. Discussion of Renewable Energy Municipal Aggregation

Mr. Recklaus explained how back in 2012, the Village implemented a municipal aggregation program that allowed residents to benefit from savings derived from bulk purchased electricity at a lower cost than what ComEd could offer. The program allowed residents to save a fair amount of money over several years. The electric market has evolved and since then ComEd's rates are more competitive and the financial benefits of municipal aggregation have diminished. The Village no longer participates in municipal aggregation, yet Staff still monitors the rates to determine if another aggregation opportunity should be pursued.

Earlier this year, the Village's Aggregation Consultant, NIMEC, made Staff aware of a new program called Renewable Energy Municipal Aggregation. This program would allow rates to remain the same, but the residents would be purchasing Renewable Energy Credits (RECs) for green or renewable power. There would also be financial benefits to the community as well with this program. The Arlington Heights Environmental Commission discussed this issue during their meetings on May 5th and June 6th and recommended that the Village pursue it.

Ms. Sharon Durling, representative from the Northern Illinois Municipal Electric Collaborative (NIMEC), discussed how the initial electric aggregation program was established, following the passage of a referendum in 2012. The program lasted five years and saved the average resident \$239, with a cumulative savings Village-wide of \$6.3 million, with no change in electric service. During this program, there was also a 100% renewable energy program, which required the purchase of renewable energy credits. This program significantly reduced the amount of carbon emissions. In 2017, the Village went out to bid again and could not find any savings; therefore, the program was suspended.

Ms. Durling explained how there is a new program available and the Village could re-start the 100% renewable energy aggregation program. Residents would still pay the same rate they are paying today with ComEd, if the Village were to establish an electric aggregation program. The estimated carbon reduction would be quite significant; therefore, the Village would earn the designation of an EPA Green Power Partner Community and receive some signage to post at Village limits, indicating this.

NIMEC started the first of these programs in 2018, and have since renewed the program for some of the participating communities. The EPA ranks every community across the United States as to the Green Power consumed as a percentage of total power consumed and there are six communities in Illinois that participate in this program and are ranked at the top of this list. Currently 16 communities have set up an aggregation program.

Ms. Durling explained the various options the Board has to choose from if they are interested in establishing an aggregation program, with MC Squared as the supplier, including a 100% renewable energy program, a 75% renewable energy program that includes a civic contribution of \$37,500, or a 50% renewable energy program that includes a civic contribution of \$75,000. This contribution is paid annually and the Environmental Commission already has some ideas about how this money can be used, including the installation of electric car public charging stations. Ms. Durling went on to explain how NIMEC recently learned of a new supplier, Eligo Energy, who would offer the same type of program, but with civic contributions of \$159,000 to \$213,000.

Trustee Rosenberg asked Ms. Durling if the positive environmental impact she discussed is a result of communities choosing 100% renewable energy, which she stated that it is. Trustee Rosenberg asked if Arlington Heights would immediately benefit from this environmental impact, which Ms. Durling said most likely not. Trustee Rosenberg also asked Ms. Durling if the cost to the resident changes based upon what option the Board chooses, which Ms. Durling said it would be the same regardless. Lastly, Trustee Rosenberg asked if the Board has the option to change the percentage of renewable energy from year to year, which Ms. Durling said they do.

Trustee Padovani asked Ms. Durling if the civic contribution would remain the same from year one to year two, which Ms. Durling replied that the offer presented by MC Squared would remain the same. Trustee Padovani also asked if the Village would

be penalized if they switched from one percentage to another, which Ms. Durling replied no.

Trustee Rosenberg asked Ms. Durling if there was any reason she could think of why the Village would not want to go with Eligo Energy, as they offer a higher civic contribution. Ms. Durling did say that NIMEC has more experience with MC Squared, however NIMEC has worked with Eligo and they do offer some good programs, as well as being licensed by the ITC. Ms. Durling believes the reason why the civic contributions are so different, is because MC Squared developed this propriety product and now there is a competitor. Mr. Recklaus is in favor of the Village vetting any renewable energy provider they are considering.

Trustee LaBedz asked what it means to have a renewable energy credit and how does it guarantee that the energy that is received comes from renewable sources, such as wind and solar. Ms. Durling explained how Renewable Energy Credits (RECs) are issued when one megawatt-hour (MWh) of electricity is generated and delivered to the electricity grid from a renewable energy resource. Mr. Recklaus stated that residents would not know if their energy is coming from a renewable source or a non-renewable source, such as coal. All of the energy generated, green or not, ends up on power grid for everyone to use. Mr. Recklaus explained how communities are essentially making an investment in these technologies, when they agree to purchase the RECs.

Trustee Padovani asked what an Arlington Heights resident would need to do to participate in this program. Ms. Durling stated that every resident would receive a letter explaining the program and how he or she does not need to do anything to enroll with the supplier- it would happen automatically. Residents would however have the opportunity to opt out of the program if they chose too.

Trustee Tinaglia asked why a community would choose one option over another. Ms. Durling explained how the decision is really up to the Board and if they want to say they have 100% renewable energy and support more wind generating farms.

Trustee Tinaglia asked why a community would get less money for having more renewable energy. Ms. Durling explained that RECs are expensive, and when a community chooses to have more renewable energy, there is an extra cost that goes into purchasing these credits. The result is less money available to give back to the community. Trustee Tinaglia is in favor of going all in on this program, or at least 50%.

Trustee Scaletta asked Mr. Recklaus what option Staff is recommending, which Mr. Recklaus stated that the Environmental Commission, not having the benefit of this new proposal by Eligo Energy, recommended 75%, with the monies received from the civic contribution being used to possibly fund electric public charging stations. The cost for two charging stations, with signage and painting, is \$30,000 to install, with annual fees of \$2,000. Trustee Scaletta asked what the fee would be to those using the charging station, which Mr. Recklaus stated that has not been decided yet.

Trustee Scaletta asked Ms. Durling what would happen if the Village signed a contract today with one of the two proposed suppliers and another supplier came along tomorrow with a better offer. Ms. Durling stated that she was surprised when Eligo Energy offered their proposed program, and does not anticipate any other suppliers coming forward at this point. Mr. Recklaus stated that this is a risk we would be taking, but it would only be for the 12-month term, therefore if another supplier came along, the Village could switch at that point. Trustee Scaletta is unsure if today is the day the Village chooses a supplier, but would love to see the Village go 100% green, as this concept fits in with the goals and objectives of the Board.

Trustee Canty agrees that the Village should go 100% green and would like Staff to vet Eligo Energy, or any other supplier that might come forward, to ensure that their proposal is legitimate.

Trustee Schwingbeck asked Mr. Recklaus if there is any downside to the Village offering an electric aggregation program and Mr. Recklaus said the only issue he could anticipate is residents being confused by the process.

Trustee Baldino supports the 100% green program proposed by Eligo Energy, as long as they are properly vetted.

Trustee Rosenberg asked Ms. Durling if there is any advantage to the Village if they were to sign a multi-year contract. Ms. Durling stated that the civic contribution would remain the same from year to year if the Village entered into a multi-year contract.

President Hayes is in favor of the 100% green program, with a 12-month term.

Trustee Canty moved, seconded by Trustee Scaletta, that the Committee-of-the-Whole recommend that Staff be directed to begin the RFP process as discussed, looking at multiple vendors and potentially multiple year contracts.

Upon a voice vote, the motion passed unanimously.

B. Discussion of Adult Use Cannabis

President Hayes explained how the State of Illinois recently passed legislation legalizing adult-use cannabis. This law becomes effective January 1, 2020. President Hayes stated that despite what people's opinions are regarding adult-use cannabis, the law was passed and now all municipalities in Illinois are forced to deal with this issue. President Hayes advised that the Village must now do their due diligence in determining what is best for the residents and businesses in town; therefore, he would like the Board to spend some time discussing this issue, as well as get input from residents, businesses and interest groups. President Hayes explained how Ms. Ward would begin this discussion with a short presentation as well as provide an overview of what the Village's options are moving forward. Following Ms. Ward's presentation, the Board will have the opportunity to ask

questions for clarification and then the public will have their chance to provide input. Once the public is finished making their comments, the Board will then have the opportunity to discuss this topic.

Mr. Recklaus explained how the State has already passed this law, so regardless of what people's opinions are, and regardless of what the Board decides to do, there will be people in Arlington Heights using marijuana. The objective of this discussion is to determine if the Village should allow businesses to sell cannabis, and if so, should these businesses allow consumption on their premises, should there be zoning regulations and to what extent should they be taxed. Village Staff has no recommendation on this issue as it is a policy decision for the Village Board.

Ms. Ward explained the Village's role with regard to adult-use cannabis related to businesses, and whether or not they are permitted to sell cannabis. The State handles everything else, including licensing. The Village can require a business license and impose zoning regulations, which would limit the number of businesses and where the businesses could be located. Municipalities can also impose a local excise tax up to 3%. Home cannabis growers have to be medical cannabis program users and they can only grow up to five plants.

Ms. Ward stated the Village has the option to adopt an ordinance completely prohibiting all adult-use cannabis businesses. The Village also has the option to adopt an ordinance permitting one cannabis business in the Village and limit it to being located with a medical cannabis dispensary. In addition, the Village also has the option to adopt an ordinance permitting any number of cannabis businesses. This would require the Board to determine what sorts of restrictions – number of businesses, locations of such businesses, whether to require special uses, minimum distances between cannabis businesses, whether to permit on-premises consumption, or any other regulations the Board wants to put in place.

President Hayes asked Ms. Ward to clarify if the Village could limit the number of adult-use cannabis businesses to an exact number, which Ms. Ward said they could. President Hayes asked for clarification about the existing medical marijuana dispensary and if this law pertains to them. Ms. Ward stated that this law does not include medical marijuana dispensaries; however, the law does allow existing medical dispensaries to have the first opportunity to add adult-use dispensary licenses, as they have already been vetted and have medical marijuana licenses.

Trustee Canty asked Ms. Ward if the law legalizing adult-use cannabis included zoning regulations, such as the distance between businesses, which Ms. Ward stated that it does not include these regulations. Ms. Ward stated that the law does contain advertising restrictions; so for example, a cannabis dispensary cannot advertise within 1000 feet of a school, therefore the business cannot be located within 1000 feet of a school.

Trustee Canty asked Ms. Ward if there are any cultivation centers in the Village, which Ms. Ward stated we do not. There is only one medical dispensary in town.

Trustee LaBedz asked Ms. Ward to clarify her statement about adult-use cannabis

businesses not being able to advertise within 1000 feet of a school and if the law is written this way because if a business were to put a sign identifying their business, this would be a form of advertisement, which is not allowed. Ms. Ward reiterated that a cannabis dispensary cannot advertise within 1,000 feet of a school and explained how the law actually states what you can and cannot put in the advertisement.

Trustee Tinaglia asked Ms. Ward to explain what would happen if the Village did nothing and someone decided to smoke marijuana out in the open. Ms. Ward explained that you will not be able to use cannabis publicly.

Dr. David Brottman, pediatrician in Arlington Heights for over 30 years, discussed the potential damage that can occur to a child's brain from marijuana use and the addictive nature of the substance. Dr. Brottman does not think the Village of Arlington Heights should allow the sale of recreational marijuana just because the State of Illinois passed a law legalizing it. Dr. Brottman is in favor of the Board choosing Option 1, which is to adopt an ordinance that prohibits all adult-use cannabis businesses.

Carson Ezell, resident of Buffalo Grove and a student at Stevenson High School, who also is a member of the Catalyst, a youth drug prevention group at Stevenson High School, has spent the past two years advocating against legalizing recreational marijuana in the State of Illinois. With the recent law that was passed legalizing recreational marijuana, Mr. Ezell believes the best course of action for all of the Villages to take is Option 1, and opt out of all marijuana dispensaries. Mr. Ezell believes that even though the marijuana sales would be limited to those 21 and over, he is certain the schools will be impacted in one way or another. Mr. Ezell provided some statistics to support his theory from State's that allow adult-use cannabis and believes with the rising THC levels, marijuana is only becoming a more dangerous product, particularly for the youth. Mr. Ezell believes marijuana dispensaries can work as hard as they want to normalize marijuana use, but he does not think they should be allowed to operate in our communities.

Victor Shi, student at Stevenson High School and member of Catalyst, a youth drug prevention group at Stevenson High School, discussed the impact marijuana use has on youth, adults and his peers. Mr. Shi also discussed the addictive nature of marijuana and how it is the objective of businesses to get as many individuals addicted to increase sales. Mr. Shi urges the Board to choose Option 1, and opt out of recreational marijuana sales, as the negative implications on the youth, minorities and Illinois residents is too high.

Trustee Rosenberg asked Mr. Shi if he believes many of the cities and villages in Illinois will ban the sale of recreational marijuana, similar to how over half of the counties in the State of Colorado did. Mr. Shi does believe this will happen, however he thinks the Board should choose Option 1 so marijuana does not fall into the hands of the youth. Trustee Rosenberg suggested that even if Arlington Heights were to ban the sale of marijuana, residents might travel to a nearby town to make their purchases. Mr. Shi said this might happen, however, if Arlington Heights chooses to ban the sale of recreational marijuana, this sends a strong message to

the youth in the community.

Dr. Aaron Weiner, Licensed Clinical Psychologist and Director of Addiction Services at Linden Oaks Behavioral Health, first stated that he believes there is benefit one can get through exercising one's ability through local control. Dr. Weiner went on to say that more access means more use and less access means less use. This is where local control can come in and the Village can send a message to their residents and determine how easily they can obtain marijuana, despite the legalization by the State. Dr. Weiner provided some statistics regarding marijuana use, from states that have already legalized the sale of recreational marijuana. Dr. Weiner pointed out how the Village of Arlington Heights voted to prohibit the sale of tobacco products to those under the age of 21, which limits the access, and in turn use. The same concept applies for recreational marijuana sales. If businesses are allowed to sell recreational marijuana, access to this addictive product is much easier; therefore, the marijuana use will rise. Dr. Weiner discussed the rise in THC levels in these products and the harm this can do to one's body and mind. Dr. Weiner believes the Board has an opportunity to determine how easily the residents of Arlington Heights can obtain marijuana to use recreationally. In addition, the Board has the opportunity to send a message about whether they promote or endorse getting high as recreation. The more people that are high, the worse off the community is. Dr. Weiner is recommending the Village opt out.

Trustee Canty asked if Dr. Weiner is also suggesting that the Village ban alcohol sales. Dr. Weiner believes this all comes down to a change in policy, and if the Village decides to allow cannabis sales, and essentially invite this element in, you are sending a message about what is valued here in Arlington Heights.

Jeremy Unruh, Director of Regulatory Affairs for PharmaCann, which is the medical cannabis dispensary in Arlington Heights, stated that there are many statistics being presented at tonight's meeting, however the only fact that is indisputable is how in the more than 3,000 years that cannabis has been used, there has not been one single reported fatality from the overdose of cannabis. Mr. Unruh stated that he would like to invite the Board to allow adult-use cannabis sales in Arlington Heights. In addition, he would like to invite all of the Board members to visit PharmaCann, if they had not already done so, to see what their process is, what their security and consumer protections are like, before they make their decision tonight. Mr. Unruh informed the Board that there has not been one single first responder call since the dispensary opened and it is not their intention to allow onsite consumption. Mr. Unruh explained how based upon their dispensary in Wareham, Massachusetts, who just began selling adult-use cannabis in December of 2018, and generated over \$300,000 in tax revenue for the city with a 3% sales tax, he anticipates being able to give Arlington Heights approximately \$600,000 in tax revenue.

President Hayes asked Mr. Unruh what the maximum amount of THC per dose, which Mr. Unruh stated it is 10 milligrams per dose. President Hayes then asked what the maximum percentage of THC per dose is. Mr. Unruh explained that the limit per dose is 10 milligrams of active ingredient. President Hayes asked how this limit compares to what would be sold in a recreational facility, which Mr. Unruh stated the products would be the same as what they are selling now. The difference

will be is that now, a patient will walk in with their medical card, and an adult-use consumer will show their Driver's License or State ID to prove they are 21.

President Hayes asked Ms. Ward if there is anything in the State legislation that limits the amount of THC in recreational marijuana. Ms. Ward could not immediately find any verbiage in the law that limits the amount of THC; however, she did state that any restrictions that are in place for the sale of medical marijuana would be in place for adult-use sales as well. President Hayes would like to ensure the level of potency would be limited if the Board was to go ahead and allow adult-use cannabis sales in town.

Trustee Rosenberg asked if there would be a limit to how much recreational marijuana someone could buy. Mr. Unruh explained that there is a possession limit. Trustee Rosenberg asked how often someone could purchase recreational marijuana. Mr. Unruh explained how PharmaCann would not be over-dispensing to consumers, as their license costs too much and the potential to be shutdown exists. Trustee Rosenberg asked Mr. Unruh if they would be tracking their customer sales, which Mr. Unruh stated they would not. Mr. Unruh explained how they would have procedures in place to ask someone not to return to their dispensary if they believe someone is abusing the possession restriction.

Trustee LaBedz asked Mr. Unruh if they would be carding everyone entering their facility. Mr. Unruh advised they would actually be carding consumers twice, to confirm they are 21.

Trustee Padovani asked Mr. Unruh what amount of foot traffic does PharmaCann anticipate. Trustee Scaletta is concerned with the amount of questions and time spent discussing what PharmaCann would do if allowed to sell adult-use cannabis, as they are not going to be automatically chosen as a distributor if the Board chooses to allow adult-use sales. President Hayes explained how PharmaCann is currently the only medical marijuana dispensary in town, thereby, giving them the first opportunity to sell recreational marijuana under the new law.

Frank Adams, District 214 student and member of the Linked Together Coalition, discussed the various social media applications that companies use to promote the use of cannabis and normalize its' use. Mr. Adams presented some unique forms of marketing cannabis companies use to capture the attention of youth without outwardly advertising the fact that they sell marijuana. Mr. Adams does not believe Arlington Heights wants to support an industry that markets to local teens.

Jorie Ouimet, representative of the Linked Together Coalition and resident of Buffalo Grove, encouraged everyone to visit PharmaCann's website to see how much THC is in some of the products they sell. Ms. Ouimet referenced the Physician Statement from Linked Together regarding Recreational Use of Marijuana in Teens that she distributed to the Board and highlighted some of the key points. Ms. Ouimet encourages the Board to research some of the other communities that have legalized recreational marijuana and reach out to some of those community members, police officers or school officials to see what kind of impact they have seen from having a recreational marijuana dispensary in their town.

Kevin Corcoran, Arlington Heights resident and medical marijuana user, spoke about the benefits of medical marijuana and how it has improved the quality of his life. Mr. Corcoran obtains his medical marijuana from PharmaCann and thinks very highly of the establishment and their staff. Mr. Corcoran believes the benefits are far greater than any negative issues and PharmaCann should be allowed to continue to operate. President Hayes clarified that PharmaCann's viability as a medical marijuana dispensary is not an issue. The question the Board is discussing is whether the Village should allow businesses to sell adult-use cannabis.

Dan Militello, Director of Retail Operations, PharmaCann, explained how PharmaCann is not interested in on-site use, they would just like to expand their business and offer adult-use cannabis. Mr. Militello advised that PharmaCann currently operates with approximately 10 – 12 employees and if they are allowed to sell adult-use cannabis, they will need to employ 40 – 50 individuals, preferably from the community.

Mike Alexander, employee of PharmaCann and former police officer, reiterated the fact that there has not been one call for service at PharmaCann and how their average patient is a middle class female, 45 – 62 years of age. Mr. Alexander explained how cannabis is an exit drug, as it helps those who have addictions get themselves off sometimes fatal drugs.

Christine Bernard, medical cannabis patient and PharmaCann customer, does believe individuals will travel to other towns to purchase marijuana, if Arlington Heights decides to not allow businesses to sell recreational marijuana. Ms. Bernard also believes it is important that jobs will be created if businesses are allowed to sell recreational marijuana.

Mike Richards, Outreach and Development Manager, PharmaCann, explained how the most rewarding work he has done in his life has been at PharmaCann and the most important aspect is community involvement. Mr. Richards advised that education is paramount to PharmaCann; therefore, they make it a point to go out into the community to educate physicians and hold workshops, and most importantly teach the youth that cannabis is for those 21 and over.

Lisa Slankard, pharmacist and resident of Arlington Heights, supported the cannabis bill when it was first written and still supports it, as she believes a lot of work went into trying to avoid the issues that occurred in the states that have already legalized recreational marijuana. Ms. Slankard is in favor of Option 3, as the purpose of the law is to make marijuana safer for people who do use it. Ms. Slankard likes the idea of having multiple businesses selling cannabis, as it promotes competition.

Joel Stein, medical marijuana patient and PharmaCann customer, spoke about the pain relief he experiences when using marijuana and how he is in favor of businesses in Arlington Heights selling recreational marijuana. Mr. Stein addressed the problems some individuals experience when trying to obtain their medical marijuana card from the State of Illinois and believes these issues can be alleviated

if consumers can just purchase their marijuana at local retailers.

Dina Rollman, Senior Vice President for Government and Regulatory Affairs, Green Thumb Industries, which is a Chicago-based operator of medical cannabis and adult-use dispensaries throughout the country. Ms. Rollman advised that Green Thumb Industries is very interested in operating an adult-use dispensary in Arlington Heights. Ms. Rollman explained how Green Thumb Industries already operates dispensaries in Massachusetts and Nevada. Ms. Rollman discussed the probability of neighboring towns opting to allow recreational marijuana dispensaries, which may or may not be regulated. Ms. Rollman believes it would make sense for Arlington Heights to allow dispensaries, as they can regulate them, and in addition, generate revenue for the community. Ms. Rollman welcomed the Board to address any of their concerns with her and encouraged them to choose Option 3. Trustee Rosenberg asked Ms. Rollman if her company is allowed to sell adult-use cannabis here in Arlington Heights, would they also sell to those who hold medical marijuana cards, which Ms. Rollman said they would, but it would be at the regular rate, as opposed to the reduced rate medical marijuana card holders receive. In addition, Trustee Rosenberg asked if Ms. Rollman if her dispensaries have a medically trained employee to assist patients who use marijuana for medical purposes. Ms. Rollman stated most of her dispensaries have a licensed pharmacist on-site and many of the employees undergo weeks of in-house training.

Nancy Duel, resident of Arlington Heights, read excerpts from several news articles and brochures that discussed the negative effects of marijuana, mainly when it comes to children, and informed the Board there is currently no roadside sobriety test for marijuana. Ms. Duel explained how she was confused by the options available to the Board, as she associates medical marijuana users with adult-use cannabis. Mr. Recklaus explained how "adult-use cannabis" is the terminology that is used to refer to those that are non-medical or recreational users of cannabis. In response to Mr. Recklaus' explanation, Ms. Duel is in favor of Option 1.

President Hayes once again reiterated the fact that the issue being discussed tonight has nothing to do with medical marijuana and the dispensary located in Arlington Heights. President Hayes believes PharmaCann has done a great job helping people in the community and understands the difficulties some face when trying to obtain their medical marijuana card from the State, however he does not feel it is the Village's responsibility to correct the situation. President Hayes believes his primary job is to provide for the health, safety and welfare of the residents and all of those who live and work in the Village. President Hayes also strives to preserve and protect the image and reputation of this community. President Hayes is very proud of the reputation Arlington Heights has as being a family oriented community, therefore he strongly favors Option 1, which would prohibit the sale of recreational marijuana.

Trustee Scaletta thanked everyone who came out and spoke on this issue, as he feels it is important to hear from the residents and those that will be impacted by their decision. Trustee Scaletta is fairly confident one or more of the surrounding communities will decide to sell adult-use cannabis, therefore he believes the Board needs to find a way to permit it, with some restrictions. Trustee Scaletta does not

believe adult-use cannabis sales should be in the same environment as the medical dispensary. In addition, Trustee Scaletta is not in favor of one business having the monopoly on adult-use cannabis sales. Trustee Scaletta is unsure if he would have voted for legalizing cannabis in the State of Illinois, but the law was passed and he cannot do anything about that, but what he can do is regulate what goes on in the Village of Arlington Heights. Trustee Scaletta discussed the difficulty most residents experience in defining the borders of Arlington Heights and knowing what businesses are located in what towns. Trustee Scaletta is in favor of allowing adult-use cannabis businesses in Arlington Heights and accepting the 3% local tax to better the tax base, as long as they are required to have a special use permit and business license, and the Village imposes limits on the number of businesses, with no business being located in the central business district or near schools.

Trustee Tinaglia asked Ms. Ward which towns or counties could opt out, which Ms. Ward stated anyone could opt out. Trustee Tinaglia agrees with Trustee Scaletta that the Village's borders are hard to define and would hate to think that a neighboring community would benefit from sales from our residents.

Trustee Tinaglia referenced some of the public comments that talked about potential tax revenue for the Village and asked why there is such a huge disparity in these numbers. Mr. Jeremy Unruh, Director of Regulatory Affairs for PharmaCann, advised that the proposed tax revenue of \$30,000 was given by an individual who is not a proponent of businesses in Arlington Heights selling adult-use cannabis, whereby, the higher amount of \$600,000 was provided by Mr. Unruh himself, and based on the amount of tax revenue generated by one of PharmaCann's adult-use cannabis dispensary in Massachusetts. Trustee Tinaglia asked Mr. Recklaus what other business establishments in the Village generate \$600,000 in tax revenue, which Mr. Recklaus stated "big box" retailers, car dealerships and larger appliance stores. Mr. Recklaus went on to explain how Staff has not done any kind of analysis to validate the \$600,000 in revenue, which he expects the Board to request moving forward.

Trustee Tinaglia has spoken with numerous doctors and has been told by all of them that smoking marijuana is so much safer than taking opioids. Trustee Tinaglia feels that if the Village zones these establishments properly and regulates them, he believes it makes sense to keep the local sales tax here in town. Trustee Tinaglia is in favor of using some of these tax dollars to equip the Police with the necessary tools they need to ensure everyone's safety.

Trustee Canty is in favor of the sale of recreational use marijuana in the Village, as she does not believe the Village should try to undo what the State has done by banning the sale of marijuana, to try to present a moral stand, as the Village currently allows the sale of alcohol and cigarettes, and gambling at the racetrack. Trustee Canty does agree that the Board would need to determine how these establishments should be zoned, how many there should be and how much revenue can actually be generated. Trustee Canty believes it is the duty of the Board to look for additional tax revenue.

Trustee Padovani spent the last three weeks talking to people in the community

about this issue and received varying responses, but for the most part, Trustee Padovani could lump the responses into three different groups. The first group is adamantly opposed to the idea, as this is a family oriented community. The next group is interested in the sale of adult-use cannabis, mainly because of the tax revenue these sales can generate. The last group would like to see businesses sell adult-use cannabis here, but would also be okay if they were banned. This final group is also interested in the tax revenue if indeed it is substantial. Trustee Padovani believes the \$600,000 in potential revenue PharmaCann suggested is a number that cannot be ignored. Trustee Padovani would like Staff to verify that this number is real and check with other communities to see what their actual revenue numbers look like. Trustee Padovani is not prepared to make a decision yet, as to which option he is in favor of supporting.

Trustee LaBedz has always been opposed to the legalization of marijuana; therefore, she is really struggling with the idea of Arlington Heights allowing the sale of adult-use cannabis. Trustee LaBedz has also spoken with residents in the community about this topic and heard stories about individuals who lost their lives to drug addiction and marijuana was the entry drug, not the exit drug as discussed earlier. Most of the residents Trustee LaBedz had the opportunity to speak with oppose the sale of recreational marijuana.

In addition, Trustee LaBedz learned that many of the communities that decided to allow for the sale of adult-use cannabis did not end up making anywhere close to the amount of money they thought they would in tax revenue. Trustee LaBedz also read various articles that suggested the cost of purchasing marijuana at an adult-use cannabis dispensary far exceeded the cost of purchasing marijuana from a street dealer. Trustee LaBedz is leaning towards Option 1, but would like some additional information from Staff, before she makes her final decision. Trustee LaBedz plans to visit PharmaCann to see how their dispensary operates.

Trustee Rosenberg is in favor of Option 3, as some of the surrounding communities will most likely vote to allow for the sale of adult-use cannabis, and therefore benefit from any revenue generated by Arlington Heights residents. Trustee Rosenberg believes these businesses should be heavily regulated, and there should be no more than a half dozen spread around the Village. Special use permits and business licenses should be required and the dispensaries should be located a certain distance from schools. Trustee Rosenberg stated that he is concerned about the youth aspect, but feels they will always find a way around it.

Trustee Schwingbeck shares the same philosophy as President Hayes, although he did spend a good deal of time educating himself on the topics of recreational marijuana and medical marijuana use, even so far as visiting PharmaCann to observe their operation, to make an informed decision. Trustee Schwingbeck is in favor of opposing the sale of adult-use cannabis.

Trustee Baldino is sensitive to the issue of marijuana use by youth, however the proposed tax revenue is substantial and this money can go a long way to benefiting the entire Village; therefore, he is in favor of Option 3. Trustee Baldino is not in favor of on-site consumption and feels Trustee Rosenberg's suggestion of a half

dozen dispensaries is too high.

President Hayes understands how the revenue aspect can be an enticing factor, but the Board took a stand on several occasions to forgo the potential revenue because what was being proposed was not in the best interest of the community. The Board does not have to accept this. President Hayes believes the consensus of the Board is to gather some additional information and discuss the issue again before a final vote is taken.

Mr. Recklaus advised that the direction he has received from the Board is to revisit this issue sometime in mid to late Fall, with the appropriate prepared ordinances. Mr. Recklaus stated that from the information he has gathered from this meeting, there is sufficient interest for the exploration of permitting adult-use cannabis businesses. There is not a lot of interest for on-site consumption, although there is interest in establishing some sort of special use process, as well as zoning, and limits on the number of dispensaries. Mr. Recklaus believes the critical piece of information that everyone seems to be interested in is the amount of revenue that could potentially be generated by the 3% local tax. Mr. Recklaus advised Staff will do the best they can to get a revenue estimate. President Hayes believes the Board needs to meet again before the Fall to discuss this issue further, and any ordinances that may be drawn up, should be done following that meeting.

Trustee Tinaglia is interested in knowing what kinds of rules and restrictions will the Board be required to follow when drafting an ordinance.

Other Business

None

Adjournment

Trustee Scaletta moved, seconded by Trustee Tinaglia, to adjourn the meeting at 10:28 p.m. Upon a voice vote, the motion passed unanimously.



**Village Board
9/3/2019**

Item: Committee of the Whole 08/19/2019

Department: Village Clerk

ATTACHMENTS:

Description	Type
Committee of the Whole 08/19/2019	Minutes

**MINUTES OF THE COMMITTEE-OF-THE-WHOLE MEETING OF THE PRESIDENT AND
BOARD OF TRUSTEES OF THE
VILLAGE OF ARLINGTON HEIGHTS
33 S. ARLINGTON HEIGHTS ROAD - COMMUNITY ROOM
August 19, 2019 – 7:30 PM**

President Hayes called the meeting to order at 7:30 PM.

BOARD MEMBERS PRESENT: Mayor Hayes; Trustees Baldino, Canty, LaBedz, Padovani, Rosenberg, Schwingbeck, Tinaglia

BOARD MEMBERS ABSENT: Trustee John Scaletta

STAFF MEMBERS PRESENT: Assistant Village Manager Diana Mikula

OTHERS PRESENT: Lyndsay Holton-Crowe, Brian Wolf

A. Interview of Lyndsay Holton-Crowe for appointment to the Arlington Economic Alliance (Downtown Representative) - term ending 4/30/22

Mayor Hayes introduced Lyndsay Holton-Crowe and thanked Michael Mertes for recommending Ms. Holton-Crowe. Trustee Tinaglia asked what Ms. Holton-Crowe feels she will bring to the table to AEA. Ms. Holton-Crowe said she would like to bring her media and technology business sense and also help to outreach as others may not know about AEA. Discussion ensued as to the focus of Ms. Holton-Crowe's business and how she picked Arlington Heights as well as to the business location and her contact with other businesses in her area. Trustees thanked Ms. Holton-Crowe for her willingness to serve.

Trustee LaBedz moved to concur in the Mayor's appointment of Lyndsay Holton-Crowe to the Arlington Economic Alliance (Downtown Representative) - term ending 4/30/22. Trustee Baldino seconded the motion.

THE FOLLOWING VOICE VOTE WAS RECORDED:

8 AYES

0 NAYS

The motion passed.

B. Interview of Brian Wolf for Appointment to the Arts Commission – term ending 4/30/21

Brian Wolf was introduced by the Mayor who commented that Mr. Wolf saw the posting for Boards and Commission openings on the Village website. He applied for either the Housing or Arts Commission and when talking with the Mayor decided to pursue the Arts Commission. Mr. Wolf stated that he has a degree in theater and sat in on a meeting of the Arts Commission and feels it will be a good fit.

Trustee LaBedz asked what Mr. Wolf hopes to see or do on the commission. Mr. Wolf stated that he has seen that a lot of the items presented by the Arts Commission is visual in nature and he is into music and would like to explore that. Trustee Padovani thanked Mr. Wolf for his willingness to serve as well as his service in the Air National Guard.

Trustee Tinaglia moved to concur in the Mayor's appointment of Brian Wolf to the Arts Commission - term ending 4/30/21. Trustee Schwingbeck seconded the motion.

THE FOLLOWING VOICE VOTE WAS RECORDED:

8 AYES

0 NAYS

The motion passed.

- C. OTHER BUSINESS** – The Mayor commented that he has many resumes for the Housing Commission and hopes to have two candidates to bring to the table for the September 3 meeting.

The Mayor took a question from the audience. Keith Moen asked if candidate resumes could be attached to the website. The Mayor said that there was some privacy concerns but asked Assistant Village Manager, Diana Mikula to follow up on the feasibility with Village Manager Randy Recklaus.

D. ADJOURNMENT

Trustee Padovani moved, and Trustee Canty seconded the motion to adjourn. The meeting adjourned at 7:52 p.m.



**Village Board
9/3/2019**

Item: Village Board 08/19/2019

Department: Village Clerk

ATTACHMENTS:

Description	Type
Village Board 08/19/2019	Minutes



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

August 19, 2019

8:00 PM

I. CALL TO ORDER

II. PLEDGE OF ALLEGIANCE

III. ROLL CALL OF MEMBERS

President Hayes and the following Trustees responded to roll: Canty, Scaletta, LaBedz, Padovani, Tinaglia, Rosenberg, Baldino and Schwingbeck.

Also present were: Randy Recklaus, Robin Ward, Mike Pagones and Becky Hume.

IV. APPROVAL OF MINUTES

A. Committee of the Whole 07/09/2019 Approved

Trustee Robin LaBedz moved to approve. Trustee Greg Padovani Seconded the Motion.

The Motion: Passed

Ayes: Baldino, Canty, Hayes, LaBedz, Padovani, Rosenberg, Scaletta, Schwingbeck, Tinaglia

B. Committee of the Whole 07/15/2019 Approved

Trustee John Scaletta moved to approve. Trustee Richard Baldino Seconded the Motion.

The Motion: Passed

Ayes: Baldino, Canty, Hayes, LaBedz, Padovani, Rosenberg, Scaletta,

Schwingbeck, Tinaglia

C. Village Board 08/05/2019

Approved

Trustee Mary Beth Canty moved to approve. Trustee Richard Baldino Seconded the Motion.

The Motion: Passed

Ayes: Baldino, Canty, Hayes, LaBedz, Padovani, Rosenberg, Scaletta, Schwingbeck, Tinaglia

V. APPROVAL OF ACCOUNTS PAYABLE

A. Warrant Register 08/15/2019

Approved

Trustee Bert Rosenberg moved to approve the Warrant Register of 8/15/19 in the amount of \$3,818,231.50. Trustee John Scaletta Seconded the Motion.

The Motion: Passed

Ayes: Baldino, Canty, Hayes, LaBedz, Padovani, Rosenberg, Scaletta, Schwingbeck, Tinaglia

VI. RECOGNITIONS AND PRESENTATIONS

A. Swearing-in of Nicholas Pecora as Chief of Police

Mr. Pecora was hired in 1982 as a Public Service Officer and rose through the ranks culminating in his appointment as Chief of Police this evening. He brings an extensive background in law enforcement, a knowledge of the community and administrative experience to the position.

Mr. Pecora said when he wears the Police Chief hat, he wears a resident's hat and he will work to help protect the Village and be fiscally responsible. He thanked his family, the Police Department and the Village Administration.

President Hayes administered the Oath of Office to Mr. Pecora.

B. Swearing-in of Andrew Flentge as Police Sergeant

President Hayes administered the Oath of Office to Mr. Flentge.

- C. Swearing-in of Curt Hanselman as Battalion Chief

President Hayes administered the Oath of office to Mr. Hanselman.

- D. Swearing-in of Ross Chapman as Fire Lieutenant

President Hayes administered the Oath of Office to Mr. Chapman.

VII. PUBLIC HEARINGS

VIII. CITIZENS TO BE HEARD

Resident Mary Lou Olhava said her remarks were for Trustees Baldino, Canty, Tinaglia, Scaletta and Rosenberg. She said she was disappointed that they were comfortable with the sale of marijuana in the Village. She said these Trustees agreed with Springfield in the legalization, which in her mind is a grab for money. She worried that people would be hanging out and looking to get high in public places. She asked the Board to research the effects of legalization in the States where it has been passed.

President Hayes said there will be a second meeting on the issue where a final vote will occur. In the meantime, the Board is in the information gathering process. Any reports the Board receives will also be available to the public. Mr. Recklaus said the Board of Health and the Arlington Economic Alliance will both be reviewing the issue before it comes back to the Board. All Village Departments will also review potential outcomes.

Trustee Tinaglia said the State of Illinois decided that marijuana will be legal January 1, 2020. That was not up to the Board, marijuana use will be legal in the Village. It will be controlled like alcohol, so saying it will be near schools and in parks is not the discussion. What the Board can do is to control it. The Board can control how and where it is sold. If a user buys it in Buffalo Grove, that town gets the tax dollars. If the Village allows it to be sold here, we get the tax dollars. People will be buying it whether or not the Village is allowing it to be sold and the Village will have to deal with the consequences of the users regardless. The taxes would add monies for education and enforcement for a situation that is coming no matter whether the Village allows the sales or not.

President Hayes said the amount of taxes to be gained is still undetermined. A private business estimated an amount but staff is researching this number and it should not be reported out in the media as it is a guess.

IX. OLD BUSINESS

- A. Report of Committee-of-the-Whole Meeting of August 19, 2019 Approved

Interview of Lyndsay Holton-Crowe for
appointment to the Arlington Economic Alliance
- term ending 4/30/22

President Hayes administered the Oath of Office to Mr. Wolf.

Trustee Jim Tinaglia moved to concur with the Village President's
appointment of Mr. Wolf with a term ending 4/30/2021. Trustee Tom
Schwingbeck Seconded the Motion.

The Motion: Passed

Ayes: Baldino, Canty, Hayes, LaBedz, Padovani, Rosenberg, Scaletta,
Schwingbeck, Tinaglia

- B. Report of Committee of the Whole of August 19, Approved
2019

Interview of Brian Wolf for appointment to the
Arts Commission - term ending 4/30/2021

President Hayes administered the Oath of Office to Ms. Holton-Crowe.

Trustee Mary Beth Canty moved to concur with the President's appointment
of Ms. Holton-Crowe with a term ending 4/30/2022. Trustee Richard
Baldino Seconded the Motion.

The Motion: Passed

Ayes: Baldino, Canty, Hayes, LaBedz, Padovani, Rosenberg, Scaletta,
Schwingbeck, Tinaglia

X. CONSENT AGENDA

CONSENT OLD BUSINESS

CONSENT APPROVAL OF BIDS

- A. 2019 Downtown Paver Brick Program Approved

Trustee Greg Padovani moved to approve. Trustee Robin LaBedz Seconded
the Motion.

The Motion: Passed

Ayes: Baldino, Canty, Hayes, LaBedz, Padovani, Rosenberg, Scaletta,
Schwingbeck, Tinaglia

- B. 2019 Resurfacing Program & Sidewalk Program - Approved
Change Order No. 1

Trustee Greg Padovani moved to approve. Trustee Robin LaBedz Seconded the Motion.

The Motion: Passed

Ayes: Baldino, Canty, Hayes, LaBedz, Padovani, Rosenberg, Scaletta, Schwingbeck, Tinaglia

- C. Backyard Drainage Improvements 2019 Approved

Trustee Greg Padovani moved to approve. Trustee Robin LaBedz Seconded the Motion.

The Motion: Passed

Ayes: Baldino, Canty, Hayes, LaBedz, Padovani, Rosenberg, Scaletta, Schwingbeck, Tinaglia

CONSENT LEGAL

- A. An Ordinance Amending Planned Unit Development Ordinance Number 06-043 (Arlington Market, 1-5 and 9-52 N Beverly Ln) Approved

Trustee Greg Padovani moved to approve 19-028. Trustee Robin LaBedz Seconded the Motion.

The Motion: Passed

Ayes: Baldino, Canty, Hayes, LaBedz, Padovani, Rosenberg, Scaletta, Schwingbeck, Tinaglia

- B. An Ordinance Amending Chapter 13 of the Arlington Heights Municipal Code (Making available Class "B," "E" and "T" liquor licenses) Approved

Trustee Greg Padovani moved to approve 19-029. Trustee Robin LaBedz Seconded the Motion.

The Motion: Passed

Ayes: Baldino, Canty, Hayes, LaBedz, Padovani, Rosenberg, Scaletta, Schwingbeck, Tinaglia

CONSENT REPORT OF THE VILLAGE MANAGER

CONSENT PETITIONS AND COMMUNICATIONS

A. Bond Waiver - Galloping Out Approved

Trustee Greg Padovani moved to approve. Trustee Robin LaBedz Seconded the Motion.

The Motion: Passed

Ayes: Baldino, Canty, Hayes, LaBedz, Padovani, Rosenberg, Scaletta, Schwingbeck, Tinaglia

XI. APPROVAL OF BIDS

XII. NEW BUSINESS

XIII. LEGAL

XIV. REPORT OF THE VILLAGE MANAGER

A. Approval of 2020-2021 Strategic Priorities Approved

Mr. Recklaus explained that every two years the Board discusses and determines strategic priorities. These priorities serve as guiding principles for the biannual business plan and the annual budget process. The Board met July 9th to establish the 2020-2021 priorities. They are:

1. Identify, explore, and enhance revenue sources while monitoring taxes.
2. Review and update Village Affordable Housing strategy and regulations.
3. Continue improving Building & Life Safety processes and customer service.
4. Increase efficiencies throughout Village processes and procedures.
5. Enhance business development efforts.
6. Explore new sustainability initiatives.
7. Continue with infrastructure improvement efforts.
8. Review impact of changes to cannabis laws.
9. Find new ways to embrace diversity within the community and the Village Government.

Trustee John Scaletta moved to approve. Trustee Jim Tinaglia seconded the motion.

The Motion: Passed

Ayes: Baldino, Canty, Hayes, LaBedz, Padovani, Rosenberg, Scaletta, Schwingbeck, Tinaglia

XV. APPOINTMENTS

XVI. PETITIONS AND COMMUNICATIONS

Trustee Rosenberg invited residents to the *Walk in the Park* at North School Park on Sunday, August 25th from 10 am to 5 pm.

XVII. ADJOURNMENT

Trustee Richard Baldino moved to adjourn at 8:47 p.m. Trustee Mary Beth Canty Seconded the Motion.

The Motion: Passed

Ayes: Baldino, Canty, Hayes, LaBedz, Padovani, Rosenberg, Scaletta, Schwingbeck, Tinaglia



**Village Board
9/3/2019**

Item: Warrant Register 08/30/2019

Department: Village Clerk

ATTACHMENTS:

Description

Warrant Register 08/30/2019

Type

Warrant Register



**VILLAGE OF ARLINGTON
HEIGHTS
WARRANT REGISTER FOR
CHECK DATE: 8-30-2019**

Fund	Fund Description	Total Transaction Amount
101	General Fund	\$505,322.88
211	Motor Fuel Tax Fund	\$422,290.54
227	Foreign Fire Ins Tax Fund	\$1,033.00
231	Criminal Investigation Fd	\$433.25
235	Municipal Parkg Opr Fund	\$14,243.49
401	Capital Projects Fund	\$451,599.61
426	Storm Water Control Fund	\$198,241.80
431	Public Building Fund	\$200,307.51
505	Water and Sewer Fund	\$570,756.75
511	Solid Waste Fund SWANCC	\$117,099.48
515	Arts,Entert & Events Fund	\$33,228.12
605	Health Insurance Fund	\$31,132.72
611	General Liability Ins Fnd	\$14,149.25
615	Workers Compensation Ins	\$27,712.50
621	Fleet Operations Fund	\$207,647.26
625	Technology Fund	\$65,497.05
715	Guaranty Deposits Fund	\$2,250.00
721	Escrow Deposits Fund	\$1,000.00
TOTAL ALL FUNDS		\$2,863,945.21

WARRANT REGISTER - GM0002**Department: 0****Division: 0**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
2192	505-0000-452.42-00	BARNABY'S	REFUND WATER BILL	\$585.86	\$585.86
219534	715-0000-220.93-00	ADRIANA HERNANDEZ	BOND REFUND	\$200.00	\$200.00
219543	101-0000-421.99-00	AMERICA'S BACKYARD	OL REFUNDS	\$65.00	\$65.00
219547	505-0000-452.42-00	ANDERSON & VREELAND EAST INC	WATER BILL REFUND	\$506.54	\$506.54
219558	101-0000-489.85-00	MERCHANTS CREDIT GUIDE CO	COLLECTION FEES	\$314.83	\$314.83
219565	235-0000-435.65-03	LYNN BERRY	REFUND PARKING PERMIT	\$40.00	\$40.00
219578	101-0000-433.26-00	TOM CHOI	REFUND TOWING FEE	\$500.00	\$500.00
219580	715-0000-220.93-00	CIRCLE HILL APARTMENTS 19 2834	BOND REFUND	\$1,000.00	\$1,000.00
219593	101-0000-421.20-00	KENNETH DUKE	REFUND LIQUOR LICENSE	\$2,123.80	\$2,123.80
219603	715-0000-220.93-00	FORTIS 19 1521	BOND REFUND	\$200.00	\$200.00
219646	715-0000-220.93-00	MARIAE BORSATTI 19 1513	BOND REFUND	\$100.00	\$100.00
219670	101-0000-140.50-00	OFFICE DEPOT	PAPER, OFFICE, MAILROOM	\$884.00	\$884.00
219683	235-0000-435.65-03	BRUCE RENZ	REFUND PARKING PERMIT	\$40.00	\$40.00
219684	715-0000-220.93-00	RICHARD L ELKINS 19 642	BOND REFUND	\$200.00	\$200.00
219685	715-0000-220.93-00	RICHARD MACANDREWS 19 452	BOND REFUND	\$150.00	\$150.00
219720	715-0000-220.93-00	SZABO, CAROLYN 191047	BOND REFUND	\$200.00	\$200.00
219729	715-0000-220.93-00	TOM WEINBERG 18 2138	BOND REFUND	\$200.00	\$200.00
219738	101-0000-211.06-00	VISION SERVICE PLAN	BASE VISION PREMIUM	\$1,219.06	\$4,163.63
			PREMIER VISION PREMIUM	\$2,944.57	
219739	721-0000-221.10-08	VISU SEWER	HYDRANT METER REFUND	\$1,000.00	\$1,000.00
801873	101-0000-210.95-00	RTA/CTA BENEFIT PROGRAM	RTA CTA BENEFIT PROGRAM	\$543.00	\$543.00
901485	101-0000-210.92-00	EMPLOYEE BENEFITS CORP	FSA MEDICAL	\$3,255.59	\$3,255.59
	101-0000-210.94-00	EMPLOYEE BENEFITS CORP	FSA DEPENDENT CARE	\$947.34	\$947.34

WARRANT REGISTER - GM0002

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
901488	101-0000-210.91-00	EMPLOYEE BENEFITS CORP	EBC FLEX FEES	\$759.50	\$759.50
901489	101-0000-210.92-00	EMPLOYEE BENEFITS CORP	FSA MEDICAL	\$5,282.47	\$5,282.47
	101-0000-210.94-00	EMPLOYEE BENEFITS CORP	FSA DEPENDENT CARE	\$624.78	\$624.78
				Division 0 Total	\$23,886.34
				Department 0 Total	\$23,886.34

WARRANT REGISTER - GM0002**Department: 1 Board of Trustees****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219572	101-0101-501.21-65	CAPTION FIRST INC	CLOSED CAPTIONING	\$420.00	\$420.00
219615	101-0101-501.22-03	HARRIS TRUST & SAVINGS BANK	CORNER BAKERY 0175	\$93.60	\$546.60
			FRANCESCA S TAVOLA	\$453.00	
				Division 1 Total	\$966.60
				Department 1 Total	\$966.60

WARRANT REGISTER - GM0002**Department: 2 Integrated Services****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219549	101-0201-502.21-65	ARCHIVE SOCIAL	ARCHIVAL SERVICE	\$4,776.00	\$4,776.00
219571	101-0201-502.22-15	CANON SOLUTIONS AMERICA	COPIER CHARGES	\$27.28	\$27.28
219615	101-0201-502.22-03	HARRIS TRUST & SAVINGS BANK	INTERNATION	\$745.00	\$745.00
219643	401-0201-572.20-05	MAC STRATEGIES GROUP INC	SERVICE PROFESSIONAL	\$3,000.00	\$3,000.00
219670	101-0201-502.30-05	OFFICE DEPOT	OFFICE SUPPLIES, GENERAL	\$63.63	\$63.63
219691	101-0201-502.22-02	ROTARY CLUB OF ARLINGTON HTS	QUARTERLY DUES Q2	\$275.00	\$275.00
				Division 1 Total	\$8,886.91
				Department 2 Total	\$8,886.91

WARRANT REGISTER - GM0002**Department: 3 Human Resources****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219571	101-0301-503.22-15	CANON SOLUTIONS AMERICA	SERIAL #XVJ04617 INVOICE	\$78.05	\$78.05
219598	101-0301-503.22-05	FEDERAL EXPRESS	SHIPPING/DELIVERY SERVICE	\$31.31	\$31.31
219609	605-0301-552.20-05	GOVHR USA LLC	SERVICE PROFESSIONAL	\$8,134.00	\$8,134.00
219615	101-0301-503.20-75	HARRIS TRUST & SAVINGS BANK	MOTION FORWARD INC.	\$229.38	\$229.38
	101-0301-503.22-03	HARRIS TRUST & SAVINGS BANK	BUSINESS WATCH NETWORK	\$239.00	\$239.00
	101-0301-503.30-01	HARRIS TRUST & SAVINGS BANK	BUS MGMT DAILY LEADERS	\$159.00	\$159.00
	101-0301-503.40-70	HARRIS TRUST & SAVINGS BANK	DICKS CLOTHING&SPORTI	\$100.00	\$700.00
			COOPERS HAWK GATHER	\$600.00	
	605-0301-552.33-05	HARRIS TRUST & SAVINGS BANK	123RF LLC	\$9.00	\$9.00
	615-0301-552.20-50	HARRIS TRUST & SAVINGS BANK	JIMMY JOHNS - 748 - MO	\$63.68	\$129.68
			JIMMY JOHNS - 748 - MO	\$66.00	
219624	615-0301-552.20-70	IL WORKERS COMPENSATION COMMISSION	RATE ADJUSTMENT	\$2,065.96	\$2,065.96
219626	615-0301-552.42-81	INTERGOVERNMENTAL RISK MGMT AGENCY	CLAIMS - W/C	\$22,441.11	\$25,516.86
			W/C - CLOSED JULY	\$3,075.75	
219665	605-0301-552.20-50	NORTHWEST COMMUNITY HOSPITAL	SERVICE HEALTH TESTING	\$5,490.00	\$15,177.00
			SERVICE HEALTH TESTING	\$6,334.00	
			SERVICE HEALTH TESTING	\$3,281.00	
			SERVICE HEALTH TESTING	\$72.00	
901486	605-0301-552.20-65	DEARBORN NATIONAL LIFE INS CO	VILLAGE BASIC LIFE	\$3,171.40	\$6,948.77
			VILLAGE SUPPL LIFE	\$3,473.40	
			DIRECTORS BASIC LIFE	\$303.97	
	605-0301-552.20-66	DEARBORN NATIONAL LIFE INS CO	LIBRARY BASIC LIFE	\$777.15	\$863.95
			LIBRARY SUPPL LIFE	\$86.80	

WARRANT REGISTER - GM0002

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
				Division 1 Total	\$60,281.96
				Department 3 Total	\$60,281.96

WARRANT REGISTER - GM0002**Department: 4 Legal Department****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219581	101-0401-503.20-20	CLARK BAIRD SMITH LLP	SERVICE PROFESSIONAL	\$19,501.25	\$19,501.25
219586	101-0401-503.21-65	COOK COUNTY RECORDER OF DEEDS	RECORDINGS	\$329.00	\$329.00
219598	101-0401-503.22-05	FEDERAL EXPRESS	SHIPPING/DELIVERY SERVICE	\$180.24	\$252.75
			SHIPPING/DELIVERY SERVICE	\$72.51	
219637	101-0401-503.21-65	KOZIOL COURT REPORTING SERVICES	REPORTING SERVICE	\$950.00	\$950.00
219690	101-0401-503.21-65	ROSE MARY JURINEK	COURT REPORTER	\$982.50	\$982.50
219726	101-0401-503.33-05	THOMSON REUTERS-WEST	INFORMATION CHARGES	\$304.02	\$304.02
Division 1 Total					\$22,319.52
Department 4 Total					\$22,319.52

WARRANT REGISTER - GM0002**Department: 5 Finance****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219548	101-0501-503.21-65	ANDRES MEDICAL BILLING LTD	SERVICE FINANCIAL	\$6,746.22	\$6,746.22
219615	101-0501-503.22-03	HARRIS TRUST & SAVINGS BANK	IL MUNICIPAL LEAGUE	\$165.00	\$515.00
			ILLINOIS GOVERNMENT FI	\$350.00	
219626	611-0501-552.42-61	INTERGOVERNMENTAL RISK MGMT AGENCY	CLAIMS - AUTO	\$300.00	\$14,109.25
			CLAIMS - GENERAL LIAB	\$13,809.25	
219630	611-0501-552.20-70	JLT RE NORTH AMERICA INC	NOTARY BOND RENEWAL	\$20.00	\$40.00
			NOTARY BOND RENEWAL	\$20.00	
219670	101-0501-503.30-05	OFFICE DEPOT	OFFICE SUPPLIES, GENERAL	\$92.20	\$608.31
			OFFICE SUPPLIES, GENERAL	\$428.30	
			OFFICE SUPPLIES, GENERAL	\$87.81	
219671	101-0501-503.22-01	PADDOCK PUBLICATIONS INC	ADVERTISING	\$175.50	\$175.50
219702	505-0501-503.21-65	SEBIS DIRECT INC	SERVICE PRINTING	\$198.80	\$198.80
	505-0501-503.22-10	SEBIS DIRECT INC	SERVICE PRINTING PREP	\$1,625.88	\$1,625.88
219711	101-0501-503.22-10	SPIRAL BINDING COMPANY INC	PRINTING SERVICES	\$169.40	\$169.40
219717	101-0501-503.22-10	SUMMIT PRINT SOLUTIONS	BUDGET PRINTING PREP	\$625.00	\$1,801.00
			BUDGET TABS	\$1,176.00	
219719	101-0501-503.21-02	SUPERION LLC	ANNUAL MAINTENANCE	\$573.30	\$573.30
Division 1 Total					\$26,562.66
Department 5 Total					\$26,562.66

WARRANT REGISTER - GM0002**Department: 6 Information Technology****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219575	625-0601-572.50-10	CDS OFFICE TECHNOLOGIES	COMPUTERS,DP & WORD PROC.	\$5,705.00	\$5,705.00
219584	625-0601-553.21-65	COMCAST PROCESSING CENTER	ACCT 907065060	\$4,742.21	\$4,742.21
219615	625-0601-553.22-03	HARRIS TRUST & SAVINGS BANK	LYNDA.COM, INC.	\$239.88	\$479.76
			LYNDA.COM, INC.	\$239.88	
	625-0601-553.30-05	HARRIS TRUST & SAVINGS BANK	AMAZON.COM MO8X64L72	\$7.70	\$269.19
			AMZN MKTP US MA7FH0W22	\$9.99	
			NETC LLC	\$251.50	
	625-0601-572.50-10	HARRIS TRUST & SAVINGS BANK	AMZN MKTP US MA45X3Mf0	\$34.99	\$134.89
			AMZN MKTP US MA4P35EE2	\$99.90	
219625	625-0601-553.33-05	INSIGHT PUBLIC SECTOR	COMPUTERS,DP & WORD PROC.	\$5,250.00	\$10,481.16
			COMPUTERS,DP & WORD PROC.	\$5,231.16	
	625-0601-572.50-10	INSIGHT PUBLIC SECTOR	COMPUTERS,DP & WORD PROC.	\$14,184.31	\$14,184.31
219710	625-0601-572.50-10	SOUTHERN COMPUTER WAREHOUSE	PRINTER REPLACEMENT	\$277.74	\$1,595.79
			COMPUTERS,DP&WORD PROC.	\$762.25	
			POLICE LOCKUP	\$555.80	
219719	625-0601-553.20-39	SUPERION LLC	COMPUTERS,DP & WORD PROC.	\$16,328.91	\$16,328.91
219743	625-0601-553.21-65	WOW BUSINESS	ACCT 014753641	\$111.97	\$111.97
219744	625-0601-553.21-65	WOW BUSINESS	ACCT 014748718	\$111.97	\$111.97
219747	625-0601-553.33-05	ZONES INC	COMPUTERS,DP & WORD PROC.	\$11,351.89	\$11,351.89
Division 1 Total					\$65,497.05
Department 6 Total					\$65,497.05

WARRANT REGISTER - GM0002**Department: 10 Boards & Commissions****Division: 13**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219615	101-1013-502.33-05	HARRIS TRUST & SAVINGS BANK	BAUDVILLE INC.	\$109.45	\$109.45
Division 13 Total					\$109.45

Division: 18

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219555	515-1018-525.40-55	ARLINGTON RENTAL INC	RENTALS FOR MANE EVENT	\$3,436.58	\$3,436.58
219557	515-1018-525.40-55	ARMANDS	MANE EVENT VOLUNTEER FOOD	\$40.00	\$40.00
219563	515-1018-525.40-55	BANGKOK CAFE	MANE EVENT VOLUNTEER FOOD	\$80.00	\$80.00
219615	515-1018-525.40-55	HARRIS TRUST & SAVINGS BANK	WINDY CITY NOVELTIES	\$2,132.30	\$2,132.30
219635	515-1018-525.40-55	KILWINS	MANE EVENT VOLUNTEER FOOD	\$40.00	\$40.00
219672	515-1018-525.40-55	PASSERO	MANE EVENT VOLUNTEER FOOD	\$148.00	\$148.00
219718	515-1018-525.40-55	SUNSHINE FARM II	PETTING ZOO/HORSE TROLLEY	\$2,750.00	\$2,750.00
Division 18 Total					\$8,626.88

Division: 22

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219588	101-1022-502.33-05	CROWN TROPHY	ARTS COMM	\$13.00	\$13.00
Division 22 Total					\$13.00
Department 10 Total					\$8,749.33

WARRANT REGISTER - GM0002**Department: 20 Special Events****Division: 5**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219615	515-2005-525.50-55	HARRIS TRUST & SAVINGS BANK	TARGET.COM	\$373.88	\$6,327.38
			DMI DELL HLTHCR/PTR	\$5,953.50	
Division 5 Total					\$6,327.38
Department 20 Total					\$6,327.38

WARRANT REGISTER - GM0002**Department: 30 Police Department****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219570	101-3001-511.21-65	CAMIC JOHNSON LTD	SERVICE PROFESSIONAL	\$350.00	\$350.00
219582	101-3001-511.21-65	COMCAST	SERVICE MISCELLANEOUS	\$98.83	\$98.83
219587	101-3001-511.22-02	CRIME ANALYSTS OF IL ASSOC NFP	DUES	\$35.00	\$35.00
219611	101-3001-511.33-25	GRAINGER W W INC	POLICE EQUIPMENT & SUPPLY	\$134.70	\$134.70
219615	101-3001-511.22-03	HARRIS TRUST & SAVINGS BANK	SG SG ASSOCIATION OF	\$120.00	\$120.00
	101-3001-511.30-35	HARRIS TRUST & SAVINGS BANK	HAIX	\$190.95	\$190.95
	101-3001-511.33-25	HARRIS TRUST & SAVINGS BANK	ACTION TARGETS	\$2,121.75	\$3,068.57
			AMZN MKTP US MA7WZ0fG0	\$159.99	
			SG SG CONDOR ELITE	\$654.94	
			AMZN MKTP US MA92I8201	\$11.99	
			AMZN MKTP US MA9Y43YC1	\$119.90	
219629	101-3001-511.30-35	JG UNIFORMS	CLOTHING & APPAREL	\$39.00	\$4,387.25
			CLOTHING & APPAREL	\$358.25	
			CLOTHING & APPAREL	\$31.80	
			CLOTHING & APPAREL	\$180.00	
			CLOTHING & APPAREL	\$101.70	
			CLOTHING & APPAREL	\$39.00	
			CLOTHING & APPAREL	\$39.00	
			CLOTHING & APPAREL	\$38.00	
			CLOTHING & APPAREL	\$134.95	
			CLOTHING & APPAREL	\$558.75	
			CLOTHING & APPAREL	\$164.50	
			CLOTHING & APPAREL	\$187.95	

WARRANT REGISTER - GM0002

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219629	101-3001-511.30-35	JG UNIFORMS	CLOTHING & APPAREL	\$187.95	\$4,387.25
			CLOTHING & APPAREL	\$31.50	
			CLOTHING & APPAREL	\$327.90	
			CLOTHING & APPAREL	\$1,155.00	
			CLOTHING & APPAREL	\$338.55	
			CLOTHING & APPAREL	\$109.50	
			CLOTHING & APPAREL	\$35.95	
			CLOTHING & APPAREL	\$163.00	
			CLOTHING & APPAREL	\$165.00	
	101-3001-511.33-25	JG UNIFORMS	CLOTHING & APPAREL	\$805.00	\$805.00
219634	101-3001-511.30-35	KESLER RAY	CLOTHING REIMBURSEMENT	\$32.58	\$32.58
219644	101-3001-511.22-02	MAJOR CASE ASSISTANCE TEAM	DUES	\$3,000.00	\$3,000.00
219658	101-3001-511.22-03	NE MULTI REGIONAL TRAINING INC	REGISTRATION	\$350.00	\$475.00
			REGISTRATION	\$125.00	
219662	101-3001-511.21-65	NORTHERN IL FUNERAL SERVICES INC	SERVICE PROFESSIONAL	\$425.00	\$425.00
219663	101-3001-511.20-37	NORTHWEST CENTRAL DISPATCH SYS	MEMBER ASSESSMENT	\$75,276.73	\$75,276.73
219668	101-3001-511.22-03	NORTHWESTERN UNIVERSITY	REGISTRATION	\$3,000.00	\$3,000.00
219670	101-3001-511.30-05	OFFICE DEPOT	OFFICE SUPPLIES, GENERAL	\$209.22	\$244.50
			OFFICE SUPPLIES, GENERAL	\$35.28	
219675	101-3001-511.22-02	PETTY CASH/POLICE	NOTARY FILING FEE	\$10.00	\$20.00
			NOTARY FILING FEE	\$10.00	
	101-3001-511.33-25	PETTY CASH/POLICE	MEETING SUPPLIES	\$48.38	\$73.09
			SUPPLIES - NATL NIGHT OUT	\$24.71	
219681	101-3001-511.30-35	RAY O'HERRON	CLOTHING & APPAREL	\$1,013.85	\$1,013.85
219691	101-3001-511.22-02	ROTARY CLUB OF ARLINGTON HTS	DUES	\$275.00	\$275.00

WARRANT REGISTER - GM0002

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219694	101-3001-511.30-05	SAMS CLUB/SYNCHRONY BANK	OFFICE SUPPLIES, GENERAL	\$989.41	\$989.41
219695	101-3001-511.33-25	SAMS CLUB/SYNCHRONY BANK	POLICE EQUIPMENT & SUPPLY	\$45.04	\$45.04
219698	101-3001-511.30-35	SCHROEDER ROBERT	REIMBURSEMENT	\$88.68	\$88.68
219703	101-3001-511.21-02	SECOND CHANCE CARDIAC SOLUTIONS	SERVICE EQUIPMENT	\$219.69	\$219.69
219717	101-3001-511.22-10	SUMMIT PRINT SOLUTIONS	SERVICE PRINTING	\$200.00	\$250.00
			SERVICE PRINTING	\$50.00	
219726	101-3001-511.21-65	THOMSON REUTERS-WEST	SERVICE PROFESSIONAL	\$494.40	\$494.40
219733	101-3001-511.21-02	ULTRA STROBE COMMUNICATIONS INC	SERVICE EQUIPMENT	\$80.00	\$80.00
	401-3001-572.50-15	ULTRA STROBE COMMUNICATIONS INC	VEH MAINTENANCE SUPPLY	\$207.90	\$207.90
Division 1 Total					\$95,401.17

Division: 3

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219615	231-3003-511.40-11	HARRIS TRUST & SAVINGS BANK	AMAZON.COM MA20C3X02 A	\$35.18	\$213.68
			PARTY CITY 196	\$178.50	
219700	231-3003-511.40-01	SCIENTIFIC ANIMAL FEEDS AND NEEDS	CANINE UNIT PROGRAM	\$75.77	\$86.76
			CANINE UNIT PROGRAM	\$10.99	
219722	231-3003-511.40-11	TECHNOLOGY MANAGEMENT REV FUND	SERVICE PROFESSIONAL	\$132.81	\$132.81
Division 3 Total					\$433.25
Department 30 Total					\$95,834.42

WARRANT REGISTER - GM0002**Department: 35 Fire****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219536	101-3501-512.31-85	AIR ONE EQUIPMENT	FIRE PROTECTION EQUIP/SUP	\$6,880.00	\$6,880.00
219576	101-3501-512.21-02	CHICAGO COMMUNICATIONS LLC	MOUNTING INSTALLED	\$140.00	\$140.00
219592	101-3501-512.22-03	DJS SCUBA LOCKER INC	DIVE CLASSES	\$1,600.00	\$1,600.00
	101-3501-512.31-65	DJS SCUBA LOCKER INC	DIVE SUPPLIES	\$119.88	\$119.88
219600	101-3501-512.30-35	FIRESERVICE MANAGEMENT	TURNOUT GEAR REPAIR	\$344.90	\$344.90
219601	101-3501-512.30-35	FIVE STAR SAFETY EQUIPMENT INC	SAFETY GLASSES	\$768.00	\$840.00
			SAFETY GLASSES	\$72.00	
219615	101-3501-512.21-65	HARRIS TRUST & SAVINGS BANK	BLUE JEANS NETWORK	\$800.04	\$800.04
	101-3501-512.22-02	HARRIS TRUST & SAVINGS BANK	IL DPT PUB HEALTH EMS	\$21.00	\$21.00
	101-3501-512.22-03	HARRIS TRUST & SAVINGS BANK	HOLIDAY INN ST PAUL DO	\$519.27	\$2,446.08
			HOLIDAY INN ST PAUL DO	\$567.81	
			PAYPAL METROFIRECH	\$105.00	
			PEN FDIC/FIRE ENGINEER	\$627.00	
			PEN FDIC/FIRE ENGINEER	\$627.00	
	101-3501-512.30-05	HARRIS TRUST & SAVINGS BANK	AMZN MKTP US MA8031XR2	\$199.98	\$199.98
	101-3501-512.31-65	HARRIS TRUST & SAVINGS BANK	AMZN MKTP US MA8D92JF1	\$134.97	\$225.17
			CABINETPARTS COM	\$90.20	
	101-3501-512.33-05	HARRIS TRUST & SAVINGS BANK	AMZN MKTP US MA2XY5Y11	\$45.95	\$45.95
	101-3501-512.33-50	HARRIS TRUST & SAVINGS BANK	AMZN MKTP US	(\$143.13)	(\$143.13)
219629	101-3501-512.30-35	JG UNIFORMS	CLOTHING & APPAREL	\$70.00	\$499.85
			CLOTHING & APPAREL	\$409.90	
			CLOTHING & APPAREL	\$19.95	
219663	101-3501-512.20-37	NORTHWEST CENTRAL DISPATCH SYS	MEMBER ASSESSMENT	\$25,092.24	\$25,092.24

WARRANT REGISTER - GM0002

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219663	101-3501-512.31-65	NORTHWEST CENTRAL DISPATCH SYS	RADIO & TELECOMMUNICATION	\$433.22	\$433.22
219664	101-3501-512.22-03	NORTHWEST COMMUNITY	IMAGETREND CONFERENCE	\$80.68	\$80.68
219669	101-3501-512.31-60	O'REILLY AUTO PARTS	HARDWARE SUPPLIES	\$21.99	\$26.48
			HARDWARE SUPPLIES	\$4.49	
219734	101-3501-512.21-02	UNDERWRITER LABORATORIES	LADDER TESTING	\$2,356.20	\$2,356.20
219737	101-3501-512.30-35	VISION MARKETING	OFFICE SUPPLIES, GENERAL	\$35.30	\$35.30
219745	101-3501-512.31-45	ZEP MANUFACTURING CO	JANITORIAL SUPPLIES	\$392.25	\$392.25
Division 1 Total					\$42,436.09
Department 35 Total					\$42,436.09

WARRANT REGISTER - GM0002**Department: 37 Foreign Fire Insurance****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219654	227-3701-512.22-03	MARTIN MORAN	TUITION REIMBURSEMENT	\$550.00	\$550.00
219706	227-3701-512.22-03	ADAM SIELIG	TUITION REIMBURSEMENT	\$483.00	\$483.00
				Division 1 Total	\$1,033.00
				Department 37 Total	\$1,033.00

WARRANT REGISTER - GM0002**Department: 40 Planning****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219590	101-4001-521.40-41	DAILY HERALD	ADVERTISING	\$4,341.51	\$4,341.51
219614	401-4001-571.50-30	HAMPTON LENZINI & RENWICK INC	SERVICE PROFESSIONAL	\$2,250.00	\$2,250.00
219671	101-4001-521.22-01	PADDOCK PUBLICATIONS INC	ADVERTISING	\$467.10	\$467.10
	101-4001-521.40-41	PADDOCK PUBLICATIONS INC	ADVERTISING	\$100.00	\$975.00
			ADVERTISING	\$175.00	
			ADVERTISING	\$700.00	
219674	101-4001-521.40-40	PETTY CASH	ECONOMICAL ALLIANCE	\$50.00	\$50.00
219708	101-4001-521.40-43	SK ENTERTAINMENT GROUP INC	ZERO INTEREST LOAN	\$8,272.00	\$8,272.00
Division 1 Total					\$16,355.61
Department 40 Total					\$16,355.61

WARRANT REGISTER - GM0002**Department: 45 Building****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219532	101-4501-523.30-05	A & E RUBBER STAMP CORP	PERMIT STAMPS	\$66.50	\$66.50
219612	101-4501-523.20-35	GRIVAS KRAUSE ASSOCIATES LTD	ENGINEERING REVIEW	\$125.00	\$2,000.00
			ENGINEERING REVIEW	\$1,250.00	
			ENGINEERING REVIEW	\$625.00	
219615	101-4501-523.22-03	HARRIS TRUST & SAVINGS BANK	BUILDING AND FIRE CODE	\$195.00	\$195.00
219625	101-4501-523.30-05	INSIGHT PUBLIC SECTOR	ELECTRONIC COMPONENTS	\$5,177.09	\$5,177.09
219674	101-4501-523.30-05	PETTY CASH	OFFICE SUPPLIES	\$4.99	\$4.99
219725	101-4501-523.21-65	THOMPSON ELEVATOR INSPECTION	SERVICE BLDG MAINT	\$76.00	\$572.00
			SERVICE BLDG MAINT	\$38.00	
			SERVICE BLDG MAINT	\$420.00	
			SERVICE BLDG MAINT	\$38.00	
Division 1 Total					\$8,015.58
Department 45 Total					\$8,015.58

WARRANT REGISTER - GM0002**Department: 70 Health****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219539	101-7001-541.20-25	ALEXIAN BROS CENTER MENTAL HEALTH	COUNSELING	\$20.00	\$20.00
219551	101-7001-541.20-25	ARLINGTON CENTER	COUNSELING	\$494.00	\$494.00
219552	101-7001-541.20-25	ARLINGTON CENTER FOR RECOVERY	COUNSELING	\$690.00	\$690.00
219556	101-7001-541.40-61	ARLINGTON SIGNS & BANNERS	SIGNS	\$1,425.00	\$1,425.00
219602	101-7001-541.21-10	FLECKS LANDSCAPING	PROPERTY MAINTENANCE	\$70.00	\$1,105.00
			PROPERTY MAINTENANCE	\$85.00	
			PROPERTY MAINTENANCE	\$85.00	
			PROPERTY MAINTENANCE	\$105.00	
			PROPERTY MAINTENANCE	\$85.00	
			PROPERTY MAINTENANCE	\$85.00	
			PROPERTY MAINTENANCE	\$70.00	
			PROPERTY MAINTENANCE	\$85.00	
			PROPERTY MAINTENANCE	\$85.00	
			PROPERTY MAINTENANCE	\$350.00	
219615	101-7001-541.30-05	HARRIS TRUST & SAVINGS BANK	WALGREENS #9246	\$10.99	\$10.99
	101-7001-541.33-05	HARRIS TRUST & SAVINGS BANK	TUNDRA RESTAURANT SUPP	\$77.69	\$77.69
	101-7001-541.33-10	HARRIS TRUST & SAVINGS BANK	SANOFI PASTEUR INC	\$78.96	\$78.96
	101-7001-541.40-53	HARRIS TRUST & SAVINGS BANK	NICOR GAS BILL	\$209.98	\$209.98
219620	101-7001-541.21-65	HENRICKSEN & COMPANY INC	HEALTH OFFICE INSTALL	\$897.20	\$897.20
219633	101-7001-541.20-25	KATOR LCSW, ANNE	COUNSELING	\$150.00	\$450.00
			COUNSELING	\$300.00	
219670	101-7001-541.30-05	OFFICE DEPOT	OFFICE SUPPLIES	\$70.10	\$70.10
219674	101-7001-541.22-03	PETTY CASH	HEALTH INSPECTION	\$20.88	\$20.88

WARRANT REGISTER - GM0002

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
				Division 1 Total	\$5,549.80

Division: 7

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219546	101-7007-541.22-40	AMERICAN TAXI DISPATCH	TAXI SERVICE	\$57.00	\$57.00
219615	101-7007-541.21-65	HARRIS TRUST & SAVINGS BANK	VOLGISTICS INC	\$61.00	\$61.00
	101-7007-541.30-05	HARRIS TRUST & SAVINGS BANK	AMZN MKTP US MA3FC6SR1	\$108.95	\$108.95
	101-7007-541.31-65	HARRIS TRUST & SAVINGS BANK	AMAZON.COM MA0CD0DU1	\$150.08	\$1,379.37
			AMAZON.COM MA2GI54V0	\$84.02	
			AMAZON.COM MA91F0SU1	\$77.14	
			FOX VALLEY FARMS	\$240.30	
			GFS STORE #1913	\$52.94	
			GFS STORE #1913	\$185.66	
			SAMSClub.COM	\$198.16	
			TOSCANA RESTAURANT	\$66.45	
			WAL-MART #2815	\$69.42	
			SAMS CLUB #6464	\$255.20	
219670	101-7007-541.30-05	OFFICE DEPOT	OFFICE SUPPLIES, GENERAL	\$97.74	\$97.74
				Division 7 Total	\$1,704.06
				Department 70 Total	\$7,253.86

WARRANT REGISTER - GM0002**Department: 71 Public Works****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219533	101-7101-531.31-75	ADDISON BUILDING MATERIAL CO	STREET LIGHT SUPPLY	\$121.99	\$121.99
219535	101-7101-531.21-02	AFFILIATED CUSTOMER SERVICE INC	SERVICE BLDG MAINT	\$2,100.00	\$2,100.00
219540	101-7101-531.21-11	ALL WINDOW CLEANING SERV INC	WINDOW CLEANING SERVICE	\$790.00	\$7,545.00
			WINDOW CLEANING SERVICE	\$65.00	
			WINDOW CLEANING SERVICE	\$220.00	
			WINDOW CLEANING SERVICE	\$1,820.00	
			WINDOW CLEANING SERVICE	\$2,500.00	
			WINDOW CLEANING SERVICE	\$2,150.00	
219545	101-7101-531.21-11	AMERICAN DOOR & DOCK	SERVICE BLDG MAINT	\$798.34	\$1,105.06
			SERVICE BLDG MAINT	\$306.72	
219554	101-7101-531.31-85	ARLINGTON POWER EQUIPMENT	FORESTRY SUPPLIES	\$44.95	\$184.15
			FORESTRY SUPPLIES	\$139.20	
	401-7101-572.50-15	ARLINGTON POWER EQUIPMENT	FORESTRY SUPPLIES	\$1,052.61	\$1,052.61
219555	515-7101-525.33-05	ARLINGTON RENTAL INC	RENTAL/LEASE EQUIP	\$1,718.29	\$5,386.58
			RENTAL/LEASE EQUIP	\$1,718.29	
			RENTAL/LEASE EQUIP	\$975.00	
			RENTAL/LEASE EQUIP	\$975.00	
219559	211-7101-571.50-40	ARROW ROAD CONSTRUCTION CO	SERVICE CONSTRUCTION	\$422,290.54	\$422,290.54
	401-7101-571.50-30	ARROW ROAD CONSTRUCTION CO	SERVICE CONSTRUCTION	\$406,205.48	\$406,205.48
219561	101-7101-531.31-65	AUTOMATIC APPLIANCE	HARDWARE SUPPLIES	\$87.10	\$87.10
219564	101-7101-531.31-65	BATTERIES PLUS LLC	HARDWARE SUPPLIES	\$157.90	\$157.90
219567	401-7101-571.50-30	MICHAEL BURKE	RESIDENT REIMBURSEMENT	\$105.00	\$105.00
219568	426-7101-571.50-25	BURNS MCDONNELL	SERVICE CONSULTING	\$162,689.37	\$162,689.37

WARRANT REGISTER - GM0002

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219579	426-7101-571.50-25	CHRISTOPHER B BURKE LTD	SERVICE CONSULTING	\$30,317.43	\$30,317.43
219583	101-7101-531.22-70	COMCAST CABLE	TELECOMMUNICATIONS	\$29.42	\$29.42
219585	401-7101-571.50-30	CONSTRUCTION & GEOTECHNICAL	SERVICE CONSULTING	\$10,888.25	\$18,857.45
			SERVICE CONSULTING	\$1,260.00	
			SERVICE CONSULTING	\$6,709.20	
219591	101-7101-531.31-90	DETROIT SALT CO. LLC	STREET/SIDEWALK SUPPLIES	\$33,241.63	\$65,706.59
			STREET/SIDEWALK SUPPLIES	\$32,464.96	
219595	401-7101-571.50-30	ECOLOGY AND VISION LLC	SERVICE CONSULTING	\$467.50	\$467.50
219605	101-7101-531.30-39	GAS DEPOT INC	FUEL,OIL,GREASE, & LUBES	\$17,290.40	\$34,703.09
			FUEL,OIL,GREASE, & LUBES	\$17,412.69	
219607	101-7101-531.31-65	GLOBAL EQUIPMENT COMPANY	HARDWARE SUPPLIES	\$2,647.50	\$2,647.50
219608	101-7101-531.22-03	CHESTER GORECKI	TRAVEL & TRAINING	\$1,159.60	\$1,159.60
219610	101-7101-531.20-05	GOVTEMPSUSA LLC	SERVICE ENGINEERING	\$3,181.50	\$3,181.50
219611	101-7101-531.31-55	GRAINGER W W INC	JANITORIAL SUPPLIES	(\$44.37)	\$133.11
			JANITORIAL SUPPLIES	\$177.48	
219613	401-7101-571.50-30	HAEGER ENGINEERING LLC	SERVICE CONSULTING	\$900.00	\$900.00
219614	101-7101-531.20-05	HAMPTON LENZINI & RENWICK INC	SERVICE CONSULTING	\$7,621.53	\$41,704.54
			SERVICE CONSULTING	\$34,083.01	
	401-7101-571.50-30	HAMPTON LENZINI & RENWICK INC	SERVICE CONSULTING	\$15,719.49	\$15,719.49
219615	101-7101-531.21-65	HARRIS TRUST & SAVINGS BANK	ADOBE CREATIVE CLOUD	\$599.88	\$599.88
	101-7101-531.22-03	HARRIS TRUST & SAVINGS BANK	ILCA	\$230.00	\$380.00
			UWEX REGISTRATION	\$150.00	
219616	101-7101-531.21-02	HASTINGS AIR ENERGY CONTROL	SERVICE BLDG MAINT	\$858.15	\$858.15
219617	101-7101-531.21-02	HAYES MECHANICAL	HVAC MAINTENANCE	\$1,975.53	\$9,873.81
			HVAC MAINTENANCE	\$342.50	

WARRANT REGISTER - GM0002

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219617	101-7101-531.21-02	HAYES MECHANICAL	HVAC MAINTENANCE	\$1,895.00	\$9,873.81
			HVAC MAINTENANCE	\$800.00	
			HVAC MAINTENANCE	\$928.69	
			HVAC MAINTENANCE	\$1,594.30	
			HVAC MAINTENANCE	\$1,937.79	
			HVAC MAINTENANCE	\$400.00	
219619	101-7101-531.31-90	HELLER LUMBER CO	STREETS SUPPLY	\$45.41	\$45.41
219621	101-7101-531.30-35	MICHAEL HODGE	SAFETY SHOE REIMBURSEMENT	\$185.00	\$185.00
219622	101-7101-531.31-45	HP PRODUCTS CORP	JANITORIAL SUPPLIES	\$673.61	\$740.56
			HARDWARE SUPPLIES	\$66.95	
219625	101-7101-531.22-70	INSIGHT PUBLIC SECTOR	COMPUTERS,DP&WORD PROC.	\$100.90	\$100.90
219627	101-7101-531.21-11	INTL EXTERMINATORS INC	PEST CONTROL	\$88.00	\$1,053.00
			PEST CONTROL	\$432.00	
			PEST CONTROL	\$60.00	
			PEST CONTROL	\$60.00	
			PEST CONTROL	\$88.00	
			PEST CONTROL	\$187.00	
			PEST CONTROL	\$138.00	
219628	101-7101-531.31-45	JC LICHT	HARDWARE SUPPLIES	\$56.85	\$56.85
219631	101-7101-531.21-02	JOHNSON CONTROLS	SERVICE BLDG MAINT	\$1,788.36	\$1,788.36
219632	101-7101-531.22-03	NANCI JULIUS	PWSA CERTIFICATE	\$371.91	\$371.91
219636	401-7101-571.50-30	PAUL KLOPKE	DRIVEWAY REIMBURSEMENT	\$1,573.43	\$1,573.43
219639	401-7101-571.50-30	SAM LEE	RESIDENT REIMBURSEMENT	\$175.00	\$175.00
219641	101-7101-531.31-40	LOWES COMMERCIAL SERVICES	AGRICULTURAL EQUIP&IMPLEM	(\$47.49)	\$72.98
			AGRICULTURAL EQUIP&IMPLEM	\$120.47	

WARRANT REGISTER - GM0002

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219641	101-7101-531.31-45	LOWES COMMERCIAL SERVICES	JANITORIAL SUPPLIES	\$136.72	\$308.32
			JANITORIAL SUPPLIES	\$161.16	
			JANITORIAL SUPPLIES	\$10.44	
	101-7101-531.31-55	LOWES COMMERCIAL SERVICES	HVAC EQUIPMENT SUPPLIES	\$75.47	\$420.58
			HARDWARE SUPPLIES	\$19.80	
			HARDWARE SUPPLIES	\$85.30	
			HARDWARE SUPPLIES	\$68.00	
			HARDWARE SUPPLIES	\$172.01	
	101-7101-531.31-65	LOWES COMMERCIAL SERVICES	ELECTRICAL EQUIP & SUPPLY	\$569.09	\$569.09
	101-7101-531.31-75	LOWES COMMERCIAL SERVICES	STREET LIGHT SUPPLIES	\$22.76	\$22.76
	101-7101-531.31-80	LOWES COMMERCIAL SERVICES	HARDWARE SUPPLIES	\$177.83	\$177.83
	101-7101-531.31-85	LOWES COMMERCIAL SERVICES	HARDWARE SUPPLIES	\$177.33	\$387.77
HARDWARE SUPPLIES			\$58.44		
APPLIANCES			\$152.00		
219645	426-7101-571.50-25	MANHARD CONSULTING	MS4 ANNUAL REPORT	\$1,237.50	\$1,237.50
219649	101-7101-531.33-05	MCFARLANE DOUGLAS COMPANIES	HARDWARE SUPPLIES	\$2,297.50	\$2,297.50
219650	101-7101-531.20-05	MECO CONSULTING	SERVICE CONSULTING	\$2,000.00	\$2,000.00
219652	101-7101-531.21-02	MID AMERICAN ELEVATOR CO INC	SERVICE BLDG MAINT	\$1,497.75	\$1,497.75
219653	101-7101-531.21-55	MILIEU DESIGN LLC	SERVICE MISCELLANEOUS	\$2,152.66	\$4,322.71
			SERVICE MISCELLANEOUS	\$2,170.05	
219656	101-7101-531.31-85	NAPA HEIGHTS AUTOMOTIVE	HARDWARE SUPPLIES	\$299.99	\$299.99
219660	101-7101-531.21-50	NICOR	ACCT 01701843946	\$256.23	\$256.23
219661	101-7101-531.21-50	NICOR	ACCT 71251169620	\$590.26	\$590.26
219666	101-7101-531.31-55	NORTHWEST ELECTRICAL SUPPLY CO	ELECTRICAL SUPPLY	\$90.37	\$90.37
219670	101-7101-531.30-05	OFFICE DEPOT	OFFICE SUPPLIES, GENERAL	\$10.38	\$379.98

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Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219670	101-7101-531.30-05	OFFICE DEPOT	OFFICE SUPPLIES, GENERAL	\$329.61	\$379.98
			OFFICE SUPPLIES, GENERAL	\$39.99	
219673	401-7101-571.50-30	JOY PERALTA	SIDEWALK REIMBURSEMENT	\$173.75	\$173.75
219674	101-7101-531.31-65	PETTY CASH	EVENT SUPPLIES	\$9.56	\$63.12
			EVENT SUPPLIES	\$9.69	
			EVENT SUPPLIES	\$18.58	
			EVENT SUPPLIES	\$25.29	
219676	101-7101-531.21-15	POTHOLE PROS INC	SERVICE CONSTRUCTION	\$1,696.00	\$1,696.00
219677	101-7101-531.22-70	PRECISE MRM LLC	MONTHLY DATA PLAN	\$379.84	\$379.84
219678	401-7101-571.50-20	PRIME INDUSTRIAL CONTRACTORS INC	SERVICE BLDG CONSTRUCT	\$912.00	\$912.00
219679	101-7101-531.30-35	PRO STAR	CLOTHING & APPAREL	\$279.82	\$279.82
219682	101-7101-531.30-35	RED WING BUSINESS ADVANTAGE ACCT	CLOTHING & APPAREL	\$179.95	\$2,609.54
			CLOTHING & APPAREL	\$175.95	
			CLOTHING & APPAREL	\$179.99	
			CLOTHING & APPAREL	\$179.95	
			CLOTHING & APPAREL	\$178.49	
			CLOTHING & APPAREL	\$95.97	
			CLOTHING & APPAREL	\$159.95	
			CLOTHING & APPAREL	\$178.49	
			CLOTHING & APPAREL	\$167.95	
			CLOTHING & APPAREL	\$198.99	
			CLOTHING & APPAREL	\$307.94	
			CLOTHING & APPAREL	\$139.49	
			CLOTHING & APPAREL	\$287.94	
			CLOTHING & APPAREL	\$178.49	

WARRANT REGISTER - GM0002

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219687	426-7101-571.50-25	RJN GROUP INC	SERVICE PROFESSIONAL	\$1,775.00	\$3,997.50
			SERVICE PROFESSIONAL	\$2,222.50	
219696	101-7101-531.21-55	SANDY'S LAWN AND TREE CARE	LANDSCAPING	\$2,000.00	\$2,000.00
219697	101-7101-531.21-15	SCHROEDER AND SCHROEDER	SERVICE CONSTRUCTION	\$69,339.80	\$69,339.80
219704	515-7101-525.33-05	SERVICE SANITATION	SERVICE MISCELLANEOUS	\$2,775.00	\$5,550.00
			SERVICE MISCELLANEOUS	\$2,775.00	
219705	101-7101-531.31-40	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$11.35	\$11.35
	101-7101-531.31-55	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$42.23	\$360.86
			HARDWARE SUPPLIES	\$33.05	
			HARDWARE SUPPLIES	\$3.98	
			HARDWARE SUPPLIES	\$36.50	
			HARDWARE SUPPLIES	\$18.57	
			HARDWARE SUPPLIES	\$45.97	
			HARDWARE SUPPLIES	\$6.80	
			HARDWARE SUPPLIES	\$7.59	
			HARDWARE SUPPLIES	\$13.18	
			HARDWARE SUPPLIES	\$152.99	
	101-7101-531.31-65	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$26.68	\$104.63
			HARDWARE SUPPLIES	\$13.99	
			HARDWARE SUPPLIES	\$63.96	
	101-7101-531.31-75	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$0.92	\$0.92
	101-7101-531.31-80	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$13.99	\$55.56
			HARDWARE SUPPLIES	\$33.98	
			HARDWARE SUPPLIES	\$7.59	
	101-7101-531.31-85	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$14.97	\$54.95

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Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219705	101-7101-531.31-85	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$39.98	\$54.95
	101-7101-531.31-90	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$37.86	\$37.86
219707	101-7101-531.31-40	SITEONE LANDSCAPE SUPPLY LLC	AGRICULTURAL SUPPLIES	\$46.68	\$46.68
219709	101-7101-531.22-70	SOUND INCORPORATED	TELECOMMUNICATIONS	\$72.73	\$72.73
219714	101-7101-531.21-15	WALTER STAWICKI	CURB REIMBURSEMENT	\$519.20	\$519.20
219715	101-7101-531.31-55	STEINER ELECTRIC	ELECTRICAL EQUIP&SUPPLY	\$276.04	\$276.04
219727	101-7101-531.31-80	THREE M	SIGN SHOP SUPPLY	\$666.29	\$1,298.61
			SIGN SHOP SUPPLY	\$632.32	
219728	101-7101-531.30-35	JACK TINSLEY	SAFETY SHOE REIMBURSEMENT	\$154.00	\$154.00
219730	101-7101-531.31-65	TRAFFIC CONTROL & PROTECTION	SIGN SHOP SUPPLY	\$857.50	\$857.50
	101-7101-531.31-80	TRAFFIC CONTROL & PROTECTION	SIGN SHOP SUPPLY	\$3,070.00	\$3,070.00
219736	101-7101-531.22-05	UPS STORE #4073	SHIPPING/DELIVERY SERVICE	\$87.08	\$87.08
219740	101-7101-531.31-65	WALMART COMMUNITY	EVENT SUPPLIES	\$48.70	\$48.70
801874	101-7101-531.22-70	AT & T	ACCT 84725961248940	\$47.45	\$3,177.47
			ACCT 84743978686650	\$94.77	
			ACCT 84757754536603	\$74.85	
			ACCT 84757757951551	\$272.03	
			ACCT 847R1605198974	\$2,688.37	
801875	101-7101-531.21-50	COMMONWEALTH EDISON COMPANY	ACCT 2985063029	\$78.58	\$616.82
			ACCT 3183115007	\$4.94	
			ACCT 4103039009	\$218.89	
			ACCT 5492508009	\$90.19	
			ACCT 8572043011	\$224.22	
Division 1 Total				\$1,355,144.21	
Department 71 Total				\$1,355,144.21	

WARRANT REGISTER - GM0002**Department: 72 Water and Sewer****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219537	505-7201-561.31-60	ALEXANDER CHEMICAL CORP	CYLINDER DEPOSIT	(\$500.00)	\$2,320.50
			CHLORINE GAS	\$1,463.00	
			CHLORINE GAS	\$1,357.50	
219542	505-7201-561.31-65	ALTA EQUIPMENT COMPANY INC	HARDWARE SUPPLIES	\$796.78	\$796.78
219562	505-7201-561.31-02	BACKFLOW APPARATUS AND VALVE CO	BACKFLOW REPAIR KITS	\$1,539.00	\$1,539.00
219569	505-7201-561.21-36	C C CARTAGE INC	RENTAL/LEASE EQUIPMENT	\$17,658.48	\$24,824.24
			RENTAL/LEASE EQUIPMENT	\$7,165.76	
	505-7201-561.21-62	C C CARTAGE INC	SERVICE DISPOSAL	\$4,561.59	\$6,412.67
			SERVICE DISPOSAL	\$1,851.08	
	505-7201-561.31-90	C C CARTAGE INC	STREET/SIDEWALK SUPPLIES	\$21,830.05	\$25,996.31
			STREET/SIDEWALK SUPPLIES	\$4,166.26	
219596	505-7201-561.31-07	EJ USA INC	SEWER STOCK	\$4,297.75	\$4,297.75
219611	505-7201-561.30-35	GRAINGER W W INC	SAFETY & FIRST AID EQUIP.	\$113.42	\$113.42
	505-7201-561.31-55	GRAINGER W W INC	HARDWARE SUPPLIES	\$1,464.71	\$1,464.71
219618	505-7201-561.31-02	HBK WATER METER SERVICE INC	WATER SEWER SYSTEM SUPPLY	\$101.00	\$101.00
	505-7201-561.50-15	HBK WATER METER SERVICE INC	WATER SEWER SYSTEM SUPPLY	\$12,900.00	\$12,900.00
219619	505-7201-561.31-07	HELLER LUMBER CO	WATER SEWER SYSTEM SUPPLY	\$55.81	\$55.81
219640	505-7201-561.21-30	LO VERDE CONSTRUCTION CO INC	SERVICE CONSTRUCTION	\$15,580.00	\$15,580.00
219641	505-7201-561.21-20	LOWES COMMERCIAL SERVICES	ELECTRICAL EQUIP & SUPPLY	\$5.66	\$5.66
	505-7201-561.31-01	LOWES COMMERCIAL SERVICES	WATER SEWER SYSTEM SUPPLY	\$316.28	\$354.65
			HARDWARE SUPPLIES	\$38.37	
	505-7201-561.31-02	LOWES COMMERCIAL SERVICES	HARDWARE SUPPLIES	\$19.45	\$19.45
	505-7201-561.31-85	LOWES COMMERCIAL SERVICES	HARDWARE SUPPLIES	\$62.66	\$118.58

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Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219641	505-7201-561.31-85	LOWES COMMERCIAL SERVICES	HARDWARE SUPPLIES	\$55.92	\$118.58
219650	505-7201-561.20-05	MECO CONSULTING	SERVICE CONSULTING	\$2,000.00	\$2,000.00
219659	505-7201-561.30-35	MICHELLE NEBEL	UNIFORM REIMBURSEMENT	\$81.76	\$81.76
219677	505-7201-561.22-70	PRECISE MRM LLC	MONTHLY DATA PLAN	\$379.85	\$379.85
219679	505-7201-561.30-35	PRO STAR	CLOTHING & APPAREL	\$279.82	\$279.82
219682	505-7201-561.30-35	RED WING BUSINESS ADVANTAGE ACCT	CLOTHING & APPAREL	\$159.95	\$281.44
			CLOTHING & APPAREL	\$121.49	
219693	505-7201-561.31-65	RUSSO'S POWER EQUIPMENT INC	WATER SEWER SYSTEM SUPPLY	\$705.00	\$705.00
	505-7201-561.31-85	RUSSO'S POWER EQUIPMENT INC	WATER SEWER SYSTEM SUPPLY	\$180.00	\$180.00
219697	505-7201-561.21-30	SCHROEDER AND SCHROEDER	SERVICE CONSTRUCTION	\$46,846.20	\$46,846.20
219699	505-7201-561.22-03	BRIGET SCHWAB	TRAVEL & TRAINING	\$50.00	\$50.00
219705	505-7201-561.21-11	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$4.59	\$4.59
	505-7201-561.31-02	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$47.94	\$78.50
			HARDWARE SUPPLIES	\$30.56	
	505-7201-561.31-05	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$4.95	\$4.95
	505-7201-561.31-07	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$14.34	\$14.34
	505-7201-561.31-55	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$19.98	\$19.98
	505-7201-561.31-65	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$9.56	\$9.56
	505-7201-561.31-85	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$16.97	\$16.97
219713	505-7201-561.31-02	STANDARD PIPE & SUPPLY INC	METERS SUPPLY	\$139.73	\$245.49
			METERS SUPPLY	\$45.50	
			METERS SUPPLY	\$60.26	
219721	505-7201-561.21-35	TAYLOR PLUMBING	SERVICE METER	\$13,420.00	\$17,418.59
			SERVICE METER	\$3,630.00	
			SERVICE METER	\$368.59	

WARRANT REGISTER - GM0002

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219724	505-7201-561.31-02	TEST GAUGE INC	METERS SUPPLY	\$2,728.12	\$4,056.35
			METERS SUPPLY	\$89.88	
			METERS SUPPLY	\$1,238.35	
219731	505-7201-561.22-03	VERONICA TREVINO	TRAVEL & TRAINING	\$50.00	\$50.00
219732	505-7201-561.21-30	BOWMEN TUCKER	DRIVEWAY REIMBURSEMENT	\$1,200.00	\$1,200.00
219741	505-7201-561.31-01	WATER PRODUCTS CO	WATER DIST SUPPLY	\$906.74	\$2,041.81
			WATER DIST SUPPLY	\$278.00	
			WATER DIST SUPPLY	\$857.07	
	505-7201-561.31-07	WATER PRODUCTS CO	WATER SEWER SYSTEM SUPPLY	\$686.00	\$686.00
219746	505-7201-561.31-01	ZIEBELL WATER SERVICE PRODUCTS	WATER SEWER SYSTEM SUPPLY	\$8,728.25	\$30,856.75
			WATER SEWER SYSTEM SUPPLY	\$12,325.00	
			WATER SEWER SYSTEM SUPPLY	\$2,258.80	
			WATER SEWER SYSTEM SUPPLY	\$7,544.70	
219748	505-7201-561.31-65	ZORO TOOLS INC	HARDWARE SUPPLIES	\$328.70	\$328.70
801872	505-7201-561.22-70	AMERICAN MESSAGING	ACCT U1109311	\$118.01	\$118.01
801874	505-7201-561.22-70	AT & T	ACCT 84743746842777	\$47.52	\$95.04
			ACCT 84743746858567	\$47.52	
801875	505-7201-561.21-50	COMMONWEALTH EDISON COMPANY	ACCT 0087155164	\$104.72	\$1,687.88
			ACCT 0117046072	\$119.57	
			ACCT 0645171017	\$73.54	
			ACCT 0831076049	\$149.76	
			ACCT 1104021044	\$133.90	
			ACCT 1257044037	\$839.00	
			ACCT 1284169036	\$189.47	
			ACCT 3973144001	\$77.92	

WARRANT REGISTER - GM0002

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
801876	505-7201-561.21-50	CONSTELLATION NEW ENERGY INC	ACCT 9205457	\$10,647.95	\$23,464.12
			ACCT 9205452	\$1,667.47	
			ACCT 9205450	\$1,155.80	
			ACCT 9205459	\$2,632.24	
			ACCT 9205455	\$7,360.66	
801877	505-7201-561.21-50	NICOR	ACCT 05850400002	\$36.51	\$143.87
			ACCT 1679760000	\$107.36	
Division 1 Total					\$230,246.10
Department 72 Total					\$230,246.10

WARRANT REGISTER - GM0002**Department: 73 Parking****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219594	235-7301-532.21-11	ECO CLEAN MAINTENANCE INC	SERVICE BLDG MAINT	\$453.84	\$453.84
				Division 1 Total	\$453.84

Division: 2

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219540	235-7302-532.21-11	ALL WINDOW CLEANING SERV INC	WINDOW CLEANING SERVICE	\$1,160.00	\$1,160.00
219594	235-7302-532.21-11	ECO CLEAN MAINTENANCE INC	SERVICE BLDG MAINT	\$1,437.16	\$1,437.16
801876	235-7302-532.21-50	CONSTELLATION NEW ENERGY INC	ACCT 9205451	\$4,118.22	\$4,118.22
				Division 2 Total	\$6,715.38

Division: 3

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219540	235-7303-532.21-02	ALL WINDOW CLEANING SERV INC	WINDOW CLEANING SERVICE	\$990.00	\$990.00
219594	235-7303-532.21-11	ECO CLEAN MAINTENANCE INC	SERVICE BLDG MAINT	\$1,437.16	\$1,437.16
219705	235-7303-532.31-65	SHERWIN ACE HARDWARE	ELECTRICAL EQUIP & SUPPLY	\$16.58	\$16.58
				Division 3 Total	\$2,443.74

Division: 4

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219550	235-7304-532.21-02	ARCO MECHANICAL EQUIPMENT SALES	SERVICE BLDG MAINT	\$3,150.00	\$3,150.00
219594	235-7304-532.21-11	ECO CLEAN MAINTENANCE INC	SERVICE BLDG MAINT	\$453.84	\$453.84
801876	235-7304-532.21-50	CONSTELLATION NEW ENERGY INC	ACCT 9205458	\$946.69	\$946.69
				Division 4 Total	\$4,550.53
				Department 73 Total	\$14,163.49

WARRANT REGISTER - GM0002**Department: 74 Solid Waste Disposl SWANCC****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
901487	511-7401-562.21-54	SOLID WASTE AGENCY	TIPPING FEES OCT 2019	\$117,099.48	\$117,099.48
				Division 1 Total	\$117,099.48
				Department 74 Total	\$117,099.48

WARRANT REGISTER - GM0002**Department: 75 Municipal Fleet Services****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219538	621-7501-551.21-07	ALEXANDER EQUIPMENT CO INC	VEH MAINTENANCE SUPPLY	\$3,119.07	\$3,119.07
219541	621-7501-551.21-07	WINDSHIELD CENTERS LLC	VEH MAINTENANCE SUPPLY	\$382.50	\$382.50
219553	621-7501-551.31-51	ARLINGTON HTS FORD INC	VEH MAINTENANCE SUPPLY	\$68.72	\$895.62
			VEH MAINTENANCE SUPPLY	\$33.09	
			VEH MAINTENANCE SUPPLY	(\$68.72)	
			VEH MAINTENANCE SUPPLY	\$168.19	
			VEH MAINTENANCE SUPPLY	\$9.26	
			VEH MAINTENANCE SUPPLY	\$377.51	
			VEH MAINTENANCE SUPPLY	\$9.26	
			VEH MAINTENANCE SUPPLY	\$298.31	
219560	621-7501-551.31-51	AUTO ZONE	VEH MAINTENANCE SUPPLY	\$74.87	\$74.87
219566	621-7501-551.31-51	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	\$31.70	\$532.83
			VEH MAINTENANCE SUPPLY	\$10.17	
			VEH MAINTENANCE SUPPLY	\$14.58	
			VEH MAINTENANCE SUPPLY	\$46.88	
			VEH MAINTENANCE SUPPLY	\$15.89	
			VEH MAINTENANCE SUPPLY	\$11.16	
			VEH MAINTENANCE SUPPLY	\$56.28	
			VEH MAINTENANCE SUPPLY	\$42.07	
			VEH MAINTENANCE SUPPLY	\$45.78	
			VEH MAINTENANCE SUPPLY	\$11.79	
			VEH MAINTENANCE SUPPLY	\$16.99	
			VEH MAINTENANCE SUPPLY	\$152.99	

WARRANT REGISTER - GM0002

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219566	621-7501-551.31-51	BUMPER TO BUMPER	VEH MAINTENANCE SUPPLY	\$59.73	\$532.83
			VEH MAINTENANCE SUPPLY	\$16.82	
219573	621-7501-551.21-07	CASEY EQUIPMENT CO	VEH MAINTENANCE SUPPLY	\$4,475.44	\$4,475.44
219574	621-7501-551.21-07	CASSIDY TIRE & SERVICE	VEH MAINTENANCE SUPPLY	\$79.99	\$79.99
	621-7501-551.31-51	CASSIDY TIRE & SERVICE	VEH MAINTENANCE SUPPLY	\$190.58	\$214.58
			VEH MAINTENANCE SUPPLY	\$24.00	
219577	621-7501-551.31-51	CHICAGO PARTS AND SOUND LLC	VEH MAINTENANCE SUPPLY	\$203.17	\$402.54
			VEH MAINTENANCE SUPPLY	\$26.43	
			VEH MAINTENANCE SUPPLY	\$142.90	
			VEH MAINTENANCE SUPPLY	\$30.04	
219589	621-7501-551.21-07	CUMBERLAND SERVICENTER INC	SAFETY LANE COUPONS	\$1,490.00	\$1,490.00
219597	621-7501-551.31-51	FACTORY MOTOR PARTS	VEH MAINTENANCE SUPPLY	\$261.19	\$366.63
			VEH MAINTENANCE SUPPLY	\$50.37	
			VEH MAINTENANCE SUPPLY	\$55.07	
219604	621-7501-551.31-51	FOSTER COACH SALES INC	VEH MAINTENANCE SUPPLY	\$144.96	\$144.96
219606	621-7501-551.31-51	GLOBAL EMERGENCY PRODUCTS	VEH MAINTENANCE SUPPLY	\$207.78	\$13,916.31
			VEH MAINTENANCE SUPPLY	\$13,708.53	
219615	621-7501-551.31-51	HARRIS TRUST & SAVINGS BANK	ADVANCE AUTO PARTS #40	\$12.77	\$268.62
			NPI/RAM MOUNTS	\$255.85	
219623	621-7501-551.21-07	IL SECRETARY OF STATE	VEHICLE REGISTRATION	\$101.00	\$303.00
			VEHICLE REGISTRATION	\$101.00	
			VEHICLE REGISTRATION	\$101.00	
219638	621-7501-551.31-51	LEACH ENTERPRISES INC	VEH MAINTENANCE SUPPLY	\$18.48	\$18.48
219642	621-7501-551.21-08	MAACO COLLISION REPAIR & PAINTING	VEH MAINTENANCE SUPPLY	\$1,179.27	\$1,179.27
219647	621-7501-551.31-51	MASTER HITCH INC	VEH MAINTENANCE SUPPLY	\$121.22	\$121.22

WARRANT REGISTER - GM0002

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219648	621-7501-551.31-51	MC CANN INDUSTRIES	VEH MAINTENANCE SUPPLY	\$58.25	\$58.25
219655	621-7501-551.31-51	MORTON GROVE AUTOMOTIVE WEST	VEH MAINTENANCE SUPPLY	\$295.00	\$295.00
219656	621-7501-551.31-51	NAPA HEIGHTS AUTOMOTIVE	VEH MAINTENANCE SUPPLY	\$175.00	\$331.15
			VEH MAINTENANCE SUPPLY	(\$36.00)	
			VEH MAINTENANCE SUPPLY	\$7.99	
			VEH MAINTENANCE SUPPLY	\$29.53	
			VEH MAINTENANCE SUPPLY	\$154.63	
219667	621-7501-551.31-51	NORTHWEST FREIGHTLINER	VEH MAINTENANCE SUPPLY	\$177.52	\$177.52
219680	621-7501-551.21-07	RACEWAY CARWASH	CAR WASH	\$108.00	\$108.00
219692	621-7501-551.31-51	INTERSTATE BILLING SERVICE INC	VEH MAINTENANCE SUPPLY	\$67.97	\$67.97
219701	621-7501-551.31-51	SCRUBBER CITY INC	VEH MAINTENANCE SUPPLY	\$353.80	\$353.80
219705	621-7501-551.31-51	SHERWIN ACE HARDWARE	HARDWARE SUPPLIES	\$5.99	\$59.88
			HARDWARE SUPPLIES	\$5.99	
			HARDWARE SUPPLIES	\$2.36	
			HARDWARE SUPPLIES	\$5.40	
			HARDWARE SUPPLIES	\$8.44	
			VEH MAINTENANCE SUPPLY	\$31.70	
219712	621-7501-551.21-07	SPRING ALIGN	VEH MAINTENANCE SUPPLY	\$2,328.49	\$2,328.49
219713	621-7501-551.31-51	STANDARD PIPE & SUPPLY INC	VEH MAINTENANCE SUPPLY	\$2.45	\$2.45
219716	621-7501-551.21-07	SUBURBAN ACCENTS INC	VEH MAINTENANCE SUPPLY	\$550.00	\$550.00
	621-7501-551.21-08	SUBURBAN ACCENTS INC	VEH MAINTENANCE SUPPLY	\$175.00	\$175.00
219723	621-7501-551.31-51	TERMINAL SUPPLY CO	VEH MAINTENANCE SUPPLY	\$103.01	\$103.01
219733	621-7501-551.21-07	ULTRA STROBE COMMUNICATIONS INC	VEH MAINTENANCE SUPPLY	\$80.00	\$80.00
219735	621-7501-551.30-35	UNIFIRST CORPORATION	UNIFORM	\$57.27	\$114.54
			UNIFORM	\$57.27	

WARRANT REGISTER - GM0002

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219742	621-7501-551.31-51	WHOLESALE DIRECT INC	VEH MAINTENANCE SUPPLY	\$1,374.72	\$1,813.27
			VEH MAINTENANCE SUPPLY	\$173.35	
			VEH MAINTENANCE SUPPLY	\$265.20	
Division 1 Total					\$34,604.26
Department 75 Total					\$34,604.26

WARRANT REGISTER - GM0002**Department: 90 Capital****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219579	505-9001-571.50-25	CHRISTOPHER B BURKE LTD	SERVICE CONSULTING	\$11,413.37	\$11,413.37
219599	505-9001-571.50-25	FER PAL CONSTRUCTION USA LLC	SERVICE CONSTRUCTION	\$321,730.20	\$321,730.20
219688	505-9001-571.50-25	ROBINSON ENGINEERING LTD	SERVICE CONSULTING	\$4,450.00	\$4,450.00
				Division 1 Total	\$337,593.57

Division: 3

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219657	621-9003-572.50-05	NAPLETON FLEET GROUP	VEHICLE MAJOR TRANSPORT	\$25,027.00	\$124,281.00
			VEHICLE MAJOR TRANSPORT	\$23,764.00	
			VEHICLE MAJOR TRANSPORT	\$25,873.00	
			VEHICLE MAJOR TRANSPORT	\$24,250.00	
			VEHICLE MAJOR TRANSPORT	\$25,367.00	
219689	621-9003-572.50-05	ROESCH FORD	VEHICLE MAJOR TRANSPORT	\$24,381.00	\$48,762.00
			VEHICLE MAJOR TRANSPORT	\$24,381.00	
Division 3 Total					\$173,043.00

Division: 13

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219544	431-9013-571.50-25	AMERICA'S FLOORING STORE	SERVICE BLDG MAINT	\$4,499.09	\$4,499.09
219686	431-9013-571.50-25	RILEY CONSTRUCTION	SERVICE CONSTRUCTION	\$195,808.42	\$195,808.42
				Division 13 Total	\$200,307.51
				Department 90 Total	\$710,944.08

WARRANT REGISTER - GM0002**Department: 99 Non Operating****Division: 1**

Check #	Account Number	Payee	Description 1	Transaction Amount	Total Trans Amount
219651	515-9901-525.40-83	METROPOLIS COMMERCIAL CONDO ASSN	CAM CHARGE	\$6,506.58	\$6,506.58
	515-9901-525.40-92	METROPOLIS COMMERCIAL CONDO ASSN	BUILDING RESERVE CHARGE	\$830.70	\$830.70
Division 1 Total					\$7,337.28
Department 99 Total					\$7,337.28
TOTAL ALL FUNDS:					\$2,863,945.21



Village Board
9/3/2019

Item: Presentation of the 2019 Kenneth Hood Senior Service Award

Department: Presentation of the 2019 Kenneth Hood Senior Service Award

Presentation of the 2019 Kenneth Hood Senior Service Award to Mary Stitt by
the Senior Citizens Commission



Village Board
9/3/2019

Item: Report of Committee-of-the-Whole Meeting of September 3, 2019

Department: Village Manager's Office

Report of Committee-of-the-Whole Meeting of September 3, 2019

Consideration of recommending to the Liquor Commissioner the issuance of a Class E Liquor License to Triple 8, Corp. dba Gumari Thai Restaurant, located at 170 N. Arlington Heights Rd.



Village Board
9/3/2019

Item: Report of the Committee-of-the-Whole Meeting of September 3, 2019

Department: Manager's Office

Report of the Committee-of-the-Whole Meeting of September 3, 2019

Interview of Kenneth Kiefer for Appointment to the Housing Commission - Term Ending 4/30/2020



Village Board
9/3/2019

Item: Report of the Committee-of-the-Whole Meeting of September 3, 2019

Department: Manager's Office

Report of the Committee-of-the-Whole Meeting of September 3, 2019

Interview of David Miller for Appointment to the Housing Commission - Term Ending 4/30/2022



Village Board
9/3/2019

Item: ERP Consultant - Phase I and 2

Department: Finance

The Village is seeking to update its Village-wide Enterprise Resource Planning (ERP) software. This software will include base internal service activities such as accounting, budgeting, payroll, purchasing, and cash receipts. It will also provide centralized capabilities for Human Resources, more automated interaction between Departments, and coordination with the Village's website. The Village's current ERP system was installed in 1996. Although it has been updated over the years, newer software providers offer many more proven capabilities that will improve system efficiencies which will allow more seamless online services now expected by our residents. It is anticipated that assessing our current systems, developing a Request for Proposal (RFP) for new ERP software, and implementing the new software will take at least two to three years to complete. The total cost of the entire ERP project, including software, consultant and training fees is estimated at \$1.5 to \$2 million. Funding for the ERP project will come from Technology Fund reserves which have been retained over the years to cover the cost of replacing the ERP software.

To help the Village through this comprehensive change process, the Village plans on utilizing the services of an experienced independent ERP Consultant to plan and manage the project. Phase 1 of the project will involve assessing the Village's current software system as well as documenting our current processes. Phase 2 will entail the development of a RFP for new ERP software based on the outcomes the Village wants from its ERP software. One of the Village's key goals is to purchase a system that provides for desired outcomes, but requires minimal, if any customization. By going down this path, it will be easier for the Village to keep its software system as up to date as possible. It is also acknowledged that some of the Village's current processes and procedures will likely need to change in order to work more efficiently with the new software. Once the scope of the project is determined and a software vendor is chosen, Phase 3 implementation can be undertaken.

In June of 2019, the Village sent out a RFP for ERP Consultant Services and received six responses. An internal review committee comprised of members from the IS and Finance Departments reviewed the proposals based on the

ability of the proposer to provide the required services, qualifications of the firm, experience with government agencies, proposal responsiveness, and cost. A compilation scoresheet for the six responses is attached. After the internal committee's review of the proposals, two proposers: Plante Moran and Berry Dunn were asked to make a presentation to the committee. Both of these firms scored high on each of the categories, and came highly recommended from communities that have used them in their transitions from Central Square (HTE) to another software provider.

Based on their proposal, references, and their on-site presentation, it is recommended that Plante Moran be approved as the Village's ERP Consultant for Phase 1 and 2 of the ERP software project. While both consultants have experience transitioning from Central Square to another ERP software, Plante Moran has much more experience with local Illinois communities (i.e. St. Charles, Elk Grove, Glencoe, Park Forest and Woodridge) making this transition from Central Square. In addition, Plante Moran placed a higher emphasis on actively working through the change management process. Working with staff to understand and buy-in to a new software package and new procedures is vitally important to the ultimate success of implementing a new software system. Once a preferred software vendor is chosen, the scope of the project is known, and the implementation role of the ERP Consultant is determined, the Village and Plante Moran will negotiate a proposed fee for Phase 3 of the project, which will require subsequent approval by the Village Board. Since the implementation phase will likely be the longest part of the project, it is anticipated that the Phase 3 fee will be at least as much as the fee for the first two phases. The 2019 Budget included \$200,000 for consulting fees for this project.

Recommendation

It is recommended that the Village Board approve the ERP Consultant Services Agreement with Plante Moran for Phase 1 and 2 of the ERP software project in an amount not to exceed \$137,600, subject to a due diligence review of the agreement by the Village's In-House Counsel. This fee is inclusive of all travel, lodging, meals, and incidental expenses.

ATTACHMENTS:

Description	Type
ERP Consultant Score Sheet	Exhibits

ERP Consultant - Score Sheet						
1 thru 10 points	Ability to provide the required services	Qualifications of the firm	Experience and with government agencies	Proposal responsiveness	Fees & costs	Total Points
Soft Resources	38	34	36	38	27 (\$129,000 + \$10K travel)	173
Baker Tilly	31	39	41	35	35 (\$80,000)	181
Tech. Evaluation Cntr	23	25	18	20	9 (\$221,000 + \$36K travel)	95
Accelara	27	27	18	24	18 (\$231,000)	114
Berry Dunn	45	46	47	44	43 (\$118,000)	225
Plante Moran	45	46	46	47	42 (\$137,600)	226



**Village Board
9/3/2019**

Item: Fiber Optic Connection to Fire Stations 3&4 - Contract Renewal

Department: Public Works

In February 2016, the Village Board approved a contract with AT&T for an upgrade to add fiber optic connections to Fire Stations 3 and 4. These network connection upgrades were needed to support new technology improvements that were part of the technology capital improvement plans identified by Fire Administration. The upgrade addressed issues related to:

- Creating, submitting and updating dispatch call reports to CAD and Firehouse applications
- Morning muster/video conferencing between all Fire Stations
- Network reliability and available bandwidth

The current agreement with AT&T ends February 1, 2020. There is a cost decrease for the term of this renewal from \$1,507.50/month to \$1,050.00/month. This upgrade has met staff's expectations and has been successful in addressing the goal and issues stated above. The proposed contract renewal would begin on February 1, 2020 for three years, ending on February 1, 2023. Staff recommends the contract renewal with AT&T for the services at an annual cost of \$12,600.

Funds are available in Account No.101-7101-531.22-70 for these services.

RECOMMENDATION

It is recommended that the Village Board approve a three-year contract renewal with AT&T for fiber optic connections to Fire Stations 3 and 4, in an not-to-exceed annual amount of \$12,600 and authorize staff to execute the necessary documents.



**Village Board
9/3/2019**

Item: Ordinance - Code Amendment - Chapters 14 and 28 - Day Care Homes

Department: Planning/Legal

The Village recently learned that the definition of Day Care Home in the Village Code was no longer consistent with the definition in the State Statute. As one of the requirements to get a license for a Day Care Home in the Village is proof of a State license, Staff felt that the local definition should mirror the State definition. Updating the definition requires an amendment to Chapter 14 and 28, since it is defined in both places.

While looking at the definition in Chapter 28, Staff came across two scrivener's errors from when the extensive changes to Chapter 28 were recently done. One was a failure to change the letter "X" to "P" in the text describing the Permitted Use Tables, as we changed from "X" to "P" in the tables themselves. The second was the inadvertent omission of Day Care Homes as a permitted use in residential districts. As none of these changes to Chapter 28 are substantive changes, they did not need to be reviewed by the Plan Commission first.

Recommendation

It is recommended that the attached Ordinance Amending Chapters 14 and 28 of the Arlington Heights Municipal Code be adopted.

ATTACHMENTS:

Description	Type
Code Amendment - Chapters 14 and 28 - Day Care Homes	Ordinance

**AN ORDINANCE AMENDING CHAPTERS 14 AND 28
OF THE ARLINGTON HEIGHTS MUNICIPAL CODE**

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

SECTION ONE: That Section 14-801, Definition, in Article VIII, Day Care Homes, of Chapter 14, Other Businesses, of the Arlington Heights Municipal Code, is hereby amended to read as follows (the language being deleted is stricken and the language being added is highlighted):

Section 14-801 Definition. ~~A day care home is a facility located in a single family detached residence which receives not more than eight children for care during the day. The maximum of eight children includes the family's natural or adopted children under age 16 and those children who are in the home under full time care.~~ A Day Care Home means a family home which receives more than three up to a maximum of 12 children for less than 24 hours per day. The number counted includes the family's natural or adopted children and all other persons under the age of 12. The term does not include facilities which receive only children from a single household.

SECTION TWO: That Chapter 28, Zoning Regulations, of the Arlington Heights Municipal Code, is hereby amended as follows (the language being deleted is stricken and the language being added is highlighted):

a. That the definition, Day Care Home, in Section 28-3, Definitions, is hereby amended to read as follows:

3.2-63 Day Care Home. ~~A day care home is a facility located in a single family detached residence, which receives not more than eight children for care during the day. The maximum of eight children includes the family's natural or adopted children under age sixteen and those children who are in the home under full time care.~~ A Day Care Home means a family home which receives more than three up to a maximum of 12 children for less than 24 hours per day. The number counted includes the family's natural or adopted children and all other persons under the age of 12. The term does not include facilities which receive only children from a single household.

b. That Section 5.5, Permitted Uses, is hereby amended to read as follows:

5.5 Permitted Uses. No principal building, structure or land use shall be permitted except in the zoning districts indicated and for the purposes permitted in the following table. Each use is mutually exclusive and does not encompass other uses listed in the table. A principal use listed in that table in any district denoted by the letter "X" **"P"** is permitted by right provided that all other requirements of state law, this Chapter, and all other applicable ordinances and regulations have been met. A principal use listed in the Table in any district denoted by the letter "S" is a special use and permitted only subject to the provisions of Section 8. A principal

building structure or use not indicated in any district by either an “~~X~~” “P” or an “S” is not permitted in that district.

c. That Section 5.5-1, Permitted Use Table-Residential Uses, is hereby amended by adding the following:

Residential Uses	RE	R1	R2	R3	R4	R5	R6	R7	I	B1	B2	B3	B4	B5	PL
Day Care Homes	p	p	p	p	p	p	p	p	p						

SECTION THREE: The provisions of this Ordinance are severable, and the invalidity of any phrase, clause or part of this Ordinance shall not affect the validity or effectiveness of the remainder of this Ordinance.

SECTION FOUR: All ordinances or parts of ordinances in conflict with the provisions of this Ordinance are hereby repealed.

SECTION FIVE: This Ordinance shall be in full force and effect from and after its passage and approval and publication in pamphlet form, in the manner provided by law.

AYES:

NAYS:

PASSED AND APPROVED this 3rd day of September, 2019.

Village President

ATTEST:

Village Clerk



**Village Board
9/3/2019**

Item: Resolution - Site Lease Agreement - T-Mobile

Department: Legal

One of the Village Board's Strategic Priorities for 2019 was the Evaluation and Pursuit of Cell Tower Leases on Village Property. As an initial site, the Village sought interest in the water tower located at 2000 S Arlington Heights Road (behind Fire Station 3). Ultimately, T-Mobile expressed interest in a lease at that location.

Attached for approval is a site lease between the Village and T-Mobile Central LLC for space for an antenna on the Village's water tower at that location. T-Mobile will have an option period during which they will hold space on the water tower while they work on getting all approvals. During that time, they will pay the Village \$2,400 per year. The Option period is initially one year, with the ability for T-Mobile to renew for up to three successive one-year periods.

Once the lease term begins, T-Mobile will pay the Village \$2,400 per month, including a \$2,400 security deposit. The term of the Lease is five years, with options to renew for successive five-year periods. At each renewal, the rent will increase 105% from the prior term.

Public Works Staff reviewed the logistics for the antenna and are comfortable with the use of the water tower for this antenna.

RECOMMENDATION

It is recommended that the attached Resolution Approving a Site Lease Agreement with T-Mobile Central LLC be approved.

ATTACHMENTS:

Description	Type
Site Lease Agreement - T-Mobile	Resolution

A RESOLUTION APPROVING A SITE LEASE AGREEMENT
WITH T-MOBILE CENTRAL LLC

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

SECTION ONE: A certain site lease agreement by and between the Village of Arlington Heights and T-Mobile Central LLC, leasing space at the water tank located at 2000 S Arlington Heights Rd, Arlington Heights, Illinois, to mount antenna facilities, a true and correct copy of which is attached hereto, be and the same is hereby approved.

SECTION TWO: The Village President and Village Clerk are hereby authorized and directed to execute said agreement on behalf of the Village of Arlington Heights.

SECTION THREE: This Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law and the Village Clerk is hereby directed to record this Resolution and Agreement in the Office of the Recorder of Cook County, Illinois.

AYES:

NAYS:

PASSED AND APPROVED this 3rd day of September, 2019.

Village President

ATTEST:

Village Clerk

SITE LEASE AGREEMENT

This **SITE LEASE AGREEMENT** (this "Lease") is effective the date of the last signature on this Lease (the "**Effective Date**") by and between Village of Arlington Heights, a municipal corporation ("**Landlord**") and T-Mobile Central LLC, a Delaware limited liability company ("**Tenant**").

Landlord and Tenant agree to the following:

1. **Property Description**. Landlord is the owner of the real property located at 2000 S Arlington Heights Rd, Arlington Heights, IL 60005, as further described on **Exhibit A** (the "**Property**"). The Property includes the premises which is comprised of approximately 407 square feet plus any additional portions of the Property including, but not limited to, Landlord's water tank located on the Property (the "**Water Tank**") which Tenant may require for the use and operation of its facilities as generally described on **Exhibit B** (the "**Premises**").

2. **Option**. Landlord grants to Tenant an option to lease the Premises on the terms and conditions described in this Lease (the "**Option**"). The Option shall commence on the Effective Date and shall continue for a period of one (1) year (the "**Option Period**"). The Option Period will be automatically extended for successive three (3) additional one (1) year periods, unless Tenant provides written notice to the Landlord of its election to exercise or not renew its Option. For each Option Period, Tenant shall pay Landlord two thousand four hundred and no/100 dollars (\$2,400.00).

3. **Landlord Cooperation**. During the Option Period and Term (as defined below), Landlord shall cooperate with Tenant's due diligence activities, which shall include, but not be limited to, reasonable access to the Property for inspections, testing, permitting related to the Permitted Uses (as defined below). Landlord authorizes Tenant to sign, file, submit and obtain all zoning, land use and other applications for permits, licenses and approvals required for the Permitted Uses from all applicable governmental and quasi-governmental entities (collectively, the "**Governmental Approvals**"). Landlord's cooperation shall include the prompt execution and delivery of any documents necessary to obtain and maintain Governmental Approvals or utility services. Additionally, Landlord shall not take any actions which are in conflict with or interfere with Tenant's Governmental Approvals.

4. **Antenna Facilities and Permitted Uses**. Tenant leases the Premises for its equipment, personal property and improvements associated with Tenant's wireless communications business (the "**Antenna Facilities**"). The Premises may be used for the construction, installation, operation, maintenance, repair, addition, modification, upgrading, removal or replacement of any and all Antenna Facilities (the "**Permitted Uses**") for no fee or additional consideration. The Antenna Facilities shall remain the exclusive property of Tenant and shall not be considered fixtures. Landlord hereby waives any and all lien rights it may have concerning the Antenna Facilities. Landlord shall cooperate with the placement of the temporary facility at a mutually acceptable location. All plans requiring an increase in the number of Tenant's antennas or the expansion of the size of the Premises or an increase in the windload on the Antenna Facilities as reasonably determined by the Village must be reviewed and approved by Landlord. Such approval shall not be unreasonably withheld, conditioned, delayed or denied. Landlord shall have twenty (20) business days from the date of receipt of final construction drawings to approve or to disapprove of the final construction drawings. Failure to respond within twenty (20) business days shall be deemed an approval. If the Landlord disapproves, the construction drawings, Landlord must inform Tenant of such disapproval in writing and Tenant shall have the right to revise the construction drawings until approval is obtained. Tenant shall submit engineered site plans and structural analysis to Landlord and Tenant shall pay all costs associated with Landlord's review of plans or review by an outside consultant selected by Landlord. Tenant must obtain all

required building permits for the installation of Tenant's Antenna Facilities. Tenant will not conduct any welding while water is present in the Water Tank. After any welding work is performed by Tenant on the Water Tank, Landlord and Landlord's engineer will conduct a comprehensive Water Tank inspection (inside and out) at Tenant's expense. Tenant will repair any damage to the Water Tank caused by Tenant.

5. Lease Term.

a) The Initial Term of the Lease shall be five (5) years commencing on the date of Tenant's exercise of the Option (the "**Commencement Date**"), and ending on the day immediately preceding the fifth (5th) anniversary of the Commencement Date (the "**Initial Term**"). The Initial Term, together with any Renewal Terms and Extended Periods are referred to collectively as the "**Term**."

b) The Initial Term shall automatically renew for five (5) successive renewal terms of five (5) years each (each a "**Renewal Term**"), provided, however, that Tenant may elect not to renew by providing written notice not less than ninety (90) days prior to the expiration of the then current Term.

c) Upon the expiration of the final Renewal Term, Tenant shall have the right to continue to occupy the Premises and the Term shall automatically extend for up to nine (9) successive one (1) year periods (each, an "**Extended Period**"). Landlord may terminate the renewal of any Extended Period by delivery of notice at least three (3) months prior to the end of the then current Extended Period. Tenant may terminate any Extended Period by delivery of at least three months' notice to Landlord.

6. Rent/Other Charges.

a) Upon the Commencement Date, Tenant shall pay Landlord rent in the amount of two thousand four hundred dollars (\$2,400.00) per month (the "**Rent**"). Tenant shall deliver Rent to Landlord at the address specified in Section 15, or by electronic payment. Tenant shall also provide a security deposit in the amount of \$2,400.00 that will be refunded at the end of the lease once Tenant removes all its equipment. The first Rent payment shall be due within thirty (30) days after the Commencement Date. Subsequent Rent shall be payable by the fifth day of each month.

b) The Rent for each successive Renewal Term shall be an amount equal to one hundred five percent (105%) of the Rent for the immediately preceding Term. The Rent for each Extended Period shall be an amount equal to one hundred five percent (105%) of the Rent for the immediately preceding Term.

c) Rent for any partial month shall be prorated on a per day basis, based on the number of days in the month in question. Landlord shall cooperate with Tenant regarding the use of any electronic rent payment systems or the provision of any associated documentation. Tenant may condition payment of Rent and any other sums payable under this Lease upon Tenant's receipt of a duly completed IRS form W-9, or similar governmental form.

d) Any charges payable under this Lease other than Rent shall be billed by Landlord to Tenant within five (5) years from the date the charges were incurred or due; otherwise the charges shall be deemed time-barred and forever waived and released by Landlord.

7. Interference. Tenant shall not interfere with the radio frequency communications or any operations of Landlord or any of Landlord's existing tenants as of the Effective Date. Subject to the terms of this Agreement, Tenant shall reasonably cooperate with all future tenants of Landlord on the Property. After

the Effective Date, Landlord shall not install, or permit any third party to install, any equipment or structures that interfere with or restrict the operations of Tenant. Any unresolved interference shall be deemed a material breach of this Lease by Landlord and Landlord shall remove the cause of the interference within forty-eight (48) hours of notice.

8. Utility Services.

a. Tenant shall have the right, subject to Landlord's review and approval, not to be unreasonably withheld, conditioned or delayed, to install utility related equipment, including a generator, optical fiber facilities, and alternative related equipment, to service its Antenna Facilities, or temporary cell on wheels on the Property (collectively, the "**Utility Facilities**") at a location approved by the Landlord, not to be unreasonably withheld, conditioned or delayed.

b. Tenant shall be responsible for all utilities charges for electricity, or any other utility service used by Tenant on the Premises. Tenant shall install separate meters for Tenant's utility usage.

9. Access and Easements.

a) Landlord shall furnish unimpeded and secure access to the Premises on a 24-hours-a-day, 7-days-a-week basis to Tenant and Tenant's employees, agents, contractors and other designees. Under ordinary circumstances, Tenant must provide at least 24 hours' notice to Landlord for Water Tank access at the following number Mon – Fri 7 am to 3:30 pm Central Standard Time at 847-368-5800 after hours via pager at 847-206-3430. In the event of an emergency preventing 24-hour notice, Tenant must provide notice to Landlord as soon as possible for Water Tank access at the following number Mon – Fri 7 am to 3:30 pm Central Standard Time at 847-368-5800 after hours via pager at 847-206-3430. When accessing the Water Tank, Tenant must be accompanied by a Landlord's employee at all times during such access and shall pay for all of Tenant's access to the Water Tank that do not occur from 7 am to 3:30 pm Central Standard Time, Monday through Friday.

b) Landlord grants Tenant, at no additional Rent or charge, easements on, over, under and across the Property for ingress, egress, communications, power and other utilities, construction, demolition and access to the Premises and any Utility Facilities (collectively, the "**Easements**"). Landlord shall not modify, interrupt or interfere with any communications, electricity, or other utility equipment and easements serving the Property, except with the prior written approval of Tenant.

10. Termination. Tenant may terminate this Lease without further liability, upon thirty (30) days prior written notice to Landlord, for any of the following reasons: (i) changes in local or state laws or regulations which adversely affect Tenant's ability to operate; (ii) a Federal Communications Commission ("**FCC**") ruling or regulation that is beyond the control of Tenant; (iii) technical or economic reasons; or (iv) if Tenant is unable to obtain any Governmental Approval required for the construction or operation of Tenant's Antenna Facilities. Upon ninety (90) days prior written notice to Landlord, Tenant may terminate this Lease for any or no reason.

11. Casualty and Condemnation. If the Premises or Antenna Facilities are damaged or destroyed by wind, fire or other casualty, Tenant shall be entitled to negotiate, compromise, receive and retain all proceeds of Tenant's insurance and other claims and Tenant may terminate the Lease by written notice to Landlord. If the Premises, any Easements or Antenna Facilities are taken or condemned by power of eminent domain or other governmental taking, then: (a) Tenant shall be entitled to negotiate, compromise, receive and retain all

awards attributable to (i) the Antenna Facilities, (ii) Tenant's leasehold interest in the Property, (iii) any moving or relocation benefit available to Tenant and (iv) any other award available to Tenant that is not attributable to Landlord's title to or interest in the Property. If the Antenna Facilities are not operational due to casualty or condemnation, Tenant shall have the right to abate the Rent for that period time. In addition, Tenant may terminate the Lease by written notice to Landlord.

12. Default and Right to Cure. A party shall be deemed in default under this Lease if it fails to make any payment, or to perform any obligation required of it within any applicable time period specified and does not commence curing such breach within thirty (30) days after receipt of written notice of such breach from the non-defaulting party ("**Default**").

13. Taxes. Tenant shall reimburse Landlord for any property tax paid for by Landlord which is solely and directly attributable to the presence or installation of Tenant's Antenna Facilities or this Lease during the Term. Landlord shall provide prompt and timely notice of any tax or assessment for which Tenant is liable. Tenant shall have the right to challenge any tax or assessment and Landlord shall cooperate with Tenant regarding such challenge.

14. Insurance and Subrogation and Indemnification.

a) During the Term, Tenant and Landlord each shall maintain Commercial General Liability Insurance in amounts of One Million and no/100 Dollars (\$1,000,000.00) per occurrence and Two Million and no/100 Dollars (\$2,000,000.00) aggregate. Each party may satisfy this requirement by obtaining the appropriate endorsement to any master insurance policy such party may maintain. Tenant and Landlord shall each maintain "all risk" or "special causes of loss" property insurance on a replacement cost basis for their respectively owned real or personal property.

b) Tenant shall indemnify and hold the Landlord harmless from and against any and all liens or claims for liens for material or labor by reason of any work done and/or material furnished by or to Tenant in connection with any construction installation, maintenance, repair or other work undertaken at any time by Tenant in or upon the Premises. Tenant shall further indemnify and hold the Landlord and its officers, employees and agents, harmless from any and all claims of third parties and including without limitation, all costs, judgments, expenses, damages and reasonable attorneys' fees, arising out of or in connection with any negligent or intentional act or omission to act on the part of Tenant, its employees, officers, agents or independent contractors retained by Tenant in connection with the installation, operation, repair, maintenance or removal of Tenant's Antenna Facilities except to the extent caused by the misconduct and negligence of Landlord and Landlord's employees, agents, contractors, invitees, licensees and tenants.

Landlord shall indemnify and hold Tenant, and its officers, employees and agents, harmless from any and all claims of third parties including without limitation, all costs, judgments, expenses, damages and reasonable attorneys' fees, arising out of or in connection with any intentional act or omission to act and negligence on the part of the Landlord its employees, officers, agents, or independent contractors.

c) Tenant shall not be responsible or liable to Landlord or any third party for any claims, damages, costs, expenses, including liens, fines, penalties or other enforcement actions, attributable to any pre-existing violations of applicable laws, codes, ordinances or other regulations relating to the Property (collectively, "**Pre-Existing Violations**"). To the extent Tenant is or may be required to cure such Pre-Existing Violations in order to obtain any Governmental Approvals for its Permitted Uses of the Premises, however,

Tenant shall have the right, but not the obligation, to cure such Pre-Existing Violations and deduct the curative costs from Rent payable under this Lease.

d) The provisions of subsections (b) and (c) above shall survive the expiration or termination of this Lease.

15. Notices. All notices, requests, demands and other communications shall be in writing and shall be effective three (3) business days after deposit in the U.S. mail, certified, return receipt requested or upon receipt if personally delivered or sent via a nationally recognized courier to the addresses set forth below. Landlord or Tenant may from time to time designate any other address for this purpose by providing written notice to the other party.

If to Tenant, to:

T-Mobile USA, Inc.
12920 SE 38th Street
Bellevue, WA 98006
Attn: Lease Compliance/ CH93155C

If to Landlord, to:

Village of Arlington Heights
33 S Arlington Heights Rd
Arlington Heights, IL 60005

Per the W-9 Form Rent is to be paid to:

Village of Arlington Heights
33 S. Arlington Heights Rd
Arlington Heights, IL 60005

16. Quiet Enjoyment, Title and Authority. Landlord covenants and warrants that: (a) Landlord has full right, power and authority to execute and perform this Lease and to grant Tenant the leasehold interest and Easements contemplated under this Lease; (b) Landlord has good and unencumbered title to the Property, free and clear of any liens or Mortgages (defined below) which will interfere with Tenant's Permitted Uses and any rights under this Lease; (c) the execution and performance of this Lease shall not violate any laws, ordinances, covenants, or the provisions of any Mortgage, lease, or other agreement binding on Landlord; (d) Tenant's use and quiet enjoyment of the Premises will not be disturbed; and (e) Landlord will be responsible, at its sole cost and expense, for maintaining all portions of the Property in good order and condition and in compliance with all applicable laws, including without limitation, the roof, any support structure owned by Landlord, HVAC, plumbing, elevators, landscaping and common areas.

17. Environmental Laws. Tenant shall not bring any substances identified by any law, ordinance or regulation as hazardous, toxic or dangerous (collectively, the "Hazardous Substances") on to the Property in violation of any applicable laws and ordinances. Landlord represents that it has no knowledge of any Hazardous Substances on the Property.

18. Assignment.

a) Tenant shall have the right to assign or transfer this Lease and the Easements to any person or business entity which: (i) is a parent, subsidiary or affiliate of Tenant or Tenant's parent; (ii) is merged or consolidated with Tenant; or (iii) acquires more than fifty percent (50%) of either an ownership interest in Tenant or the assets of Tenant. Upon such assignment, Tenant shall be relieved of all liabilities and obligations hereunder and Landlord shall look solely to the assignee for performance under this Lease. Tenant may otherwise assign this Lease upon written approval of Landlord, which approval shall not be unreasonably delayed, withheld, conditioned or denied. Upon an assignment or transfer as permitted in this Lease, Tenant

shall be relieved of all liabilities and obligations hereunder and Landlord shall look solely to the assignee for performance under this Lease and all obligations hereunder.

a) Landlord shall have the right to assign and transfer this Lease only to a successor owner of the Property. Only upon Tenant's receipt of written verification of a sale, or transfer of the Property shall Landlord be relieved of all liabilities and obligations and Tenant shall look solely to the new landlord for performance under this Lease. Until Tenant receives required information and documents, Tenant shall not be responsible for any failure to make payments under this Lease and reserves the right to hold payments due under this Lease. Landlord shall not attempt to assign, or otherwise transfer this Lease separate from a transfer of ownership of the Property (the "**Severance Transaction**"), without the prior written consent of Tenant, which consent may be withheld or conditioned in Tenant's sole discretion. If Tenant consents to a Severance Transaction, Landlord and its successors and assigns shall remain jointly and severally responsible for the performance of all duties and obligations of the Landlord under this Lease.

19. Relocation. Landlord shall exercise reasonable good faith efforts to provide Tenant at least four (4) months' written notice of any repairs, maintenance or other work (the "**Work**") during the Term of the Lease which would require the temporary relocation of the Antenna Facilities. Provided, however, if the circumstances do not allow Landlord to provide four (4) months' written notice to Tenant, Landlord shall provide Tenant as much written notice as is reasonably possible under the circumstances. In the event of an emergency, this requirement shall not apply, but Landlord will provide as much notice as is reasonably practicable give the nature of the nature of the emergency to Tenant's NOC phone number at 877-611-5868. Landlord agrees that the Work will not interfere with or alter the quality of the services provided by the Antenna Facilities. Landlord will reimburse Tenant for all expenses incurred by Tenant required to accommodate the Work after the first such relocation.

20. Marking and Lighting Requirements. If any Water Tank or other support structure for Tenant's Antenna Facilities is owned by Landlord, Landlord acknowledges that Landlord shall be responsible for compliance with all marking and lighting requirements of the Federal Aviation Administration and the FCC. Landlord shall indemnify and hold Tenant harmless from any fines or other liabilities caused by Landlord's failure to comply with these requirements.

21. Miscellaneous.

a) This Lease constitutes the entire agreement and understanding of the parties, and supersedes all offers, negotiations and other agreements with respect to the subject matter and Property. Any amendments to this Lease must be in writing and executed by both parties.

b) Landlord agrees to cooperate with Tenant in executing any documents which Tenant deems necessary to insure and protect Tenant's rights in, or use of, the Premises. Landlord shall execute and deliver: (i) a Memorandum of Lease in substantially the form attached as **Exhibit C**; and (ii) if the Property is encumbered by a deed, mortgage or other security interest (each, a "**Mortgage**"), a subordination, non-disturbance and attornment agreement using Tenant's form.

c) This Lease shall be construed in accordance with the laws of the state or territory in which the Property is located, without regard to the principles of conflicts of law.

d) If any term of this Lease is found to be void or invalid, the remaining terms of this Lease shall continue in full force and effect. Any questions of particular interpretation shall be interpreted as to their fair meaning.

e) Each party hereby represents and warrants to the other that this Lease has been duly authorized, executed and delivered by it, and that no consent or approval is required by any lender or other person or entity in connection with the execution or performance of this Lease.

f) If either party is represented by any broker or any other leasing agent, such party is responsible for all commission fee or other payment to such agent.

g) This Lease may be executed in any number of counterparts, each of which shall be deemed an original, but all of which together shall constitute a single instrument. Signed facsimile and electronic copies of this Lease shall legally bind the parties to the same extent as original documents.

h) Unless otherwise provided in this Lease, Landlord shall have twenty (20) business days from the date of receipt of Tenant's request for approval or consent to approve or consent or not approve or not consent with a reasonable explanation. Failure to respond within twenty (20) business days shall be deemed an approval and a consent.

LANDLORD: Village of Arlington Heights

By: _____

Printed Name: Thomas W. Hayes

Title: Village President

Date: September 3, 2019

TENANT: T-Mobile Central LLC

By: _____

Printed Name: **Faisal Afridi**
Senior Director

Title: **Engineering & Operations**

Date: **8/13/19**

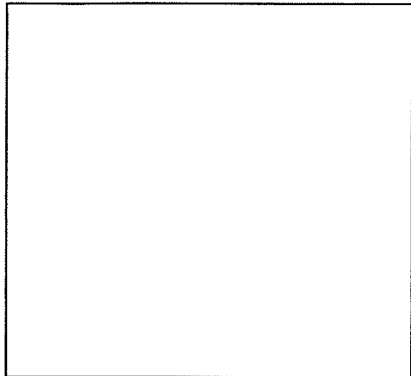
robert.doane@t-mobile.com
Digitally signed by
robert.doane@t-mobile.com
DN: cn=robert.doane@t-mobile.com
Date: 2019.08.07 13:43:45 -0700
e@t-mobile.com

T-Mobile Legal Approval As To Form

STATE OF ILLINOIS)
) ss.
COUNTY OF COOK)

This instrument was acknowledged before me on _____ by
Thomas W. Hayes, [title] Village President of
Village of Arlington Heights a municipal corporation [type of entity], on behalf of said
Village of Arlington Heights [name of entity].

Dated: September 3, 2019



(Use this space for notary stamp/seal)

Notary Public

Print Name _____

My commission expires _____

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

[Notary block for Tenant]

STATE OF Illinois)
) ss.
COUNTY OF DuPage)

I certify that I know or have satisfactory evidence that Faisal Afridi is the person who appeared before me, and said person acknowledged that she/he signed this instrument, on oath stated that she/he was authorized to execute the instrument and acknowledged it as the Sr. Director Engineering TOPS of T-Mobile Central LLC, a Delaware limited liability company, to be the free and voluntary act of such party for the uses and purposes mentioned in the instrument.

Dated: 8/13/19



Theodore Fairchild
Notary Public
Print Name Theodore Fairchild
My commission expires 1/9/23

(Use this space for notary stamp/seal)

EXHIBIT A
Legal Description

Property address of 2000 S Arlington Heights Rd, Arlington Heights, Cook County, IL 60005
Assessor's tax parcel number of 08-16-200-056-0000

The Property is legally described as follows:
[Enter legal description below or as an attachment(s) A-2, etc.]

FLAT OF SURVEY

OF

PARCEL A : THAT PART OF LOT 6 IN THE SUBDIVISION OF THE JOSEPH A. BARNES FARM IN SECTIONS 9, 15 AND 16, TOWNSHIP 41 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, BOUNDED BY A LINE DESCRIBED AS FOLLOWS: COMMENCING AT A POINT ON THE CENTER LINE OF ARLINGTON HEIGHTS ROAD, 481.13 FEET SOUTH OF THE INTERSECTION OF SAID CENTER LINE WITH THE NORTH LINE OF SAID SECTION 16; THENCE WEST ALONG A LINE WHICH INTERSECTS THE NORTHWESTERLY LINE OF SAID LOT 6, 574.67 FEET SOUTHWESTERLY OF THE INTERSECTION OF SAID NORTHWESTERLY LINE WITH THE NORTH LINE OF SAID SECTION 16, 50.0 FEET FOR A PLACE OF BEGINNING, SAID POINT BEING ON THE WEST LINE OF ARLINGTON HEIGHTS ROAD, AS WIDENED, SAID WESTERLY LINE OF ARLINGTON HEIGHTS ROAD, BEING A LINE RUNNING FROM THE ABOVE DESCRIBED POINT TO A POINT ON THE NORTH LINE OF THE SOUTH 210.0 FEET, MEASURED ALONG THE CENTER LINE OF ARLINGTON HEIGHTS ROAD, OF SAID LOT 6, 30.0 FEET WESTERLY OF SAID CENTER LINE, THENCE CONTINUING WEST ALONG SAID LINE WHICH INTERSECTS THE NORTHWESTERLY LINE OF LOT 6, A DISTANCE OF 291.68 FEET; THENCE SOUTHERLY PARALLEL WITH THE WESTERLY LINE OF ARLINGTON HEIGHTS ROAD, A DISTANCE OF 150.0 FEET; THENCE EAST A DISTANCE OF 291.68 FEET TO A POINT ON THE WESTERLY LINE OF ARLINGTON HEIGHTS ROAD 150.0 FEET SOUTH OF THE PLACE OF BEGINNING; THENCE NORTH ALONG THE WEST LINE OF SAID ROAD, A DISTANCE OF 150.0 FEET TO THE PLACE OF BEGINNING, IN COOK COUNTY, ILLINOIS.

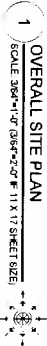
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EXHIBIT B

Subject to the terms and conditions of this Lease, the location of the Premises is generally described and depicted as shown below or in the immediately following attachment(s).

However, it is expressly agreed and understood by and between the Landlord and Tenant that the exact and precise location of the Tenant's Antenna Facilities are subject to review and approval by the planning and/or zoning Boards having jurisdiction over the Property.

[Enter Premises description here or on attachment(s).]

[illegible]

A-O

EXHIBIT C

Memorandum of Lease

After Recording, Mail To:
T-Mobile USA, Inc.
12920 SE 38th Street
Bellevue, WA 98006
Attn: Lease Compliance/ CH93155C

APN: 08-16-200-056-0000
Loan No.

MEMORANDUM OF LEASE

A Site Lease Agreement (the "Lease") by and between Village of Arlington Heights, a municipal corporation ("Landlord") and T-Mobile Central LLC, a Delaware limited liability company ("Tenant") was made regarding a portion of the following property (as more particularly described in the Lease, the "Premises"):

See Attached **Exhibit A** incorporated herein for all purposes.

Without limiting the terms and conditions of the Lease, Landlord and Tenant hereby acknowledge the following:

1. Capitalized terms used, but not otherwise defined herein, shall have the meanings ascribed to such terms in the Lease.
2. Pursuant to the Lease, Landlord has granted Tenant an option to lease the Premises (the "Option") on the terms and conditions described in the Lease. The Option is for an initial term of one (1) year commencing on the effective date of the Lease, and will be extended for up to three (3) additional and successive one (1) year periods unless Tenant provides written notice to exercise or not renew its Option.
3. Provided that the Option has been exercised by Tenant, the initial term of the Lease shall be for five (5) years and will commence on the date that Tenant exercises its Option.
4. Tenant shall have the right to extend the Lease for five (5) additional and successive five (5)-year terms which may be extended for up to nine (9) additional and successive one-year periods.
5. This memorandum is not a complete summary of the Lease. It is being executed and recorded solely to give public record notice of the existence of the Option and the Lease with respect to the Premises. Provisions in this memorandum shall not be used in interpreting the Lease provisions and in the event

of conflict between this memorandum and the said unrecorded Lease, the unrecorded Lease shall control.

6. This memorandum may be signed in any number of counterparts, each of which shall be an original, with the same effect as if the signatures thereto were upon the same instrument.

IN WITNESS WHEREOF, the parties hereto have respectively executed this memorandum effective as of the date of the last party to sign.

LANDLORD: Village of Arlington Heights

By: _____

Printed Name: _____

Title: _____

Date: _____

TENANT: T-Mobile Central LLC

By: _____

Printed Name: _____

Title: _____

Date: _____

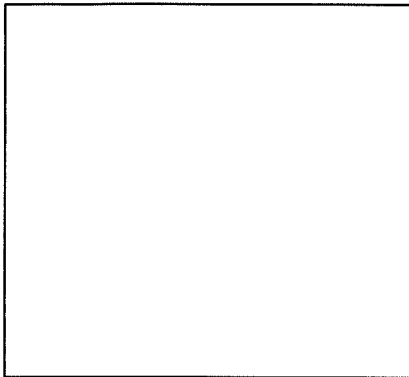
[Notary block for Landlord]

[Landlord Notary block for a Corporation, Partnership ,or Limited Liability Company]

STATE OF _____)
) ss.
COUNTY OF _____)

This instrument was acknowledged before me on _____ by
_____, [title] _____ of
_____ a _____ [type of entity], on behalf of said
_____ [name of entity].

Dated: _____



Notary Public
Print Name _____
My commission expires _____

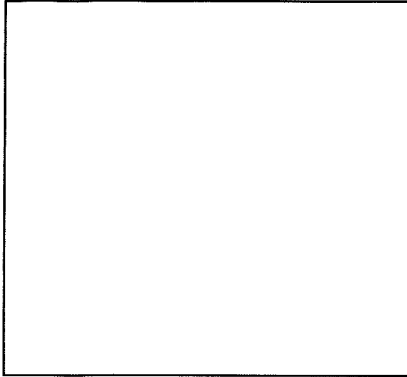
(Use this space for notary stamp/seal)

[Notary block for Tenant]

STATE OF _____)
) ss.
COUNTY OF _____)

I certify that I know or have satisfactory evidence that _____ is
the person who appeared before me, and said person acknowledged that she/he signed this instrument, on
oath stated that she/he was authorized to execute the instrument and acknowledged it as the
_____ of T-Mobile Central LLC, a Delaware limited liability
company, to be the free and voluntary act of such party for the uses and purposes mentioned in the
instrument.

Dated: _____



Notary Public

Print Name _____

My commission expires _____

(Use this space for notary stamp/seal)

Memorandum of Lease - Exhibit A

Property address of 2000 S Arlington Heights Rd, Arlington Heights, Cook County, IL 60005
Assessor's tax parcel number of 08-16-200-056-0000

The Property is legally described as follows:

[Enter legal description below or as an attachment(s) A-2, etc.]

FLAT OF SURVEY

OF

PARCEL A: THAT PART OF LOT 8 IN THE SUBDIVISION OF THE JOSEPH A. BARNES FARM IN SECTIONS 9, 15 AND 16, TOWNSHIP 41 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, BOUNDED BY A LINE DESCRIBED AS FOLLOWS: COMMENCING AT A POINT ON THE CENTER LINE OF ARLINGTON HEIGHTS ROAD, 401.13 FEET SOUTH OF THE INTERSECTION OF SAID CENTER LINE WITH THE NORTH LINE OF SAID SECTION 16; THENCE WEST ALONG A LINE WHICH INTERSECTS THE NORTHWESTERLY LINE OF SAID LOT 8, 874.87 FEET SOUTHWESTERLY OF THE INTERSECTION OF SAID NORTHWESTERLY LINE WITH THE NORTH LINE OF SAID SECTION 16, 58.0 FEET FOR A PLACE OF BEGINNING, SAID POINT BEING ON THE WEST LINE OF ARLINGTON HEIGHTS ROAD, AS WIDENED, SAID WESTERLY LINE OF ARLINGTON HEIGHTS ROAD, BEING A LINE RUNNING FROM THE ABOVE DESCRIBED POINT TO A POINT ON THE NORTH LINE OF THE SOUTH 291.0 FEET, MEASURED ALONG THE CENTER LINE OF ARLINGTON HEIGHTS ROAD, OF SAID LOT 8, 30.0 FEET WESTERLY OF SAID CENTER LINE, THENCE CONTINUING WEST ALONG SAID LINE WHICH INTERSECTS THE NORTHWESTERLY LINE OF LOT 8, A DISTANCE OF 291.0 FEET; THENCE SOUTHERLY PARALLEL WITH THE WESTERLY LINE OF ARLINGTON HEIGHTS ROAD, A DISTANCE OF 150.0 FEET; THENCE EAST A DISTANCE OF 291.0 FEET TO A POINT ON THE WESTERLY LINE OF ARLINGTON HEIGHTS ROAD 150.0 FEET SOUTH OF THE PLACE OF BEGINNING, THENCE NORTH ALONG THE WEST LINE OF SAID ROAD, A DISTANCE OF 150.0 FEET TO THE PLACE OF BEGINNING, IN COOK COUNTY, ILLINOIS.

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**Village Board
9/3/2019**

Item: Permit Fee Waiver - 2201 N. Windsor Dr./Arlington Heights Park District

Department: Building & Life Safety

Background:

The Arlington Heights Park District is requesting a waiver of the permit fees (after the fact) for the resurfacing of the parking lot located at 2201 N. Windsor Dr.

Amount of permit fees: \$4,386.00

Recommendation:

Staff recommends that the Village Board grant a waiver of the permit fees related to the resurfacing of the parking lot located at 2201 N. Windsor Dr.

ATTACHMENTS:

Description

Letter

Type

Correspondence



August 23, 2019

Mr. Randy Recklaus
Village Manager
Village of Arlington Heights
33 S. Arlington Heights Road
Arlington Heights, IL 60005

Re: Request for Waiver of Fees – Resurface Parking Lot at Lake Arlington
Permit #19-57

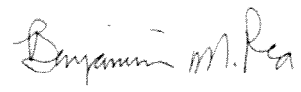
Mr. Recklaus:

The Village of Arlington Heights Building Department has approved the application for permit for the resurfacing of the parking lot located at 2201 N. Windsor Dr., operated by the Arlington Heights Park District.

Following prior practice, the Arlington Heights Park District respectfully requests the waiver of all applicable Village of Arlington Heights Permit fees. The Park Board of Commissioners and staff appreciate your assistance to this matter.

If you need any additional information, please feel free to contact me at (847)506-7145. Thank you again for the continued cooperation and support from the Village of Arlington Heights.

Sincerely,

A handwritten signature in cursive script that reads "Benjamin M. Rea". The signature is written in dark ink and is positioned above the printed name.

Benjamin M. Rea, CPRE

Director of Parks and Planning



VILLAGE OF ARLINGTON HEIGHTS
BUILDING & LIFE SAFETY DEPARTMENT
33 S. Arlington Heights Rd.
Arlington Heights, IL 60005
Phone: (847) 368-5560
Fax: (847) 368-5975
Website: www.vah.com

BUILDING PERMIT FEE(S)

Air Conditioning.....	101-422.45			
Architectural Review.....	101-432.08			
Building Permit.....	101-422.05	4136.	Bldg. Permit Advance \$	
Chimney Permit.....	101-422.60			
Driveway Permit.....	101-422.35		Paid by	
Electrical Permit.....	101-422.10		[Check] [Cash] Date	
Engineering Permit.....	101-432.12	50.		
Fire Review.....	101-432.09			
Occupancy Permit.....	101-422.30			
Plan Exam.....	101-432.08			
Plumbing Permit.....	101-422.15		CONTRIBUTIONS	
Sewer Connection.....	505-452.48			
Structural Engineering.....	101-432.08		Library Fee.....	721-221.10-11
Swimming Pool Permit.....	101-422.50		Elem. School Dist. #	721-221.10-11
Tree Fee.....	101-250.05		High School Dist. #214.....	721-221.10-11
Water Backflow Preventer....	505-472.32		Park Dist.....	721-221.10-11
Water Capital Fee.....	505-452.50		Chemical User Fee.....	101-0000-433.2400
Water Connection.....	505-452.46			
Water For Construction.....	505-452.44		BONDS	Eng 200.-
Water Meter ().....	505-472.30			
Water Tap ().....	505-452.46		Total Due For All Bonds.....	
Wrecking Permit.....	101-422.65		Other.....	
Other.....				
PERMIT SUB TOTAL		4186.-	CONTRIBUTION & BONDS SUB-TOTAL.	
			TOTAL PERMIT, CONTRIBUTIONS & BONDS.	4386.

Architect's statement of compliance will be required for final inspection.

☐ Yes ☐ Not Applicable

Approved spotted plat required before framing can take place.

☐ Yes ☐ Not Applicable

"Job Site" copy of all plans and documents must be on-site including revisions/addendums.

Job Address 2201 N. Windsor Dr.

I have picked up the permit and reviewed the plans. I have transferred all comments to all official sets of plans. I understand that the transferring of comments to all sets of plans is the responsibility of the applicant and any omission does not relieve the applicant from complying with the comments.

Date _____ Signature _____ Print Name _____

Phone _____ E-Mail Address _____

Permit No. 19-57



**Village Board
9/3/2019**

Item: General Obligation Refunding Bonds, Series 2019

Department: Finance

The estimated \$8.6 million General Obligation Refunding Bonds, Series 2019 will reduce the Village's debt service levy by replacing Village bonds paying 4% interest with lower interest bonds.

The Village's financial consultant, Kevin McCanna of Speer Financial, will be at the September 3, 2019 Board meeting to report on the bond sale and to answer any questions that may arise.

RECOMMENDATION:

It is recommended that the Village Board approve the competitive sale providing for the issuance of the General Obligation Refunding Bonds, Series 2019.



**Village Board
9/3/2019**

Item: Parking Guidance System and Lighting for Vail Avenue Garage

Department: Planning & Community Development

In 2018, the Village hired a consulting firm to conduct a downtown parking study and make recommendations on how to improve the downtown parking system. Among those recommendations was the installation of a parking guidance system. Parking improvements were presented to the Board at a Committee-of-the-Whole meeting in January 2019 and the Board directed staff to move forward with implementation of various improvements. The Village has \$750,000 allocated in the Parking Fund for downtown parking enhancements.

A Request for Proposals was developed and publicly advertised earlier this year for a parking guidance system, with five proposals received. The base cost is for the guidance system, which will include four signs at the entrances to the Vail Garage displaying how many spaces are available on each level, and LED lights throughout the garage (except level 5) that signify if a space(s) is open. The alternate is for additional directional signage on levels 4 and 5 to direct drivers to where, and how many, additional parking spaces are located.

The five proposals are as follows:

<u>Vendor</u>	<u>Base Cost</u>	<u>Alternate (Additional Signs)</u>
Quercus	\$348,132	not provided
ECO Technologies	\$349,333	\$22,000
Q Free	\$490,444	\$4,400
Park Assist	\$579,611	\$3,400
Amano	\$ 793,638	\$16,756

ECO Technologies included new lighting in the Vail Garage in their proposal for an additional \$119,675, which includes installation. It should be noted that the Village has allocated funds in the CIP to replace lighting in the Vail Garage in 2021/2022. The ECO LED lighting system requires approximately one-half as many fixtures compared to the current configuration, as the lighting offered by ECO is down the center of the drive aisles and provides significantly enhanced lighting. The parking guidance LED lights and camera based monitoring system are connected to the lighting for power. Although the guidance system can stand

alone without the lights, Staff recommends purchasing the lighting since new lighting is planned anyway. A significant benefit of the light fixtures is that they dim to a lower level (but still providing safe lighting levels above the current level in the garage) when there is no movement detected, thus saving energy costs. The Village can adjust the lighting levels with these fixtures to appropriate levels as well, but the lights do provide significantly better lighting to enhance safety. Each of the fixtures/guidance system monitors six parking spaces and is camera based. Since the system is wireless, the infrastructure to operate the system is far less than the other systems, which are not wireless based but rather connected via conduit.

Staff interviewed two firms, ECO Technologies and Park Assist. Although impressed with both firms, Staff recommends ECO Technologies for the following reasons:

1. Pricing;
2. System is wireless and cloud based, thus this system has the least amount of infrastructure;
3. New lighting will greatly enhance the garage and is tied into the parking guidance cameras and lights;
4. Demo lights and guidance system were installed monitoring 36 spaces on the 4th level which provided a first hand opportunity to evaluate the system; and
5. References from others who have this system were positive.

There is an annual fee for software to run the system (\$13,000 year 1), which can be offset by savings in electricity with the new light fixtures. Software updates are provided, and this system will provide real time ongoing data to the Village on how each parking space is utilized all day throughout the year.

Recommendation

It is recommended that the Village Board accept the proposal from ECO Technologies and authorize the Village Manager to enter into a contract for a parking guidance system and garage lighting for the Vail Garage, not to exceed \$491,000 from the Parking Fund. It is recommended further that the Municipal Parking Fund budget be amended by transferring \$491,000 from Parking Fund reserves to account 235-7101-571-50-25.



**Village Board
9/3/2019**

Item: Downtown Parking Signs

Department: Planning & Community Development

The Planning and Community Development Department issued a Downtown Parking Signs package for bid in April 2019. The package included new blade signs for the North Garage and Vail Avenue Garage, two blade signs total. The package also included pole-mounted parking signs for the Downtown surface parking lots and Underground Garage, six pole-mounted signs total. During the initial planning phase and early discussions with the Village Board, preliminary cost estimates were obtained from three sign companies.

On May 28, 2019, a public bid opening was held, and one bid was received from QT Signs, Schaumburg, IL:

ORIGINAL BID

Pole-mounted Parking Sign:	\$19,978 each	x 6	\$119,868
Parking Garage Blade Sign:	\$29,928 each	x 2	\$59,857
Delivery & Installation Pole Sign:	\$6,742 each	x 6	\$40,452
Delivery & Installation Blade Sign:	\$6,789 each	x 2	\$13,578

**ORIGINAL BID TOTAL:
\$233,755**

The bid received was higher than the cost estimates for the project, which ranged from \$120,544 to \$135,498. One of the companies who provided an estimate reported that they could not provide a bid for the project due to their current workload. QT Signs has successfully completed multiple previous signage projects for Arlington Heights, so Staff worked with QT signs to explore options to reduce the cost, including review of an itemized bid breakdown. For the blade signs, the cabinet thickness and structural attachment to the building were revised, resulting in a cost savings of \$4,944 per blade sign. For the pole-mounted signs, an alternate pole manufacturer was selected, resulting in a cost savings of \$1,282 per sign. Additionally, Staff is recommending omitting the two pole-mounted signs facing Evergreen Avenue, for a total of four pole-mounted signs instead of six.

REVISED BID

Pole-mounted Parking Sign (\$1,282 savings):	\$18,696 each	x 4	\$74,784
Parking Garage Blade Sign (\$4,944 savings):	\$24,984 each	x 2	\$49,968
Delivery & Installation Pole Sign:	\$6,742 each	x 4	\$26,968
Delivery & Installation Blade Sign:	\$6,789 each	x 2	\$13,578

REVISED BID TOTAL:

\$165,298

RECOMMENDATION

It is recommended that the Village Board award QT Signs of Schaumburg, Illinois the contract for two Parking Garage Blade Signs and four Pole-mounted Parking Signs in the amount of \$165,298.00. It is further recommended that the Municipal Parking Fund budget be amended by transferring \$165,300 from Parking Fund reserves to account #235-7101-571-50-25, and to authorize Staff to execute the necessary documents.



Village Board
9/3/2019

Item: Northwest Crossings - 1501 W. Shure Dr. - PC#19-011

Department: Planning & Community Development

Requested Action

1. Amendment to PUD Ordinance 88-60, 15-016, and 15-040 to allow certain modifications to the approved development plan.

Variations Required

1. Variation to Chapter 28, Section 6.13-3a, Front Yard, to allow a 8' tall open fence with sharp points, a 17.3' tall solid fence enclosing a mechanical unit, A 8' tall chainlink fence enclosing a transformer, and a 6' tall solid fence enclosing certain gas meters, all in a front yard.

2. Variation to Chapter 28, Section 6.13-3b, Side and Rear Yards, to allow a 8' tall open fence in a side yard and a 8' tall solid fence in a side yard.

3. Variation to Chapter 28, Section 6.13-3b.2, Corner Lot, to allow an 8-foot tall open and solid fence, 8' tall chainlink fence enclosing a transformer, and a 17.3' tall solid fence enclosing a mechanical unit, all in a rear yard.

4. Variation to Chapter 28, Section 6.13-3c.1, Exterior Side Yards, to allow an 8-foot tall open fence in an exterior side yard.

5. Variation to Chapter 28, Section 6.13-2f, Materials and Type of Construction, to allow slatted chainlink fencing.

6. Variation to Chapter 28, Section 6.12-1, to waive the requirement for a traffic and parking study prepared by a qualified professional engineer.

7. Variation to Chapter 28, Section 6.6-5.1, Table of Permitted Obstructions, to allow Central Air Conditioning Units to be setback 8.5 feet from a side property line where code requires a 97.4' setback.

8. Variation to Chapter 28, Section 6.5-2, to allow certain accessory structures

(guard houses) within a front yard and to allow five accessory structures on the subject property where only four are allowed.

9. Variation to Chapter 28, Section 10.2-9, Access, to allow certain driveway entrances in excess of the maximum allowable driveway width of 36'.

10. Variation to Chapter 28, Section 6.15-1.2b, New Landscape Requirements, to waive the requirement for shade trees in certain landscape islands on the subject property.

RECOMMENDATION

A public hearing was held by the Plan Commission on August 28, 2019 where Commissioner Green moved and Commissioner Jensen seconded:

A motion to recommend approval to the Village Board of Trustees, of PC#19-011, an amendment to PUD ordinances 88-60, 15-016, and 15-040 to allow certain modifications to the approved development plan, and the following variations:

1. Variation to Chapter 28, Section 6.13-3a, Front Yard, to allow a 8' tall open fence with sharp points, a 17.3' tall solid fence enclosing a mechanical unit, A 8' tall chainlink fence enclosing a transformer, and a 6' tall solid fence enclosing certain gas meters, all in a front yard.

2. Variation to Chapter 28, Section 6.13-3b, Side and Rear Yards, to allow a 8' tall open fence in a side yard and a 8' tall solid fence in a side yard.

3. Variation to Chapter 28, Section 6.13-3b.2, Corner Lot, to allow an 8-foot tall open and solid fence, 8' tall chainlink fence enclosing a transformer, and a 17.3' tall solid fence enclosing a mechanical unit, all in a rear yard.

4. Variation to Chapter 28, Section 6.13-3c.1, Exterior Side Yards, to allow an 8-foot tall open fence in an exterior side yard.

5. Variation to Chapter 28, Section 6.13-2f, Materials and Type of Construction, to allow slatted chainlink fencing.

6. Variation to Chapter 28, Section 6.12-1, to waive the requirement for a traffic and parking study prepared by a qualified professional engineer.

7. Variation to Chapter 28, Section 6.6-5.1, Table of Permitted Obstructions, to allow Central Air Conditioning Units to be setback 8.5 feet from a side property line where code requires a 97.4' setback.

8. Variation to Chapter 28, Section 6.5-2, to allow certain accessory structures (guard houses) within a front yard and to allow five accessory structures on the subject property where only four are allowed.

9. Variation to Chapter 28, Section 10.2-9, Access, to allow certain driveway

entrances in excess of the maximum allowable driveway width of 36'.

10. Variation to Chapter 28, Section 6.15-1.2b, New Landscape Requirements, to waive the requirement for shade trees in certain landscape islands on the subject property.

This recommendation shall be subject to the following conditions:

1. Build-out and occupancy of the 68,253 square foot Phase II area must occur simultaneous to construction of the Phase II parking area.
2. Prior to building permit issuance, the petitioner shall work with the Village to revise areas within the parking lots where fire truck turning may be difficult, to the satisfaction of the Fire Department.
3. The petitioner shall add all missing shade trees to the landscape islands on the subject property, except for the island on the south of the building adjacent to the building entrance and the island on the north side of the building adjacent to the transformer.
4. The petitioner shall comply with all Federal, State, and Village Codes, Regulations, and Policies.

Roll Call Vote: Commissioners Dawson, Drost, Jensen, Lorenzini, Warskow, Green, Sigalos, and Chair Ennes voted in favor. Motion carried.

ATTACHMENTS:

Description	Type
Staff Report	Report
PC Minutes 8/28/19 - DRAFT	Minutes
Aerial	Exhibits
Justification for Variations	Exhibits
Project Narrative	Exhibits
Architectural Plans	Exhibits
Engineering Plans	Exhibits
Landscape Plans	Exhibits
Fire Dept. Connection & Hydrant Exhibit	Exhibits
Fire Truck Turning Exhibit	Exhibits
Guard House Plans	Exhibits
Lighting Cut Sheets	Exhibits
Photometric Plan	Exhibits
Traffic Memo	Correspondence
Department Comments - Round 1	Exhibits
Department Comments - Round 1 - Petitioner Response	Exhibits
Department Comments - Round 2	Exhibits
Department Comments - Round 2 -	

Petitioner Response
PC Timeline Tracker

Exhibits
Exhibits



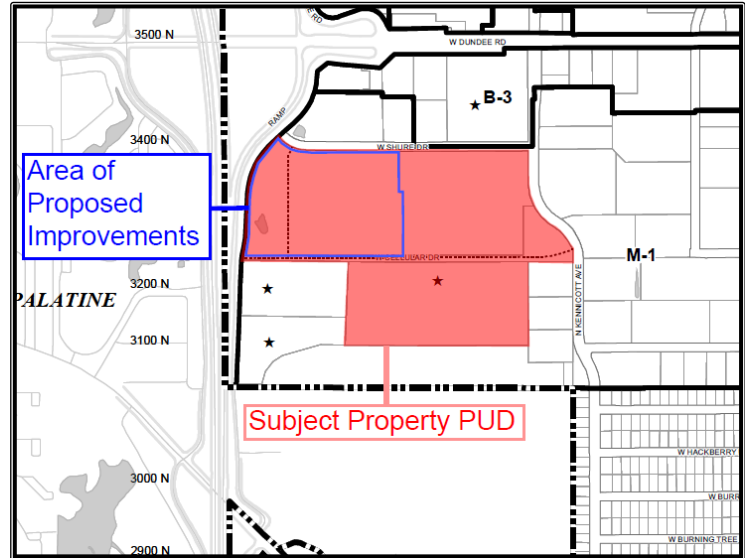
VILLAGE OF ARLINGTON HEIGHTS **STAFF DEVELOPMENT** **COMMITTEE REPORT**

Project Number: PC 19-011
Project Title: Northwest Crossings PUD
 Amendment
Address: 1455, 1421, and 1501 W. Shure Dr.
PIN: 03-07-100-015, -021, -023, and -024

To: Plan Commission
Prepared By: Sam Hubbard, Development Planner
Meeting Date: August 28, 2019
Date Prepared: August 23, 2019

Petitioner: Adam Keldermans
 TNC Lot 1, LLC
Address: 1033 Skokie Blvd. – Suite 480
 Northbrook, IL 60062

Existing Zoning: M-1: Research, Development and
 Light Manufacturing District
Comprehensive Plan: R&D, Mfg. and Warehousing



SURROUNDING LAND USES

Direction	Existing Zoning	Existing Use	Comprehensive Plan
North	M-1: Research, Development and Light Manufacturing District, B-3: General Service, Wholesale, and Motor Vehicles District	7-story office building, single-story flex office/light industrial building	Offices Only, Commercial
South	M-1: Research, Development and Light Manufacturing District	Multi-tenant office complex, Cemetery	R&D, Mfg., Warehousing
East	M-1: Research, Development and Light Manufacturing District	Multi-tenant flex office/industrial buildings	R&D, Mfg., Warehousing
West	- Unincorporated Cook County and Village of Palatine -		

Requested Action:

1. Amendment to PUD Ordinance 88-60, 15-016, and 15-040 to allow certain modifications to the approved development plan.

Variations Required:

1. Multiple variations requested – See **Appendix I**.

Project Background:

The subject PUD contains approximately 64.25 acres and was originally approved in 1988. The PUD includes three buildings, two on the northern side of Cellular Drive (1501 W. Shure Drive and 1421 W. Shure Drive) and one on the southern side (1455 W. Shure Drive). The 1455 W. Shure Drive building contains approximately 214,000 square feet and up until about one year ago was the home to Nokia Siemens, however, the building is currently vacant. The building at 1421 W. Shure Drive contains approximately 209,271 square feet and is fully leased to two tenants (HSBC and Northrop Grumman). The building at 1501 W. Shure drive is currently vacant and contains approximately 195,300 square feet. **Appendix II** at the end of this report depicts the overall PUD and where each building is located within the PUD.

The original 1988 PUD has undergone several amendments over the years, most recently in 2015 to allow demolition of a portion of the 1501 W. Shure Drive building, resulting in the current total of 195,300 square feet. A confidential tenant has been identified to lease the entire building, however, in order for them to occupy the site, certain changes must be made to the parking area and site access to provide for enhanced security. In addition to these exterior changes, the interior the space will be built out to accommodate the needs of this tenant. Work on the site will proceed in two phases:

- **Phase I:** Build-out and occupancy of 127,047 square feet of space within the building to accommodate a backup network operations center and business resumption training suite. Reconfiguration of the parking area and driveway entrances to reduce the overall number of parking spaces from 802 spaces to 559 spaces. Installation of an 8-foot tall security fence around the entire perimeter of the site, gated entry points with guard houses, and two large generators. Improvements to the stormwater facilities on the site.
- **Phase II:** Build-out and occupancy of the remaining 68,253 square feet of space within the building and construction of an additional 342 parking spaces on the north side of the building for a total of 898 parking spaces (includes the removal of three spaces from the Phase I parking lot to accommodate access into the Phase II parking lot).

Zoning and Comprehensive Plan

The subject property is zoned M-1, Research, Development, and Light Manufacturing District and the proposed office use is a permitted use within the M-1 District. However, as the site was originally approved as a PUD, the proposed site modifications require an amendment to the previously granted PUD. Additionally, the petitioner is proposing an eight-foot tall security fence around the perimeter of the site, which fence requires certain variations since the maximum allowable fence height is six feet tall. The petitioner has also proposed screening around the generators, transformers, and AC units, which screening does not comply with the fence regulations. Finally, the proposed guard houses, driveway widths, and AC units also require certain variations as will be outlined below. In order to justify these variations, the petitioner has provided a written response to each of the four hardship criteria necessary for variation approval, which has been included in the packet provided to the Plan Commission. For reference, the criteria for variation approval has been summarized 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.**
- **The variance requested is the minimum variance necessary to allow reasonable use of the property.**

The Comprehensive Plan classifies this property as appropriate for “R&D, Manufacturing and Warehousing” uses. As office uses are a permitted use within the M-1 District, the proposed use is compatible with the Comprehensive Plan.

Building and Site:

The most recent PUD amendment, which was approved in 2015, allowed demolition of the northern portion of the 1501 W. Shure Drive building. However, the exterior in this area was left partially unfinished. A condition of the 2015 approval required that within three years, a finished façade be installed along this portion of the building. A permit for this work has already been submitted (which also included a small vestibule on the western elevation of the building) and zoning approval of this permit has been granted. Other than the interior build-out work and the completion of the façade, there are no other changes proposed to the structure. The interior build-out will be required to comply with all applicable building codes.

Fence Variations:

The proposed eight-foot tall security fence, 17.3 foot tall screen walls to screen the generators, eight-foot tall fence to screen the AC units, and a six-foot tall fence to screen the gas meter all require variations from the fence regulations as outlined below.

- **Variation to Chapter 28, Section 6.13-3a, Front Yard, to allow a 8’ tall open fence with sharp points, a 17.3’ tall solid fence enclosing a mechanical unit, 8’ tall chainlink fence enclosing a transformer, and a 6’ tall solid fence enclosing certain gas meters, all in a front yard.**
- **Variation to Chapter 28, Section 6.13-3b, Side and Rear Yards, to allow a 8’ tall open fence in a side yard and a 8’ tall solid fence in a side yard.**
- **Variation to Chapter 28, Section 6.13-3b.2, Corner Lot, to allow an 8-foot tall open fence, 8’ tall chainlink fence enclosing a transformer, and a 17.3’ tall solid fence enclosing a mechanical unit, all in a rear yard.**
- **Variation to Chapter 28, Section 6.13-3c.1, Exterior Side Yards, to allow an 8-foot tall open fence in an exterior side yard.**
- **Variation to Chapter 28, Section 6.13-2f, Materials and Type of Construction, to allow slatted chainlink fencing.**

Staff concurs with the petitioner that the necessary criteria for variation approval has been met and notes that the perimeter security fence will be screened with landscaping and will be constructed as a picket style fence with a decorative black finish rather than a standard chainlink security fence with barbed wire at the top. Relative to the AC unit and mechanical unit screens, this fencing will be located away from the right-of-way and is not adjacent to any residential areas where its height would potentially be more intrusive. As this fencing will screen large mechanical units, the increase in height above the code allowed six-foot maximum is necessary to provide for complete screening of these units. Furthermore, these screen walls will be constructed of masonry material and painted to match the building. Finally, the petitioner is proposing eight-foot tall chainlink fencing as a screen around their transformers on the north and south sides of the building. Since slatted chainlink fences are prohibited unless they enclose a garbage dumpster, a variations is necessary. The proposed use of the slatted fence is limited and the locations are abutting the building and away from public right-of-ways. Staff is supportive of all fence variations.

AC Condenser Unit Variation:

The petitioner has proposed new AC units along the eastern side of the building, which units will be located within an enclosure area screened by an eight-foot tall CMU masonry wall painted to match the building.

Zoning regulations require that all AC units be setback a minimum of 10% of the total lot width from any side yard property line. Given that the width of the lot is quite large (974'), a 97.4' setback is required. Since the proposed units are located 8.5' from the eastern side yard lot line, the following variation is required:

- **Variation to Chapter 28, Section 6.6-5.1, Table of Permitted Obstructions, to allow Central Air Conditioning Units to be setback 8.5 feet from a side property line where code requires a 97.4' setback.**

Staff is supportive of this variations for several reasons; 1) the subject property fronts on three streets and the proposed AC unit location is on the only side of the lot that does not front a street, 2) the proposed units are screened with a solid wall, and 3) the units do not directly abut another structure (they are adjacent to a parking area and over 100 feet away from the nearest building), and the closest building is a non-residential office building.

Accessory Structure Variation:

The zoning code places a restriction on the maximum number of accessory structures that can be placed on a lot, which is determined by the size of that lot. Based on these regulations, the subject property is restricted to a maximum of four accessory structures. As the petitioner is proposing the addition of three guard houses, and the property already has two existing accessory structures on the site (three-car detached garage and accessory storage building), a variation is required. Additionally, accessory structures are restricted to a rear yard only, and the proposed guard house along Shure Drive requires a variation as it is located in the front yard:

- **Variation to Chapter 28, Section 6.5-2, to allow certain accessory structures (guard houses) within a front yard and to allow five accessory structures on the subject property where only four are allowed.**

Staff is supportive of this variation for several reasons; 1) the subject property is large enough to accommodate five accessory structures without becoming cluttered with accessory buildings, 2) the guard houses are small structures (32 square feet) and are the minimum size necessary to provide for security while also limiting visual impact, and 3) given the proposed use of the site, the guard houses facilitate necessary security of the property.

Driveway Width Variation:

Driveway entrances are restricted to a maximum width of 36 feet by the zoning code. The petitioner has proposed certain driveway entrances at approximately 77' in width and therefore the following variation is required:

- **Variation to Chapter 28, Section 10.2-9, Access, to allow certain driveway entrances in excess of the maximum allowable driveway width of 36'.**

Staff is supportive of this variation since the increased width is necessary to accommodate for the security and guardhouse protocols by the tenant. The increased width allows the driveways to have one inbound lane of travel, one outbound lane of travel, and sufficient space for a vehicle to turn around via a secondary outbound lane of travel if said vehicle is denied entry at the guardhouse.

Finally, staff notes that Fire Department has identified certain potential pinch points within the proposed parking lot where the turning radius of a fire truck may have conflicts. Therefore, staff is recommending a conditions of approval that requires the petitioner to work with the Village to address concerns raised by the Fire Department relative to fire truck turning.

Landscaping:

Improvements to the site landscaping will be made in conjunction with the alterations to the parking lot and site access. The petitioner's landscape plans are code compliant with the exception to certain landscape islands that are missing the required shade tree. Specifically, islands missing shade trees are located on the south end along Cellular Drive, on the north side of the center island of the Phase II parking area, and at the south end of the parking row along the west side of the site. A condition of approval has been recommended below, which requires the petitioner to add shade trees to all parking lot landscape islands where they are missing.

Parking and Traffic:

Per Chapter 28, Section 6.12-1(2)a, the petitioner is required to provide a traffic and parking study by a certified traffic engineer that assesses access (location, design, and Level of Service), on-site circulation, trip generation and distribution, parking, and impacts to public streets. Relative to this requirement, the petitioner has requested the following variation:

- **A Variation from Chapter 28, Section 6.12-1, to waive the requirement for a traffic and parking study prepared by a qualified professional engineer.**

The petitioner has provided a written response to each of the four hardship criteria to justify said variation and staff concurs with the petitioner that the necessary criteria for variation approval has been met. Staff is supportive of this variation for several reasons; 1) each phase of development will exceed the required number of parking spaces, 2) approximately 223,000 square feet of floor area has been demolished within the PUD over the last 5 years, and 3) a previous condition of approval requires that should parking within the PUD become a problem at any point in the future, the petitioner must develop a plan to address the problem upon the request of the Village.

Parking calculations for each phase of the development are summarized below:

Address	Phase	Use	Square Feet	Parking Ratio	Parking Required	Parking Provided
1501 W. Shure Drive	Phase I	Office	127,047	1 per 300 Sq. Ft.	423	559
	Phase II	Office	68,253	1 per 300 Sq. Ft.	228	342
TOTAL SQUARE FOOTAGE			195,300	PARKING TOTALS	651	898*
OVERALL SURPLUS / (DEFICIT)					247	

*Takes into consideration the removal of 3 spaces within the Phase I parking lot as necessary to provide access to the Phase II parking area

As shown in the table above, occupancy of the Phase II portion of the building without the concurrent construction of the Phase II parking would result in a parking deficit on the site. As a condition of approval, staff recommends that build-out and occupancy of the 68,253 square foot Phase II area must occur simultaneous to construction of the Phase II parking area.

Compliance with bicycle parking regulations is only required in instances of new construction or when a change in use results in the requirement for additional off-street parking spaces. As neither of these scenarios has occurred, no bicycle parking spaces are required.

RECOMMENDATION

The Staff Development Committee reviewed the proposed amendment to PUD ordinances 88-60, 15-016, and 15-040 to allow certain modifications to the approved development plan, as well as certain variations to Chapter 28 of the Municipal code as outlined in **Appendix I**, and recommends approval of the application subject to the following conditions:

1. Build-out and occupancy of the 68,253 square foot Phase II area must occur simultaneous to construction of the Phase II parking area.
2. Prior to building permit issuance, the petitioner shall work with the Village to revise areas within the parking lots where fire truck turning may be difficult, to the satisfaction of the Fire Department.
3. Shade trees shall be added to the islands located on the south end of the site along Cellular Drive, the north side of the the center island of the Phase II parking area, and at the south end of the parking row along the west side of the site.
4. The petitioner shall comply with all Federal, State, and Village Codes, Regulations, and Policies.

_____, August 23, 2019

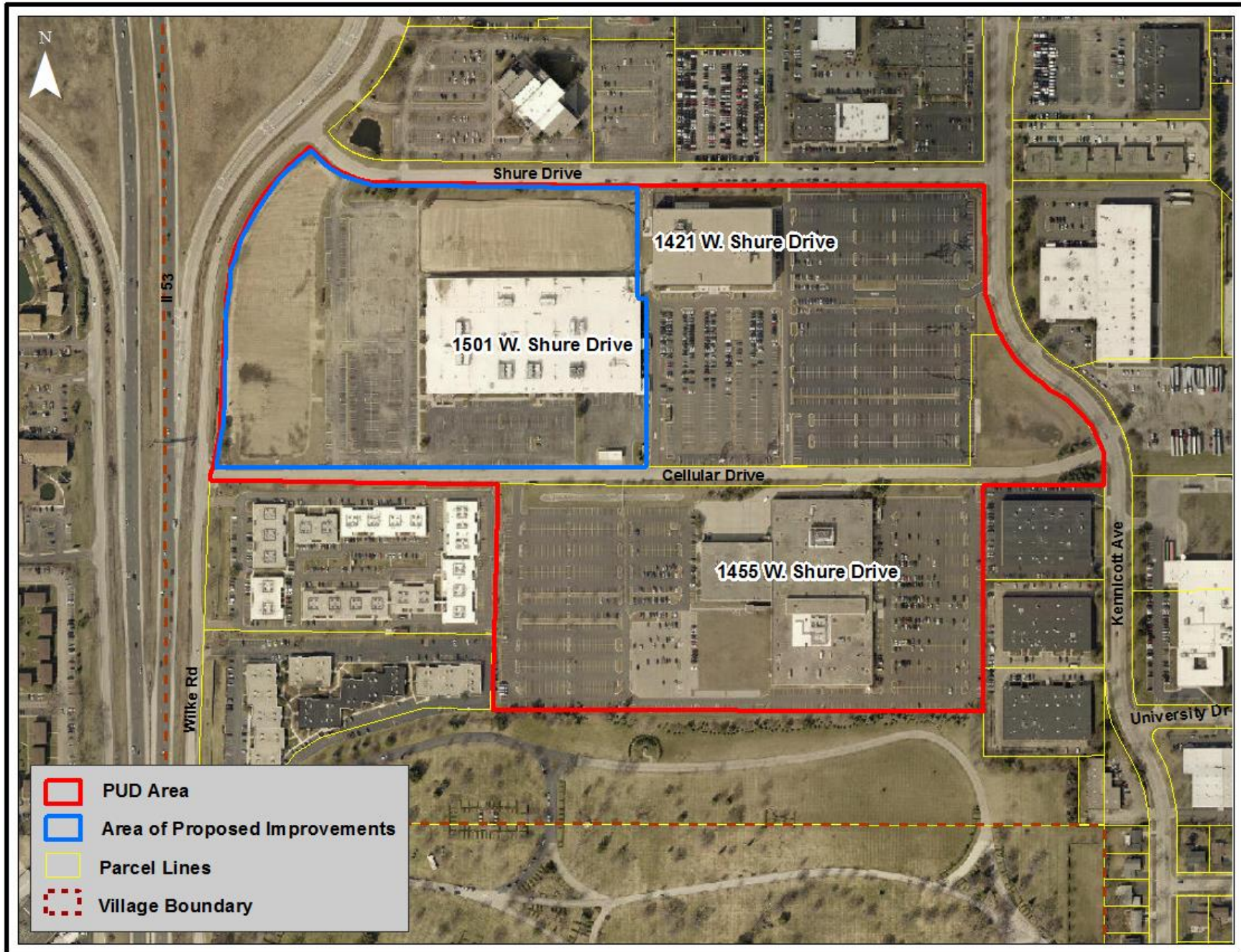
Bill Enright, Deputy Director of Planning and Community Development

Cc: Randy Recklaus, Village Manager
All Department Heads

Appendix I – Requested Variations

1. Variation to Chapter 28, Section 6.13-3a, Front Yard, to allow a 8' tall open fence with sharp points, a 17.3' tall solid fence enclosing a mechanical unit, 8' tall chainlink fence enclosing a transformer, and a 6' tall solid fence enclosing certain gas meters, all in a front yard.
2. Variation to Chapter 28, Section 6.13-3b, Side and Rear Yards, to allow a 8' tall open fence in a side yard and a 8' tall solid fence in a side yard.
3. Variation to Chapter 28, Section 6.13-3b.2, Corner Lot, to allow an 8-foot tall open fence, 8' tall chainlink fence enclosing a transformer, and a 17.3' tall solid fence enclosing a mechanical unit, all in a rear yard.
4. Variation to Chapter 28, Section 6.13-3c.1, Exterior Side Yards, to allow an 8-foot tall open fence in an exterior side yard.
5. Variation to Chapter 28, Section 6.13-2f, Materials and Type of Construction, to allow slatted chainlink fencing.
6. Variation to Chapter 28, Section 6.12-1, to waive the requirement for a traffic and parking study prepared by a qualified professional engineer.
7. Variation to Chapter 28, Section 6.6-5.1, Table of Permitted Obstructions, to allow Central Air Conditioning Units to be setback 8.5 feet from a side property line where code requires a 97.4' setback.
8. Variation to Chapter 28, Section 6.5-2, to allow certain accessory structures (guard houses) within a front yard and to allow five accessory structures on the subject property where only four are allowed.
9. Variation to Chapter 28, Section 10.2-9, Access, to allow certain driveway entrances in excess of the maximum allowable driveway width of 36'.

Appendix II – PUD Map



PLAN

REPORT OF THE PROCEEDINGS OF A PUBLIC HEARING
 BEFORE THE VILLAGE OF ARLINGTON HEIGHTS
 PLAN COMMISSION

COMMISSION

RE: NORTHWEST CROSSINGS - 1501 WEST SHURE DRIVE - PC# 19-011
 PUD AMENDMENT, VARIATIONS

REPORT OF PROCEEDINGS had before the Village of
 Arlington Heights Plan Commission Meeting taken at the Arlington Heights Village
 Hall, 33 South Arlington Heights Road, 3rd Floor Board Room, Arlington Heights,
 Illinois on the 28th day of August, 2019 at the hour of 8:02 p.m.

MEMBERS PRESENT:

TERRY ENNES, Chairman
 LYNN JENSEN
 MARY JO WARSKOW
 JOE LORENZINI
 BRUCE GREEN
 GEORGE DROST
 SUSAN DAWSON
 JOHN SIGALOS

ALSO PRESENT:

SAM HUBBARD, Development Planner

CHAIRMAN ENNES: Our next hearing is Northwest Crossings, Petition No. 19-011. Is the Petitioner here? I'll take that as a yes.

MR. BAUER: Yes, sorry. I assumed that you wanted me to identify myself.

CHAIRMAN ENNES: Yes, that's fine, I know. Welcome. Would you please state your name and spell it for the court reporter?

MR. BAUER: Good evening. My name is Steve Bauer, last name is spelled B-a-u-e-r. By the way, I'll just mention that I have reviewed the Staff proposed conditions of approval and find them agreeable with the exception of one modification which I've already confirmed with Staff about. I'll explain that in great detail as part of my presentation.

CHAIRMAN ENNES: Okay, Steve. Go ahead with your presentation.

MR. BAUER: Thank you. So, Mr. Chairman and members of the Commission, as I said, my name is Steve Bauer. I'm an attorney with Meltzer, Purtill and Stelle. I'm here this evening on behalf of TNC Lot 1, LLC, which is the owner of 1501 West Shure Drive, which is the, or I should say a portion of the former Motorola campus located at the southeast corner of Shure and Wilke. For those of you who were on the Plan Commission a few years ago, you may recognize this image as being reflective of some of the relief and associated approvals that were sought and granted in 2015 for the property located at 1501 and 1421 West Shure Drive.

As I said, the property is located at the southeast corner of Shure and Wilke, again referencing the 1501 property and the 1421 which you can see on the upper portion of the bounded area. The subject property for tonight's discussion is the 1501 property. Overall, however, the PUD in which the 1501 property is located is approximately 64 acres. The property that's bounded in blue, however, which again is the subject property for discussion this evening is approximately 22 acres. As you can see, the 1421 property is to the immediate east. The reason I keep mentioning the 1421 property is because like the requests that were before the Commission in 2015, the requests now before you this evening for the 1501 property are very similar in that they are entirely driven by tenant requirements.

Quickly looking at the, this is a plat of subdivision, but generally speaking for survey purposes, quickly looking at the overall 1421 and 1501 property, you can see that the 1501 property is located on the west portion of the site. It's identified as Lot 1 in the Northwest Crossings subdivision. I'm showing you this slide primarily for purposes of showing you improvements or what were existing improvements in 2015 when this plat was approved. You can kind of see, although it's a little faint, on the Lot 1/1501 property sort of a square-shaped building. It is a building in the northeastern corner of the property. That was, at the time, an approximately 430,000 square-foot building which, as part of the 2015 amendments, was reduced in size by eliminating roughly 225,000 square feet of the northernmost portion of that building which then resulted in a building of 195,300 square feet as identified in the slide, and then 802 parking spaces located to the immediate west and to the immediate south of that building.

As I mentioned, the 1501 property is the sole subject of the request tonight. Since the 2015 approvals were sought and granted, this building has sat idle, not occupied. However, the property owner now has a confidential tenant, and I mean that respectfully and I can explain to whatever extent you desire, for this property which is seeking certain modifications to the site which are generally depicted here, the most significant of which pertaining to parking lot modifications which as you can see to some extent from the grayed

areas include parking lot, drive aisle modifications, widening, apron or curb cut widening, and then associated circulation lanes.

The proposed parking lot modifications are proposed in two phases. Phase I consists of 559 total spaces which is a reduction from the 802 spaces that were approved as part of the 2015 PUD amendments. That 802-space, or that reduction from 802 spaces is a product of the grayed areas that you see where additional circulation routes are added which are a means of ensuring security in conjunction with guard houses and security fencing that's proposed which I'll explain to some greater extent.

The proposed use for the property is a backup network operation center and a business resumption training suite. These types of modifications that you see here are proposed as part of applicable federal regulation. So, moving then to phase II, if the tenant occupies the entire portion of the building, there would be an additional 342 spaces constructed. Those would all be located on the north side of the building, for a total of 898 spaces, inclusive of the loss of three spaces from the phase I parking necessary to connect the phase I parking area and the phase II parking area.

As part of the tenant's requested modifications, as I said, there are parking lot changes as well as fencing and mechanical equipment variations, accessory structure variations in the way of the proposed guard houses, driveway width variations to facilitate those parking lot modifications, all of which are again sought as part of the tenant's specific requirements for the site in accordance with federal regulation and security protocol. The most significant of those requests, as I said before, really pertain to parking lot modifications and fencing or screening to some extent.

So, with that in mind, this slide identifies the proposed areas for some sort of fencing or screening. In particular, there is an eight-foot tall security, open security fence that's proposed around the perimeter of the site. Thanks, Sam. As Sam is indicating, it's proposed to entirely envelope the site for security purposes. Second is an eight-foot tall chainlink fence with slats to secure and to some extent obscure transformers that are proposed on both the north and south sides of the site shown in blue. A 17-foot four-inch tall CMU or concrete masonry unit cinder block screen wall to secure generators that are proposed are on both the north and south sides of the site shown in green; a six-foot tall CMU screen wall to secure, northeast corner I think, yes, to secure the gas meters that are proposed for the building; and then lastly, a six-foot tall and an eight-foot tall CMU screen wall on both the south and east facades of the building, respectively, for the purposes of securing AC condensing units.

This slide shows images of the proposed fencing with the exception of the CMU walls. The CMU walls are quite simple, as many of you may be familiar with, cinder block type construction methods. What's important to note specifically about those walls is that they will be painted with a color to match the building so that the walls don't appear as afterthoughts or appendages to the building that are out of line with the building's architecture. The image on the left is the proposed perimeter security fence which, as you can see, is quite tastefully designed by contrast to, for example, the traditional chainlink fence with barbed wire on the top. The image on the right is the proposed kind of chainlink fencing with slats for the transformer enclosures that I mentioned, which again are the areas shown in blue on this slide.

I want to mention that with respect to the chainlink fencing and slats for the transformers, we learned through the project electrical engineer's communications with IDOT, that IDOT really doesn't want their transformers to be obscured in any respect. So, while

they're okay with fencing, they're generally not agreeable to any type of opacity that would preclude the ability to, you know, plainly view the transformers. However, they have agreed that the slat type material proposed and shown in this image is acceptable for purposes of aesthetics.

As I said, we have reviewed the proposed conditions of approval. We are in agreement with them with one clarification, which again we've worked with Staff to confirm as acceptable at least from the Staff perspective. That pertains specifically to condition number three which is concerning landscaping. So, what this slide depicts is that the Applicant is agreeable to installing 13 additional shade trees within the parking lot landscape islands in the areas that are shown with green circles on this image, so hopefully you can find those if I describe them in a little further detail. I'm speaking specifically about the four north of the building, the two on the west side of the building, and then the seven on the south side of the building.

I will mention that there are two locations where shade trees would otherwise be required by code in parking lot islands but cannot be constructed, or rather installed at those locations as a consequence of impervious surface improvements that are proposed, specifically sidewalks. Those are depicted in the areas shown with a red circle with the X. As a result, that necessitates an additional variation which is contemplated by the plain language or general language of the notice of public hearing.

So, that's all that I have, but I'm happy to take any questions you may have of me.

CHAIRMAN ENNES: That's it for the time being. Why don't you please have a seat while we hear the Staff report?

MR. HUBBARD: Yes. Thank you, Chairman Ennes. So, as you've heard -- sorry, I have a little trouble with the computer here.

As you've heard, the subject property is located at 1455, 1421 and 1501 West Shure Drive. That property is zoned in the M-1 Research Development and Light Manufacturing District. The proposed use at the 1501 West Shure Drive building falls under the envelope of an office and that's a permitted use in the M-1 district. So, the proposed use is compliant with the existing zoning as well as the Comprehensive Plan.

Due to the proposed site changes, an amendment is needed to the original PUD ordinance that granted the three-building campus which was the former home to Motorola. That original ordinance has been amended several times over the years, most recently in 2015 to allow a subdivision, and then again in 2015 to allow demolition of a portion of the 1501 West Shure Drive building.

As per the request, multiple variations are required as outlined in the Staff report. Due to recent conversations with the Petitioner that took place this week, we've identified the need for another variation that is not included in the Staff report. That's the variation to the landscape island shade trees, as you heard the Petitioner allude to in his presentation. Sorry, I'm having some problems here with the slide show.

The Petitioner has appeared in front of the Conceptual Plan Review Committee last month on July 24th. They did receive positive feedback and have moved forward with their application for the proposed changes to allow the confidential tenant to locate in the 1501 building. Here is just another overview of the site. You can see the two buildings, 1421 and 1455 not outlined in blue, and then the blue outline shows the 1501 West Shure Drive

building. The red outline shows the overall PUD.

Here is an aerial of the subject property as it exists today. I'm going to overlay the proposed changes here so you can see the multiple changes to the parking lot on the south side to allow for the three new entries, gated entries and guard houses, and then the relocation of the drive aisle on the north side, and then the addition of the parking area north of the building. So, generally speaking, the area outlined in red is what's considered the phase I work, and the second parking area is what's contemplated during phase II.

So, again here is the site plan and I want to go quickly through the requested variations. First, we have the perimeter fence that's proposed at eight-foot tall with sharp points that requires a variation. Then you have the eight-foot tall chainlink fence that encloses the two transformers, and said fence includes slats which also requires a variation. Then we have the fencing of the generator, and also on the north side and the south side of the building which I don't believe is highlighted. We have the eight-foot tall screen of the mechanical units on the east side of the building, and also the mechanical units there require a variation due to location. We have the variation for the guard houses in the green, and for the drive aisle width in red also shown at the bottom of the screen, or not shown is highlighting rather, the two drive aisles at the bottom.

I would mention that during the Fire Department review of this, they found that there were some pinch points in the entry for fire truck turning purposes, and they have asked the Petitioner to make some changes. The Petitioner has shown, I believe, that they can make these changes, and then there were some concerns about the turning in the phase II parking area. We're currently working with the Petitioner to make some changes as requested by the Fire Department for turning into the phase II area.

Due to recent analysis of the landscape plans, we identified the need for two variations, here you can see in the red circle, where landscape island shade trees would be required, but shade trees are not feasible in these locations due to the transformer and the building entrance. Staff is amenable to the variation request to waive the requirement for the shade trees in those two locations.

Here you can see the floor plan for the build-out, it's a little bit difficult to see. Basically, everything that's hatched in gray is what's considered phase I. The phase II area will remain unbuilt, and that's the area shaded in orange.

Relative to parking, the phase I area includes roughly 127 square feet -- I'm sorry, the buildout of 127,000 square feet of floor area, as well as an improved parking area, and the phase I build out will require 423 parking spaces. The phase I parking lot change would yield 559 spaces, so more parking provided than required by code which is great. However, if the phase II build-out were to occur, that would require 228 parking spaces in addition to the phase I parking. That would be a total of 651 parking spaces required. Without that phase II parking build-out, there would only be 559 spaces provided which would be a deficit to code requirements. So, Staff has recommended a condition of approval that build-out and occupancy of the 68,253 square-foot phase II area is to occur simultaneous to construction of the phase II parking area.

Just to clarify that condition, the intent is not to require the opposite to also be true, i.e., that construction of the phase II parking area is required to occur at the same time as the build-out and occupancy of the phase II area. So, basically, what that's saying is that there is no outright prohibition of the phase II parking area from being constructed prior to

the build-out and occupancy of the phase II floor area if, for example, there was a need for that parking to be constructed without the actual build-out of the phase II area. That's fine and that could occur in compliance with this condition. There may be some questions if that were the case being, you know, why is there such a surplus of parking needed relative to code requirements. But as long as it's justified, there is nothing in the specific language of the condition that would prohibit the build-out of that phase II parking area without also build-out and occupancy of the phase II floor area.

The Petitioner has requested a variation to waive the parking and traffic study because of the surplus of parking relative to code requirements. We are supportive of that variation. I would note that there has been an overall reduction of over 200,000 square feet in this three-building campus over the years. So, there's a lot less traffic demand based on the lower square footage, and so we're supportive of waiving the requirement for a traffic study.

Finally, we are recommending approval of the application subject to four conditions. I would note that we've changed condition three based on recent conversations and the addition of certain missing shade trees and the variation to waive the shade tree requirement in two locations. The motion sheet in front of the Plan Commission this evening is reflective of the additional variation needed to waive the requirement for the shade trees. It's also reflective of the change in language for condition number three relative to adding the missing shade trees.

Finally, I would note, as the Petitioner was going through their presentation this evening, variation three actually needs a slight adjustment to accommodate for an eight-foot tall solid screen outside of the generator area at the south of the building. So, that would read a variation to Chapter 28, this is, I'm sorry, this is variation number three. Variation to Chapter 28, Section 6.13-3B.2, *Corner Lot*, to allow an eight-foot tall open and solid fence, that's the change that is needed to accommodate for the variation to allow that solid fence. So, I apologize for the last minute clarifications here, but Staff believes that all the necessary criteria for variation approval has been met and we are supportive of the application subject to the four conditions.

CHAIRMAN ENNES: Sam, just one quick question before we vote on your report. The Petitioner had indicated that there was one of the conditions, I don't know if it's a condition and/or a variation, is that this number three?

MR. HUBBARD: Yes.

CHAIRMAN ENNES: So, this clarifies it with the open and closed fence around the electrical unit there?

MR. HUBBARD: Yes, and I would add, too, I'm sorry to interrupt. I would add that all public notices have been made for this application.

CHAIRMAN ENNES: Thank you. Can we have a motion for approval of the Staff report?

COMMISSIONER GREEN: I'll make that motion.

CHAIRMAN ENNES: Second?

COMMISSIONER JENSEN: Second.

CHAIRMAN ENNES: And a second. All in favor?

(Chorus of ayes.)

CHAIRMAN ENNES: Anyone opposed?

(No response.)

CHAIRMAN ENNES: Okay, thank you. Commissioners?

COMMISSIONER JENSEN: Yes, I have a question. First of all, I want to commend both the Petitioner and Staff on their presentations. I found it especially very helpful to have the visual representations of the variations since there are so many of them. I thought it was very useful, made it a lot easier to understand what was being requested.

Going to your recommendations and the first condition, it seems to state it in the opposite of what you said in your remarks. It seems to say in that first condition that you can't build out the, that you have to build out the building simultaneous with the parking space. But you said the parking space in phase II could be built out earlier than the building. So, I think this wording needs to be adjusted.

MR. HUBBARD: Sure. Yes, I've had the same conversation with the Petitioner. I thought it was clear. I'm realizing that maybe it's not as clear as I had hoped. What's common is that the Village attorney will massage the language in the conditions of the actual ordinance to make it clearer. I believe we've adequately illustrated the intent this evening. So, rather than wordsmith it tonight, I will just leave it up to the Village attorney.

COMMISSIONER JENSEN: Right. So, the sense of it is you can build out the phase II parking area whenever you want to, but you can't build out the building unless you had built out the parking space in phase II as I understand that.

MR. HUBBARD: Exactly.

COMMISSIONER JENSEN: Yes, so whatever works, but I think you need to do it, I think that needs to be changed. I think it's a great project. I have no problems.

CHAIRMAN ENNES: Good catch, Commissioner Jensen. Commissioner Warskow?

COMMISSIONER WARSKOW: I don't have any questions, thank you.

COMMISSIONER LORENZINI: No questions.

CHAIRMAN ENNES: No questions, okay.

COMMISSIONER GREEN: My only question is did you mention a 17-foot tall CMU block? And I think you said a four-inch CMU block?

MR. BAUER: Well, I hope, sorry, were you done with your question?

COMMISSIONER GREEN: Just as an architect, I'm saying a 17-foot, four-inch wide concrete block wall, you better have your engineer look at that. That's all, and I'm an architect.

MR. BAUER: Sure, I appreciate that.

COMMISSIONER GREEN: You said four-inch block and I'm whoa.

MR. BAUER: No, I think what I said, I hope what I said was 17-foot four-inch. So, 17 feet and four-inch tall wall.

COMMISSIONER GREEN: Oh, okay, I understand. Some had good catches, some had bad. I have no problem. I think it's a great project.

MR. BAUER: Thank you.

CHAIRMAN ENNES: John?

COMMISSIONER SIGALOS: Can we go to that slide that shows the parking? There it is. It seems like we have a significant abundance of parking stalls, if you look at either with the phase I or phase II, and certainly with the combined phases. We have too many surpluses. Is that necessary? Why are we building all those parking stalls? Are we not better to have more green space? Even if it's needed later to add to the parking lots.

MR. BAUER: I appreciate, you're saying add it later as opposed to doing it in two phases with the second phase?

COMMISSIONER SIGALOS: No, but I'm saying as opposed to, I mean this is like an awful lot of additional surplus of parking stalls that may not be required. That's a lot of impervious surface.

MR. BAUER: Sure, I appreciate the question because honestly I had the same question for this particular tenant. The response is it's a product of the difference between what the Village code contemplates on a per square foot basis for parking and what this tenant contemplates by the way of employee density. So, to say that differently, this tenant contemplates a higher employee density in the building than what the code contemplates exactly.

COMMISSIONER SIGALOS: That answered my question.

MR. BAUER: Thank you.

COMMISSIONER SIGALOS: No, I have no further questions. I think it's great, I'm glad to see this being developed.

CHAIRMAN ENNES: Commissioner Dawson?

COMMISSIONER DAWSON: Just kind of along those lines, is this currently impervious surface where you knock down part of the building? It looks like it's dirt but is that what it is?

MR. BAUER: Where the 220,000 square-foot portion of the building was knocked down on the north side?

COMMISSIONER DAWSON: Right, where you're going to be putting the, like I can't --

MR. BAUER: It's currently soil, right. Unfinished soil.

COMMISSIONER DAWSON: It is, okay. I just, I saw it in gray and couldn't tell if it was all completely soil. Are you going to be leaving it in that condition until potentially putting the parking there?

MR. BAUER: No. Not only will it be finished, you know, with turf, but in addition there will be landscaping around the perimeter of the parking lot in accordance with Village code.

COMMISSIONER DAWSON: Okay, so we'll have some green space then. No further questions, but I did just also want to comment that, just like Commissioner Jensen did, that the detail of the presentation and showing, breaking down all the variations and showing all the information is really what leads to not having so many questions. It was a very thorough, well done presentation. Thank you.

MR. BAUER: Thank you, although I wish I had Sam's PowerPoint skills with respect to the slide images.

COMMISSIONER DAWSON: Yes, he's really good at that.

MR. BAUER: He is.

CHAIRMAN ENNES: Commissioner Drost?

COMMISSIONER DROST: Yes, I concur with that. One question, do we know who the occupant is? As far as this kind of, you know --

MR. BAUER: I do, and I will gladly share that with you off camera and not publicly.

COMMISSIONER DROST: Okay, I was just curious with the kind of --

MR. BAUER: The secrecy associated with it?

COMMISSIONER DAWSON: We're not on camera.

COMMISSIONER DROST: Yes, I just want to make sure we're going to be safe enough.

COMMISSIONER DAWSON: We're not on camera though, but it's in the minutes. There's no camera here.

MR. BAUER: I can tell you, oh, right, minutes, whatever. Out of the public context is what I'm trying to say.

COMMISSIONER DAWSON: Got it. Yes, sure.

MR. BAUER: But I can tell you it's not, like for example, a recreational marijuana dispensary or something like that.

COMMISSIONER DROST: I'll just leave it at that.

COMMISSIONER JENSEN: It could be a government agency.

CHAIRMAN ENNES: Along that same question, this was a question I had is if we don't know what the real use is, how do you approve this with the zoning which is hard. My real question would be somebody in the Village knows what the use is?

MR. BAUER: Yes. So, I'm glad you said that. Staff is well aware of the proposed user which, by the way, is an office type user. So, this building, despite the security characteristics of the project as proposed, will operate much like a typical office space with computer monitors and, you know, the same types of things you would otherwise expect in a class A office building.

CHAIRMAN ENNES: Did you initially comment that that usage is, it's going to be bringing something?

MR. BAUER: No, I don't think I said that. It will be, I'm trying to think of what I can say to hopefully address your question without disclosing the type of operation. It will be something that we all rely upon without necessarily even having knowledge of it in conjunction with -- I probably can't say that.

COMMISSIONER DROST: It's not a McDonald's.

MR. BAUER: Yes. You know, it's funny that you say that because I was going to stand up and say pun intended that this project is not nearly as appetizing as the last project. But at least I've gotten your attention.

COMMISSIONER DAWSON: Ah, look at that.

CHAIRMAN ENNES: Okay, well, you've been beating around the bush here, but as long as somebody within the Village understands what the usage is, then we're good with that. Because we're approving the changes, that doesn't mean somebody is going to get a business license to get in there unless somebody knows and is satisfied with that.

MR. HUBBARD: Correct.

CHAIRMAN ENNES: With that, can we have a motion?

MR. HUBBARD: Is there any questions from the public.

CHAIRMAN ENNES: I should say, yes, we have one person in the back of the room who is listening and writing. Do you have any comments?

AUDIENCE MEMBER: No.

CHAIRMAN ENNES: No, okay. I'll close the public portion. Do we have a motion to approve?

COMMISSIONER GREEN: I would like to make that motion.

A motion to recommend to the Village Board of Trustees approval of PC# 19-011, an Amendment to PUD Ordinances 88-60, 15-016, and 15-040 to allow certain modifications to the approved development plan, and the following variations:

1. Variation to Chapter 28, Section 6.13-3A, *Front Yard*, to allow an eight-foot tall open fence with sharp points, a 17.3-foot tall solid fence enclosing a mechanical unit, an eight-foot tall chainlink fence enclosing a transformer, and a six-foot tall solid fence enclosing certain gas meters, all in a front yard.
2. Variation to Chapter 28, Section 6.13-3B, *Side and Rear Yards*, to allow an eight-foot tall open fence in a side yard and an eight-foot tall solid fence in a side yard.
3. Variation to Chapter 28, Section 6.13-3B.2, *Corner Lot*, to allow an eight-foot tall open and solid fence, an eight-foot tall chainlink fence enclosing a transformer, and a 17.3-foot tall solid fence enclosing a mechanical unit, all in a rear yard.
4. Variation to Chapter 28, Section 6.13-3C.1, *Exterior Side Yards*, to allow an eight-foot tall open fence in an exterior side yard.
5. Variation to Chapter 28, Section 6.13-2F, *Materials and Type of Construction*, to allow slatted chainlink fencing.
6. Variation to Chapter 28, Section 6.12-1, to waive the requirement for a traffic and parking study prepared by a qualified professional engineer.
7. Variation to Chapter 28, Section 6.6.-5.1, *Table of Permitted Obstructions*, to allow central air conditioning units to be set back 8.5 feet from a side property line where code requires a 97.4-foot setback.
8. Variation to Chapter 28, Section 6.5-2, to allow certain accessory structures (guard houses) within a front yard and to allow five accessory structures on the subject property where only four are allowed.
9. Variation to Chapter 28, Section 10.2-9, *Access*, to allow certain driveway entrances in excess of the maximum allowable driveway width of 36 feet.
10. Variation to Chapter 28, Section 6.15-1.2B, *New Landscape Requirements*, to waive the requirement for shade trees in certain landscape islands on the subject property.

This recommendation shall be subject to the following conditions:

1. Build-out and occupancy of the 68,253 square-foot phase II area must occur simultaneous to construction of the phase II parking area.
2. Prior to building permit issuance, the Petitioner shall work with the Village to revise areas within the parking lots where fire truck turning may be difficult, to the satisfaction of the Fire Department.
3. The Petitioner shall add all missing shade trees to the landscape islands on the subject property, except for the island on the south of the building adjacent to the building entrance and the island on the north side of the building adjacent to the transformer.
4. The Petitioner shall comply with all federal, state, and Village codes, regulations, and policies.

CHAIRMAN ENNES: Is there a second?

COMMISSIONER JENSEN: I'll second.

CHAIRMAN ENNES: Roll call vote.

MR. HUBBARD: Commissioner Dawson.

COMMISSIONER DAWSON: Yes.

MR. HUBBARD: Commissioner Drost.

COMMISSIONER DROST: Aye.

MR. HUBBARD: Commissioner Jensen.

COMMISSIONER JENSEN: Yes.

MR. HUBBARD: Commissioner Lorenzini.

COMMISSIONER LORENZINI: Yes.

MR. HUBBARD: Commissioner Warskow.

COMMISSIONER WARSKOW: Yes.

MR. HUBBARD: Chairman Ennes.

CHAIRMAN ENNES: Yes.

MR. HUBBARD: Commissioner Green.

COMMISSIONER GREEN: Yes.

MR. HUBBARD: Commissioner Sigalos.

COMMISSIONER SIGALOS: Yes.

CHAIRMAN ENNES: So, you have a 100 percent approval.

MR. BAUER: Thank you.

CHAIRMAN ENNES: We're rolling along tonight. Good luck with the project. Sooner or later we'll find out who's in it.

MR. BAUER: You will, although not without a little digging. There won't even be signage.

CHAIRMAN ENNES: Okay, so thank you.

COMMISSIONER DAWSON: I'll call Sam for information later because I think he knows. Look at that smile. Look at that smile over there.

MR. BAUER: Thanks again.

CHAIRMAN ENNES: Thank you.

(Whereupon, the above-mentioned petition was adjourned at 8:32 p.m.)

CHAIRMAN ENNES: We have one other item on the agenda, and that's our budget.

COMMISSIONER DAWSON: Yes, we're getting a pay cut, what's that all about?

COMMISSIONER DROST: Yes.

COMMISSIONER DAWSON: Did you read your memo? George. It worked in reverse there, George.

COMMISSIONER JENSEN: Yes, George, you've got to do a better negotiation.

COMMISSIONER DAWSON: George, you're always negotiating for raises for us.

COMMISSIONER DROST: I think it was Commissioner Jensen.

COMMISSIONER DAWSON: That's what it was.

COMMISSIONER DROST: Because he demanded that --

COMMISSIONER GREEN: The entire budget.

COMMISSIONER DAWSON: Right, when he noticed we weren't being paid timely.

COMMISSIONER DROST: That the finance department account for every meeting we attend.

COMMISSIONER GREEN: It doesn't make any difference. They don't pay us anyway.

COMMISSIONER WARSKOW: I agree with --

CHAIRMAN ENNES: So, actually a proposal for an increase to use up some of that surplus that's in every one of our budgets was submitted. From the looks of this, it was denied.

COMMISSIONER DAWSON: Well, we're getting a party instead which should be --

COMMISSIONER DROST: For a party.

CHAIRMAN ENNES: I know, yes. I did not, when did the memo come out?

COMMISSIONER DAWSON: This weekend, right?

MR. HUBBARD: Yes.

COMMISSIONER DAWSON: Yes, but that was just the survey results. The actual memo was just a few, like four or five pages. Yes, and then there was just all the survey results for the rest.

CHAIRMAN ENNES: So, if it didn't say -- on it this week, maybe the next one.

COMMISSIONER JENSEN: Well, I don't think we're going to have to take any action on that because that memo is at such odds with what you have in this budget.

MR. HUBBARD: We can move forward with the budget as proposed. The memo is just future plans. There is no guarantee that that would happen, so we'll move forward assuming that that won't happen. If it does, we can adjust.

COMMISSIONER JENSEN: So, if it does though, we'll be taking the 3400 line out all together, and I have always argued that you have to take note of photocopying since we don't photocopy much. So, you're going to have a very small budget.

COMMISSIONER WARSKOW: Have you seen this line here? There's photocopying.

MR. HUBBARD: I think that the intent of the new plan would be to have a lot more training, so whereas, you know, you guys may take a hundred percent pay cut, you know, that money and funds would be used for training.

COMMISSIONER DAWSON: Yes, I don't know that it's on the agenda so that we should be really fully talking about it. But to whatever end that people will be reading these minutes, I really appreciated that training being put in place. I mean I've, you know, been on the Commission long enough now I've finally figured it all out, not all of it, but I still learn everyday. But in the beginning, I had no idea what I was doing when you get up here, you know.

COMMISSIONER WARSKOW: About PUD and, yes, like --

COMMISSIONER DAWSON: Right. You do the best you can.

CHAIRMAN ENNES: But the training has been --

COMMISSIONER DAWSON: Not really, not back when I started.

COMMISSIONER WARSKOW: I had no training. I showed up.

CHAIRMAN ENNES: Okay, do you read any of the publications we get, I don't know if we still get those.

COMMISSIONER DROST: We don't.

CHAIRMAN ENNES: Okay, well, in those publications, there were courses and there were, and I submitted a request and it got approved.

COMMISSIONER DAWSON: You're a better Commissioner than I am.

CHAIRMAN ENNES: I mean it's, you know, to --

COMMISSIONER DAWSON: No, no, I'm not teasing you. I'm saying it genuinely.

CHAIRMAN ENNES: -- go to the schools and the associations that have programs and I found that that really helped.

COMMISSIONER DAWSON: I understood the commercial real estate aspect, special use, the zoning, all of that. But what I didn't have training on was my fiduciary obligations and how to make assessments on behalf of the Village in some of these decisions. That's really the learning I'm talking about, right? I think that's the piece that is important, because I came from housing. Yes, a lot of that. So, I thought that the memo was well, for me it was very well received. I thought it was all a good thought process.

COMMISSIONER JENSEN: I agree with you.

COMMISSIONER DAWSON: I'm taking a pay cut, you know, my \$15 a meeting is going away, I'm very upset. That's the only reason I come here.

COMMISSIONER JENSEN: I completely agree with Commissioner Dawson, because when I first came on the Commission, I thought, I made a comment on the size of offsets in the budget and other things, until I figured out that --

COMMISSIONER DAWSON: Right. Right.

CHAIRMAN ENNES: But also we have the increased cost in printing.

COMMISSIONER WARSKOW: To produce a copy.

CHAIRMAN ENNES: What we used to get --

COMMISSIONER JENSEN: They do --

CHAIRMAN ENNES: So, I don't think there's anything else that we have to say because we can submit it but we don't approve it. Apparently, I didn't solve it although I

heard about a lot of the changes.

COMMISSIONER JENSEN: Sam, what do we need to do with this exactly?

CHAIRMAN ENNES: We need to make a motion.

MR. HUBBARD: You just need to make a motion and you can do like a voice vote.

CHAIRMAN ENNES: So, if there's anybody who would like to make a motion to accept or not?

COMMISSIONER DAWSON: I'll make a motion to accept the budget.

CHAIRMAN ENNES: Is there a second?

COMMISSIONER WARSKOW: I'll second.

CHAIRMAN ENNES: Do we need a --

MR. HUBBARD: You can do a voice vote.

CHAIRMAN ENNES: -- roll call?

MR. HUBBARD: No, voice vote is fine.

CHAIRMAN ENNES: Okay, all in favor?

(Chorus of ayes.)

CHAIRMAN ENNES: Anybody opposed? Aye.

COMMISSIONER DAWSON: George?

COMMISSIONER DROST: Same, yes, I'll oppose.

MR. HUBBARD: Two opposed.

CHAIRMAN ENNES: Two opposed.

MR. HUBBARD: It's five in favor, motion passes.

COMMISSIONER DROST: It's a contentious item.

COMMISSIONER DAWSON: Very.

COMMISSIONER JENSEN: Can we know why you're opposed?

COMMISSIONER DROST: I guess, it's basically we need to improve our pay grade. That doesn't necessarily include it in the budget.

COMMISSIONER JENSEN: No, the raise is going to go the other direction, George.

COMMISSIONER DROST: Right, it's going to zero. I mean you can fight for those important emoluments of our office.

CHAIRMAN ENNES: And we have our fiduciary responsibilities.

COMMISSIONER DROST: We do.

COMMISSIONER WARSKOW: Like spring budget or something.

CHAIRMAN ENNES: Just filling out those reports from the Village and the county.

COMMISSIONER DROST: Yes. Correct.

CHAIRMAN ENNES: Disclosing all of our private and personal information. Anyways --

COMMISSIONER DROST: I have one comment before we adjourn, and that is I made a mistake. I was at the meeting on July 10th. In fact, I made the motion for the petition for Arlington Market, how is that? And I vote yes on the minutes.

COMMISSIONER DAWSON: Do we make a motion to adjourn? I'll make a motion to adjourn.

CHAIRMAN ENNES: Yes, please.

COMMISSIONER WARSKOW: I'll second.

CHAIRMAN ENNES: All in favor?

(Chorus of ayes.)

CHAIRMAN ENNES: This meeting is adjourned.

(Whereupon, the meeting was adjourned at 8:41 p.m.)

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Map created on July 19, 2019.

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**Responses to Standards of Review for Proposed Variations
Regarding Fencing Design and Location, Mechanical Equipment Screening and Location,
Obstructions in a Required Yard, Accessory Structures, Driveway Widths
and Parking and Traffic Analysis Submittal**

The Applicant, Torburn Partners, Inc. (“Torburn”), as sole Manager of TNC Lot 1, LLC (“TNC”), which is the owner of Lot 1 of Northwest Crossings and commonly known as 1501 W. Shure Drive (“Subject Property”) provides the following responses to the standards of review for proposed variations from (i) Sections 6.13-2(f), 6.13-3(a), 6.13(b) and 6.13(c) of *The 2002 Comprehensive Amendment of the Zoning Ordinance of the Village of Arlington Heights* (“Zoning Ordinance”) to allow installation of (a) an 8’-0” tall wrought-iron style security fence with decorative top points to be located around the perimeter of the existing and proposed improvements on the Subject Property and less than five feet from the south and east lot lines of the Subject Property, (b) a 17’-4” tall mechanical equipment (generator) screen wall to be located adjacent to the north and south façades of the Subject Building, (c) a 6’-0” tall mechanical equipment (gas meter) screen wall to be located adjacent to the north façade of the Subject Building and (d) an 8’-0” tall chain-link fence with slats as a mechanical equipment (transformer) screen to be located adjacent to the north and south façades of the Subject Building (collectively, “Fence Variations”), (ii) Sections 6.12 and 9.8(k) of the Zoning Ordinance to not provide a traffic study and parking analysis (“Traffic and Parking Study Variation”), (iii) Section 6.6-5.1 of the Zoning Ordinance to allow a generator, gas meter and condenser units to be located 8’-6” from the eastern lot line of the Subject Property or within a distance of less than 10% of lot width from the Subject Property’s side property line (“Required Yard Obstruction Variation”), (iv) Section 6.5-2 of the Zoning Ordinance to allow an increase in the permitted maximum number of accessory structures on the Subject Property from four to five and placement thereof in a front yard for the establishment of guard houses (“Accessory Structure Variation”) and (v) Section 10.2-9 of the Zoning Ordinance to allow an increase in the maximum permitted driveway width from 36 feet to 77 feet (“Driveway Variation” and together with the Fence Variations, Required Yard Obstruction Variation, Accessory Structure Variation and the Driveway Variation, the “Requested Variations”) in connection with a proposed amendment to the planned unit development ordinances governing the development and use of the Subject Property to allow modifications to the approved off-street parking facility and associated landscaping and parking lot lighting for the Subject Property in the manner illustrated and depicted by the plans submitted with these responses to facilitate the phased establishment of 898 parking spaces on the Subject Property (“PUD Amendment”).

1. The proposed use will not alter the essential character of the locality and will be compatible with existing use and zoning of nearby property.

The proposed office-based use of the Subject Property is a permitted use in the M-1 Research, Development and Light Manufacturing District in which the Subject Property is located. The Requested Variations will not alter the essential character of the locality in which the Subject Property is located and will be compatible with the existing uses and M-1 and B-3 zoning of the properties to the north, east, south and west of the Subject Property.

The Fence Variations, Required Yard Obstruction Variation, Accessory Structure Variation and the Driveway Variation are sought to enable TNC to reasonably satisfy the

unique needs of its future tenant for the Subject Property, which are driven by that tenant's critical security protocols and functional necessities in the interest of public health and safety, operational efficiencies and in accordance with applicable federal regulations.

The Fence Variations will allow installation of attractively-designed and secure fence and mechanical equipment screens in conjunction with proposed landscape enhancements to the Subject Property, which will neither detrimentally impact the character of the surrounding area nor be incompatible with the existing uses and zoning in that area.

The Traffic and Parking Study Variation is sought because the PUD Amendment (a) will not significantly alter traffic circulation to and from the Subject Property from the manner in which vehicular ingress and egress for the Subject Property was most recently approved to be provided and (b) will result in the authorization to establish 898 parking spaces on the Subject Property, being 247 more parking spaces than the 651 parking spaces required by the "Offices - Business, Professional & Governmental" parking standard of the Zoning Ordinance for the 195,300 square-foot area of the building located on Subject Property based on a parking ratio of one space for every 300 square feet of floor area under Section 10.4-2 of the Zoning Ordinance. The resulting off-street parking facility on the Subject Property in the manner illustrated and depicted by the plans submitted with these responses will be consistent with the design of off-street parking facilities at the properties to the north, east, south and west of the Subject 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.*

Torburn's plight is due to unique circumstances. As previously stated, the proposed Fence Variations, Required Yard Obstruction Variation, Accessory Structure Variation and Driveway Variation are required to enable TNC to reasonably satisfy the unique needs of its future tenant for the Subject Property, which are driven by that tenant's critical security protocols and functional necessities in the interest of public health and safety, operational efficiencies and in accordance with applicable federal regulations. The Traffic and Parking Study Variation is sought because the PUD Amendment will neither significantly alter traffic circulation to and from the Subject Property nor create a parking deficit on the Subject Property. To the contrary, the PUD Amendment will result in the authorization to establish 898 parking spaces on the Subject Property, which is 247 more parking spaces than the 651 parking spaces required by the "Offices - Business, Professional & Governmental" parking standard of the Zoning Ordinance for the 195,300 square-foot area of the building located on the Subject Building based on a parking ratio of one space for every 300 square feet of floor area under Section 10.4-2 of the Zoning Ordinance.

3. *The proposed variation is in harmony with the spirit and intent of the Zoning Ordinance.*

The Requested Variations are harmonious with the spirit and intent of the Zoning Ordinance as set forth in Section 28-2 of the Zoning Ordinance. In particular, the Traffic and Parking Study Variation will not result in increased congestion in the public streets or

compromise the adequacy of the off-street parking facility to be established on the Subject Property under Section 28-2(2.10) of the Zoning Ordinance. Similarly, the Fence Variations, Required Yard Obstruction Variation, Accessory Structure Variation and Driveway Variation will, by their very nature, promote and protect the public health, safety and welfare in accordance with Section 28-2(2.10) of the Zoning Ordinance because they are each driven by the security protocols and functional necessities of the future tenant for the Subject Property and in accordance with applicable federal regulations. The occupancy of the Subject Property for that tenant's operations will, in turn, conserve the taxable value of the Subject Property in accordance with Section 28-2(2.13) of the Zoning Ordinance, which might otherwise be reduced as a consequence of the Subject Property being vacant.

4. The variance requested is the minimum variance necessary to allow reasonable use of the property.

The Fence Variations, Required Yard Obstruction Variation, Accessory Structure Variation and Driveway Variation are the minimum necessary to allow reasonable use of the Subject Property as proposed by the future tenant for the Subject Property in accordance with its specific security protocols, functional necessities, operational efficiencies and applicable federal regulations in the interest of public health and safety. The Traffic and Parking Study Variation is sought because the PUD Amendment will neither significantly alter traffic circulation to and from the Subject Property nor create a parking deficit on the Subject Property. As a result, a traffic study and parking analysis is unwarranted.



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300 S. WACKER DR.
SUITE 3500
CHICAGO, IL 60606-6704
PHONE (312) 987-9900
FAX (312) 987-9854

File Number: 34175-001
Direct Dial: (312) 461-4302
E-mail: sbauer@mpslaw.com

VIA EMAIL

August 23, 2019

Sam Hubbard
Development Planner
Village of Arlington Heights
33 S. Arlington Heights Road
Arlington Heights, Illinois 60005-1499

Re: 1501 W. Shure Drive | Proposed PUD Amendment and Variations

Dear Mr. Hubbard:

On behalf of Torburn Partners, Inc. (“Torburn”) as the sole Manager of TNC Lot 1, LLC (“TNC”), which is the owner of Lot 1 of Northwest Crossings and commonly known as 1501 W. Shure Drive (“Subject Property”), we are pleased to present this request for approval of an amendment to the planned unit development ordinances governing the development and use of the Subject Property in conjunction with certain proposed variations in furtherance of the approvals previously granted by Village Ordinances 15-016 and 15-040. More specifically, Torburn seeks the following approvals on behalf of TNC and TNC’s future tenant for the Subject Property, which tenant respectfully requires anonymity during the public review process due to its sensitive security protocols in the interest of public safety (“Tenant”), in connection with the Tenant’s intent to establish a Backup Network Operations Center and Business Resumption Training Suite at the Subject Property:

- 1) An amendment to the planned unit development for the Subject Property, as previously amended, which was granted by Ordinances 88-60, 15-016 and 15-040, to now allow (a) modifications to the approved off-street parking facility and associated exterior mechanical equipment areas, landscape plantings and parking lot lighting for the Subject Property in the manner illustrated and depicted by the plans submitted on August 9, which will result in the initial establishment of 559 parking spaces (“Phase 1 Spaces”) west and south of the existing building on the Subject Property (“Subject Building”) and (b) the subsequent construction of an additional 342 parking spaces (“Phase 2 Spaces”) on the Subject Property to be located north of the Subject Building if and when needed to accommodate additional occupancy of the Subject Building by the Tenant. The net total number of parking spaces for which TNC now seeks authorization to be established on the Subject Property in accordance with its current request for a planned unit development amendment is 898 spaces, inclusive of the Phase 1 Spaces, the Phase 2

Spaces and the removal of three Phase 1 Spaces as necessary to provide vehicular connectivity between the Phase 1 Spaces and the Phase 2 Spaces, all in accordance with the most recent plan set submitted today by Kimley-Horn and Associates, Inc. as project engineer (“August 23 Plan Set”).

- 2) Variations from Sections 6.13-3(a), 6.13-3(b) and 6.13-3(c) of *The 2002 Comprehensive Amendment of the Zoning Ordinance of the Village of Arlington Heights* (“Zoning Ordinance”) to allow installation of (i) an 8’-0” tall wrought-iron style security fence with decorative top points to be located (a) around the perimeter of the existing and proposed improvements on the Subject Property and (b) less than five feet from the south and east lot lines of the Subject Property, (ii) a 17’-4” tall mechanical equipment (generator) screen wall to be located adjacent to the north and south façades of the Subject Building, (iii) a 6’-0” tall mechanical equipment (gas meter) screen wall to be located adjacent to the north façade of the Subject Building and (iv) an 8’-0” tall chain-link fence with slats as a mechanical equipment (transformer) screen to be located adjacent to the north and south façades of the Subject Building, all in accordance with the plans submitted today by Kimley-Horn and Associates, Inc. as project engineer (“August 23 Plan Set”).
- 3) A variation from Section 6.6-5.1 of the Zoning Ordinance to allow a generator, gas meter and condenser units to be located 8’-6” from the eastern lot line of the Subject Property or within a distance of less than 10% of the Subject Property’s lot width, all in accordance with the August 23 Plan Set.
- 4) A variation from Section 6.5-2 of the Zoning Ordinance to allow an increase in the permitted maximum number of accessory structures on the Subject Property from four to five and placement thereof in a front yard for the establishment of guard houses, all in accordance with the August 23 Plan Set.
- 5) A variation from Section 10.2-9 of the Zoning Ordinance to allow an increase in the permitted maximum driveway width from 36 feet to 77 feet in accordance with the August 23 Plan Set.
- 6) A variation from the otherwise applicable requirements of Sections 6.12 and 9.8(k) of the Zoning Ordinance to provide a traffic study and parking analysis in connection with the foregoing planned unit development amendment and variation requests given that the net 898 parking spaces Torburn now seeks authorization to establish on the Subject Property if and when needed to accommodate the Tenant’s occupancy of the Subject Building represents (a) less than a 12% increase above the 802 parking spaces previously authorized for establishment on the Subject Property and (b) a total of 247 more parking spaces than the 651 parking spaces required by the “Offices - Business, Professional & Governmental” parking standard of the Zoning Ordinance for the 195,300 square-foot area of the Subject Building based on a parking ratio of one space for every 300 square feet of floor area under Section 10.4-2 of the Zoning Ordinance.

Similar to the approvals granted by Ordinance 15-040, which pertained to the property located immediately east of the Subject Property, the approvals now requested are necessary for TNC to reasonably satisfy the unique needs of its future tenant for the Subject Property, which are driven by the Tenant's critical security protocols in the interest of public health and safety and in accordance with applicable federal regulations. Of equal importance, the approvals now requested will not (a) detrimentally alter the essential character of the locality in which the Subject Property is located, (b) be incompatible with existing uses and zoning of nearby property or (c) be inharmonious with the spirit and intent of the Zoning Ordinance. Moreover, the site improvements proposed for the Subject Property for which the foregoing approvals are requested will include environmentally sustainable design elements in the form of eight bioretention facilities, three of which will be located adjacent to or within the offstreet parking area for the Phase 1 Spaces as illustrated by the August 23 Plan Set, and five of which will be located within the offstreet parking area for the Phase 2 Spaces as illustrated by that plan set. The proposed bioretention facilities will filter and improve the quality of stormwater that will drain from those parking areas before being released to the storm sewer system, which will serve as a benefit to the quality of stormwater discharged from the Subject Property.

Given the purpose and function of the proposed Backup Network Operations Center as a means of ensuring that the Tenant is able to continuously operate its critical business functions in the event of a disaster that precludes it from conducting those operations at its primary Network Operations Center, the hope is that the Backup Network Operations Center is never put to use and staffed accordingly. If, however, it is necessary for the Tenant to operate the Backup Network Operations Center due to a catastrophic event, it will be staffed with approximately 450-500 employees at any given time, 24 hours per day and seven days per week to operate in the same manner as that tenant's regular Network Operations Center. Regardless of whether the Backup Network Operations Center is ever put to use, the Tenant anticipates that approximately 75-100 employees will utilize its proposed Business Resumption Training Suite three to five days per week from 8:00 a.m. to 5:00 p.m. Needless to say, the resulting anticipated 600 maximum number of employees is well below the net total of 898 parking spaces that will exist on the Subject Property following construction of the Phase 1 Spaces and the Phase 2 Spaces. The proposed parking supply at the Subject Property will easily accommodate the parking demand of the Tenant as a result.

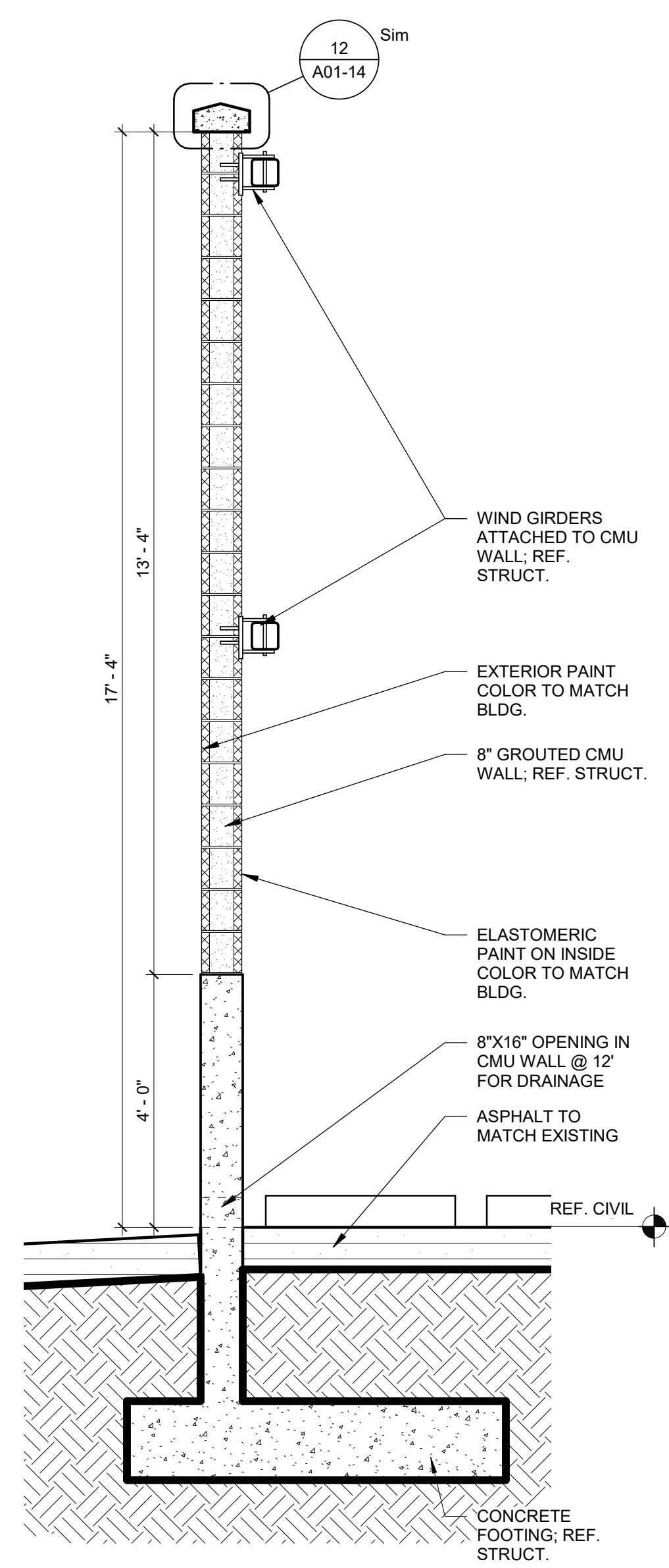
We look forward to presenting the requested approvals and related project details to the Plan Commission on August 28. In the interim, please contact me at (312) 461-4302 if you would like to discuss this matter in further detail.

Sincerely,

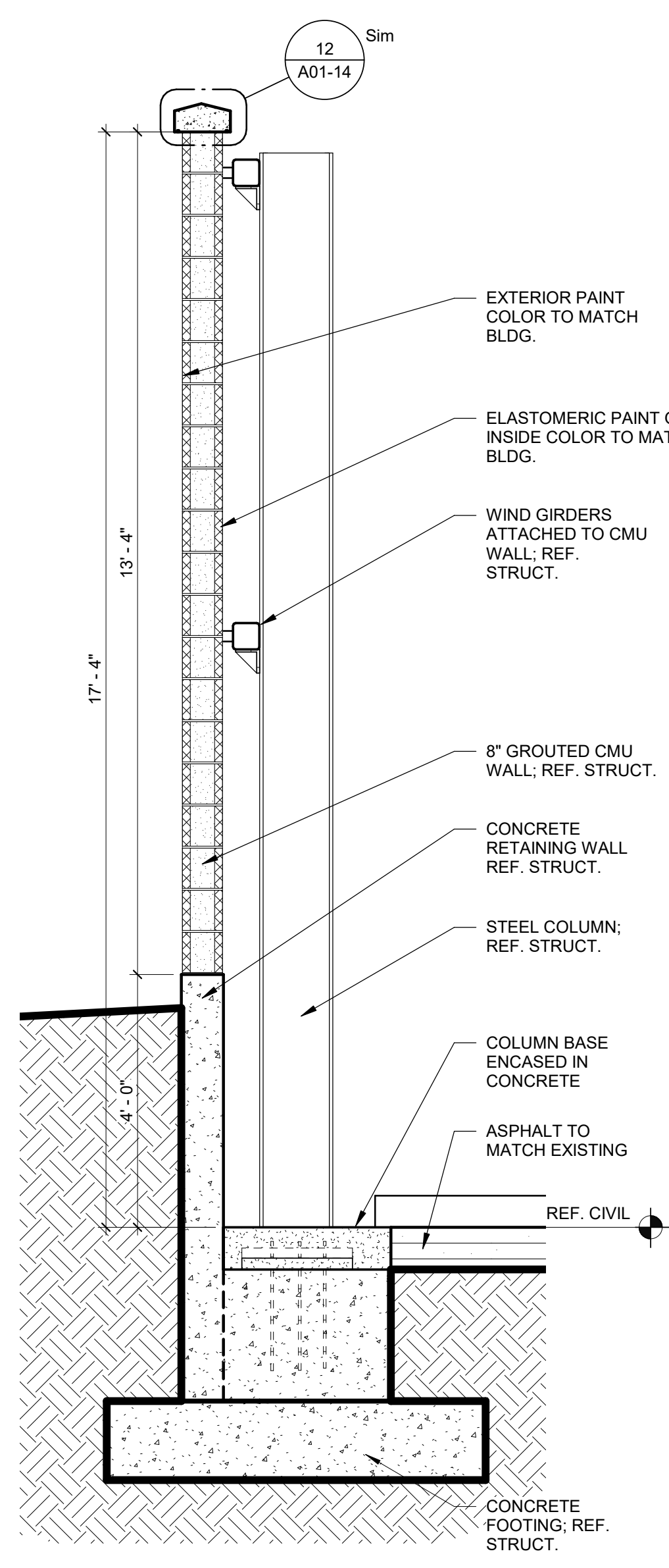
MELTZER, PURTILL & STELLE LLC



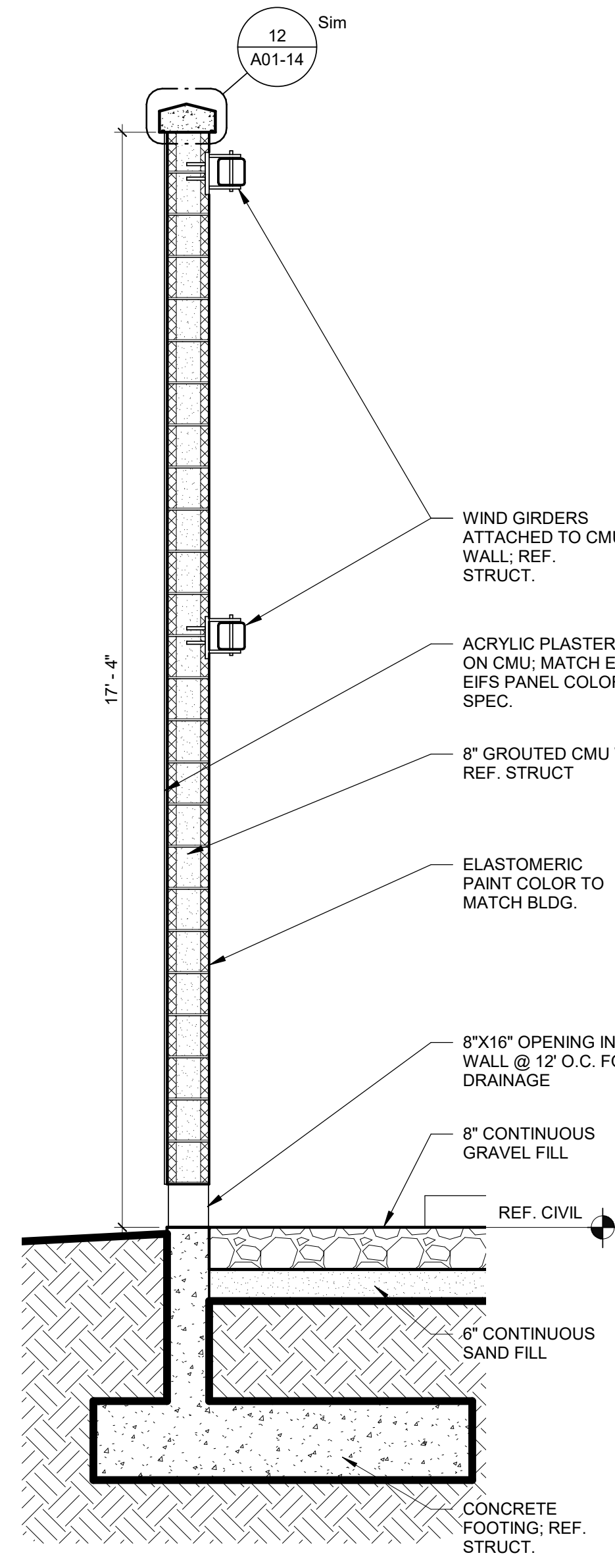
Steven C. Bauer



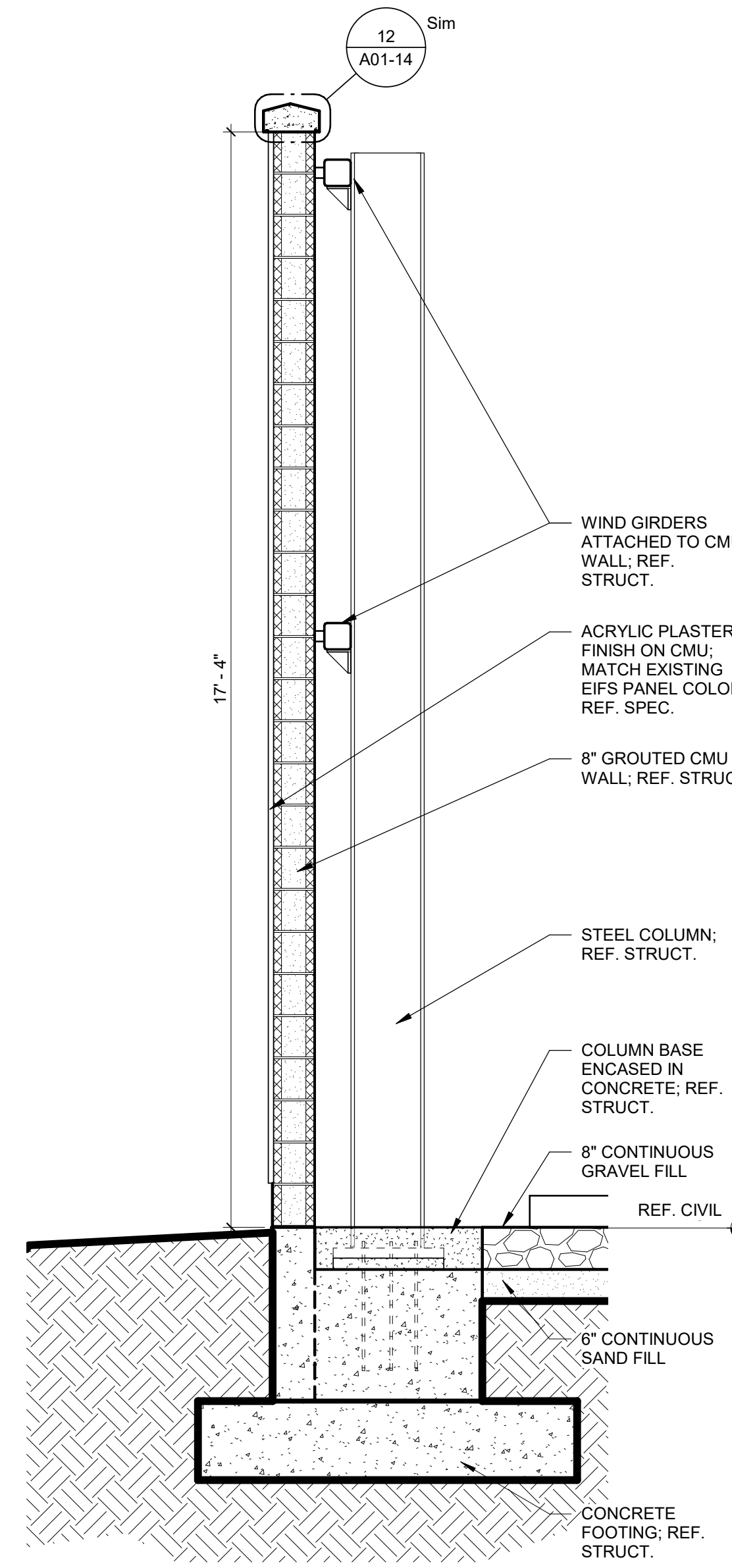
11 SCREEN WALL SECTION - SOUTH GENERATOR - SOUTH
1/2" = 1'-0"



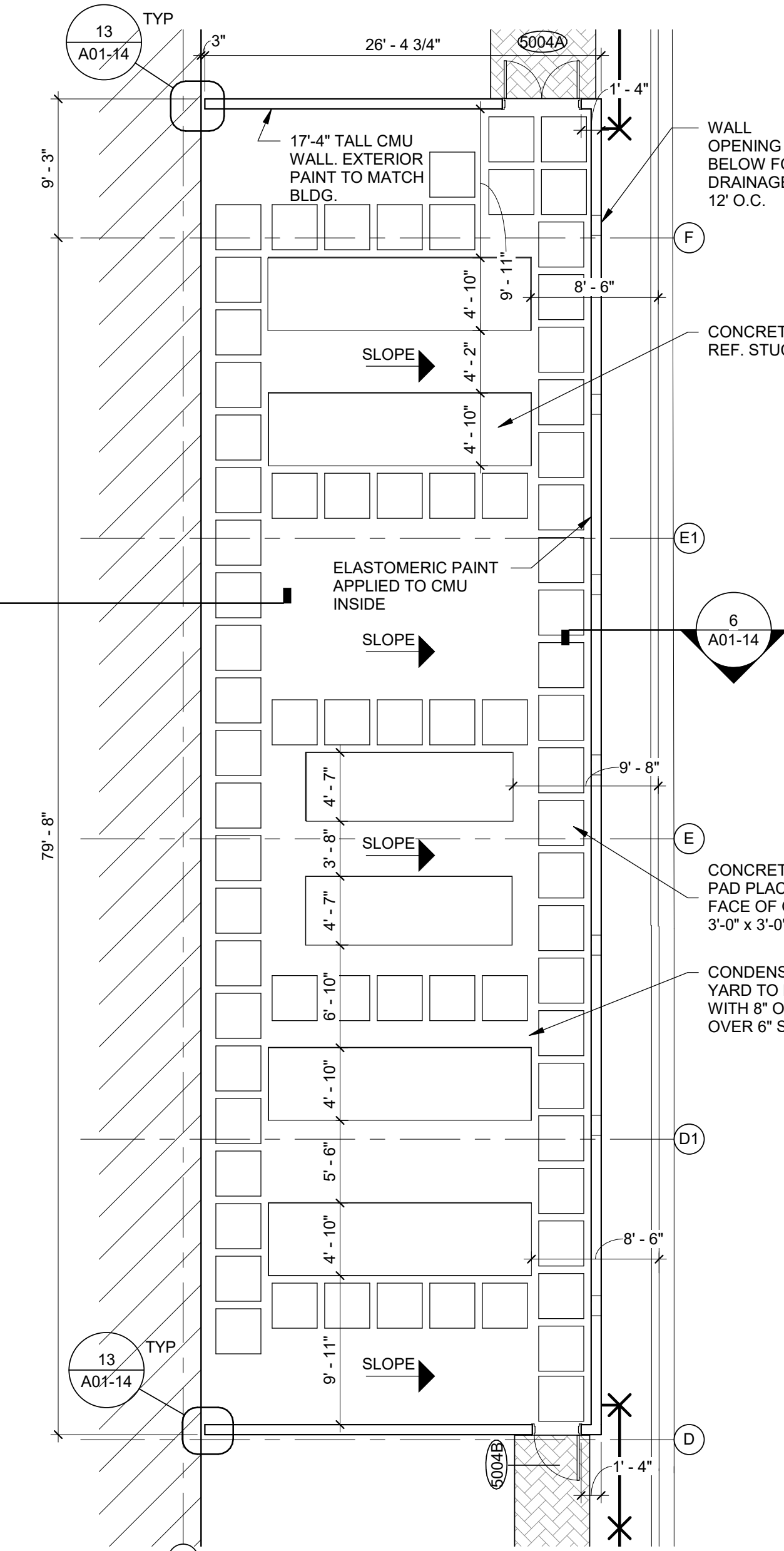
10 SCREEN WALL SECTION @ COLUMN - SOUTH GENERATOR
1/2" = 1'-0"



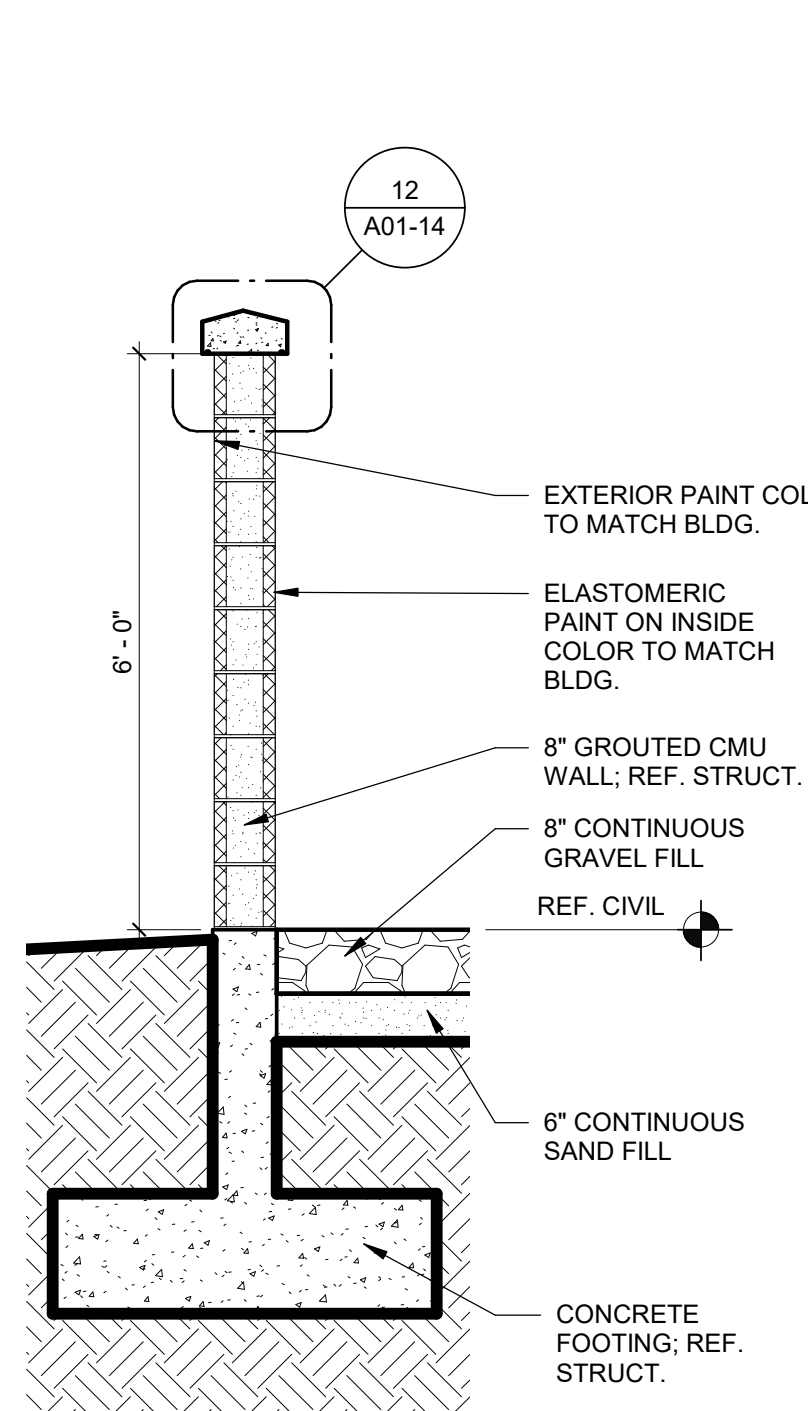
9 SCREEN WALL SECTION - NORTH GENERATOR
1/2" = 1'-0"



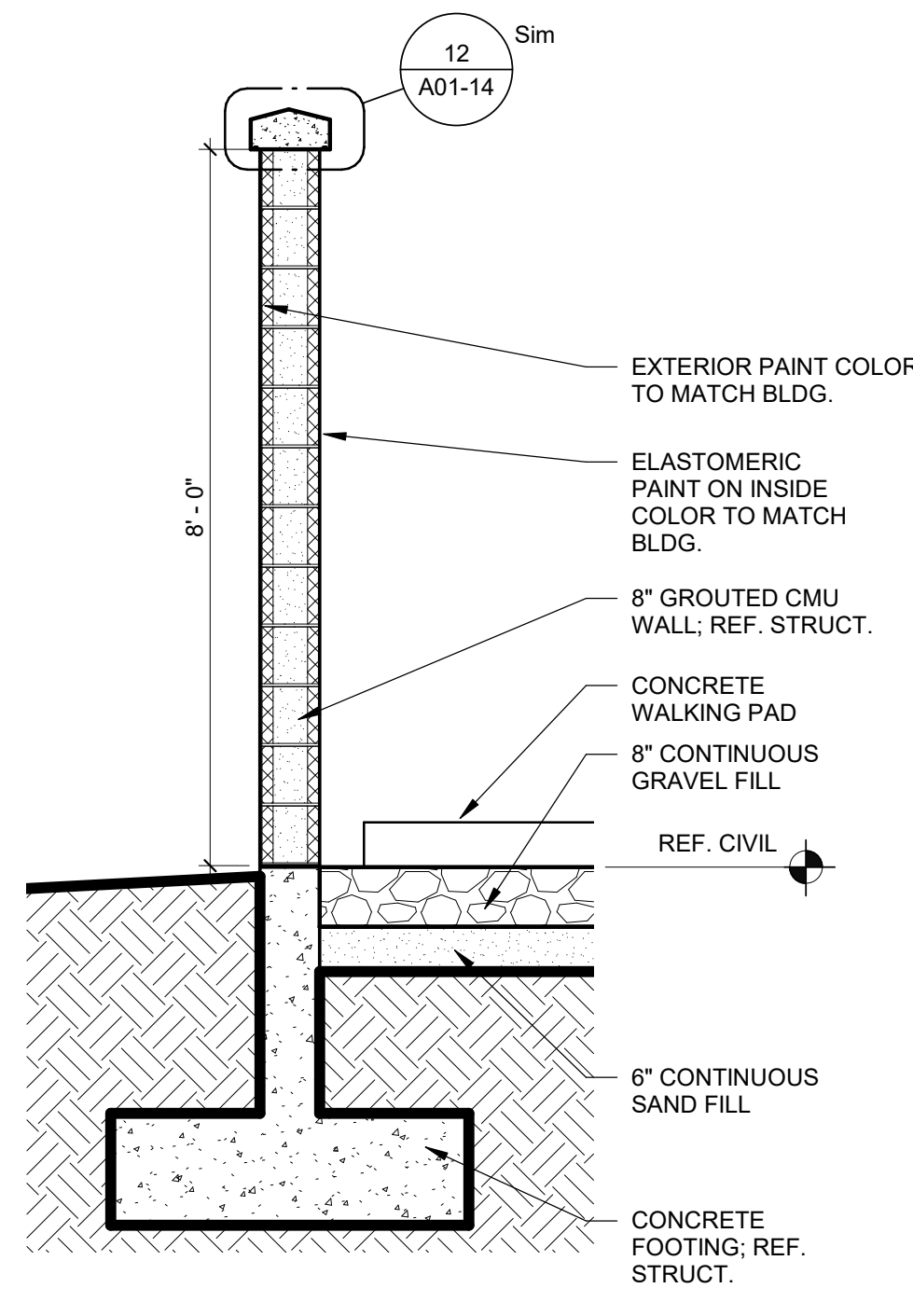
8 SCREEN WALL SECTION @ COLUMN - NORTH GENERATOR
1/2" = 1'-0"



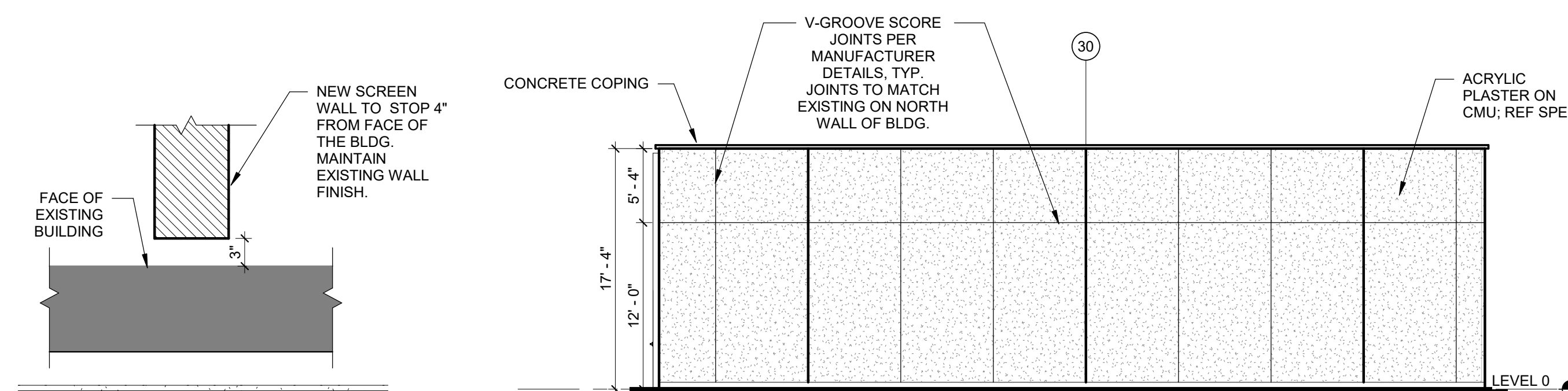
2 ENLARGED PLAN - CONDENSERS SCREEN WALLS
1/8" = 1'-0"



7 GAS METER SCREEN WALL
1/2" = 1'-0"

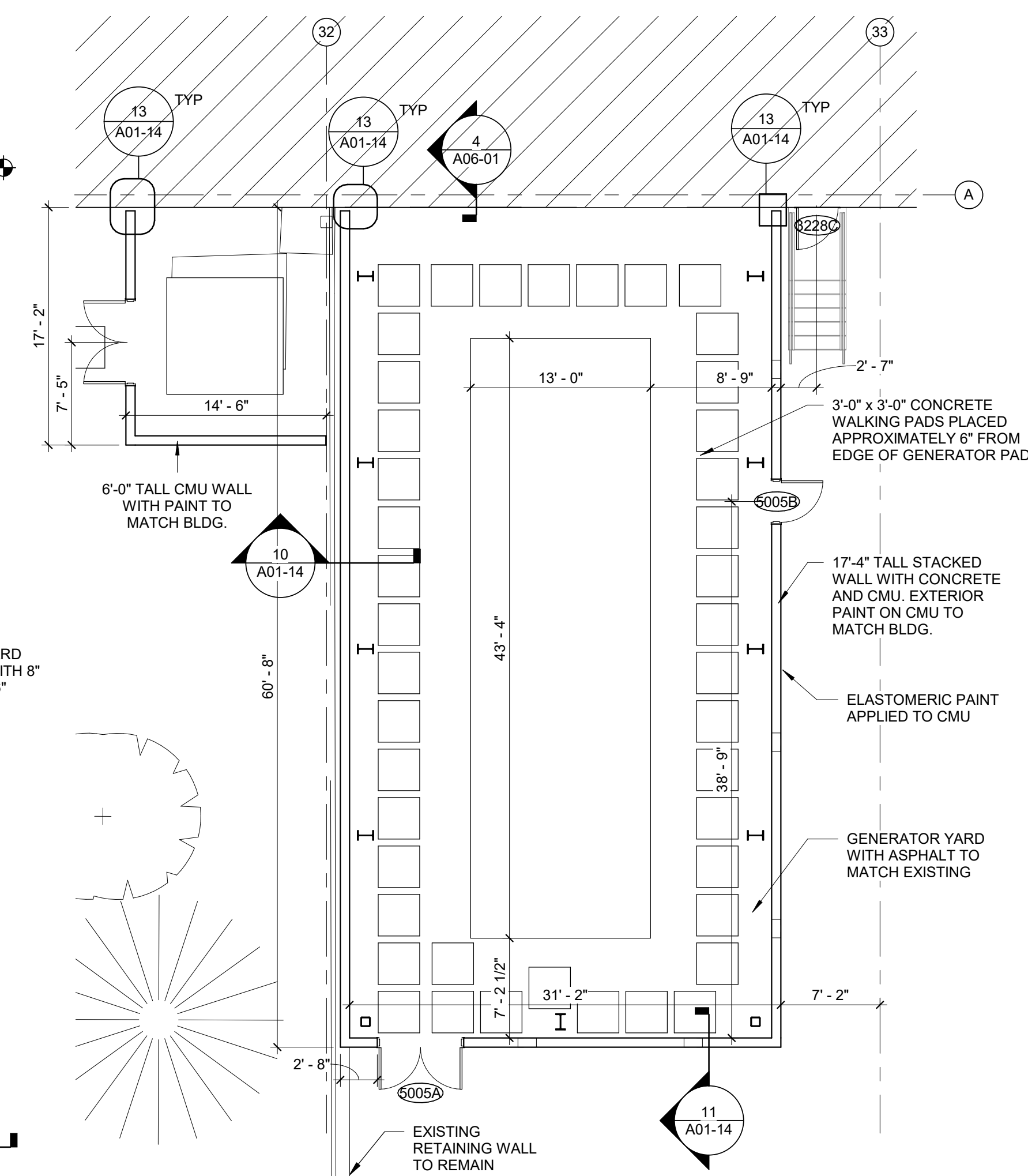


6 CONDENSER UNITS SCREEN WALL - TYP.
1/2" = 1'-0"

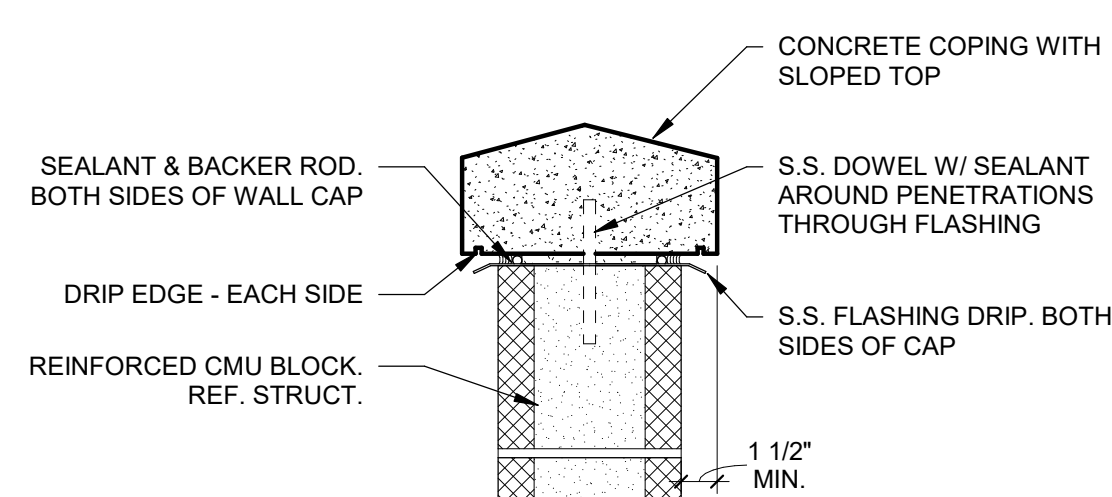


13 PLAN DETAIL - SCREEN WALL TO BLDG. FACE
1" = 1'-0"

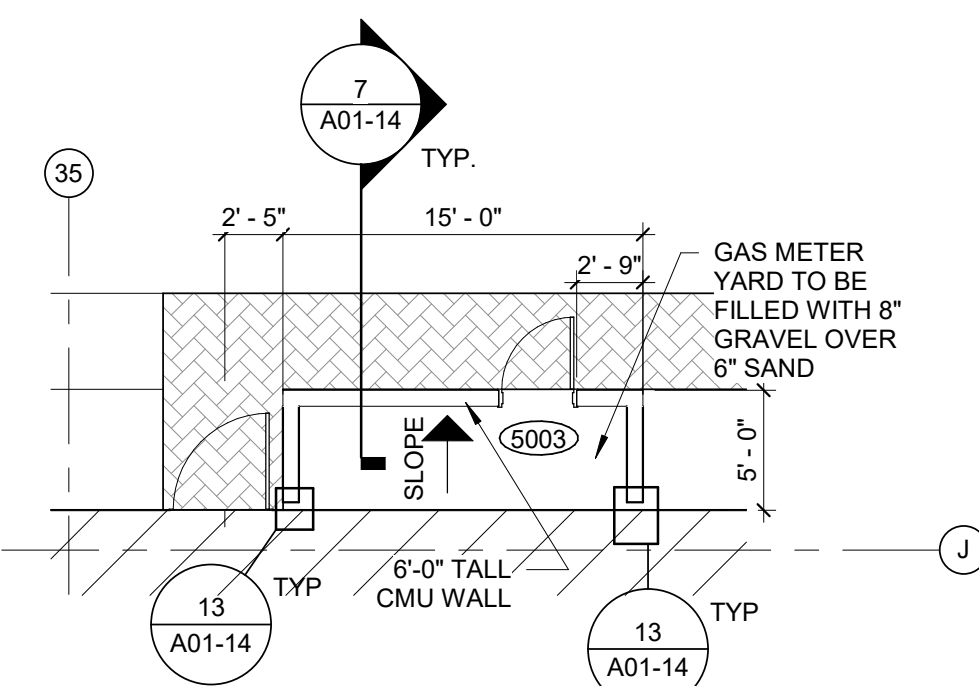
4 NORTH GENERATOR SCREEN WALL - NORTH ELEVATION
1/8" = 1'-0"



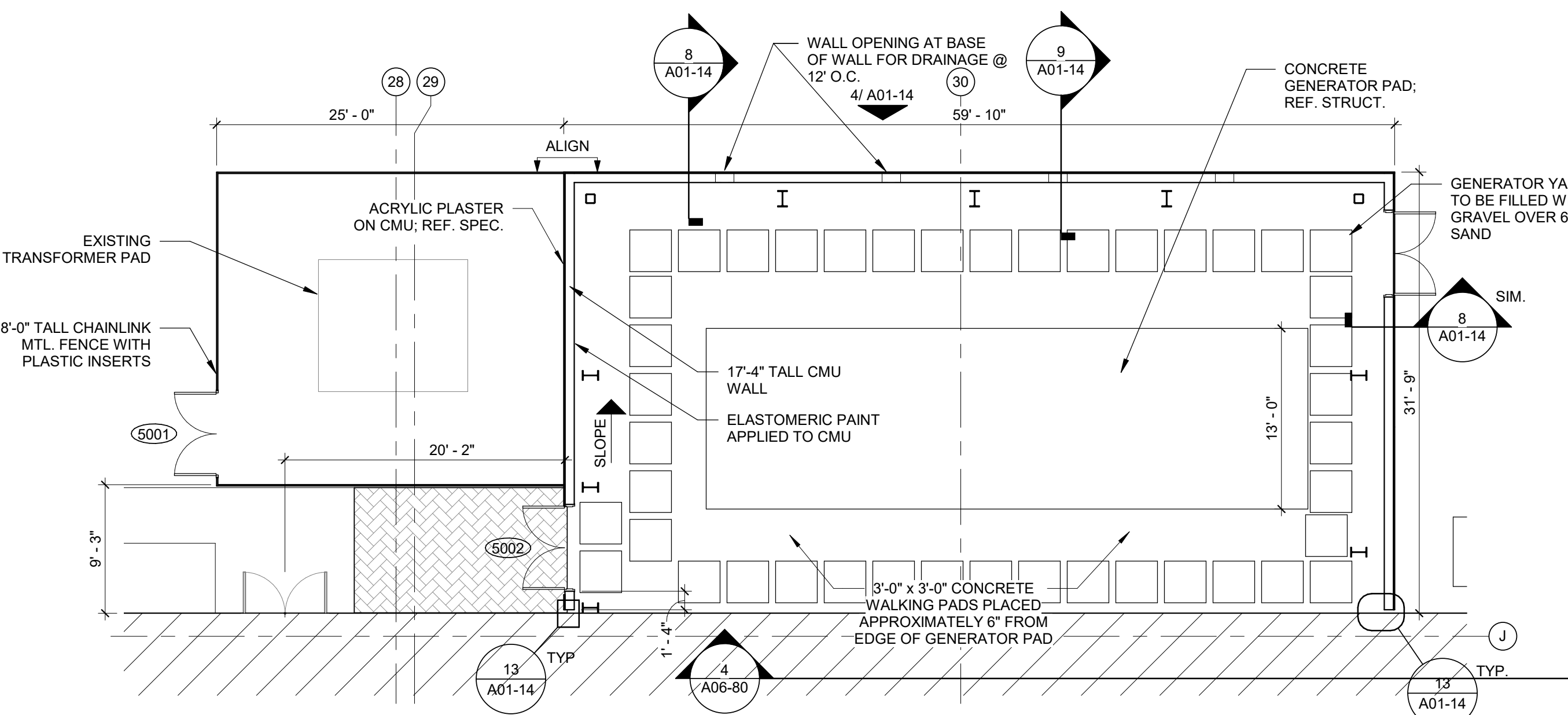
1 ENLARGED PLAN - SOUTH GENERATOR SCREEN WALLS
1/8" = 1'-0"



12 CONCRETE COPING DETAIL
1 1/2" = 1'-0"



5 ENLARGED PLAN - GAS METER SCREEN WALLS
1/8" = 1'-0"



3 ENLARGED PLAN - NORTH GENERATOR SCREEN WALLS
1/8" = 1'-0"

C O R G A N

CORGAN
401 N. Houston St.
Dallas, TX 75202
T: 214-748-2000

ISSUES

1 08/07/19 ISSUE FOR CONSTRUCTION

2

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REVISIONS

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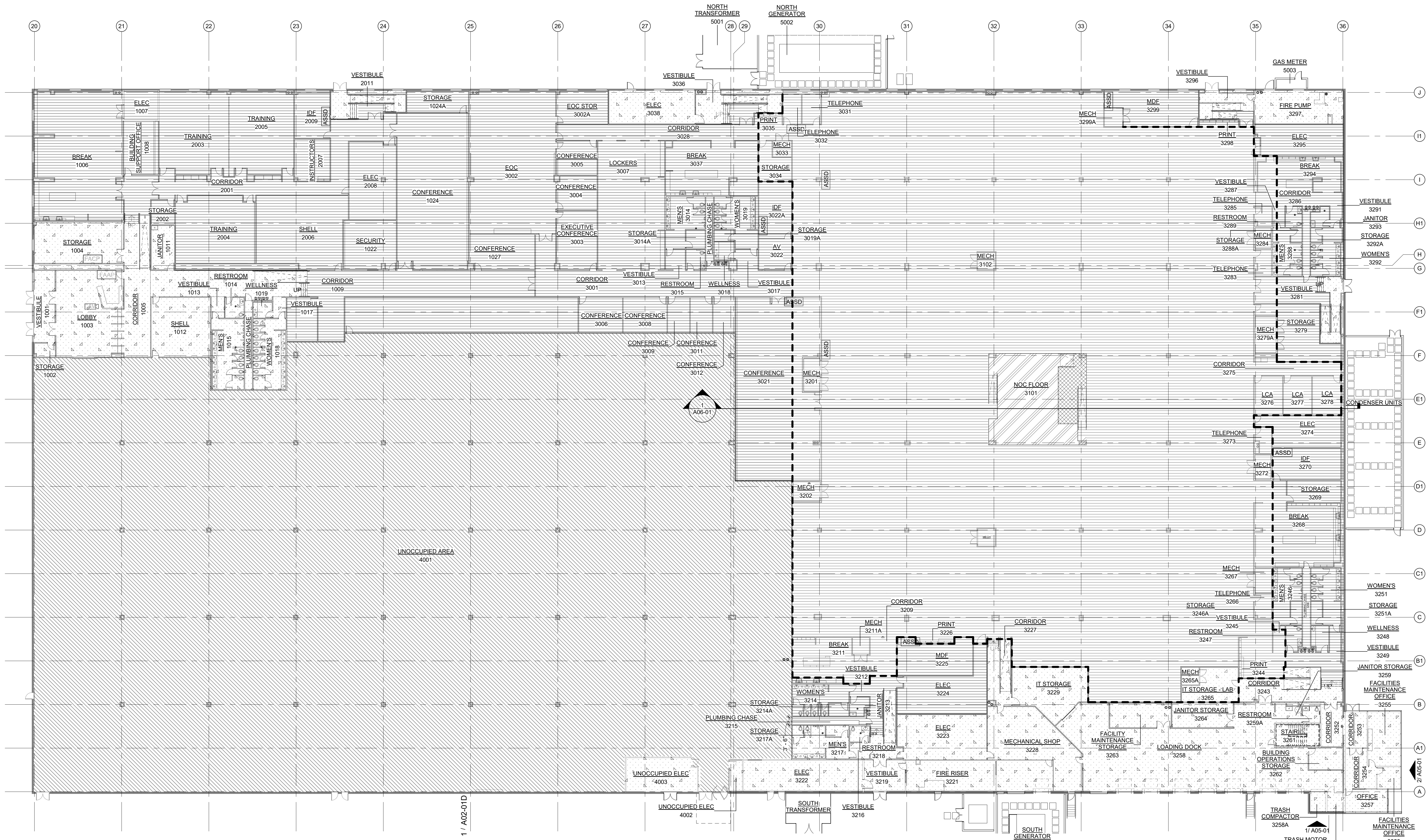
233


 MARY KATHRYN
 001 02 883
 STATE OF ILLINOIS

1501 W SHURE DRIVE,
ARLINGTON HEIGHTS IL

A01-15





1 FLOOR ELEVATION PLAN
1" = 20'-0"

ELEVATION PLAN LEGEND

- EXISTING CONCRETE SLAB AT 100'-0"
- PHASE 02 EXISTING CONCRETE SLAB AT 100'-0"
- NEW RAISED ACCESS FLOOR AT 102'-0"
- NEW RAISED ACCESS FLOOR AT 103'-0"
- NEW RAISED ACCESS FLOOR AT 103'-6"
- PLENUM ZONE BELOW THE NEW RAISED ACCESS FLOOR (RAF), REF. MECH FOR MORE DETAIL. TO ENSURE CONTINUOUS ZONE ENCLOSURE, RAF MANUFACTURER TO PROVIDE PLENUM DIVIDER FOR AREA THERE IS NO WALL BELOW.

BUILDING AREAS

PHASE 01 -	127,047 SF
PHASE 02 -	68,253 SF
TOTAL -	195,300 SF

ISSUES

1	08/07/19	ISSUE FOR CONSTRUCTION
2		
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REVISIONS

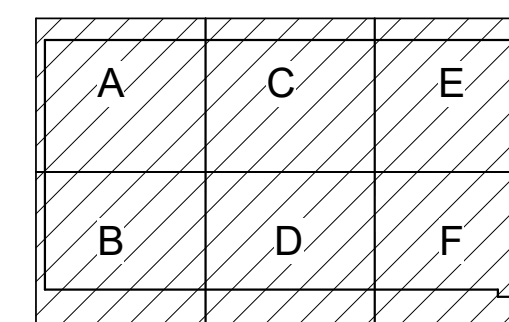
1	08/07/19	ISSUE FOR CONSTRUCTION
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PARKING LOT ALTERATION
AND INTERIOR BUILDOUT

1501 W SHURE DRIVE,
ARLINGTON HEIGHTS IL

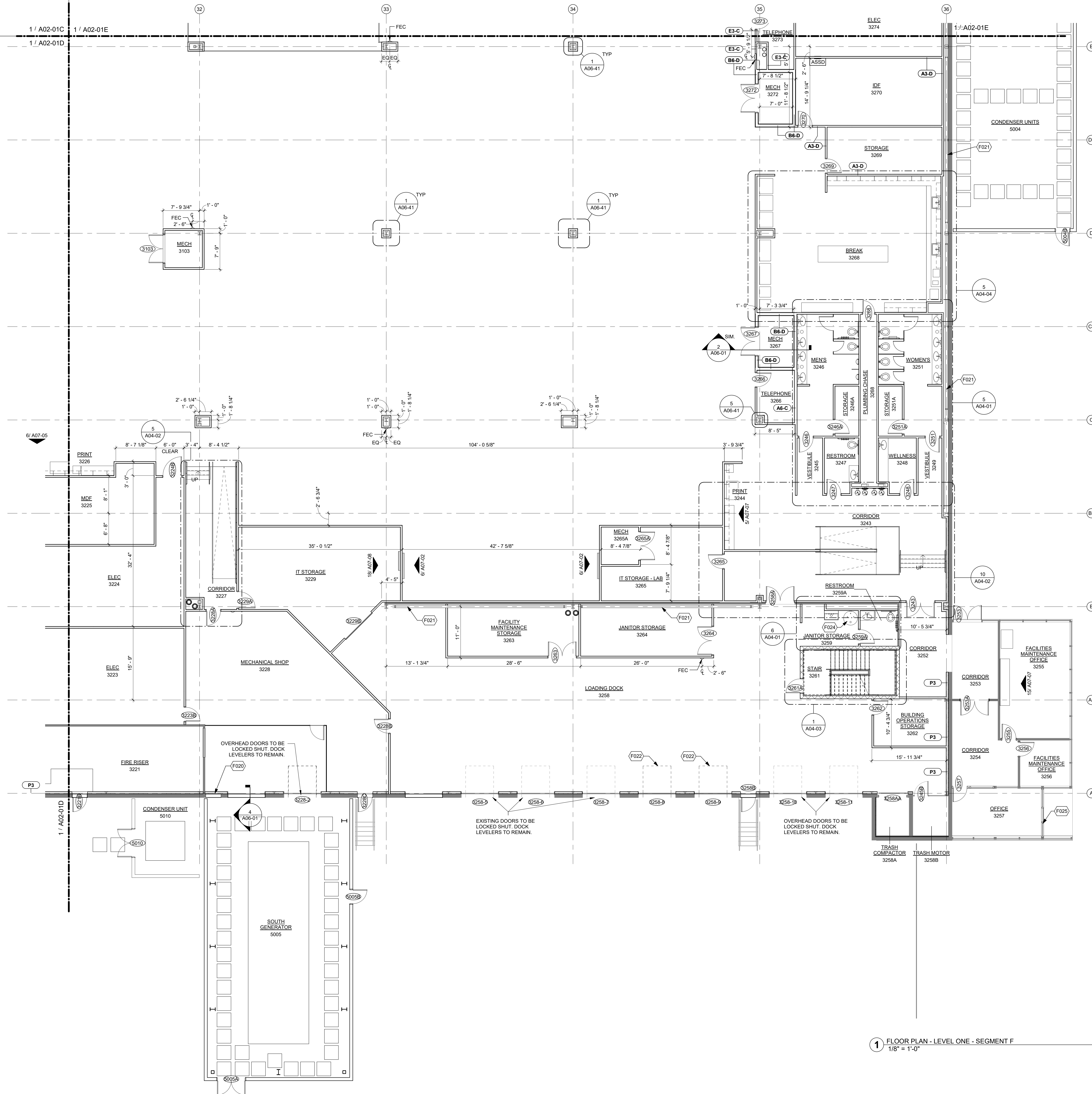
KEYPLAN



FLOOR
ELEVATION PLAN

JOB 18412.0000
DATE 08/07/2019
SHEET

A02-00B



GENERAL PLAN NOTES

1. ALL WALLS ARE TYPE A3-C-U.N.O.
2. PROVIDE CONTROL JOINTS IN GYPSUM BOARD WALLS ABOVE THE CORNER OF ALL INTERIOR DOOR AND WINDOW FRAMES IN THE CENTER OF STRAIGHT WALLS 3'-0" IN LENGTH OR GREATER OR AS INDICATED ON INTERIOR WALL SECTIONS. PROVIDE HORIZONTAL CONTROL JOINTS AT 10'-0" A.F.F. THROUGHOUT BUILDING. TYP.
3. ALL WALL-MOUNTED FIRE EXTINGUISHERS TO BE MOUNTED AT 45° MAX. TO EXTINGUISHER HANDLE U.N.O.
4. PROVIDE 4'-0" HIGH CORNER GUARDS AT ALL EXPOSED GYF. BOARD CORNERS MOUNTED AT 4" TO BOTTOM OF WALL.
5. GC TO VERIFY EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF ANY WORK. G.C. TO NOTIFY ARCHITECT OF ANY DISCREPANCIES.
6. ALL INTERIOR WALLS TO BE REGULAR EFF FLM ON INTERIOR SIDE OF GLASS. THIS INCLUDES ALL GLAZING AT BOTH ENTRIES.

FLOOR PLAN KEYNOTE LEGEND

F020	NEW WALL INFILL TO MATCH EXISTING EXTERIOR WALL CONSTRUCTION
F021	STRUCTURAL BRACING. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
F022	REPLACE LOADING DOCK DOOR AND ALL RELATED HARDWARE, INCLUDING DOCK LIFT AND DOCK LEVELER
F024	COVER PLATE FOR EJECTOR PUMP BELOW. REF. PLUMBING & STRUC.
F025	INSTALL NEW EXTERIOR GLAZING TO MATCH EXISTING.

ISSUES

1	08/07/19	ISSUE FOR CONSTRUCTION
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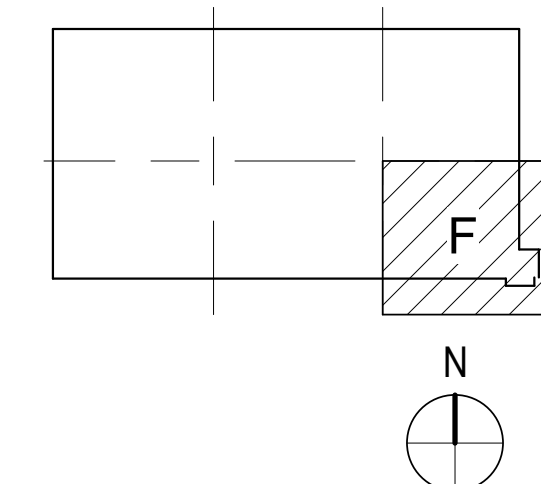
REVISIONS



PARKING LOT ALTERATION AND INTERIOR BUILDOUT

1501 W SHURE DRIVE,
ARLINGTON HEIGHTS IL

KEYPLAN



FLOOR PLAN -
LEVEL ONE -
SEGMENT F

JOB 18412.0000
DATE 08/07/2019
SHEET

A02-01F

[illegible]

PARKING LOT ALTERATION AND INTERIOR BUILDOUT

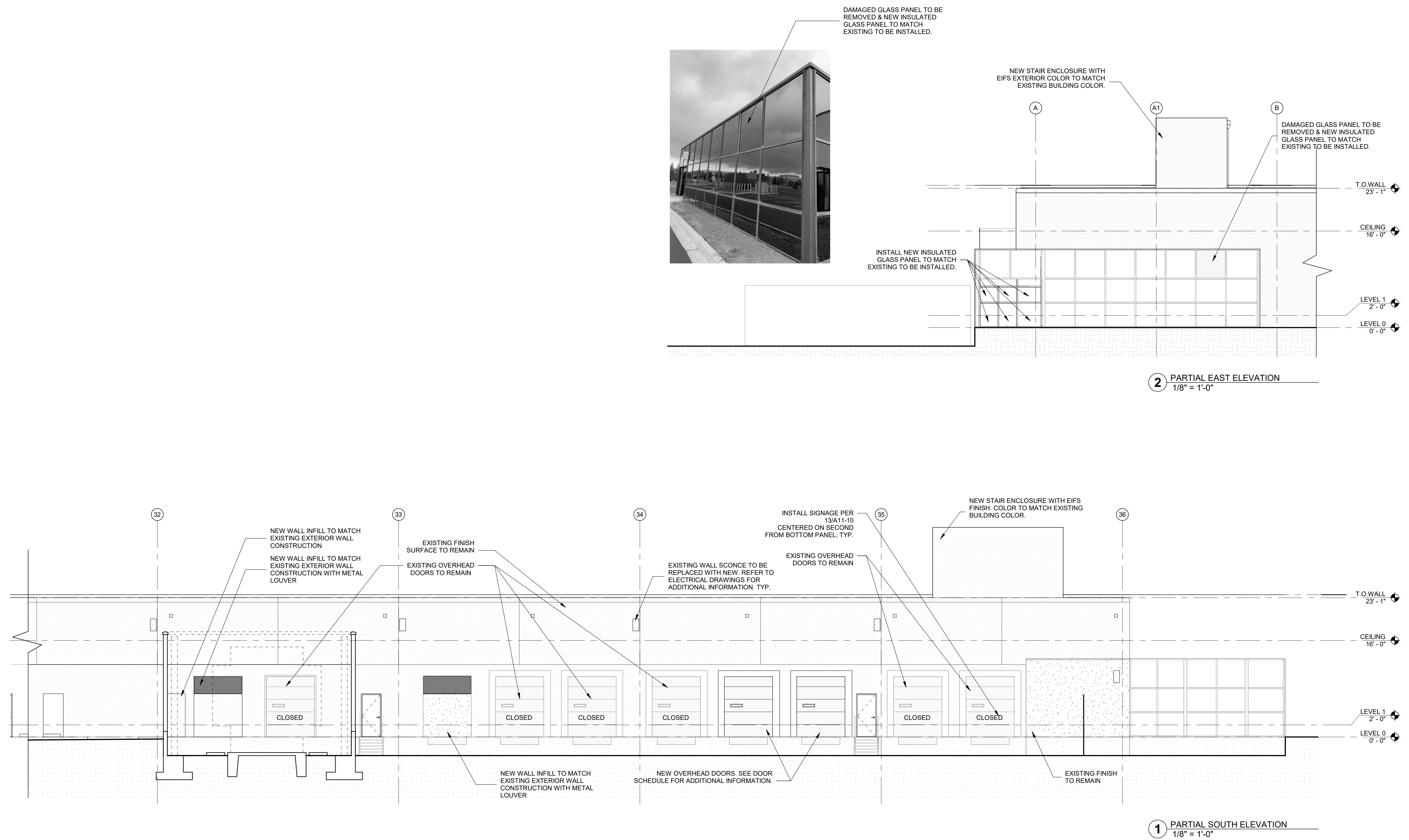
1501 W SHURE DRIVE,
ARLINGTON HEIGHTS IL

EXTERIOR ELEVATIONS

JOB 18412.0000
DATE 08/07/2019
SHEET

A05-01

8/7/2019 4:40:05 PM	A05-01	EXTERIOR ELEVATIONS
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Drawing name: K:\GIS_LIVE\168672001_Corgan_UnitedBNO_C_Arlington Heights_IL_V Design\CAD\PlanSheets\C0.0 - TITLE SHEET.dwg Layout1 Aug 08, 2019 2:27pm by: Travis Osawski
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

FINAL ENGINEERING PLANS PARKING LOT ALTERATION AND INTERIOR BUILDOUTS

1501 W. SHURE DR. ARLINGTON HEIGHTS, IL 60004



Sheet List Table	
Sheet Number	Sheet Title
C0.0	TITLE SHEET
C1.0	GENERAL NOTES
C1.1	MWRD GENERAL NOTES
C2.0	EXISTING CONDITIONS & DEMOLITION PLAN (NORTH)
C2.1	EXISTING CONDITIONS & DEMOLITION PLAN (SOUTH)
C3.0	OVERALL SITE PLAN
C3.1	SITE PLAN (NORTH)
C3.2	SITE PLAN (SOUTH)
C3.3	SITE PLAN (PHASE 2)
C4.0	EROSION CONTROL PLAN
C4.1	EROSION CONTROL PLAN (PHASE 2)
C4.2	EROSION CONTROL NOTES AND DETAILS
C5.1	GRADING PLAN (NORTH)
C5.2	GRADING PLAN (SOUTH)
C5.3	GRADING PLAN (PHASE 2)
C6.1	UTILITY PLAN (NORTH)
C6.2	UTILITY PLAN (SOUTH)
C6.3	UTILITY PLAN (PHASE 2)
C7.0	MWRD PLAN
C8.0	CONSTRUCTION DETAILS
C8.1	CONSTRUCTION DETAILS
L1.0	TREE REMOVALS PLAN (NORTH)
L1.1	TREE REMOVALS PLAN (SOUTH)
L1.2	TREE REMOVALS PLAN
L2.0	OVERALL LANDSCAPE PLAN
L2.1	LANDSCAPE PLAN (NORTH)
L2.2	LANDSCAPE PLAN (SOUTH)
L2.3	LANDSCAPE PLAN (PHASE 2)
L3.0	LANDSCAPE NOTES AND DETAILS

UTILITY AND GOVERNING AGENCY CONTACTS

ENGINEERING DEPARTMENT
VILLAGE OF ARLINGTON HEIGHTS
33 S. ARLINGTON HEIGHTS RD
ARLINGTON HEIGHTS, IL 60005
TEL: (847) 368-5250 EXT. 5267
CONTACT: MICHAEL L. PAGONES, P.E.

SANITARY SEWER SERVICE
METROPOLITAN WATER RECLAMATION DISTRICT
LOCAL SEWER SYSTEMS FIELD OFFICE
TEL: (708) 588-4055

POWER COMPANY
COMED
TEL: (630) 705-7439

NATURAL GAS COMPANY
NICOR
615 EASTERN AVE
BELLWOOD, IL 60104
TEL: (847) 227-0805
CONTACT: PATRICK LOFTUS
EMAIL: PLOFTUS1@SOUTHERNCO.COM

TELEPHONE
AT&T
TEL: (800) 244-4444

PROJECT TEAM

ARCHITECT
CORGAN
401 N. HOUSTON ST
DALLAS, TX 75202
TEL: (214) 757-1727
EMAIL: BRIAN.DEGRAVELLE@CORGAN.COM
CONTACT: BRAIN DEGRAVELLE

TENANT
UNITED
233 S WACKER DR
WHQOV 11TH FLOOR
CHICAGO, IL 60606
TEL: 872-825-8425
EMAIL: JENNIFER.CHENG@UNITED.COM
CONTACT: JENNIFER CHENG

SURVEYOR
COMPASS SURVEYING, LTD
2631 GINGER WOODS PARKWAY, SUITE 100
AURORA, IL 60502
TEL: (630) 820-9100
EMAIL: SKREBS@CLSURVEYING.COM
CONTACT: SCOTT KREBS, P.L.S.

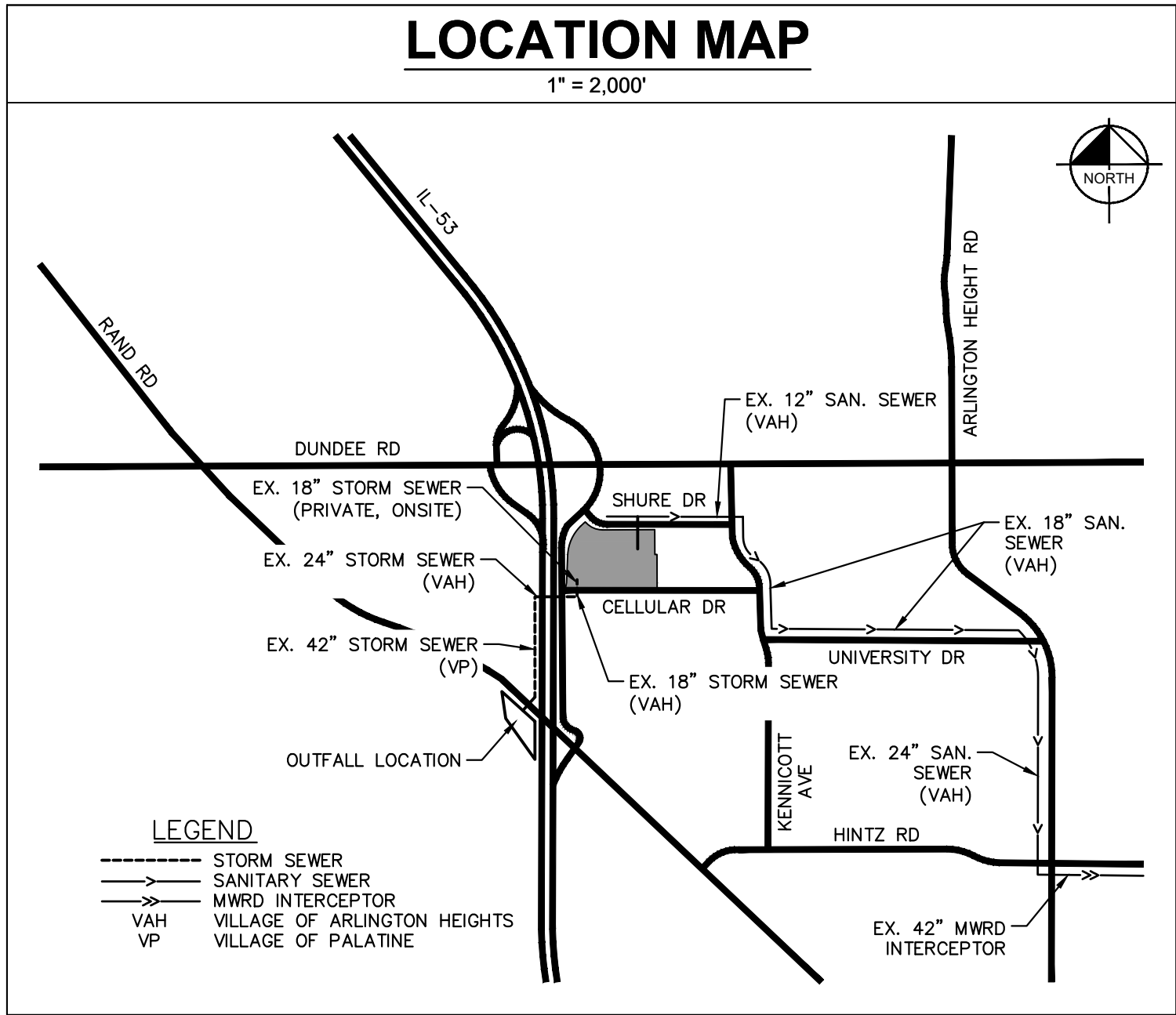
CIVIL ENGINEER
KIMLEY-HORN AND ASSOCIATES, INC.
1001 WARRENVILLE RD, SUITE 350
LISLE, IL 60532
TEL: (630) 487-5555
EMAIL: LESLEY.NETZER@KIMLEY-HORN.COM
CONTACT: LESLEY NETZER, P.E.

LANDSCAPE ARCHITECT
KIMLEY-HORN AND ASSOCIATES, INC.
1001 WARRENVILLE RD, SUITE 350
LISLE, IL 60532
TEL: (630) 487-3450
EMAIL: KEITH.DEMCHINSKI@KIMLEY-HORN.COM
CONTACT: KEITH DEMCHINSKI, P.L.A.

LEGAL DESCRIPTION

THAT PART OF LOT 1 IN ARLINGTON INDUSTRIAL & RESEARCH CENTER - UNIT NUMBER 6, BEING A SUBDIVISION OF SECTION 7, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THRID PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED ON AUGUST 22, 1972 AS DOCUMENT NUMBER 22024211, IN THE OFFICE OF RECORDER OF DEEDS OF COOK COUNTY, ILLINOIS, SAID PARTS LYING NORTH AND WEST OF A LINE DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID LOT 1; THENCE NORTH 11 DEGREES 17 MINUTES 16 SECONDS EAST, 36.44 FEET; THENCE NORTH 89 DEGREES 53 MINUTES 08 SECONDS EAST, 2145.54 FEET; THENCE NORTH 00 DEGREES 04 MINUTES 09 SECONDS EAST 372.77 FEET; THENCE NORTH 89 DEGREES 53 MINUTES 30 SECONDS EAST, 72.20 FEET TO THE EAST LINE OF LOT 1 AFORESAID, IN COOK COUNTY, ILLINOIS.



VILLAGE OF ARLINGTON HEIGHTS MONUMENT #8 (NAVD 1988 DATUM)

1" BRASS DISK ON THE EAST SIDE OF CONCRETE BASE FOR A LIGHT POLE APPROXIMATELY 42.5 FEET SOUTH OF THE CENTERLINE OF CELLULAR DRIVE AND 25' EAST OF THE CENTERLINE OF WILKE ROAD

ELEVATION=723.37

SITE BENCHMARKS:
(LOCATIONS SHOWN ON SURVEY)

SBM #1: SOUTHWEST BONNET BOLT ON FIRST FIRE HYDRANT SOUTH OF CELLULAR DRIVE NEAR SOUTHEAST ENTRANCE OF SITE ON WEST SIDE OF KENNICOTT AVENUE

ELEVATION=732.41

SBM #2: ARROW BOLT ON FIRE HYDRANT AT NORTHWEST CORNER OF BUILDING #1455 SOUTH OF SITE AT APPROXIMATELY MIDPOINT OF SOUTH LOT LINE OF SITE

ELEVATION=738.01

SBM #3: SOUTHWEST BONNET BOLT ON FIRST FIRE HYDRANT SOUTH OF SHURE DRIVE ON WEST SIDE OF KENNICOTT AVENUE

ELEVATION=737.10SBM #4: NORTHEAST BONNET BOLT ON FIRST FIRE HYDRANT SOUTH OF CELLULAR DRIVE NEAR SOUTHWEST ENTRANCE OF SIDE

ELEVATION=724.38

SBM #5: NORTHWEST BONNET BOLT ON FIRST FIRE HYDRANT EAST OF WILKE ROAD AT NORTHWEST CORNER OF SITE ON NORTH SIDE OF SHURE DRIVE

ELEVATION=725.95

SBM #6: NORTHEAST BONNET BOLT ON FOURTH FIRE HYDRANT EAST OF WILKE ROAD ON NORTH SIDE OF SHURE DRIVE

ELEVATION=740.22

DRAINAGE STATEMENT

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DRAINAGE OF SURFACE WATERS WILL NOT BE CHANGED BY THE PROPOSED DEVELOPMENT. IF ANY DRAINAGE PATTERNS WILL BE CHANGED, REASONABLE PROVISIONS HAVE BEEN MADE FOR THE COLLECTION AND DIVERSION OF SUCH SURFACE WATERS INTO THE PUBLIC AREA, OR SURFACE WATERS ARE PLANNED FOR IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES SO AS TO REDUCE THE LIKELIHOOD OF DAMAGES TO ADJOINING PROPERTIES.

DATED THIS 7TH DAY OF AUGUST , A.D., 2019.

IL LICENSED PROFESSIONAL ENGINEER 062-064543
MY LICENSE EXPIRES ON NOVEMBER 30, 2019

PROFESSIONAL ENGINEER'S CERTIFICATION

I, LESLEY NETZER, A LICENSED PROFESSIONAL ENGINEER OF IL, HEREBY CERTIFY THAT THIS SUBMISSION, PERTAINING ONLY TO THE "C" SERIES CIVIL SHEETS LISTED ABOVE, WAS PREPARED ON BEHALF OF TORBURN PARTNERS, INC. BY KIMLEY-HORN AND ASSOCIATES, INC. UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.

DATED THIS 25TH DAY OF JULY , A.D., 2019.

IL LICENSED PROFESSIONAL ENGINEER 062-064543
MY LICENSE EXPIRES ON NOVEMBER 30, 2019

KIMLEY-HORN ILLINOIS DESIGN FIRM REGISTRATION NO: 184002012

Kimley»Horn

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SCALE: AS NOTED

DESIGNED BY: SP

DRAWN BY: CPC

CHECKED BY: LEN

C O R G A N

TITLE SHEET

PARKING LOT ALTERATION
AND INTERIOR BUILDOUT

1501 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

ORIGINAL ISSUE:

5/22/19

KHA PROJECT NO.

168672001

SHEET NUMBER

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Drawing name: K:\SHE_DRAW\168672001_Corpn_UnitedBNC_Arlington High\LA_V_Design\CAD\PlotSheets\C1.0 - GENERAL NOTES.dwg
C1.0 Aug 06, 2019 2:27pm By: Travis.Gawinski
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GENERAL NOTES

- EXISTING SITE TOPOGRAPHY, UTILITIES, RIGHT-OF-WAY AND HORIZONTAL CONTROL SHOWN ON THE DRAWINGS WERE OBTAINED FROM A SURVEY PREPARED BY:
COMPASS SURVEYING, LTD
2631 GINGER WOODS PARKWAY, SUITE 100
AURORA, IL 60502
TEL. (630) 820-9100
COPIES OF THE SURVEY ARE AVAILABLE FROM THE ENGINEER. SITE CONDITIONS MAY HAVE CHANGED SINCE THE SURVEY WAS PREPARED. CONTRACTORS TO VISIT SITE TO FAMILIARIZE THEMSELVES WITH THE CURRENT CONDITIONS.
- COPIES OF SOILS INVESTIGATION REPORTS MAY BE OBTAINED FROM THE OWNER. ANY BRACING, SHEETING OR SPECIAL CONSTRUCTION METHODS DEEMED NECESSARY BY THE CONTRACTOR IN ORDER TO INSTALL THE PROPOSED IMPROVEMENTS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT. ANY ADDITIONAL SOILS DATA NEEDED TO CONFIRM THE CONTRACTOR'S OPINIONS OF THE SUBSOIL CONDITIONS SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL OBTAIN THE OWNER'S WRITTEN AUTHORIZATION TO ACCESS THE SITE TO CONDUCT A SUPPLEMENTAL SOILS INVESTIGATION.
- THE CONTRACTOR SHALL PHOTOGRAPH THE WORK AREA PRIOR TO CONSTRUCTION FOR THE PURPOSE OF DOCUMENTING EXISTING CONDITIONS.
- EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL PROPOSED WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS WHICH ARE HEREBY MADE A PART HEREOF:
 - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS," AS PREPARED BY IDOT, LATEST EDITION.
 - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" AS PUBLISHED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA), LATEST EDITION.
 - "ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS," AS PUBLISHED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA), LATEST EDITION.
 - REGULATIONS, STANDARDS AND GENERAL REQUIREMENTS SET FORTH BY THE MUNICIPALITY, UNLESS OTHERWISE NOTED ON THE PLANS.
 - THE NATIONAL ELECTRIC CODE.
 - ALL APPLICABLE PROVISIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT ARE HEREIN INCORPORATED BY REFERENCE.
- STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND RECURRING SPECIAL PROVISIONS, CONSTRUCTION PLANS, AND SUBSEQUENT DETAILS ARE ALL TO BE CONSIDERED AS PART OF THE CONTRACT. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THE CONTRACTOR'S WORK MAY NOT BE SPECIFICALLY NOTED, BUT ARE CONSIDERED A PART OF THE CONTRACTOR'S CONTRACT.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL ITEMS REQUIRED FOR CONSTRUCTION OF THE PROJECT, AS SHOWN ON THE PLANS, ARE INCLUDED IN THE CONTRACT. ANY ITEM NOT SPECIFICALLY INCLUDED IN THE CONTRACT, BUT SHOWN ON THE PLANS, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IN THE EVENT OF A DISCREPANCY WITH THE PLANS AND QUANTITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR HAVING A SET OF "APPROVED" ENGINEERING PLANS WITH THE LATEST REVISION DATE ON THE JOB SITE PRIOR TO THE START OF CONSTRUCTION. IF THERE ARE ANY DISCREPANCIES WITH WHAT IS SHOWN ON THE CONSTRUCTION PLANS, THE CONTRACTOR MUST IMMEDIATELY REPORT THEM TO THE SURVEYOR OR ENGINEER BEFORE DOING ANY WORK. OTHERWISE, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, SPECIFICATIONS, AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING. IF THE CONTRACTOR IS AFFECTED BY OMISSIONS OR DISCREPANCIES, FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT THE CONTRACTOR'S OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTIONS ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- THE CONTRACTOR SHALL SUBSCRIBE TO ALL GOVERNING REGULATIONS AND SHALL OBTAIN ALL NECESSARY PUBLIC AGENCY PERMITS PRIOR TO STARTING WORK. THE CONTRACTOR, BY USING THESE PLANS FOR THEIR WORK, AGREE TO HOLD HARMLESS KIMLEY-HORN AND ASSOCIATES, INC., THE MUNICIPALITY, THEIR EMPLOYEES AND AGENTS AND THE OWNER FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, DAMAGES, AND THE COST OF DEFENSE ARISING OUT OF THE CONTRACTOR(S) PERFORMANCE OF THE WORK DESCRIBED HEREIN.
- THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR EXECUTION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
- CONSTRUCTION MATERIALS AND/OR EQUIPMENT MAY NOT BE STORED IN THE RIGHT-OF-WAY, AS DIRECTED BY THE OWNER.
- EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHT-OF-WAYS ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT WITH LOCATIONS OF THE NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
- OWNER SHALL OBTAIN EASEMENTS AND APPROVAL OF PERMITS NECESSARY TO FACILITATE CONSTRUCTION OF THE PROPOSED UTILITIES. THE CONTRACTOR, HOWEVER, SHALL FURNISH ALL REQUIRED BONDS AND EVIDENCE OF INSURANCE NECESSARY TO SECURE THESE PERMITS AND EASEMENTS.
- THE CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES UNTIL THEY ARE NO LONGER NEEDED. ANY STAKES DESTROYED OR DISTURBED BY THE CONTRACTOR PRIOR TO THEIR USE SHALL BE RESET BY THE SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- NOTIFICATION OF COMMENCING CONSTRUCTION:
 - THE CONTRACTOR SHALL NOTIFY AFFECTED GOVERNMENTAL AGENCIES IN WRITING AT LEAST THREE FULL WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL NOTIFY, AS NECESSARY, ALL TESTING AGENCIES, THE MUNICIPALITY, AND THE OWNER SUFFICIENTLY IN ADVANCE OF CONSTRUCTION.
 - FAILURE OF THE CONTRACTOR TO ALLOW PROPER NOTIFICATION TIME WHICH RESULTS IN THE TESTING COMPANIES TO BE UNABLE TO VISIT THE SITE AND PERFORM TESTING WILL CAUSE THE CONTRACTOR TO SUSPEND THE OPERATION TO BE TESTED UNTIL THE TESTING AGENCY CAN SCHEDULE TESTING OPERATIONS. COST OF SUSPENSION OF WORK SHALL BE BORNE BY THE CONTRACTOR.
- ALL CONTRACTORS SHALL KEEP ACCESS AVAILABLE AT ALL TIMES FOR ALL EMERGENCY TRAFFIC, AS DIRECTED BY THE MUNICIPALITY.
- ANY EXISTING SIGNS, LIGHT STANDARDS, AND UTILITY POLES THAT INTERFERE WITH CONSTRUCTION OPERATIONS AND ARE NOT NOTED ON THE PLANS FOR DISPOSAL SHALL BE REMOVED AND RESET BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE, AS DIRECTED BY THE ENGINEER. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE OWNER. ANY SIGNS NOT REQUIRED TO BE RESET SHALL BE DELIVERED TO THE RESPECTIVE OWNERS.
- ALL TREES TO BE SAVED SHALL BE IDENTIFIED PRIOR TO CONSTRUCTION BY THE LANDSCAPE ARCHITECT AND SHALL BE PROTECTED PER DOT SECTION 201.05. THE RIGHT-OF-WAY LIMITS OF THE CONTRACTOR'S OPERATIONS SHALL BE CLEARLY DEFINED THROUGHOUT THE CONSTRUCTION PERIOD. ALL TREES NOTED TO REMAIN SHALL BE PROTECTED FROM DAMAGE TO TRUNKS, BRANCHES AND ROOTS. NO EXCAVATING, FILLING OR GRADING IS TO BE DONE INSIDE THE DRIP LINE OF TREES UNLESS OTHERWISE INDICATED.
- LIMB PRUNING SHALL BE PERFORMED UNDER THE SUPERVISION OF AN APPROVED LANDSCAPE ARCHITECT, FORESTER, OR ARBORIST AND SHALL BE UNDERTAKEN IN A TIMELY FASHION SO AS NOT TO INTERFERE WITH CONSTRUCTION. ALL LIMB BRANCHES, AND OTHER DEBRIS RESULTING FROM THE CONTRACTOR'S WORK SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. ALL CUTS OVER ONE (1) INCH IN DIAMETER SHALL BE PAINTED WITH AN APPROVED TREE PAINT.
- EXISTING PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAWCUT ALONG LIMITS OF PROPOSED REMOVAL BEFORE COMMENCEMENT OF PAVEMENT REMOVAL.
- EXISTING UTILITIES OR IMPROVEMENTS, INCLUDING WALKS, CURBS, PAVEMENT, AND PARKWAYS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE PROMPTLY RESTORED TO THEIR RESPECTIVE ORIGINAL CONDITION. THE CONTRACTOR'S WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNLESS A PAY ITEM IS LISTED ON THE BID LIST.
- REMOVAL OF SPECIFIED ITEMS, INCLUDING BUT NOT LIMITED TO, PAVEMENT, SIDEWALK, CURB, CURB AND GUTTER, CULVERTS, ETC., SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR ANY PERMITS REQUIRED FOR SUCH DISPOSAL.
- THE CONTRACTOR SHALL COLLECT AND REMOVE ALL CONSTRUCTION DEBRIS, EXCESS MATERIALS, TRASH, OIL AND GREASE RESIDUE, MACHINERY, TOOLS, AND OTHER MISCELLANEOUS ITEMS WHICH WERE NOT PRESENT PRIOR TO PROJECT COMMENCEMENT AT NO ADDITIONAL EXPENSE TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY AND ALL PERMITS NECESSARY FOR THE TONNAGE DISPOSAL REQUIRED FOR CLEANUP, AS DIRECTED BY THE ENGINEER OR OWNER. BURNING ON THE SITE IS NOT PERMITTED.
- NO UNDERGROUND WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE COVERED UNTIL IT HAS BEEN APPROVED BY THE MUNICIPALITY. APPROVAL TO PROCEED MUST BE OBTAINED FROM THE MUNICIPALITY PRIOR TO INSTALLING PAVEMENT BASE, BINDER, AND SURFACE, AND PRIOR TO POURING ANY CONCRETE AFTER FORMS HAVE BEEN SET, AS NECESSARY.
- WHERE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER, EXISTING DRAINAGE STRUCTURES AND PIPE SHALL BE CLEANED OF DEBRIS AND PATCHED AS NECESSARY TO ASSURE INTEGRITY OF THE STRUCTURE. THE CONTRACTOR'S WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE MERGED INTO THE CONTRACT UNIT PRICE EACH FOR STRUCTURES AND CONTRACT UNIT PRICE PER LINEAL FOOT FOR STORM SEWERS, WHICH SHALL BE PAYMENT IN FULL FOR CLEANING, PATCHING, REMOVAL, AND DISPOSAL OF DEBRIS AND DIRT. DRAINAGE STRUCTURES AND STORM SEWERS TO BE CONSTRUCTED AS PART OF THE CONTRACTOR'S PROJECT SHALL BE MAINTAINED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. NO EXTRA PAYMENT WILL BE MADE FOR CLEANING STRUCTURES OR STORM SEWERS CONSTRUCTED AS PART OF THE CONTRACTOR'S PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. THE ENGINEER DOES NOT WARRANT THE LOCATION OF ANY EXISTING UTILITIES SHOWN ON THE PLANS. THE CONTRACTOR SHALL CALL J.U.L.I.E. (1-800-892-0123) AND THE MUNICIPALITY FOR UTILITY LOCATIONS.
- THE GENERAL CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO PROVIDE CABLE TV, PHONE, ELECTRIC, GAS AND IRRIGATION SERVICES. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING SITE LAYOUTS FOR THESE UTILITIES AND SHALL COORDINATE AND PROVIDE CONDUIT CROSSINGS AS REQUIRED. THIS COORDINATION SHALL BE CONSIDERED INCIDENTAL TO GENERAL CONTRACTOR AGREEMENT WITH THE OWNER. ANY CONFLICTS IN UTILITIES SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR IS TO VERIFY ALL EXISTING STRUCTURES AND FACILITIES AT ALL PROPOSED UTILITY CONNECTION LOCATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL AND STARTING WORK.
- ALL FRAMES AND LIDS FOR STORM AND SANITARY SEWERS, VALVE VAULT COVERS, FIBE HYDRANTS, AND B-WOSES ARE TO BE ADJUSTED TO MEET FINISHED GRADE. THE CONTRACTOR'S ADJUSTMENT IS TO BE MADE BY THE SEWER AND WATER CONTRACTOR, AND THE COST IS TO BE CONSIDERED INCIDENTAL. THESE ADJUSTMENTS TO FINISHED GRADE WILL NOT ALLEVATE THE CONTRACTOR FROM ANY ADDITIONAL ADJUSTMENTS AS REQUIRED BY THE MUNICIPALITY UPON FINAL INSPECTION OF THE PROJECT.

- HYDRANTS SHALL NOT BE FLUSHED DIRECTLY ONTO THE ROAD SUBGRADES. WHENEVER POSSIBLE, HOSES SHALL BE USED TO DIRECT THE WATER INTO LOT AREAS OR THE STORM SEWER SYSTEM, IF AVAILABLE. DAMAGE TO THE ROAD SUBGRADE OR LOT GRADING DUE TO EXCESSIVE WATER SATURATION AND/OR FLOW FROM HYDRANT FLUSHING, OR FROM LEAKS IN THE WATER DISTRIBUTION SYSTEM, WILL BE REPAIRED BY THE CONTRACTOR FLUSHING OR USING THE HYDRANT AT THE CONTRACTOR'S OWN EXPENSE. LEAKS IN THE WATER DISTRIBUTION SYSTEM SHALL BE THE RESPONSIBILITY OF THE WATER MAIN CONTRACTOR AND SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- TRENCH BACKFILL WILL BE REQUIRED TO THE FULL DEPTH ABOVE SEWERS AND WATERMAIN WITHIN TWO (2) FEET HORIZONTAL OF PROPOSED OR EXISTING PAVEMENT.
- IF SOFT, SPONGY, OR OTHER UNSUITABLE SOILS WITH UNCONFINED COMPRESSIVE STRENGTH LESS THAN 0.5 TSI ARE ENCOUNTERED AT THE BOTTOM OF THE TRENCH, ALL SUCH MATERIAL SHALL BE REMOVED AND REPLACED WITH WELL-COMPACTED, CRUSHED LIMESTONE BEDDING MATERIAL. IF ROCK IS ENCOUNTERED, IT SHALL BE REMOVED TO AT LEAST SIX (6) INCHES BELOW THE BOTTOM OF THE PIPE TO ALLOW PROPER THICKNESS OF BEDDING. UNDERSTOPS OF TWO (2) FEET OR LESS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. DEPTHS GREATER THAN TWO (2) FEET SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PROCEEDING.
- THE TRENCHES FOR PIPE INSTALLATION SHALL BE KEPT DRY AT ALL TIMES DURING PIPE PLACEMENT. APPROPRIATE FACILITIES TO MAINTAIN THE DRY TRENCH SHALL BE PROVIDED BY THE CONTRACTOR, AND THE COST OF SUCH SHALL BE INCIDENTAL TO THE UNIT PRICE BID FOR THE ITEM. PLANS FOR THE SITE Dewatering, if employed, shall be submitted to and approved by the owner prior to implementation. no additional compensation shall be made for dewatering during construction unless approved in writing by the owner.
- AT THE CLOSE OF EACH WORKING DAY AND AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.
- EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH EPA REGULATIONS AND IDOT STANDARDS FOR SOIL EROSION AND SEDIMENTATION CONTROL AND SHALL BE MAINTAINED BY THE CONTRACTOR AND REMAIN IN PLACE UNTIL A SUITABLE GROWTH OF GRASS, ACCEPTABLE TO THE ENGINEER, HAS DEVELOPED.
- THE CONTRACTOR SHALL CONFORM TO ALL EROSION CONTROL REQUIREMENTS AS SET FORTH BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY THROUGH THE PERMIT PROGRAM AND ACCEPTABLE REQUIREMENTS AND GOVERNING MUNICIPALITY. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS INDICATED ON THE EROSION CONTROL DRAWINGS AND SPECIFICATIONS AS WELL AS THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE PROVISIONS INDICATED IN THE SWPPP AT A MINIMUM, INCLUDING EROSION CONTROL MEASURES AND INSPECTION FREQUENCY AS REQUIRED BY THE IEPA INDOCS PHASE II PERMIT PROGRAM REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL SWPPP DOCUMENTATION CURRENT AND READILY AVAILABLE ON THE PROJECT SITE AT ALL TIMES FOR REVIEW BY THE OWNER, ENGINEER, AND REGULATORY AGENCIES. KIMLEY-HORN AND ASSOCIATES, INC. IS NOT RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR. SUBSEQUENT TO THE REVIEW OF ANY VIOLATIONS, THE CONTRACTOR SHALL CORRECT OR ANY VIOLATIONS RESULTING FROM INADEQUATE EROSION CONTROL PROTECTION AND/OR DOCUMENTATION.
- THE PAVEMENT SHALL BE KEPT FREE OF MUD AND DEBRIS AT ALL TIMES. IT MAY BE NECESSARY TO KEEP A SWEEPER ON-SITE AT ALL TIMES.
- ALL DISTURBED AREAS OF THE RIGHT-OF-WAY SHALL BE FULLY RESTORED TO PRE-CONSTRUCTION CONDITIONS WITH A MINIMUM OF SIX (6) INCHES OF TOPSOIL, SEEDING, AND MULCH AS PER IDOT STANDARDS.
- ALL PROPOSED GRADES SHOWN ON PLANS ARE FINISHED SURFACE ELEVATIONS, UNLESS NOTED OTHERWISE.
- ALL TESTING SHALL BE THE RESPONSIBILITY AND EXPENSE OF THE CONTRACTOR. IF REQUESTED BY THE MUNICIPALITY OR ENGINEER, COPIES OF ALL TEST RESULTS SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW AND APPROVAL.
- PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS INDICATED BY SPOT ELEVATIONS. PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES. AVOID RIDGES AND DEPRESSIONS.
- WHEN REQUIRED, THE CONTRACTOR SHALL NOTIFY THE OWNER WHEN RECORD DRAWINGS CAN BE PREPARED. RECORD DRAWINGS SHALL INDICATE THE FINAL LOCATION AND LAYOUT OF ALL IMPROVEMENTS, INCLUDING VERIFICATION OF ALL CONCRETE PADS, INVERTS, RIM, AND SPOT GRADE ELEVATIONS, AND INCORPORATE ALL FIELD DESIGN CHANGES APPROVED BY THE OWNER.
- BEFORE ACCEPTANCE, ALL WORK SHALL BE INSPECTED BY THE MUNICIPALITY, AS NECESSARY.

EARTHWORK NOTES

- GENERAL
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE SOIL AND GROUNDWATER CONDITIONS AT THE SITE.
 - ANY QUANTITIES IN THE BID PROPOSAL ARE INTENDED AS A GUIDE FOR THE CONTRACTOR'S USE IN DETERMINING THE SCOPE OF THE COMPLETED PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES AND BE KNOWLEDGEABLE OF ALL SITE CONDITIONS.
 - THE CONTRACTOR WILL NOTE THAT THE ELEVATIONS SHOWN ON THE CONSTRUCTION PLANS ARE FINISHED GRADE AND THAT PAVEMENT THICKNESS, TOPSOIL, ETC., MUST BE ACCOUNTED FOR.
 - THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION AND PREVENT STORMWATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS. THE FAILURE TO PROVIDE PROPER DRAINAGE WILL BE CONSIDERED ANY POSSIBLE ADEQUATE COMPENSATION DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF. FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION, SEDIMENTATION, AND TRAFFIC.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE INITIAL ESTABLISHMENT OF EROSION CONTROL PROCEDURES AND THE PLACEMENT OF SIGNS AND FILTER FENCING, ETC., TO PROTECT ADJACENT PROPERTY, WETLANDS, ETC., SHALL OCCUR BEFORE GRADING BEGINS.
 - PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES, THE CONTRACTOR SHALL ERECT A CONSTRUCTION FENCE AROUND ANY TREE DESIGNATED TO BE PRESERVED. SAID FENCE SHALL BE PLACED IN A CIRCLE CENTERED AROUND THE TREE. THE DIAMETER OF WHICH SHALL BE SUCH THAT THE ENTIRE DRIP ZONE (EXTENT OF FURTHEST EXTENDING BRANCHES) SHALL BE WITHIN THE FENCE LIMITS. THE EXISTING GRADE WITHIN THE FENCED AREA SHALL NOT BE DISTURBED.
- TOPSOIL EXCAVATION INCLUDES:
 - EXCAVATION OF TOPSOIL AND OTHER STRUCTURALLY UNSUITABLE MATERIALS WITHIN THOSE AREAS THAT WILL REQUIRE EARTH EXCAVATION OR COMPACTED EARTH FILL MATERIAL. EXISTING VEGETATION SHALL BE REMOVED PRIOR TO STRIPPING TOPSOIL OR FILLING AREAS.
 - PLACEMENT OF EXCAVATED MATERIAL IN OWNER-DESIGNATED AREAS FOR FUTURE USE WITHIN AREAS TO BE LANDSCAPED AND THOSE AREAS NOT REQUIRING STRUCTURAL FILL MATERIAL. PROVIDE NECESSARY EROSION CONTROL MEASURES FOR STOCKPILE.
 - TOPSOIL STOCKPILED FOR RESPREAD SHALL BE FREE OF CLAY AND SHALL NOT CONTAIN ANY OF THE TRANSITIONAL MATERIAL BETWEEN THE TOPSOIL AND CLAY. THE TRANSITIONAL MATERIAL SHALL BE USED IN NON-STRUCTURAL FILL AREAS OR DISPOSED OF OFF-SITE.
 - TOPSOIL RESPREAD SHALL INCLUDE HAULING AND SPREADING SIX (6) INCHES OF TOPSOIL DIRECTLY OVER AREAS TO BE LANDSCAPED WHERE SHOWN ON THE PLANS OR AS DIRECTED BY THE OWNER.
 - MODERATE COMPACTION IS REQUIRED IN NON-STRUCTURAL FILL AREAS.
- EARTH EXCAVATION INCLUDES:
 - EXCAVATION OF SUBSURFACE MATERIALS WHICH ARE SUITABLE FOR USE AS STRUCTURAL FILL. THE EXCAVATION SHALL BE TO WITHIN A TOLERANCE OF 0.1 FEET OF THE PLAN SUBGRADE ELEVATIONS WHILE MAINTAINING PROPER DRAINAGE. THE TOLERANCE WITHIN PAVEMENT AREAS SHALL BE SUCH THAT THE EARTH MATERIALS SHALL "BALANCE" DURING THE FINE GRADING OPERATION.
 - PLACEMENT OF SUITABLE MATERIALS SHALL BE WITHIN THOSE AREAS REQUIRING STRUCTURAL FILL IN ORDER TO ACHIEVE THE PLAN SUBGRADE ELEVATIONS TO WITHIN A TOLERANCE OF 0.1 FEET. THE FILL MATERIALS SHALL BE PLACED IN LOOSE LIFTS THAT SHALL NOT EXCEED EIGHT (8) INCHES IN THICKNESS, AND THE WATER CONTENT SHALL BE ADJUSTED IN ORDER TO ACHIEVE REQUIRED COMPACTION.
 - STRUCTURAL FILL MATERIAL MAY BE PLACED WITHIN THOSE PORTIONS OF THE SITE NOT REQUIRING STRUCTURAL FILL. WITHIN SIX (6) INCHES OF THE PLAN FINISHED GRADE ELEVATION IN AREAS REQUIRING STRUCTURAL FILL, HOWEVER, THIS MATERIAL SHALL NOT BE PLACED OVER TOPSOIL OR OTHER UNSUITABLE MATERIALS UNLESS SPECIFICALLY DIRECTED BY A SOILS ENGINEER WITH THE CONCURRENCE OF THE OWNER.
 - COMPACTION OF SUITABLE MATERIALS SHALL BE TO AT LEAST 93% OF THE MODIFIED PROCTOR DRY DENSITY WITHIN PROPOSED PAVEMENT AREAS, SIDEWALK, ETC. COMPACTION SHALL BE AT LEAST 95% OF THE MODIFIED PROCTOR WITHIN PROPOSED BUILDING PAD AREAS.
 - UNSUITABLE MATERIAL: UNSUITABLE MATERIALS SHALL BE CONSIDERED MATERIAL THAT IS NOT SUITABLE FOR THE SUPPORT OF PAVEMENT AND BUILDING CONSTRUCTION, AND IS ENCOUNTERED BELOW NORMAL TOPSOIL DEPTHS AND THE PROPOSED SUBGRADE ELEVATION. THE DECISION TO REMOVE SAID MATERIAL AND TO WHAT EXTENT SHALL BE MADE BY THE SOILS ENGINEER WITH THE CONCURRENCE OF THE OWNER.
- MISCELLANEOUS. THE CONTRACTOR SHALL:
 - SPREAD AND COMPACT UNIFORMLY TO THE DEGREE SPECIFIED ALL EXCESS TRENCH SPOIL AFTER COMPLETION OF THE UNDERGROUND IMPROVEMENTS.
 - SCARIFY, DISC, AERATE, AND COMPACT, TO THE DEGREE SPECIFIED, THE UPPER TWELVE (12) INCHES OF THE SUITABLE SUBGRADE MATERIAL IN ALL AREAS THAT MAY BE SOFT DUE TO EXCESS MOISTURE CONTENT. THIS APPLIES TO CUT AREAS AS WELL AS FILL AREAS.
 - PROVIDE WATER TO ADD TO DRY MATERIAL IN ORDER TO ADJUST THE MOISTURE CONTENT FOR THE PURPOSE OF ACHIEVING THE SPECIFIED COMPACTION.
 - BACKFILL THE CURB AND GUTTER AFTER ITS CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE BASE COURSE MATERIAL.
 - TESTING AND FINAL ACCEPTANCE
 - THE CONTRACTOR SHALL PROVIDE AS A MINIMUM A FULLY LOADED SIX-WHEEL TANDEM AXLE TRUCK FOR PROOF ROLLING THE PAVEMENT SUBGRADE PRIOR TO THE PLACEMENT OF THE CURB AND GUTTER AND THE BASE MATERIAL. THIS SHALL BE WITNESSED BY THE SOILS ENGINEER AND THE OWNER. (SEE PAVING SPECIFICATION.)
 - ANY UNSUITABLE AREA ENCOUNTERED AS A RESULT OF PROOF ROLLING SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL OR OTHERWISE CORRECTED AND APPROVED BY THE ENGINEER.

PAVING NOTES

- GENERAL
 - PAVING WORK INCLUDES FINAL SUBGRADE SHAPING, PREPARATION, AND COMPACTION; PLACEMENT OF SUBGRADE OR BASE COURSE MATERIALS; BITUMINOUS BINDER AND/OR SURFACE COURSES; FORMING, FINISHING AND CURING CONCRETE PAVEMENT, CURBS, AND WALKS; AND FINAL CLEAN-UP AND ALL RELATED WORK.
 - COMPACTION REQUIREMENTS [REFERENCE ASTM D-1557 (MODIFIED PROCTOR)]: SUBGRADE = 93% SUBBASE = 93% AGGREGATE BASE COURSE = 95% BITUMINOUS COURSE = 95% OF MAXIMUM DENSITY, PER ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) HIGHWAY STANDARDS.
 - IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE PROPER BARRICADING WARNING DEVICES, AND THE SAFE MANAGEMENT OF TRAFFIC WITHIN THE AREA OF CONSTRUCTION. ALL SUCH DEVICES AND THEIR INSTALLATION SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION, AND IN ACCORDANCE WITH THE MUNICIPALITY CODE.
- SUBGRADE PREPARATION
 - EARTHWORK FOR PROPOSED PAVEMENT SUBGRADE SHALL BE FINISHED TO WITHIN 0.1 FOOT, PLUS OR MINUS, OF PLAN ELEVATION. THE CONTRACTOR SHALL CORR ON THAT THE SUBGRADE HAS BEEN PROPERLY PREPARED AND THAT THE FINISHED TOP SUBGRADE ELEVATION HAS BEEN GRADED WITHIN TOLERANCES ALLOWED IN THESE SPECIFICATIONS. UNLESS THE CONTRACTOR ADVISES THE ENGINEER IN WRITING PRIOR TO FINE GRADING FOR BASE COURSE CONSTRUCTION, IT IS UNDERSTOOD THAT THE CONTRACTOR HAS APPROVED AND ACCEPTS THE RESPONSIBILITY FOR THE SUBGRADE.
 - PRIOR TO THE PLACEMENT OF THE BASE COURSE, THE SUBGRADE MUST BE PROOF-ROLLED AND INSPECTED FOR UNSUITABLE MATERIALS AND/OR EXCESSIVE MOVEMENT. IF UNSUITABLE SUBGRADE IS ENCOUNTERED, IT SHALL BE CORRECTED. THIS MAY INCLUDE ONE OR MORE OF THE FOLLOWING METHODS:
 - SCARIFY, DISC, AND AERATE.
 - REMOVE AND REPLACE WITH STRUCTURAL CLAY FILL.
 - REMOVE AND REPLACE WITH GRANULAR MATERIAL.
 - USE OF GEOTEXTILE FABRIC.MAXIMUM DEFLECTION ALLOWED IN ISOLATED AREAS MAY BE ONE-QUARTER (1/4) INCH TO ONE-HALF (1/2) INCH IF NO DEFLECTION OCCURS OVER THE MAJORITY OF THE AREA.
 - PRIOR TO THE CONSTRUCTION OF THE CURB AND GUTTER AND THE PLACEMENT OF THE BASE MATERIAL, THE PAVEMENT AREA SHALL BE FINE-GRADED TO WITHIN 0.04 FEET (1/2 INCH) OF FINAL SUBGRADE ELEVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT THE PAVEMENT ENSURE THE PROPER THICKNESS OF PAVEMENT COURSES. NO CLAIMS FOR EXCESS QUANTITY OF BASE MATERIALS DUE TO IMPROPER SUBGRADE PREPARATION WILL BE HONORED.
 - PRIOR TO PLACEMENT OF THE BASE COURSE, THE SUBGRADE SHALL BE APPROVED BY THE TESTING ENGINEER.
- CONCRETE WORK
 - ALL EXTERIOR CONCRETE SHALL BE PORTLAND CEMENT CONCRETE WITH AIR ENTRAINMENT OF NOT LESS THAN FIVE (5%) OR MORE THAN EIGHT (8%) PERCENT. CONCRETE SHALL BE A MINIMUM OF SIX (6) BAG MIX AND SHALL DEVELOP A MINIMUM OF 4,000 PSI COMPRESSIVE STRENGTH AT TWENTY-EIGHT (28) DAYS. ALL CONCRETE SHALL BE BROOM-FINISHED PERPENDICULAR TO THE DIRECTION OF TRAVEL.
 - CONCRETE CURB AND/OR COMBINATION CURB AND GUTTER SHALL BE OF THE TYPE SHOWN ON THE PLANS. THE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR THE PAVEMENT CROSS SECTION TO DETERMINE THE GUTTER FLAG THICKNESS AND THE AGGREGATE BASE COURSE THICKNESS BENEATH THE CURB AND GUTTER. PERF-MOLDED FIBER EXPANSION JOINTS, WITH TWO 3/4-INCH BY 18-INCH EPOXY-COATED STEEL DOWEL BARS, SHALL BE GREASED AND FITTED WITH METAL EXPANSION TUBES.
 - CURBS SHALL BE DEPRESSED AND MEET THE SLOPE REQUIREMENTS OF THE ILLINOIS ACCESSIBILITY CODE AT LOCATIONS WHERE PUBLIC WALKS INTERSECT CURB LINES AND OTHER LOCATIONS, AS DIRECTED, FOR THE PURPOSE OF PROVIDING ACCESSIBILITY.
 - THE CURBS SHALL BE BACKFILLED AFTER THEIR CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE BASE COURSE.
 - CONCRETE SIDEWALK SHALL BE IN ACCORDANCE WITH THE ABOVE AND THE PLANS. PROVIDE SCORED JOINTS AT 5-FOOT INTERVALS AND 1/2-INCH PER-MOLDED FIBER EXPANSION JOINTS AT 20-FOOT INTERVALS AND ADJACENT TO CONCRETE CURBS, DRIVEWAYS, FOUNDATIONS, AND OTHER STRUCTURES.
 - CONCRETE CURING AND PROTECTION SHALL BE PER IDOT STANDARDS. TWO (2) COATS OF IDOT APPROVED CURING AGENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES.
 - THE COST OF AGGREGATE BASE OR SUBBASE UNDER CONCRETE WORK SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONCRETE ITEM.
- FLEXIBLE PAVEMENT
 - THE PAVEMENT MATERIALS FOR BITUMINOUS STREETS, PARKING LOTS, AND DRIVE AISLES SHALL BE AS DETAILED ON THE PLANS. UNLESS OTHERWISE SHOWN ON THE PLANS, THE FLEXIBLE PAVEMENTS SHALL CONSIST OF THE FOLLOWING: TYPE B, BITUMINOUS CONCRETE BINDER COURSE, SUPERPAV IL-19, NSQ, AND BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAV MIX NSQ, OF THE THICKNESS SPECIFIED ON THE PLANS. THICKNESSES SPECIFIED SHALL BE CONSIDERED TO BE THE MINIMUM COMPACTED THICKNESS.
 - PRIOR TO PLACEMENT OF THE SURFACE COURSE, THE BINDER COURSE SHALL BE CLEANED AND TACK-COATED IF DUSTY OR DIRTY. ALL DAMAGED AREAS IN THE BINDER, BASE, OR CURB SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER PRIOR TO LAYING THE SURFACE COURSE. THE CONTRACTOR SHALL PROVIDE EQUIPMENT AND STAFF CAPABLE OF APPLYING THE USE OF POWER BROOMS IF REQUIRED BY THE OWNER. TO PREPARE THE PAVEMENT FOR APPLICATION OF THE SURFACE COURSE, THE TACK COAT SHALL BE UNIFORM AND APPLIED TO THE SUBGRADE AT A RATE OF 0.05 TO 0.10 GALLONS PER SQUARE YARD. TACK COAT SHALL BE AS PER IDOT STANDARDS.
 - SEAMS IN BINDER AND SURFACE COURSE SHALL BE STAGGERED A MINIMUM OF 6 INCHES.
 - TESTING AND FINAL ACCEPTANCE.
 - THE CONTRACTOR SHALL FOLLOW THE QUALITY CONTROL TESTING PROGRAM FOR CONCRETE AND PAVEMENT MATERIALS ESTABLISHED BY THE TESTING ENGINEER.
 - PRIOR TO PLACEMENT OF THE BITUMINOUS CONCRETE SURFACE COURSE, THE CONTRACTOR, WHEN REQUIRED BY THE MUNICIPALITY, SHALL OBTAIN SPECIMENS OF THE BINDER COURSE WITH A CORE DRILL WHERE DIRECTED, FOR THE PURPOSE OF THICKNESS VERIFICATION.
 - WHEN REQUIRED BY THE MUNICIPALITY, THE CONTRACTOR SHALL OBTAIN SPECIMENS OF THE FULL DEPTH BITUMINOUS CONCRETE PAVEMENT STRUCTURE WITH A CORE DRILL WHERE DIRECTED IN ORDER TO CONFIRM THE PLAN THICKNESS. DEFICIENCIES IN THICKNESS SHALL BE ADJUSTED FOR BY THE METHOD REQUIRED BY IDOT STANDARDS.
 - FINAL ACCEPTANCE OF THE TOTAL PAVEMENT INSTALLATION SHALL BE SUBJECT TO THE TESTING AND CHECKING REQUIREMENTS CITED ABOVE.
- ALL MATERIAL AND CONSTRUCTION SHALL CONFORM TO THE MUNICIPALITY CODE. WHEN CONFLICTS ARISE BETWEEN MUNICIPAL CODE, GENERAL NOTES AND SPECIFICATIONS, THE MORE STRINGENT SHALL TAKE PRECEDENCE.

SIGNAGE AND PAVEMENT MARKING NOTES

- ALL SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARDS.
 - SIGNS: SIGNS SHALL BE CONSTRUCTED OF 0.080-INCH THICK FLAT ALUMINUM PANELS WITH REFLECTORIZED LEGEND ON THE FACE. LEGEND SHALL BE IN ACCORDANCE WITH THE MUTCD.
 - POSTS: SIGN POSTS SHALL BE A HEAVY-DUTY STEEL "J" SHAPED CHANNEL WEIGHING 30 POUNDS/FOOT, SUCH AS A TYPE B METAL POST, AS PER THE IDOT STANDARDS (OR 2-INCH PERFORATED STEEL TUBE).
 - SIGNS AND POSTS SHALL BE INSTALLED IN ACCORDANCE WITH IDOT STANDARDS.
 - PAVEMENT MARKINGS: ALL PAVEMENT MARKINGS IN THE PUBLIC RIGHT-OF-WAY, SUCH AS STOP LINES, CENTERLINES, CROSSWALKS, AND DIRECTIONAL ARROWS, SHALL BE REFLECTORIZED THERMOPLASTIC.
 - PAVEMENT MARKINGS ON BIKE PATHS, PARKING LOT STALLS, AND SIMILAR "LOW-WEAR" APPLICATIONS, SHALL BE PAINT IN ACCORDANCE WITH IDOT STANDARDS.
 - COLOR, WIDTH, STYLE, AND SIZE OF ALL MARKINGS SHALL BE IN ACCORDANCE WITH THE MUTCD AND LOCAL CODE. STANDARD PARKING SPACES SHALL BE PAINTED WHITE OR YELLOW PER LOCAL CODE.
 - THERMOPLASTIC MARKINGS SHALL BE INSTALLED WHEN THE PAVEMENT TEMPERATURE IS 55 DEGREES FAHRENHEIT AND RISNG. PAINT MARKINGS MAY BE INSTALLED WHEN THE AIR TEMPERATURE IS 50 DEGREES FAHRENHEIT AND RISING.
- ### SANITARY SEWER NOTES
- SANITARY SEWER PIPE: ALL SANITARY SEWER PIPE MATERIAL, SIZE AND TYPE SHALL BE INSTALLED AS INDICATED ON THE UTILITY PLANS. UNLESS OTHERWISE NOTED ON THE PLANS, ALL SANITARY SEWER PIPE SHALL BE POLYVINYL CHLORIDE PLASTIC PIPE (PVC SDR-26), CONFORMING TO ASTM D3034 AND D2241 WITH ANASTORIC GASKET JOINTS CONFORMING TO ASTM D3189 AND D3212. ANY CHANGES TO THE PIPE MATERIAL, SIZE AND TYPE MUST BE APPROVED BY THE OWNER, ENGINEER, AND MUNICIPALITY PRIOR TO ORDERING MATERIALS OR INSTALLING THE PIPE. ALL SANITARY SEWER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING:

PIPE SIZE	CODE	PIPE MATERIAL
12"-60"	RCP	REINFORCED CONCRETE PIPE (ASTM C76); SEE IDOT SPECS FOR PIPE CLASS
6"-12"	PVC	POLYVINYL CHLORIDE PLASTIC PIPE SDR-26 (ASTM D3034 AND D2241)
3"-48"	HDPE	HIGH DENSITY POLYETHYLENE PIPE
3"-48"	DIP	DUCTILE IRON PIPE, CLASS 52 (ANSI 21.51 AND AWWA C151)
 - BAND-SEAL OR SIMILAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED WHEN CONNECTING SEWER PIPES OF DISSIMILAR MATERIALS. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1/2" TO 1" IN SIZE WITH MINIMUM BEDDING THICKNESS EQUAL TO X THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NO LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. AS A MINIMUM, THE MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" OF THE STATE OF ILLINOIS OR ASTM C-33. THE GRADATION SHALL CONFORM TO GRADATION CA-11 OR CA-13 OF THE ILLINOIS STANDARD SPECIFICATIONS AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
 - ALL UNSUITABLE MATERIALS SHALL BE REMOVED BEFORE THE PROPOSED SANITARY SEWER AND REPLACED WITH COMPACTED CRUSHED GRAVEL OR STONE, AS PER IDOT STANDARDS.
 - ALL TRENCHES BENEATH PROPOSED OR EXISTING UTILITIES, PAVEMENTS, ROADWAYS, SIDEWALKS, AND FOR A DISTANCE OF TWO (2) FEET ON EITHER SIDE OF SAME, AND/OR WHERE SHOWN ON THE PLANS, SHALL BE BACKFILLED WITH SELECT GRANULAR BACKFILL PER IDOT STANDARDS AND THOROUGHLY MECHANICALLY COMPACTED IN 9-INCH THICK (LOOSE MEASUREMENT) LAYERS. JETTING WITH WATER IS NOT PERMITTED.

- ALL SANITARY SEWERS ARE TO BE CONSTRUCTED USING A LASER INSTRUMENT TO MAINTAIN LINE AND GRADE.
- CONNECTIONS TO EXISTING SANITARY SEWER SYSTEM SHALL NOT BE DONE UNTIL AUTHORIZED BY THE MUNICIPALITY.
- WATERMANS SHALL BE SEPARATED FROM SANITARY SEWERS AND STORM SEWERS IN ACCORDANCE WITH ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA) REQUIREMENTS, AS SPECIFIED IN THE STANDARDS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS.
- NO WATER LINE SHALL BE PLACED IN THE SAME TRENCH AS A SEWER LINE, EXCEPT UNDER SPECIAL CIRCUMSTANCES AND THEN ONLY UNDER THE FOLLOWING RULES:
 - IF NECESSARY PERMISSION SHALL BE OBTAINED FROM THE MUNICIPALITY IN WRITING PRIOR TO BEGINNING CONSTRUCTION.
 - THE BOTTOM OF A WATER LINE SHALL BE INSTALLED ON A SHELF A MINIMUM OF 18 INCHES ABOVE THE TOP OF THE SEWER AND 18 INCHES HORIZONTALLY AWAY FROM THE EDGE OF THE SEWER.
- ALL SANITARY MANHOLES (AND STORM MANHOLES IN COMBINED SEWER AREAS) SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE. A WATERIGHT BOOT, CONFORMING TO ASTM C-923, SHALL BE USED AT THE PIPE-STRUCTURE CONNECTION.
- ALL PIPE CONNECTION OPENINGS SHALL BE PRECAST WITH RESILIENT RUBBER WATER-TIGHT SLEEVES. THE BOTTOM OF THE MANHOLE SHALL HAVE A CONCRETE BENCH POURED TO FACILITATE SMOOTH FLOWS.
- FRAMES AND LIDS: SEE DETAILS FOR ALL SANITARY SEWER MANHOLE FRAMES AND LIDS. THE LIDS SHALL HAVE RECESSED (CONCEALED) POOL HOLE AND BE SELF-SEALING WITH AN "OT RING GASKET. THE LIDS SHALL HAVE THE WORD "SANITARY" EMBOSSED ON THE SURFACE. THE JOINTS BETWEEN THE FRAME AND CONCRETE SECTION SHALL BE SEALED WITH A BUTYL ROPE.
- A MAXIMUM OF TWELVE (12) INCHES OF CONCRETE-ADJUSTING RINGS SHALL BE USED TO ADJUST FRAME ELEVATIONS. RINGS SHALL BE SEALED TOGETHER WITH BUTYL ROPE.
- CLEANING: ALL MANHOLES AND PIPES SHALL BE THOROUGHLY CLEANED OF DIRT AND DEBRIS, AND ALL VISIBLE LEAKAGE ELIMINATED, BEFORE FINAL INSPECTION AND ACCEPTANCE.
- TESTING: DEFLECTION, AIR, AND LEAKAGE TESTING WILL BE REQUIRED. THE PROCEDURE AND ALLOWABLE TESTING LIMITS SHALL BE IN ACCORDANCE WITH THE STANDARDS FOR SEWER AND WATER MAIN CONSTRUCTION IN ILLINOIS.
- TESTING THE ALIGNMENT/STRAIGHTNESS SHALL BE IN ACCORDANCE WITH THE MUNICIPALITY CODE.
- TELEVISION: IF REQUIRED BY THE MUNICIPALITY, ALL SANITARY SEWERS SHALL BE TELEVIEWED, AND A COPY OF THE TAPE AND A WRITTEN REPORT SHALL BE SUBMITTED AND REVIEWED BY THE MUNICIPALITY BEFORE FINAL ACCEPTANCE. THE REPORT SHALL INCLUDE STUB LOCATION AS WELL AS A DESCRIPTION OF ALL DEFECTS, WATER LEAK, LEAKS, AND LENGTHS. IDENTIFY MANHOLE TO MANHOLE BOTH VERBALLY AND ON-SCREEN USING MANHOLE NUMBERS FROM APPROVED PLANS. ORDER OF WRITTEN REPORT SHALL BE THE SAME AS THE VIDEOS.
- TEST RESULTS: IF THE SANITARY SEWER INSTALLATION FAILS TO MEET THE TEST REQUIREMENTS SPECIFIED, THE CONTRACTOR SHALL DETERMINE THE CAUSE OR CAUSES OF THE DEFECT AND REPAIR, OR REPLACE ALL MATERIALS AND WORKMANSHIP, AS MAY BE NECESSARY TO COMPLY WITH THE TEST REQUIREMENTS.
- CERTIFICATION: CONTRACTOR SHALL SUBMIT CERTIFIED COPIES OF ALL REPORTS OF TESTS CONDUCTED BY AN INDEPENDENT LABORATORY BEFORE INSTALLATION OF PVC PLASTIC PIPE. TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH STANDARD METHOD OF TEST FOR "EXTERNAL LOADING REQUIREMENTS OF PLASTIC PIPE BY PARALLEL PLATE LOADING," ASTM STANDARDS D-2241, AS APPROPRIATE FOR THE PIPE, TO BE USED. TESTS SHALL ALSO BE CONDUCTED TO DEMONSTRATE JOINT PERFORMANCE AT FIVE (5) PERCENT MAXIMUM DIAMETRIC DEFLECTION OF THE SPIGOT.
- CONTRACTOR SHALL VERIFY THAT THE TESTING METHODS DESIGNATED HEREIN ARE ACCEPTABLE TO THE LOCAL AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT.

STORM SEWER NOTES

- STORM SEWER PIPE: ALL STORM SEWER PIPE MATERIAL, SIZE AND TYPE SHALL BE INSTALLED AS INDICATED ON THE UTILITY PLAN. UNLESS OTHERWISE NOTED ON THE PLANS, ALL STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE, IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS FOR DETERMINING PIPE CLASS AND CONFORMING TO ASTM C76. ANY CHANGES TO THE PIPE MATERIAL, SIZE AND TYPE MUST BE APPROVED BY THE OWNER, ENGINEER AND MUNICIPALITY PRIOR TO ORDERING MATERIALS OR INSTALLING THE PIPE. ALL STORM SEWER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING:

PIPE SIZE	CODE	PIPE MATERIAL
12"-60"	RCP	REINFORCED CONCRETE PIPE (ASTM C76); SEE IDOT SPECS FOR PIPE CLASS
6"-12"	PVC	POLYVINYL CHLORIDE PLASTIC PIPE SDR-26 (ASTM D3034 AND D2241)
3"-48"	HDPE	HIGH DENSITY POLYETHYLENE PIPE
3"-48"	DIP	DUCTILE IRON PIPE, CLASS 52 (ANSI 21.51 AND AWWA C151)
- BAND-SEAL OR SIMILAR COUPLING SHALL BE USED WHEN JOINING SEWER PIPES OF DISSIMILAR MATERIALS.
- ALL FOOTING DRAIN DISCHARGE PIPES AND DOWN SPOUTS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
- CONSTRUCTION: ALL STORM SEWERS ARE TO BE CONSTRUCTED USING A LASER INSTRUMENT TO MAINTAIN LINE AND GRADE.
- COVER: THE CONTRACTOR SHALL MAINTAIN AT LEAST TWO (2) FEET OF COVER OVER THE TOP OF SHALLOW PIPES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL MOUND OVER ANY PIPES THAT HAVE LESS THAN TWO (2) FEET OF COVER DURING CONSTRUCTION UNTIL THE AREA IS FINAL GRADED OR PAVED.
- STRUCTURES: MANHOLE, CATCH BASIN, AND INLET BOTTOMS SHALL BE PRECAST CONCRETE SECTIONAL UNITS OR MONOLITHIC CONCRETE. MANHOLES AND CATCH BASINS SHALL BE A MINIMUM OF FOUR (4) FEET IN DIAMETER UNLESS OTHERWISE SPECIFIED ON THE PLANS. STRUCTURE JOINTS SHALL BE SEALED WITH "O" RING OR BUTYL ROPE. A MAXIMUM OF TWELVE (12) INCHES OF ADJUSTING RINGS SHALL BE USED.
- A CONCRETE BENCH TO DIRECT FLOWS SHALL BE CONSTRUCTED IN THE BOTTOM OF ALL INLETS AND MANHOLES.
- THE FRAME, GATE, AND/OR CLOSED LID SHALL BE CAST IRON OF THE TYPE SHOWN ON THE PLANS.
- CLEANING: THE STORM SEWER SYSTEM SHALL BE THOROUGHLY CLEANED PRIOR TO FINAL INSPECTION AND TESTING.
- THE STORM SEWER SHALL BE TELEVIEWED IF REQUIRED BY THE MUNICIPALITY.
- MANHOLES, CATCH BASINS, INLETS, FRAMES, GRATES, AND OTHER STRUCTURES SHALL BE CONSTRUCTED OF THE TYPE, STYLE, AND SIZE AS SET FORTH WITH THE ORDINANCES AND STANDARDS OF THE MUNICIPALITY.
- ALL PVC PIPES CONNECTED TO REINFORCED CONCRETE PIPE SHALL BE CORED AND BOOTED PER THE MUNICIPALITY REQUIREMENTS.

PARKING LOT ALTERATION
AND INTERIOR BUILDOUT

ORIGINAL ISSUE:
5/22/19
KHA PROJECT NO.
168672001
SHEET NUMBER

C1.0

Kimley»Horn

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SCALE: AS NOTED
DESIGNED BY: SUP
DRAWN BY: GPC
CHECKED BY: LEN

C O R G A N

GENERAL NOTES

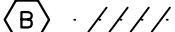
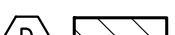
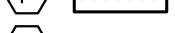
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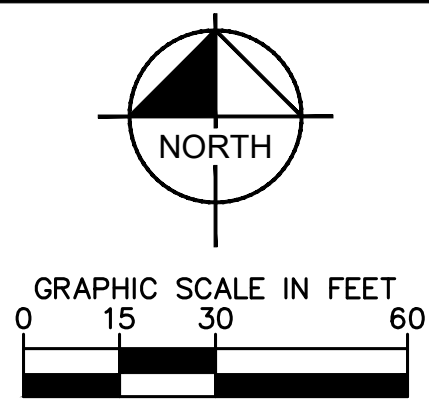
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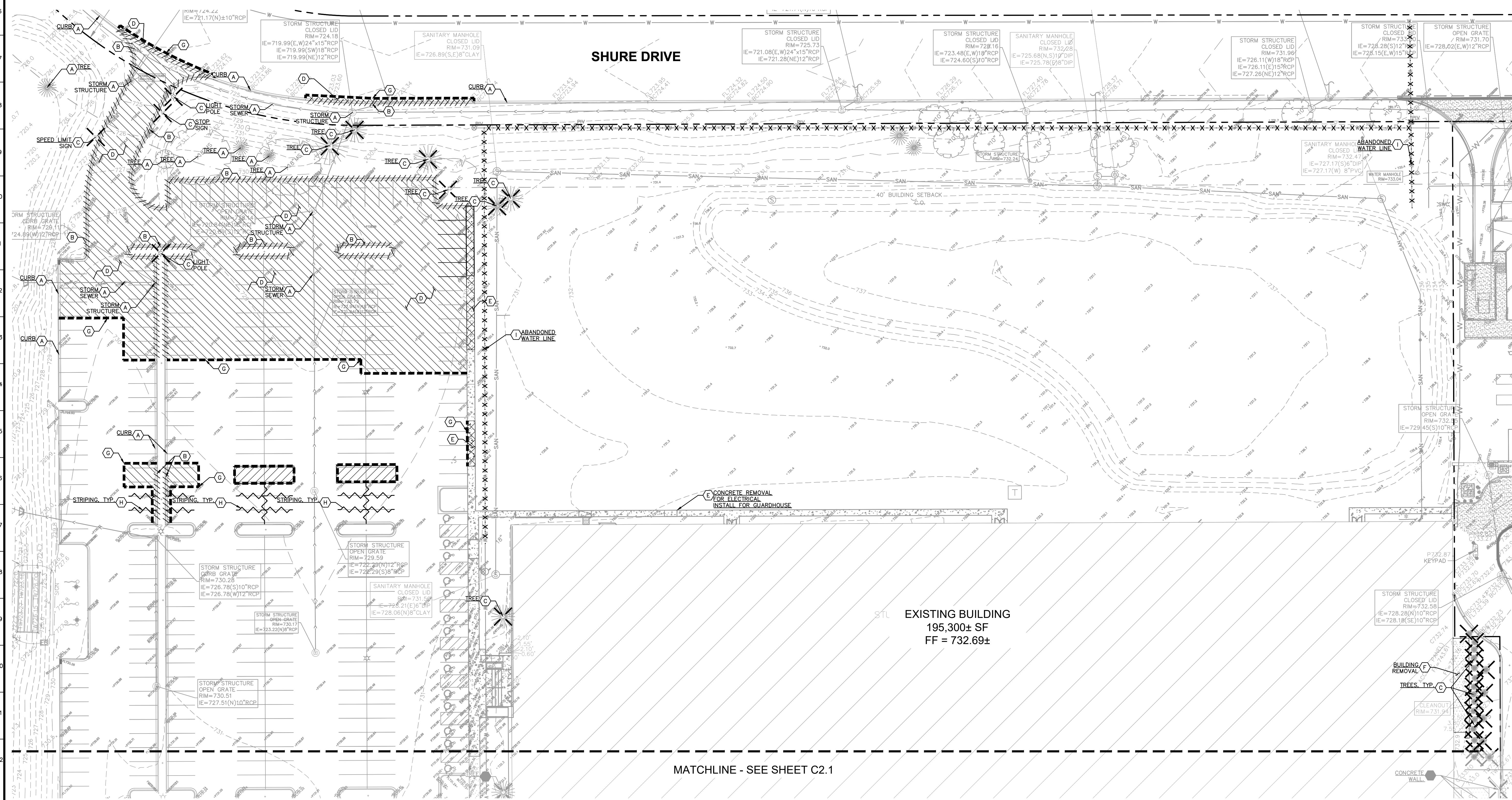
DEMOLITION NOTES	
1. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.	ABANDONED ARE TO BE CAPPED AT BOTH ENDS AND FILLED WITH FA-1 OR APPROVED EQUAL. ALL UNDERGROUND UTILITIES TO BE REMOVED ARE TO BE BACKFILLED WITH ENGINEERED FILL OR SELECT EXCAVATED MATERIAL, AS APPROVED BY THE GEOTECHNICAL ENGINEER. TO 95% OF MODIFIED PROCTOR DENSITY WITHIN PAVED AREAS AND TO 90% OF MODIFIED PROCTOR DENSITY FOR GREASEY SPACE AREAS IN ACCORDANCE WITH THE EARROWHILL SPECIFICATIONS. ALL PRIVATE UTILITIES (ELECTRIC, CABLE, TELEPHONE, FIBER OPTIC, GAS) SHALL BE REMOVED AND RELOCATED PER THE UTILITY OWNER AND THE LOCAL MUNICIPALITY'S REQUIREMENTS.
2. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.	
3. THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT. CONTRACTOR SHALL NOT DEMOLISH ANYTHING OUTSIDE THE OWNERS LEASE/PROPERTY LINE UNLESS SPECIFICALLY MENTIONED ON THIS SHEET.	11. UNDERGROUND UTILITIES SHOWN ARE BASED ON ATLASES AND AVAILABLE INFORMATION PRESENTED AT THE TIME OF SURVEY. CONTRACTOR SHOULD CALL "JULIE" (1-800-892-0123) TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY. CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UNDERGROUND AND OVERHEAD UTILITIES DURING CONSTRUCTION. UTILITY PROTECTION SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY OWNER AND AS DIRECTED BY THE GOVERNING MUNICIPALITY. DAMAGED CABLES/CONDUITS SHALL BE REPLACED IMMEDIATELY. ALL EXISTING STRUCTURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PROCESS. ALL DAMAGED STRUCTURES SHALL BE REPLACED IN-KIND AND THEIR REPLACEMENT COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. PROPER NOTIFICATION TO THE OWNERS OF THE EXISTING UTILITIES SHALL BE MADE AT LEAST 48 HOURS BEFORE CONSTRUCTION COMMENCES.
4. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.	12. USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR TO THE LOWEST LEVEL. COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION. SEE EROSION CONTROL SHEETS FOR FURTHER EROSION CONTROL REQUIREMENTS.
5. IF DEMOLITION OR CONSTRUCTION ON SITE WILL INTERFERE WITH THE ADJACENT PROPERTY OWNER'S TRAFFIC FLOW, THE CONTRACTOR SHALL COORDINATE WITH ADJACENT PROPERTY OWNER, TO MINIMIZE THE IMPACT ON TRAFFIC FLOW. TEMPORARY RE-ROUTING OF TRAFFIC IS TO BE ACCOMPLISHED BY USING IDOT APPROVED TRAFFIC BARRICADES, BARRELS, AND/OR CONES. TEMPORARY SIGNAGE AND FLAGMEN MAY BE ALSO NECESSARY.	13. COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF STRUCTURES TO THE FINAL LINES AND GRADES SHOWN ON THE CONTRACT DOCUMENTS. BACKFILL MATERIAL SHALL BE IDOT APPROVED CRUSHED LIMESTONE (CA-6) OR APPROVED EQUAL. USE SATISFACTORY SOIL MATERIALS CONSISTING OF STONE, GRAVEL AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS AND OTHER ORGANIC MATTER. PRIOR TO PLACEMENT OF FILL MATERIALS, ENSURE THAT AREAS TO BE FILLED ARE FREE OF STANDING WATER, FROST, FROZEN MATERIAL, TRASH AND DEBRIS. PLACE FILL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 9" IN LOOSE DEPTH. COMPACT EACH LAYER AT OPTIMUM MOISTURE CONTENT OF FILL MATERIAL TO 95% OF MODIFIED PROCTOR DENSITY UNLESS SUBSEQUENT EXCAVATION FOR NEW WORK IS REQUIRED.
6. QUANTITIES DEPICTED ON THIS SHEET SHALL SERVE AS A GUIDE ONLY. CONTRACTOR TO VERIFY ALL DEMOLITION QUANTITIES.	
7. REFER TO GEOTECHNICAL REPORT PROVIDED BY OTHERS FOR ALL SUBSURFACE INFORMATION.	
8. EROSION CONTROL MUST BE ESTABLISHED PRIOR TO ANY WORK ON SITE INCLUDING DEMOLITION.	
9. THE EXTENT OF SITE DEMOLITION WORK IS AS SHOWN ON THE CONTRACT DOCUMENTS AND AS SPECIFIED HEREIN.	
10. EXISTING UTILITIES, WHICH DO NOT SERVICE STRUCTURES BEING DEMOLISHED, ARE TO BE KEPT IN SERVICE AND PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS. CONTRACTOR SHALL ARRANGE FOR SHUT-OFF OF UTILITIES SERVING STRUCTURES TO BE DEMOLISHED. CONTRACTOR IS RESPONSIBLE FOR TURNING OFF, DISCONNECTING, AND SEALING INDICATED UTILITIES BEFORE STARTING DEMOLITION OPERATIONS. EXISTING UTILITIES TO BE	

DEMOLITION LEGEND

	ITEM TO REMAIN, PROTECT DURING CONSTRUCTION
	CURB REMOVAL
	ITEM TO BE REMOVED
	FULL-DEPTH ASPHALT REMOVAL
	CONCRETE REMOVAL
	BUILDING REMOVAL
	SAWCUT LINE
	STRIPING REMOVAL
	PREVIOUSLY ABANDONED UTILITY LINE



WARNING: CONTRACTOR TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.



EXISTING BUILDING
195,300± SF
FF = 732.69±

C2.0

Drawing name: K:\CHS_LDEV\168672001_Corgon_UnitedBNO\Arlington Height_IL\2 Design\CAD\PlanSheets\C2.0 - EXISTING CONDITIONS & DEMOLITION PLAN.dwg C2.0 Aug 08, 2019 2:27pm by: Travis.Cysewski
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DEMOLITION NOTES

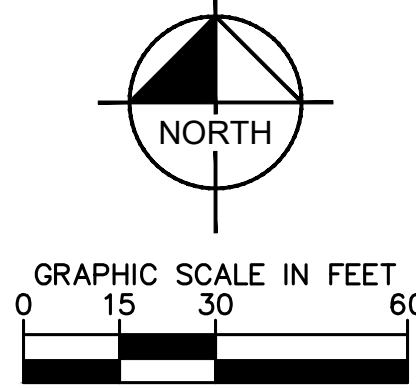
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.
- CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT. CONTRACTOR SHALL NOT DEMOLISH ANYTHING OUTSIDE THE OWNERS LEASE/PROPERTY LINE UNLESS SPECIFICALLY MENTIONED ON THIS SHEET.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE, THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
- IF DEMOLITION OR CONSTRUCTION ON SITE WILL INTERFERE WITH THE ADJACENT PROPERTY OWNER'S TRAFFIC FLOW, THE CONTRACTOR SHALL COORDINATE WITH ADJACENT PROPERTY OWNER, TO MINIMIZE THE IMPACT ON TRAFFIC FLOW. TEMPORARY RE-ROUTING OF TRAFFIC IS TO BE ACCOMPLISHED BY USING IDOT APPROVED TRAFFIC BARRICADES, BARRELS, AND/OR CONES. TEMPORARY SIGNAGE AND FLAGMEN MAY BE ALSO NECESSARY.
- QUANTITIES DEPICTED ON THIS SHEET SHALL SERVE AS A GUIDE ONLY. CONTRACTOR TO VERIFY ALL DEMOLITION QUANTITIES.
- REFER TO GEOTECHNICAL REPORT PROVIDED BY OTHERS FOR ALL SUBSURFACE INFORMATION.
- EROSION CONTROL MUST BE ESTABLISHED PRIOR TO ANY WORK ON SITE INCLUDING DEMOLITION.
- THE EXTENT OF SITE DEMOLITION WORK IS AS SHOWN ON THE CONTRACT DOCUMENTS AND AS SPECIFIED HEREIN.
- EXISTING UTILITIES, WHICH DO NOT SERVICE STRUCTURES BEING DEMOLISHED, ARE TO BE KEPT IN SERVICE AND PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS. CONTRACTOR SHALL ARRANGE FOR SHUT-OFF OF UTILITIES SERVING STRUCTURES TO BE DEMOLISHED. CONTRACTOR IS RESPONSIBLE FOR TURNING OFF, DISCONNECTING, AND SEALING INDICATED UTILITIES BEFORE STARTING DEMOLITION OPERATIONS. EXISTING UTILITIES TO BE

- ABANDONED ARE TO BE CAPPED AT BOTH ENDS AND FILLED WITH FA-1 OR APPROVED EQUAL. ALL UNDERGROUND UTILITIES TO BE REMOVED ARE TO BE BACKFILLED WITH ENGINEERED FILL OR SELECT EXCAVATED MATERIAL, AS APPROVED BY THE GEOTECHNICAL ENGINEER, TO 95% OF MODIFIED PROCTOR DENSITY WITHIN PAVED AREAS AND TO 90% OF MODIFIED PROCTOR DENSITY FOR GREEN SPACE AREAS, IN ACCORDANCE WITH THE EARTHWORK SPECIFICATIONS. ALL PRIVATE UTILITIES (ELECTRIC, CABLE, TELEPHONE, FIBER OPTIC, GAS) SHALL BE REMOVED AND RELOCATED PER THE UTILITY OWNER AND THE LOCAL MUNICIPALITY'S REQUIREMENTS.
- UNDERGROUND UTILITIES SHOWN ARE BASED ON ATLASES AND AVAILABLE INFORMATION PRESENTED AT THE TIME OF SURVEY. CONTRACTOR SHOULD CALL 'JULIE' (1-800-892-0123) TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY. CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UNDERGROUND AND OVERHEAD UTILITIES DURING CONSTRUCTION. UTILITY PROTECTION SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY OWNER AND AS DIRECTED BY THE COVERING MUNICIPALITY. DAMAGED CABLES/CONDUITS SHALL BE REPLACED IMMEDIATELY. ALL EXISTING STRUCTURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PROCESS. ALL DAMAGED STRUCTURES SHALL BE REPLACED IN-KIND AND THEIR REPLACEMENT COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. PROPER NOTIFICATION TO THE OWNERS OF THE EXISTING UTILITIES SHALL BE MADE AT LEAST 48 HOURS BEFORE CONSTRUCTION COMMENCES.
 - USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR TO THE LOWEST LEVEL. COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION. SEE EROSION CONTROL SHEETS FOR FURTHER EROSION CONTROL REQUIREMENTS.
 - COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF STRUCTURES TO THE FINAL LINES AND GRADES SHOWN ON THE CONTRACT DOCUMENTS. BACKFILL MATERIAL SHALL BE IDOT APPROVED CRUSHED LESTONE (CA-6) OR APPROVED EQUAL. USE SATISFACTORY SOIL MATERIALS CONSISTING OF STONE, GRAVEL AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS AND OTHER ORGANIC MATTER. PRIOR TO PLACEMENT OF FILL MATERIALS, ENSURE THAT AREAS TO BE FILLED ARE FREE OF STANDING WATER, FROST, FROZEN MATERIAL, TRASH AND DEBRIS. PLACE FILL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 9" IN LOOSE DEPTH. COMPACT EACH LAYER AT OPTIMUM MOISTURE CONTENT OF FILL MATERIAL TO 95% OF MODIFIED PROCTOR DENSITY UNLESS SUBSEQUENT EXCAVATION FOR NEW WORK IS REQUIRED.

DEMOLITION LEGEND

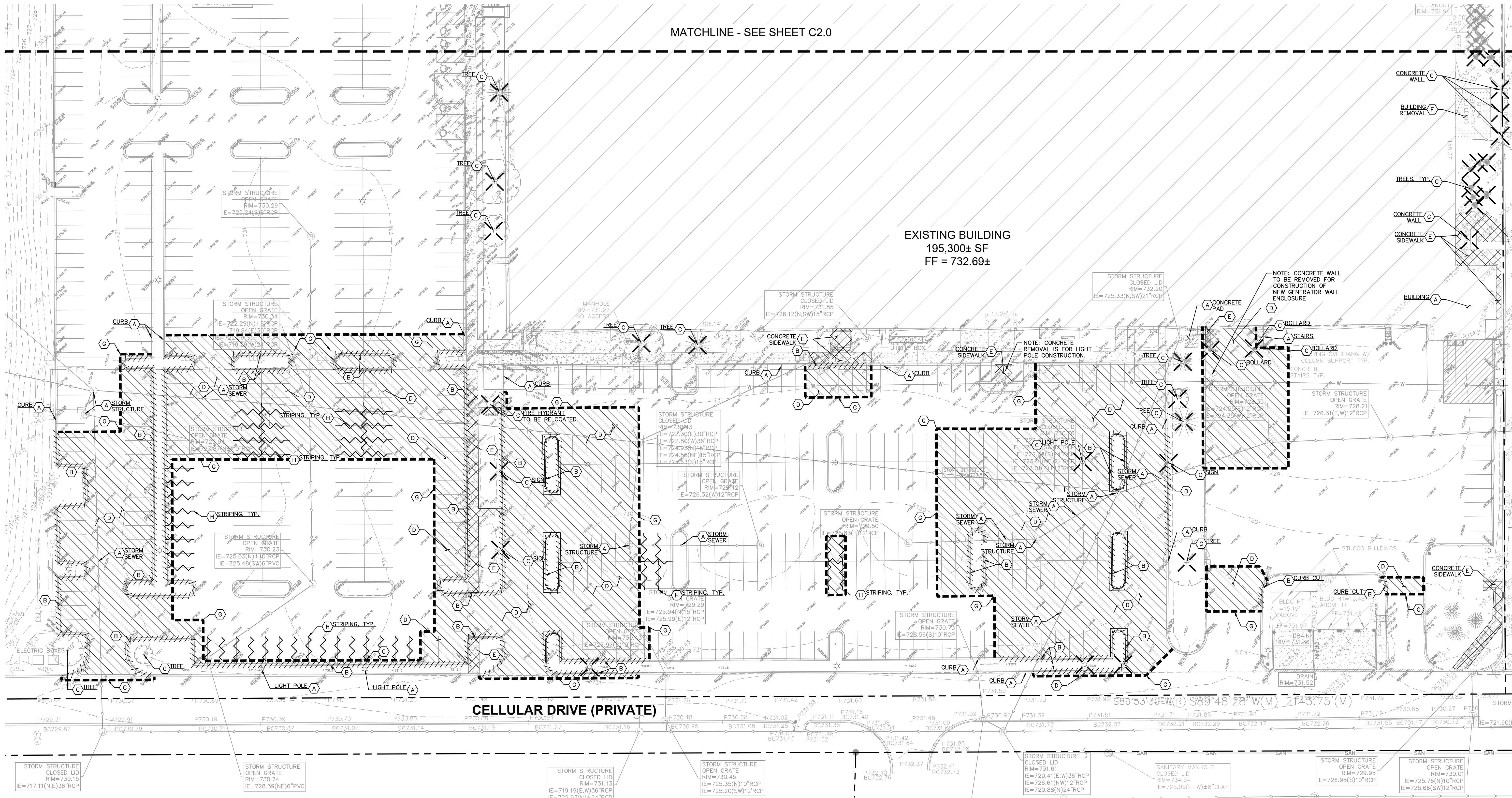
- | | |
|-------------------------|---|
| (A) | ITEM TO REMAIN, PROTECT DURING CONSTRUCTION |
| (B) - - - - | CURB REMOVAL |
| (C) X | ITEM TO BE REMOVED |
| (D) [Hatched Box] | FULL-DEPTH ASPHALT REMOVAL |
| (E) [Cross-hatched Box] | CONCRETE REMOVAL |
| (F) [Dotted Box] | BUILDING REMOVAL |
| (G) - - - - | SAWCUT LINE |
| (H) [Wavy Line] | STRIPING REMOVAL |

WARNING: CONTRACTOR TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.



MATCHLINE - SEE SHEET C2.0

EXISTING BUILDING
195,300± SF
FF = 732.69±



Kimley»Horn © 2019 KIMLEY-HORN AND ASSOCIATES, INC. 1001 WARRENVILLE ROAD, SUITE 350, Lisle, IL 60532 WWW.KIMLEY-HORN.COM	
SCALE: AS NOTED	DESIGNED BY: SJP
	DRAWN BY: CPC
	CHECKED BY: LEN
EXISTING PARKING LOT ALTERATION AND INTERIOR BUILDOUT DEMOLITION PLAN (SOUTH)	
ORIGINAL ISSUE: 5/22/19	
KHA PROJECT NO. 168672001	
SHEET NUMBER C2.1	

1. ALL DIMENSIONS REFER TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
2. RADII ADJACENT TO PARKING STALL AND NOT DIMENSIONED ON THIS PLAN SHALL BE 3- FEET, TYPICAL.
3. ALL PROPOSED ON-SITE STRIPING SHALL BE PAINTED UNLESS OTHERWISE NOTED.

PHASE 1		
STANDARD PARKING SPACES PROVIDED	=	543 SPACES
ACCESSIBLE PARKING SPACES REQUIRED	=	11 SPACES
ACCESSIBLE PARKING SPACES PROVIDED	=	16 SPACES
TOTAL PARKING SPACES PROVIDED	=	559 SPACES
PHASE 2 (FUTURE)		
PHASE 1 PARKING SPACES REMOVED	=	-3 SPACES
PHASE 2 STANDARD SPACES PROVIDED	=	340 SPACES
ACCESSIBLE PARKING SPACES PROVIDED	=	2 SPACES
TOTAL PARKING SUMMARY		
ACCESSIBLE PARKING SPACES REQUIRED	=	18 SPACES
ACCESSIBLE PARKING SPACES PROVIDED	=	18 SPACES
TOTAL PARKING SPACES PROVIDED	=	898 SPACES

	STANDARD DUTY ASPHALT PAVEMENT SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION
	HEAVY DUTY ASPHALT PAVEMENT SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION
	CONCRETE SIDEWALK SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION
	STANDARD PITCH CONCRETE CURB AND GUTTER
	REVERSE PITCH CONCRETE CURB AND GUTTER
	CONCRETE DEPRESSED CURB AND GUTTER
	EDGE OF PAVEMENT LINE
	SECURITY FENCE

EXISTING DETENTION POND
MAXIMUM HWL = 725.60

EXISTING BUILDING
195,300± SF
FF = 732.69±

SHURE DRIVE

CELLULAR DRIVE (PRIVATE)

Kimley»Horn
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1001 WARRENVILLE ROAD, SUITE 350,
LISLE, IL 60532
PHONE: 630-487-5550
WWW.KIMLEY-HORN.COM

SCALE:	AS NOTED
DESIGNED BY:	SJP
DRAWN BY:	CPC
CHECKED BY:	LEN

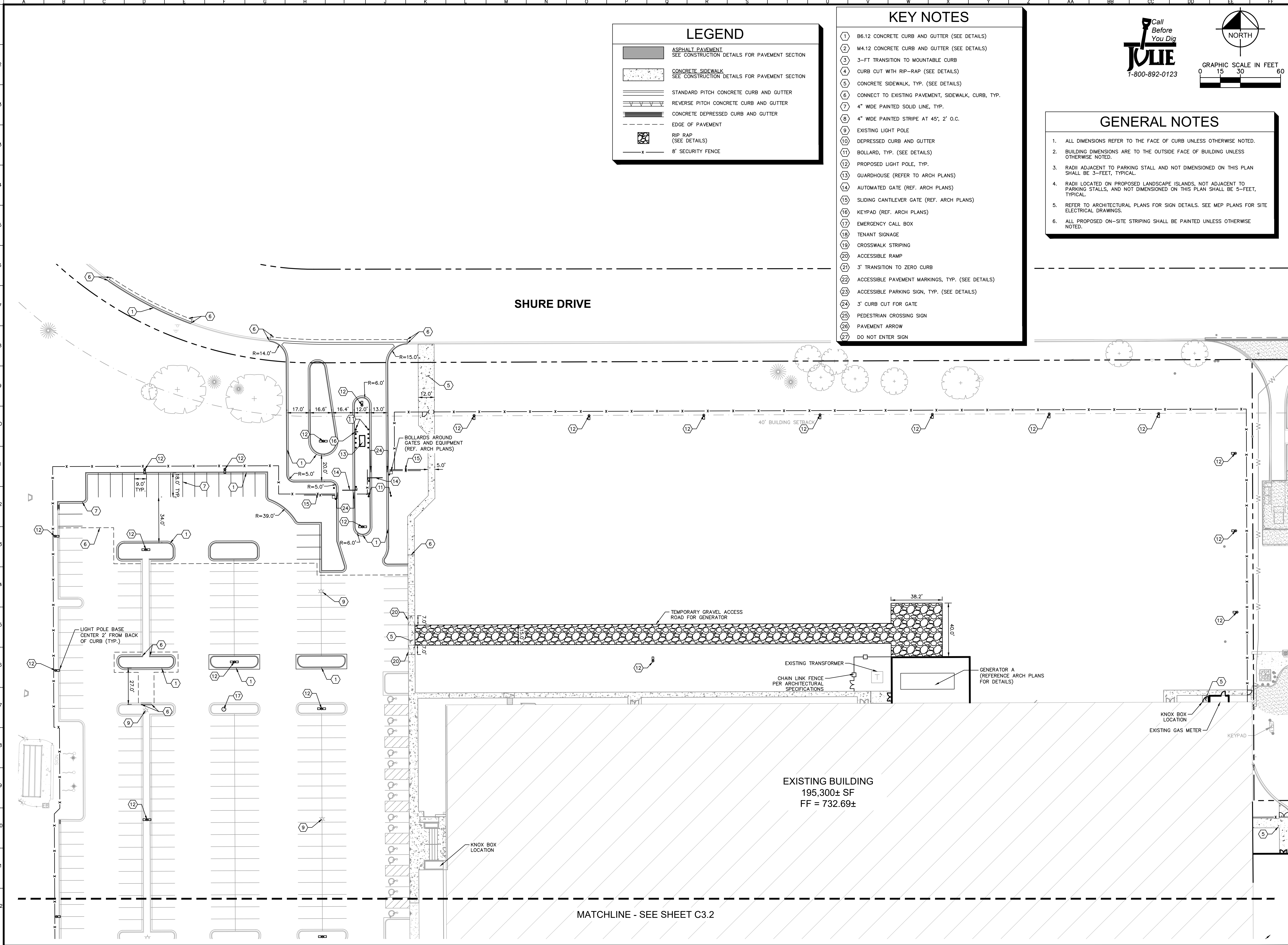
OVERALL SITE PLAN

**PARKING LOT ALTERATION
AND INTERIOR BUILDOUT**
1501 SHAURE DRIVE
ARLINGTON HEIGHTS, IL 60004

ORIGINAL ISSUE:
5/22/19
KHA PROJECT NO
168672001
SHEET NUMBER

C3.0

Drawing name: K:\GHS_LIB\168672001_Corpan_UnitedBNC\ Arlington Heights\LLV Design\CAD\PlanSheets\C3.1 - SITE PLAN.dwg C3.1 Aug 08, 2019 2:27pm by Troia,Czeslawski
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LEGEND

ASPHALT PAVEMENT
SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION

CONCRETE SIDEWALK
SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION

STANDARD PITCH CONCRETE CURB AND GUTTER

REVERSE PITCH CONCRETE CURB AND GUTTER

CONCRETE DEPRESSED CURB AND GUTTER

EDGE OF PAVEMENT

RIP RAP
(SEE DETAILS)

8' SECURITY FENCE

KEY NOTES

1

B6.12 CONCRETE CURB AND GUTTER (SEE DETAILS)

2

M4.12 CONCRETE CURB AND GUTTER (SEE DETAILS)

3

3-FT TRANSITION TO MOUNTABLE CURB

4

CURB CUT WITH RIP-RAP (SEE DETAILS)

5

CONCRETE SIDEWALK, TYP. (SEE DETAILS)

6

CONNECT TO EXISTING PAVEMENT, SIDEWALK, CURB, TYP.

7

4" WIDE PAINTED SOLID LINE, TYP.

8

4" WIDE PAINTED STRIPE AT 45°, 2' O.C.

9

EXISTING LIGHT POLE

10

DEPRESSED CURB AND GUTTER

11

BOLLARD, TYP. (SEE DETAILS)

12

PROPOSED LIGHT POLE, TYP.

13

GUARDHOUSE (REFER TO ARCH PLANS)

14

AUTOMATED GATE (REF. ARCH PLANS)

15

SLIDING CANTILEVER GATE (REF. ARCH PLANS)

16

KEYPAD (REF. ARCH PLANS)

17

EMERGENCY CALL BOX

18

TENANT SIGNAGE

19

CROSSWALK STRIPING

20

ACCESSIBLE RAMP

21

3' TRANSITION TO ZERO CURB

22

ACCESSIBLE PAVEMENT MARKINGS, TYP. (SEE DETAILS)

23

ACCESSIBLE PARKING SIGN, TYP. (SEE DETAILS)

24

3' CURB CUT FOR GATE

25

PEDESTRIAN CROSSING SIGN

26

PAVEMENT ARROW

27

DO NOT ENTER SIGN

GENERAL NOTES

1.

ALL DIMENSIONS REFER TO THE FACE OF CURB UNLESS OTHERWISE NOTED.

2.

BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.

3.

RADIi ADJACENT TO PARKING STALL AND NOT DIMENSIONED ON THIS PLAN SHALL BE 3- FEET, TYPICAL.

4.

RADIi LOCATED ON PROPOSED LANDSCAPE ISLANDS, NOT ADJACENT TO PARKING STALLS, AND NOT DIMENSIONED ON THIS PLAN SHALL BE 5- FEET, TYPICAL.

5.

REFER TO ARCHITECTURAL PLANS FOR SIGN DETAILS. SEE MEP PLANS FOR SITE ELECTRICAL DRAWINGS.

6.

ALL PROPOSED ON-SITE STRIPING SHALL BE PAINTED UNLESS OTHERWISE NOTED.

Call Before You Dig

1-800-892-0123

NORTH

GRAPHIC SCALE IN FEET

0 15 30 60

Kimley»Horn

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Lisle, IL 60532-5550
WWW.KIMLEY-HORN.COM

AS NOTED

DESIGNED BY: SJP

DRAWN BY: CPC

CHECKED BY: LEN

C O R P A T I O N

SITE PLAN
(NORTH)

PARKING LOT ALTERATION
AND INTERIOR BUILDOUT

1501 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

ORIGINAL ISSUE:
5/22/19

KHA PROJECT NO.
168672001

SHEET NUMBER
C3.1

VILLAGE COMMENTS/MWRD SUBMITTAL

07/25/19

VILLAGE COMMENTS/PUD COMMENTS

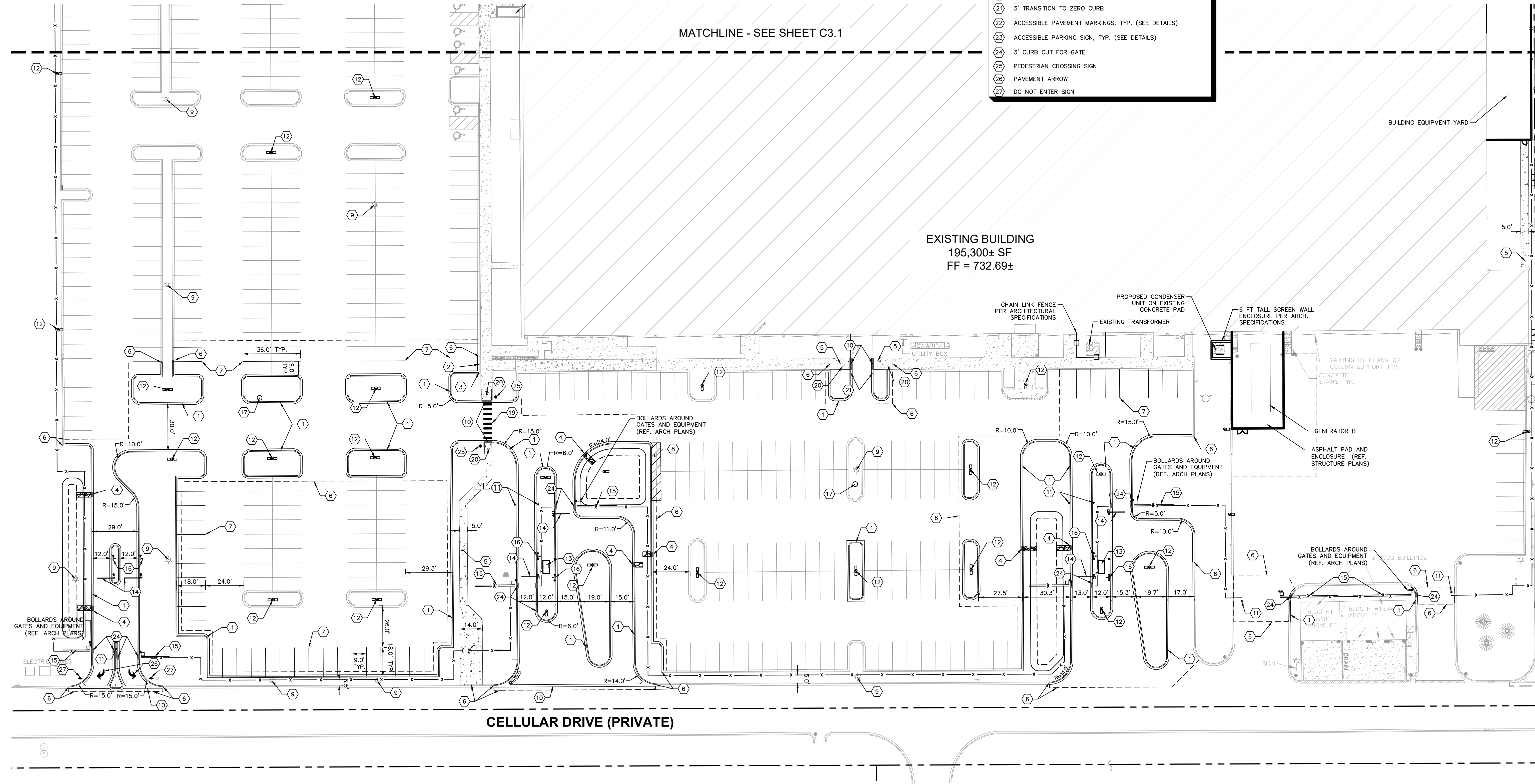
08/07/19

REVISIONS

DATE

BY

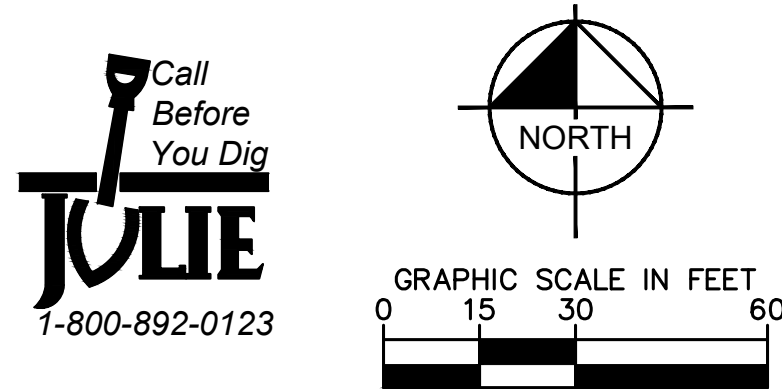
Drawing name: K:\GHS_LDEV\168672001_Corpan_UnitedBNC-Arlington High\LLV Design\CAD\PlanSheets\C3.1 - SITE PLAN.dwg C3.2 Aug 08, 2019 2:27pm by Trovka,Cesawski
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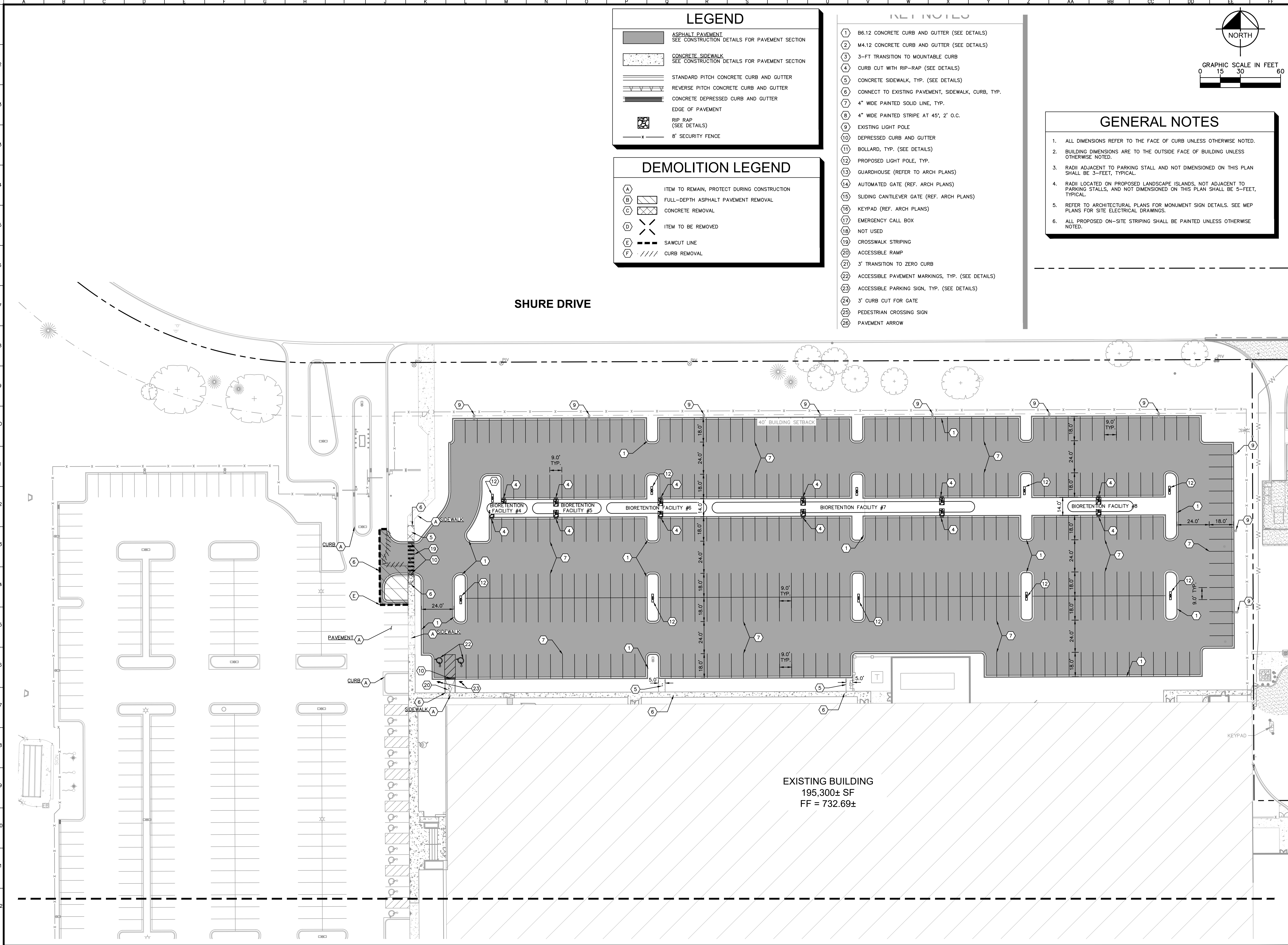
LEGEND	
	ASPHALT PAVEMENT SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION
	CONCRETE SIDEWALK SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION
	STANDARD PITCH CONCRETE CURB AND GUTTER
	REVERSE PITCH CONCRETE CURB AND GUTTER
	CONCRETE DEPRESSED CURB AND GUTTER
	EDGE OF PAVEMENT
	RIP RAP (SEE DETAILS)
	8' SECURITY FENCE

KEY NOTES	
1	B6.12 CONCRETE CURB AND GUTTER (SEE DETAILS)
2	M4.12 CONCRETE CURB AND GUTTER (SEE DETAILS)
3	3-FT TRANSITION TO MOUNTABLE CURB
4	CURB CUT WITH RIP-RAP (SEE DETAILS)
5	CONCRETE SIDEWALK, TYP. (SEE DETAILS)
6	CONNECT TO EXISTING PAVEMENT, SIDEWALK, CURB, TYP.
7	4" WIDE PAINTED SOLID LINE, TYP.
8	4" WIDE PAINTED STRIPE AT 45°, 2' O.C.
9	EXISTING LIGHT POLE
10	DEPRESSED CURB AND GUTTER
11	BOLLARD, TYP. (SEE DETAILS)
12	PROPOSED LIGHT POLE, TYP.
13	GUARDHOUSE (REFER TO ARCH PLANS)
14	AUTOMATED GATE (REF. ARCH PLANS)
15	SLIDING CANTILEVER GATE (REF. ARCH PLANS)
16	KEYPAD (REF. ARCH PLANS)
17	EMERGENCY CALL BOX
18	TENANT SIGNAGE
19	CROSSWALK STRIPING
20	ACCESSIBLE RAMP
21	3' TRANSITION TO ZERO CURB
22	ACCESSIBLE PAVEMENT MARKINGS, TYP. (SEE DETAILS)
23	ACCESSIBLE PARKING SIGN, TYP. (SEE DETAILS)
24	3' CURB CUT FOR GATE
25	PEDESTRIAN CROSSING SIGN
26	PAVEMENT ARROW
27	DO NOT ENTER SIGN

GENERAL NOTES	
1.	ALL DIMENSIONS REFER TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
2.	BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
3.	RADIi ADJACENT TO PARKING STALL AND NOT DIMENSIONED ON THIS PLAN SHALL BE 3- FEET, TYPICAL.
4.	RADIi LOCATED ON PROPOSED LANDSCAPE ISLANDS, NOT ADJACENT TO PARKING STALLS, AND NOT DIMENSIONED ON THIS PLAN SHALL BE 5- FEET, TYPICAL.
5.	REFER TO ARCHITECTURAL PLANS FOR MONUMENT SIGN DETAILS. SEE MEP PLANS FOR SITE ELECTRICAL DRAWINGS.
6.	ALL PROPOSED ON-SITE STRIPING SHALL BE PAINTED UNLESS OTHERWISE NOTED.



PARKING LOT ALTERATION AND INTERIOR BUILDOUT		SITE PLAN (SOUTH)		 C O R G A N				SCALE: AS NOTED DESIGNED BY: SJP DRAWN BY: CFC CHECKED BY: LEN		Kimley»Horn © 2019 KIMLEY-HORN AND ASSOCIATES, INC. 1001 WARENVILLE ROAD, SUITE 350, LISLE, IL 60532-2559 PHONE: 630-487-5550 WWW.KIMLEY-HORN.COM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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[illegible]

LEGEND	
	<u>ASPHALT PAVEMENT</u> SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION
	<u>CONCRETE SIDEWALK</u> SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION
	STANDARD PITCH CONCRETE CURB AND GUTTER
	REVERSE PITCH CONCRETE CURB AND GUTTER
	CONCRETE DEPRESSED CURB AND GUTTER
	EDGE OF PAVEMENT
	RIP RAP (SEE DETAILS)
	8' SECURITY FENCE

DEMOLITION LEGEND

(A)			ITEM TO REMAIN, PROTECT DURING CONSTRUCTION
(B)			FULL-DEPTH ASPHALT PAVEMENT REMOVAL
(C)			CONCRETE REMOVAL
(D)			ITEM TO BE REMOVED
(E)			SAWCUT LINE
(F)			CURB REMOVAL

- 1 B6.12 CONCRETE CURB AND GUTTER (SEE DETAILS)
- 2 M4.12 CONCRETE CURB AND GUTTER (SEE DETAILS)
- 3 3-F TRANSITION TO MOUNTABLE CURB
- 4 CURB CUT WITH RIP-RAP (SEE DETAILS)
- 5 CONCRETE SIDEWALK, TYP. (SEE DETAILS)
- 6 CONNECT TO EXISTING PAVEMENT, SIDEWALK, CURB, TYP.
- 7 4" WIDE PAINTED SOLID LINE, TYP.
- 8 4" WIDE PAINTED STRIPE AT 45'; 2' O.C.
- 9 EXISTING LIGHT POLE
- 10 DEPRESSED CURB AND GUTTER
- 11 BOLLARD, TYP. (SEE DETAILS)
- 12 PROPOSED LIGHT POLE, TYP.
- 13 GUARDHOUSE (REFER TO ARCH PLANS)
- 14 AUTOMATED GATE (REF. ARCH PLANS)
- 15 SLIDING CANTILEVER GATE (REF. ARCH PLANS)
- 16 KEYPAD (REF. ARCH PLANS)
- 17 EMERGENCY CALL BOX
- 18 NOT USED
- 19 CROSSWALK STRIPING
- 20 ACCESSIBLE RAMP
- 21 3' TRANSITION TO ZERO CURB
- 22 ACCESSIBLE PAVEMENT MARKINGS, TYP. (SEE DETAILS)
- 23 ACCESSIBLE PARKING SIGN, TYP. (SEE DETAILS)
- 24 3' CURB CUT FOR GATE
- 25 PEDESTRIAN CROSSING SIGN
- 26 PAVEMENT AROUND

GENERAL NOTES

1. ALL DIMENSIONS REFER TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
2. BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
3. RADII ADJACENT TO PARKING STALL AND NOT DIMENSIONED ON THIS PLAN SHALL BE 3- FEET, TYPICAL.
4. RADII LOCATED ON PROPOSED LANDSCAPE ISLANDS, NOT ADJACENT TO PARKING STALLS, AND NOT DIMENSIONED ON THIS PLAN SHALL BE 5- FEET, TYPICAL.
5. REFER TO ARCHITECTURAL PLANS FOR MONUMENT SIGN DETAILS. SEE MEP PLANS FOR SITE ELECTRICAL DRAWINGS.
6. ALL PROPOSED ON-SITE STRIPING SHALL BE PAINTED UNLESS OTHERWISE NOTED.

GRAPHIC SCALE IN FEET

0 15 30 60

	VILLAGE COMMENTS/MWRD SUBMITTAL	07/25/19	LEN
	VILLAGE COMMENTS/PUD COMMENTS	08/07/19	LEN
No.	REVISIONS	DATE	RY
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SCALE:	AS NOTED
DESIGNED BY:	SJP
DRAWN BY:	CPC
CHECKED BY:	LEN

CORGAN

SITE PLAN (PHASE 2)

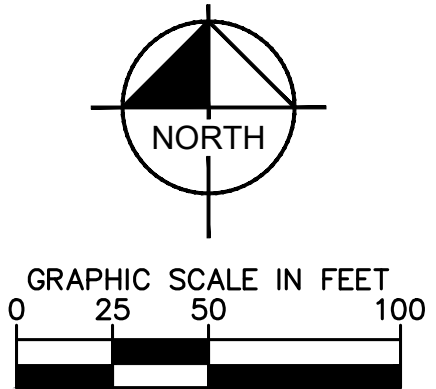
**PARKING LOT ALTERATION
AND INTERIOR BUILDOUT**
1501 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

ORIGINAL ISSUE:
5/22/19
KHA PROJECT NO.
168672001

C3.3

I. ROUGH GRADING	CONSTRUCTION ENTRANCE/EXIT, SILT FENCE PROTECTION, CONCRETE WASHOUT AREA AND TREE PROTECTION SHALL BE INSTALLED PRIOR TO THE INITIATION OF ROUGH GRADING, AS NEEDED. TEMPORARY EROSION CONTROL MEASURES TO BE INSTALLED UPON COMPLETION OF ROUGH GRADING AND AS NECESSARY THROUGHOUT CONSTRUCTION.
II. UTILITY INSTALLATION	ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED AS NECESSARY DURING UTILITY INSTALLATION. STORM STRUCTURE INLET PROTECTION SHALL BE INSTALLED AS STORM DRAINAGE SYSTEM IS CONSTRUCTED.
III. PAVING	ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED AS NECESSARY DURING PAVING AND THROUGHOUT THE REMAINDER OF THE PROJECT.
IV. FINAL GRADING/SOIL STABILIZATION AT CONCLUSION OF THE PROJECT AS DIRECTED BY THE LOCAL MUNICIPALITY.	ALL TEMPORARY EROSION CONTROL MEASURES TO BE REMOVED AT THE CONCLUSION OF THE PROJECT AS DIRECTED BY THE LOCAL MUNICIPALITY.

		TEMPORARY SEEDING (SEE EROSION CONTROL DETAILS)
		TEMPORARY EROSION CONTROL BLANKET (SEE EROSION CONTROL NOTE #7)
		CONSTRUCTION ENTRANCE (SEE EROSION CONTROL DETAILS)
		SILT FENCE (SEE EROSION CONTROL DETAILS)
		INLET PROTECTION (SEE EROSION CONTROL DETAILS)
		CONCRETE WASHOUT (SEE EROSION CONTROL DETAILS) (TO BE DETERMINED BY CONTRACTOR)
		TREE PROTECTION (SEE EROSION CONTROL DETAILS)
		RIP RAP (SEE DETAILS)
		LIMITS OF DISTURBANCE
		EXISTING CONTOURS
		PROPOSED CONTOURS



1. CONSTRUCTION ENTRANCE SHALL BE LOCATED SO AS TO PROVIDE THE LEAST AMOUNT OF DISTURBANCE TO THE FLOW OF TRAFFIC IN AND OUT OF THE SITE. ADDITIONALLY, CONSTRUCTION ENTRANCE SHALL BE LOCATED TO CONDUCE THE PHASING OF THE PAVEMENT REPLACEMENT.
2. POST CONSTRUCTION STORM WATER POLLUTION CONTROL MEASURES INCLUDE STABILIZATION BY PERMANENT PAVING, DRAINAGE SYSTEM STRUCTURE, OR LANDSCAPING.
3. TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AT THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE. AS AN EXAMPLE, PERIMETER SILT FENCE SHALL BE INSTALLED IMMEDIATE COMMENCEMENT OF ANY GRADING ACTIVITIES. OTHER BMP'S SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAINTAINED UNTIL FINAL SITE STABILIZATION IS ATTAINED. CONTRACTOR SHALL ALSO REFERENCE CIVIL AND LANDSCAPE PLANS FOR PERMANENT STABILIZATION IS PROVIDED BY LANDSCAPING, THE BUILDING(S), AND SITE PAVING.
4. BMP'S HAVE BEEN LOCATED AS INDICATED ON THIS PLAN IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN ORDER TO MINIMIZE SEDIMENT TRANSFER. FOR EXAMPLE: SILT FENCES LOCATED AT TOE OF SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT FROM SITE RUN-OFF.
5. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.
6. ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR DEVIATIONS FROM THOSE SHOWN ON THE APPROVED PLANS WILL REQUIRE A REVISION AND MUST BE APPROVED BY THE REVIEWING ENGINEER, ENVIRONMENTAL SPECIALIST, OR ARBORIST AS APPROPRIATE. MAJOR REVISIONS MUST BE PRE-APPROVED BY THE PLANNING DEPARTMENT, PERMITMENT AND THE DRAINAGE/UTILITY DEPARTMENT. MINOR CHANGES OR ADDITIONAL CONTROL MEASURES TO BE MADE AS FIELD REVISIONS TO THE EROSION AND SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE ENVIRONMENTAL INSPECTOR DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES AT NO ADDITIONAL COST TO THE OWNER.
7. CONTRACTOR SHALL PLACE EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S1508N OR APPROVED EQUAL) ON ALL SITE AREAS WITH SLOPES GREATER THAN 4:1, AND IN THE BOTTOM AND SIDE SLOPES OF ALL SWALES.
8. PRIOR TO FINAL ACCEPTANCE, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, RESTORED TO ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING SHALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES.
9. PERMANENT, FINAL PLANT COVERING OR STRUCTURES SHALL BE INSTALLED PRIOR TO FINAL ACCEPTANCE.
10. ALL CONTROL DEVICES THAT FUNCTION SIMILARLY TO SILT FENCE OR FIBER ROLLS MUST BE REPAIRED, REPLACED OR SUPPLEMENTED WITH EFFECTIVE CONTROLS WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES THE END OF THE DEVICE. THESE REPAIRS MUST BE MADE WITHIN 24 HOURS OF THE RAINFALL EVENT OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
11. ALL SEDIMENT DELTAS AND DEPOSITS MUST BE REMOVED FROM SURFACE WATERS, DRAINAGE WAYS, CATCH BASINS AND OTHER DRAINAGE SYSTEMS. ALL AREAS WHERE SEDIMENT REMOVAL RESULTED IN EXPOSED SOIL MUST BE REVEGETATED. ONCE REMOVAL AND STABILIZATION MUST TAKE PLACE IMMEDIATELY, BUT NO MORE THAN 7 DAYS AFTER THE RAINFALL EVENT UNLESS PRECLUDED BY LEGAL, REGULATORY OR PHYSICAL ACCESS CONSTRAINTS. ALL REPAIRS MUST BE USED TO OBTAIN ACCESS. ONCE ACCESS IS OBTAINED, REMOVAL AND STABILIZATION MUST TAKE PLACE IMMEDIATELY, BUT NO MORE THAN 7 DAYS LATER. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS. AUTHORITIES AND RECEIVING THE APPLICABLE PERMITS PRIOR TO CONDUCTING ANY WORK.
12. ACCUMULATIONS OF TRACKED AND DEPOSITED SEDIMENT MUST BE REMOVED FROM OFF-SITE PAVED SURFACES WITHIN 24 HOURS OR SOONER IF REQUIRED. SEDIMENT TRACKING MUST BE MINIMIZED BY THE CONTRACTOR. MANAGING TRAFFIC PREVENTION PLAN (SWPPP) PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE PROVISIONS INDICATED IN THE SWPPP, INCLUDING CLOSING AND/OR RESTRICTING ACCESS WHEN SWPPP REQUIREMENTS AS REQUIRED BY THE IEPA NPDES PHASE II PERMIT PROGRAM REQUIREMENTS.
13. PUMPING SEDIMENT LADEN WATER INTO ANY STORMWATER FACILITY THAT IS NOT DESIGNED TO BE A SEDIMENT TRAP, DRAINAGEWAY, OR OFFSITE AREA EITHER DIRECTLY OR INDIRECTLY WITHOUT FILTRATION IS PROHIBITED.
14. SOIL STOCKPILES SHALL NOT BE LOCATED IN A DRAINAGEWAY, FLOOD PLAIN AREA OR A DESIGNATED BUFFER, UNLESS OTHERWISE APPROVED, UNDER SPECIFIC CONDITIONS TO BE ESTABLISHED BY THE DIRECTOR OR ADMINISTRATOR.
15. STOCKPILES TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL BE COVERED WITH EROSION CONTROL MEASURES TO BE INSTALLED OR REMOVED IMMEDIATELY AND LEGALLY IF NO STOCKPILE IS TO REMAIN IN PLACE.
16. ALL TEMPORARY SECC MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED. TRAPPED SEDIMENT AND OTHER DISTURBED SOILS RESULTING FROM TEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF PRIOR TO PERMANENT STABILIZATION.
17. WATER REMOVED FROM TRAPS, BASINS, AND OTHER WATER HOLDING DEPRESSIONS OR EXCAVATIONS MUST FIRST PASS THROUGH A SEDIMENT CONTROL AND/OR FLOW RESTRICTION DEVICE, WHICH SWPPP REQUIREMENTS ARE USED. DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION.
20. SITE STABILIZATION REQUIREMENTS ARE AS FOLLOWS:
 - 20.1. WHERE THE INITIATION OF STABILIZATION MEASURE BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASED ON A PORTION OF THE SITE, THE MEASURE TO BE IN PLACE, STABILIZATION MEASURE SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - 20.2. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 14 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED PRIOR TO THE RESUMPTION OF CONSTRUCTION BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED.

C4.0

Drawing name: K:\GIS_LIB\168672001_Corpan_UnitedBNC\Arlington Height\LLV Design\CAD\PlanSheets\C4.1 - EROSION CONTROL PLAN (PHASE 2) .dwg C4.1 Aug 08, 2019 2:27pm By: Travis Gyswski
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

EROSION CONTROL NOTES

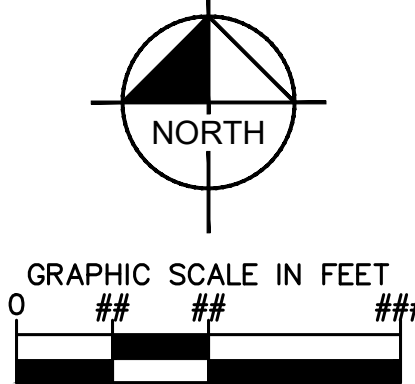
- CONSTRUCTION ENTRANCE SHALL BE LOCATED SO AS TO PROVIDE THE LEAST AMOUNT OF DISTURBANCE TO THE FLOW OF TRAFFIC IN AND OUT OF THE SITE. ADDITIONALLY, CONSTRUCTION ENTRANCE SHALL BE LOCATED TO COINCIDE WITH THE PHASING OF THE PAVEMENT REPLACEMENT.
- POST CONSTRUCTION STORM WATER POLLUTION CONTROL MEASURES INCLUDE STABILIZATION BY PERMANENT PAVING, DRAINAGE SYSTEM STRUCTURE, OR LANDSCAPING.
- TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AT THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE. AS AN EXAMPLE, PERIMETER SILT FENCE SHALL BE INSTALLED BEFORE COMMENCEMENT OF ANY GRADING ACTIVITIES. OTHER BMP'S SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAINTAINED UNTIL FINAL SITE STABILIZATION IS ATTAINED. CONTRACTOR SHALL ALSO REFERENCE CIVIL AND LANDSCAPE PLANS SINCE PERMANENT STABILIZATION IS PROVIDED BY LANDSCAPING, THE BUILDING(S), AND SITE PAVING.
- BMP'S HAVE BEEN LOCATED AS INDICATED ON THIS PLAN IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN ORDER TO MINIMIZE SEDIMENT TRANSFER. FOR EXAMPLE: SILT FENCES LOCATED AT TOE OF SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT FROM SITE RUN-OFF.
- THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.
- ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS WILL REQUIRE A REVISION AND MUST BE APPROVED BY THE REVIEWING ENGINEER, ENVIRONMENTAL SPECIALIST, OR ARBORIST AS APPROPRIATE. MAJOR REVISIONS MUST BE APPROVED BY THE PLANNING AND DEVELOPMENT DEPARTMENT AND THE DRAINAGE-UTILITY DEPARTMENT. MINOR CHANGES OR ADDITIONAL CONTROL MEASURES TO BE MADE AS FIELD REVISIONS TO THE EROSION AND SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE ENVIRONMENTAL INSPECTOR DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PLACE EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S150BN OR APPROVED EQUAL) ON ALL SITE AREAS WITH SLOPES GREATER THAN 4:1, AND IN THE BOTTOM AND SIDE SLOPES OF ALL SWALES.
- PRIOR TO FINAL ACCEPTANCE, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING SHALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES.
- PERMANENT, FINAL PLANT COVERING OR STRUCTURES SHALL BE INSTALLED PRIOR TO FINAL ACCEPTANCE.
- ALL CONTROL DEVICES THAT FUNCTION SIMILARLY TO SILT FENCE OR FIBER ROLLS MUST BE REPAIRED, REPLACED OR SUPPLEMENTED WITH EFFECTIVE CONTROLS WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES ONE-THIRD THE HEIGHT OF THE DEVICE. THESE REPAIRS MUST BE MADE WITHIN 24 HOURS OF THE RAINFALL EVENT OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
- ALL SEDIMENT DELTAS AND DEPOSITS MUST BE REMOVED FROM SURFACE WATERS, DRAINAGE WAYS, CATCH BASINS AND OTHER DRAINAGE SYSTEMS. ALL AREAS WHERE SEDIMENT REMOVAL RESULTED IN EXPOSED SOIL MUST BE RESTABILIZED. THE REMOVAL AND STABILIZATION MUST TAKE PLACE IMMEDIATELY, BUT NO MORE THAN 7 DAYS AFTER THE RAINFALL EVENT UNLESS PRECLUDED BY LEGAL, REGULATORY OR PHYSICAL ACCESS CONSTRAINTS. ALL REASONABLE EFFORTS MUST BE USED TO OBTAIN ACCESS. ONCE ACCESS IS OBTAINED, REMOVAL AND STABILIZATION MUST TAKE PLACE IMMEDIATELY, BUT NO MORE THAN 7 DAYS LATER. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL APPROPRIATE AUTHORITIES AND RECEIVING THE APPLICABLE PERMITS PRIOR TO CONDUCTING ANY WORK.
- ACCUMULATIONS OF TRACKED AND DEPOSITED SEDIMENT MUST BE REMOVED FROM OFF-SITE PAVED SURFACES WITHIN 24 HOURS OR SOONER IF REQUIRED. SEDIMENT TRACKING MUST BE MINIMIZED BY THE APPROPRIATE MANAGEMENT PRACTICE, LIKE A DEDICATED SITE EXIT WITH AN AGGREGATE SURFACE OR DESIGNATED OFFSITE PARKING AREA. CONTRACTOR IS RESPONSIBLE FOR STREET SWEEPING AND/OR SCRAPING IF YOUR PRACTICES ARE NOT ADEQUATE TO PREVENT SEDIMENT FROM BEING TRACKED FROM THE SITE.
- SURFACE WATERS, DRAINAGE DITCHES AND CONVEYANCE SYSTEMS MUST BE INSPECTED FOR SEDIMENT DEPOSITS.
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS INDICATED ON THIS SHEET IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE PROVISIONS INDICATED IN THE SWPPP, INCLUDING EROSION CONTROL MEASURES AND INSPECTION FREQUENCY, AS REQUIRED BY THE IEPA NPDES PHASE II PERMIT PROGRAM REQUIREMENTS.
- PUMPING SEDIMENT LADEN WATER INTO ANY STORMWATER FACILITY THAT IS NOT DESIGNATED TO BE A SEDIMENT TRAP, DRAINAGEWAY, OR OFFSITE AREA EITHER DIRECTLY OR INDIRECTLY WITHOUT FILTRATION IS PROHIBITED.
- SOIL STOCKPILES SHALL NOT BE LOCATED IN A DRAINAGEWAY, FLOOD PLAIN AREA OR A DESIGNATED BUFFER, UNLESS OTHERWISE APPROVED, UNDER SPECIFIC CONDITIONS TO BE ESTABLISHED BY THE DIRECTOR OR ADMINISTRATOR.
- STOCKPILES TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL BE PROVIDED WITH SESC MEASURES. MATERIAL IS TO BE HAULED OFF IMMEDIATELY AND LEGALLY IF NO STOCKPILE IS TO REMAIN IN PLACE.
- ALL TEMPORARY SESC MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED. TRAPPED SEDIMENT AND OTHER DISTURBED SOILS RESULTING FROM TEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF PRIOR TO PERMANENT STABILIZATION.
- WATER REMOVED FROM TRAPS, BASINS, AND OTHER WATER HOLDING DEPRESSIONS OR EXCAVATIONS MUST FIRST PASS THROUGH A SEDIMENT CONTROL AND/OR FILTRATION DEVICE. WHEN DEWATERING DEVICES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION.
- SITE STABILIZATION REQUIREMENTS ARE AS FOLLOWS:
 - WHERE THE INITIATION OF STABILIZATION MEASURE BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES ON A PORTION OF THE SITE IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURE SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 14 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED.

EROSION CONTROL SCHEDULE AND SEQUENCING:

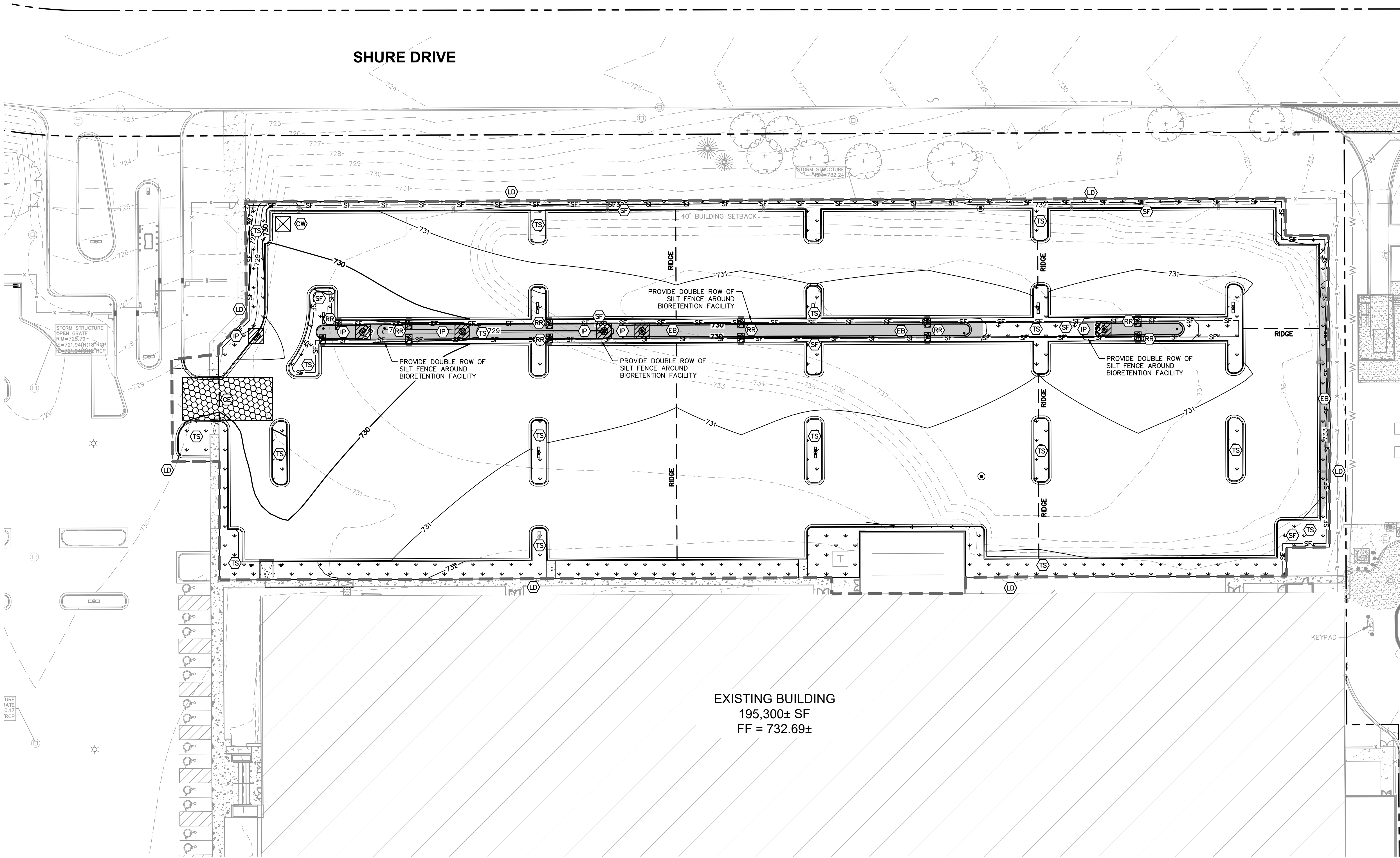
- ROUGH GRADING**
CONSTRUCTION ENTRANCE/EXIT, SILT FENCE PROTECTION, CONCRETE WASHOUT AREA AND TREE PROTECTION SHALL BE INSTALLED PRIOR TO THE INITIATION OF ROUGH GRADING, AS NEEDED. TEMPORARY EROSION CONTROL MEASURES TO BE INSTALLED UPON COMPLETION OF ROUGH GRADING AND AS NECESSARY THROUGHOUT CONSTRUCTION.
- UTILITY INSTALLATION**
ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED AS NECESSARY DURING UTILITY INSTALLATION. STORM STRUCTURE INLET PROTECTION SHALL BE INSTALLED AS STORM DRAINAGE SYSTEM IS CONSTRUCTED.
- PAVING**
ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED AS NECESSARY DURING PAVING AND THROUGHOUT THE REMAINDER OF THE PROJECT.
- FINAL GRADING/SOIL STABILIZATION/ LANDSCAPING**
ALL TEMPORARY EROSION CONTROL MEASURES TO BE REMOVED AT THE CONCLUSION OF THE PROJECT AS DIRECTED BY THE LOCAL MUNICIPALITY.

EROSION CONTROL LEGEND

	TS TEMPORARY SEEDING (SEE EROSION CONTROL DETAILS)
	EB TEMPORARY EROSION CONTROL BLANKET (SEE EROSION CONTROL NOTE #7)
	CE CONSTRUCTION ENTRANCE (SEE EROSION CONTROL DETAILS)
	SF SILT FENCE (SEE EROSION CONTROL DETAILS)
	IP INLET PROTECTION (SEE EROSION CONTROL DETAILS)
	CW CONCRETE WASHOUT (SEE EROSION CONTROL DETAILS) (TO BE DETERMINED BY CONTRACTOR)
	TP TREE PROTECTION (SEE EROSION CONTROL DETAILS)
	RR RIP RAP (SEE DETAILS)
	LD LIMITS OF DISTURBANCE
	EXISTING CONTOURS
	PROPOSED CONTOURS



SHURE DRIVE



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1001 WARENVILLE ROAD, SUITE 350,
LISLE, IL 60532-5550
WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
DESIGNED BY: SJP
DRAWN BY: CPC
CHECKED BY: LEN

C O R P O R A T I O N

EROSION CONTROL PLAN (PHASE 2)

PARKING LOT ALTERATION AND INTERIOR BUILDOUT
1501 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

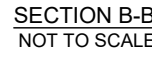
ORIGINAL ISSUE:
5/22/19
KHA PROJECT NO.
168672001
SHEET NUMBER

C4.1



SEDIMENTATION/SILT FENCE

N.T.S



CONCRETE WASHOUT

N.T.S.



ALL PRODUCTS MANUFACTURED BY INLET AND PIPE PROTECTION, INC OR
APPROVED EQUAL.

NOTE: INLET FILTERS ARE SLIGHTLY SMALLER THAN THE INLET GRATE SIZES. WHEN IDENTIFYING OR SPECIFYING FILTERS/CASTINGS PLEASE REFER TO THE DIAMETER "D" OR WIDTH "W" AND HEIGHT "H" OF FILTER FRAMES OR CASTING GRATES. YOU MAY ALSO REFER TO OUR CASTING CROSS REFERENCE GUIDE FOR IDOT STANDARDS

IDOT TYPE 1 ROUND INLET FILTER DEPICTED

NOTE: ROUND AND SQUARE INLET FILTERS AVAILABLE FOR MOST NEENAH
AND EAST JORDAN BEEHIVE, ROLL CURB AND CURB BOX FRAME TYPES

ALL IPP INLET FILTERS TO CONFORM TO IDOT SPECIFICATIONS AS
OUTLINED IN ARTICLE 1081.15 OF IDOT'S STANDARD SPECIFICATIONS GUIDE.

INLET PROTECTION

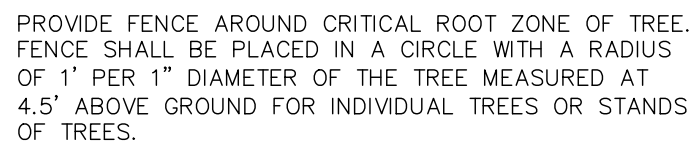
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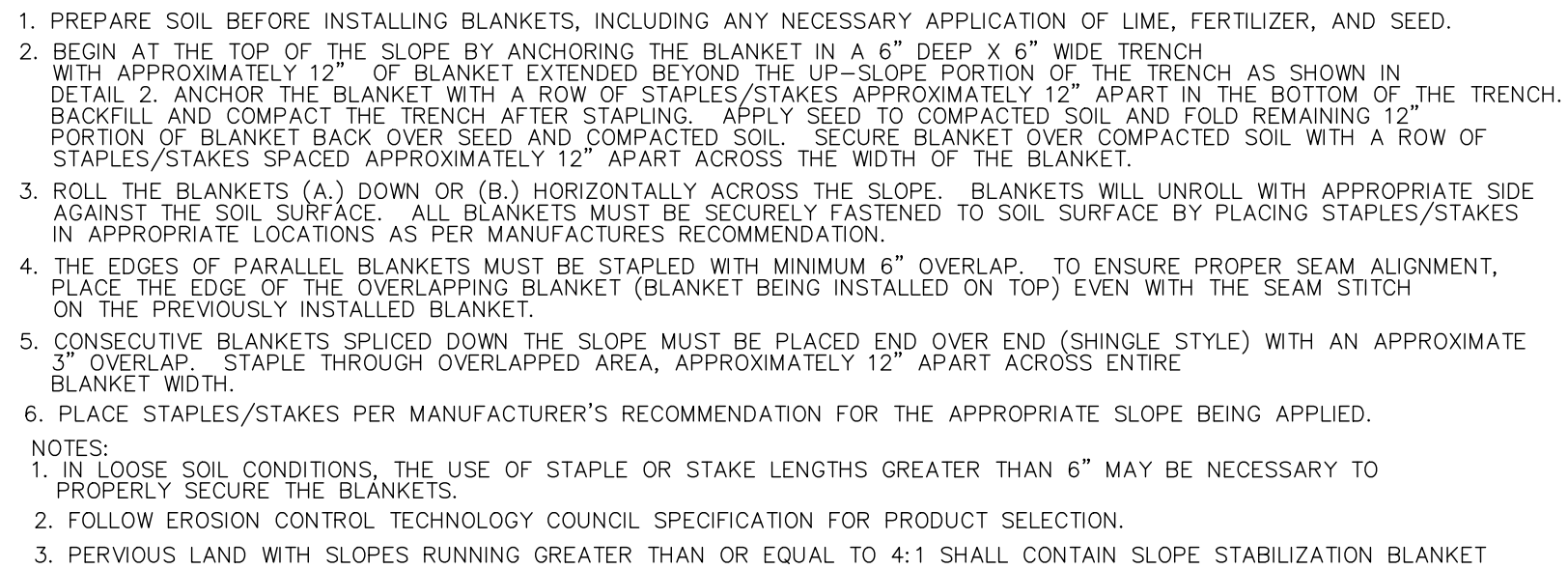


N.T.S



TREE PROTECTION

N.T.S



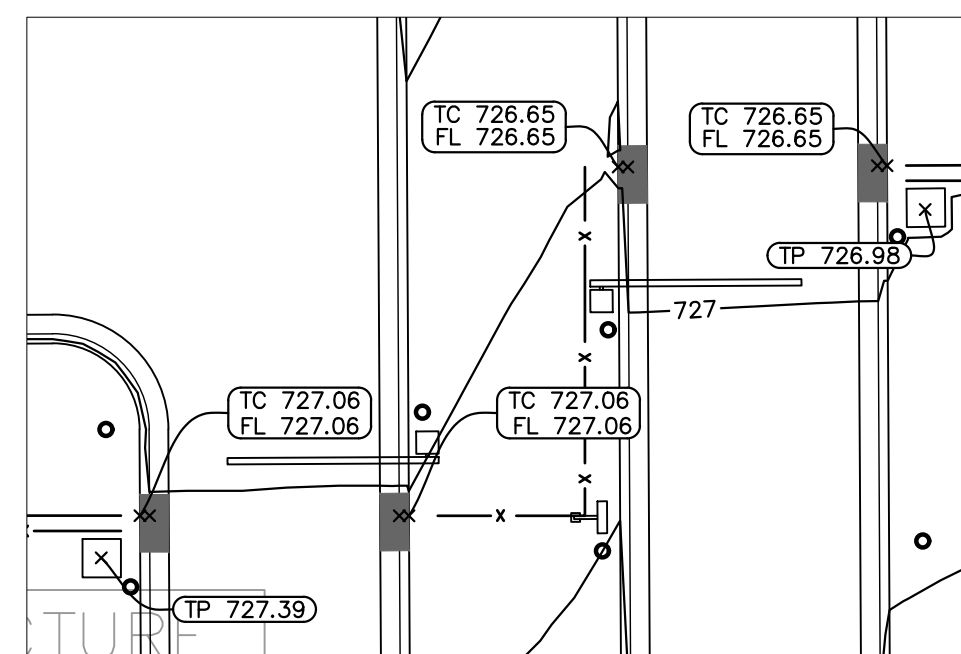
EROSION CONTROL BLANKET (SLOPE INSTALLATION)

N.T.S.

A	KENTUCKY BLUEGRASS 90 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS/ACRE	C	SPRING OATS 100 LBS/ACRE	*	WATERING NEEDED DURING JUNE AND JULY
		D	WHEAT OR CEREAL RYE 150 LBS/ACRE	**	WATERING NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD
B	KENTUCKY BLUEGRASS 135 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 45 LBS/ACRE + 2 TONS STRAW MULCH/ACRE	E	SOD		
		F	STRAW MULCH 2 TONS/ACRE		

SEEDING CHART

Drawing name: K:\CHS_DEVELOPMENT\168672001_Corgom_UnitedBNOC_Arlington Height_IL12_Design\CAD\PlanSheets\C5.0 - GRADING PLAN.dwg C5.1 Aug 08, 2019 2:27pm by: Travis-Cysenski



GATE DETAIL 1
SCALE: 1" = 10'

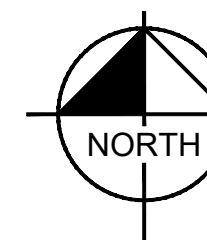
GRADING LEGEND

TP = TOP OF PAVEMENT
FL = FLOW LINE
TC = TOP OF CURB
ME = MATCH ELEVATION OF EXISTING CURB
ME TP = MATCH ELEVATION OF EXISTING PAVEMENT
R = RIM ELEVATION
EX. R = ADJUST EXISTING RIM ELEVATION

PROPOSED CONTOUR
EXISTING CONTOUR
SLOPE AND FLOW DIRECTION
100-YEAR OVERLAND OVERFLOW ROUTE
DETENTION BASIN 100-YEAR EMERGENCY
OVERLAND OVERFLOW ROUTE
PROPOSED SWALE
REVERSED PITCH CURB AND GUTTER
RIP RAP (SEE DETAILS)

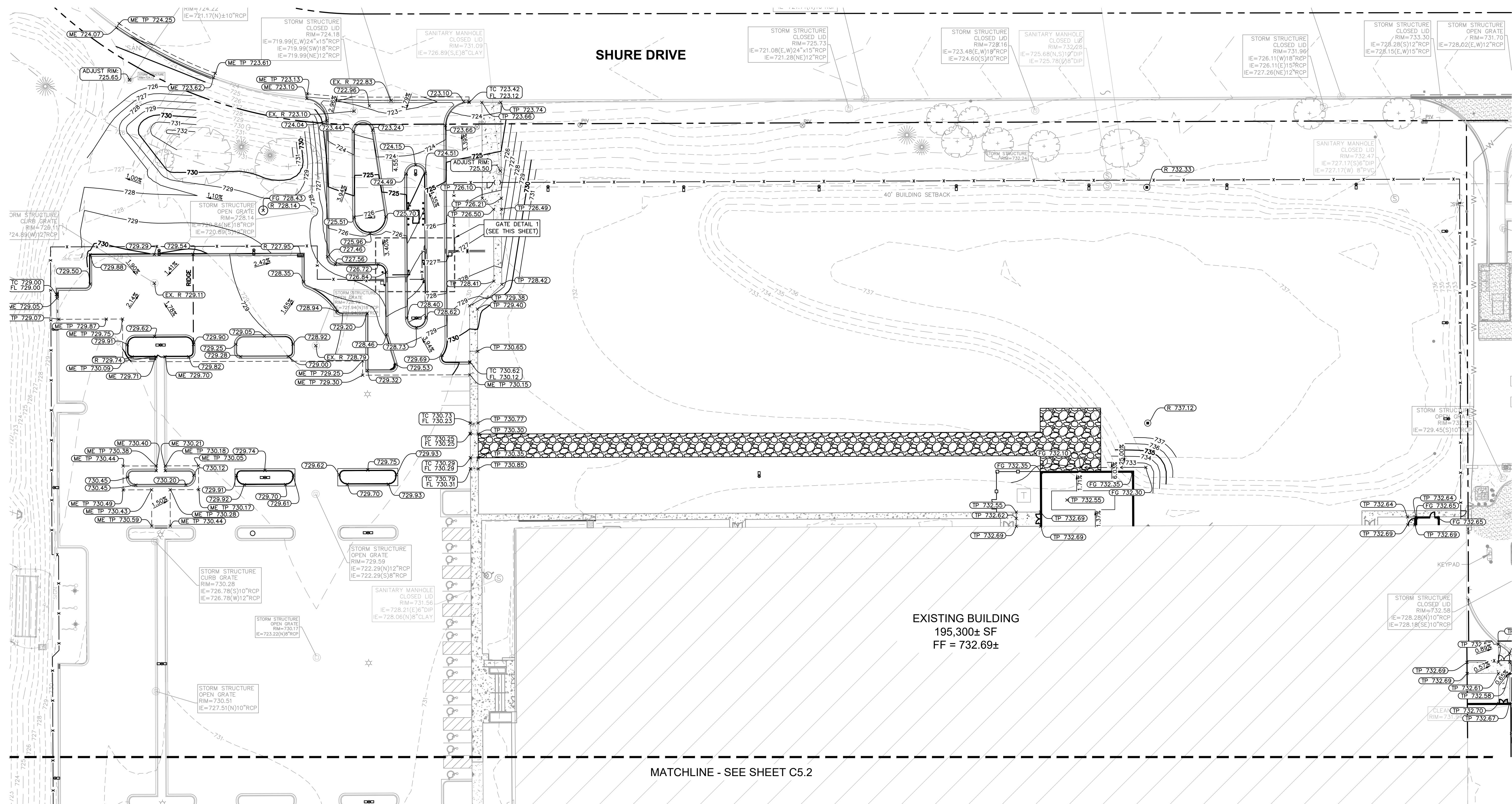
GRADING NOTES

1. CONTRACTOR TO VERIFY ALL EXISTING TOPOGRAPHY AND STRUCTURES ON THE SITE AND IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING WORK.
2. ALL PAVEMENT SPOOT GRADE ELEVATIONS AND RIM ELEVATIONS WITHIN OR ALONG CURB AND GUTTER REFER TO FLOW LINE ELEVATIONS UNLESS OTHERWISE NOTED.
3. ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE UNLESS OTHERWISE NOTED. GENERAL CONTRACTOR TO COORDINATE WITH EXCAVATION, LANDSCAPE AND PAVING SUBCONTRACTORS REGARDING TOPSOIL THICKNESS FOR LANDSCAPE AREAS AND PAVEMENT SECTION THICKNESS FOR PAVED AREAS TO PROPERLY ENSURE ADEQUATE CUT TO ESTABLISH SUBGRADE ELEVATIONS.
4. NO EARTHEN SLOPE SHALL BE GREATER THAN 3:1, UNLESS OTHERWISE NOTED.
5. MAXIMUM SLOPE IN ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL NOT EXCEED 2.0% IN ALL DIRECTIONS.
6. MAXIMUM RUNNING SLOPE SHALL NOT EXCEED 5% AND CROSS SLOPE SHALL NOT EXCEED 2% ON ALL SIDEWALKS AND ACCESSIBLE ROUTES.
7. WHEN NATURAL FLOW OF DRAINAGE IS AWAY FROM CURB, CONTRACTOR TO INSTALL REVERSE GUTTER PITCH.
8. MATCH EXISTING ELEVATIONS AT THE PROPERTY LIMITS.



GRAPHIC SCALE IN FEET

0 15 30 60

A horizontal line with four tick marks labeled 0, 15, 30, and 60. The line is divided into three equal segments by the 15 and 30 marks. The segments from 0 to 15 and 30 to 60 are white, while the segment from 15 to 30 is black.

MATCHLINE - SEE SHEET C5.2

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LISLE, IL 60532
PHONE: 630-487-5550
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SCALE:	AS NOTED
DESIGNED BY:	SJP
DRAWN BY:	CPC
CHECKED BY:	LEN

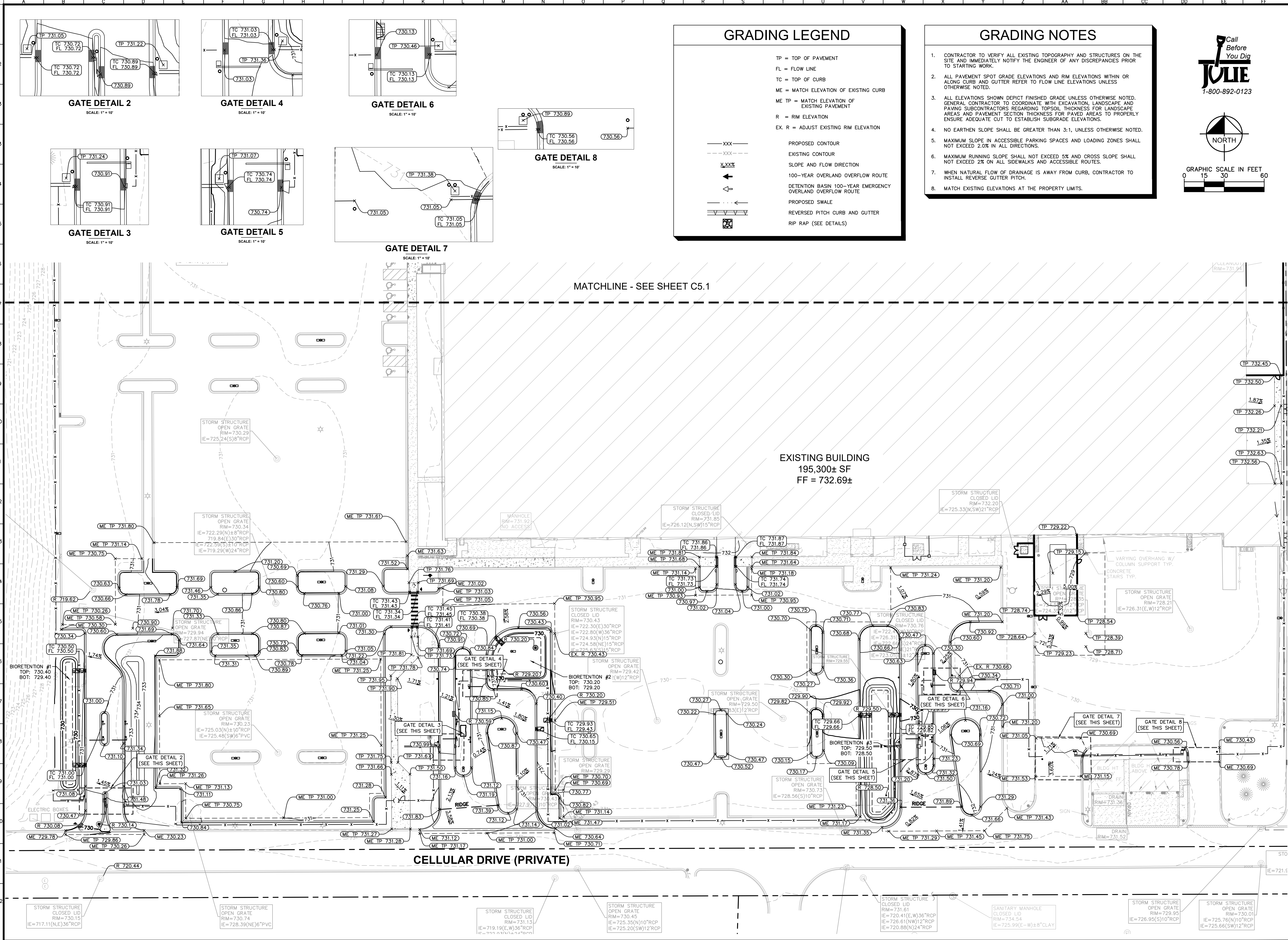
GRADING PLAN (NORTH)

**PARKING LOT ALTERATION
AND INTERIOR BUILDOUT**
1501 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

ORIGINAL ISSUE:
5/22/19
KHA PROJECT NO
168672001
SHEET NUMBER

C5.1

Drawing name: K:\CSE_LIVE\168672001_Corpan_UnitedBNC_Arlington Height\1_V Design\CAD\PlanSheets\C5.0 - GRADING PLAN.dwg C5.2 Aug 08, 2019 2:27pm by: Travis Osewski
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GRADING LEGEND

TP = TOP OF PAVEMENT
FL = FLOW LINE
TC = TOP OF CURB
ME = MATCH ELEVATION OF EXISTING CURB
ME TP = MATCH ELEVATION OF EXISTING PAVEMENT
R = RIM ELEVATION
EX. R = ADJUST EXISTING RIM ELEVATION

XXX — PROPOSED CONTOUR
--- XXX --- EXISTING CONTOUR
SLOPE AND FLOW DIRECTION
100-YEAR OVERLAND OVERFLOW ROUTE
DETENTION BASIN 100-YEAR EMERGENCY OVERLAND OVERFLOW ROUTE
PROPOSED SWALE
REVERSED PITCH CURB AND GUTTER
RIP RAP (SEE DETAILS)

GRADING NOTES

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- ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE UNLESS OTHERWISE NOTED. GENERAL CONTRACTOR TO COORDINATE WITH EXCAVATION, LANDSCAPE AND PAVING SUBCONTRACTORS REGARDING TOPSOIL THICKNESS FOR LANDSCAPE AREAS AND PAVEMENT SECTION THICKNESS FOR PAVED AREAS TO PROPERLY ENSURE ADEQUATE CUT TO ESTABLISH SUBGRADE ELEVATIONS.
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- WHEN NATURAL FLOW OF DRAINAGE IS AWAY FROM CURB, CONTRACTOR TO INSTALL REVERSE GUTTER PITCH.
- MATCH EXISTING ELEVATIONS AT THE PROPERTY LIMITS.

Call Before You Dig
811
1-800-892-0123

NORTH

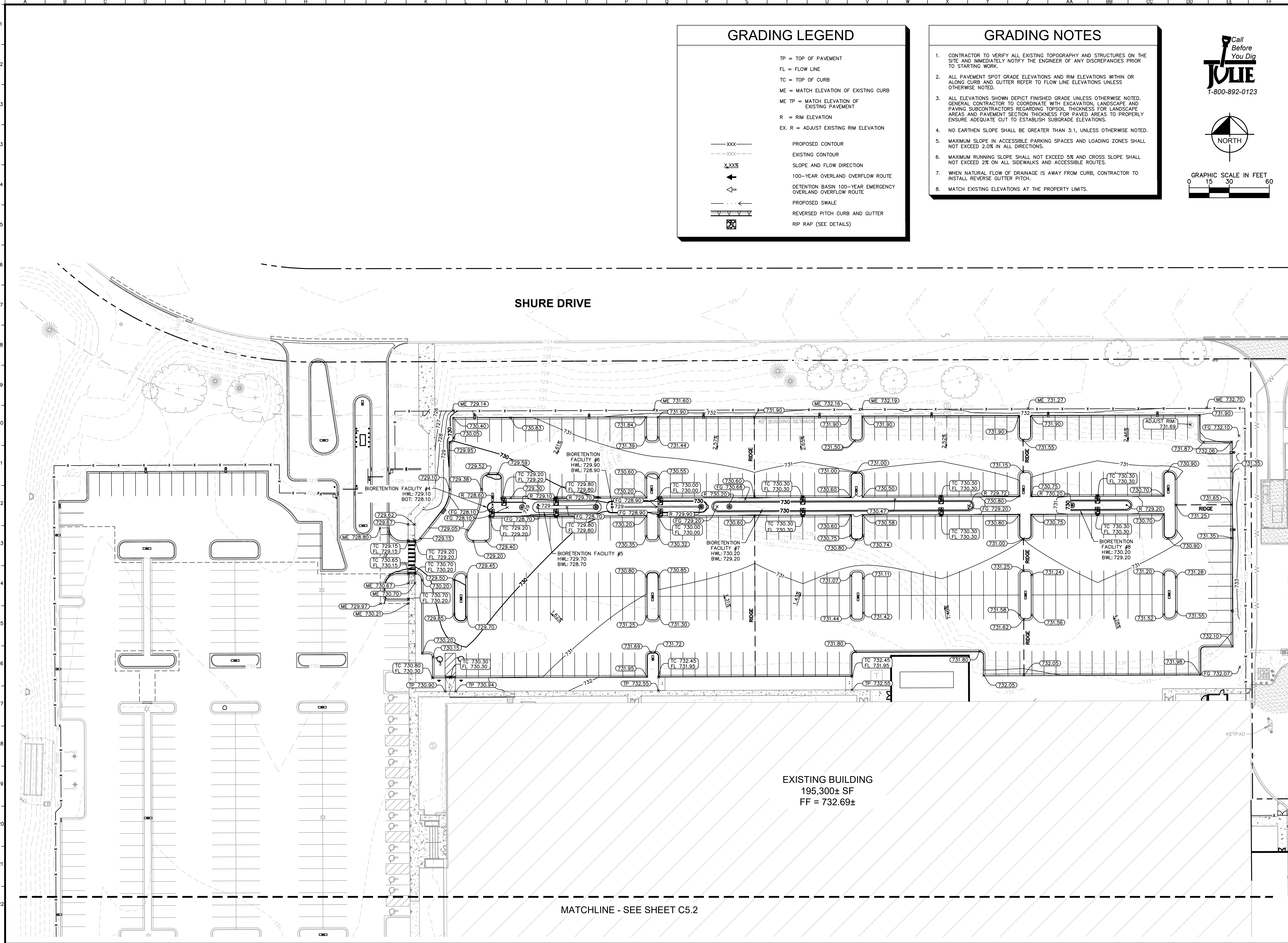
GRAPHIC SCALE IN FEET
0 15 30 60

KIMLEY-HORN		VILLAGE COMMENTS/MWRD SUBMITTAL		07/25/19	LEN
© 2019 KIMLEY-HORN AND ASSOCIATES, INC. 1001 WARENVILLE ROAD, SUITE 350, Lisle, IL 60532-5559 WWW.KIMLEY-HORN.COM		VILLAGE COMMENTS/PUD COMMENTS		08/07/19	LEN
AS NOTED		REVISIONS		DATE	
DESIGNED BY: SJP	CPC	CHECKED BY: LEN		BY:	
DRAWN BY:		CPC		LEN	
SCALE:		SCALE:		SCALE:	
ORIGINAL ISSUE:		ORIGINAL ISSUE:		ORIGINAL ISSUE:	
KHA PROJECT NO.		KHA PROJECT NO.		KHA PROJECT NO.	
168672001		168672001		168672001	
SHEET NUMBER		SHEET NUMBER		SHEET NUMBER	
C5.2		C5.2		C5.2	

PARKING LOT ALTERATION AND INTERIOR BUILDOUT
1801 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

GRADING PLAN (SOUTH)

Drawing name: K:\GHS_LDEV\168672001_Corpan_UnitedBNC\Arlington Height\LLV Design\CAD\PlanSheets\C5.3 - GRADING PLAN (PHASE 2).dwg, CS.3 Aug 08, 2019 2:27pm, by: Travis Oyewaki
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GRADING LEGEND

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XXX — PROPOSED CONTOUR
--- EXISTING CONTOUR
X.XX% SLOPE AND FLOW DIRECTION
100-YEAR OVERLAND OVERFLOW ROUTE
100-YEAR EMERGENCY OVERLAND OVERFLOW ROUTE
PROPOSED SWALE
REVERSED PITCH CURB AND GUTTER
RIP RAP (SEE DETAILS)

- ### GRADING NOTES
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 - MATCH EXISTING ELEVATIONS AT THE PROPERTY LIMITS.

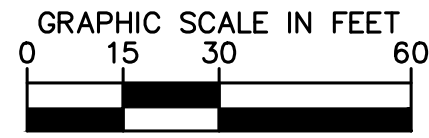
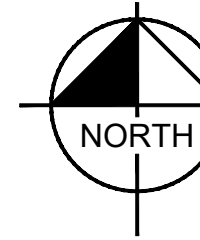
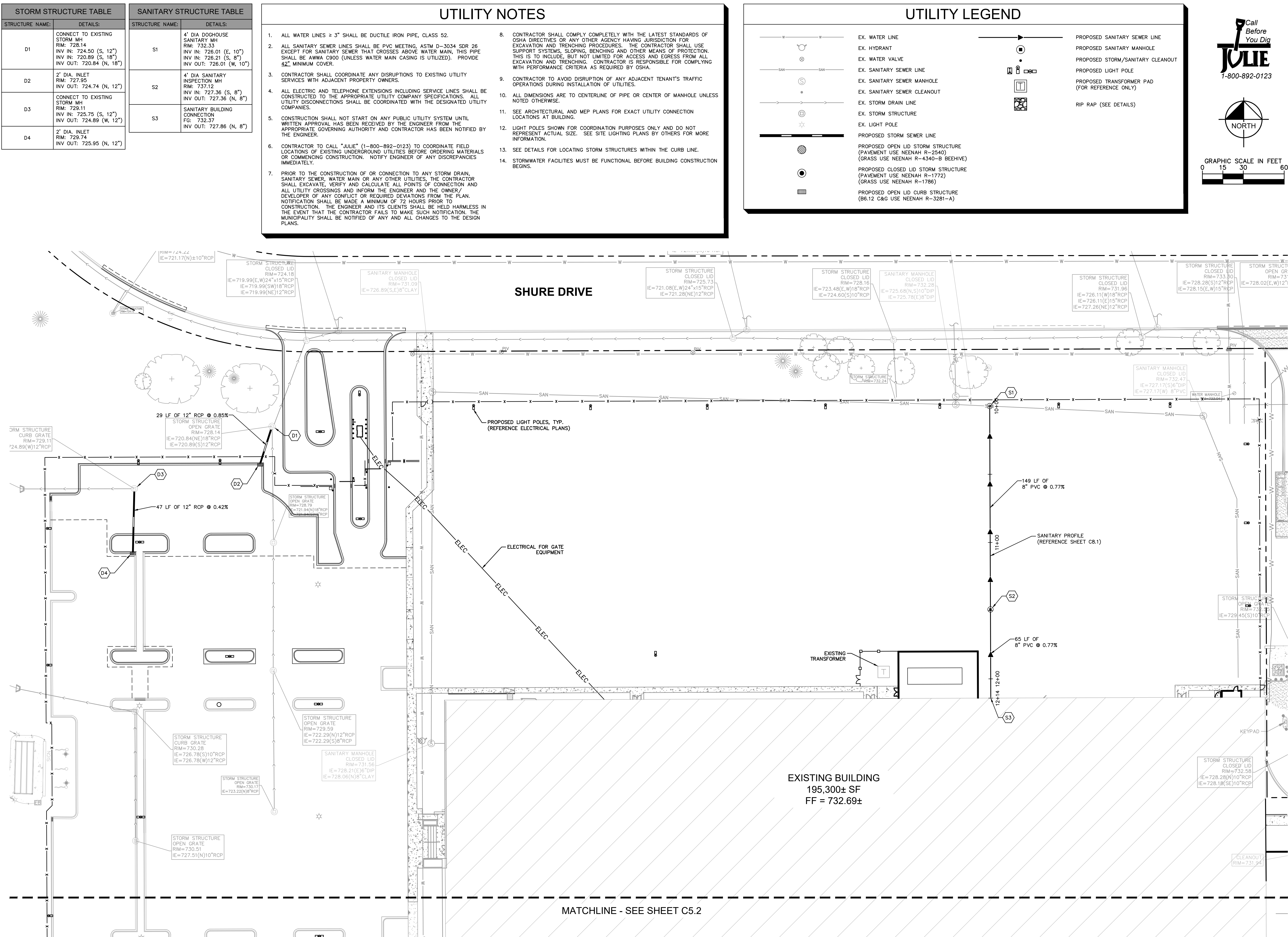
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NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

SCALE: AS NOTED		DESIGNED BY: SJP		DRAWN BY: CPC		CHECKED BY: LEN	
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GRADING PLAN (PHASE 2)		PARKING LOT ALTERATION AND INTERIOR BUILDOUT		1501 SHURE DRIVE ARLINGTON HEIGHTS, IL 60004		REVISIONS	
ORIGINAL ISSUE: 5/22/19		KHA PROJECT NO. 168672001		SHEET NUMBER		DATE BY	
C5.3							

Drawing name: K:\GIS_LDEV\168672001_Corpan_UnitedBNC\Arlington Height\LLV Design\CAD\PlanSheets\C6.1 - UTILITY PLAN.dwg, C6.1 Aug 08, 2019 2:27pm, By: Travis Oyewaki
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REVISIONS	DATE	BY
1	07/25/19	LEN
2	08/07/19	LEN
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**UTILITY PLAN
(NORTH)**

**PARKING LOT ALTERATION
AND INTERIOR BUILDOUT**
1901 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

ORIGINAL ISSUE:
5/22/19
KHA PROJECT NO.
168672001

SHEET NUMBER
C6.1

Drawing name: K:\GIS_LIVE\168672001_Corgan_UnitedBNC\Arlington Height\LLV Design\CAD\PlanSheets\C6.3 - UTILITY PLAN (PHASE 2).dwg C6.3 Aug 08, 2019 2:27pm by: Travis Ciesewski
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STORM STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
D15	CONNECT TO EXISTING STORM MANHOLE RIM: 725.73 INV IN: 722.80 (S, 12") INV IN: 721.08 (E, 23") INV OUT: 721.08 (W, 23")
D16	4" DIA. STORM MH RIM: 730.20 INV IN: 724.23 (W, 12") INV IN: 724.23 (E, 12") INV IN: 726.20 (SE, 6") INV OUT: 724.22 (N, 12")
D17	4" DIA. STORM MH RIM: 729.90 INV IN: 724.32 (W, 12") INV IN: 725.90 (NW, 6") INV OUT: 724.32 (E, 12")
D18	OBSERVATION WELL SEE DETAILS RIM: 729.40 INV OUT: 725.90 (E, 6")
D19	4" DIA. STORM MH RIM: 729.70 INV IN: 724.63 (W, 12") INV IN: 725.70 (NW, 6") INV OUT: 724.63 (E, 12")
D20	OBSERVATION WELL SEE DETAILS RIM: 729.20 INV OUT: 725.70 (E, 6")

STORM STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
D21	4" DIA. STORM MH RIM: 729.10 INV IN: 725.10 (NW, 6") INV IN: 724.85 (W, 12") INV OUT: 724.85 (E, 12")
D22	OBSERVATION WELL SEE DETAILS RIM: 728.60 INV OUT: 725.10 (E, 6")
D23	2" DIA. STORM INLET RIM: 728.75 INV OUT: 725.45 (E, 12")
D24	OBSERVATION WELL SEE DETAILS RIM: 729.72 INV OUT: 726.20 (W, 6")
D25	2" DIA. STORM INLET RIM: 730.20 INV IN: 726.20 (E, 6") INV OUT: 725.26 (W, 12")
D26	OBSERVATION WELL SEE DETAILS RIM: 729.20 INV OUT: 726.20 (W, 6")

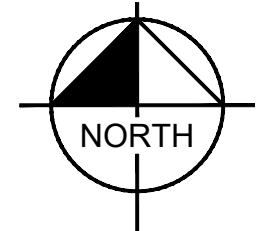
UTILITY NOTES

- ALL WATER LINES $\geq 3"$ SHALL BE DUCTILE IRON PIPE, CLASS 52.
- ALL SANITARY SEWER LINES SHALL BE PVC MEETING, ASTM D-3034 SDR 26 EXCEPT FOR SANITARY SEWER THAT CROSSES ABOVE WATER MAIN, THIS PIPE SHALL BE AWWA C900 (UNLESS WATER MAIN CASING IS UTILIZED). PROVIDE $42"$ MINIMUM COVER.
- CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
- ALL ELECTRIC AND TELEPHONE EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
- CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.
- CONTRACTOR TO CALL "JULIE" (1-800-892-0123) TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
- PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OTHER UTILITY, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM THE ENGINEER AND THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. THE ENGINEER AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION. THE MUNICIPALITY SHALL BE NOTIFIED OF ANY AND ALL CHANGES TO THE DESIGN PLANS.
- CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.
- CONTRACTOR TO AVOID DISRUPTION OF ANY ADJACENT TENANT'S TRAFFIC OPERATIONS DURING INSTALLATION OF UTILITIES.
- SEE ARCHITECTURAL AND MEP PLANS FOR EXACT UTILITY CONNECTION LOCATIONS AT BUILDING.
- ALL DIMENSIONS ARE TO CENTERLINE OF PIPE OR CENTER OF MANHOLE UNLESS NOTED OTHERWISE.
- LIGHT POLES SHOWN FOR COORDINATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL SIZE. SEE SITE LIGHTING PLANS BY OTHERS FOR MORE INFORMATION.
- SEE DETAILS FOR LOCATING STORM STRUCTURES WITHIN THE CURB LINE.
- STORMWATER FACILITIES MUST BE FUNCTIONAL BEFORE BUILDING CONSTRUCTION BEGINS.

UTILITY LEGEND

	EX. WATER LINE		PROPOSED SANITARY SEWER LINE
	EX. HYDRANT		PROPOSED SANITARY MANHOLE
	EX. WATER VALVE		PROPOSED STORM/SANITARY CLEANOUT
	EX. SANITARY SEWER LINE		PROPOSED LIGHT POLE
	EX. SANITARY SEWER MANHOLE		PROPOSED TRANSFORMER PAD (FOR REFERENCE ONLY)
	EX. SANITARY SEWER CLEANOUT		RIP RAP (SEE DETAILS)
	EX. STORM DRAIN LINE		
	EX. STORM STRUCTURE		
	EX. LIGHT POLE		
	PROPOSED STORM SEWER LINE		
	PROPOSED OPEN LID STORM STRUCTURE (PAVEMENT USE NEENAH R-2540) (GRASS USE NEENAH R-4340-B BEEHIVE)		
	PROPOSED CLOSED LID STORM STRUCTURE (PAVEMENT USE NEENAH R-1772) (GRASS USE NEENAH R-1786)		
	PROPOSED OPEN LID CURB STRUCTURE (B6.12 C&G USE NEENAH R-3281-A)		

Call Before You Dig
JULIE
1-800-892-0123



UTILITY CROSSING LEGEND

X1	12" STORM	B/P = 721.45
	12" WATER	T/P = 719.95±
X2	10" SAN.	B/P = 726.19
	12" STORM	T/P = 723.11
X3	8" SAN.	B/P = 726.61
	12" STORM	T/P = 725.67

NOTE: WHERE THERE IS LESS THAN 10 FT HORIZONTAL OR 18-IN VERTICAL SEPARATION BETWEEN A SEWER AND WATER MAIN, OR IF WATER MAIN CROSSES UNDER A SEWER, WATER MAIN QUALITY PIPE IS TO BE USED TO CONSTRUCT THE SEWER OR EITHER PIPE IS TO BE ENCASED. THE PROTECTION MUST EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE DISTANCE BETWEEN THE WATER MAIN AND SEWER IS AT LEAST 10 FT. ACCEPTABLE WATER MAIN QUALITY PIPE INCLUDES PVC SDR/WMQ MEETING ASTM D2241 WITH JOINTS MEETING ASTM D3139 OR DUCTILE IRON PIPE, RCP STORM SEWER WITH FLEXIBLE GASKET JOINTS MEETING ASTM C361 OR ASTM C443 IS ALSO ACCEPTABLE AT CROSSINGS.

SHURE DRIVE

MATCHLINE - SEE SHEET C5.2

EXISTING BUILDING
195,300± SF
FF = 732.69±

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SCALE: AS NOTED

DESIGNED BY: SP

DRAWN BY: CPC

CHECKED BY: LEN

C O R G A N

**UTILITY PLAN
(PHASE 2)**

**PARKING LOT ALTERATION
AND INTERIOR BUILDOUT**
1601 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

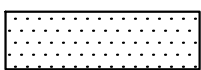
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5/22/19

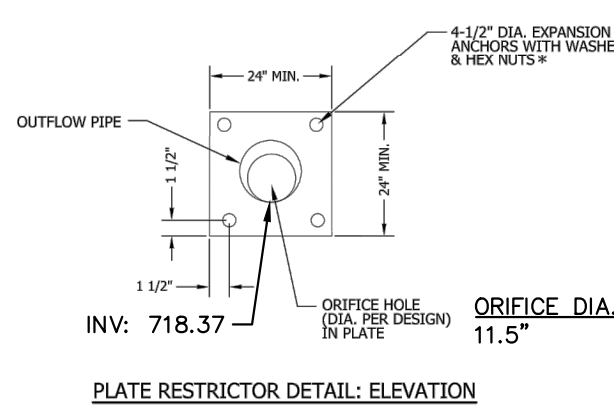
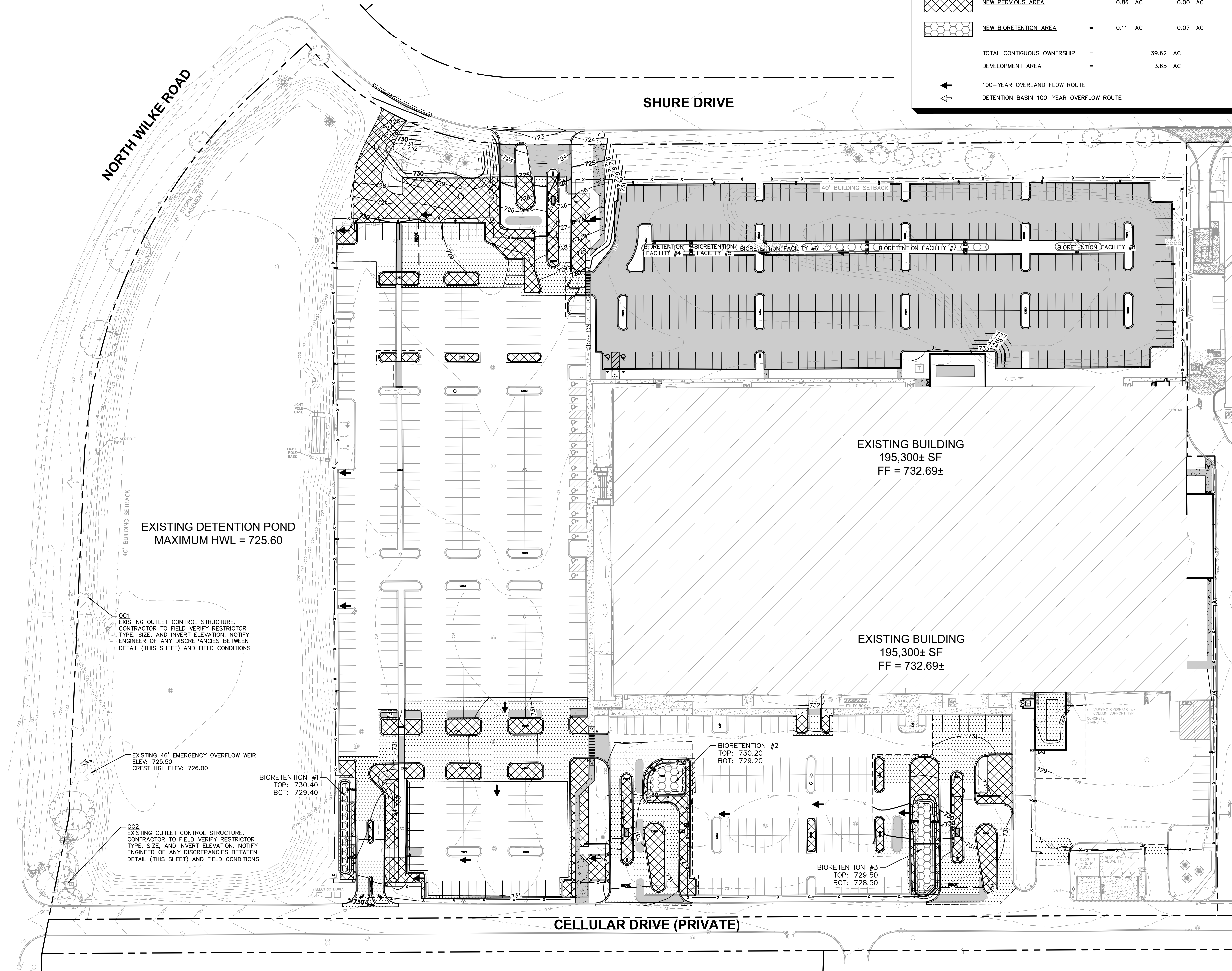
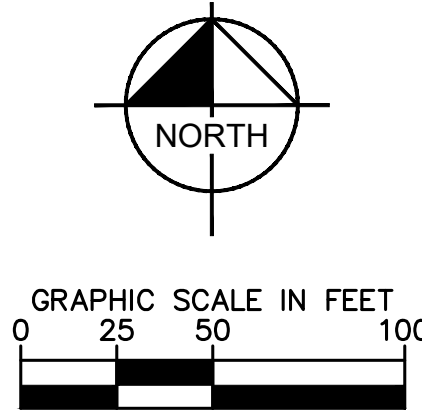
KHA PROJECT NO.
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SHEET NUMBER

C6.3

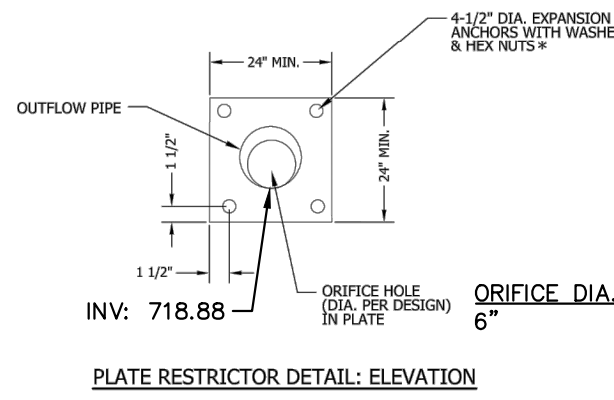
AS-BUILT BASIN INFORMATION				
	PLAN HWL ELEVATION	PLAN BASIN VOLUME	AS-BUILT HWL ELEVATION	AS-BUILT BASIN VOLUME
VILLAGE	725.00 FT	19.76 AC-FT	725.00 FT	19.80 AC-FT
MWRD	723.43 FT	13.50 AC-FT	723.43 FT	13.63 AC-FT

		PHASE 1	PHASE 2
	<u>MAINTENANCE AREA</u>	= 1.36 AC	0.00 AC
	<u>NEW IMPERVIOUS AREA</u>	= 0.23 AC	2.38 AC
	<u>NEW PERVIOUS AREA</u>	= 0.86 AC	0.00 AC
	<u>NEW BIORETENTION AREA</u>	= 0.11 AC	0.07 AC
TOTAL CONTIGUOUS OWNERSHIP		=	39.62 AC
DEVELOPMENT AREA		=	3.65 AC
	100-YEAR OVERLAND FLOW ROUTE		
	DETENTION BASIN 100-YEAR OVERFLOW ROUTE		



STRUCTURE OC1

N.T.S.



STRUCTURE OC2

N.T.S.

No.	REVISIONS	DATE	BY
<u>A</u>	VILLAGE COMMENTS/MWRD SUBMITTAL	07/25/19	LEN
<u>A</u>	VILLAGE COMMENTS/PUD COMMENTS	08/07/19	LEN

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DESIGNED BY:	SJP
DRAWN BY:	CPC
CHECKED BY:	LEN

CORGAN

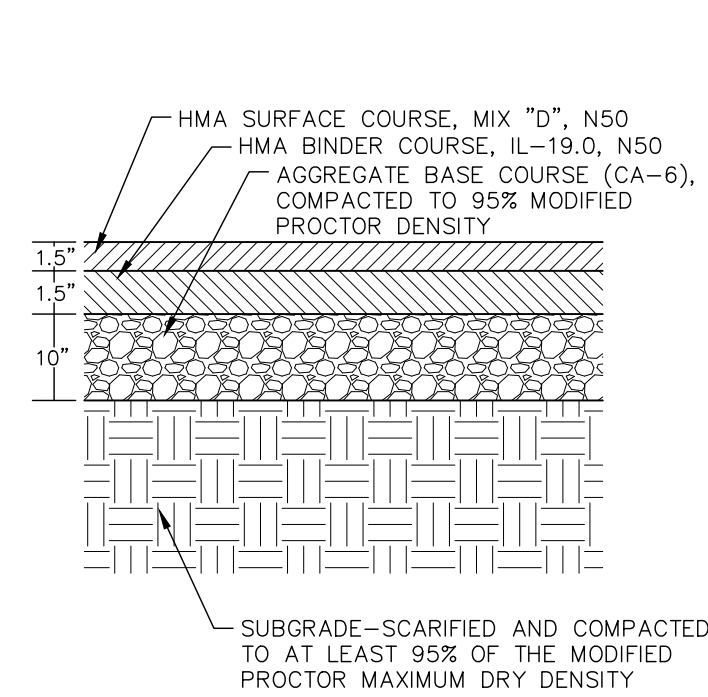
MWRD PLAN

**PARKING LOT ALTERATION
AND INTERIOR BUILDOUT**
1501 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

ORIGINAL ISSUE: 5/22/19
KHA PROJECT NO. 168672001
SHEET NUMBER

C7.0

Drawing name: K:\CHS_LIVE\168672001_Corplan\Drawings\Construction\CD-0 - CONSTRUCTION DETAILS.dwg C8.0 Aug 08, 2019 2:27pm by: TravisCawalki
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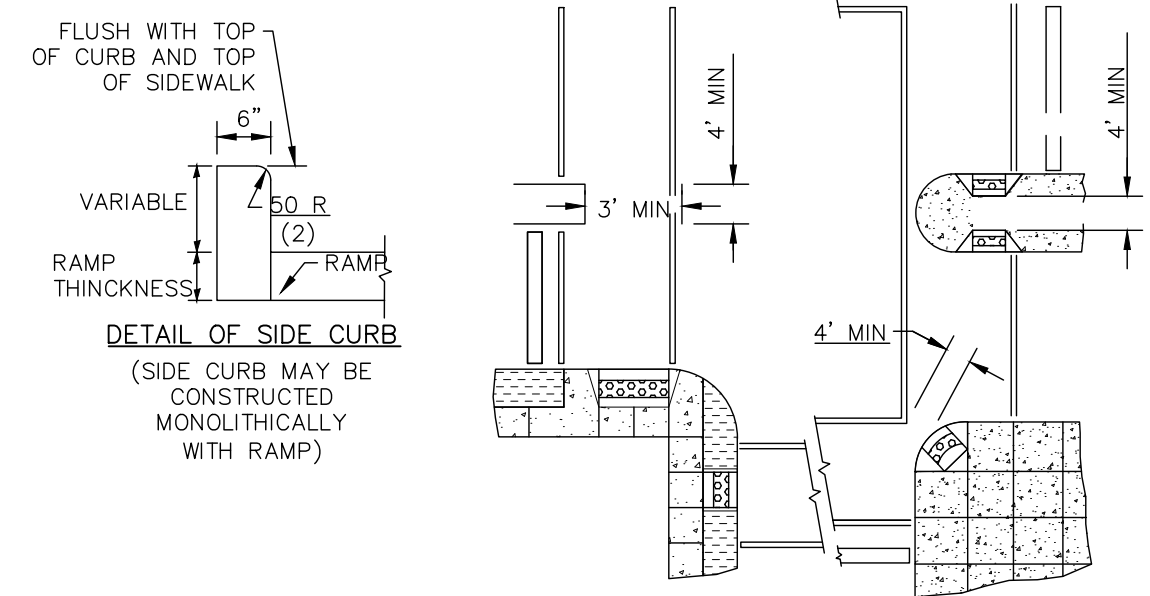
STANDARD DUTY ASPHALTIC PAVEMENT SECTION

N.T.S.

GENERAL NOTES:

1. THE MAXIMUM SLOPE OF THE SIDE FLARE FOR TYPE B RAMPS SHALL BE 1:10; HOWEVER, IF THE WIDTH OF THE LANDING AREA BETWEEN THE TOP OF THE RAMP AND AN OBSTRUCTION IS LESS THAN 1.2m (4'-0") THEN THE MAXIMUM SLOPE SHALL BE 1:12.
2. ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
3. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.
4. RAMP DETAILS TO BE COORDINATED PER VILLAGE REQUIREMENTS.
5. DETECTABLE WARNING SHALL CONSIST OF TRUNCATED DOMES WHICH CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
6. CONTRACTOR TO SELECT ADA DETECTABLE WARNING PERMEABLE PAVERS OR CONCRETE WITH ADA DETECTABLE WARNING DOMES FOR RAMPS.

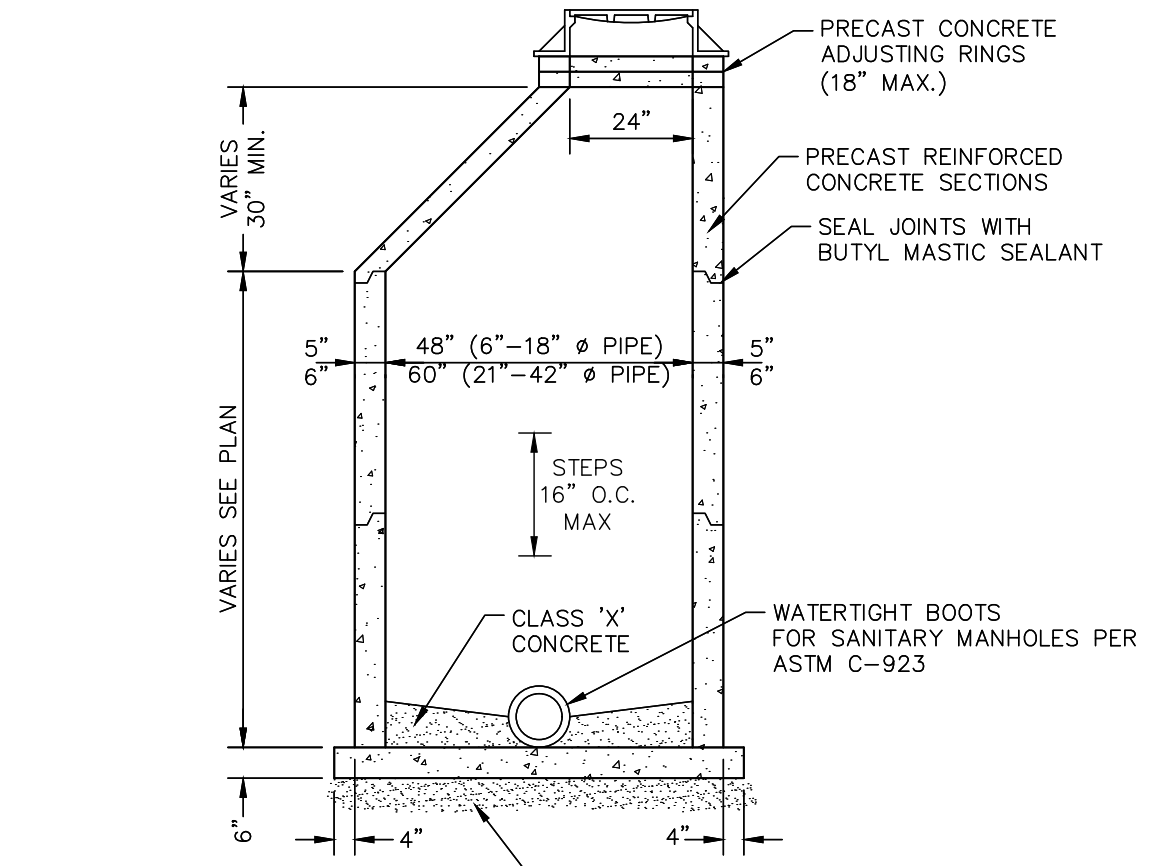
- LEGEND
- ▨ SIDEWALK
 - ▨ RAMP
 - ▨ DETECTABLE WARNING
 - ▨ NON WALKING AREA
 - ▨ FACE OF BUILDING



RECOMMENDED LOCATION OF RAMPS

SIDEWALK AND SIDEWALK RAMPS

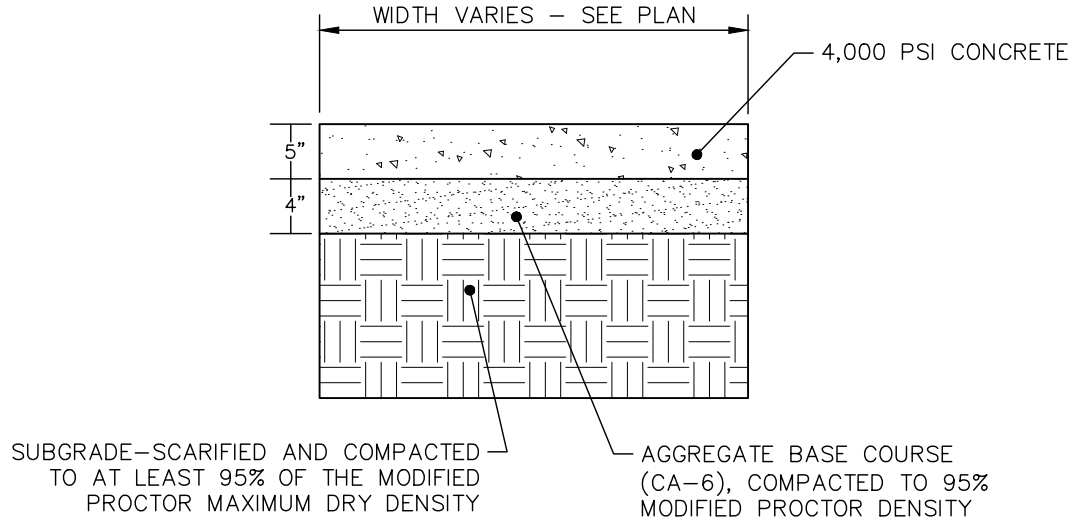
N.T.S.



- NOTES:
1. UNLESS OTHERWISE NOTED, USE THE FOLLOWING FRAMES & GRATES OR EQUALS:
 - 1.1. -IN PAVED AREAS: NEENAH R-1713 OR APPROVED EQUAL W/TYPE B COVER (CLOSED)
 - 1.2. -IN GRASS: NEENAH R-1711 W/TYPE B COVER (CLOSED)
 2. EAST JORDAN EQUIVALENTS ALSO MAY BE USED.
 3. ALL COVERS SHALL BE SELF SEALING WITH CONCEALED PICK HOLES AND HAVE "SANITARY" CAST ON THE COVER.
 4. SANITARY MANHOLES NEED WATER PROOF COATING ON EXTERIOR AND STEPS.
 5. MASTIC ROPE REQUIRED BETWEEN ALL PRECAST SECTIONS WITH CHIMNEY SEAL.
 6. WATER PROOF WRAP REQUIRED ON ALL JOINTS.
 7. HYDRAULIC CEMENT REQUIRED FOR ANY ANNULAR SPACES AROUND THE PIPES AND BOOTS.

SANITARY MANHOLE

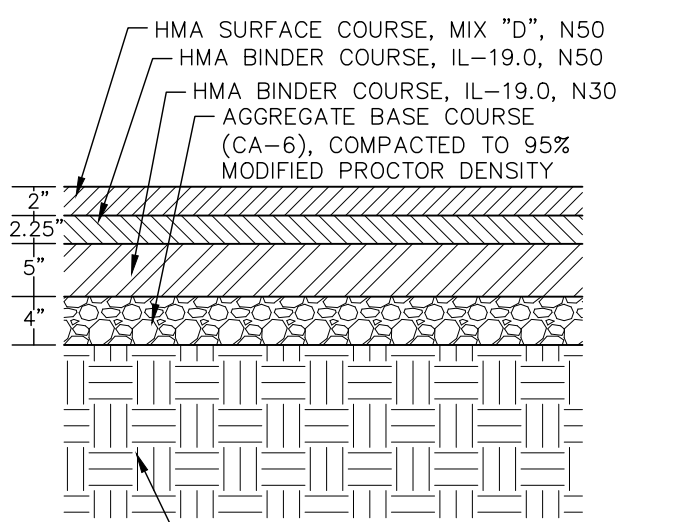
N.T.S.



CONCRETE SIDEWALK

N.T.S.

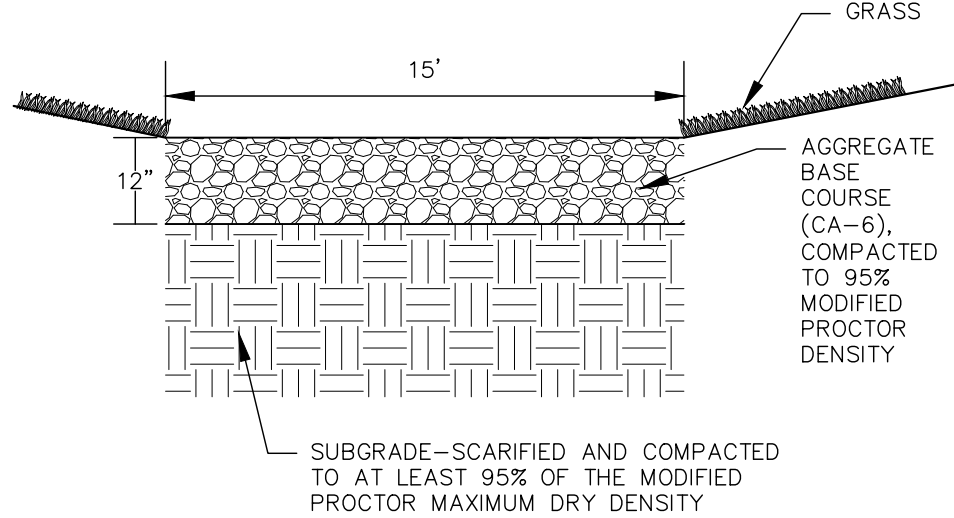
- NOTES:
1. PROVIDE 1/2" EXPANSION JOINTS AT 20', MAXIMUM, SPACING AND FILLED WITH PREMOLDED BITUMINOUS EXPANSION JOINT FILLER MATERIAL OR REDWOOD. EXPANSION JOINTS SHALL HAVE #4 DOWELS, LUBRICATED, 18" LONG, AT 12" CENTERS, 6" FROM EDGE.
 2. PROVIDE 3/8" GROOVED CONTROL JOINTS AT 5' CENTERS.
 3. WELDED WIRE FABRIC (6X6-6X6) SHALL BE INSTALLED THROUGH DRIVEWAYS AT 2" ABOVE SLAB BOTTOM.
 4. PROVIDE 1/2" BITUMINOUS EXPANSION JOINT FILLER MATERIAL WHERE WALK ABUTS EXISTING IMPROVEMENTS AND AT ALL CHANGES IN GRADE.
 5. USE 2-#4 REINFORCING BARS, 10' LONG OVER ALL UTILITY TRENCHES FOR NEW SIDEWALK AND CONNECTIONS TO EXISTING SIDEWALK.
 6. AT DRIVE APPROACHES, SIDEWALK PCC AND BASE THICKNESS SHALL MATCH THAT OF THE DRIVE.



- NOTE:
1. PAVEMENT THICKNESS, SUBGRADE PREP, ETC. DETERMINED BY VILLAGE OF ARLINGTON HEIGHTS REQUIREMENTS.
 2. SEE NOTES #4.2 AND 4.3 UNDER PAVING NOTES ON SHEET C1.0 FOR PRIME COAT AND TACK-COAT REQUIREMENTS.

HEAVY DUTY ASPHALTIC PAVEMENT SECTION

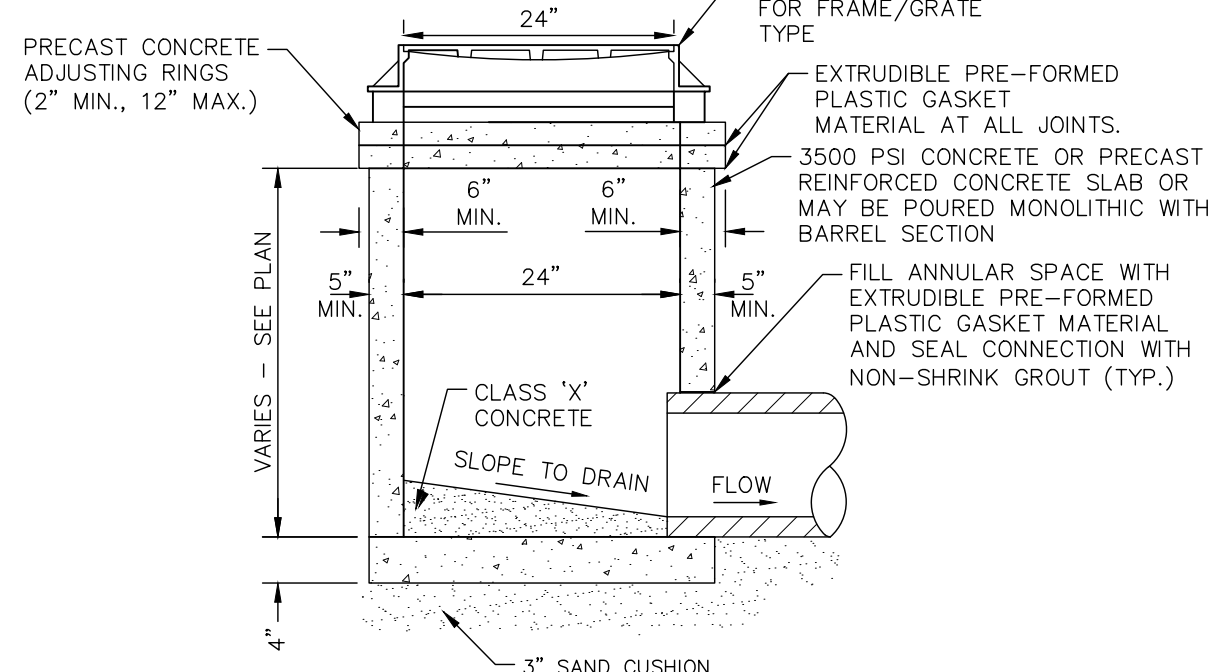
N.T.S.



- NOTE:
1. FOR SUBGRADE PREP, IT IS RECOMMENDED THAT SURFACE VEGETATION, ROOT ZONE AND TOPSOIL BE REMOVED FROM THE PROPOSED PAVEMENT AREAS. PRIOR TO THE PLACEMENT OF THE FILL, IT IS ALSO RECOMMENDED TO SCARIFY THE SUBGRADE TO A DEPTH OF 8 INCHES, MOISTURE CONDITIONING TO WITHIN 1 PERCENT BELOW AND 2 PERCENT ABOVE IT'S OPTIMUM MOISTURE CONTENT, AND COMPACTING THE SUBGRADE TO AT LEAST 95 PERCENT OF ITS MODIFIED PROCTOR MAXIMUM DRY DENSITY.

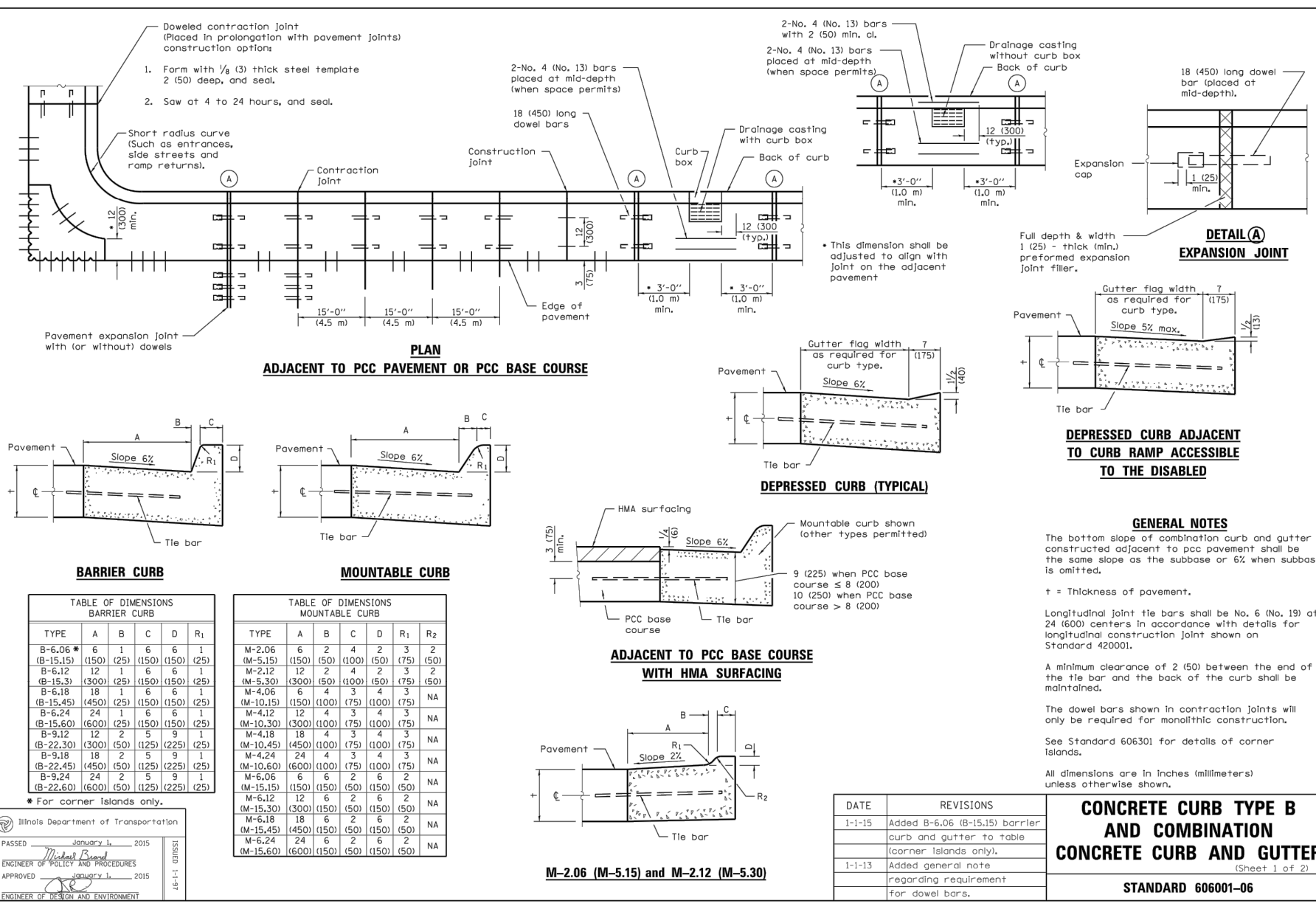
GRAVEL ACCESS ROAD

N.T.S.



2' DIAMETER STORM INLET

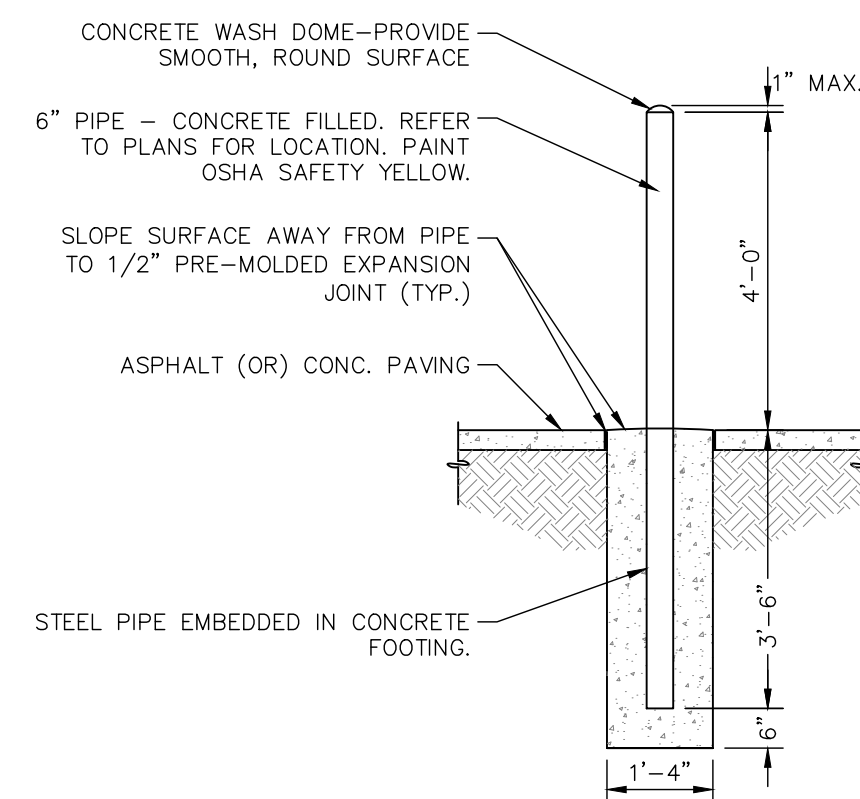
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CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

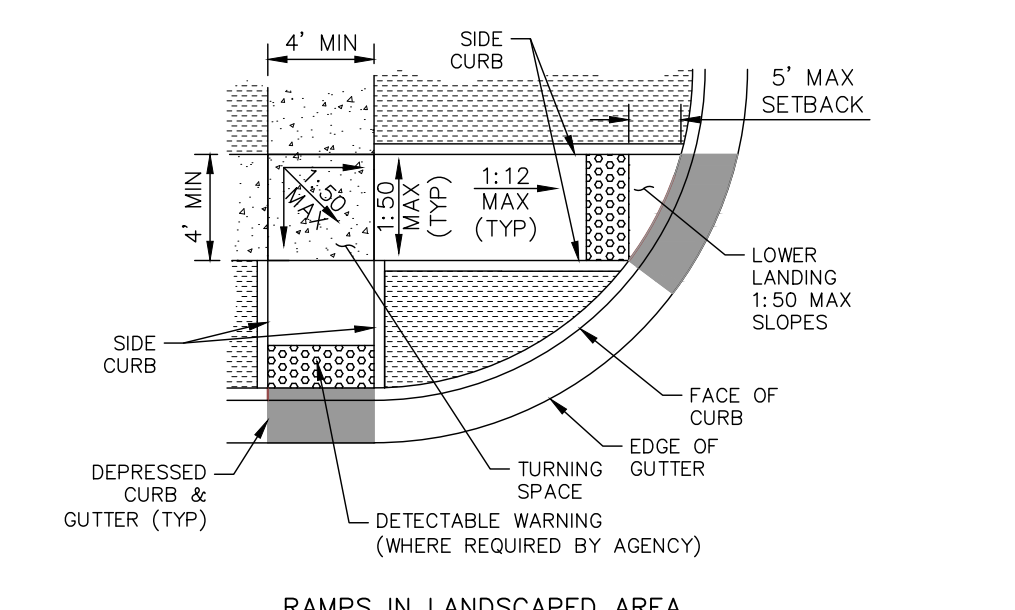
STANDARD 606001-06

DATE	REVISIONS
11-15	Added 18" (18" x 18" x 18") curb and gutter to table
11-15	Added 18" (18" x 18" x 18") curb and gutter to table
11-15	Added 18" (18" x 18" x 18") curb and gutter to table
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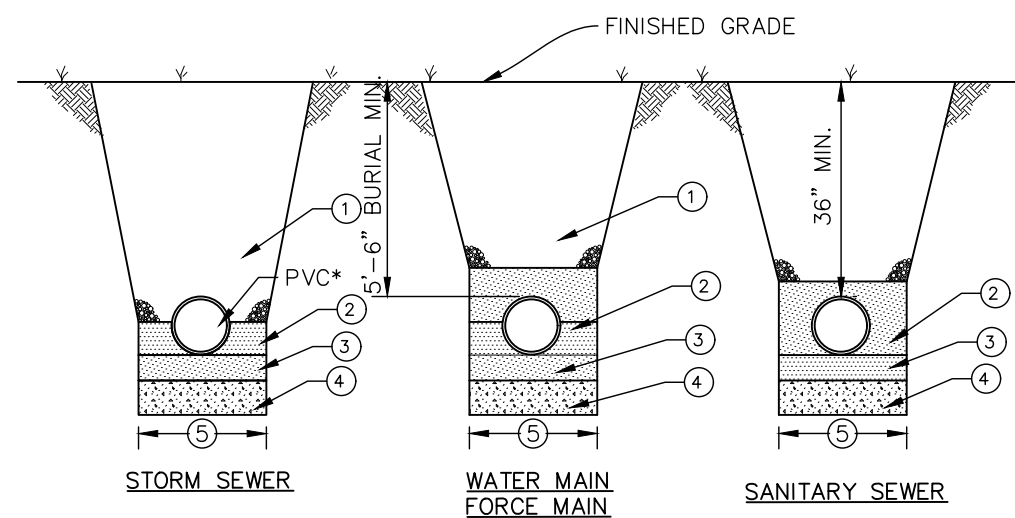


BOLLARD DETAIL

N.T.S.



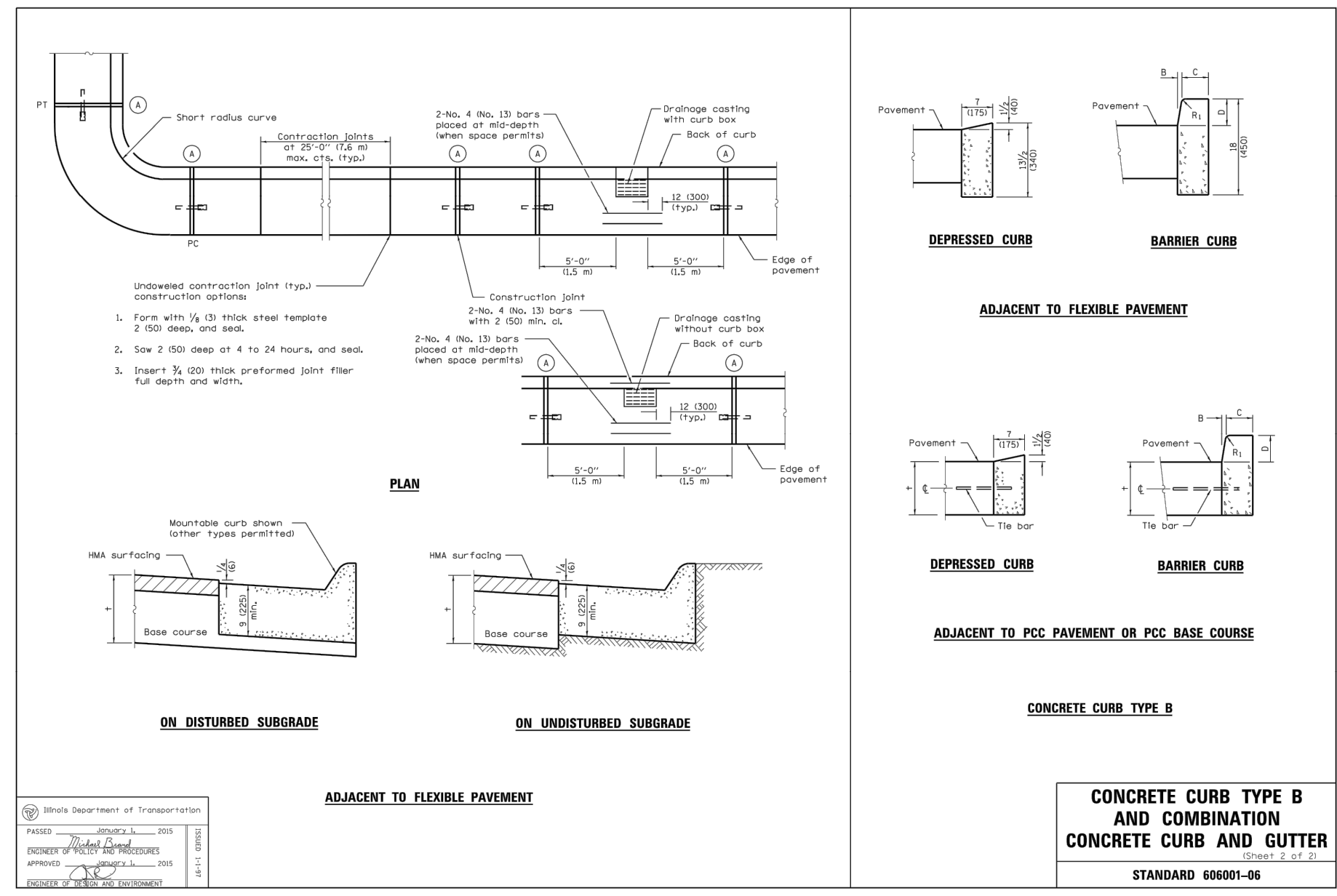
RAMPS IN LANDSCAPED AREA (SETBACK < 5')



1. MECHANICALLY COMPACTED CA-6 CRUSHED STONE IN 6 INCH LIFTS UNDER OR WITHIN 2 FEET OF ANY PAVEMENT, CURB, GUTTER AND SIDEWALK, MACHINE COMPACTION OF EXCAVATED MATERIAL IN OTHER LOCATIONS WHERE SUITABLE.
2. WATERMAIN & FORCEMAIN:
 - CA-11 OR CA-13 CRUSHED STONE TAMPED INTO PLACE TO SPRING LINE OF DUCTILE IRON PIPE ALL AROUND
3. STORM SEWER & SANITARY SEWER:
 - CA-11 OR CA-13 CRUSHED STONE TAMPED INTO PLACE TO SPRING LINE OF PIPE
 - *ADDITIONAL 12" OF CA-11 CRUSHED STONE ABOVE TOP OF PVC PIPE.
4. 4" BED MECHANICALLY COMPACTED CA-11 OR CA-13 CRUSHED STONE
5. UNSUITABLE MATERIAL TO BE REMOVED AND REPLACED.
6. TRENCH WIDTH OUTSIDE DIAMETER + 18 IN.

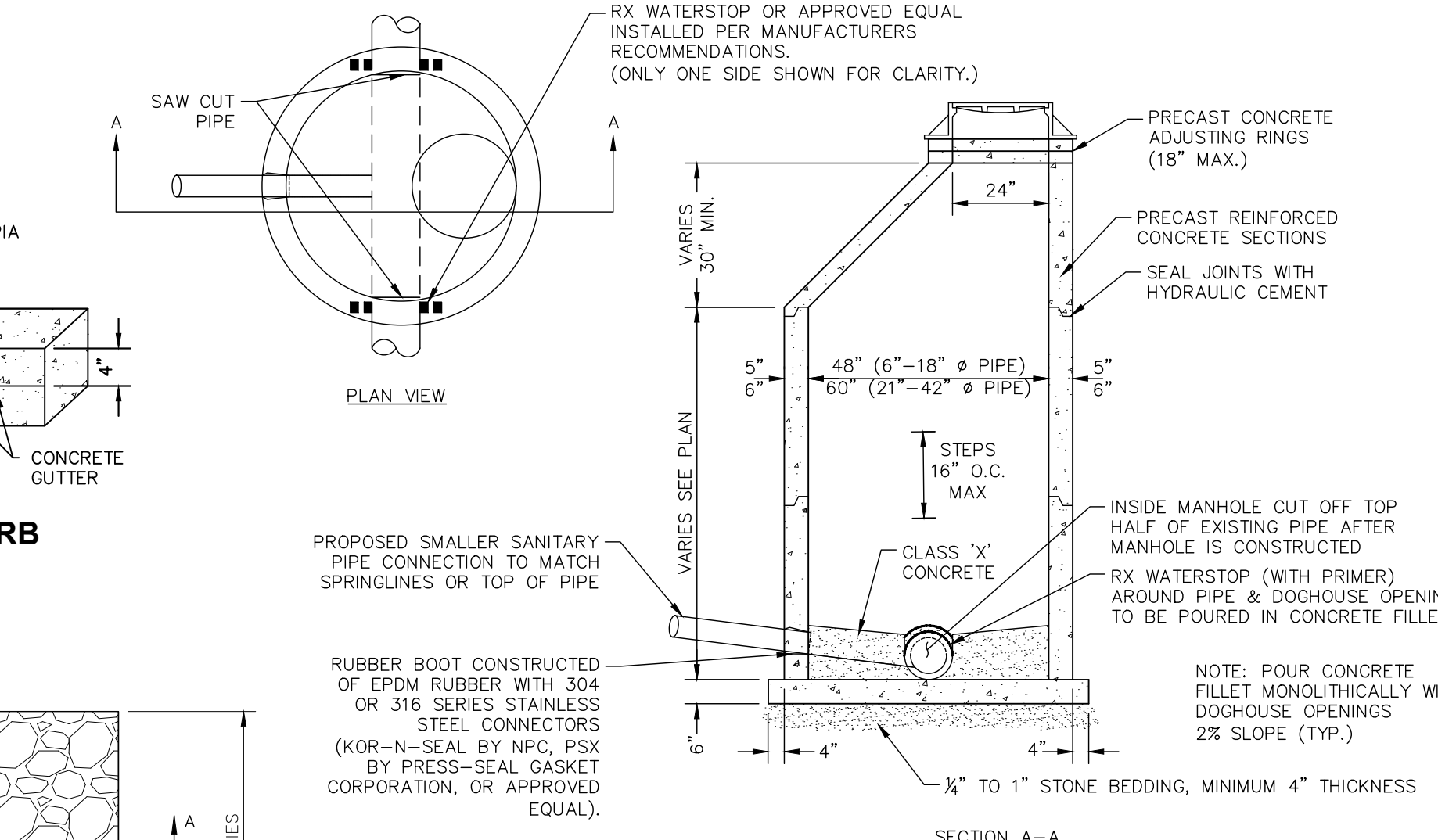
PIPE BEDDING DETAIL

N.T.S.



CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

STANDARD 606001-06



- NOTES:
1. UNLESS OTHERWISE NOTED, USE THE FOLLOWING FRAMES & GRATES OR EQUALS:
 - 1.1. -IN PAVED AREAS: NEENAH R-1713 OR APPROVED EQUAL W/TYPE B COVER (CLOSED)
 - 1.2. -IN GRASS: NEENAH R-1711 W/TYPE B COVER (CLOSED)
 2. EAST JORDAN EQUIVALENTS ALSO MAY BE USED.
 3. ALL COVERS SHALL BE SELF SEALING WITH CONCEALED PICK HOLES AND HAVE "SANITARY" CAST ON THE COVER.
 4. SANITARY MANHOLES NEED WATER PROOF COATING ON EXTERIOR AND STEPS.
 5. MASTIC ROPE REQUIRED BETWEEN ALL PRECAST SECTIONS WITH CHIMNEY SEAL.
 6. WATER PROOF WRAP REQUIRED ON ALL JOINTS.
 7. HYDRAULIC CEMENT REQUIRED FOR ANY ANNULAR SPACES AROUND THE PIPES AND BOOTS.
 8. DOGHOUSE OPENING IN PRECAST UNIT ARE TO BE 4" MIN. TO 8" MAX. LARGER THAN THE OUTSIDE DIAMETER OF THE EXISTING PIPE.

SANITARY MANHOLE - DOG HOUSE CONNECTION

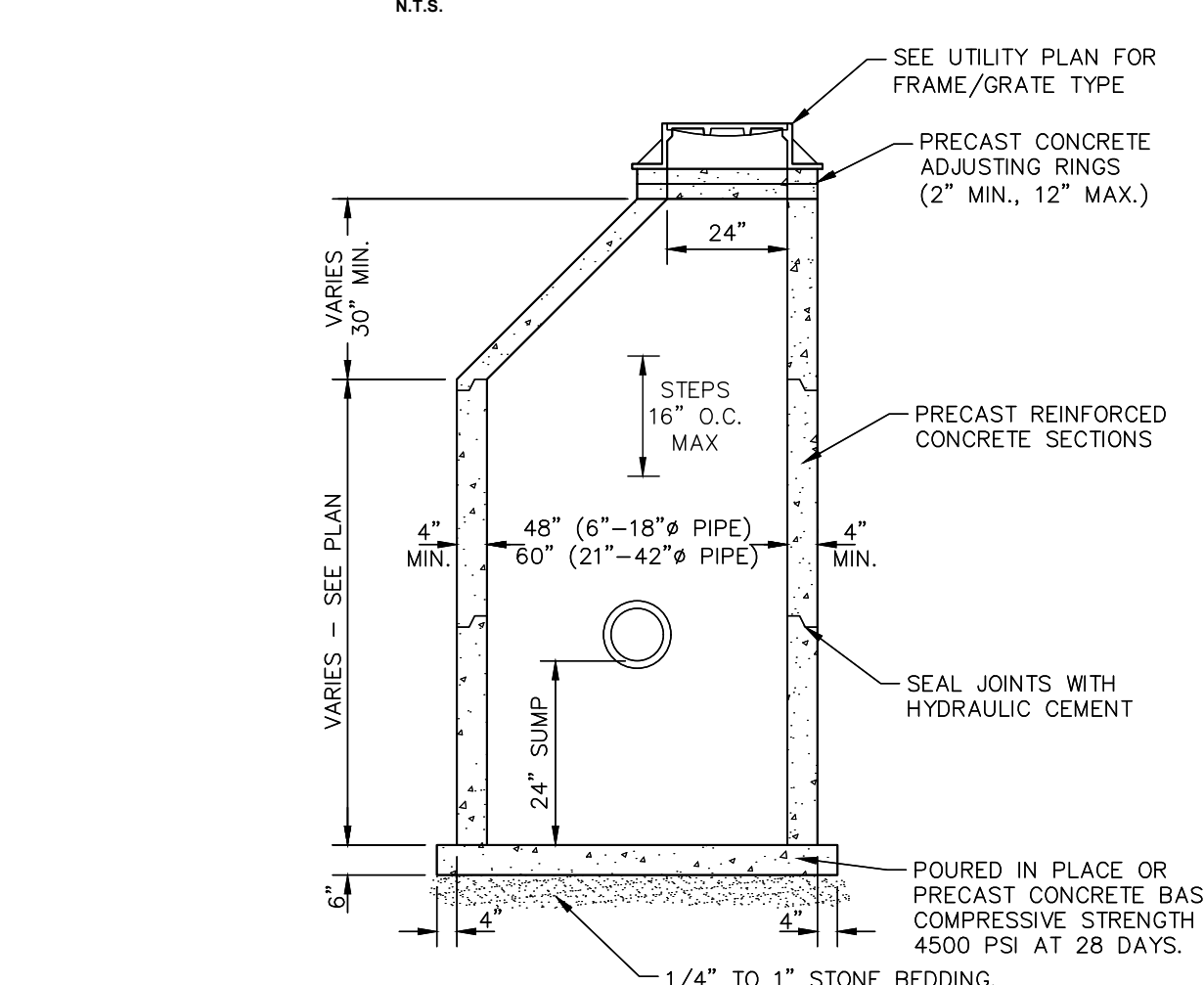
N.T.S.

RIP RAP (AT CURB CUT)

N.T.S.

NOTES:

1. The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class II, or III.
2. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

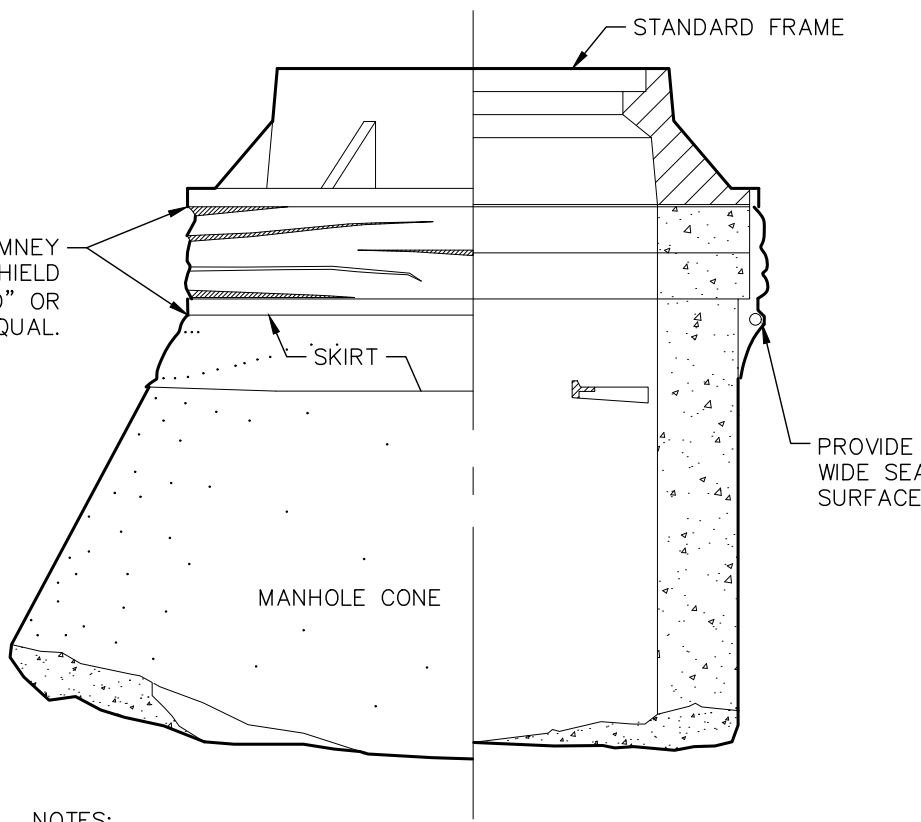


CATCH BASIN TYPE A

N.T.S.

EXTERNAL CHIMNEY SEAL

N.T.S.



- NOTES:
1. CHIMNEY SEALS SHALL BE INSTALLED ON ALL SANITARY SEWERAGE SYSTEM MANHOLES AND GREASE TRAP CATCH BASIN.
 2. EXTERNAL CHIMNEY SEAL SHALL BE INFI-SHIELD "UNIBAND" BY SIMA ENVIRONMENTAL OR APPROVED EQUAL.
 3. CHIMNEY SEALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

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ARLINGTON HEIGHTS, IL 60017-5550
WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
DESIGNED BY: SP
DRAWN BY: CPC
CHECKED BY: LEN

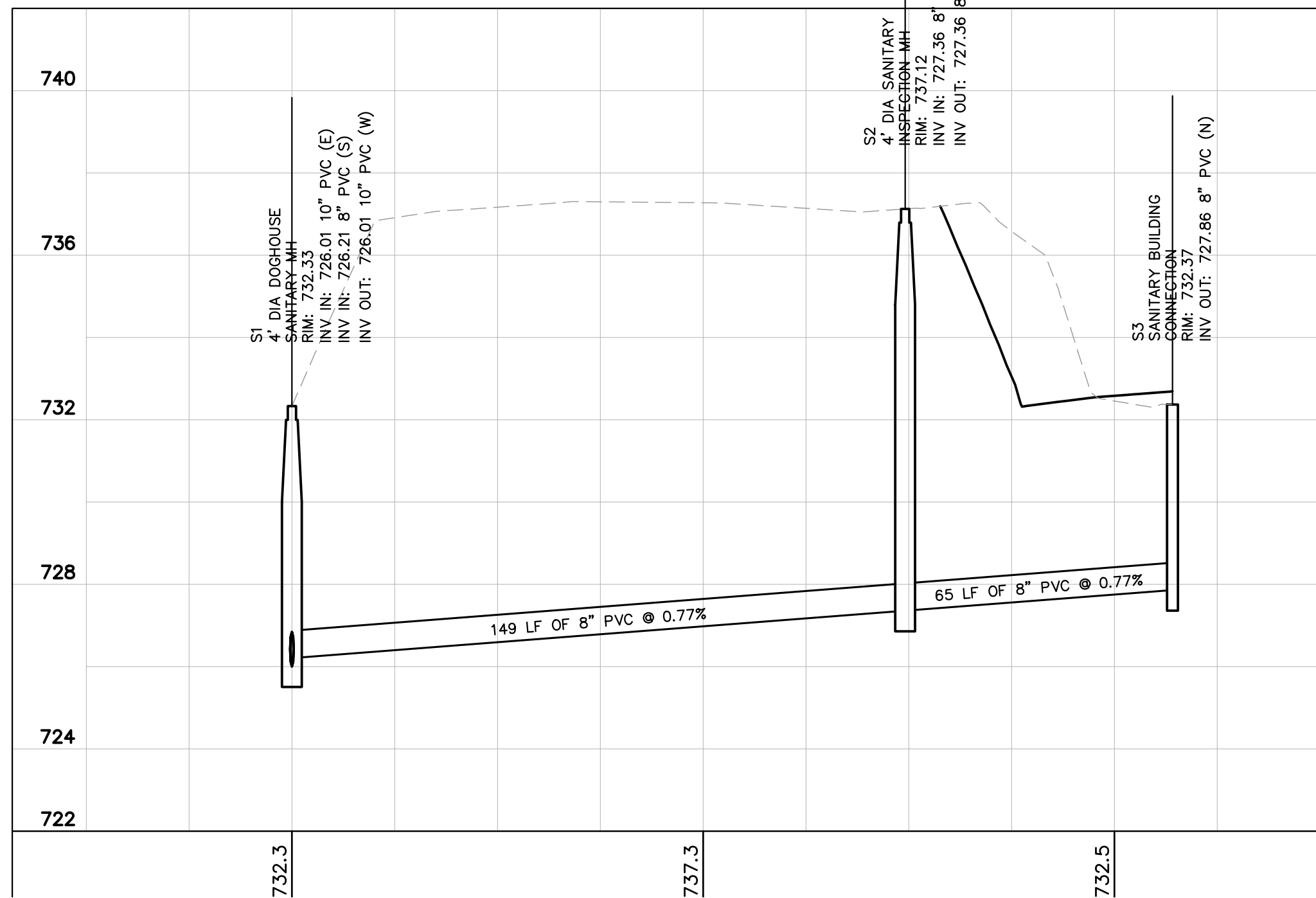
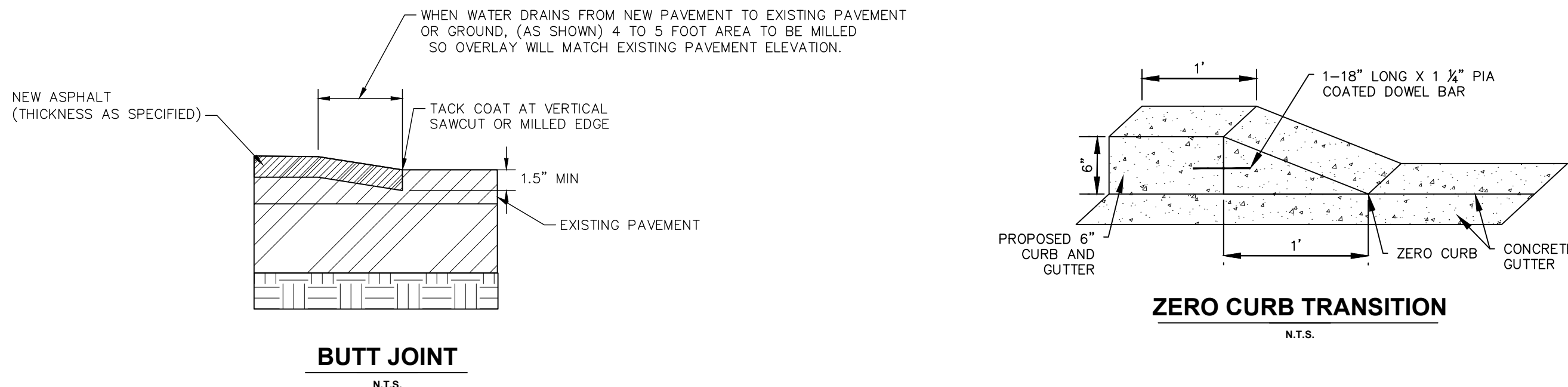
CONSTRUCTION DETAILS

PARKING LOT ALTERATION AND INTERIOR BUILDOUT
1901 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

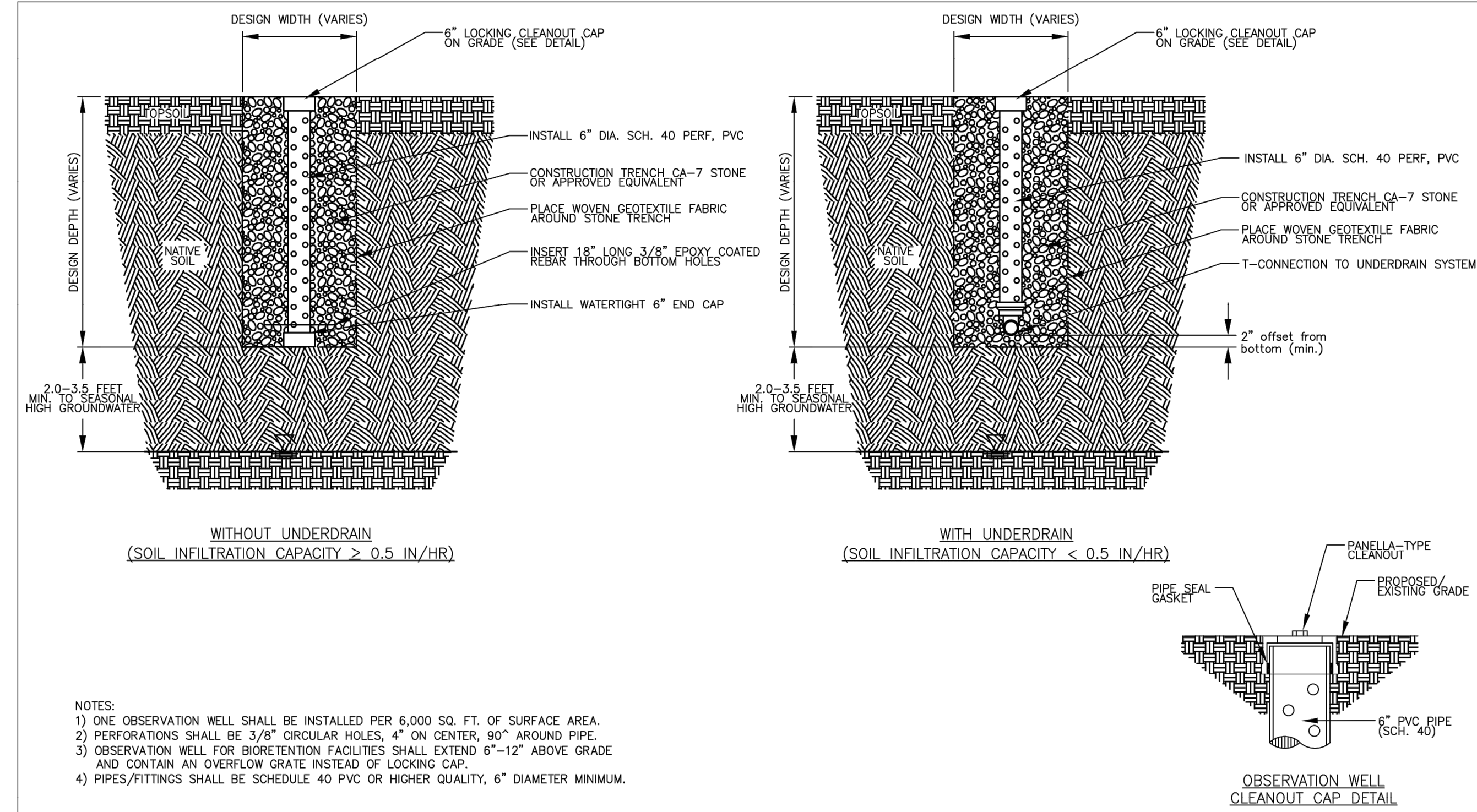
ORIGINAL ISSUE: 5/22/19
KHA PROJECT NO. 168672001
SHEET NUMBER

C8.0

Drawing name: K:\CHS_LDEV\168672001_Corpan_UnitedBNC-Arlington High\1_V_Design\CAD\PlanSheets\C8.0 - CONSTRUCTION DETAILS.dwg C8.1 Aug 08, 2019 2:27pm by: Travis Cyawaki
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SANITARY PROFILE
1" = 30' HORIZONTAL SCALE, 1" = 3' VERTICAL SCALE



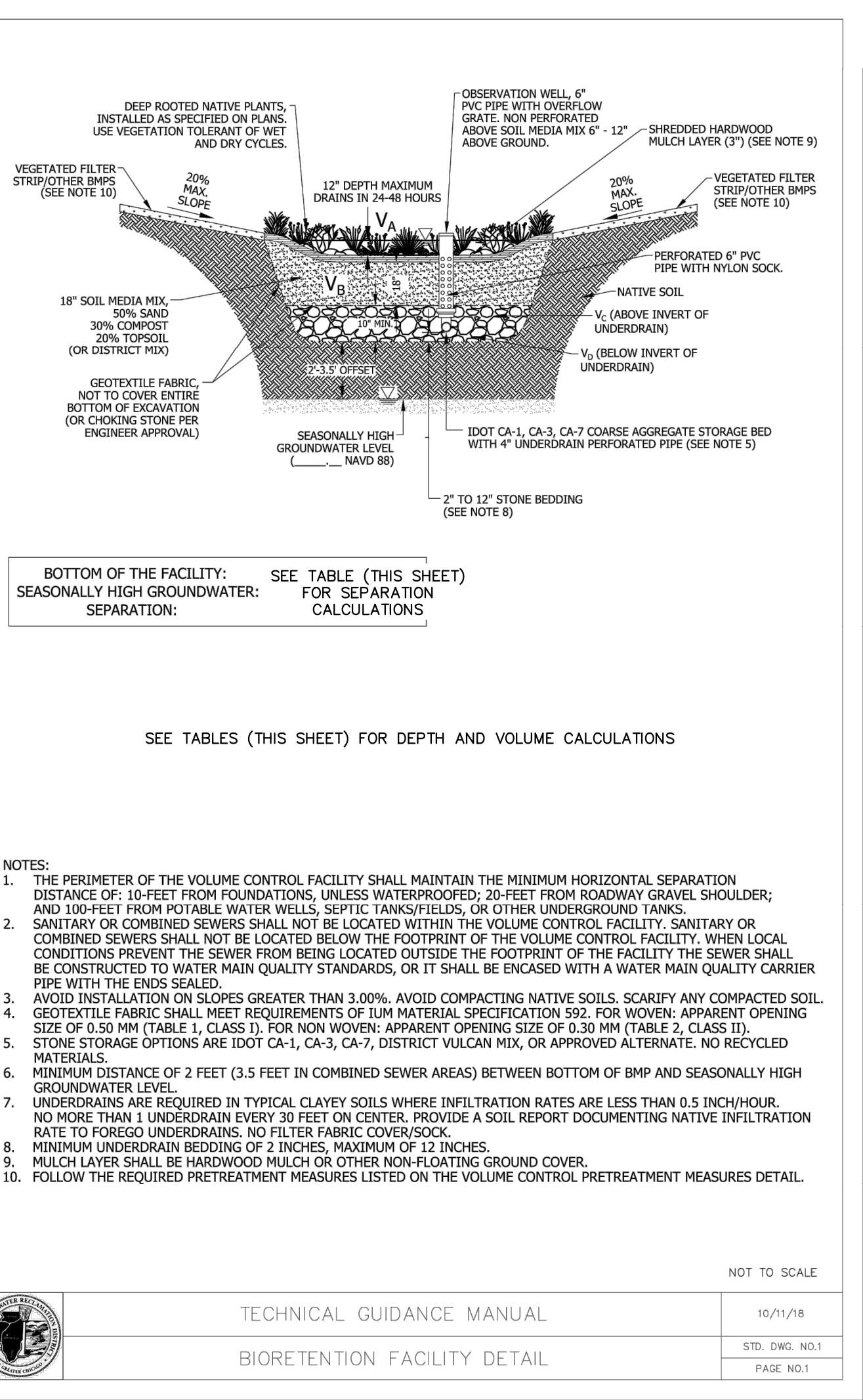
- NOTES:
- 1) ONE OBSERVATION WELL SHALL BE INSTALLED PER 6,000 SQ. FT. OF SURFACE AREA.
 - 2) PERFORATIONS SHALL BE 3/8" CIRCULAR HOLES, 4" ON CENTER, 90° AROUND PIPE.
 - 3) OBSERVATION WELL FOR BIORETENTION FACILITIES SHALL EXTEND 6"-12" ABOVE GRADE AND CONTAIN AN OVERFLOW GRATE INSTEAD OF LOCKING CAP.
 - 4) PIPES/FITTINGS SHALL BE SCHEDULE 40 PVC OR HIGHER QUALITY, 6" DIAMETER MINIMUM.



TECHNICAL GUIDANCE MANUAL

TYPICAL OBSERVATION WELL DETAIL

NOT TO SCALE
10/11/18
STD. DWG. NO. 8
PAGE NO. 9



TECHNICAL GUIDANCE MANUAL

BIORETENTION FACILITY DETAIL

NOT TO SCALE
10/11/18
STD. DWG. NO. 1
PAGE NO. 1

Bioretention Facility #1			Area	1279	sf
	Volume Type	Depth	Porosity	Media Volume	Storage Volume
		(ft)		(ac-ft)	(ac-ft)
	Surface Storage (VA)	1.000	100%	0.03	0.029
	Soil Media (VB)	1.500	25%	0.04	0.006
	Course Aggregate (Above Invert) (VC)	0.667	36%	0.02	0.004
	Course Aggregate (Below Invert) (VD)	0.167	36%	0.00	0.002
Sub-Total					0.040
Bioretention Facility #2			Area	1334	sf
	Volume Type	Depth	Porosity	Media Volume	Storage Volume
		(ft)		(ac-ft)	(ac-ft)
	Surface Storage (VA)	1.000	100%	0.03	0.031
	Soil Media (VB)	1.500	25%	0.05	0.006
	Course Aggregate (Above Invert) (VC)	0.667	36%	0.02	0.004
	Course Aggregate (Below Invert) (VD)	0.167	36%	0.01	0.002
Sub-Total					0.042
Bioretention Facility #3			Area	1968	sf
	Volume Type	Depth	Porosity	Media Volume	Storage Volume
		(ft)		(ac-ft)	(ac-ft)
	Surface Storage (VA)	1.000	100%	0.05	0.045
	Soil Media (VB)	1.500	25%	0.07	0.008
	Course Aggregate (Above Invert) (VC)	0.667	36%	0.03	0.005
	Course Aggregate (Below Invert) (VD)	0.167	36%	0.01	0.003
Sub-Total					0.062
				Total	0.144

Bioretention Facility #4			Area	226	sf
	Volume Type	Depth (ft)	Porosity	Media Volume (ac-ft)	Storage Volume (ac-ft)
	Surface Storage (VA)	1.000	100%	0.01	0.005
	Soil Media (VB)	1.500	25%	0.01	0.001
	Course Aggregate (Above Invert) (VC)	0.667	36%	0.00	0.001
	Course Aggregate (Below Invert) (VD)	1.000	36%	0.01	0.002
			Sub-Total		0.009
Bioretention Facility #5			Area	396	sf
	Volume Type	Depth (ft)	Porosity	Media Volume (ac-ft)	Storage Volume (ac-ft)
	Surface Storage (VA)	1.000	100%	0.01	0.009
	Soil Media (VB)	1.500	25%	0.01	0.002
	Course Aggregate (Above Invert) (VC)	0.667	36%	0.01	0.001
	Course Aggregate (Below Invert) (VD)	1.000	36%	0.01	0.003
			Sub-Total		0.015
Bioretention Facility #6			Area	584	sf
	Volume Type	Depth (ft)	Porosity	Media Volume (ac-ft)	Storage Volume (ac-ft)
	Surface Storage (VA)	1.000	100%	0.01	0.013
	Soil Media (VB)	1.500	25%	0.02	0.003
	Course Aggregate (Above Invert) (VC)	0.667	36%	0.01	0.002
	Course Aggregate (Below Invert) (VD)	1.000	36%	0.01	0.005
			Sub-Total		0.022
Bioretention Facility #7			Area	1554	sf
	Volume Type	Depth (ft)	Porosity	Media Volume (ac-ft)	Storage Volume (ac-ft)
	Surface Storage (VA)	1.000	100%	0.04	0.036
	Soil Media (VB)	1.500	25%	0.05	0.007
	Course Aggregate (Above Invert) (VC)	0.667	36%	0.02	0.004
	Course Aggregate (Below Invert) (VD)	1.000	36%	0.04	0.013
			Sub-Total		0.059
Bioretention Facility #8			Area	377	sf
	Volume Type	Depth (ft)	Porosity	Media Volume (ac-ft)	Storage Volume (ac-ft)
	Surface Storage (VA)	1.000	100%	0.01	0.009
	Soil Media (VB)	1.500	25%	0.01	0.002
	Course Aggregate (Above Invert) (VC)	0.667	36%	0.01	0.001
	Course Aggregate (Below Invert) (VD)	1.000	36%	0.01	0.003
			Sub-Total		0.014
Phase 2 Sub-Total				0.120	
Excess Volume Control Provided in Phase 1					0.125
				Total	0.245

FACILITY NUMBER:	1	2	3	4	5	6	7	8
BOTTOM OF FACILITY:	727.06	726.86	726.16	724.93	725.53	725.73	726.03	726.03
SEASONALLY HIGH GROUNDWATER:	713.00	713.00	713.00	713.00	713.00	713.00	713.00	713.00
SEPARATION:	14.06	13.86	13.16	11.93	12.53	12.73	13.03	13.03

LEN	LEN	DATE
07/25/19	08/07/19	
REVISIONS		
NO.	COMMENTS/PUD	BY
1	VILLAGE COMMENTS/MWRD SUBMITTAL	
2	VILLAGE COMMENTS/PUD	
3		

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SCALE:	AS NOTED
DESIGNED BY: SJP	
DRAWN BY: CPC	
CHECKED BY: LEN	

C O R G A N

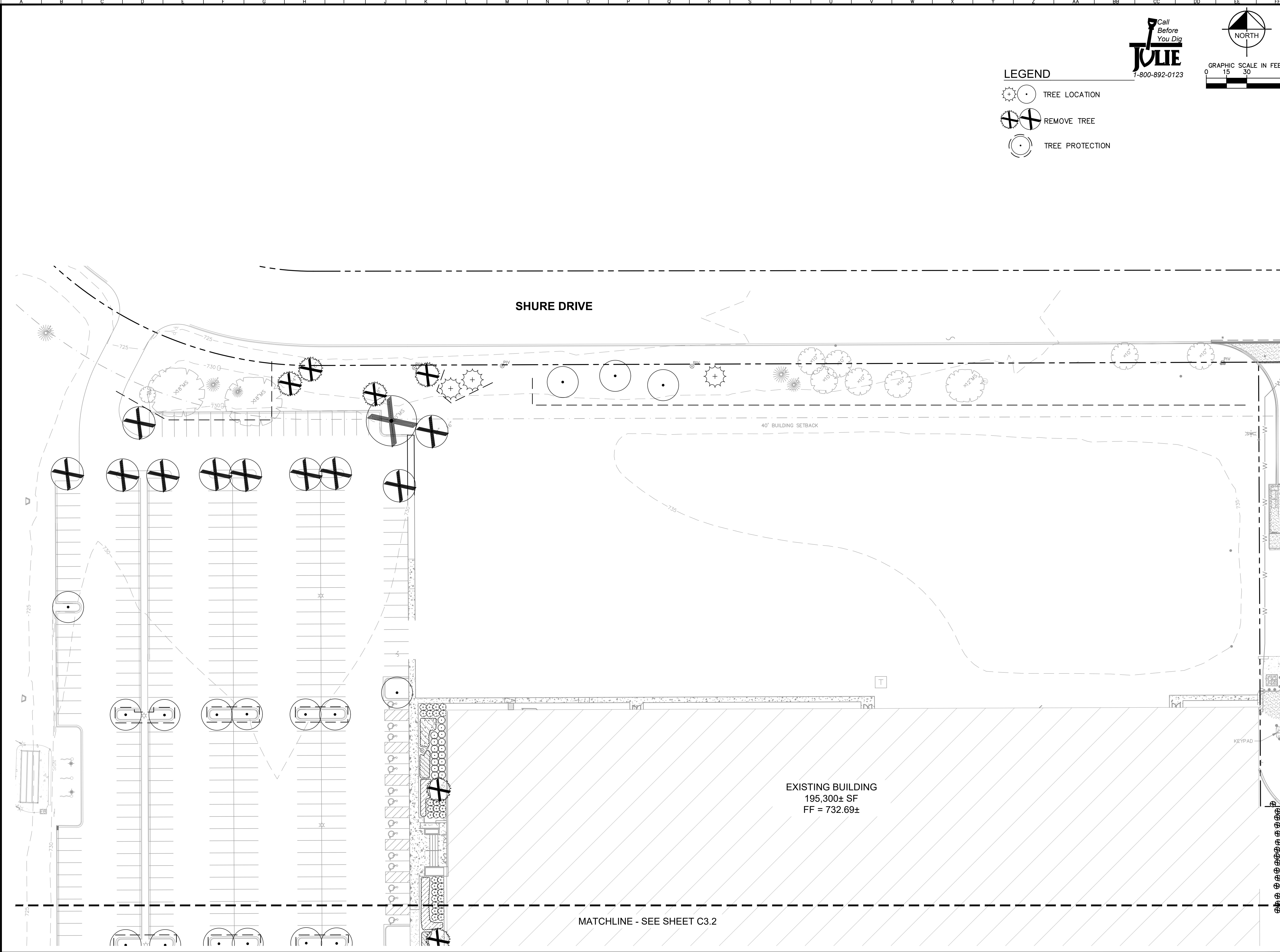
**CONSTRUCTION
DETAILS**

**PARKING LOT ALTERATION
AND INTERIOR BUILDOUT**
1501 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

ORIGINAL ISSUE:
5/22/19
KHA PROJECT NO.
168672001
SHEET NUMBER

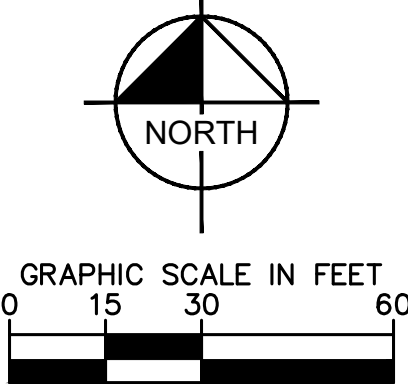
C8.1

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LEGEND

- TREE LOCATION
- REMOVE TREE
- TREE PROTECTION



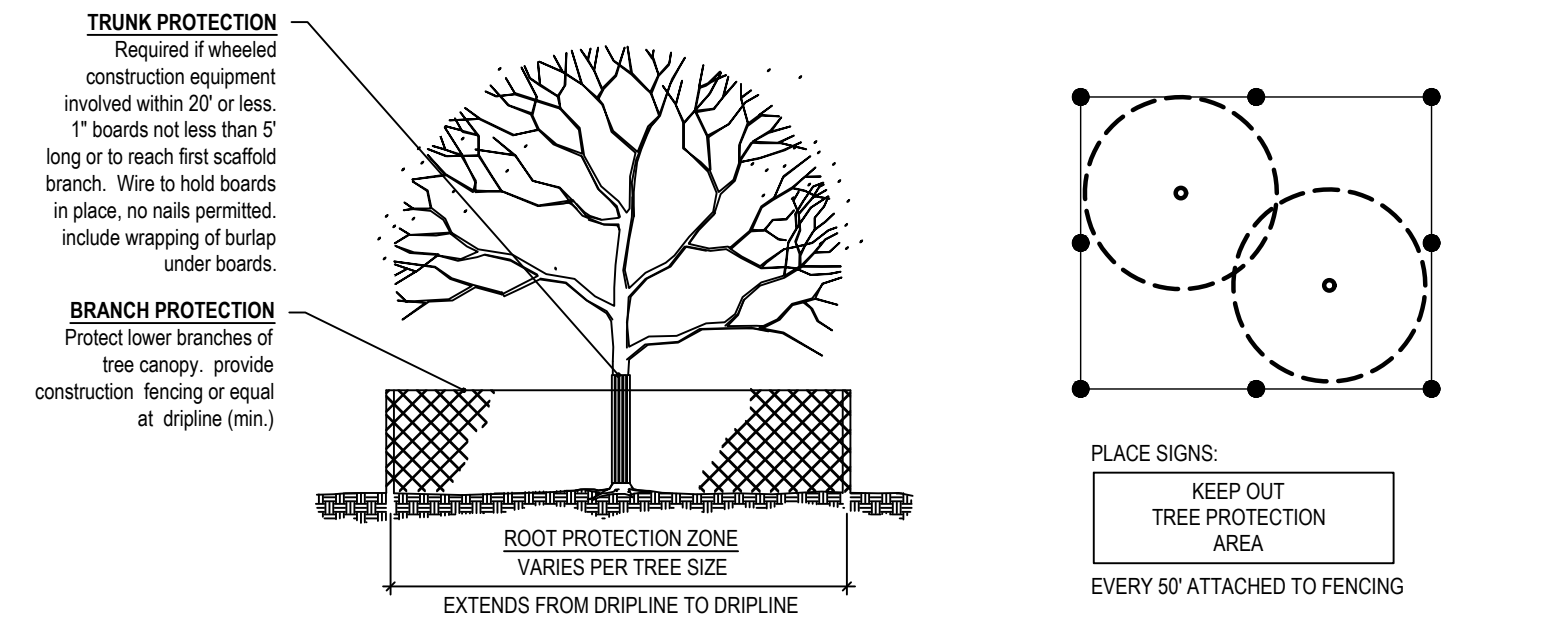
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SCALE: AS NOTED	DESIGNED BY: SJP	DRAWN BY: CPC	CHECKED BY: LEN
TREE REMOVALS PLAN (NORTH)		PARKING LOT ALTERATION AND INTERIOR BUILDOUT 1901 SHURE DRIVE ARLINGTON HEIGHTS, IL 60004	
ORIGINAL ISSUE: 5/22/19		KHA PROJECT NO. 168672001	
SHEET NUMBER		L1.0	

Drawing name: K:\GIS_LDEV\168672001_corporation_united.docx_0rington_high\1\2 TREE REMOVALS PLAN.dwg L1.2 TREE REMOVALS PLAN Aug 08, 2019 3:01pm by: Christina Morelli

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TREE AND SHRUB PROTECTION



- TREE PROTECTION NOTES**
1. All trees to be protected and preserved shall be per detail. grouping of more than one tree may occur.
 2. Trees to be protected and preserved shall be identified on the trunk with white survey tape.
 3. To prevent root smothering, crushed limestone, soil stockpiles, supplies, equipment or any other material shall not be placed or stored within the drip line or within 15 feet of a tree trunk, whichever is greater.
 4. Tree roots shall not be cut unless cutting is unavoidable.
 5. Trenches shall be hand dug within the drip line in areas where roots two inches in diameter and greater are present, or when in close proximity to low branching trees. whenever possible, roots two inches or greater in diameter shall be tunneled or bored under and shall be covered to prevent dehydration.
 6. When root cutting is unavoidable, a clean sharp cut shall be made to avoid shredding or smashing. root cuts should be made back to a lateral root. whenever possible, roots should be cut between late fall and bud opening, when root energy supplies are high and conditions are least favorable for disease causing agents. exposed roots shall be covered immediately to prevent dehydration. roots shall be covered with soil or burlap and kept moist.
 7. Watering of protected trees in which roots were cut shall be provided by the contractor.
 8. Auger tunneling rather than trenching should be used for utility placement within drip line.
 9. Fencing material shall encircle any tree or shrub whose outer drip line edge is within 20 feet of any construction activities.
 10. Fencing material shall be bright, contrasting color, durable, and a minimum of four feet in height.
 11. Fencing material shall be set at the drip line or 15 feet from tree trunk, whichever is greater, and maintained in an upright position throughout the duration of construction activities.
 12. In areas where a tree is in the construction zone and fencing within the drip line is not possible, two by six inch by eight foot long boards banded or wired around each trunk shall be provided as protection to adequately prevent scarring.
 13. Any grade changes (such as the removal of topsoil or addition of fill material) within the drip line should be avoided for existing trees to remain. retaining walls and tree walls are acceptable only when constructed prior to grade change.
 14. Any relocated or replaced tree shall be guaranteed for up to one growing season. In the vent a relocated or replaced tree dies or is in declining condition, the tree shall be replaced with 4" caliper tree.

TREE REMOVALS

TREES

QTY	BOTANICAL NAME	COMMON NAME	CAL	REPLACEMENT TREES
5	ACER FREEMANII 'AUTUMN BLAZE'	AUTUMN BLAZE MAPLE	4" CAL	N/A
3	ACER MIYABEI 'MORTON'	MIYABEI MAPLE	4" CAL	N/A
3	CELTIS OCCIDENTALIS	COMMON HACKBERRY	4" CAL	N/A
2	GINKGO BILOBA 'AUTUMN GOLD' TM	MAIDENHAIR TREE	4" CAL	N/A
5	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS COMMON HONEYLOCUST	4" CAL	N/A
1	PLATANUS X ACERIFOLIA 'MORTON CIRCLE'	EXCLAMATION LONDON PLANE TREE	4" CAL	N/A
9	TILIA TOMENTOSA 'STERLING'	STERLING SILVER LINDEN	4" CAL	N/A
3	ULMUS AMERICANA 'PRINCETON'	AMERICAN ELM	4" CAL	N/A
5	ULMUS X 'ACCOLADE'	ACCOLADE ELM	4" CAL	N/A
1		DECIDUOUS TREE	6" CAL	N/A
1		DECIDUOUS TREE	10" CAL	3
2		DECIDUOUS TREE	12" CAL	6
1		DECIDUOUS TREE	14" CAL	3
1		DECIDUOUS TREE	15" CAL	4
1		DECIDUOUS TREE	18" CAL	4
1	MALUS	CRABAPPLE	20" CAL	5

EVERGREEN TREES

QTY	BOTANICAL NAME	COMMON NAME	CAL	REPLACEMENT TREES
21	4" EVERGREEN			N/A
6	5" EVERGREEN			N/A
4	16" EVERGREEN			16
1	18" EVERGREEN			4
1	24" EVERGREEN			5

TOTAL REPLACEMENT TREES REQUIRED = 50



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SCALE: AS NOTED
DESIGNED BY: SJP
DRAWN BY: CPC
CHECKED BY: LEN



TREE REMOVALS
PLAN

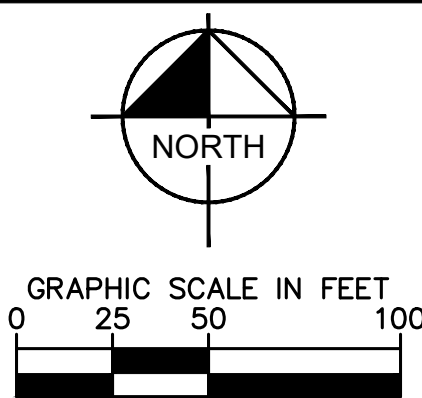
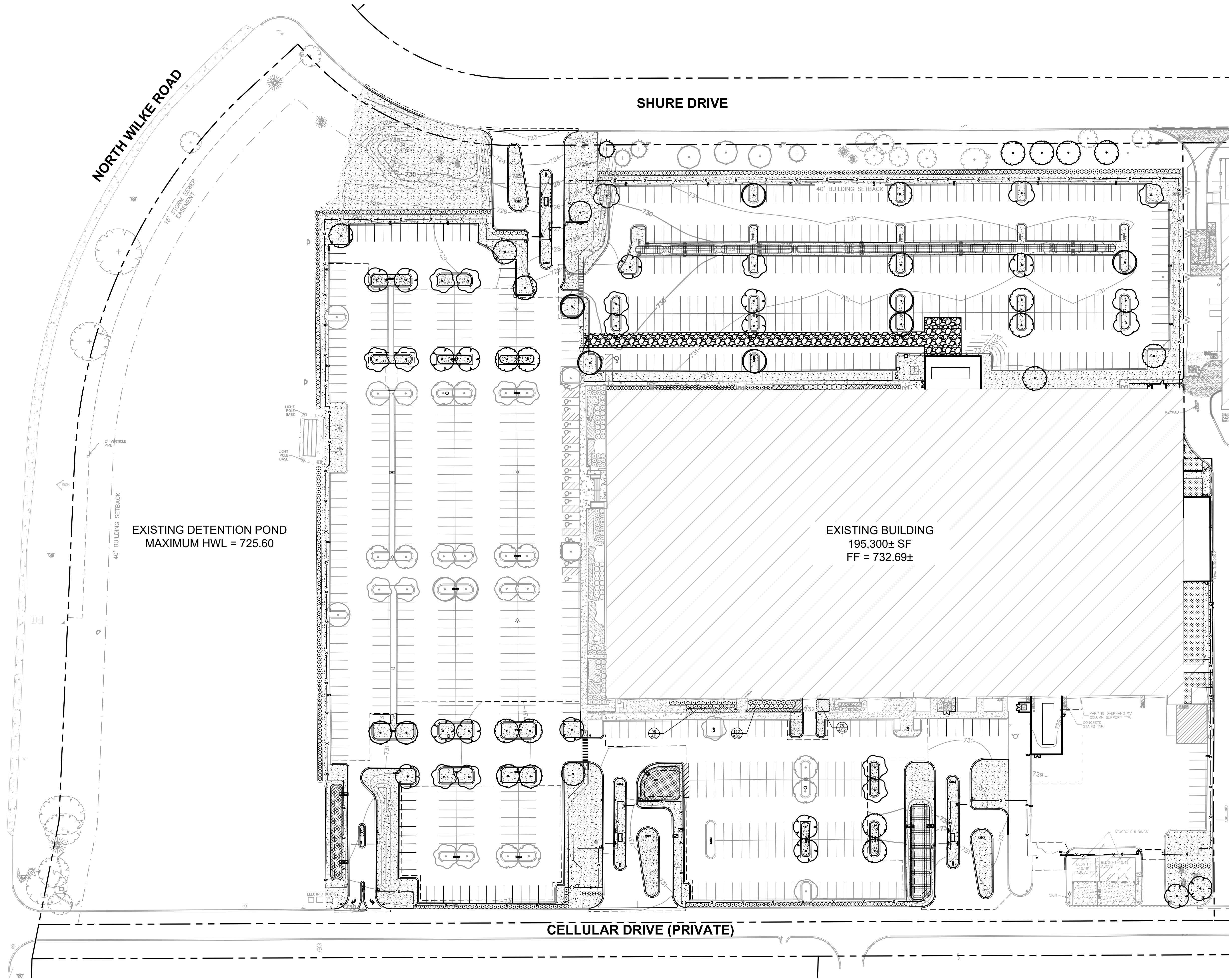
PARKING LOT ALTERATION
AND INTERIOR BUILDOUT
168672001
ARLINGTON HEIGHTS, IL 60004

ORIGINAL ISSUE:
5/22/19
KHA PROJECT NO.
168672001
SHEET NUMBER

L1.2

NO.	REVISIONS	DATE	BY
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2	VILLAGE COMMENTS/PUD COMMENTS	08/07/19	LEN

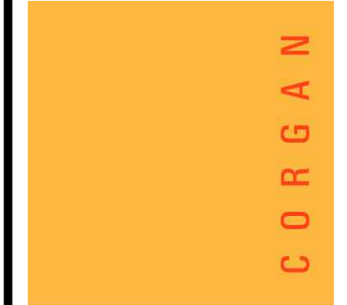
Drawing name: K:\GIS_LIVE\168672001_corgan_united.docx_01.dwg L2.0 OVERALL LANDSCAPE PLAN Aug 08, 2019 3:01pm by: Christina Morelli
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REVISIONS		DATE	BY
1	VILLAGE COMMENTS/MWRD SUBMITTAL	07/25/19	LEN
2	VILLAGE COMMENTS/PUD COMMENTS	08/07/19	LEN

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SCALE:	AS NOTED
DESIGNED BY: SJP	
DRAWN BY: CPC	
CHECKED BY: LEN	



OVERALL
LANDSCAPE PLAN

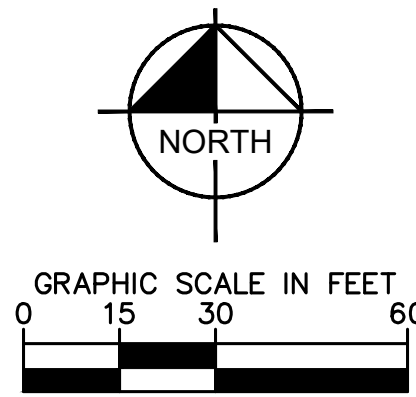
PARKING LOT ALTERATION
AND INTERIOR BUILDOUT
1501 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

ORIGINAL ISSUE:
5/22/19
KHA PROJECT NO.
168672001
SHEET NUMBER

L2.0

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SHURE DRIVE

PROPERTY LINE —

— EXISTING LANDSCAPE TO REMAIN

40' BUILDING SETBACK

EXISTING LANDSCAPE TO REMAIN, TYP.

EXISTING BUILDING
195,300± SF
FF = 732.69±

MATCHLINE - SEE SHEET L2.2

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DESIGNED BY:	SJP
DRAWN BY:	CPC
CHECKED BY:	LEN

CONGRATULATIONS

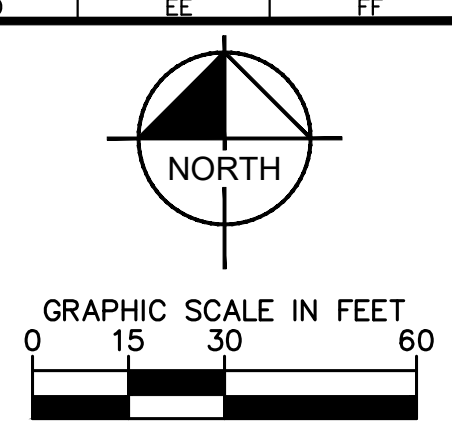
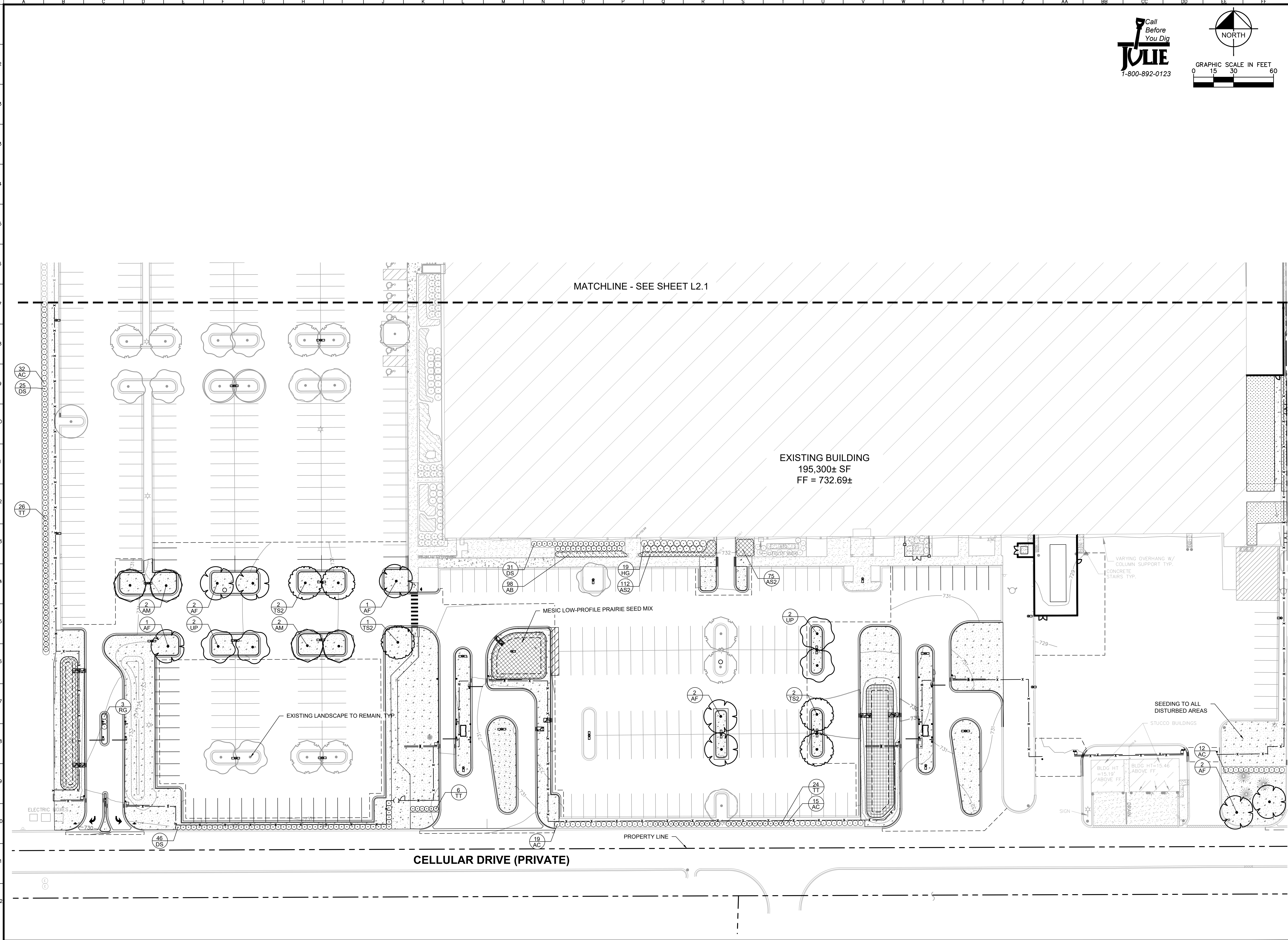
LANDSCAPE
PLAN (PHASE 1
NORTH)

**PARKING LOT ALTERATION
AND INTERIOR BUILDOUT**
1501 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

ORIGINAL ISSUE:	5/22/19
KHA PROJECT NO	168672001
SHEET NUMBER	

L2.1

Drawing name: K:\GHS_LDEV\168672001_corporation_unitedstates_highway22\2 LANDSCAPE PLAN (PHASE 1 SOUTH) Aug 08, 2019 3:07pm by: Christina Morrell
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1		VILLAGE COMMENTS/MWRD SUBMITTAL		07/25/19	LEN
2		VILLAGE COMMENTS/PUD COMMENTS		08/07/19	LEN
3					
4					
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SCALE:		AS NOTED
DESIGNED BY: SJP		CPC
DRAWN BY:		LEN
CHECKED BY:		LEN

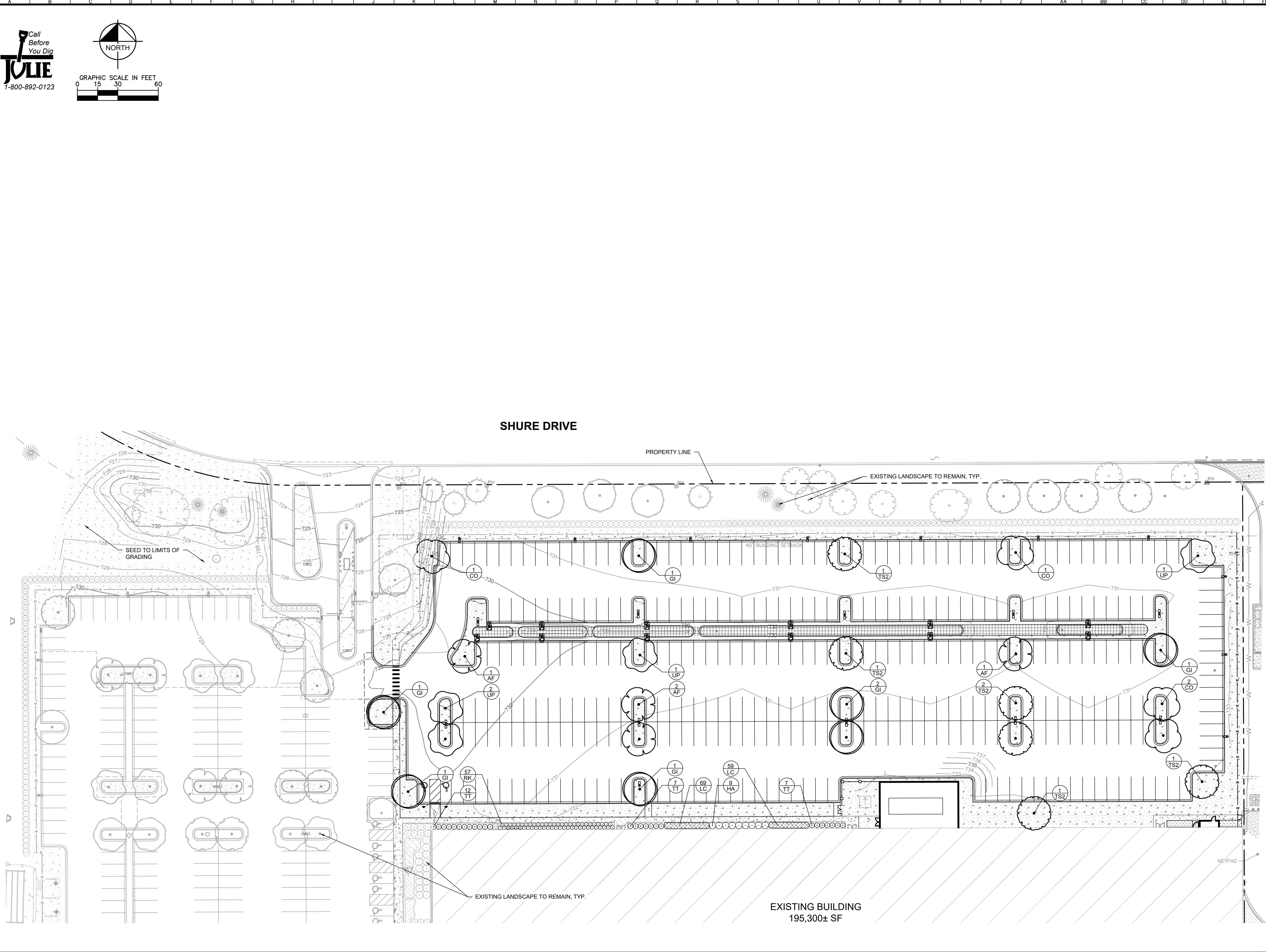
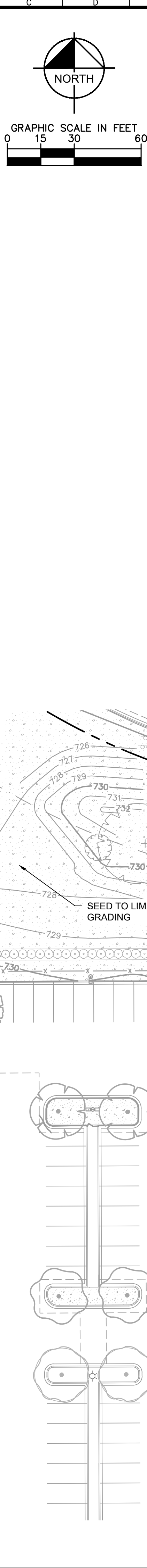
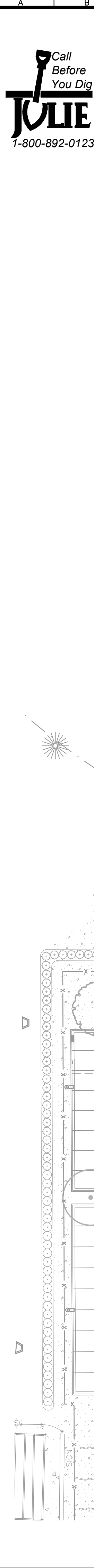
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CORPORATION	
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LANDSCAPE PLAN (PHASE 1 SOUTH)	
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PARKING LOT ALTERATION AND INTERIOR BUILDOUT	
1501 SHIRE DRIVE ARLINGTON HEIGHTS, IL 60004	

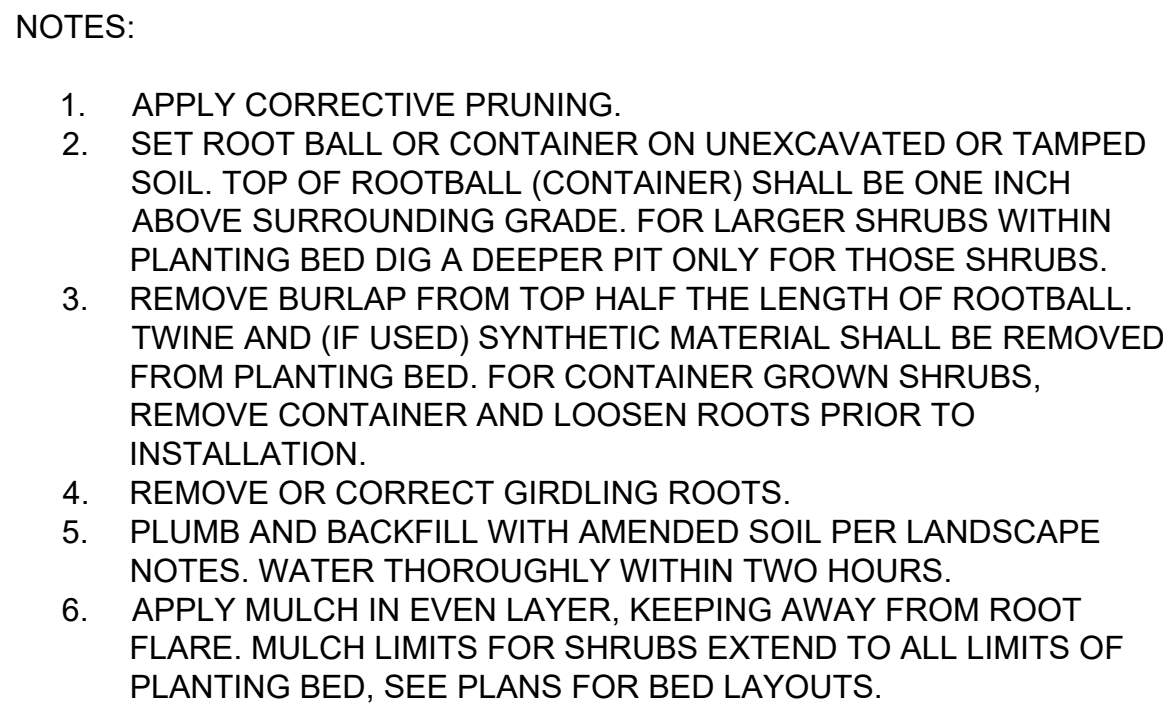
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SHEET NUMBER	
L2.2	



EXISTING BUILDING
195,300± SF

[illegible]

1. INSPECT TREE FOR DAMAGED BRANCHES, APPLY CORRECTIVE PRUNING.
2. SET ROOT BALL ON UNEXCAVATED OR TAMPED SOIL. TOP OF ROOTBALL SHALL BE TWO INCHES ABOVE SURROUNDING GRADE WITH BURLAP AND WIRE BASKET INTACT.
3. REMOVE WIRE BASKET AND BURLAP DOWN FOUR TO SIX INCHES BELOW TOP OF ROOT BALL. REMOVE ALL TWINE AND (IF USED), SYNTHETIC MATERIAL. REMOVE OR CORRECT GIRDLING ROOTS.
4. TAMP EXCAVATED SOIL AROUND BASE OF ROOTBALL.
5. BACKFILL REMAINDER EXCAVATED SOIL TAMPED LIGHTLY. HIGH CLAY OR POOR SOIL SHALL RECEIVE SOIL AMENDMENT PER LANDSCAPE NOTES.
6. WATER THOROUGHLY WITHIN TWO HOURS USING 10 TO 15 GALLONS OF WATER.
7. APPLY MULCH IN EVEN LAYER, KEEPING AWAY FROM ROOT FLARE.
8. FINAL LOCATION OF TREE TO BE APPROVED BY OWNER.



NOTES:

1. EXCAVATE PLANTING BED.
2. BED HEIGHT IS TO BE 2" ABOVE FINISH GRADE AND WELL DRAINED.
3. REMOVE CONTAINER, SCORE SOIL MASS TO REDIRECT AND PREVENT CIRCLING ROOTS. CORRECT GIRDLING ROOTS.
2. PLANT MATERIAL SHALL BE LAID OUT BY FOLLOWING THE BED EDGE, WORKING TOWARDS THE CENTER OF THE BED USING TRIANGULAR (STAGGERED) SPACING AS PLAUSIBLE.
3. PLUMB AND BACKFILL WITH PLANTING MIX AS SPECIFIED IN LANDSCAPE NOTES.
4. APPLY MULCH IN EVEN LAYER, KEEPING AWAY FROM ROOT FLARE. MULCH LIMITS FOR PERENNIALS/GROUND COVER EXTEND TO ALL LIMITS OF PLANTING BED, SEE PLANS FOR BED LAYOUTS.
5. SPACING TO BE AS SPECIFIED IN THE PLANT LIST. PERENNIALS SHALL BE PLACED WITH THEIR CENTER 24" FROM EDGE OF BED.



1. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING MATERIALS AND PLANTS SHOWN ON THE LANDSCAPE PLAN. THE CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR UTILITIES, ADJACENT LANDSCAPE, PUBLIC AND PRIVATE PROPERTY THAT IS DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTOR'S OPERATIONS DURING INSTALLATION OR DURING THE SPECIFIED MAINTENANCE PERIOD. CALL FOR UTILITY LOCATIONS PRIOR TO ANY EXCAVATION.
2. THE CONTRACTOR SHALL REPORT ANY DISCREPANCY IN PLAN VS. FIELD CONDITIONS IMMEDIATELY TO THE LANDSCAPE ARCHITECT, PRIOR TO CONTINUING WITH THAT PORTION OF WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY OF THEIR TRENCHES OR EXCAVATIONS THAT SETTLE.
4. ALL NURSERY STOCK SHALL BE WELL BRANCHED, HEALTHY, FULL, PRE-INOCULATED AND FERTILIZED. DECIDUOUS TREES SHALL BE FREE OF FRESH SCARS. TRUNKS WILL BE WRAPPED IF NECESSARY TO PREVENT SUN SCALD AND INSECT DAMAGE. THE LANDSCAPE CONTRACTOR SHALL REMOVE THE WRAP AT THE PROPER TIME AS A PART OF THIS CONTRACT.
5. ALL NURSERY STOCK SHALL BE GUARANTEED, BY THE CONTRACTOR, FOR ONE YEAR FROM DATE OF FINAL INSPECTION.
6. AMENDED SOIL SHALL BE PROVIDED AND GRADED BY THE GENERAL CONTRACTOR UP TO 6 INCHES BELOW FINISHED GRADE IN TURF AREAS AND 18 INCHES IN PLANTING AREAS.
7. PLANTING AREA SOIL SHALL BE AMENDED WITH 25% SPHAGNUM PEATMOSS, 5% HUMUS AND 65% PULVERIZED SOIL FOR ALL SHRUB, ORNAMENTAL GRASS, PERENNIAL AND ANNUAL BEDS. AMENDED TURF AREA SOIL SHALL BE STANDARD TOPSOIL.
8. SEED/SOD LIMIT LINES ARE APPROXIMATE. CONTRACTOR SHALL SEED/SOD ALL AREAS WHICH ARE DISTURBED BY GRADING WITH THE SPECIFIED SEED/SOD MIXES.
9. CONTRACTOR SHALL INSTALL SHREDDED HARDWOOD MULCH AT A 3" DEPTH TO ALL TREES, SHRUB, PERENNIAL, AND GROUND COVER AREAS. TREES PLACED IN AREA COVERED BY TURF SHALL RECEIVE A 4 FT WIDE MAXIMUM TREE RING WITH 3" DEPTH SHREDDED HARDWOOD MULCH. A SPADED BED EDGE SHALL SEPARATE MULCH BEDS FROM TURF OR SEEDED AREAS. A SPADED EDGE IS NOT REQUIRED ALONG CURBED EDGES.
10. INSTALLATION OF TREES WITHIN PARKWAYS SHALL BE COORDINATED IN THE FIELD WITH LOCATIONS OF UNDERGROUND UTILITIES. TREES SHALL NOT BE LOCATED CLOSER THAN 5' FROM UNDERGROUND UTILITY LINES AND NO CLOSER THAN 10' FROM UTILITY STRUCTURES.
11. DO NOT DISTURB THE EXISTING PAVING, LIGHTING, OR LANDSCAPING THAT EXISTS ADJACENT TO THE SITE UNLESS OTHERWISE NOTED ON PLAN.
12. PLANT QUANTITIES SHOWN ARE FOR THE CONVENIENCE OF THE OWNER AND JURISDICTIONAL REVIEW AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES AS DRAWN.
13. THE OWNER'S REPRESENTATIVE MAY REJECT ANY PLANT MATERIALS THAT ARE DISEASED, DEFORMED, OR OTHERWISE NOT EXHIBITING SUPERIOR QUALITY.
14. THE CONTINUED MAINTENANCE OF ALL REQUIRED LANDSCAPING SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY ON WHICH SAID MATERIALS ARE REQUIRED. ALL PLANT MATERIALS REQUIRED BY THIS SECTION SHALL BE MAINTAINED AS LIVING VEGETATION AND SHALL BE PROMPTLY REPLACED IF THE PLANT MATERIAL HAS DIED PRIOR TO FINAL ACCEPTANCE. PLANTING AREAS SHALL BE KEPT FREE OF TRASH, LITTER, AND WEEDS AT ALL TIMES.

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
	AF	12	ACER FREEMANII 'JEFFERSRED' TM	AUTUMN BLAZE MAPLE	B & B	4" CAL MIN	
	AM	5	ACER MIYABEI 'MORTON' TM	MIYABEI MAPLE	B & B	4" CAL MIN	
	PA	1	PICEA ABIES	NORWAY SPRUCE	B & B		8' HT MIN
	TS2	14	TILIA TOMENTOSA 'STERLING'	STERLING SILVER LINDEN	B & B	4" CAL MIN	
	UP	8	ULMUS AMERICANA 'PRINCETON'	AMERICAN ELM	B & B	4" CAL MIN	
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING	SIZE
	AC	212	ARONIA MELANOCARPA 'AUTUMN MAGIC'	AUTUMN MAGIC BLACK CHOKEBERRY	-		36" HT MIN
	DS	147	DIERVILLA RIVULARIS 'SMDNDRSF'	KODIAK BLACK BUSH HONEYSUCKLE	-		36" HT MIN
	HG	19	HYDRANGEA QUERCIFOLIA 'RUBY SLIPPERS'	OAKLEAF HYDRANGEA	-	SEE PLAN	24" HT MIN
	RG	3	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	-		12" HT MIN
	TT	136	TAXUS X MEDIA 'TAUNTONII'	TAUTON YEW	-		36" HT MIN
PERENNIALS AND GRASSES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT		SPACING
	AB	98	AMSONIA TABERNAEMONTANA 'BLUE ICE'	BLUE ICE STAR FLOWER	1 GAL		18" o.c.
	AS2	187	ALLIUM X 'SUMMER BEAUTY'	SUMMER BEAUTY ALLIUM	1 GAL		18" o.c.
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	CONT			
			MESIC LOW-PROFILE PRAIRIE SEED MIX	SEED			
			TURF SOD	SOD			
			TURF SEED	SEED			

[illegible]

BOTANICAL NAME	COMMON NAME	LBS / ACRE	% OF TOTAL
<i>Bouteloua curtipendula</i>	Side-Oats Grama	12	34%
<i>Coreopsis palmata</i>	Prairie Coreopsis	1	3%
<i>Echinacea purpurea</i>	Purple Coneflower	2	6%
<i>Panicum virgatum</i>	Switch Grass	6	17%
<i>Schizachyrium scoparium</i>	Little Bluestem	6	17%
<i>Sporobolus heterolepis</i>	Prairie Dropseed	8	23%
TOTAL LBS PER ACRE:		35	

SITE LANDSCAPE REQUIREMENT CALCULATIONS		
ZONING ORDINANCE	REQUIREMENT	PROVIDED
SECTION 6.15 - 1.2 NEW LANDSCAPING REQUIREMENTS		
ALL PAVED SERVICE AREAS ABUTTING STREET OR OFF-STREET PARKING AREAS SHALL BE EFFECTIVELY SCREENED ON EACH SIDE ADJOINING ANY PUBLIC WAY	SCREENING ALONG THE NORTH, SOUTH AND WEST BOUNDARIES OF THE SITE	CONTINUOUS SHRUB ROW PROVIDED ALONG THE NORTH, SOUTH AND WEST BOUNDARIES OF THE SITE
ONE SHADE TREE MUST BE INCLUDED FOR EVERY 20 PARKING SPACES	PHASE 1 NUMBER OF PARKING SPACES = 559 $559 / 20 = 27.9$ 28 SHADE TREES REQUIRED	30 EXISTING TREES TO REMAIN 38 NEW SHADE TREES PROVIDED
	PHASE 2 NUMBER OF PARKING SPACES = 340 $340 / 20 = 17$ 17 SHADE TREES REQUIRED	22 NEW SHADE TREES PROVIDED

**PARKING LOT ALTERATION
AND INTERIOR BUILDOUT**
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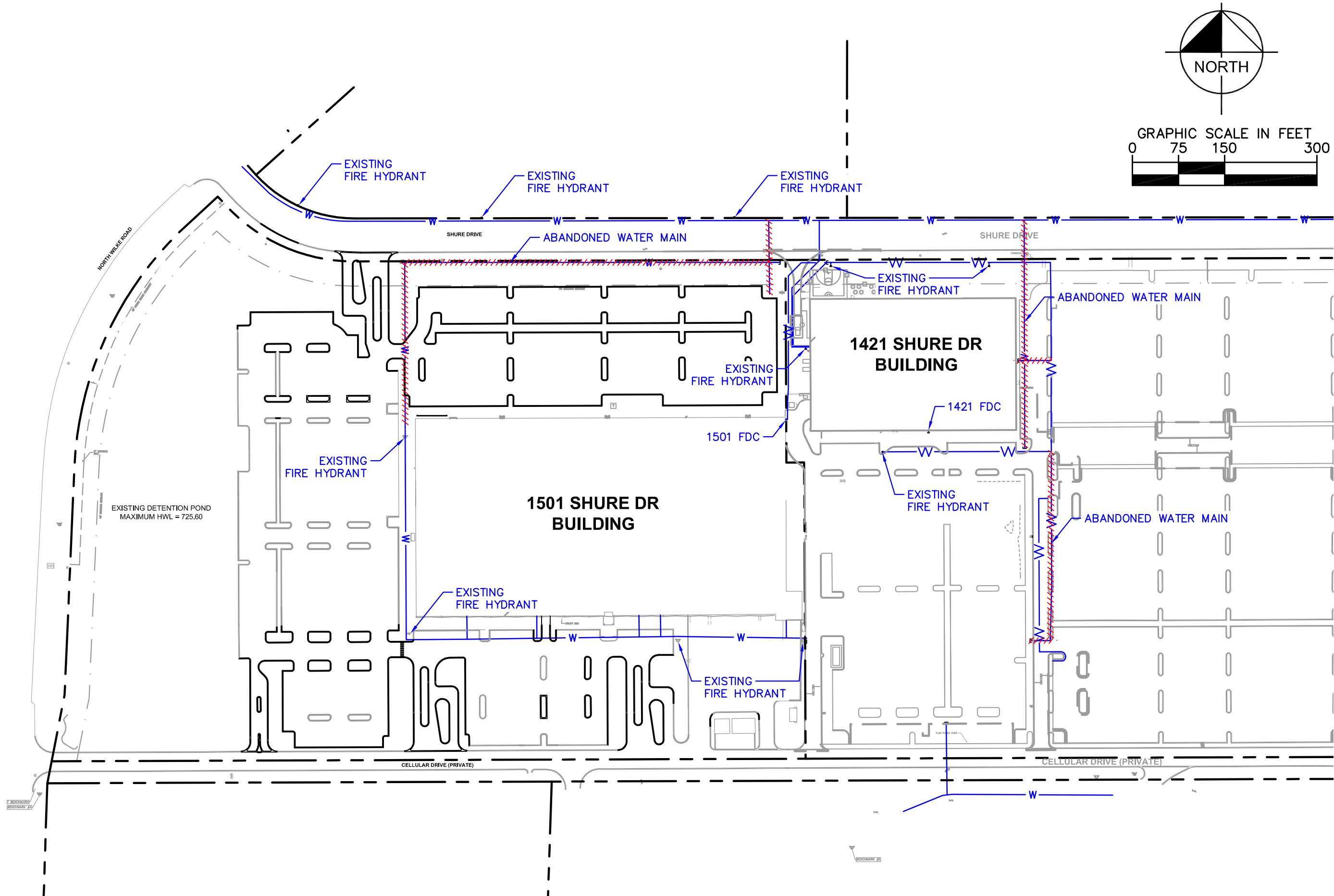
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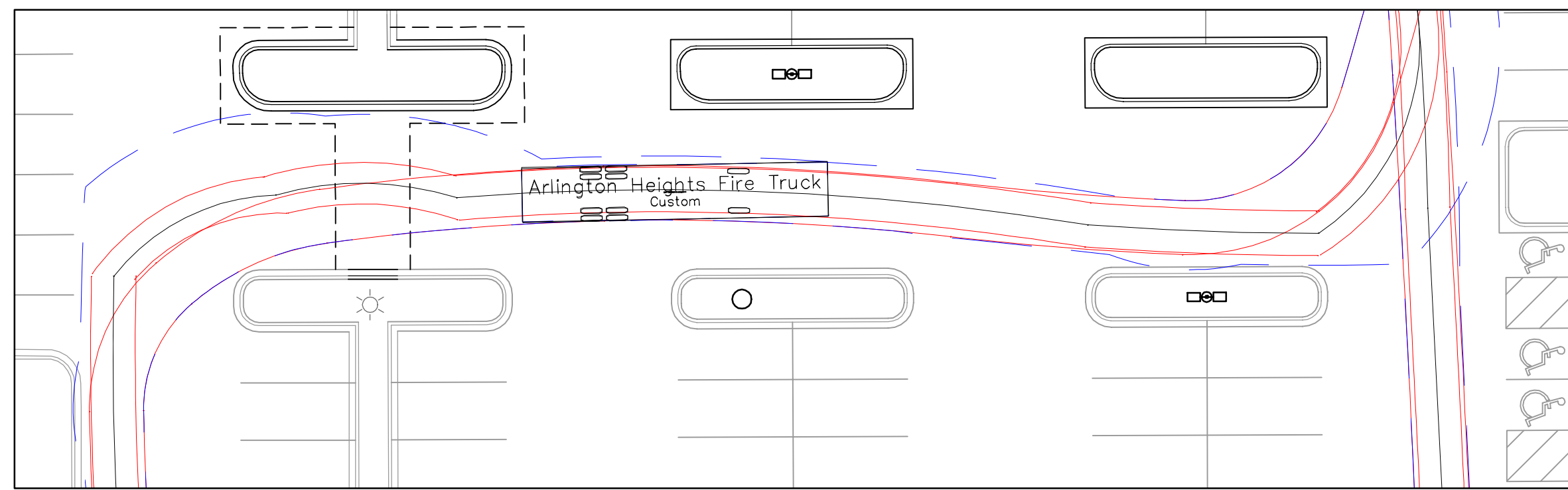
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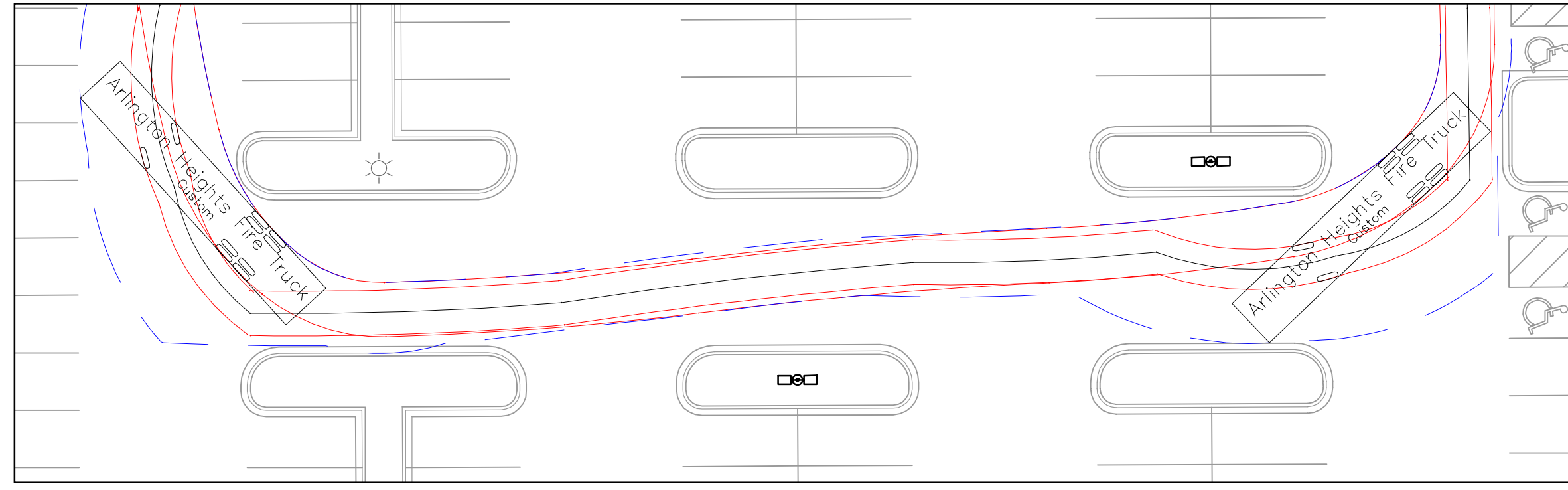
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Plotted By: August 5, 2019 3:11:08 PM H:\VCS_LIN\158972001_Design\158972001_Arlington Heights\158972001_VCS\158972001_VCS.dwg
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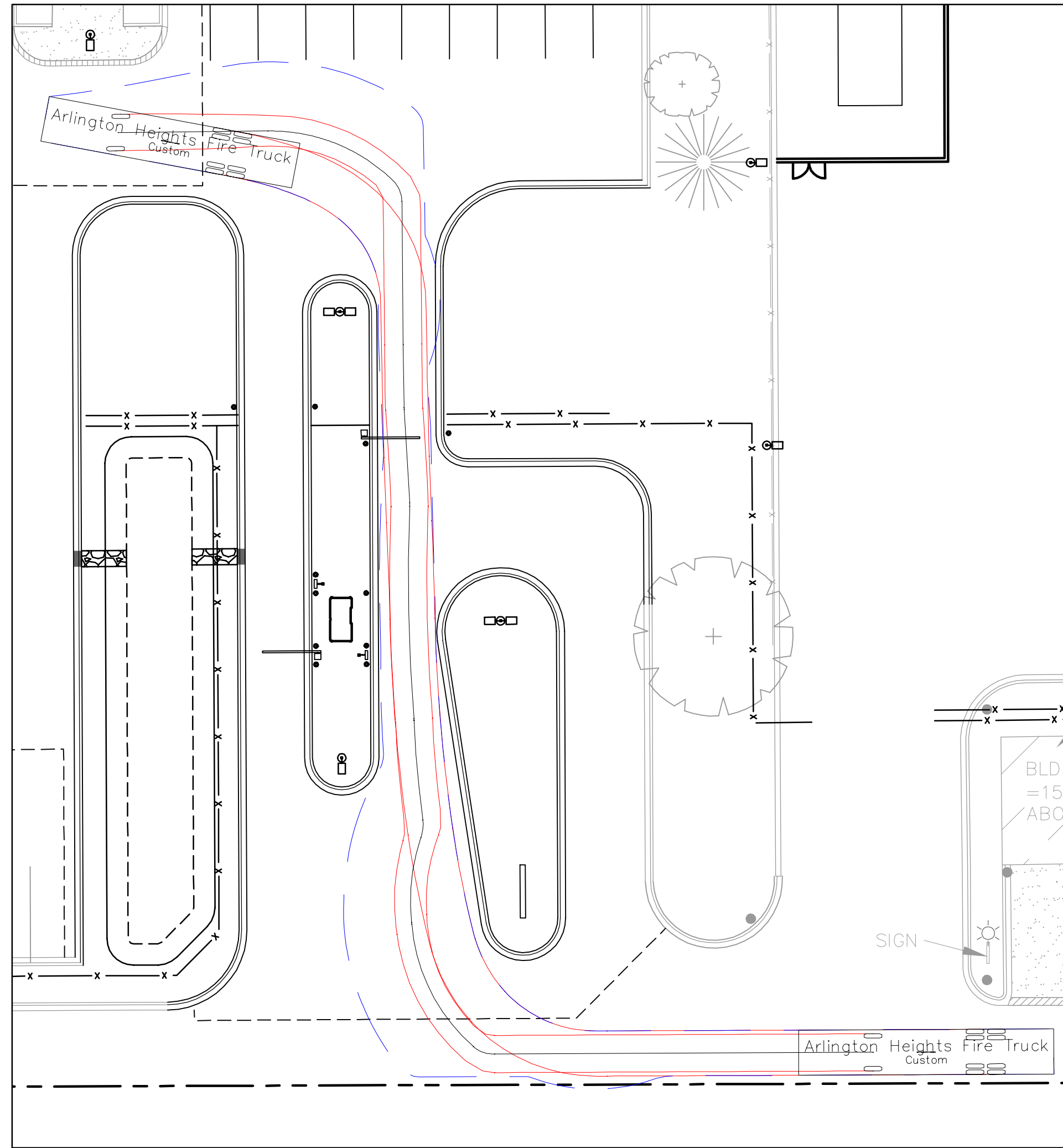




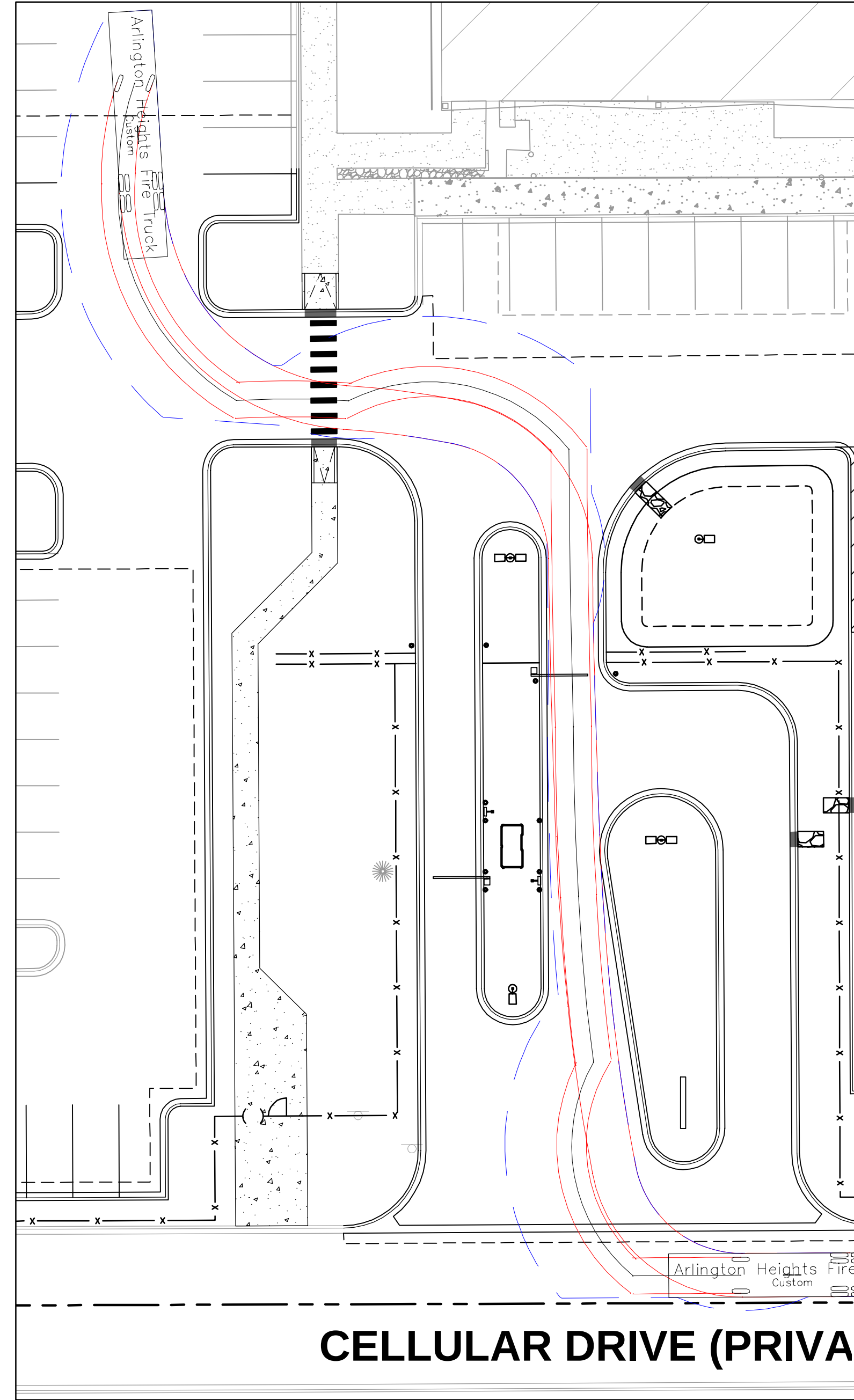
DETAIL 4
1" = 20'



DETAIL 5
1" = 20'

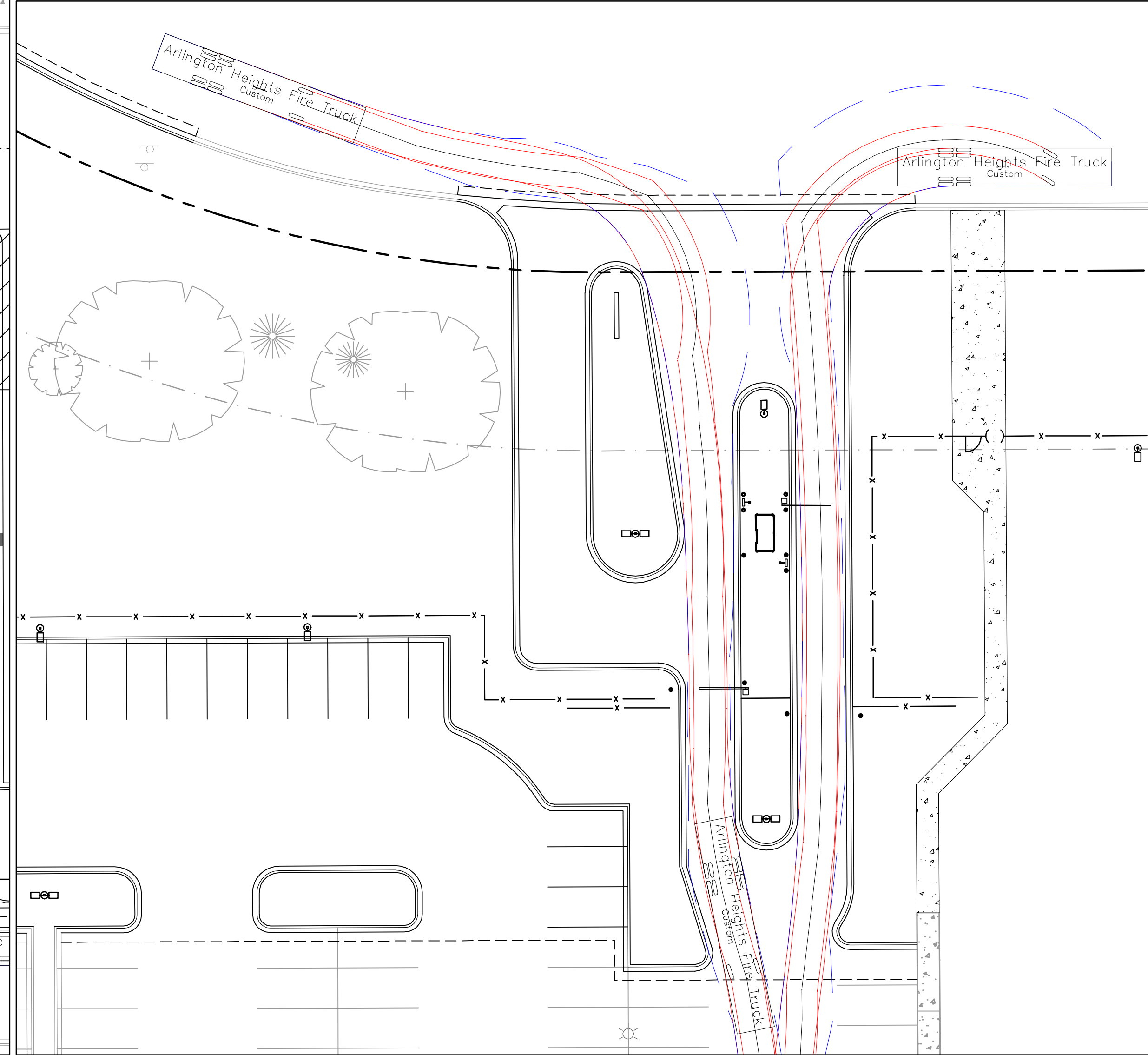


DETAIL 1

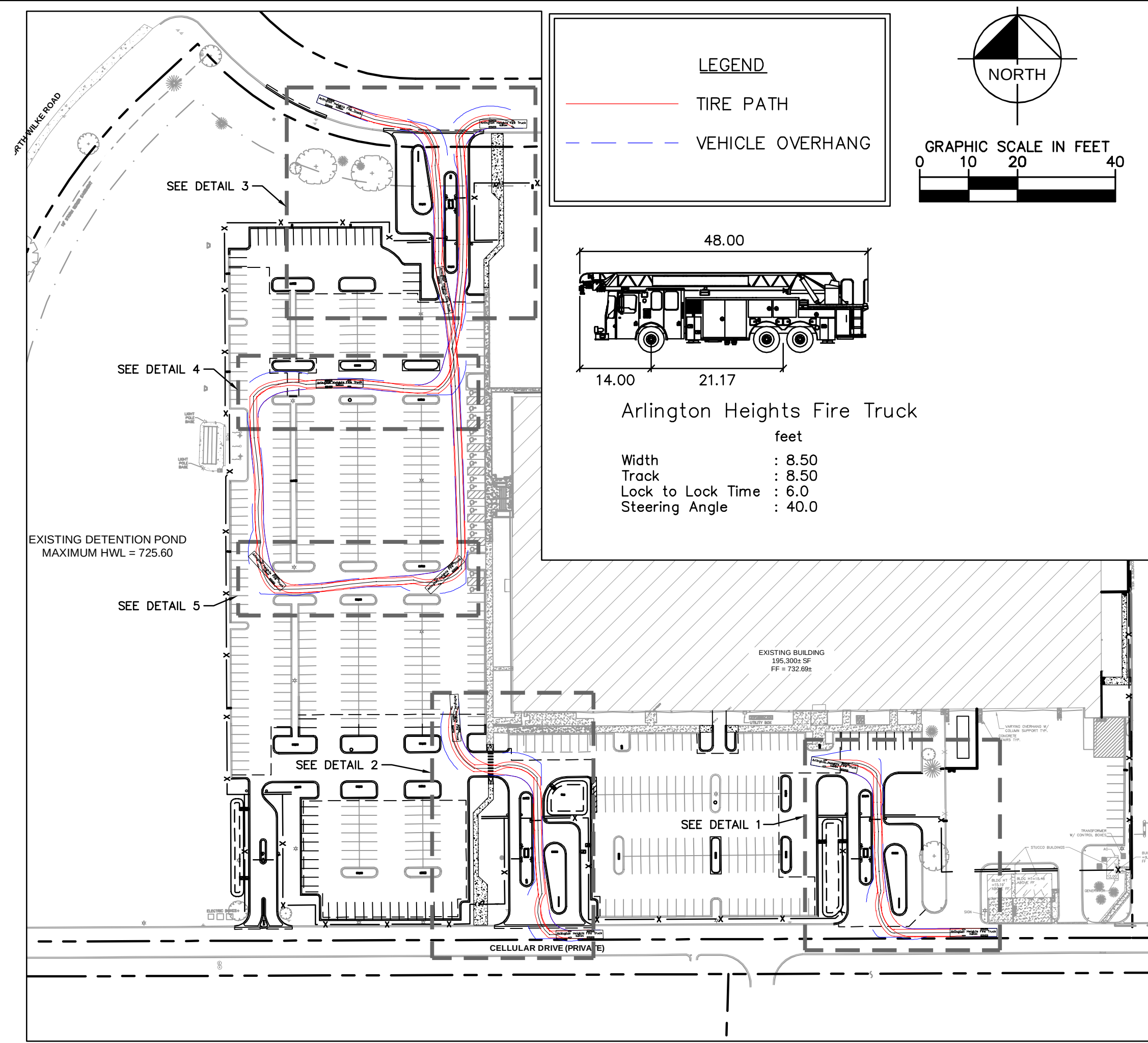


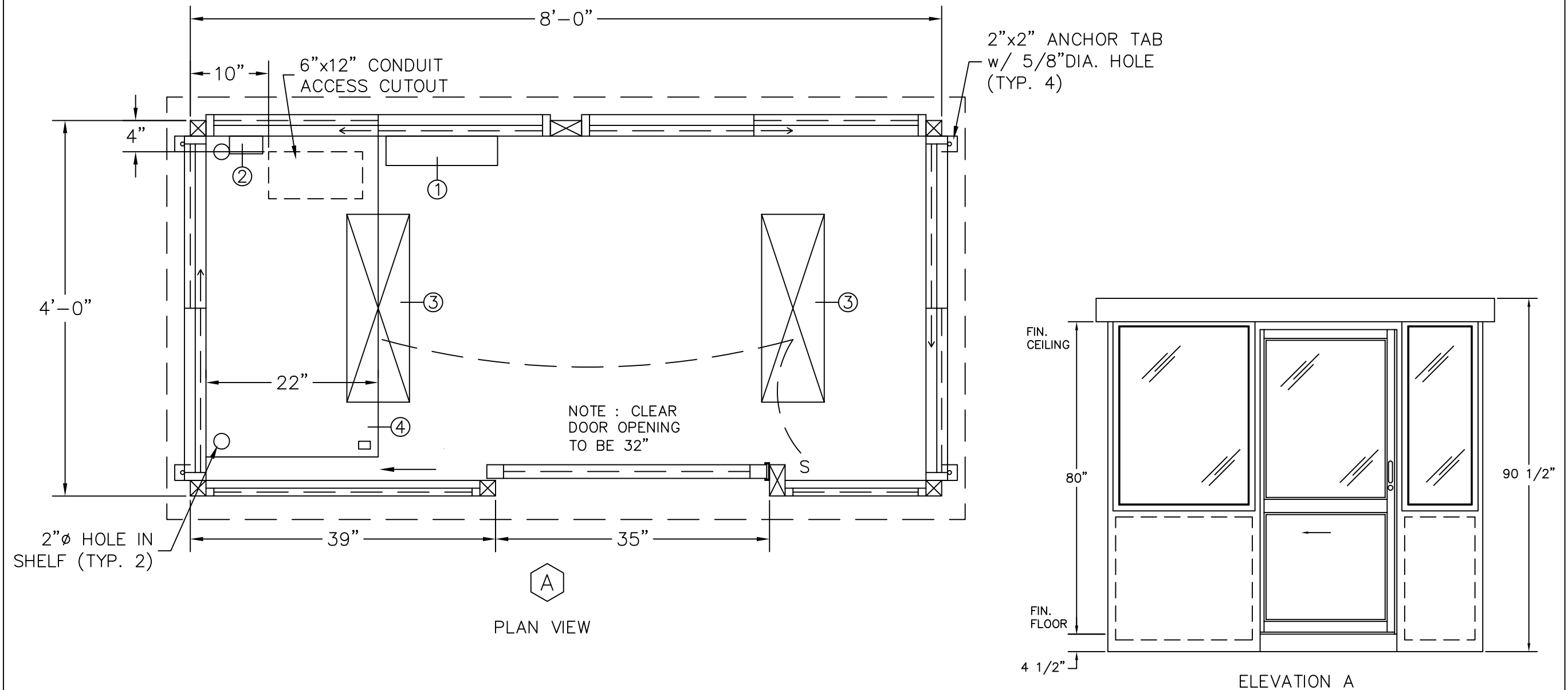
DETAIL 2

1" = 20'



DETAIL 3

[illegible]



DURASTEEL MODEL PC-84SL BUILDING NOTES :

- ①— 100 AMP SINGLE PHASE 12 CIRCUIT LOAD CENTER W/MAIN BKR.
- ②— 115V DUPLEX, 230V OUTLET
- ③— 34 WATT SURFACE MTD. FLUORESCENT LIGHT W/SWITCH
- ④— 22" DEEP SHELF
- * 3" OVERHANG EXTERIOR MEMBRANE ROOF
- * 1- HEAVY DUTY ALUMINUM DOOR w/HALF GLASS AND ADA HANDLES
- * GLAZING- CLEAR TEMPERED GLASS
- * INSULATION- WALLS R-9, CEILING R-17
- * ALUMINUM TREAD PLATE FLOOR
- * BUILDING PAINTED- ADVISE COLOR
- * UL LABEL FOR COMPLIANCE WITH THE N.E.C.

NOTES:

- SLIDING DOORS AVAILABLE BOTH SIDES- SUFFIX DSL
- CASHIER WINDOW AVAILABLE IN DOOR- SUFFIX CSL
- SWING DOOR AVAILABLE IN REAR OF BOOTH- SUFFIX SW

PORTA-KING BUILDING SYSTEMS

4133 SHORELINE DRIVE EARTH CITY, MISSOURI 63045
1-800-456-5464 FAX 314-291-2857 www.portaking.com

TITLE

DURASTEEL MODEL PC-84SL

DESCRIPTION

The Impact Elite family of wall luminaires is the ideal complement to site design. Incorporating modular LightSquares technology, the Impact Elite luminaire provides outstanding uniformity and energy-conscious illumination. Combined with a rugged construction, the Impact Elite luminaire is the ideal facade and security luminaire for zones surrounding schools, office complexes, apartments and recreational facilities. UL/cUL listed for wet locations.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Heavy-wall, die-cast aluminum housing and removable hinged door frame for precise tolerance control and repeatability. Hinged door inset for clean mating with housing surface and secured via two captive fasteners. Optional tamper-resistant Torx™ head fasteners offer vandal resistant access to the electrical chamber.

Optics

Choice of 10 patented, high-efficiency AccuLED Optics™ distributions. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optics technology creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K, 5000K and 5700K CCT.

Electrical

LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation, greater than 0.9 power factor, less than 20% harmonic distortion, and are suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightSquares feature an IP66 enclosure rating and maintain greater than 90% lumen maintenance at 60,000 hours per IESNA TM-21. Emergency egress options for -20°C ambient environments and occupancy sensor available.

Mounting

Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Impact Elite "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws concealed but accessible from bottom of fixture.

Finish

Cast components finished in a five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

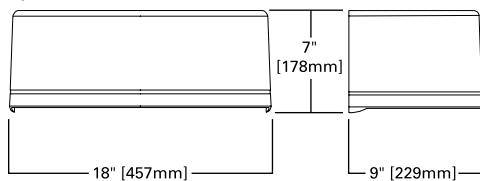
Warranty

Five-year warranty.

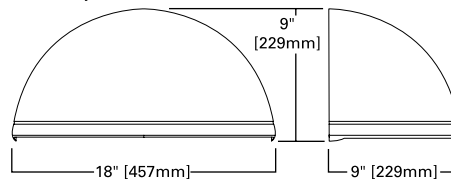


DIMENSIONS

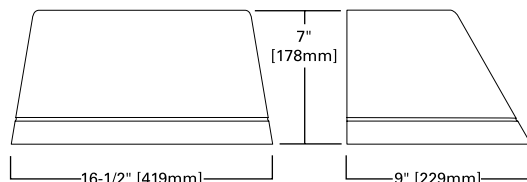
Cylinder



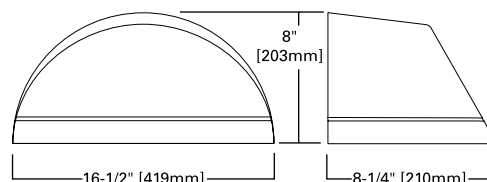
Quarter Sphere



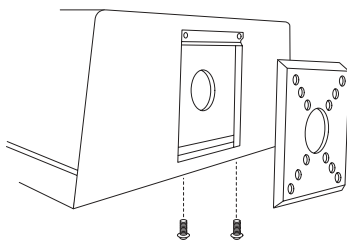
Trapezoid



Wedge



HOO-K-N-LOCK MOUNTING



ISC/ISS/IST/ISW IMPACT ELITE LED

1 LightSquare
Solid State LED

WALL MOUNT LUMINAIRE

CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
IP66 LightSquare
DesignLights Consortium® Qualified*
ISO 9001

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz,
480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating

SHIPPING DATA

Approximate Net Weight:
18 lbs. (8 kgs.)

POWER AND LUMENS

1 LightSquare (AF)		Cylinder (ISC) and Quarter Sphere (ISS)						Trapezoid (IST) and Wedge (ISW)					
Drive Current (mA)		350	450	600	800	1000	1200	350	450	600	800	1000	1200
Power (Watts)	120-277V	20.3	25.5	33.4	43.9	55.1	66.2	20.3	25.5	33.4	43.9	55.1	66.2
	Current (A)												
Current (A)	120V	0.17	0.22	0.29	0.38	0.48	0.56	0.17	0.22	0.29	0.38	0.48	0.56
	277V	0.09	0.10	0.13	0.17	0.21	0.25	0.09	0.10	0.13	0.17	0.21	0.25
Power (Watts)	347V or 480V	23.3	28.7	36.6	49.5	60.7	70.1	23.3	28.7	36.6	49.5	60.7	70.1
	Current (A)												
Current (A)	347V	0.07	0.08	0.11	0.15	0.18	0.21	0.07	0.08	0.11	0.15	0.18	0.21
	480V	0.05	0.06	0.08	0.11	0.13	0.16	0.05	0.06	0.08	0.11	0.13	0.16
Optics													
T2	Lumens	2,390	3,001	3,915	4,901	5,793	6,592	2,555	3,208	4,185	5,239	6,193	7,047
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2
T3	Lumens	2,440	3,063	3,996	5,001	5,912	6,728	2,561	3,216	4,195	5,251	6,207	7,063
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2
T4FT	Lumens	2,414	3,031	3,955	4,950	5,851	6,658	2,589	3,250	4,240	5,308	6,274	7,139
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2	B1-U1-G2
T4W	Lumens	2,441	3,065	3,998	5,004	5,916	6,732	2,557	3,211	4,189	5,244	6,198	7,053
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2	B1-U1-G2
SL2	Lumens	2,309	2,899	3,782	4,734	5,596	6,368	2,469	3,100	4,044	5,062	5,983	6,809
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2
SL3	Lumens	2,271	2,851	3,719	4,656	5,503	6,262	2,419	3,038	3,963	4,961	5,864	6,673
	BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B0-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2
SL4	Lumens	2,158	2,710	3,535	4,425	5,230	5,951	2,286	2,870	3,744	4,686	5,539	6,303
	BUG Rating	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B0-U1-G1	B0-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2	B1-U1-G2
SLL/SLR	Lumens	2,036	2,555	3,334	4,174	4,934	5,614	2,204	2,767	3,610	4,519	5,341	6,078
	BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2	B1-U1-G2	B1-U1-G2
RW	Lumens	2,435	3,057	3,987	4,992	5,900	6,715	2,521	3,166	4,130	5,170	6,111	6,954
	BUG Rating	B1-U0-G0	B2-U0-G0	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B1-U1-G1	B2-U1-G1	B2-U1-G1	B2-U1-G1	B2-U1-G1	B3-U1-G1

LUMEN MAINTENANCE

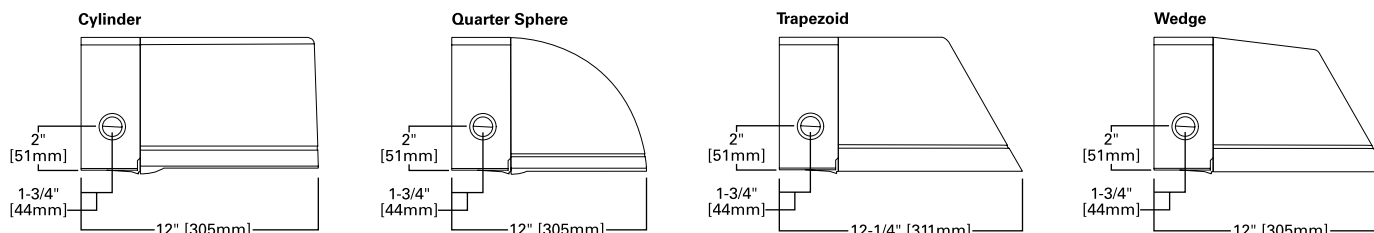
Current	Ambient Temperature	25000 Hours*	50000 Hours*	60000 Hours*	100000 Hours*	Theoretical L70 (Hours)*
Up to 1.2A	Up to 40°C	>95%	>91%	>90%	>83%	20,4000

*Data calculated based on TM-21 calculator.

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99

THRUWAY BACK BOX



CONTROL OPTIONS

0-10V

This fixture is offered standard with 0-10V dimming driver.

Photocontrol (PC1, PC2 and PER7)

Optional button-type photocontrol provides a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels.

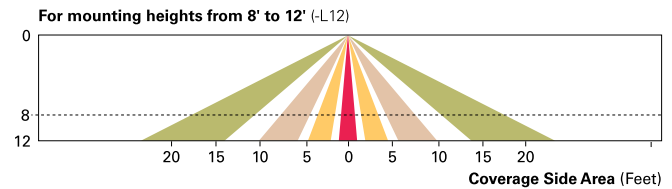
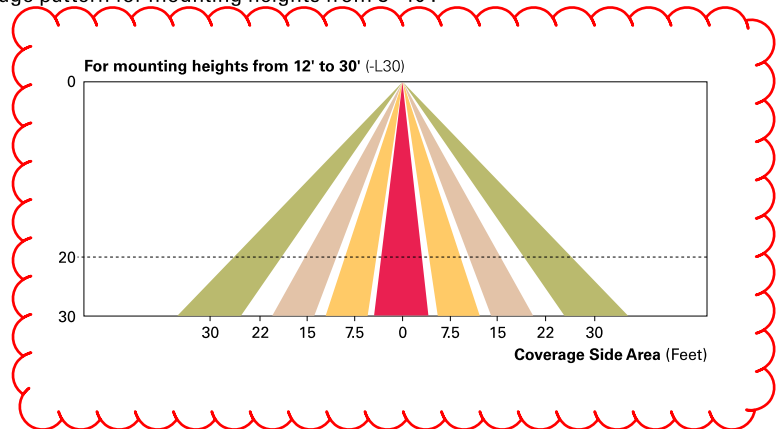
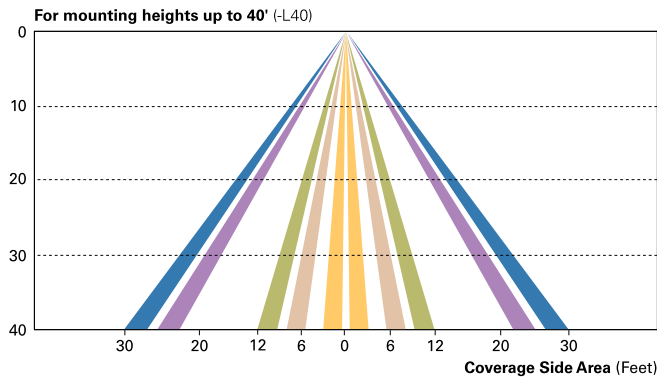
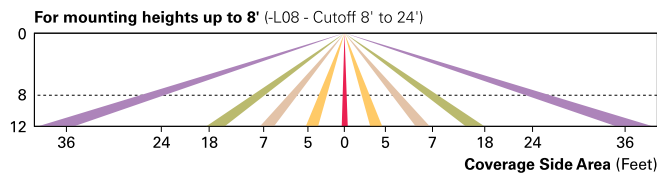
After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a “dusk-to-dawn” period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (MS/DIM-LXX)

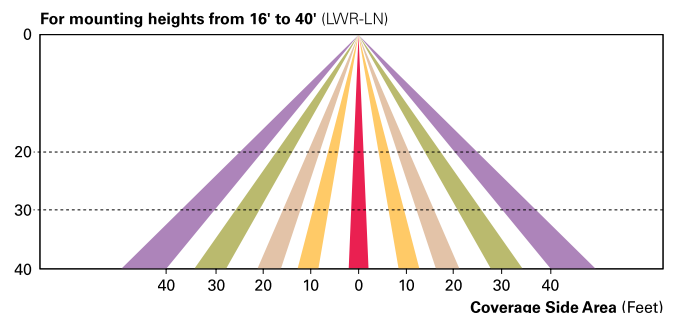
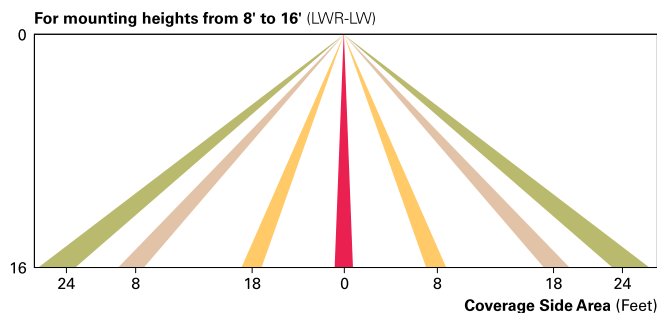
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for “dusk-to-dawn” control or daylight harvesting -- the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.



LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



WaveLinX Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinX to control outdoor area, site and flood lighting. WaveLinX controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

ORDERING INFORMATION

Sample Number: ISC-AF-1200-LED-E1-T3-BZ

Product Family ¹	Light Engine	Drive Current	Lamp Type	Voltage	Distribution	Color
ISC =Impact Elite LED Small Cylinder ISS =Impact Elite LED Small Quarter Sphere IST =Impact Elite LED Small Trapezoid ISW =Impact Elite LED Small Wedge	AF =(1) LightSquare	350 =Drive Current Factory Set to 350mA 450 =Drive Current Factory Set to 450mA 600 =Drive Current Factory Set to 600mA 800 =Drive Current Factory Set to 800mA 1000 =Drive Current Factory Set to 1000mA 1200 =Drive Current Factory Set to 1200mA ²	LED =Solid State Light Emitting Diodes	E1 =Electronic (120-277V) 347 =347V ² 480 =480V ^{2,3}	T2 =Type II T3 =Type III T4FT =Type IV Forward Throw T4W =Type IV Wide SL2 =Type II w/Spill Control SL3 =Type III w/Spill Control SL4 =Type IV w/Spill Control SLL =90° Spill Light Eliminator Left SLR =90° Spill Light Eliminator Right RW =Rectangular Wide Type I	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White
Options (Add as Suffix)				Accessories (Order Separately) ¹⁷		
7027 =70 CRI / 2700K CCT ⁴ 7030 =70 CRI / 3000K CCT ⁴ 7050 =70 CRI / 5000K CCT ⁴ 7060 =70 CRI / 5700K CCT ⁴ 8030 =80 CRI / 3000K CCT ⁴ PER7 =NEMA 7-PIN Twistlock Photocontrol Receptacle ^{2,5,6} P =Button Type Photocontrol (Available in 120, 208, 240 or 277V. Must Specify Voltage) ^{2,6} HA =50°C High Ambient ⁷ AHD145 =After Hours Dim, 5 Hours, 50% ⁸ AHD245 =After Hours Dim, 6 Hours, 50% ⁸ AHD255 =After Hours Dim, 7 Hours, 50% ⁸ AHD355 =After Hours Dim, 8 Hours, 50% ⁸ MS/DIM-LXX =Motion Sensor for Dimming Operation ^{9,10,11} LWR-LW =LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ^{6,11,12} LWR-LN =LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ^{6,11,12} BBB =Battery Pack with Back Box (Specify 120V or 277V) ¹³ CWB =Cold Weather Battery Pack with Back Box (Specify 120V or 277V) ¹⁴ LCF =LightSquare Trim Plate Matches Housing Finish HSS =Factory Installed House Side Shield ¹⁵ ULG =Uplight Glow ^{5,6} TR =Tamper Resistant Hardware X =Driver Surge Protection (6kV) Only ¹⁶				MA1253 =10kV Circuit Module Replacement MA1254-XX =Thruway Back Box - Impact Elite Trapezoid MA1255-XX =Thruway Back Box - Impact Elite Cylinder MA1256-XX =Thruway Back Box - Impact Elite Quarter Sphere MA1257-XX =Thruway Back Box - Impact Elite Wedge FSIR-100 =Wireless Configuration Tool for Occupancy Sensor WOLC-7P-10A =WaveLinX Outdoor Control Module (7-pin) ¹⁸		

NOTES:

- Standard 4000K CCT and greater than 70 CRI.
- Not available with ULG option.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
- Extended lead times apply.
- Not available with ISS or ISW.
- Not available with LWR-XX or MS/DIM-LXX.
- Suitable for 50°C provided no options other than motion sensor are included and driver output set to 1.A or less.
- Requires the use of P photocontrol or the PER7 photocontrol receptacle with photocontrol accessory. Not available with 350mA drive current. See After Hours Dim supplemental guide for additional information.
- Specify lens in place of XX. Round to next highest option based on mounting height. Available options are 08, 20 and 40W.
- The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
- Includes integral photocell.
- LumaWatt Pro wireless sensors are factory installed and requiring network components in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information.
- LED standard integral battery pack is rated for minimum operating temperature 32°F (0°C). Operates downlight for 90-minutes.
- LED cold weather integral battery pack is rated for minimum operating temperature -4°F (-20°C). Operates downlight for 90-minutes.
- Only for use with SL2, SL3 and SL4 distributions. The LightSquare trim plate is painted black when the HSS option is selected.
- Removes additional surge module.
- Specify color in place of XX.
- Requires 7-pin NEMA twistlock photocontrol receptacle. The WOLC-7 cannot be used in conjunction with additional sensors or controls.

DESCRIPTION

The Impact Elite family of wall luminaires is the ideal complement to site design. Incorporating modular LightSquares technology, the Impact Elite luminaire provides outstanding uniformity and energy-conscious illumination. Combined with a rugged construction, the Impact Elite luminaire is the ideal facade and security luminaire for zones surrounding schools, office complexes, apartments and recreational facilities. UL/cUL listed for wet locations.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Heavy-wall, die-cast aluminum housing and removable hinged door frame for precise tolerance control and repeatability. Hinged door inset for clean mating with housing surface and secured via two captive fasteners. Optional tamper-resistant Torx™ head fasteners offer vandal resistant access to the electrical chamber.

Optics

Choice of 10 patented, high-efficiency AccuLED Optics™ distributions. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optics technology creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K, 5000K and 5700K CCT.

Electrical

LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation, greater than 0.9 power factor, less than 20% harmonic distortion, and are suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightSquares feature an IP66 enclosure rating and maintain greater than 90% lumen maintenance at 60,000 hours per IESNA TM-21. Emergency egress options for -20°C ambient environments and occupancy sensor available.

Mounting

Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Impact Elite "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws concealed but accessible from bottom of fixture.

Finish

Cast components finished in a five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

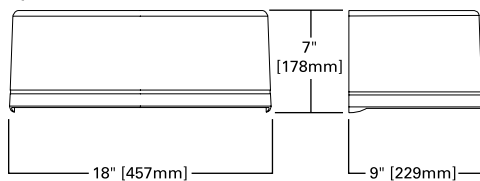
Warranty

Five-year warranty.

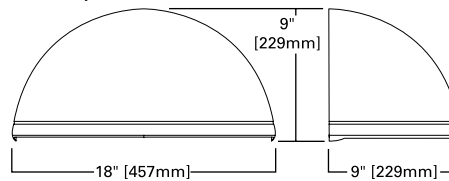


DIMENSIONS

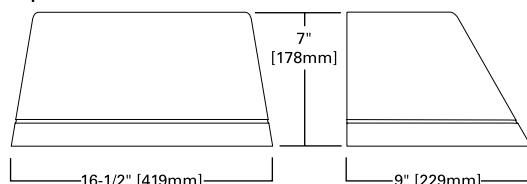
Cylinder



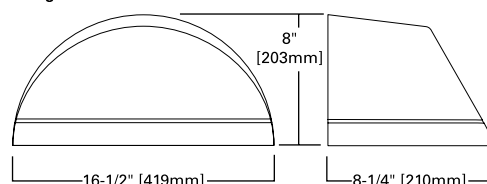
Quarter Sphere



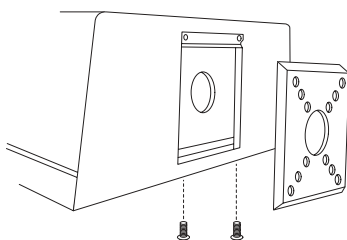
Trapezoid



Wedge



HOO-K-N-LOCK MOUNTING



ISC/ISS/IST/ISW IMPACT ELITE LED

1 LightSquare
Solid State LED

WALL MOUNT LUMINAIRE

CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
IP66 LightSquare
DesignLights Consortium® Qualified*
ISO 9001

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz,
480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating

SHIPPING DATA

Approximate Net Weight:
18 lbs. (8 kgs.)

POWER AND LUMENS

1 LightSquare (AF)		Cylinder (ISC) and Quarter Sphere (ISS)						Trapezoid (IST) and Wedge (ISW)					
Drive Current (mA)		350	450	600	800	1000	1200	350	450	600	800	1000	1200
Power (Watts)	120-277V	20.3	25.5	33.4	43.9	55.1	66.2	20.3	25.5	33.4	43.9	55.1	66.2
	Current (A)												
Current (A)	120V	0.17	0.22	0.29	0.38	0.48	0.56	0.17	0.22	0.29	0.38	0.48	0.56
	277V	0.09	0.10	0.13	0.17	0.21	0.25	0.09	0.10	0.13	0.17	0.21	0.25
Power (Watts)	347V or 480V	23.3	28.7	36.6	49.5	60.7	70.1	23.3	28.7	36.6	49.5	60.7	70.1
	Current (A)												
Current (A)	347V	0.07	0.08	0.11	0.15	0.18	0.21	0.07	0.08	0.11	0.15	0.18	0.21
	480V	0.05	0.06	0.08	0.11	0.13	0.16	0.05	0.06	0.08	0.11	0.13	0.16
Optics													
T2	Lumens	2,390	3,001	3,915	4,901	5,793	6,592	2,555	3,208	4,185	5,239	6,193	7,047
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2
T3	Lumens	2,440	3,063	3,996	5,001	5,912	6,728	2,561	3,216	4,195	5,251	6,207	7,063
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2
T4FT	Lumens	2,414	3,031	3,955	4,950	5,851	6,658	2,589	3,250	4,240	5,308	6,274	7,139
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2	B1-U1-G2
T4W	Lumens	2,441	3,065	3,998	5,004	5,916	6,732	2,557	3,211	4,189	5,244	6,198	7,053
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2	B1-U1-G2
SL2	Lumens	2,309	2,899	3,782	4,734	5,596	6,368	2,469	3,100	4,044	5,062	5,983	6,809
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2
SL3	Lumens	2,271	2,851	3,719	4,656	5,503	6,262	2,419	3,038	3,963	4,961	5,864	6,673
	BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B0-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2
SL4	Lumens	2,158	2,710	3,535	4,425	5,230	5,951	2,286	2,870	3,744	4,686	5,539	6,303
	BUG Rating	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B0-U1-G1	B0-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2	B1-U1-G2
SLL/SLR	Lumens	2,036	2,555	3,334	4,174	4,934	5,614	2,204	2,767	3,610	4,519	5,341	6,078
	BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2	B1-U1-G2	B1-U1-G2
RW	Lumens	2,435	3,057	3,987	4,992	5,900	6,715	2,521	3,166	4,130	5,170	6,111	6,954
	BUG Rating	B1-U0-G0	B2-U0-G0	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B1-U1-G1	B2-U1-G1	B2-U1-G1	B2-U1-G1	B2-U1-G1	B3-U1-G1

LUMEN MAINTENANCE

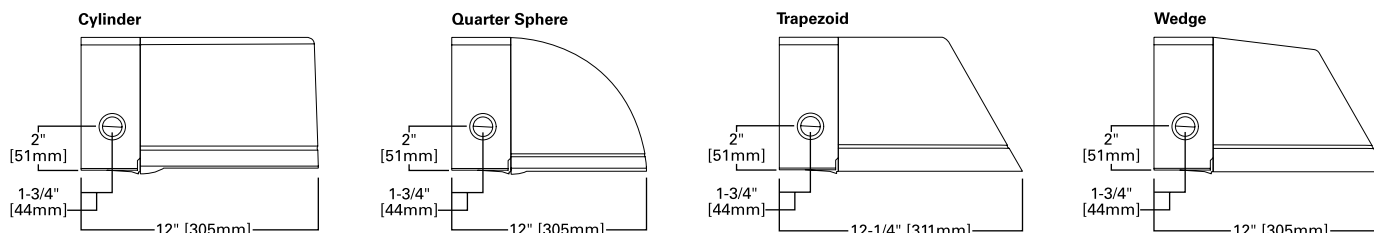
Current	Ambient Temperature	25000 Hours*	50000 Hours*	60000 Hours*	100000 Hours*	Theoretical L70 (Hours)*
Up to 1.2A	Up to 40°C	>95%	>91%	>90%	>83%	20,4000

*Data calculated based on TM-21 calculator.

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99

THRUWAY BACK BOX



CONTROL OPTIONS

0-10V

This fixture is offered standard with 0-10V dimming driver.

Photocontrol (PC1, PC2 and PER7)

Optional button-type photocontrol provides a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels.

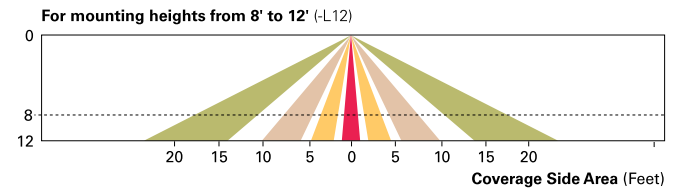
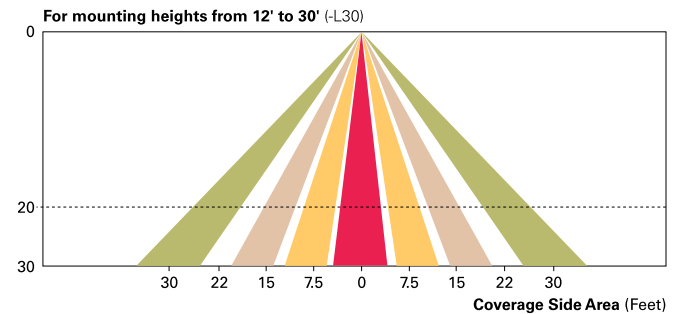
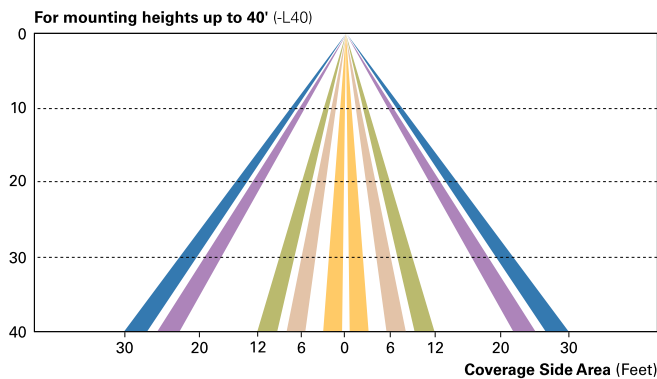
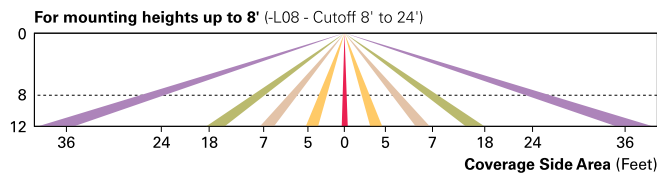
After Hours Dim (AHD)

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Dimming Occupancy Sensor (MS/DIM-LXX)

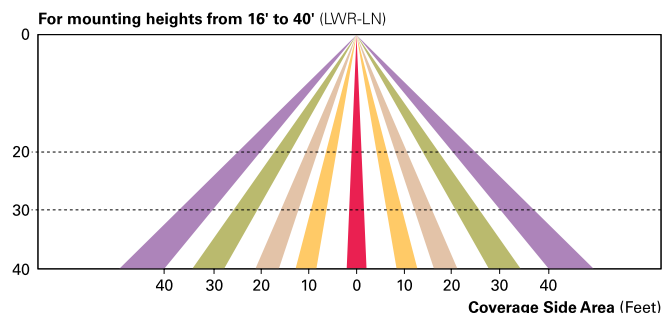
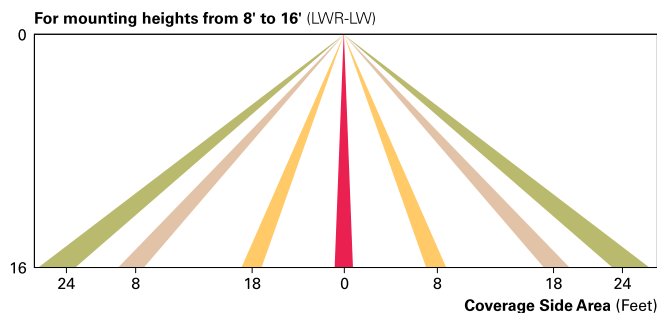
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for “dusk-to-dawn” control or daylight harvesting -- the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.



LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



WaveLinX Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinX to control outdoor area, site and flood lighting. WaveLinX controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

ORDERING INFORMATION

Sample Number: ISC-AF-1200-LED-E1-T3-BZ

Product Family ¹	Light Engine	Drive Current	Lamp Type	Voltage	Distribution	Color
ISC =Impact Elite LED Small Cylinder ISS =Impact Elite LED Small Quarter Sphere IST =Impact Elite LED Small Trapezoid ISW =Impact Elite LED Small Wedge	AF =(1) LightSquare	350 =Drive Current Factory Set to 350mA 450 =Drive Current Factory Set to 450mA 600 =Drive Current Factory Set to 600mA 800 =Drive Current Factory Set to 800mA 1000 =Drive Current Factory Set to 1000mA 1200 =Drive Current Factory Set to 1200mA ²	LED =Solid State Light Emitting Diodes	E1 =Electronic (120-277V) 347 =347V ² 480 =480V ^{2,3}	T2 =Type II T3 =Type III T4FT =Type IV Forward Throw T4W =Type IV Wide SL2 =Type II w/Spill Control SL3 =Type III w/Spill Control SL4 =Type IV w/Spill Control SLL =90° Spill Light Eliminator Left SLR =90° Spill Light Eliminator Right RW =Rectangular Wide Type I	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White
Options (Add as Suffix)				Accessories (Order Separately) ¹⁷		
7027 =70 CRI / 2700K CCT ⁴ 7030 =70 CRI / 3000K CCT ⁴ 7050 =70 CRI / 5000K CCT ⁴ 7060 =70 CRI / 5700K CCT ⁴ 8030 =80 CRI / 3000K CCT ⁴ PER7 =NEMA 7-PIN Twistlock Photocontrol Receptacle ^{2,5,6} P =Button Type Photocontrol (Available in 120, 208, 240 or 277V. Must Specify Voltage) ^{2,6} HA =50°C High Ambient ⁷ AHD145 =After Hours Dim, 5 Hours, 50% ⁸ AHD245 =After Hours Dim, 6 Hours, 50% ⁸ AHD255 =After Hours Dim, 7 Hours, 50% ⁸ AHD355 =After Hours Dim, 8 Hours, 50% ⁸ MS/DIM-LXX =Motion Sensor for Dimming Operation ^{9,10,11} LWR-LW =LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ^{6,11,12} LWR-LN =LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ^{6,11,12} BBB =Battery Pack with Back Box (Specify 120V or 277V) ¹³ CWB =Cold Weather Battery Pack with Back Box (Specify 120V or 277V) ¹⁴ LCF =LightSquare Trim Plate Matches Housing Finish HSS =Factory Installed House Side Shield ¹⁵ ULG =Uplight Glow ^{5,6} TR =Tamper Resistant Hardware X =Driver Surge Protection (6kV) Only ¹⁶				MA1253 =10kV Circuit Module Replacement MA1254-XX =Thruway Back Box - Impact Elite Trapezoid MA1255-XX =Thruway Back Box - Impact Elite Cylinder MA1256-XX =Thruway Back Box - Impact Elite Quarter Sphere MA1257-XX =Thruway Back Box - Impact Elite Wedge FSIR-100 =Wireless Configuration Tool for Occupancy Sensor WOLC-7P-10A =WaveLinX Outdoor Control Module (7-pin) ¹⁸		

NOTES:

- Standard 4000K CCT and greater than 70 CRI.
- Not available with ULG option.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
- Extended lead times apply.
- Not available with ISS or ISW.
- Not available with LWR-XX or MS/DIM-LXX.
- Suitable for 50°C provided no options other than motion sensor are included and driver output set to 1.A or less.
- Requires the use of P photocontrol or the PER7 photocontrol receptacle with photocontrol accessory. Not available with 350mA drive current. See After Hours Dim supplemental guide for additional information.
- Specify lens in place of XX. Round to next highest option based on mounting height. Available options are 08, 20 and 40W.
- The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
- Includes integral photocell.
- LumaWatt Pro wireless sensors are factory installed and requiring network components in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information.
- LED standard integral battery pack is rated for minimum operating temperature 32°F (0°C). Operates downlight for 90-minutes.
- LED cold weather integral battery pack is rated for minimum operating temperature -4°F (-20°C). Operates downlight for 90-minutes.
- Only for use with SL2, SL3 and SL4 distributions. The LightSquare trim plate is painted black when the HSS option is selected.
- Removes additional surge module.
- Specify color in place of XX.
- Requires 7-pin NEMA twistlock photocontrol receptacle. The WOLC-7 cannot be used in conjunction with additional sensors or controls.



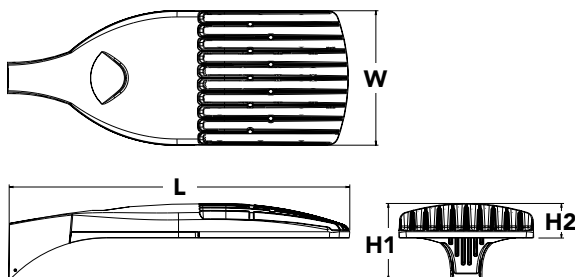
D-Series Size 1 LED Area Luminaire

d#series



Specifications

EPA:	1.01 ft ² (0.09 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)



Catalog

Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED							
Series	LEDs	Color temperature		Distribution		Voltage	Mounting
DSX1 LED	Forward optics		30K 3000 K	T1S Type I short	T5VS Type V very short	MVOLT ³	Shipped included
	P1 P4 P7	40K 4000 K	T2S Type II short	T5S Type V short			
	P2 P5 P8	50K 5000 K	T2M Type II medium	T5M Type V medium			
	P3 P6 P9		T3S Type III short	T5W Type V wide			
	Rotated optics			T3M Type III medium	BLC Backlight control ²	277 ⁴	SPUMBA Square pole universal mounting adaptor ⁶
	P10 ¹ P12 ¹		T4M Type IV medium	LCCO Left corner cutoff ²	347 ^{4,5}	RPUMBA Round pole universal mounting adaptor ⁶	
	P11 ¹ P13 ¹		TFTM Forward throw medium	RCCO Right corner cutoff ²	480 ^{4,5}	Shipped separately	
						KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁷	
Control options						Other options	Finish (required)
Shipped installed			PIR	High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc ^{15,16}		Shipped installed	DDBXD Dark bronze
NLTAIR2	nLight AIR generation 2 enabled ⁸		PIRHN	High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ^{15,16}		HS House-side shield ¹⁷	DBLXD Black
PIRHN	Network, high/low motion/ambient sensor ⁹		PIR1FC3V	High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{15,16}		SF Single fuse (120, 277, 347V) ⁴	DNAXD Natural aluminum
PER	NEMA twist-lock receptacle only (controls ordered separate) ¹⁰		PIRHN1FC3V	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{15,16}		DF Double fuse (208, 240, 480V) ⁴	DWHXD White
PER5	Five-pin receptacle only (controls ordered separate) ^{10,11}		FAO	Field adjustable output ¹⁴		L90 Left rotated optics ¹	DDBTXD Textured dark bronze
PER7	Seven-pin receptacle only (controls ordered separate) ^{10,11}					R90 Right rotated optics ¹	DBLBXD Textured black
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹²					Shipped separately	DNATXD Textured natural aluminum
DS	Dual switching ^{12,13,14}					BS Bird spikes ¹⁸	DWHGXD Textured white
						EGS External glare shield ¹⁸	



Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁹
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁹
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁹
DSHORT SBK U	Shorting cap ¹⁹
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 ¹⁷
DSX1HS 40C U	House-side shield for P6 and P7 ¹⁷
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 ¹⁷
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) ²⁰
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁶

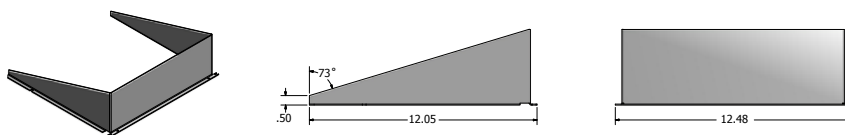
For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

- P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Not available in P1 or P10.
- Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTAR2. For more information on nLight Air 2 visit [this link](#).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting cap included.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- Requires (2) separately switched circuits with isolated neutral. See Outdoor Control Technical Guide for details.
- Reference Motion Sensor table on page 4.
- Reference controls options table on page 4 to see functionality.
- Not available with other dimming controls options
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
- For retrofit use only.

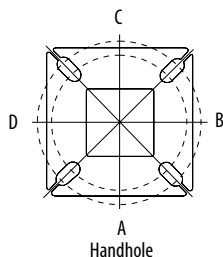
Options

EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION



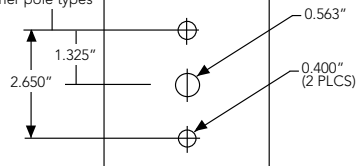
Tenon Mounting Slipfitter**

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
2-3/8"	SPA/RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
	SPUMBA	AS3-5 190	AS3-5 280	AS4-5 290	AS3-5 320	AS4-5 390	AS4-5 490
	RUPUMBA	AS3-5 190	AS3-5 280		AS3-5 320		
2-7/8"	SPA/RPA	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
	SPUMBA	AST25-190	AST25-280		AST25-320		
	RUPUMBA	AST25-190	AST25-280		AST25-320		
4"	SPA/RPA	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
	SPUMBA	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
	RUPUMBA	AST35-190	AST35-280		AST35-320		

Template #8

Top of Pole

1.75" for aluminum poles
2.75" for other pole types



Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

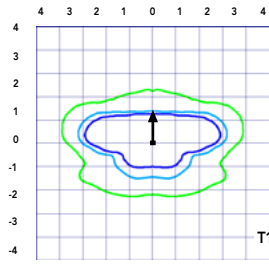
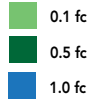
	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RUPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

Photometric Diagrams

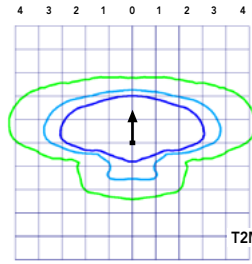
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

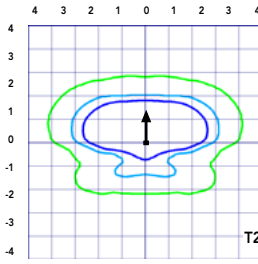
LEGEND



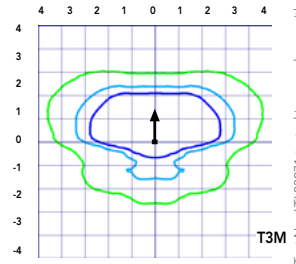
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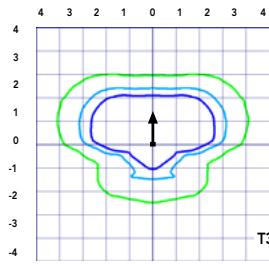
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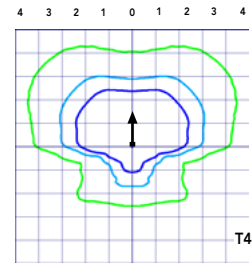
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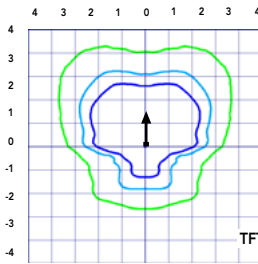
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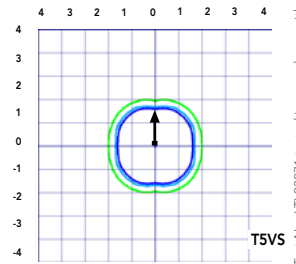
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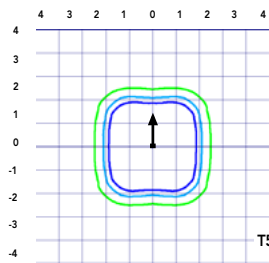
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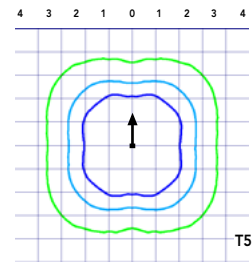
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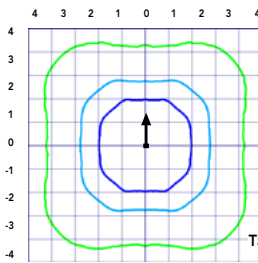
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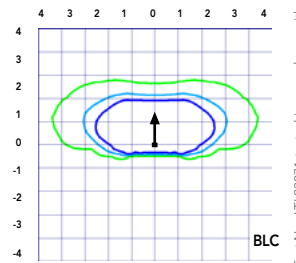
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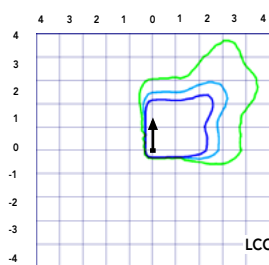
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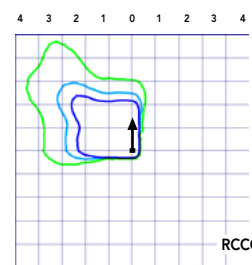
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Test No. LTL23271 tested in accordance with IESNA LM-79-08.



Test No. LTL23211 tested in accordance with IESNA LM-79-08.



Test No. LTL23164B tested in accordance with IESNA LM-79-08.

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*for use when motion sensor is used as dusk to dawn control.

Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FA0	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FA0 device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBOR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight AIR rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131
				TSVS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				TSS	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				TSM	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				TSW	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129
				T3S	8,021	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125
				T3M	8,263	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129
				T4M	8,083	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129
				TSVS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134
				TSS	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134
				TSM	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134
				TSW	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106
				LCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
30	1050	P3	102W	T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125
				TSVS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				TSS	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				TSM	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				TSW	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
				T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115
				TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117
				TSVS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122
				TSS	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122
				TSM	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122
				TSW	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
30	1400	P5	138W	T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
				T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116
				T2M	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116
				TSVS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				TSS	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				TSM	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				TSW	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1250	P6	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115
				T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118
				TSVS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123
				T5W	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
				T2S	19,206	3	0	3	105	20,690	3	0	3	113	20,952	3	0	3	114
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115
				T3S	18,696	3	0	3	102	20,141	3	0	3	110	20,396	3	0	4	111
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115
				TSVS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119
				T5S	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119
				T5M	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				T5W	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
60	1050	P8	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119
				TSVS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
60	1250	P9	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
				T2S	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116
				T3S	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113
				TFTM	25,602	3	0	4	106	27,580	3	0	4	114	27,929	3	0	4	116
				TSVS	26,626	5	0	1	110	28,684	5	0	1	119	29,047	5	0	1	121
				T5S	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				T5W	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71
				RCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	P10	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131
				T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				TSVS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				TSS	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				TSM	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				TSW	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	P11	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,461	4	0	4	120	17,733	4	0	4	129	17,957	4	0	4	131
				T2M	16,758	4	0	4	122	18,053	4	0	4	132	18,281	4	0	4	133
				T3S	16,205	4	0	4	118	17,457	4	0	4	127	17,678	4	0	4	129
				T3M	16,748	4	0	4	122	18,042	4	0	4	132	18,271	4	0	4	133
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				TSVS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				TSS	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				TSM	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				TSW	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	P12	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119
				T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				TSVS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				TSS	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				TSM	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	P13	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,254	5	0	5	109	27,205	5	0	5	118	27,550	5	0	5	119
				T2M	25,710	4	0	4	111	27,696	4	0	4	120	28,047	4	0	4	121
				T3S	24,862	5	0	5	108	26,783	5	0	5	116	27,122	5	0	5	117
				T3M	25,695	5	0	5	111	27,680	5	0	5	120	28,031	5	0	5	121
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				TSVS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				TSS	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				TSM	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				TSW	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a **shaded background**. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability¹
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a **shaded background**¹

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX1 LED area luminaire has a number of control options. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS

The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight AIR can be found [here](#).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product.

Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.





D-Series Size 1

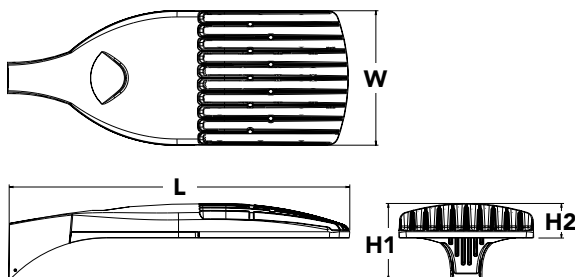
LED Area Luminaire

d#series



Specifications

EPA:	1.01 ft ² (0.09 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)



Catalog

Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.



A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED							
Series	LEDs	Color temperature		Distribution		Voltage	Mounting
DSX1 LED	Forward optics		30K 3000 K	T1S Type I short	T5VS Type V very short	MVOLT ³	Shipped included
	P1 P4 P7	40K 4000 K	T2S Type II short	T5S Type V short	120 ⁴		SPA Square pole mounting
	P2 P5 P8	50K 5000 K	T2M Type II medium	T5M Type V medium	208 ⁴		RPA Round pole mounting
	P3 P6 P9		T3S Type III short	T5W Type V wide	240 ⁴		WBA Wall bracket
	Rotated optics			T3M Type III medium	BLC Backlight control ²	277 ⁴	SPUMBA Square pole universal mounting adaptor ⁶
	P10 ¹ P12 ¹			T4M Type IV medium	LCCO Left corner cutoff ²	347 ^{4,5}	RPUMBA Round pole universal mounting adaptor ⁶
	P11 ¹ P13 ¹			TFTM Forward throw medium	RCCO Right corner cutoff ²	480 ^{4,5}	Shipped separately
							KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁷
Control options						Other options	Finish (required)
Shipped installed				PIR	High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc ^{15,16}	Shipped installed	DDBXD Dark bronze
NLTAIR2	nLight AIR generation 2 enabled ⁸			PIRHN	High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ^{15,16}	HS House-side shield ¹⁷	DBLXD Black
PIRHN	Network, high/low motion/ambient sensor ⁹			PIR1FC3V	High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{15,16}	SF Single fuse (120, 277, 347V) ⁴	DNAXD Natural aluminum
PER	NEMA twist-lock receptacle only (controls ordered separate) ¹⁰			PIRH1FC3V	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{15,16}	DF Double fuse (208, 240, 480V) ⁴	DWHXD White
PER5	Five-pin receptacle only (controls ordered separate) ^{10,11}			FAO	Field adjustable output ¹⁴	L90 Left rotated optics ¹	DDBTXD Textured dark bronze
PER7	Seven-pin receptacle only (controls ordered separate) ^{10,11}					R90 Right rotated optics ¹	DBLBXD Textured black
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹²					Shipped separately	DNATXD Textured natural aluminum
DS	Dual switching ^{12,13,14}					BS Bird spikes ¹⁸	DWHGXD Textured white
						EGS External glare shield ¹⁸	



Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁹
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁹
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁹
DSHORT SBK U	Shorting cap ¹⁹
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 ¹⁷
DSX1HS 40C U	House-side shield for P6 and P7 ¹⁷
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 ¹⁷
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) ²⁰
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁶

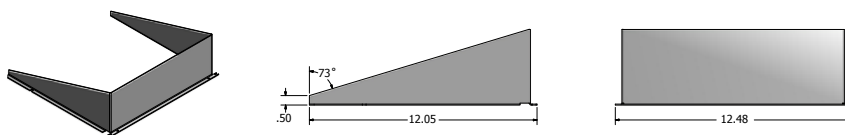
For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

- P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Not available in P1 or P10.
- Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTAIR2. For more information on nLight Air 2 visit [this link](#).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting cap included.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- Requires (2) separately switched circuits with isolated neutral. See Outdoor Control Technical Guide for details.
- Reference Motion Sensor table on page 4.
- Reference controls options table on page 4 to see functionality.
- Not available with other dimming controls options
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
- For retrofit use only.

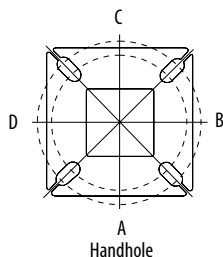
Options

EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION



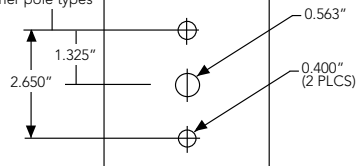
Tenon Mounting Slipfitter**

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
2-3/8"	SPA/RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
	SPUMBA	AS3-5 190	AS3-5 280	AS4-5 290	AS3-5 320	AS4-5 390	AS4-5 490
	RUPUMBA	AS3-5 190	AS3-5 280		AS3-5 320		
2-7/8"	SPA/RPA	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
	SPUMBA	AST25-190	AST25-280		AST25-320		
	RUPUMBA	AST25-190	AST25-280		AST25-320		
4"	SPA/RPA	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
	SPUMBA	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
	RUPUMBA	AST35-190	AST35-280		AST35-320		

Template #8

Top of Pole

1.75" for aluminum poles
2.75" for other pole types



Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RUPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

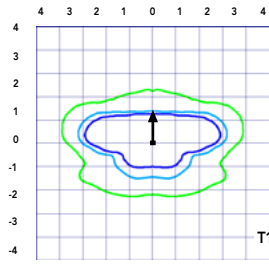
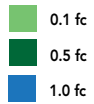


Photometric Diagrams

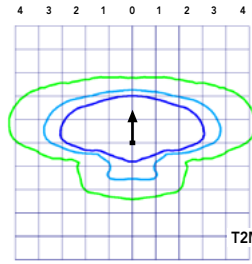
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

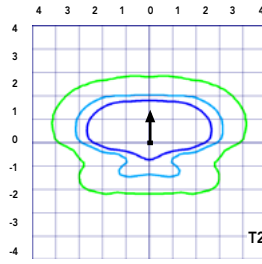
LEGEND



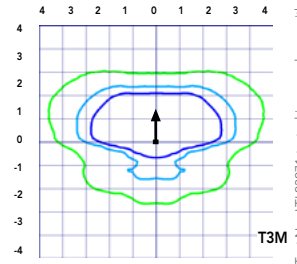
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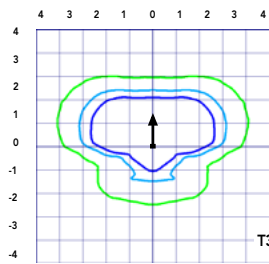
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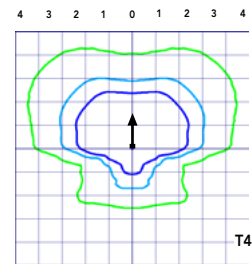
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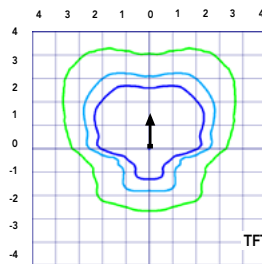
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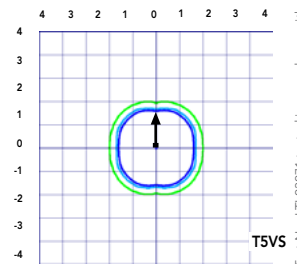
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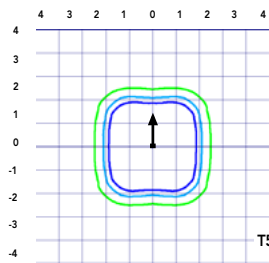
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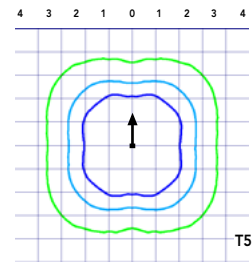
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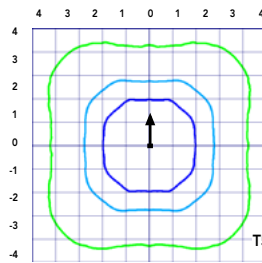
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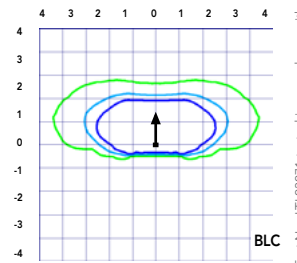
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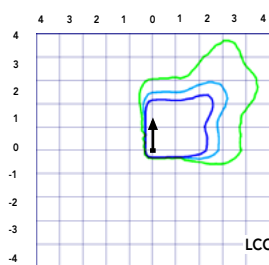
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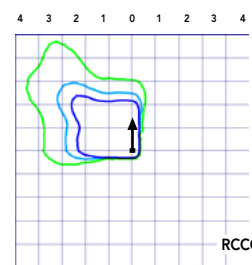
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Test No. LTL23271 tested in accordance with IESNA LM-79-08.



Test No. LTL23211 tested in accordance with IESNA LM-79-08.



Test No. LTL23164B tested in accordance with IESNA LM-79-08.

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*for use when motion sensor is used as dusk to dawn control.

Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FA0	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FA0 device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBOR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight AIR rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131
				TSVS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				TSS	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				TSM	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				TSW	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129
				T3S	8,021	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125
				T3M	8,263	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129
				T4M	8,083	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129
				TSVS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134
				TSS	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134
				TSM	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134
				TSW	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106
				LCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
30	1050	P3	102W	T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125
				TSVS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				TSS	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				TSM	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				TSW	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
				T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115
				TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117
				TSVS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122
				TSS	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122
				TSM	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122
				TSW	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
30	1400	P5	138W	T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
				T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116
				T2M	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116
				TSVS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				TSS	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				TSM	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				TSW	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1250	P6	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115
				T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118
				TSVS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123
				T5W	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
				T2S	19,206	3	0	3	105	20,690	3	0	3	113	20,952	3	0	3	114
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115
				T3S	18,696	3	0	3	102	20,141	3	0	3	110	20,396	3	0	4	111
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115
				TSVS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119
				T5S	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119
				T5M	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				T5W	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
60	1050	P8	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119
				TSVS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
60	1250	P9	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
				T2S	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116
				T3S	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113
				TFTM	25,602	3	0	4	106	27,580	3	0	4	114	27,929	3	0	4	116
				TSVS	26,626	5	0	1	110	28,684	5	0	1	119	29,047	5	0	1	121
				T5S	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				T5W	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71
				RCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	P10	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131
				T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				TSVS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				TSS	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				TSM	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				TSW	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	P11	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,461	4	0	4	120	17,733	4	0	4	129	17,957	4	0	4	131
				T2M	16,758	4	0	4	122	18,053	4	0	4	132	18,281	4	0	4	133
				T3S	16,205	4	0	4	118	17,457	4	0	4	127	17,678	4	0	4	129
				T3M	16,748	4	0	4	122	18,042	4	0	4	132	18,271	4	0	4	133
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				TSVS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				TSS	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				TSM	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				TSW	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	P12	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119
				T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				TSVS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				TSS	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				TSM	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	P13	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,254	5	0	5	109	27,205	5	0	5	118	27,550	5	0	5	119
				T2M	25,710	4	0	4	111	27,696	4	0	4	120	28,047	4	0	4	121
				T3S	24,862	5	0	5	108	26,783	5	0	5	116	27,122	5	0	5	117
				T3M	25,695	5	0	5	111	27,680	5	0	5	120	28,031	5	0	5	121
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				TSVS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				TSS	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				TSM	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				TSW	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability¹
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background¹

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX1 LED area luminaire has a number of control options. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS

The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product.

Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.





M9700C

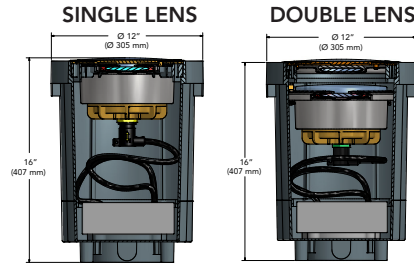
In-Grade Luminaire



IP68

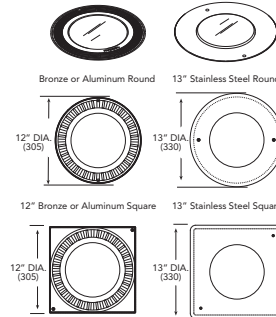


CATALOG NUMBER	M9720C A LED P1 40K MVOLT NFL FLCSR 34B DNA
NOTES	
TYPE	20' AND 25' POLE



Specifications

L:	12"	12"
	305 mm	305 mm
W:	12"	12"
	305 mm	305 mm
H:	16"	16"
	407 mm	407 mm



DESCRIPTION

The M9700C LED in-grade is a true one-for-one replacement for 50-150W metal halide luminaires, with all the benefits of LED. Hydrel's proven flow-through technology and industry leading IP68 rating ensures a 20- year service life. This eliminates routine lamp changes, providing material and labor savings, in addition to the energy savings associated with LED.

The M9700C LED series consists of a factory-sealed LED lamp module and encapsulated power module. The components are secured inside a heavy-duty polymer rough-in housing designed with channeled convective cooling, an integral junction box, and finished door trim assembly. These units can be flushed mounted into a variety of substrates or landscape materials.

ORDERING INFORMATION

EXAMPLE: M9720C SS LED P3 40K MVOLT NSP FLC 34S

M9720C	A	LED	P1	40K	MVOLT	NFL	FLCSR
Model	Door Material	Source	Performance Package	LED Color	Voltage	Distribution	Lens ³
M9710C	Round Door, Single Lens	A Aluminum	LED P1 29W	30K 3000K	MVOLT (120 - 277 volt 50/60HZ)	NSP Narrow Spot	FLC Flat Lens Clear
M9720C	Round Door, Double Lens	B Bronze	P2 35W	40K 4000K		NFL Narrow Flood	FLC5 Flat Lens Clear, 5° Axial Spread
M9730C	Square Door, Single Lens	SS Stainless Steel	P3 46W	50K 5000K		MFL Medium Flood	FLC10 Flat Lens Clear, 10° optical tilt
M9740C	Square Door, Double Lens		P4 ¹ 53W			FL Flood	FLC20 Flat Lens Clear, 20° optical tilt
						WFL Wide Flood	FLF Flat Lens Frosted
						WWD ² Wall Wash	FLCAS Flat Lens Clear, Anti-Slip
							FLC5AS Flat Lens Clear, 5° Axial Spread, Anti-Slip

		34B			DNA		
Lens (cont.)		Conduit Entries	Accessories		Options	Finish ¹¹	Listing
FLCSR ⁴	Flat Lens Clear Slip Resistant	12B 1/2" NPT Bottom	Internal ^{6,7}		LDIM 0-10V Dimming (Dims to 10%)	BL Black	IEC ⁴ International Electro-technical Commission (50HZ applications only)
FLC5SR ⁴	Flat Lens Clear, 5° Axial Spread, Slip Resistant	12S 1/2" NPT Side	IHL Internal Honeycomb Louver			BZ Bronze	
FLC10SR ⁴	Flat Lens Clear, 10° optical tilt, Slip Resistant	34B 3/4" NPT Bottom	LSF Linear Spread Filter		IDIM ¹⁰ Inline Dimming (Dims to 40%)	DDB Dark Bronze	
FLC20SR ⁴	Flat Lens Clear, 20° optical tilt, Slip Resistant	34S 3/4" NPT Side	External ^{6,8}			DNA Natural Alum.	
CLC	Convex Lens, Clear	25S ⁵ Two 25mm Side	GS Glare Shield		EDIM 0-10V Dimming (Dims to Dark)	GN Green	
CLF	Convex Lens, Frosted		LC ⁸ Lexan Cover			GR Gray	
			LS Light Shield			SND Sand	
			RG ⁹ Rock Guard			STG Steel Gray	
			Trim Ring ^{6,8}			TVG Terra Verde Green	
			BTR Brass Round			WH White	
			BTS Brass Square			—Z ¹² Zinc Undercoat (i.e. BLZ)	
			STR Stainless Round				
			STS Stainless Square				

Notes:

- 1 P4 not available with double lens.
- 2 Recommended to use the FLF or FLCSR lens with the WWD
- 3 Specify top lens. Bottom lens is FLC standard on M9720C and M9740C.
- 4 Meets ADA requirements for coefficient of friction.
- 5 Only for use in 50HZ applications.
- 6 Accessories are mutually exclusive, choose one only.
- 7 Not available with FLC10, FLC20, FLC10SR or FLC20SR.

- 8 External accessory not available with SS door material.
- 9 Not available with CLC or CLF convex lens.
- 10 IDIM forward phase dimming not available with P3. IDIM option should be run at 120 volt.
- 11 Finish only available on "A" door material.
- 12 Add Zinc undercoat for harsh environments.

M9700C LED Series Assembly consists of the following individual components parts	MRIS97C Rough-In Housing MFS97C Finishing Section MACLC LED Module MHSL97C Power Module
--	--



9144 Deering Avenue, Second Floor • Chatsworth, CA 91311 • www.hydrel.com
Phone: 866.533.9901 • Fax: 866.533.5291

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Rev. 01/22/16
M9700C_LED

LUMEN OUTPUT — SINGLE LENS (M9710C AND M9730C)

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	Field Angle		Beam Angle		30K (3000K, 70CRI)			40K (4000K, 70CRI)			50K (5000K, 70CRI)		
			°H	°V	°H	°V	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW
P1	29W	NSP	29	29	13	13	22,341	3,285	113	31,686	3,499	121	31,820	3,660	126
		NFL	70	70	25	25	6,182	2,964	102	9,252	2,950	102	9,281	3,067	106
		MFL	65	56	52	40	3,093	2,802	97	4,571	2,766	95	4,602	2,850	98
		FL	84	78	69	57	1,911	2,957	102	2,840	2,964	102	2,934	3,051	105
		WFL	103	93	78	61	1,228	2,527	87	1,861	2,580	89	1,881	2,592	89
		WWD	122	75	78	36	2,592	2,618	90	2,585	2,611	90	2,689	2,547	88
P2	35W	NSP	29	29	13	13	27,686	3,887	112	37,026	4,068	118	36,439	4,233	122
		NFL	70	70	25	25	7,665	3,504	101	10,668	3,488	101	10,630	3,630	105
		MFL	65	56	52	40	3,835	3,312	96	5,270	3,271	95	5,270	3,374	98
		FL	84	78	69	57	2,369	3,496	101	3,275	3,504	101	3,361	3,611	104
		WFL	103	93	78	61	1,522	2,987	86	2,146	3,050	88	2,155	3,067	89
		WWD	123	77	79	40	2,179	2,892	84	2,944	3,032	88	3,080	3,015	87
P3	46W	NSP	27	27	12	12	47,420	5,111	111	46,761	5,098	111	45,742	5,215	113
		NFL	70	70	25	25	13,125	4,617	100	13,487	4,595	100	13,354	4,777	104
		MFL	65	56	52	40	6,566	4,364	95	6,663	4,309	94	6,621	4,440	97
		FL	84	78	69	57	4,057	4,606	100	4,140	4,617	100	4,222	4,753	103
		WFL	103	93	77	61	2,607	3,936	86	2,713	4,018	87	2,707	4,037	88
		WWD	123	77	79	40	3,731	3,810	83	3,721	3,800	83	3,869	3,968	86
P4	53W	NSP	27	27	12	12	50,447	5,504	104	50,400	5,476	104	52,146	5,615	107
		NFL	70	70	25	25	13,952	4,973	94	14,485	4,949	94	15,224	5,145	98
		MFL	65	56	52	40	6,980	4,700	89	7,156	4,641	88	7,548	4,782	91
		FL	84	78	69	57	4,313	4,961	94	4,446	4,973	94	4,813	5,119	97
		WFL	103	93	77	61	2,771	4,239	80	2,914	4,327	82	3,086	4,348	83
		WWD	122	75	78	36	4,104	4,149	79	4,093	4,138	79	4,411	4,274	81

LUMEN OUTPUT — DOUBLE LENS (M9720C AND M9740C)

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	Field Angle		Beam Angle		30K (3000K, 70CRI)			40K (4000K, 70CRI)			50K (5000K, 70CRI)		
			°H	°V	°H	°V	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW
P1	29W	NSP	29	29	13	13	19,883	2,924	101	28,201	3,114	107	28,320	3,257	112
		NFL	70	70	25	25	5,502	2,638	91	8,234	2,625	91	8,260	2,729	94
		MFL	65	56	52	40	2,752	2,494	86	4,068	2,462	85	4,095	2,537	87
		FL	84	78	69	57	1,701	2,632	91	2,528	2,638	91	2,612	2,716	94
		WFL	103	93	78	61	1,093	2,249	78	1,656	2,296	79	1,674	2,307	80
		WWD	122	75	78	36	2,307	2,330	80	2,301	2,324	80	2,393	2,267	78
P2	35W	NSP	29	29	13	13	24,641	3,459	100	32,953	3,621	105	32,431	3,767	109
		NFL	70	70	25	25	6,822	3,119	90	9,495	3,104	90	9,461	3,230	93
		MFL	65	56	52	40	3,413	2,948	85	4,691	2,911	84	4,691	3,002	87
		FL	84	78	69	57	2,109	3,111	90	2,915	3,119	90	2,991	3,214	93
		WFL	103	93	78	61	1,355	2,659	77	1,910	2,714	78	1,918	2,730	79
		WWD	123	77	79	40	1,939	2,574	74	2,620	2,699	78	2,741	2,683	78
P3	46W	NSP	27	27	12	12	42,204	4,549	99	41,617	4,537	99	40,710	4,641	101
		NFL	70	70	25	25	11,681	4,109	89	12,003	4,090	89	11,885	4,252	92
		MFL	65	56	52	40	5,844	3,884	84	5,930	3,835	83	5,893	3,952	86
		FL	84	78	69	57	3,611	4,099	89	3,685	4,109	89	3,758	4,230	92
		WFL	103	93	77	61	2,320	3,503	76	2,415	3,576	78	2,409	3,593	78
		WWD	123	77	79	40	3,321	3,391	74	3,312	3,382	74	3,443	3,532	77

OPERATING TEMPERATURE: -30°C through 50°C P1 & P2; -30°C through 40°C P3

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the Fixture platform in a 25°C ambient, based on 13,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.00	0.94	0.93	0.92

Electrical Load

Light Engines	Drive Current (mA)	System Watts	Current (A)			
			120	208	240	277
P1	250mA	29	0.24	0.14	0.12	0.10
P2	300mA	35	0.29	0.17	0.15	0.13
P3	400mA	46	0.38	0.22	0.19	0.17
P4	450mA	53	0.44	0.25	0.22	0.19

Slip Resistance and Load Rating

M9700C LED

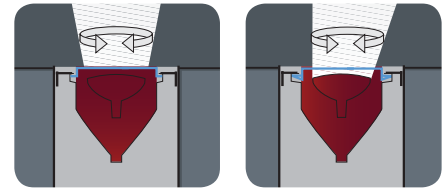
MAXIMUM LOAD RATING

Peak compression force of 3,750 lbs. (single lens), 3,200 lbs. (double lens).

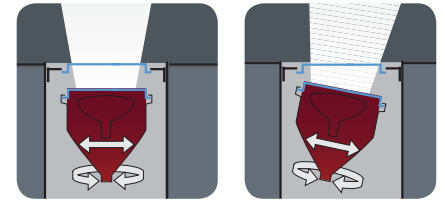
LENS STATIC COEFFICIENT OF FRICTION

M9700 Anti-Slip Lens (FLCAS): Dry = 0.76; Wet = 0.10

M9700 Slip Resistant Lens (FLSR): Dry = 0.84; Wet = 0.65

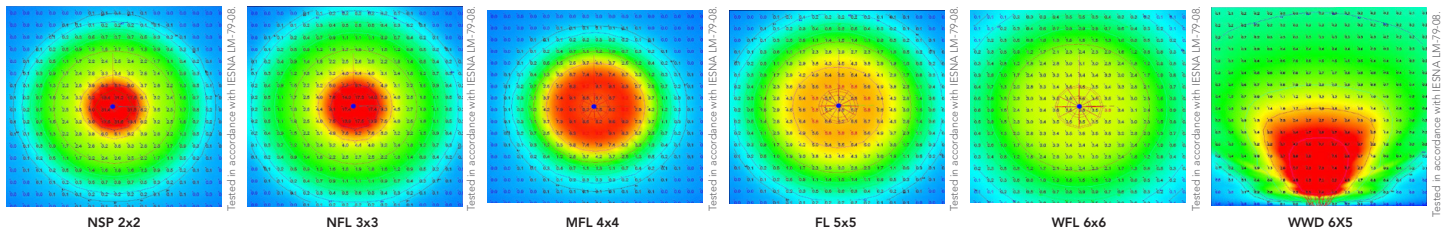


Single lensed fixture can be aimed using 10° and 20° optical tilt lenses only.



Double lens, mechanically and optically aimed.

PHOTOMETRIC DIAGRAMS



To see complete photometric reports or download .ies files for this product, visit www.hydel.com

FEATURES & SPECIFICATIONS

INTENDED USE: The M9700C LED incorporates a modular design with a water-tight module and junction box intended for applications with flow-through capability. The design of the housing starts at the rough-in sections with a molded junction box and holes at the bottom, allowing a pathway for the water to flow through the housing and drain out the bottom. This product is ideal for all outdoor uplight applications, such as wall washing and feature accentuation.

DOOR MATERIAL: Cast aluminum, cast bronze or stainless steel. Available in round or square door trim. Finish is natural aluminum or bronze. Stainless steel door is brushed finish. Aluminum doors may be painted. See ordering guide.

ROUGH-IN SECTION: Injection molded polymer with integral junction box for thru-branch wiring. The housing is U.V. stabilized, impact and corrosion resistant for use in all types of environments. The rough-in houses the LED and power module components and top door finishing section. Potting compound (PC21) recommended for junction box splices. PC21 sold separately.

CONDUIT ENTRIES: Two (2) bottom or side entries available. Box suitable for through-branch wiring. Splicing volume is 25 in³ (410 cm³)

FINISHING SECTION: Double lens design includes door assembly with 360° Aim-Lock™ module support and tilt ring that allows 15° of aiming. Active optical lenses are also available. Module indexing provides easy maintenance without re-aiming. Door trim locks into position with two stainless steel captive, tamper-resistant fasteners.

LED MODULE: Stainless steel housing, factory-sealed and purged of all moisture for longer component life. The LED module is suspended below the top door lens in a surface adjustable, 15° tilt mechanism. Lens is sealed with silicone gasket and stainless steel clamp band assembly with single fastener. Electrical connection to LED module is done through a submersible quick disconnect plug connector with gold-plated contacts.

LIGHT ENGINE: Light engines consist of chip-on-board (COB) LEDs directly coupled to the housing to maximize heat dissipation and promote long life (100,000 hrs, L92). Heat generated by LEDs is dissipated into and through the fixture housing, and adds less than 15°C to steady state operating lens temperature. For example, in a typical 25°C (77°F) operating environment, lens temperature would not exceed 40°C (104°F).

POWER MODULE: LED driver is encapsulated in a custom heat-dissipating epoxy resin that eliminates all moisture intrusion. Module is provided with submersible rated cord leads for connection to integral junction box and LED module.

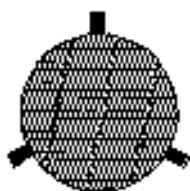
ELECTRICAL: MVOLT (120-277) 50/60 Hz LED power supply. Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Surge protection meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

LISTING: CSA certified to U.S. and Canadian standards. Luminaire is IP68 rated. Suitable for Wet Locations. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY: 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

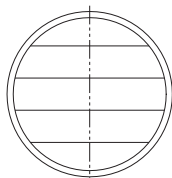
NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

INTERNAL



INTERNAL HONEYCOMB LOUVERS
Hexagonal cell louver with 45° cut-off.

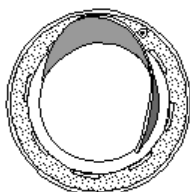
IHL



LINEAR SPREAD FILTER
6.68" diameter, spreads the beam of light along one axis only. May be oriented to spread the light horizontally or vertically.

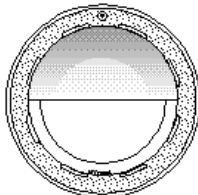
LSF

EXTERNAL



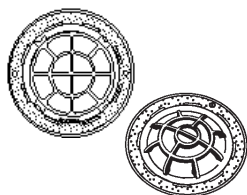
QUARTER GLARE SHIELDS
Rolled sheet aluminum or brass. 360° of adjustment on fixture door, with lock down. May be field installed to door as shown.
(Not recommended for foot traffic areas.)

GS



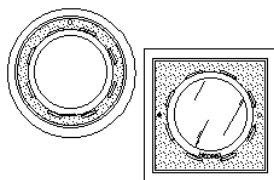
HALF LIGHT SHIELD
(Quarter Spherical External)
Cast aluminum or bronze shield for glare control for wall wash units. 360° adjustment allows field setting and lock down. May be field installed to door as shown.
(Not recommended for foot traffic areas.)

LS



ROCKGUARD (EXTERNAL)
Cast aluminum or cast bronze material.
(Not recommended for foot traffic areas.)

RG



STAINLESS STEEL or BRONZE TRIM RINGS
A decorative escutcheon used when a high finish look is wanted. For finishing marble, tile or other installations. Available in round or square. Door is flush with escutcheon. Not available on SS doors.

BTR
BTS
STR
STS

LEXAN DOME
A Lexan protective cover for use in areas where loose debris such as leaves and pine needles accumulate.

LC

FEATURES & SPECIFICATIONS

INTENDED USE

Provides years of maintenance-free illumination for indoor or outdoor use in residential & commercial applications.

CONSTRUCTION

Cast-aluminum housing with corrosion-resistant paint in an industrial grey finish.

Sealed gasket protects against moisture and dust.

OPTICS

4000K CCT LEDs.

Frosted glass diffuser provides even light distribution.

LUMEN MAINTENANCE

LEDs will deliver 70% of their initial lumens at 50,000 hour average LED life. See Lighting Facts label on page 2 for performance details.

ELECTRICAL

MVOLT driver operates on any line voltage from 120-277V

Operating temperature -40°C to 40°C.

4kV surge protection standard.

INSTALLATION

Mounts to ceiling or wall with surface mount junction box (included).

LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations.

Tested in accordance with IESNA LM-79 and LM-80 standards.

WARRANTY

Five-year limited warranty. Full warranty terms located at

www.AcuityBrands.com/CustomerResources/Terms_and_Conditions.aspx

Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Note: Specifications are subject to change without notice.

Catalog
Number

Notes

Type

Outdoor General Purpose

OLVTCM & OLVTWM

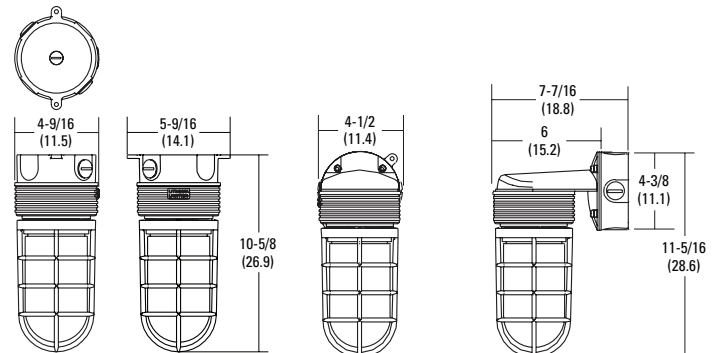


LED VAPORTIGHT



Specifications

All dimensions are inches (centimeters)



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: OLVTCM

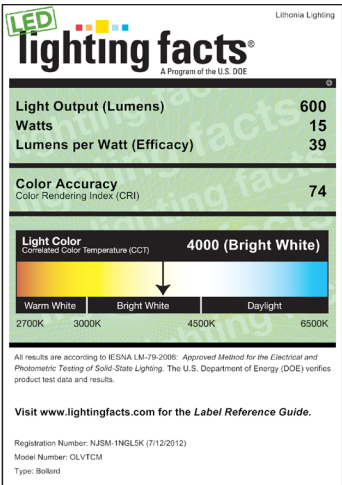
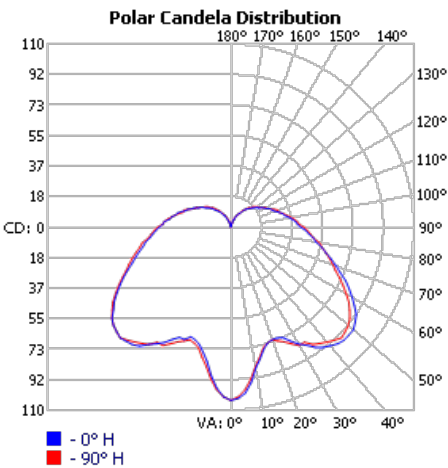
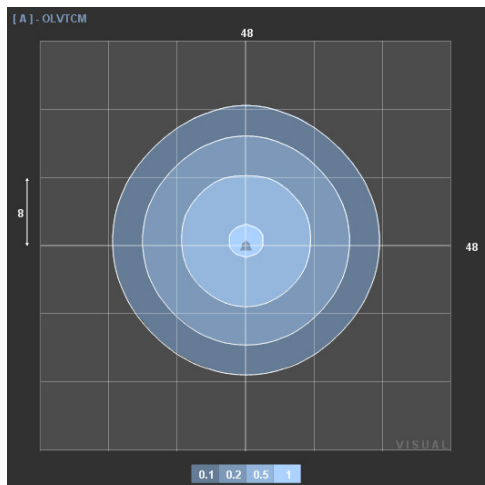
Series	Color temperature	Voltage	Finish
OLVTCM Ceiling MT	(blank) 4000K	(blank) MVOLT (120V-277V)	(blank) Grey
OLVTWM Wall MT			

OLVTCM & OLVTWM LED Vaportight

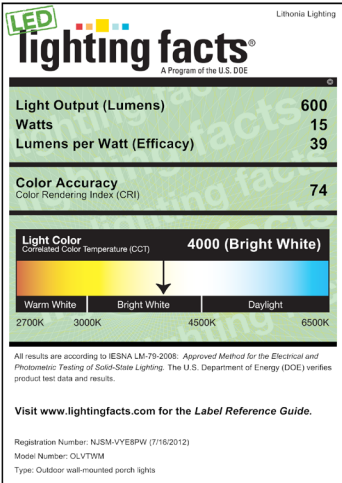
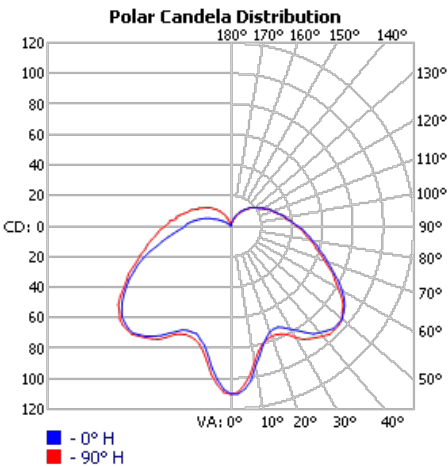
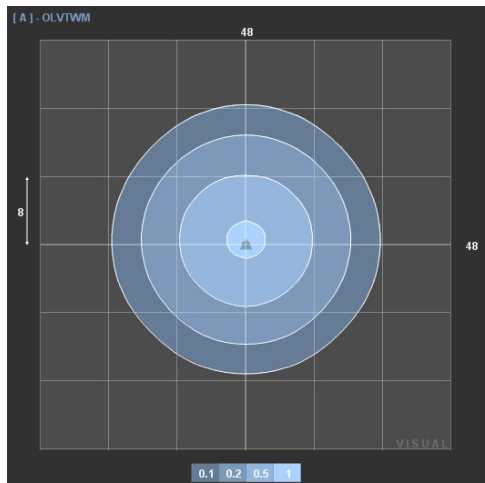
PHOTOMETRICS

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's Outdoor LED homepage
Tested in accordance with IESNA LM-79 and LM-80 standards.

OLVTCM



OLVTWM



This site plan illustrates the layout for a lighting demonstration project. The plan includes a large parking lot with numerous stalls, a building with a complex roofline, and surrounding landscape features like trees and shrubs. Various lighting fixture locations are marked with numbers in boxes: '1' for streetlights, '2' for parking lot lights, '3' for building perimeter lights, and '4' for building facade lights. The plan also shows a road with a dashed center line and a sidewalk. A north arrow is located in the top right corner. The scale is indicated as 1" = 40'-0".

① LIGHTING DEMO PLAN - SITE
1" = 40'-0"

1. ALL EXISTING SITE LIGHTING SHALL BE DISCONNECTED AND REMOVED. REFER TO INDIVIDUAL KEYED NOTES TO ADDRESS THE POLE BASES.

- 1 REMOVE EXISTING LIGHT POLE INCLUDING POLE BASE AND WIRING BACK TO IT'S SOURCE.
- 2 REMOVE EXISTING LIGHT POLE. EXISTING POLE BASE SHALL REMAIN.
- 3 REMOVE EXISTING FLAG POLE LIGHT. EXISTING CONCRETE BASE SHALL REMAIN FOR NEW FLAG POLE LIGHT.
- 4 DISCONNECT AND REMOVE EXISTING WALL PACK AND OR FLOOD LIGHT. REMOVE ALL CONDUIT AND WIRING BACK TO IT'S SOURCE.

KEYED NOTES

- 1 REMOVE EXISTING LIGHT POLE INCLUDING POLE BASE AND WIRING BACK TO IT'S SOURCE.
- 2 REMOVE EXISTING LIGHT POLE. EXISTING POLE BASE SHALL REMAIN.
- 3 REMOVE EXISTING FLAG POLE LIGHT. EXISTING CONCRETE BASE SHALL REMAIN FOR NEW FLAG POLE LIGHT.
- 4 DISCONNECT AND REMOVE EXISTING WALL PACK AND OR FLOOD LIGHT. REMOVE ALL CONDUIT AND WIRING BACK TO IT'S SOURCE.

Kimley»Horn
2019 KIMLEY-HORN AND ASSOCIATES, INC.
1001 WARRENVILLE ROAD, SUITE 350,
Lisle, IL 60532
PHONE: 630-487-5550
WWW.KIMLEY-HORN.COM

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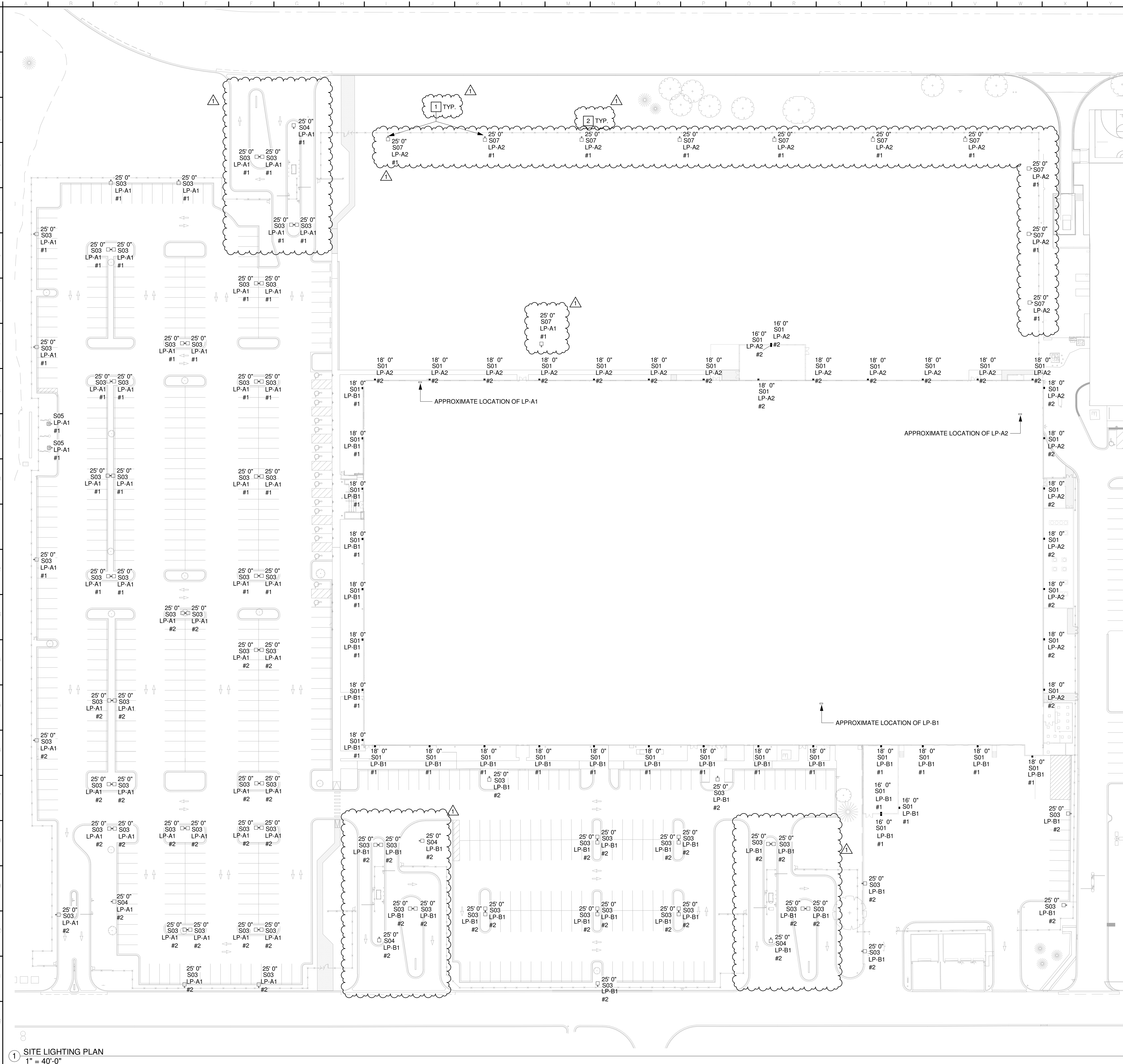
ORIGINAL ISSUE:
5/22/19

KHA PROJECT NO.
18.160

SHEET NUMBER

E00-06

This document contains all the electrical and design information required for the construction of the project. It is intended for use by the electrical contractor and shall be used in accordance with the specifications and standards of the electrical industry. The information contained herein is the property of Kimley-Horn and Associates, Inc. and shall not be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying, recording, or by any information storage or retrieval system, without the prior written permission of Kimley-Horn and Associates, Inc.



1 SITE LIGHTING PLAN
1" = 40'-0"

GENERAL NOTES

- REFER TO PROJECT GENERAL NOTES ON E00-01 FOR ADDITIONAL INFORMATION.
- COORDINATE EXACT ROUTING AND BURIAL DEPTH OF DUCTBANKS TO AVOID CONFLICTS WITH OTHER UTILITIES.
- ALL EXISTING UNDERGROUND UTILITIES SHALL BE LOCATED PRIOR TO ANY EXCAVATION WORK TAKING PLACE. PERFORM CAREFUL EXCAVATION IN AREAS IN PROXIMITY TO EXISTING BURIED UTILITIES.
- REFER TO SPECIFICATIONS AND ELECTRICAL SITE DETAILS FOR ADDITIONAL INFORMATION.
- ALL WIRING FOR SITE LIGHTING SHALL BE TYPE XHHW-2 #8 AWG, 1 INCH SCHEDULE 40 PVC.
- COORDINATE ALL BUILDING LIGHT FIXTURE HEIGHTS AND LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.

KEYED NOTES

- BOND METAL LIGHT POLE TO EQUIPMENT GROUNDING CONDUCTOR USING 2/0 BARE COPPER. EQUIPMENT GROUNDING CONDUCTOR SIZE BASED ON 2005 NEC TABLE 250.122. REFER TO FEEDER SCHEDULE FOR EQUIPMENT GROUNDING CONDUCTOR SIZING. TYPICAL.
- FIXTURE TO BE INSTALLED AT HEIGHT INDICATED ON DRAWINGS.

7/22/2019	DATE	BY
1	REVISION 1	NC
Kimley-Horn 2019 KIMLEY-HORN AND ASSOCIATES, INC. 1001 WARRENVILLE ROAD, SUITE 350, DUBLUKE, IL 60018 WWW.KIMLEY-HORN.COM		
AS NOTED	DESIGNED BY: AL	DRAWN BY: DTE
SEAL	CHECKED BY: AL	
kw C O R G A N		
SITE LIGHTING PLAN		
PARKING LOT ALTERATION AND INTERIOR BUILDOUT 1501 SHURE DRIVE ARLINGTON HEIGHTS, IL 60004		
ORIGINAL ISSUE: 5/22/19		
KHA PROJECT NO. 18.160		
SHEET NUMBER		
E00-07		

2	2	-	3	-	4	-	5	-	6	-	7	-	8	-	9	-	10	-	11	-	12	-	13	-	14	-	15	-	16	-	17	-	18	-	19	-	20	-	21	-	22
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SITE LUMINAIRE SCHEDULE

FEEDER SCHEDULES NOTES:

NOTE (1): COPPER CONDUCTOR AMPACITY BASED ON 2005 NEC TABLE 310.15(B)16, FORMALLY 310-16; 60°C FOR <=100A & 75°C FOR >100A.

NOTE (2): CONTRACTOR MAY SUBSTITUTE THE SCHEDULED FEEDER WITH AN ALTERNATE SELECTION OF EQUAL OR GREATER AMPACITY WITH THE PRIOR WRITTEN APPROVAL OF THE ENGINEER.

NOTE (3): COPPER EQUIPMENT GROUND CONDUCTOR SIZED BASED ON 2005 NEC TABLE 250.122.

NOTE (4): CONDUIT SIZE BASED ON RIGID PVC CONDUIT, SCHEDULE 40 (PVC 40); 2005 NEC TABLE C10. FOR ALTERNATE CONDUIT TYPES, CONTRACTOR MAY SUBSTITUTE SMALLER CONDUIT SIZES WITH PRIOR WRITTEN APPROVAL OF THE ENGINEER.

NOTE (5): CONDUIT SIZES INDICATED ARE NEC MINIMUM. CONTRACTOR SHALL INCREASE CONDUIT SIZE AS REQUIRED BASED ON ACTUAL INSTALLATION CONDITIONS, INCLUDING LENGTHS OF CIRCUIT, NUMBER OF OFFSETS AND ELBOWS AND CABLE PULLING TENSION LIMITATIONS.

NOTE (6): CONTRACTOR SHALL SIZE THE SUPPLY SIDE BONDING JUMPER FOR ALL TRANSFORMER SECONDARY BASED ON NEC TABLE 250.102(C)(1). CONTACT ENGINEER FOR CLARIFICATIONS.



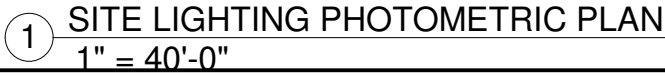
SITE LIGHTING DETAILS

**PARKING LOT ALTERATION
AND INTERIOR BUILDOUT**

1501 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

ORIGINAL ISSUE: 5/22/19
KHA PROJECT NO. 18.160
SHEET NUMBER

E00-08



SITE LIGHTING PHOTOMETRIC

PARKING LOT ALTERATION AND INTERIOR BUILDOUT

1501 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

ORIGINAL ISSUE:
5/22/19

RHA PROJECT NO.
18.180

SHEET NUMBER

C O R G A N

2019 KIMLEY-HORN AND ASSOCIATES, INC.
1050 N. RANDOLPH ST., SUITE 300A,
URBANA, IL 61802-5009
WWW.KIMLEY-HORN.COM

Kimley»Horn

PROJECT NO. 18.180
DATE: 5/22/2019

DATE: 5/22/2019

DESIGNED BY: AL

TEAM: B.T.

CHECKED BY: AL

DATE: 5/22/2019

PROJECT NO. 18.180
DATE: 5/22/2019

DATE: 5/22/2019

DESIGNED BY: AL

TEAM: B.T.

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PROJECT NO. 18.180
DATE: 5/22/2019

DATE: 5/22/2019

DESIGNED BY: AL

TEAM: B.T.

CHECKED BY: AL

DATE

SITE LIGHTING PHOTOMETRIC

1501 SHURE DRIVE
ARLINGTON HEIGHTS, IL 60004

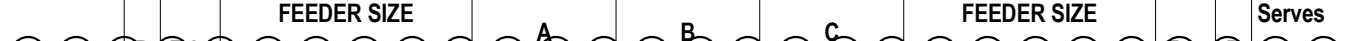
ORIGINAL ISSUE:

KHA PROJECT NO. 10-103

E00-09

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SCHEDULE FOR PANEL: LP-A1											
Location: Space 121				Volts: 480/277 Wye				A.I.C. Rating: 10 KAIC			
Supply From: T-LP-A1				Phases: 3				Mains Type: MCB			
Mounting: Surface				Wires: 4				Mains Rating: 100 A			
Number of Poles 42				Ground Bus : Yes				MCB Rating: 70 A			
Serves	P	Tripp	FEEDER SIZE	A	B	C	FEEDER SIZE	Tripp	P	Serves	OKT
1 SITE LIGHTING	1	15 A	2#8, 1#10G, IN 1" C	1783 / 1350			2#8, 1#10G, IN 1" C	15 A	1	1 SITE LIGHTING	2
LTG. 1684, 1685, 1001, 1009	1	15 A	2#12, 1#12G, IN 3/4" C		1346 / 1120		2#12, 1#12G, IN 3/4" C	15 A	1	LTG. 1685, 2601	4
5 LTG. 2002, 1011, 2004	1	15 A	2#12, 1#12G, IN 3/4" C			756 / 594	2#12, 1#12G, IN 3/4" C	15 A	1	LTG. 1001, 1003 VEST. & LOBBY	6
7 LTG. 1013, 1014, 1015, 1017, 1018	1	15 A	2#12, 1#12G, IN 3/4" C	455 / 2868			2#12, 1#12G, IN 3/4" C	15 A	1	LTG. 1009	8
9 LTG. 1024A, 2003, 2009, 2011	1	15 A	2#12, 1#12G, IN 3/4" C		1419 / 1558		2#12, 1#12G, IN 3/4" C	15 A	1	LTG. CONFERENCE 3006, 3008, 3009, 3011...	10
11 LTG. 3021	1	15 A	2#12, 1#12G, IN 3/4" C			1541 / 1906	2#12, 1#12G, IN 3/4" C	15 A	1	LTG. 1022, 1024, 2006, 2008,	12
13 LTG. 1027, 3003	1	15 A	2#12, 1#12G, IN 3/4" C	882 / 482			2#12, 1#12G, IN 3/4" C	15 A	1	LTG. 3028	14
15 LTG. 3002A, 3031, 3032, 3036, 3038,	1	15 A	2#12, 1#12G, IN 3/4" C		794 / 648		2#12, 1#12G, IN 3/4" C	15 A	1	LTG. LOCKERS 3007	16
17 LTG. 3014, 3015, 3019 RESTROOMS	1	15 A	2#12, 1#12G, IN 3/4" C			357 / 1143	2#12, 1#12G, IN 3/4" C	15 A	1	LTG. 3022, 3022A, 3033, 3034, 3037	18
19 SPARE	1	15 A	--	0 / 0			--	15 A	1	SPARE	20
21 SPARE	1	15 A	--		0 / 0		--	15 A	1	SPARE	22
23 SPARE	1	15 A	--			0 / 0	--	15 A	1	SPARE	24
25 PREPARED SPACE	--	--	--	0 / 0			--	--	--	PREPARED SPACE	26
27 PREPARED SPACE	--	--	--		0 / 0		--	--	--	PREPARED SPACE	28
29 PREPARED SPACE	--	--	--			0 / 0	--	--	--	PREPARED SPACE	30
31 PREPARED SPACE	--	--	--	0 / 0			--	--	--	PREPARED SPACE	32
33 PREPARED SPACE	--	--	--		0 / 0		--	--	--	PREPARED SPACE	34
35 PREPARED SPACE	--	--	--			0 / 0	--	--	--	PREPARED SPACE	36
37 PREPARED SPACE	--	--	--	0 / 0			--	--	--	PREPARED SPACE	38
39 PREPARED SPACE	--	--	--		0 / 0		--	--	--	PREPARED SPACE	40
41 PREPARED SPACE	--	--	--			0 / 0	--	--	--	PREPARED SPACE	42
				7738 VA	6837 VA	6282 VA					
				28 A	25 A	23 A					
Load Classification	Connected Load			Demand Factor	Estimated Demand		Panel Totals				
LIGHTING	13551 VA			100.00%	13551 VA						
Other	7531 VA			100.00%	7531 VA						
							Total Conn. Load: 20841 VA				
							Total Est. Demand: 20841 VA				
							Total Connected Load (Amps): 25 A				
							Total Est. Demand Load (Amps): 25 A				

SCHEDULE FOR PANEL: LP-B1											
Location: Space 445				Volts: 480/277 Wye				A.I.C. Rating: 10 KAIC			
Supply From: T-LP-B1				Phases: 3				Mains Type: MCB			
Mounting: Surface				Wires: 4				Mains Rating: 100 A			
Number of Poles 42				Ground Bus : Yes				MCB Rating: 70 A			
											
Serves	P	Tripp	FEEDER SIZE	A	B	C	FEEDER SIZE	Tripp	P	Serves	OKT
1 EXTERIOR BLDG LIGHTING	1	15 A	2#12, 1#12G, IN 3/4" C	816 / 1512			2#8, 1#10G, IN 1" C	15 A	1	1 SITE LIGHTING	2
LTG. UNOCCUPIED AREA 4001, 4003	1	15 A	2#12, 1#12G, IN 3/4" C		1175 / 1158		2#12, 1#12G, IN 3/4" C	15 A	1	LTG. UNOCCUPIED AREA 4001	4
5 LTG. 3214, 3217, 3218 RESTROOMS	1	15 A	2#12, 1#12G, IN 3/4" C			359 / 1542	2#12, 1#12G, IN 3/4" C	15 A	1	LTG. 3209, 3211, 3214, 3217, 3216, 3218...	6
7 LTG. 3221, 3224, 3225, 3227, 3228	1	15 A	2#12, 1#12G, IN 3/4" C	1405 / 31			2#12, 1#12G, IN 3/4" C	15 A	1	LTG. 3202-3208	8
9 LTG. 3252, 3256, 3259, 3259A, 3263	1	15 A	2#12, 1#12G, IN 3/4" C		1701 / 1315		2#12, 1#12G, IN 3/4" C	15 A	1	LTG. 3231-3242	10
11 LTG. 3272-3278	1	15 A	2#12, 1#12G, IN 3/4" C			1966 / 2470	2#12, 1#12G, IN 3/4" C	15 A	1	LTG. NOC FLOOR ZONE 7	12
13 LTG. NOC FLOOR ZONE 3	1	15 A	2#12, 1#12G, IN 3/4" C	2381 / 2339			2#12, 1#12G, IN 3/4" C	15 A	1	LTG. NOC FLOOR ZONE 9	14
15 LTG. 3246, 3251 RESTROOMS	1	15 A	2#12, 1#12G, IN 3/4" C		300 / 2479		2#12, 1#12G, IN 3/4" C	15 A	1	LTG. NOC FLOOR ZONE 10	16
17 LTG. NOC FLOOR ZONE 8	1	15 A	2#12, 1#12G, IN 3/4" C			2348 / 2361	2#12, 1#12G, IN 3/4" C	15 A	1	LTG. NOC FLOOR ZONE 6	18
19 SPARE	1	15 A	--	0 / 0			--	15 A	1	SPARE	20
21 SPARE	1	15 A	--		0 / 0		--	15 A	1	SPARE	22
23 SPARE	1	15 A	--			0 / 0	--	15 A	1	SPARE	24
25 PREPARED SPACE	--	--	--	0 / 0			--	--	--	PREPARED SPACE	26
27 PREPARED SPACE	--	--	--		0 / 0		--	--	--	PREPARED SPACE	28
29 PREPARED SPACE	--	--	--			0 / 0	--	--	--	PREPARED SPACE	30
31 PREPARED SPACE	--	--	--	0 / 0			--	--	--	PREPARED SPACE	32
33 PREPARED SPACE	--	--	--		0 / 0		--	--	--	PREPARED SPACE	34
35 PREPARED SPACE	--	--	--			0 / 0	--	--	--	PREPARED SPACE	36
37 PREPARED SPACE	--	--	--	0 / 0			--	--	--	PREPARED SPACE	38
39 PREPARED SPACE	--	--	--		0 / 0		--	--	--	PREPARED SPACE	40
41 PREPARED SPACE	--	--	--			0 / 0	--	--	--	PREPARED SPACE	42
				8483 VA	8444 VA	10997 VA					
				31 A	30 A	40 A					
Load Classification	Connected Load			Demand Factor	Estimated Demand		Panel Totals				
LIGHTING	5256 VA			100.00%	5256 VA						
Other	22858 VA			100.00%	22858 VA						
							Total Conn. Load: 27912 VA				
							Total Est. Demand: 27912 VA				
							Total Connected Load (Amps): 34 A				
							Total Est. Demand Load (Amps): 34 A				

SCHEDULE FOR PANEL: LP-A2											
Location: Space 400				Volts: 480/277 Wye				A.I.C. Rating: 10 KAIC			
Supply From: T-LP-A2				Phases: 3				Mains Type: MCB			
Mounting: Surface				Wires: 4				Mains Rating: 100 A			
Number of Poles 42				Ground Bus : Yes				MCB Rating: 70 A			
Serves	P	Tripp	FEEDER SIZE	A	B	C	FEEDER SIZE	Tripp	P	Serves	OKT
1 SITE LIGHTING	1	15 A	2#8, 1#10G, IN 1" C	1630 / 748			2#12, 1#12G, IN 3/4" C	15 A	1	EXTERIOR BLDG LIGHTING	2
3 LTG. 3283-3299 EAST ADMIN	1	15 A	2#12, 1#12G, IN 3/4" C		1067 / 1532		2#12, 1#12G, IN 3/4" C	15 A	1	LTG. 1915, 1918 RESTROOMS	4
5						0 / 2237	2#12, 1#12G, IN 3/4" C	15 A	1	LTG. NOC FLOOR ZONE 4	6
7 LTG. 3279, 3279A, 3281, 3283, 3284	1	15 A	2#12, 1#12G, IN 3/4" C	502 / 837			2#12, 1#12G, IN 3/4" C	15 A	1	LTG. 3002 EOC	8
9 LTG. NOC FLOOR ZONE 2	1	15 A	2#12, 1#12G, IN 3/4" C		1875 / 2339		2#12, 1#12G, IN 3/4" C	15 A	1	LTG. NOC FLOOR ZONE 3	10
11 LTG. NOC FLOOR ZONE 1	1	15 A	2#12, 1#12G, IN 3/4" C			2910 / 321	2#12, 1#12G, IN 3/4" C	15 A	1	LIGHTING	12
13 SPARE	1	15 A	--	0 / 0			--	15 A	1	SPARE	14
15 SPARE	1	15 A	--		0 / 0		--	15 A	1	SPARE	16
17 SPARE	1	15 A	--			0 / 0	--	15 A	1	SPARE	18
19 PREPARED SPACE	--	--	--	0 / 0			--	--	--	PREPARED SPACE	20
21 PREPARED SPACE	--	--	--		0 / 0		--	--	--	PREPARED SPACE	22
23 PREPARED SPACE	--	--	--			0 / 0	--	--	--	PREPARED SPACE	24
25 PREPARED SPACE	--	--	--	0 / 0			--	--	--	PREPARED SPACE	26
27 PREPARED SPACE	--	--	--		0 / 0		--	--	--	PREPARED SPACE	28
29 PREPARED SPACE	--	--	--			0 / 0	--	--	--	PREPARED SPACE	30
31 PREPARED SPACE	--	--	--	0 / 0			--	--	--	PREPARED SPACE	32
33 PREPARED SPACE	--	--	--		0 / 0		--	--	--	PREPARED SPACE	34
35 PREPARED SPACE	--	--	--			0 / 0	--	--	--	PREPARED SPACE	36
37 PREPARED SPACE	--	--	--	0 / 0			--	--	--	PREPARED SPACE	38
39 PREPARED SPACE	--	--	--		0 / 0		--	--	--	PREPARED SPACE	40
41 PREPARED SPACE	--	--	--			0 / 0	--	--	--	PREPARED SPACE	42
				3700 VA	5813 VA	5458 VA					
				13 A	22 A	21 A					
Load Classification	Connected Load			Demand Factor	Estimated Demand		Panel Totals				
LIGHTING	3670 VA			100.00%	3670 VA						
Other	11238 VA			100.00%	11238 VA						
							Total Conn. Load: 14970 VA				
							Total Est. Demand: 14970 VA				
							Total Connected Load (Amps): 18 A				
							Total Est. Demand Load (Amps): 18 A				



TRAFFIC MEMORANDUM

To: Village of Arlington Heights

From: Lesley Netzer
Kimley-Horn and Associates, Inc.

Date: August 8, 2019 and Interior

Re: ***Parking Lot Alterations and Interior buildout
1501 Shure Drive
Arlington Heights, Illinois***

Introduction

Kimley-Horn and Associates, Inc., serves as the engineering consultant for a tenant who will be the tenant occupying the 1501 Shure Drive building. The building will be primarily used for training operations as well as a backup operating facility. Site improvements including new access points, security fence, sanitary and storm improvements, new site lighting, and landscaping.

Hours of Operation

The tenant backup facility will serve a couple of purposes: 1) training facility and 2) backup network operations in the event that their existing operation centers are not functioning (requirement per FAA standards). With regards to the training facility, the times and days will vary, but it is anticipated that training activities will occur a couple of weeks throughout the month, 2-3 days per week. The timing of the training would occur during normal business hours, 8am-5pm. If the backup facility is needing to be in use, the facility would be open 24 hours. See Backup Network Shift Changes attachment for the employee count and shift changes at the various times throughout the day.

Site Signage

Tenant site signage at entrances has been eliminated from the proposed plans. Reference the civil final engineering plan set for revised entrances without signs.

Internal Traffic Control

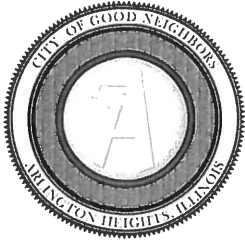
The plans propose installation of a new sidewalk along the entire front/west side of the building from Shure Drive to Cellular Drive. Where the sidewalk intersects access drives, appropriate ramps, crosswalks and pedestrian crossing signage is noted to be installed. At the southwest exit only, appropriate "Do Not Enter" signage is proposed along Cellular Drive with pavement arrows directing onsite traffic.

Access Design

There are four (4) proposed access points to the 1501 Shure Drive property. As part of this project, the existing access on Shure Drive will be closed and a new access point is proposed further east. Additionally, three (3) access points are proposed off Shure Drive. The southwest access point is purely an exit only and will be signed and striped accordingly. The other three access points will have key card entry gates and proposed guardhouses. The guardhouses will only have security people when the backup operations facility is in use. At all other times, electronic key card entry is required. If there are issues with the key card, or access is denied, a turnaround with median is provided so drivers can exit the facility easily without blocking the entry.

Attachments

- Backup Network Shift Changes



Village of Arlington Heights Building & Life Safety Department

Interoffice Memorandum

To: Sam Hubbard, Development Planner, Planning and Community Development

From: Deb Pierce, Plan Reviewer, Building & Life Safety Department

Subject: 1501 W Shure Dr – Northwest Crossings PUD Amendment –
PUD Amendment, Variations

PC#: 19-011 – Round 1

Date: July 17, 2019

Sam –

No comments at this time.

RECEIVED

JUL 18 2019

PLANNING & COMMUNITY
DEVELOPMENT DEPARTMENT



**Village of Arlington Heights, IL
Building & Life Safety Department**

Fire Safety Review

Date: 7/16/2019

P.C. Number: 19-011

Project Name: Northwest Crossings PUD Amendment –

Project Location: 1501 W. Shure Drive

Planning Department Contact: Sam Hubbard, Planning and Community Development

General Comments:

The information provided is conceptual only and subject to a formal plan review.

1. Any work proposed shall not interfere with the ability of fire apparatus to negotiate the parking lanes. An auto-turn drawing will be required to be submitted and will be reviewed during the permit process.

Date 07-16-19

Reviewed By: 

Fire Safety Supervisor/Fire Marshal

**Village of Arlington Heights
Public Works Department**

Memorandum

To: Sam Hubbard, Planning & Community Development
From: Cris Papierniak, Assistant Director of Public Works
Date: July 24, 2019
Subject: 1501 W Shure Drive P.C. #19-011

With regard to the proposed PUD Amendment, I have the following comments:

- 1) The addition is acceptable from the Public Works perspective.

If you have any questions, please feel free to contact me.

C. file

RECEIVED
JUL 25 2019
PLANNING & COMMUNITY
DEVELOPMENT DEPARTMENT

ENGINEERING DEPARTMENT

3

PETITIONER'S APPLICATION - ARLINGTON HEIGHTS PLAN COMMISSION

Petition #: P.C. 19-011
 Petitioner: TNC Lot 1, LLC
c/o Torburn Partners, Inc.
1033 Skokie Blvd., Ste. 480, Northbrook, IL 60062
 Owner: TNC Lot 1, LLC
c/o Torburn Partners, Inc.
1033 Skokie Blvd., Ste 480, Northbrook, IL 60062
 Contact Person: Adam Keldermans
 Address: 1033 Skokie Boulevard, Ste 480
Northbrook, IL 60062
 Phone #: (847) 562-1616
 Fax #: N/A
 E-Mail: akeldermans@torburn.com

P.I.N.# 03-07-100-022-0000
 Location: 1501 W. Shure Drive
 Rezoning: N/A Current: Proposed:
 Subdivision: N/A
 # of Lots: Current: Proposed:
 PUD: Amendment For: Site plan modification
 Special Use: N/A For: N/A
 Land Use Variation: N/A For: N/A
 Land Use: Commercial Current: Commercial
 Proposed: Commercial
 Site Gross Area: 21.986 Acres/957,688 sf
 # of Units Total: N/A
 1BR: 2BR: 3BR: 4BR:

(Petitioner: Please do not write below this line.)

1. PUBLIC IMPROVEMENTS

REQUIRED: YES NO COMMENTS

- a. Underground Utilities
 Water NO
 Sanitary Sewer NO
 Storm Sewer NO
 b. Surface Improvement
 Pavement NO
 Curb & Gutter NO
 Sidewalks NO
 Street Lighting NO
 c. Easements
 Utility & Drainage NO
 Access NO

2. PERMITS REQUIRED OTHER THAN VILLAGE:

- a. MWRDGC X b. IDOT
 c. ARMY CORP d. IEPA
 e. CCHD

3. R.O.W. DEDICATIONS?
 4. SITE PLAN ACCEPTABLE?
 5. PRELIMINARY PLAT ACCEPTABLE?
 6. TRAFFIC STUDY ACCEPTABLE?
 7. STORM WATER DETENTION REQUIRED? X
 8. CONTRIBUTION ORDINANCE EXISTING?
 9. FLOOD PLAIN OR FLOODWAY EXISTING?
 10. WETLAND EXISTING?

YES	NO	COMMENTS
<u> </u>	<u>X</u>	<u> </u>
<u> </u>	<u>X</u>	<u> </u>
<u> </u>	<u> </u>	<u>N/A</u>
<u> </u>	<u> </u>	<u>N/A</u>
<u>X</u>	<u> </u>	<u> </u>
<u> </u>	<u>X</u>	<u> </u>
<u> </u>	<u>X</u>	<u> </u>
<u> </u>	<u>X</u>	<u> </u>

GENERAL COMMENTS ATTACHED

PLANS PREPARED BY: KIMLEY-HORN
 DATE OF PLANS: JULY 1, 2019

Michael J. [Signature]
 Director
 Village Engineer

7/31/19
 Date

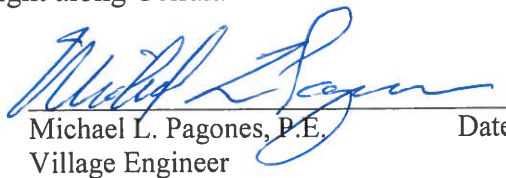
PLAN COMMISSION PC #19-011
Northwest Crossings
1501 W Shure Dr
PUD Amendment, Variations
Round 1

11. The petitioner is notified that these comments are being provided to ensure that the project meets the requirements for submittal to the Plan Commission. Approval by the Plan Commission is not an endorsement or approval of these documents to obtain the required building permits, engineering approval, or permits required by other government or permitting agencies for construction. Detailed plan review with associated comments will be provided upon submittal of plans for a building permit. The petitioner shall acknowledge that they accept this understanding.
12. Final engineering plans shall be georeferenced by using State Plane Coordinate System – Illinois East. Below are details about projection:

Projected Coordinate System:	NAD_1983_StatePlane_Illinois_East_FIPS_1201_Feet
Projection:	Transverse_Mercator
False_Easting:	984250.00000000
False_Northing:	0.00000000
Central_Meridian:	-88.33333333
Scale_Factor:	0.99997500
Latitude_Of_Origin:	36.66666667
Linear Unit:	Foot_US
Geographic Coordinate System:	GCS_North_American_1983
Datum:	D_North_American_1983
Prime Meridian:	Greenwich
Angular Unit:	Degree

13. A revised storm water report has been submitted to the Metropolitan Water Reclamation District (MWRD) as a revision to the existing approved MWRD Permit NO. 18-369, and the petitioner has submitted for a building permit for the Northwest Crossings improvements, Village permit no. 19-1710. The building permit will not be issued until the MWRD permit is received. Any revisions necessary can be addressed at permit.
14. When on-site lighting is proposed, provide a site photometric lighting diagram indicating lighting intensities. Also provide the associated catalog cuts for all roadway, parking lot, and building mounted luminaires. Provide mounting heights for exterior pole mounted fixtures. All fixtures must be flat bottom, sharp cut-off, and no wall pack style fixtures will be permitted. This can be addressed at permit.
15. To verify that there are no conflicts with the new access points, provide an exhibit to engineering scale showing the turning path of the Fire Department's responding vehicle, in this case the tower truck. Exhibit must show front and rear wheel paths and the extent of the front and rear overhangs, as provided in an "Autoturn" exhibit. The vehicle shall be shown maneuvering through the site in all possible directions of travel. The exhibit shall include all phases. This can be addressed at permit.
16. New fire lanes adjacent to buildings must have a minimum pavement width as directed by the Fire Department to accommodate the tower truck's outriggers. Fire lanes require a heavy duty pavement section. Asphalt pavement section to consist of: 2" Surface, 2-1/4" N-50 Binder, 5" N-50 Binder, and 4" CA-6 Stone Subbase. Concrete driveway apron to be 8" thick. This can be addressed at permit.

17. The variation asking that a parking analysis and traffic study be waived is understood. However a technical memorandum addressing the following site parameters, at a minimum, is necessary:
- a.) Is the timeframe for work hours going to be a standard 8:00 a.m. – 5:00 p.m. work day, or will this facility accommodate shift work?
 - b.) Entrance Gateway and site guidance signage plans must clearly show placement, sign heights, and locations.
 - c.) Internal traffic control, (stop, fire lane, pedestrian crossing, etc.) signage plan should be included.
 - d.) Explanation of driveway entrance/exit operation around the median designs and gated entrance and exit must be provided.
18. The placement of the 8 foot high ornamental fence along the south property is in a position that will negatively impact motorist required line of sight along Cellular Drive.

 7-31-19
Michael L. Pagones, P.E. Date
Village Engineer



Arlington Heights Fire Department Plan Review Sheet

P. C. Number 19-011

Project Name

Northwest Crossing-

Project Location

1501 W. Shure Drive

Planning Department Contact Sam Hubbard

General Comments

Round 1

General Comments:

- 1) Please provide a map showing hydrant locations.
- 2) A Knox Box shall be located at the main front entrance. An additional Knox Box shall located at the sprinkler control room if it has a different exterior entrance.
- 3) The Fire department requests an auto-turn diagram using Tower Ladder 131 showing the ability to enter/exit and navigate the parking lot.

**NOTE: PLAN IS CONCEPTUAL ONLY
SUBJECT TO DETAILED PLAN REVIEW**

Date July 24, 2019

Reviewed By: LT. Mark Aleckson

Arlington Heights Fire Department

ARLINGTON HEIGHTS POLICE DEPARTMENT

Community Services Bureau

DEPARTMENT PLAN REVIEW SUMMARY

Northwest Crossings PUD
1501 W Shure Dr.

Round 1 Review Comments

07/18/2019

1. **Character of use:**
The character of use should not be problematic.
2. **Are lighting requirements adequate?**
Lighting should be up to Village of Arlington Heights Code. Special attention should be given to those outside common areas- ie parking lot. Landscaping must not create hiding locations and should provide for natural surveillance.
3. **Present traffic problems?**
There are no traffic problems at this location.
4. **Traffic accidents at particular location?**
This is not a problem area in relation to traffic accidents.
5. **Traffic problems that may be created by the development.**
This development should not create any traffic problems.
6. **General comments:**
-Please ensure that there is an emergency information/contact card on file with the Arlington Heights Police Department and that it is up-to-date. Agent contact information must be provided to the Arlington Heights Police Department during all construction phases. The form is attached. Please complete and return. This allows police department personnel to contact an agent during emergency situations or for suspicious/criminal activity on the property during all hours.

RECEIVED
JUL 18 2019
PLANNING & COMMUNITY
DEVELOPMENT DEPARTMENT

A. Ovington #330
Alexandra Ovington, Crime Prevention Officer
Community Services Bureau

D. Hajek #557
Doug Hajek, Sergeant
Community Services Bureau

Arlington Heights Police Department

Emergency Information Card

1. Fill in all information by tabbing to each field.
2. When completed, save the form and send as an attachment to: policemail@vah.com.

Arlington Heights Police Department
200 E. Sigwalt Street
Arlington Heights, IL 60005-1499
Phone: 847/368-5300

Completed forms may also be printed and submitted in the following manner:

By Mail: Arlington Heights Police Department
200 E. Sigwalt Street, Arlington Heights, IL. 60005
Attention: Police Administration

By Fax: (847) 368-5970 - Attention: Police Administration

In Person: Dropped off at the Arlington Heights Police Department's front desk for forwarding to Police Administration.

[Print Form \(To Mail\)](#)

Name (Firm or Residence)

Address/City

Telephone Number

Date Information Obtained

IN CASE OF EMERGENCY PLEASE CALL:

Contact #1

Name

Address/City

Telephone Number

Cell Number

Contact #2

Name

Address/City

Telephone Number

Cell Number

Alarm System

☐ No

☐ Yes

Phone number:

Alarm Company Name

HEALTH SERVICES DEPARTMENT

6

PETITIONER'S APPLICATION - ARLINGTON HEIGHTS PLAN COMMISSION

Petition #: P.C. <u>19-011</u>	P.I.N.# <u>03-07-100-022-0000</u>
Petitioner: <u>TNC Lot 1, LLC</u>	Location: <u>1501 W. Shure Drive</u>
<u>c/o Torburn Partners, Inc.</u>	Rezoning: <u>N/A</u> Current: <u> </u> Proposed: <u> </u>
<u>1033 Skokie Blvd., Ste. 480, Northbrook, IL 60062</u>	Subdivision: <u> </u> <u>N/A</u>
Owner: <u>TNC Lot 1, LLC</u>	# of Lots: <u> </u> Current: <u> </u> Proposed: <u> </u>
<u>c/o Torburn Partners, Inc.</u>	PUD: <u>Amendment</u> For: <u>Site plan modification</u>
<u>1033 Skokie Blvd., Ste 480, Northbrook, IL 60062</u>	Special Use: <u>N/A</u> For: <u>N/A</u>
Contact Person: <u>Adam Keldermans</u>	Land Use Variation: <u>N/A</u> For: <u>N/A</u>
Address: <u>1033 Skokie Boulevard, Ste 480</u>	Land Use: <u>Commercial</u> Current: <u>Commercial</u>
<u>Northbrook, IL 60062</u>	Proposed: <u>Commercial</u>
Phone #: <u>(847) 562-1616</u>	Site Gross Area: <u>21,986 Acres/957,688 sf</u>
Fax #: <u>N/A</u>	# of Units Total: <u>N/A</u>
E-Mail: <u>akeldermans@torburn.com</u>	1BR: <u> </u> 2BR: <u> </u> 3BR: <u> </u> 4BR: <u> </u>

(Petitioner: Please do not write below this line.)

1. GENERAL COMMENTS:

No comments at this time.

RECEIVED

JUL 23 2019

PLANNING & COMMUNITY
DEVELOPMENT DEPARTMENT

Sean Freres, LEHP 7/22/19
Environmental Health Officer Date

James McCalister 7/22/19 Direc
tor Date

PLANNING & COMMUNITY DEVELOPMENT DEPARTMENT

7

PETITIONER'S APPLICATION - ARLINGTON HEIGHTS PLAN COMMISSION

Petition #: P.C. 19-011
 Petitioner: TNC Lot 1, LLC
c/o Torburn Partners, Inc.
1033 Skokie Blvd., Ste. 480, Northbrook, IL 60062
 Owner: TNC Lot 1, LLC
c/o Torburn Partners, Inc.
1033 Skokie Blvd., Ste. 480, Northbrook, IL 60062
 Contact Person: Adam Keldermans
 Address: 1033 Skokie Boulevard, Ste 480
Northbrook, IL 60062
 Phone #: (847) 562-1616
 Fax #: N/A
 E-Mail: akeldermans@torburn.com

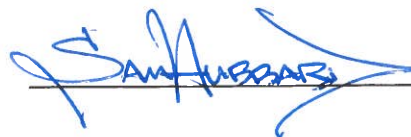
P.I.N.# 03-07-100-022-0000
 Location: 1501 W. Shure Drive
 Rezoning: N/A Current: Proposed:
 Subdivision: N/A
 # of Lots: Current: Proposed:
 PUD: Amendment For: Site plan modification
 Special Use: N/A For: N/A
 Land Use Variation: N/A For: N/A
 Land Use: Commercial Current: Commercial
 Proposed: Commercial
 Site Gross Area: 21,986 Acres/957,688 sf
 # of Units Total: N/A
 1BR: 2BR: 3BR: 4BR:

(Petitioner: Please do not write below this line.)

- | | <u>YES</u> | <u>NO</u> | |
|----|---------------|---------------|---|
| 1. | <u>X</u> | <u> </u> | COMPLIES WITH COMPREHENSIVE PLAN? |
| 2. | <u>X</u> | <u> </u> | COMPLIES WITH THOROUGHFARE PLAN? |
| 3. | <u>X</u> | <u> </u> | VARIATIONS NEEDED FROM ZONING REGULATIONS?
(See below.) |
| 4. | <u> </u> | <u>X</u> | VARIATIONS NEEDED FROM SUBDIVISION REGULATIONS?
(See below.) |
| 5. | <u> </u> | <u>X</u> | SUBDIVISION REQUIRED? |
| 6. | <u> </u> | <u>X</u> | SCHOOL/PARK DISTRICT CONTRIBUTIONS REQUIRED?
(See below.) |

Comments:

PLEASE SEE ATTACHED COMMENTS



7.30.19

Date



Planning & Community Development Dept. Review

July 30, 2019

REVIEW ROUND 1

Project: 1501 Shure Dr.
Northwest Crossings PUD Amendment –

Case Number: PC 19-011

General:

7. The Plan Commission must review and approve the following actions:
 - a) Amendment to Amendment to PUD Ordinance 88-60, 15-016, and 15-040 to allow certain modifications to the approved development plan.
 - b) Section 6.13-3a, Front Yard, to allow a 8' tall open fence with sharp points, a 17.3' tall solid fence enclosing a mechanical unit, and a 6' tall solid fence enclosing certain gas meters, all in a front yard.
 - c) Section 6.13-3b, Side and Rear Yards, to allow a 8' tall open fence in a side yard and a 8' tall solid fence in a side yard.
 - d) Section 6.13-3b.2, Corner Lot, to allow an 8-foot tall open fence and a 17.3' tall solid fence enclosing a mechanical unit in a rear yard.
 - e) Section 6.13-3c.1, Exterior Side Yards, to allow an 8-foot tall open fence in an exterior side yard.
 - f) Section 6.12-1, to waive the requirement for a traffic and parking study prepared by a qualified professional engineer.
 - g) Section 6.6-5.1, Table of Permitted Obstructions, to allow Central Air Conditioning Units to be setback ___ feet from a side property line where code requires a 97.4' setback (10% of lot width).
 - h) Section 6.5-2, to allow certain accessory structures (guard houses) within a front yard and to allow five accessory structures on the subject property where only four are allowed.
 - i) Section 10.2-9, Access, to allow certain driveway entrances in excess of the maximum allowable driveway width of 36'.
8. Please revise the project narrative to include information on any green features/sustainable design elements that will be included as part of the site and interior upgrades. If none are proposed, please state such in the narrative. Additionally, please revise the narrative to include information on the estimated number of employees in each phase and the anticipated hours of operation.
9. Please provide a photometric plan, as well as catalog cuts for all fixtures.
10. Please ensure that all revised plans submitted as a result of these first round comments include a revision date.

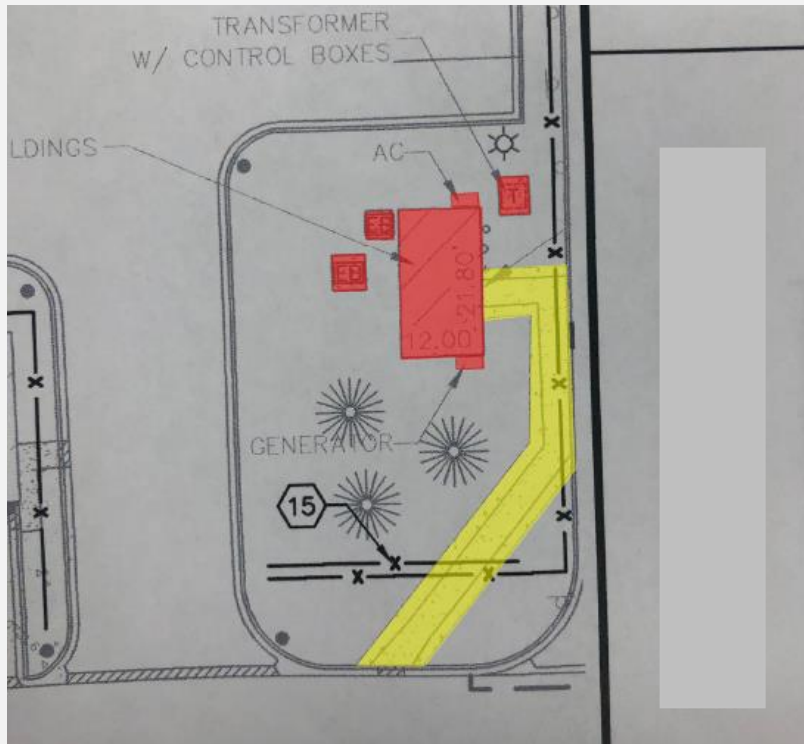
Architectural Plans:

11. Please provide a copy of sheet's A01-14 and A01-15 as a part of this application and confirm that the work depicted on these sheets is what is proposed as part of this application. Additionally, it is noted that sheet A01-14 depicts a 8' tall chainlink fence with slats around the transformer adjacent to the northern generator enclosure. This fence is not shown on the site plans or landscape plans. Please clarify if this fence is proposed. If so, a variation must be requested. If this fence is not proposed, please revise said plan.
12. The generator, gas meter, and condenser units enclosure walls as depicted on sheet A01-14 require a variation. Staff is supportive of said variations, however, please update the response to the standards of review for proposed variations accordingly.

13. The proposed guardhouses are accessory structures and therefore require variations for location and number. Please revise the standards of review for proposed variations accordingly. Please provide a detail for said guardhouses.
14. The elevations show 11 loading docks/overhead doors on the southern elevation of the building, however, the site plan only shows 10. Please clarify and revise the plans accordingly. In addition, the proposed generator on the southern elevation will be built in front of two overhead doors, cutting off access to these doors. Are the overhead doors proposed to remain?
15. On sheet A02-00B, please clearly delineate what arears are included in Phase I and Phase II and add the total square footage included within each phase (total square footage should match value of 195,300 sq. ft. as shown on the other plans).
16. Where does the stairwell (Stair 6261) on sheet A02-01F lead? To a basement? Roof access? If the stairwell leads to any area other than the roof, please provide a floorplan for that area and update the total building square footage to include said area.

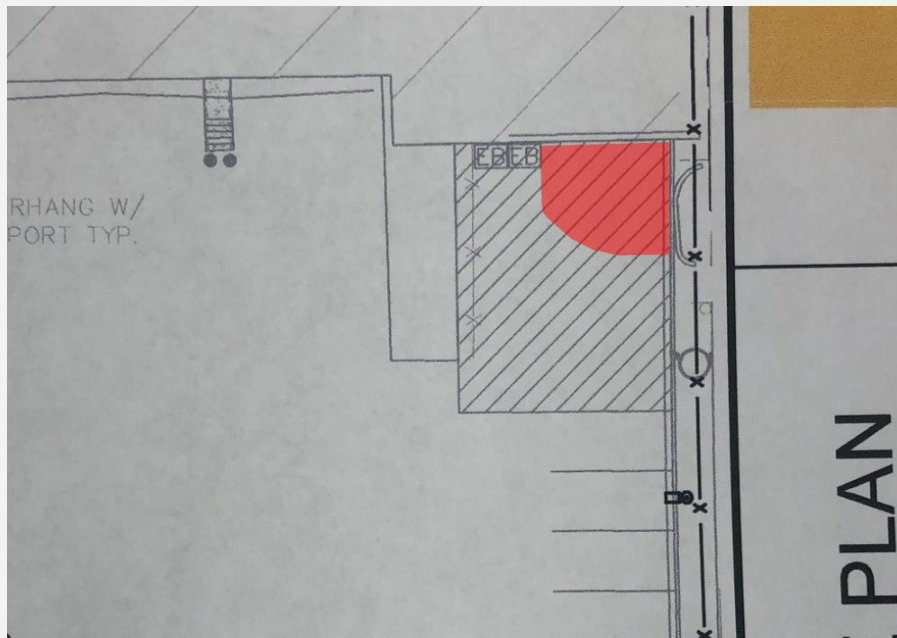
Site Plans:

17. It appears a variation is necessary for the proposed condenser units on the eastern side of the building. Please update sheet A01-14 to include a dimension showing the distance of the closest unit to the eastern property line. Per code requirements, all condenser units must be setback 10% of the lot width from the side yard property line. Staff is supportive of said variation, however, please revise the response to the standards of review for proposed variations accordingly.
18. Three of the new driveway entrances exceed the maximum allowable width of 36' and therefore a variation is required. Staff is supportive of said variation, however, please revise the response to the standards of review for proposed variations accordingly.
19. The proposed guard houses are classified as accessory structures and therefore require a variation due to location (in a front yard) and number. Staff is supportive of said variations, however, please revise the response to the standards of review for proposed variations accordingly.
20. Please clarify the direction of travel for the southwestern most drive aisle. Is it one-way in? One-way out?
21. Will the southern generator enclosure have only two walls (east, north)? The western wall appears to be missing from the site and landscape plans.
22. The improvements in the southwestern corner of the site (shown in red on the graphic on the next page) have been removed. Since the security fence will traverse this area, there is no need for the existing sidewalk (as shown in yellow in the graphic). Please remove said sidewalk and update the site and landscape plans accordingly. Additional landscaping should be installed in this area, and landscaping should be installed on the south side of the proposed fence.



Landscaping:

23. The landscaping to the north of the fence by Shure Drive should be installed as part of Phase I. Please revise the landscape plans accordingly.
24. Foundation plantings should be added to the north side of the building as part of Phase II, which was a condition of approval from Ordinance 15-040.
25. You are encouraged to add an additional landscape island in the southeast are of the side, as approximately shown on below in red:



Prepared by: SAM/ALBERT

Northwest Crossings PUD Amendment
1501 W. Shure Drive
PC #19-011
July 30, 2019

Landscape Comments

- 1) Per Chapter 28, Section 6.15, a landscape island that includes a shade tree that is a minimum of 4 inch caliper in size shall be located at the end of every 20 parking spaces. In addition, these islands shall be located at the end of all parking rows. Please incorporate the islands and shade trees where they are absent.
- 2) Per Chapter 28, Section 6.15-1.2a, a three foot high screen must be provided along the perimeter adjacent to the parking area in order to screen the parking/paved areas. Increase the size of the proposed shrubs so that they are a minimum of 3 foot high at time of installation. The plant material must be salt and drought tolerant. Provide the 3 foot high screen in the southeast corner along Cellular Drive.
- 3) Incorporate foundation plantings along the south elevation. In addition provide additional foundation landscaping along the north elevation.
- 4) A landscape compliance bond in the amount of 30% of the landscaping costs is required at time of building permit. Please provide an estimate of the landscape costs.



August 23, 2019

Village of Arlington Heights
Building Department
33 S Arlington Heights Road
Arlington Heights, IL 60005

**Re: Parking Lot Alterations and Interior Buildouts (1501 W. Shure Dr)
 Arlington Heights, IL 60004
 P.C. Number: 19-011**

We reviewed the comments sent on August 20 via email regarding the parking lot and interior buildout at 1501 W Shure Drive. The following are our responses to those comments. Please note the project name has been changed to Parking Lot Alterations and Interior Buildout.

Fire Safety Division:

1. *Fire Hydrant and Fire Lane Access drawings noted. No additional comments.*

Response: Comment noted.

Plan Commission Comments:

19. *The petitioner's response to Comment Nos. 11, 12, 13 & 14 is acceptable.*

Response: Comment noted.

20. *The petitioner's response to Comment No. 15 is noted. An exhibit showing fire truck access to the Phase 2 parking lot shall be provided. This can be addressed at permit.*

Response: An exhibit showing the fire truck routing for the Phase 2 parking lot is included in this submittal.

21. *The petitioner's response to Comment No. 16 is noted. The fire lane for the Phase 2 parking lot shall be a heavy duty pavement section. This can be addressed at permit.*

Response: The fire lane for the Phase 2 parking lot is now heavy duty pavement.

22. *The petitioner's Response to Comment No. 17 is noted. Regarding the proposed gated entrances, the Fire Department shall have 24/7 access. Knox box access to gate swipe cards, facility keys and interior swipe cards (if used) will be necessary.*

Response: The rolling gates remain open while the BNOC is not in use and security gate arms can be activated by Security Staff who will be on-site 24/7. In addition to this, knox

boxes will be located at all gate entries into the site to enable access to the site. Knox boxes are also located at the Main Entry and Fire Pump Room for access into the interior of the building.

23. *The petitioner's response to Comment No. 18 is acceptable.*

Response: Comment noted.

Fire Department Comments:

1. *The Fire Department Connection shall be located at the main front entrance. It shall be fully visible and accessible and within 100 feet of the nearest accessible fire hydrant capable of delivering the required flow.*

Response: When the 1421 and 1501 improvements watermain improvements were completed in the last couple years, an FDC and new watermain were located at the northwest corner of the building as part of the northern building demo to 1501 Shure. A fire hydrant is located approximately 120' from that FDC location. That FDC location is located adjacent to a building access point that will have all appropriate access keys in a knox box. In order to provide a new FDC connection a new fire line would be required to be installed across the entire building and is not part of the buildout scope of these improvements.

2. *The building will be sprinkled.*

Response: Confirmed.

3. *Fire Department access through the security gates needs to be addressed.*

Response: The rolling gates remain open while the BNOC is not in use and security gate arms can be activated by Security Staff who will be on-site 24/7.

4. *Install a fully operational annunciator panel or alarm panel at the main front entrance.*

Response: Fully operational alarm panel will be installed at the front entrance.

5. *The auto-turn diagram we received appears to be problematic with the space allowed for turning the apparatus. The Fire Department would like to work with the contractor to address this issue.*

Response: The south accesses have been received per markups by Deputy Chief Pete Ahlman received from Nanci Julius on August 22, 2019. These changes allow additional space for the fire truck to access the site.

Department Plan Review Summary:

1. Round 2, no further comments.

Response: Comment noted.

Planning and Community Development Comments:

26. The responses to comments #8-10, #12-14, and #16-25 are acceptable.

Response: Comment noted.

27. The response to comment #7 is noted. The requested approvals have been adjusted accordingly:
 - a. Amendment to PUD Ordinance 88-60, 15-016, and 15-040 to allow certain modifications to the approved development plan.
 - b. Variation to Chapter 28, Section 6.13-3a, Front Yard, to allow a 8' tall open fence with sharp points, a 17.3' tall solid fence enclosing a mechanical unit, and a 6' tall solid fence enclosing certain gas meters, all in a front yard.
 - c. Variation to Chapter 28, Section 6.13-3b, Side and Rear Yards, to allow a 8' tall open fence in a side yard and a 8' tall solid fence in a side yard.
 - d. Variation to Chapter 28, Section 6.13-3b.2, Corner Lot, to allow an 8-foot tall open fence and a 17.3' tall solid fence enclosing a mechanical unit in a rear yard.
 - e. Variation to Chapter 28, Section 6.13-3c.1, Exterior Side Yards, to allow an 8-foot tall open fence in an exterior side yard.
 - f. Variation to Chapter 28, Section 6.12-1, to waive the requirement for a traffic and parking study prepared by a qualified professional engineer.
 - g. Variation to Chapter 28, Section 6.6-5.1, Table of Permitted Obstructions, to allow Central Air Conditioning Units to be setback 8.5 feet from a side property line where code requires a 97.4' setback.
 - h. Variation to Chapter 28, Section 6.5-2, to allow certain accessory structures (guard houses) within a front yard and to allow five accessory structures on the subject property where only four are allowed.
 - i. Variation to Chapter 28, Section 10.2-9, Access, to allow certain driveway entrances in excess of the maximum allowable driveway width of 36'.
 - j. Please note that based on your response to comment 11, additional language may need to be added to 8b and 8d above.

Response: Noted.

28. The response to comment #11 is noted. Chainlink fences are limited to 6 feet in height and slats are only allowed when a chainlink fence screens a dumpster enclosure. Therefore, the proposed 8' tall chainlink fence with slats that encloses the northern transformer is not allowed. It is recommended that the slats be removed and landscaping be reincorporated as originally proposed. Alternatively, a variation can be requested for the slats, or the fence can be removed and the generator enclosure walls can be extended to include the transformer on the north side of

the building. Finally, a fence has also been shown on sheet C3.2 enclosing the existing transformer on the south side of the building. Is this also proposed as an 8' tall chainlink fence with slats? Please provide details for said chainlink fence to determine if a variation is required. If a variation is required, please update the response to the standards of review for proposed variations accordingly.

Response: A variation for a proposed chainlink fence with slats at 8' in height will be requested.

29. *The response to comment #15 is noted. However, no line delineating Phase I work from Phase II work was added to the floor plans. Please clarify if the 68,253 sq. ft. Phase II area consists of the area that is hatched and labeled "Unoccupied Area" (4001) on sheet A02-00B.*

Response: Yes, a line has been added to Sheet A02-00B. And yes, the Phase II work is the unoccupied area of 68,253 SF.

Landscape Comments:

1. *Per Chapter 28, Section 6.15, a 4 inch caliper shade tree is required at the ends of all parking rows. Please incorporate 4 inch caliper shade trees in the islands on the south end along Cellular Drive. Also, incorporate shade trees in the center island north of the building at the ends of the parking row and within each of the proposed islands. In addition, please incorporate a shade tree at the south end of the parking row along the west side. A 4 inch caliper shade tree must be provided at the ends of all parking rows.*

Response: Shade trees have been provided at the ends of all parking rows except where conflicts with utilities exist. 4-inch caliper shade trees have been provided in the islands on the south end along Cellular Drive. One tree has been added, but the remainder of islands have light poles. Shade trees have been added where possible.

If you have any questions or require any additional information, please contact me at 630.487.5555.

Sincerely,

Kimley-Horn and Associates, Inc.



Lesley Netzer, P.E., Project Manager

Enclosures: Fire Truck Routing Exhibit
Fire Hydrant Map Exhibit
Final Engineering Plans
Traffic Technical Memo
Lighting and Photometric Plans
Architectural Sheets A01-14, A01-15, A02-00B, A02-01F, A10-01, G01-01
Traffic Memo



**Village of Arlington Heights
Department of Building & Life Safety**

Fire Safety Division

Date: 8/19/19 P.C. Number: 19-011

Project Name: Round 2

Project Location: 1501 W. Shure Drive

Planning Department Contact: Sam Hubbard

General Comments:

Fire Hydrant and Fire Lane Access drawings noted.
No additional comments.

P.D.

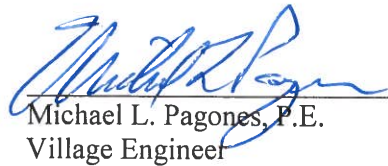
Reviewed By: _____

Date: _____

**PLAN COMMISSION PC #19-011
Northwest Crossings
1501 W Shure Dr
PUD Amendment, Variations
Round 2**

RECEIVED
AUG 20 2019
PLANNING & COMMUNITY
DEVELOPMENT DEPARTMENT

19. The petitioner's response to Comment Nos. 11, 12, 13 & 14 is acceptable.
20. The petitioner's response to Comment No. 15 is noted. An exhibit showing fire truck access to the Phase 2 parking lot shall be provided. This can be addressed at permit.
21. The petitioner's response to Comment No. 16 is noted. The fire lane for the Phase 2 parking lot shall be a heavy duty pavement section. This can be addressed at permit.
22. The petitioner's Response to Comment No. 17 is noted. Regarding the proposed gated entrances, the Fire Department shall have 24/7 access. Knox box access to gate swipe cards, facility keys and interior swipe cards (if used) will be necessary.
23. The petitioner's response to Comment No. 18 is acceptable.


Michael L. Pagones, P.E. 8/19/19
Village Engineer Date



Arlington Heights Fire Department Plan Review Sheet

P. C. Number 19-011

Project Name

Northwest Crossing-

Project Location

1501 W. Shure Drive

Planning Department Contact Sam Hubbard

General Comments

Round 2

General Comments:

- 1) The Fire Department Connection shall be located at the main front entrance. It shall be fully visible and accessible and within 100 feet of the nearest accessible fire hydrant capable of delivering the required flow.
- 2) The building will be sprinkled.
- 3) Fire Department access through the security gates needs to be addressed.
- 4) Install a fully operational annunciator panel or alarm panel at the main front entrance.
- 5) The auto-turn diagram we received appears to be problematic with the space allowed for turning the apparatus. The Fire Department would like to work with the contractor to address this issue.

**NOTE: PLAN IS CONCEPTUAL ONLY
SUBJECT TO DETAILED PLAN REVIEW**

Date August 16, 2019

Reviewed By: LT. Mark Aleckson

Arlington Heights Fire Department

ARLINGTON HEIGHTS POLICE DEPARTMENT

Community Services Bureau

DEPARTMENT PLAN REVIEW SUMMARY

Northwest Crossings PUD
1501 W Shure Dr.

Round 2 Review Comments

08/13/2019

1. **Character of use:**
Nothing further.
2. **Are lighting requirements adequate?**
Nothing further.
3. **Present traffic problems?**
Nothing further.
4. **Traffic accidents at particular location?**
Nothing further.
5. **Traffic problems that may be created by the development.**
Nothing further.
6. **General comments:**
Nothing further.

RECEIVED

AUG 14 2019

PLANNING & COMMUNITY
DEVELOPMENT DEPARTMENT

A.O. #330

Alexandra Ovington, Crime Prevention Officer
Community Services Bureau

D. Hajek #557

Doug Hajek, Sergeant
Community Services Bureau



Planning & Community Development Dept. Review

August 16, 2019

REVIEW ROUND 2

Project: 1501 Shure Dr.
Northwest Crossings PUD Amendment –

Case Number: PC 19-011

26. The responses to comments #8-10, #12-14, and #16-25 are acceptable.
27. The response to comment #7 is noted. The requested approvals have been adjusted accordingly:
- a) Amendment to PUD Ordinance 88-60, 15-016, and 15-040 to allow certain modifications to the approved development plan.
 - b) Variation to Chapter 28, Section 6.13-3a, Front Yard, to allow a 8' tall open fence with sharp points, a 17.3' tall solid fence enclosing a mechanical unit, and a 6' tall solid fence enclosing certain gas meters, all in a front yard.
 - c) Variation to Chapter 28, Section 6.13-3b, Side and Rear Yards, to allow a 8' tall open fence in a side yard and a 8' tall solid fence in a side yard.
 - d) Variation to Chapter 28, Section 6.13-3b.2, Corner Lot, to allow an 8-foot tall open fence and a 17.3' tall solid fence enclosing a mechanical unit in a rear yard.
 - e) Variation to Chapter 28, Section 6.13-3c.1, Exterior Side Yards, to allow an 8-foot tall open fence in an exterior side yard.
 - f) Variation to Chapter 28, Section 6.12-1, to waive the requirement for a traffic and parking study prepared by a qualified professional engineer.
 - g) Variation to Chapter 28, Section 6.6-5.1, Table of Permitted Obstructions, to allow Central Air Conditioning Units to be setback 8.5 feet from a side property line where code requires a 97.4' setback.
 - h) Variation to Chapter 28, Section 6.5-2, to allow certain accessory structures (guard houses) within a front yard and to allow five accessory structures on the subject property where only four are allowed.
 - i) Variation to Chapter 28, Section 10.2-9, Access, to allow certain driveway entrances in excess of the maximum allowable driveway width of 36'.
 - j) Please note that based on your response to comment 28, additional language may need to be added to 27b and 27d above.
28. The response to comment #11 is noted. Chainlink fences are limited to 6 feet in height and slats are only allowed when a chainlink fence screens a dumpster enclosure. Therefore, the proposed 8' tall chainlink fence with slats that encloses the northern transformer is not allowed. It is recommended that the slats be removed and landscaping be reincorporated as originally proposed. Alternatively, a variation can be requested for the slats, or the fence can be removed and the generator enclosure walls can be extended to include the transformer on the north side of the building. Finally, a fence has also been shown on sheet C3.2 enclosing the existing transformer on the south side of the building. Is this also proposed as an 8' tall chainlink fence with slats? Please provide details for said chainlink fence to determine if a variation is required. If a variation is required, please update the response to the standards of review for proposed variations accordingly.
29. The response to comment #15 is noted. However, no line delineating Phase I work from Phase II work was added to the floor plans. Please clarify if the 68,253 sq. ft. Phase II area consists of the area that is hatched and labeled "Unoccupied Area" (4001) on sheet A02-00B.

Prepared by: SAM JUREK

Northwest Crossings - PUD Amendment

1501 W. Shure Drive

PC #19-011

August 19, 2019

Landscape Comments

- 1) Per Chapter 28, Section 6.15, a 4 inch caliper shade tree is required at the ends of all parking rows. Please incorporate 4 inch caliper shade trees in the islands on the south end along Cellular Drive. Also, incorporate shade trees in the center island north of the building at the ends of the parking row and within each of the proposed islands. In addition, please incorporate a shade tree at the south end of the parking row along the west side. A 4 inch caliper shade tree must be provided at the ends of all parking rows.



August 23, 2019

Village of Arlington Heights
Building Department
33 S Arlington Heights Road
Arlington Heights, IL 60005

**Re: Parking Lot Alterations and Interior Buildouts (1501 W. Shure Dr)
Arlington Heights, IL 60004
P.C. Number: 19-011**

We reviewed the comments sent on August 20 via email regarding the parking lot and interior buildout at 1501 W Shure Drive. The following are our responses to those comments. Please note the project name has been changed to Parking Lot Alterations and Interior Buildout.

Fire Safety Division:

1. *Fire Hydrant and Fire Lane Access drawings noted. No additional comments.*

Response: Comment noted.

Plan Commission Comments:

19. *The petitioner's response to Comment Nos. 11, 12, 13 & 14 is acceptable.*

Response: Comment noted.

20. *The petitioner's response to Comment No. 15 is noted. An exhibit showing fire truck access to the Phase 2 parking lot shall be provided. This can be addressed at permit.*

Response: An exhibit showing the fire truck routing for the Phase 2 parking lot is included in this submittal.

21. *The petitioner's response to Comment No. 16 is noted. The fire lane for the Phase 2 parking lot shall be a heavy duty pavement section. This can be addressed at permit.*

Response: The fire lane for the Phase 2 parking lot is now heavy duty pavement.

22. *The petitioner's Response to Comment No. 17 is noted. Regarding the proposed gated entrances, the Fire Department shall have 24/7 access. Knox box access to gate swipe cards, facility keys and interior swipe cards (if used) will be necessary.*

Response: The rolling gates remain open while the BNOC is not in use and security gate arms can be activated by Security Staff who will be on-site 24/7. In addition to this, knox

boxes will be located at all gate entries into the site to enable access to the site. Knox boxes are also located at the Main Entry and Fire Pump Room for access into the interior of the building.

23. *The petitioner's response to Comment No. 18 is acceptable.*

Response: Comment noted.

Fire Department Comments:

1. *The Fire Department Connection shall be located at the main front entrance. It shall be fully visible and accessible and within 100 feet of the nearest accessible fire hydrant capable of delivering the required flow.*

Response: When the 1421 and 1501 improvements watermain improvements were completed in the last couple years, an FDC and new watermain were located at the northwest corner of the building as part of the northern building demo to 1501 Shure. A fire hydrant is located approximately 120' from that FDC location. That FDC location is located adjacent to a building access point that will have all appropriate access keys in a knox box. In order to provide a new FDC connection a new fire line would be required to be installed across the entire building and is not part of the buildout scope of these improvements.

2. *The building will be sprinkled.*

Response: Confirmed.

3. *Fire Department access through the security gates needs to be addressed.*

Response: The rolling gates remain open while the BNOC is not in use and security gate arms can be activated by Security Staff who will be on-site 24/7.

4. *Install a fully operational annunciator panel or alarm panel at the main front entrance.*

Response: Fully operational alarm panel will be installed at the front entrance.

5. *The auto-turn diagram we received appears to be problematic with the space allowed for turning the apparatus. The Fire Department would like to work with the contractor to address this issue.*

Response: The south accesses have been received per markups by Deputy Chief Pete Ahlman received from Nanci Julius on August 22, 2019. These changes allow additional space for the fire truck to access the site.

Department Plan Review Summary:

1. Round 2, no further comments.

Response: Comment noted.

Planning and Community Development Comments:

26. The responses to comments #8-10, #12-14, and #16-25 are acceptable.

Response: Comment noted.

27. The response to comment #7 is noted. The requested approvals have been adjusted accordingly:
 - a. Amendment to PUD Ordinance 88-60, 15-016, and 15-040 to allow certain modifications to the approved development plan.
 - b. Variation to Chapter 28, Section 6.13-3a, Front Yard, to allow a 8' tall open fence with sharp points, a 17.3' tall solid fence enclosing a mechanical unit, and a 6' tall solid fence enclosing certain gas meters, all in a front yard.
 - c. Variation to Chapter 28, Section 6.13-3b, Side and Rear Yards, to allow a 8' tall open fence in a side yard and a 8' tall solid fence in a side yard.
 - d. Variation to Chapter 28, Section 6.13-3b.2, Corner Lot, to allow an 8-foot tall open fence and a 17.3' tall solid fence enclosing a mechanical unit in a rear yard.
 - e. Variation to Chapter 28, Section 6.13-3c.1, Exterior Side Yards, to allow an 8-foot tall open fence in an exterior side yard.
 - f. Variation to Chapter 28, Section 6.12-1, to waive the requirement for a traffic and parking study prepared by a qualified professional engineer.
 - g. Variation to Chapter 28, Section 6.6-5.1, Table of Permitted Obstructions, to allow Central Air Conditioning Units to be setback 8.5 feet from a side property line where code requires a 97.4' setback.
 - h. Variation to Chapter 28, Section 6.5-2, to allow certain accessory structures (guard houses) within a front yard and to allow five accessory structures on the subject property where only four are allowed.
 - i. Variation to Chapter 28, Section 10.2-9, Access, to allow certain driveway entrances in excess of the maximum allowable driveway width of 36'.
 - j. Please note that based on your response to comment 11, additional language may need to be added to 8b and 8d above.

Response: Noted.

28. The response to comment #11 is noted. Chainlink fences are limited to 6 feet in height and slats are only allowed when a chainlink fence screens a dumpster enclosure. Therefore, the proposed 8' tall chainlink fence with slats that encloses the northern transformer is not allowed. It is recommended that the slats be removed and landscaping be reincorporated as originally proposed. Alternatively, a variation can be requested for the slats, or the fence can be removed and the generator enclosure walls can be extended to include the transformer on the north side of

the building. Finally, a fence has also been shown on sheet C3.2 enclosing the existing transformer on the south side of the building. Is this also proposed as an 8' tall chainlink fence with slats? Please provide details for said chainlink fence to determine if a variation is required. If a variation is required, please update the response to the standards of review for proposed variations accordingly.

Response: A variation for a proposed chainlink fence with slats at 8' in height will be requested.

29. *The response to comment #15 is noted. However, no line delineating Phase I work from Phase II work was added to the floor plans. Please clarify if the 68,253 sq. ft. Phase II area consists of the area that is hatched and labeled "Unoccupied Area" (4001) on sheet A02-00B.*

Response: Yes, a line has been added to Sheet A02-00B. And yes, the Phase II work is the unoccupied area of 68,253 SF.

Landscape Comments:

1. *Per Chapter 28, Section 6.15, a 4 inch caliper shade tree is required at the ends of all parking rows. Please incorporate 4 inch caliper shade trees in the islands on the south end along Cellular Drive. Also, incorporate shade trees in the center island north of the building at the ends of the parking row and within each of the proposed islands. In addition, please incorporate a shade tree at the south end of the parking row along the west side. A 4 inch caliper shade tree must be provided at the ends of all parking rows.*

Response: Shade trees have been provided at the ends of all parking rows except where conflicts with utilities exist. 4-inch caliper shade trees have been provided in the islands on the south end along Cellular Drive. One tree has been added, but the remainder of islands have light poles. Shade trees have been added where possible.

If you have any questions or require any additional information, please contact me at 630.487.5555.

Sincerely,

Kimley-Horn and Associates, Inc.



Lesley Netzer, P.E., Project Manager

Enclosures: Fire Truck Routing Exhibit
Fire Hydrant Map Exhibit
Final Engineering Plans
Traffic Technical Memo
Lighting and Photometric Plans
Architectural Sheets A01-14, A01-15, A02-00B, A02-01F, A10-01, G01-01
Traffic Memo

PLAN COMMISSION PROJECT TIMELINE

Project Name: Northwest Crossings PUD Amendment

PC Number: 19-011

Location: 1501 W. Shure Dr.

Requested Action:

1. Amendment to Planned Unit Development Ordinances #88-60, 15-016, and 15-040 to allow certain modifications to the approved development plan.
2. Multiple Variations Required.

	Date	Number of Business Days
Petitioner Provides Plans needed for CPRC	07/15/19	-
Conceptual Plan Review Meeting (CPRC)	07/24/19	7
Awaiting PC Application	07/15/19	0
PC Application Submittal Date	07/15/19	-
1 st Round Department Comments	07/30/19	11
Petitioner's Response – 1 st Round	08/09/19	8
2 nd Round Department Comments	08/20/19	7
Petitioner's Response – 2 nd Round	08/23/19	3
PC Hearing	08/28/19	32 days from application date
Village Board	09/03/19	3
Anticipated Village Board Ord. Adoption	09/03/19	0



Village Board
9/3/2019

Item: Ordinance - Planned Unit Development Amendment - Northwest Crossings - 1455, 1421 & 1501 W Shure Dr

Department: Planning/Legal

An Ordinance Amending Planned Unit Development Ordinance Numbers 88-060, 15-016 and 15-040 and Granting Variations from Chapter 28 of the Arlington Heights Municipal Code
(Northwest Crossings, 1501 W Shure Dr)

ATTACHMENTS:

Description	Type
PUD Amendment - Northwest Crossings	Ordinance

**AN ORDINANCE AMENDING PLANNED UNIT DEVELOPMENT
ORDINANCE NUMBERS 88-060, 15-016 and 15-040 AND
GRANTING VARIATIONS FROM CHAPTER 28 OF THE
ARLINGTON HEIGHTS MUNICIPAL CODE**

WHEREAS, the President and Board of Trustees of the Village of Arlington Heights have approved Ordinance Numbers 88-060, 15-016 and 15-040, approving and amending a planned unit development for the property located at 1455, 1421 and 1501 W Shure Dr, Arlington Heights, Illinois, commonly known as Northwest Crossings; and

WHEREAS, on August 28, 2019, in Petition Number 19-011, the Plan Commission of the Village of Arlington Heights conducted a public hearing on a request to amend Planned Unit Development Ordinance Numbers 88-060, 15-016 and 15-040 and for variations from Chapter 28 of the Arlington Heights Municipal Code; and

WHEREAS, the President and Board of Trustees of the Village of Arlington Heights have considered the report and recommendation of the Plan Commission and have determined that authorizing and granting said request, subject to certain conditions hereinafter described, is in the best interest of the Village,

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

SECTION ONE: The Planned Unit Development previously approved and amended by Ordinance Numbers, 88-060, 15-016 and 15-040, for the property legally described as:

Lots 1 and 2 in Northwest Crossings Subdivision, being a subdivision in the northwest quarter of Section 7, Township 42 North, Range 11, East of the Third Principal Meridian, according to the plat of said subdivision recorded on January 27, 2016, as Document No. 1602722029, in Cook County, Illinois, and;

That part of Lot 1 in Arlington Industrial & Research Center – Unit Number 6, being a subdivision of Section 7, Township 42 North, Range 11, East of the Third Principal Meridian, according to the plat thereof recorded on August 22, 1972 as Document Number 22024211, in the Office of Recorder of Deeds of Cook County, Illinois, said parts lying south and east of a line described as follows:

Commencing at the southwest corner of said Lot 1; thence north 11 degrees 17 minutes 16 seconds east, 36.44 feet; thence north 89 degrees 53 minutes 08 seconds east, 2145.54 feet; thence north 00 degrees 04 minutes 09 seconds east, 372.77 feet; thence north 89 degrees 53 minutes 30 seconds east, 72.20 feet to the east line of Lot 1 aforesaid, in Cook County, Illinois, and;

That part of the south 969.60 feet of the northwest quarter of Section 7, Township 42 North, Range 11, East of the Third Principal Meridian, described as follows: beginning on the north line of said south 969.60 feet, 820.00 feet east of the east line of Frontage Road, at the northeast corner of Arlington Ridge West, recorded as Document No. 25290181; thence southerly along the east line of said Arlington Ridge West and the southerly extension thereof, 637.61 feet; thence easterly parallel with the north line of said south 969.60 feet; 1373.86 feet to a point on the westerly line of C/S Subdivision, recorded as Document No. 25851185; thence northerly along the westerly line of said C/S Subdivision 637.23 feet to the north line of said south 969.60 feet of the northwest quarter; thence westerly along the north line of said south 969.60 feet, 1353.18 feet to the point of beginning, in Cook County, Illinois.

P.I.N. 03-07-100-015, -021, -023, -024

commonly known as 1455, 1421 and 1501 W Shure Dr, Arlington Heights, Illinois, is hereby amended in substantial compliance with the following plans:

The following plans dated August 7, 2019, have been prepared by Corgan:

Enlarged Site Plans and Details, consisting of sheets A01-14 and A01-15;
Floor Elevation Plan, consisting of sheet A02-00B;
Floor Plan – Level One – Segment F, consisting of sheet A02-01F;
Exterior Elevations, consisting of sheet A05-01;

The following plans dated May 22, 2019 with revisions through August 7, 2019, have been prepared by Kimley Horn and Associates, Inc.:

Title Sheet, consisting of sheet C0.0;
General Notes, consisting of sheet C1.0;
MWRD General Notes, consisting of sheet C1.1;
Existing Conditions & Demolition Plan (North), consisting of sheet C2.0;
Existing Conditions & Demolition Plan (South), consisting of sheet C2.1;
Overall Site Plan, consisting of sheet C3.0;
Site Plan (North), consisting of sheet C3.1;
Site Plan (South), consisting of sheet C3.2;
Site Plan (Phase 2), consisting of sheet C3.3;
Erosion Control Plan, consisting of sheet C4.0;
Erosion Control Plan (Phase 2), consisting of sheet C4.1;
Erosion Control Notes and Details, consisting of sheet C4.2;

Grading Plan (North), consisting of sheet C5.1;
Grading Plan (South), consisting of sheet C5.2;
Grading Plan (Phase 2), consisting of sheet C5.3;
Utility Plan (North), consisting of sheet C6.1;
Utility Plan (South), consisting of sheet C6.2;
Utility Plan (Phase 2), consisting of sheet C6.3;
MWRD Plan, consisting of sheet C7.0;
Construction Details, consisting of sheets C8.0 and C8.1;
Tree Removals Plan (North), consisting of sheet L1.0;
Tree Removals Plan (South), consisting of sheet L1.1;
Tree Removals Plan, consisting of sheet L1.2;
Overall Landscape Plan, consisting of sheet L2.0;
Landscape Plan (Phase 1 North), consisting of sheet L2.1;
Landscape Plan (Phase 1 South), consisting of sheet L2.2;
Landscape Plan (Phase 2), consisting of sheet L2.3;
Landscape Notes and Details, consisting of sheet L3.0;

The following plans dated May 22, 2019 with revisions through July 25, 2019, have been prepared by Kimley Horn and Associates, Inc.:

Site Lighting Demolition Plan, consisting of sheet E00-06;
Site Lighting Plan, consisting of sheet E00-07;
Site Lighting Details, consisting of sheet E00-08;
Site Lighting Photometric, consisting of sheet E00-09;
Panel Board Schedules – Lighting Panels, consisting of sheet E05-13;

The following plans have been prepared by Kimley Horn and Associates, Inc.:

Hydrants and FDC, consisting of sheet EX;
Trucking Routing Exhibit, dated May 22, 2019, consisting of sheet EX;

Guard House Plans, prepared by Porta-King Building Systems, consisting of one sheet,
copies of which are on file with the Village Clerk and available for public inspection.

SECTION TWO: That the following variations from Chapter 28, Zoning Regulations, of the Arlington Heights Municipal Code, are hereby granted:

1. A variation from Section 6.13-3a, Location of Fences-Front Yard, to allow an eight foot tall open fence with sharp points, a 17.3 foot tall solid fence enclosing a mechanical unit, an eight foot tall chain-link fence enclosing a transformer, and a six foot tall solid fence enclosing certain gas meters, all in a front yard.
2. A variation from Section 6.13-3b, Location of Fences-Side and Rear Yards, to allow an eight foot tall open fence in a side yard and an eight foot tall solid fence in a side yard.

3. A variation from Section 6.13-3b.2, Location of Fences-Corner Lot, to allow an eight foot tall open and solid fence, eight foot tall chain-link fence enclosing a transformer, and a 17.3 foot tall solid fence enclosing a mechanical unit, all in a rear yard.

4. A variation from Section 6.13-3c.1, Location of Fences-Exterior Side Yards, to allow an eight foot tall open fence in an exterior side yard.

5. A variation from Section 6.13-2f, Materials and Type of Construction, to allow slatted chain-link fencing.

6. A variation from Section 6.12-1, Traffic Engineering Approval-For Projects Requiring Plan Commission Review, waiving the requirement for a traffic and parking study prepared by a qualified professional engineer.

7. A variation from Section 6.6-5.1, Table of Permitted Obstructions, to allow Central Air Conditioning Units to allow a reduction from a side property line setback from a 97.4 feet setback to a 8.5 foot setback.

8. A variation from Section 6.5-2, Accessory Structures, to allow certain accessory structures (guard houses) within a front yard and to allow an increase to the maximum number of accessory structures on the subject property from four to five.

9. A variation from Section 10.2-9, Access, to allow certain driveway entrances in excess of the maximum allowable driveway width of 36 feet.

10. A variation from Section 6.15-1.2b, New Landscape Requirements, waiving the requirement for shade trees in certain landscape islands on the subject property.

SECTION THREE: That approval of the amendment to Planned Unit Development Ordinance Numbers 88-060, 15-016 and 15-040, and variations from Chapter 28 of the Arlington Heights Municipal Code granted by this Ordinance are subject to the following conditions, to which the Petitioner has agreed:

1. Occupancy of the 68,253 square foot Phase II area cannot occur until completion of the construction of the Phase II parking area.

2. Prior to building permit issuance, the Petitioner shall work with the Village to revise areas within the parking lots where fire truck turning may be difficult, to the satisfaction of the Fire Department.

3. The Petitioner shall add all missing shade trees to the landscape islands on the subject property, except for the island on the south of the building adjacent to the building entrance and the island on the north side of building adjacent to the transformer.

4. The Petitioner shall comply with all Federal, State, and Village Codes, Regulations and Policies.

SECTION FOUR: Except as amended by this Ordinance, the provisions in Ordinance Numbers shall 88-060, 15-016 and 15-040, remain in full force and effect.

SECTION FIVE: That the approval of the amendment to the Planned Unit Development granted in SECTION ONE of this Ordinance shall be effective for a period no longer than 24 months from the date of this Ordinance, unless construction has begun or such approval has been extended by the President and Board of Trustees during that period.

SECTION SIX: The Director of Building and Life Safety is hereby authorized to issue a permit upon proper application, in accordance with the provisions of this Ordinance and all applicable ordinances of the Village of Arlington Heights.

SECTION SEVEN: This Ordinance shall be in full force and effect from and after its passage and approval in the manner provided by law and shall be recorded by the Village Clerk in the Office of the Recorder of Cook County, Illinois.

AYES:

NAYS:

PASSED AND APPROVED this 3rd day of September, 2019.

Village President

ATTEST:

Village Clerk



Village Board
9/3/2019

Item: Ordinance - General Obligation Refunding Bonds - Series 2019

Department: Finance/Legal

An Ordinance providing for the issuance of \$8,645,000 General Obligation Refunding Bonds, Series 2019, of the Village of Arlington Heights, Cook County, Illinois, for the purpose of refunding certain outstanding bonds of said Village, providing for the levy and collection of a direct annual tax sufficient to pay the principal and interest on said bonds, and authorizing the sale of said bonds to the purchaser thereof.

ATTACHMENTS:

Description

General Obligation Refunding Bonds -
Series 2019

Type

Ordinance

ORDINANCE NUMBER _____

AN ORDINANCE providing for the issuance of \$7,985,000 General Obligation Refunding Bonds, Series 2019, of the Village of Arlington Heights, Cook County, Illinois, for the purpose of refunding certain outstanding bonds of said Village, providing for the levy and collection of a direct annual tax sufficient to pay the principal and interest on said bonds, and authorizing the sale of said bonds to the purchaser thereof.

WHEREAS, the Village of Arlington Heights, Cook County, Illinois (the “*Village*”) has a population in excess of 25,000 as determined by the last official census; and pursuant to the provisions of Section 6 of Article VII of the Constitution of the State of Illinois, the Village is a home rule unit and may exercise any power or perform any function pertaining to its government and affairs including, but not limited to, the power to tax and to incur debt; and

WHEREAS, pursuant to the provisions of said Section 6, the Village has the power to incur debt payable from ad valorem property tax receipts or from any other lawful source and maturing within 40 years from the time it is incurred without prior referendum approval; and

WHEREAS, the Village has outstanding General Obligation Refunding Bonds, Series 2011, dated August 17, 2011 (the “*Prior Bonds*”); and

WHEREAS, it is necessary and desirable to refund a portion of the Prior Bonds (said portion of the Prior Bonds to be refunded being referred to herein as the “*Refunded Bonds*”) in order to realize certain interest cost savings for the Village; and

WHEREAS, the Refunded Bonds shall be fully described in the hereinafter defined Escrow Agreement and are presently outstanding and unpaid and are binding and subsisting legal obligations of the Village; and

WHEREAS, the President and Board of Trustees of the Village (the “*Board*”) has determined that in order to refund the Refunded Bonds, it is necessary and in the best interests of the Village to borrow \$7,985,000 at this time and issue bonds of the Village therefor; and

WHEREAS, it is hereby found and determined that said borrowing and the issuance of bonds therefor is necessary for the welfare of the government and affairs of the Village, is for a proper public purpose and is in the public interest; and

WHEREAS, in accordance with the terms of the Refunded Bonds, certain of the Refunded Bonds may be called for redemption in advance of their maturity, and it is necessary and desirable to make such call for the redemption of said Refunded Bonds on their earliest possible call date, and provide for the giving of proper notice to the registered owners of said Refunded Bonds; and

WHEREAS, the Village now intends to issue such bonds pursuant to the home rule powers of the Village, and such bonds shall be payable from a direct annual ad valorem tax levied against all taxable property in the Village, without limitation as to rate or amount; and

WHEREAS, the County Clerk of The County of Cook, Illinois (the “*County Clerk*”), is therefore authorized to extend and collect said direct annual ad valorem tax so levied for the payment of the Bonds without limitation as to rate or amount:

NOW THEREFORE BE IT ORDAINED by the President and Board of Trustees of the Village of Arlington Heights, Cook County, Illinois, in the exercise of its home rule powers, as follows:

Section 1. Incorporation of Preambles. The Board hereby finds that all of the recitals contained in the preambles to this Ordinance are true, correct and complete and does incorporate them into this Ordinance by this reference.

Section 2. Authorization. It is hereby found and determined that the Board has been authorized by law to borrow the sum of \$7,985,000 upon the credit of the Village and as evidence of such indebtedness to issue bonds of the Village in said amount, the proceeds of said bonds to be used to refund the Refunded Bonds, and that it is necessary and for the best interests of the Village that there be issued at this time \$7,985,000 of the bonds so authorized, and these findings

and determinations, together with those set forth in the preambles to this Ordinance, shall be deemed conclusive.

Section 3. Bond Details. There be borrowed by for and on behalf of the Village the sum of \$7,985,000 for the purpose aforesaid, and that bonds of the Village shall be issued in said amount and shall be designated “General Obligation Refunding Bonds, Series 2019” (the “Bonds”). The Bonds shall be dated September 18, 2019, and shall also bear the date of authentication, shall be in fully registered form, shall be in denominations of \$5,000 each or authorized integral multiples thereof, and shall be numbered 1 and upward. The Bonds shall become due and payable serially (without option of prior redemption) on December 1 of each of the years, in the amounts and bearing interest per annum as follows:

YEAR OF MATURITY	PRINCIPAL AMOUNT	RATE OF INTEREST
2022	\$640,000	5.00%
2023	2,185,000	5.00%
2024	2,265,000	5.00%
2025	1,650,000	5.00%
2026	1,245,000	5.00%

The Bonds shall bear interest from their date or from the most recent interest payment date to which interest has been paid or duly provided for, until the principal amount of the Bonds is paid, such interest (computed upon the basis of a 360-day year of twelve 30-day months) being payable on June 1 and December 1 of each year, commencing on December 1, 2019.

Interest on each Bond shall be paid by check or draft of UMB Bank, National Association, St. Louis, Missouri, as bond registrar and paying agent (the “*Bond Registrar*”), payable upon presentation thereof in lawful money of the United States of America, to the person in whose name such Bond is registered at the close of business on the 15th day of the month next preceding the interest payment date. The principal of and premium, if any, on the Bonds shall be payable in

lawful money of the United States of America upon presentation thereof at the designated corporate trust office of the Bond Registrar.

Section 4. Execution; Authentication. The Bonds shall be executed on behalf of the Village by the manual or facsimile signature of its President (the “*President*”) and attested by the manual or facsimile signature of its Village Clerk, as they shall determine, and shall have impressed or imprinted thereon the corporate seal or facsimile thereof of the Village. In case any such officer whose signature shall appear on any Bond shall cease to be such officer before the delivery of such Bond, such signature shall nevertheless be valid and sufficient for all purposes, the same as if such officer had remained in office until delivery. All Bonds shall have thereon a certificate of authentication, substantially in the form hereinafter set forth, duly executed by the Bond Registrar as authenticating agent of the Village and showing the date of authentication. No Bond shall be valid or obligatory for any purpose or be entitled to any security or benefit under this Ordinance unless and until such certificate of authentication shall have been duly executed by the Bond Registrar by manual signature, and such certificate of authentication upon any such Bond shall be conclusive evidence that such Bond has been authenticated and delivered under this Ordinance. The certificate of authentication on any Bond shall be deemed to have been executed by it if signed by an authorized officer of the Bond Registrar, but it shall not be necessary that the same officer sign the certificate of authentication on all of the Bonds issued hereunder.

Section 5. Registration of Bonds; Persons Treated as Owners. (a) *General.* The Village shall cause books (the “*Bond Register*”) for the registration and for the transfer of the Bonds as provided in this Ordinance to be kept at the designated corporate trust office of the Bond Registrar, which is hereby constituted and appointed the registrar of the Village for the Bonds. The Village is authorized to prepare, and the Bond Registrar or such other agent as the Village may designate shall keep custody of, multiple Bond blanks executed by the Village for use in the transfer and

exchange of Bonds. Subject to the provisions of this Ordinance relating to the Bonds in book-entry form, any Bond may be transferred or exchanged, but only in the manner, subject to the limitations, and upon payment of the charges as set forth in this Ordinance. Upon surrender for transfer or exchange of any Bond at the designated corporate trust office of the Bond Registrar, duly endorsed by or accompanied by a written instrument or instruments of transfer or exchange in form satisfactory to the Bond Registrar and duly executed by the registered owner or his or her attorney duly authorized in writing, the Village shall execute and the Bond Registrar shall authenticate, date and deliver in the name of the transferee or transferees or, in the case of an exchange, the registered owner, a new fully registered Bond or Bonds of like tenor, of the same maturity, bearing the same interest rate, of authorized denominations, for a like aggregate principal amount. The Bond Registrar shall not be required to transfer or exchange any Bond during the period beginning at the close of business on the 15th day of the month of any interest payment date on such Bond and ending at the opening of business on such interest payment date.

The execution by the Village of any fully registered Bond shall constitute full and due authorization of such Bond, and the Bond Registrar shall thereby be authorized to authenticate, date and deliver such Bond; *provided, however*, the principal amount of Bonds of each maturity authenticated by the Bond Registrar shall not at any one time exceed the authorized principal amount of Bonds for such maturity less the amount of such Bonds which have been paid. The person in whose name any Bond shall be registered shall be deemed and regarded as the absolute owner thereof for all purposes, and payment of the principal of or interest on any Bond shall be made only to or upon the order of the registered owner thereof or his or her legal representative. All such payments shall be valid and effectual to satisfy and discharge the liability upon such Bond to the extent of the sum or sums so paid.

No service charge shall be made to any registered owner of Bonds for any transfer or exchange of Bonds, but the Village or the Bond Registrar may require payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in connection with any transfer or exchange of Bonds.

(b) *Global Book-Entry System.* The Bonds shall be initially issued in the form of a separate single fully registered Bond for each of the maturities of the Bonds determined as described in Section 3 hereof. Upon initial issuance, the ownership of each such Bond shall be registered in the Bond Register in the name of Cede & Co., or any successor thereto (“*Cede*”), as nominee of The Depository Trust Company, New York, New York, and its successors and assigns (“*DTC*”). All of the outstanding Bonds shall be registered in the Bond Register in the name of Cede, as nominee of DTC, except as hereinafter provided. Any officer of the Village who is a signatory on the Bonds, along with the Director of Finance of the Village, is authorized to execute and deliver, on behalf of the Village, such letters to or agreements with DTC as shall be necessary to effectuate such book-entry system (any such letter or agreement being referred to herein as the “*Representation Letter*”), which Representation Letter may provide for the payment of principal of or interest on the Bonds by wire transfer.

With respect to Bonds registered in the Bond Register in the name of Cede, as nominee of DTC, the Village and the Bond Registrar shall have no responsibility or obligation to any broker-dealer, bank or other financial institution for which DTC holds Bonds from time to time as securities depository (each such broker-dealer, bank or other financial institution being referred to herein as a “*DTC Participant*”) or to any person on behalf of whom such a DTC Participant holds an interest in the Bonds. Without limiting the immediately preceding sentence, the Village and the Bond Registrar shall have no responsibility or obligation with respect to (i) the accuracy of the records of DTC, Cede or any DTC Participant with respect to any ownership interest in the Bonds,

(ii) the delivery to any DTC Participant or any other person, other than a registered owner of a Bond as shown in the Bond Register, of any notice with respect to the Bonds, including any notice of redemption, or (iii) the payment to any DTC Participant or any other person, other than a registered owner of a Bond as shown in the Bond Register, of any amount with respect to the principal of or interest on the Bonds. The Village and the Bond Registrar may treat and consider the person in whose name each Bond is registered in the Bond Register as the holder and absolute owner of such Bond for the purpose of payment of principal and interest with respect to such Bond, for the purpose of giving notices of redemption and other matters with respect to such Bond, for the purpose of registering transfers with respect to such Bond, and for all other purposes whatsoever. The Bond Registrar shall pay all principal of and interest on the Bonds only to or upon the order of the respective registered owners of the Bonds, as shown in the Bond Register, or their respective attorneys duly authorized in writing, and all such payments shall be valid and effective to fully satisfy and discharge the Village's obligations with respect to payment of the principal of and interest on the Bonds to the extent of the sum or sums so paid. No person other than a registered owner of a Bond as shown in the Bond Register, shall receive a Bond evidencing the obligation of the Village to make payments of principal and interest with respect to any Bond. Upon delivery by DTC to the Bond Registrar of written notice to the effect that DTC has determined to substitute a new nominee in place of Cede, and subject to the provisions in Section 3 hereof with respect to the payment of interest to the registered owners of Bonds at the close of business on the 15th day of the month of the applicable interest payment date, the name "Cede" in this Ordinance shall refer to such new nominee of DTC.

In the event that (i) the Village determines that DTC is incapable of discharging its responsibilities described herein and in the Representation Letter, (ii) the agreement among the Village, the Bond Registrar and DTC evidenced by the Representation Letter shall be terminated

for any reason or (iii) the Village determines that it is in the best interests of the beneficial owners of the Bonds that they be able to obtain certificated Bonds, the Village shall notify DTC and DTC Participants of the availability through DTC of certificated Bonds and the Bonds shall no longer be restricted to being registered in the Bond Register in the name of Cede, as nominee of DTC. At that time, the Village may determine that the Bonds shall be registered in the name of and deposited with such other depository operating a universal book-entry system, as may be acceptable to the Village, or such depository's agent or designee, and if the Village does not select such alternate universal book-entry system, then the Bonds may be registered in whatever name or names registered owners of Bonds transferring or exchanging Bonds shall designate, in accordance with the provisions of Section 5(a) hereof.

Notwithstanding any other provisions of this Ordinance to the contrary, so long as any Bond is registered in the name of Cede, as nominee of DTC, all payments with respect to principal of and interest on such Bond and all notices with respect to such Bond shall be made and given, respectively, in the name provided in the Representation Letter.

Section 6. Form of Bond. The Bonds shall be in substantially the following form; *provided, however,* that if the text of the Bond is to be printed in its entirety on the front side of the Bond, then paragraph [2] and the legend, "See Reverse Side for Additional Provisions", shall be omitted and paragraphs [6] through [9] shall be inserted immediately after paragraph [1]:

[Form of Bond - Front Side]

REGISTERED
NO. _____

REGISTERED
\$ _____

UNITED STATES OF AMERICA

STATE OF ILLINOIS

COUNTY OF COOK

VILLAGE OF ARLINGTON HEIGHTS

GENERAL OBLIGATION REFUNDING BOND, SERIES 2019

See Reverse Side for Additional Provisions.
--

Interest	Maturity	Dated	
Rate: _____%	Date: December 1, 20____	Date: September 18, 2019	CUSIP: 343334 ____

Registered Owner: CEDE & CO.

Principal Amount:

[1] KNOW ALL PERSONS BY THESE PRESENTS that the Village of Arlington Heights, Cook County, Illinois, a municipality, home rule unit, and political subdivision of the State of Illinois (the “*Village*”), hereby acknowledges itself to owe and for value received promises to pay to the Registered Owner identified above, or registered assigns as hereinafter provided, on the Maturity Date identified above, the Principal Amount identified above and to pay interest (computed on the basis of a 360-day year of twelve 30-day months) on such Principal Amount from the later of the Dated Date of this Bond identified above or from the most recent interest payment date to which interest has been paid or duly provided for, at the Interest Rate per annum identified above, such interest to be payable on June 1 and December 1 of each year, commencing December 1, 2019, until said Principal Amount is paid or duly provided for. The principal of this Bond is payable in lawful money of the United States of America upon presentation hereof at the designated corporate trust office of UMB Bank, National Association, St. Louis, Missouri, as bond

registrar and paying agent (the “*Bond Registrar*”). Payment of interest shall be made to the Registered Owner hereof as shown on the registration books of the Village maintained by the Bond Registrar, at the close of business on the 15th day of the month next preceding the interest payment date. Interest shall be paid by check or draft of the Bond Registrar, payable upon presentation in lawful money of the United States of America, mailed to the address of such Registered Owner as it appears on such registration books, or at such other address furnished in writing by such Registered Owner to the Bond Registrar. For the prompt payment of this Bond both principal and interest at maturity, the full faith, credit and resources of the Village are hereby irrevocably pledged.

[2] Reference is hereby made to the further provisions of this Bond set forth on the reverse hereof, and such further provisions shall for all purposes have the same effect as if set forth at this place.

[3] It is hereby certified and recited that all conditions, acts and things required by the Constitution and Laws of the State of Illinois to exist or to be done precedent to and in the issuance of this Bond, including the hereinafter defined Act, have existed and have been properly done, happened and been performed in regular and due form and time as required by law; that the indebtedness of the Village, represented by the Bonds, and including all other indebtedness of the Village, howsoever evidenced or incurred, does not exceed any constitutional or statutory or other lawful limitation; and that provision has been made for the collection of a direct annual tax, in addition to all other taxes, on all of the taxable property in the Village sufficient to pay the interest hereon as the same falls due and also to pay and discharge the principal hereof at maturity.

[4] This Bond shall not be valid or become obligatory for any purpose until the certificate of authentication hereon shall have been signed by the Bond Registrar.

[5] IN WITNESS WHEREOF, the Village of Arlington Heights, Cook County, Illinois, by its President and Board of Trustees, has caused this Bond to be executed by the manual or duly authorized facsimile signature of its President and attested by the manual or duly authorized facsimile signature of its Village Clerk and its corporate seal or a facsimile thereof to be impressed or reproduced hereon, all as appearing hereon and as of the Dated Date identified above.

SPECIMEN

President, Village of Arlington Heights
Cook County, Illinois

ATTEST:

SPECIMEN

Village Clerk, Village of Arlington Heights
Cook County, Illinois

[SEAL]

Date of Authentication: September 18, 2019

CERTIFICATE
OF
AUTHENTICATION

Bond Registrar and Paying Agent:
UMB Bank, National Association,
St. Louis, Missouri

This Bond is one of the Bonds described in the within mentioned ordinance and is one of the General Obligation Refunding Bonds, Series 2019, of the Village of Arlington Heights, Cook County, Illinois.

UMB BANK, NATIONAL ASSOCIATION,
as Bond Registrar

By _____
Authorized Officer

[Form of Bond - Reverse Side]

VILLAGE OF ARLINGTON HEIGHTS

COOK COUNTY, ILLINOIS

GENERAL OBLIGATION REFUNDING BOND, SERIES 2019

[6] This Bond is one of a series of bonds (the “*Bonds*”) issued by the Village for the purpose of refunding certain outstanding bonds of the Village, all as described and defined in the Ordinance of the Village, adopted by the President and Board of Trustees of the Village on the 3rd day of September, 2019, authorizing the Bonds (the “*Ordinance*”), pursuant to and in all respects in compliance with the applicable provisions of the Illinois Municipal Code, as amended, as supplemented and, where necessary, superseded, by the powers of the Village as a home rule unit under the provisions of Section 6 of Article VII of the Illinois Constitution of 1970, and as further supplemented by the Local Government Debt Reform Act of the State of Illinois, as amended (collectively the “*Act*”), and with the Ordinance, which has been duly approved by the President, and published, in all respects as by law required.

[7] This Bond is transferable by the Registered Owner hereof in person or by his or her attorney duly authorized in writing at the designated corporate trust office of the Bond Registrar in St. Louis, Missouri, but only in the manner, subject to the limitations and upon payment of the charges provided in the Ordinance, and upon surrender and cancellation of this Bond. Upon such transfer a new Bond or Bonds of authorized denominations of the same maturity and for the same aggregate principal amount will be issued to the transferee in exchange therefor.

[8] The Bonds are issued in fully registered form in the denomination of \$5,000 each or authorized integral multiples thereof. This Bond may be exchanged at the designated corporate trust office of the Bond Registrar for a like aggregate principal amount of Bonds of the same maturity of other authorized denominations, upon the terms set forth in the Ordinance. The Bond

Registrar shall not be required to transfer or exchange any Bond during the period beginning at the close of business on the 15th day of the month next preceding any interest payment date on such Bond and ending at the opening of business on such interest payment date.

[9] The Village and the Bond Registrar may deem and treat the Registered Owner hereof as the absolute owner hereof for the purpose of receiving payment of or on account of principal hereof and interest due hereon and for all other purposes, and neither the Village nor the Bond Registrar shall be affected by any notice to the contrary.

ASSIGNMENT

FOR VALUE RECEIVED, the undersigned sells, assign, and transfers unto _____

--

Here insert Social Security Number,
Employer Identification Number or
other Identifying Number

(Name and Address of Assignee)

the within Bond and does hereby irrevocably constitute and appoint _____

as attorney to transfer the said Bond on the books kept for registration thereof with full power of substitution in the premises.

Dated: _____

Signature guaranteed: _____

NOTICE: The signature to this transfer and assignment must correspond with the name of the Registered Owner as it appears upon the face of the within Bond in every particular, without alteration or enlargement or any change whatever.

Section 7. Sale of Bonds. The Bonds shall be executed as in this Ordinance provided as soon after the passage hereof as may be, shall be deposited with the Treasurer of the Village (the “Treasurer”), and shall be by the Treasurer delivered to Morgan Stanley & Co. LLC, New York,

New York, the purchaser thereof (the “*Purchaser*”), upon receipt of the purchase price therefor, the same being \$9,465,194.20; the contract for the sale of the Bonds (the “*Purchase Contract*”) heretofore entered into is in all respects ratified, approved and confirmed, it being hereby found and determined that the Bonds have been sold at such price and bear interest at such rates that neither the true interest cost (yield) nor the net interest rate received upon such sale exceed the maximum rate otherwise authorized by Illinois law and that the Purchase Contract is in the best interests of the Village and that no person holding any office of the Village, either by election or appointment, is in any manner financially interested directly in his or her own name or indirectly in the name of any other person, association, trust or corporation, in the Purchase Contract.

The use by the Purchaser of any Preliminary Official Statement and any Final Official Statement relating to the Bonds (the “*Official Statement*”) is hereby ratified, approved and authorized; the execution and delivery of the Official Statement is hereby authorized; and the officers of the Village are hereby authorized to take any action as may be required on the part of the Village to consummate the transactions contemplated by the Purchase Contract, this Ordinance, said Preliminary Official Statement, the Official Statement and the Bonds.

Section 8. Tax Levy. For the purpose of providing funds required to pay the interest on the Bonds promptly when and as the same falls due, and to pay and discharge the principal thereof at maturity, there is hereby levied upon all of the taxable property within the Village, in the years for which any of the Bonds are outstanding, a direct annual tax sufficient for that purpose; and there is hereby levied on all of the taxable property in the Village, in addition to all other taxes, the following direct annual tax, to wit:

FOR THE YEAR

A TAX SUFFICIENT TO PRODUCE THE SUM OF:

2019	\$ 399,250.00	for interest up to and including December 1, 2020
2020	\$ 399,250.00	for interest
2021	\$1,039,250.00	for interest and principal
2022	\$2,552,250.00	for interest and principal
2023	\$2,523,000.00	for interest and principal
2024	\$1,794,750.00	for interest and principal
2025	\$1,307,250.00	for interest and principal

Principal or interest maturing at any time when there are not sufficient funds on hand from the foregoing tax levy to pay the same shall be paid from the general funds of the Village, and the fund from which such payment was made shall be reimbursed out of the taxes hereby levied when the same shall be collected.

The Village covenants and agrees with the purchasers and the holders of the Bonds that so long as any of the Bonds remain outstanding, the Village will take no action or fail to take any action which in any way would adversely affect the ability of the Village to levy and collect the foregoing tax levy and the Village and its officers will comply with all present and future applicable laws in order to assure that the foregoing taxes will be levied, extended and collected as provided herein and deposited in the fund established to pay the principal of and interest on the Bonds.

Section 9. Filing with County Clerk and Certificate of Reduction of Taxes. Forthwith upon the passage of this Ordinance, the Village Clerk is hereby directed to file a certified copy of this Ordinance with the County Clerk; and the County Clerk shall in and for each of the years 2019 to 2025, inclusive, ascertain the rate necessary to produce the tax herein levied; and the County Clerk shall extend the same for collection on the tax books in connection with other taxes levied in said years in and by the Village for general corporate purposes of the Village; and, subject to abatement as stated hereinabove, in said years such annual tax shall be levied and collected by and for and on behalf of the Village in like manner as taxes for general corporate purposes for said

years are levied and collected, and in addition to and in excess of all other taxes, and when collected, the taxes hereby levied shall be placed to the credit of a special fund to be designated “Bond and Interest Fund Account of 2019” (the “*Bond Fund*”), which taxes are hereby irrevocably pledged to and shall be used only for the purpose of paying the principal of and interest on the Bonds.

The President, Village Clerk and Treasurer be and the same are hereby directed to prepare and file with the County Clerk, a Certificate of Reduction of Taxes Heretofore Levied for the Payment of Bonds showing the Prior Bonds being refunded and directing the abatement of the taxes heretofore levied for the years 2019 to 2025, inclusive, to pay the Refunded Bonds.

Section 10. Use of Taxes Heretofore Levied. All proceeds received or to be received from any taxes heretofore levied to pay principal and interest on the Refunded Bonds, including the proceeds received or to be received from the taxes levied for the year 2018 for such purpose, shall be used to pay the principal of and interest on the Refunded Bonds and to the extent that such proceeds are not needed for such purpose, the same shall be deposited into the Bond Fund and used to pay principal and interest on the Bonds in accordance with all of the provisions of this Ordinance.

Section 11. Use of Bond Proceeds; Call of the Refunded Bonds. Any accrued interest received on the delivery of the Bonds is hereby appropriated for the purpose of paying first interest due on the Bonds and is hereby ordered deposited into the Bond Fund. Simultaneously with the delivery of the Bonds, the principal proceeds of the Bonds, together with any premium received from the sale of the Bonds and such additional amounts as may be necessary from the general funds of the Village, are hereby appropriated to pay the costs of issuance of the Bonds and for the purpose of refunding the Refunded Bonds, and that portion thereof not needed to pay such costs is hereby ordered deposited in escrow pursuant to the Escrow Letter Agreement (the “*Escrow*”

Agreement”) to be entered into between the Village and UMB Bank, National Association, St. Louis, Missouri (the “*Escrow Agent*”), in substantially the form attached hereto as *Exhibit A* and made a part hereof by this reference, or with such changes therein as shall be approved by the officers of the Village executing the Escrow Agreement, such execution to constitute evidence of the approval of such changes, for the purpose of paying the principal of, interest on and redemption premium on the Refunded Bonds. The Board approves the form, terms and provisions of the Escrow Agreement and directs the President and Village Clerk to execute, attest and deliver the Escrow Agreement in the name and on behalf of the Village. Amounts in the escrow may be held in cash or used to purchase direct obligations of or obligations guaranteed by the full faith and credit of the United States of America (the “*Government Securities*”) to provide for the principal of, interest on and redemption premium on the Refunded Bonds. The Escrow Agent and the Purchaser are hereby authorized to act as agent for the Village in the purchase of the Government Securities.

At the time of the issuance of the Bonds, the costs of issuance of the Bonds may be paid by the Purchaser on behalf of the Village from the proceeds of the Bonds.

In accordance with the redemption provisions of the ordinance authorizing the issuance of the Refunded Bonds, the Village by the Board does hereby make provision for the payment of and does hereby call (subject only to the delivery of the Bonds) the Refunded Bonds for redemption on December 1, 2019.

Section 12. Non-Arbitrage and Tax-Exemption. The Village hereby covenants that it will not take any action, omit to take any action or permit the taking or omission of any action within its control (including, without limitation, making or permitting any use of the proceeds of the Bonds) if taking, permitting or omitting to take such action would cause any of the Bonds to be an arbitrage bond or a private activity bond within the meaning of the Internal Revenue Code of 1986,

as amended (the “Code”), or would otherwise cause the interest on the Bonds to be included in the gross income of the recipients thereof for federal income tax purposes. The Village acknowledges that, in the event of an examination by the Internal Revenue Service (the “IRS”) of the exemption from Federal income taxation for interest paid on the Bonds, under present rules, the Village may be treated as a “taxpayer” in such examination and agrees that it will respond in a commercially reasonable manner to any inquiries from the IRS in connection with such an examination.

The Village also agrees and covenants with the purchasers and holders of the Bonds from time to time outstanding that, to the extent possible under Illinois law, it will comply with whatever federal tax law is adopted in the future which applies to the Bonds and affects the tax-exempt status of the Bonds.

The Board hereby authorizes the officials of the Village responsible for issuing the Bonds, the same being the President and Village Clerk, to make such further covenants and certifications regarding the specific use of the proceeds of the Bonds as approved by the Board and as may be necessary to assure that the use thereof will not cause the Bonds to be arbitrage bonds and to assure that the interest on the Bonds will be exempt from federal income taxation. In connection therewith, the Village and the Board further agree: (a) through their officers, to make such further specific covenants, representations as shall be truthful, and assurances as may be necessary or advisable; (b) to consult with counsel approving the Bonds and to comply with such advice as may be given; (c) to pay to the United States, as necessary, such sums of money representing required rebates of excess arbitrage profits relating to the Bonds; (d) to file such forms, statements, and supporting documents as may be required and in a timely manner; and (e) if deemed necessary or advisable by their officers, to employ and pay fiscal agents, financial advisors, attorneys, and other persons to assist the Village in such compliance.

Section 13. Designation of Issue. The Village hereby designates each of the Bonds as a “qualified tax-exempt obligation” for the purposes and within the meaning of Section 265(b)(3) of the Code.

Section 14. List of Bondholders. The Bond Registrar shall maintain a list of the names and addresses of the holders of all Bonds and upon any transfer shall add the name and address of the new Bondholder and eliminate the name and address of the transferor Bondholder.

Section 15. Duties of Bond Registrar. If requested by the Bond Registrar, the President and Village Clerk are authorized to execute the Bond Registrar’s standard form of agreement between the Village and the Bond Registrar with respect to the obligations and duties of the Bond Registrar hereunder which may include the following:

- (a) to act as bond registrar, authenticating agent, paying agent and transfer agent as provided herein;
- (b) to maintain a list of Bondholders as set forth herein and to furnish such list to the Village upon request, but otherwise to keep such list confidential;
- (c) to cancel and/or destroy Bonds which have been paid at maturity or submitted for exchange or transfer;
- (d) to furnish the Village at least annually a certificate with respect to Bonds cancelled and/or destroyed; and
- (e) to furnish the Village at least annually an audit confirmation of Bonds paid, Bonds outstanding and payments made with respect to interest on the Bonds.

Section 16. Continuing Disclosure Undertaking. The President or Village Treasurer is hereby authorized, empowered and directed to execute and deliver a Continuing Disclosure Undertaking under Section (b)(5) of Rule 15c2-12 adopted by the Securities and Exchange Commission pursuant to the Securities Exchange Act of 1934, as amended (the “*Continuing Disclosure Undertaking*”). When such Continuing Disclosure Undertaking is executed and delivered on behalf of the Village as herein provided, such Continuing Disclosure Undertaking

will be binding on the Village and the officers, employees and agents of the Village, and the officers, employees and agents of the Village are hereby authorized, empowered and directed to do all such acts and things and to execute all such documents as may be necessary to carry out and comply with the provisions of such Continuing Disclosure Undertaking as executed. Notwithstanding any other provision of this Ordinance, the sole remedies for failure to comply with such Continuing Disclosure Undertaking shall be the ability of the beneficial owner of any Bond to seek mandamus or specific performance by court order, to cause the Village to comply with its obligations under such Continuing Disclosure Undertaking.

Section 17. Record-Keeping Policy and Post-Issuance Compliance Matters. It is necessary and in the best interest of the Village to maintain sufficient records to demonstrate compliance with its covenants and expectations to ensure the appropriate federal tax status for the Bonds and other debt obligations of the Village, the interest on which is excludable from “gross income” for federal income tax purposes or which enable the Village or the holder to receive federal tax benefits, including, but not limited to, qualified tax credit bonds and other specified tax credit bonds (including the Bonds, the “*Tax Advantaged Obligations*”). Further, it is necessary and in the best interest of the Village that (i) the Board adopt policies with respect to record-keeping and post issuance compliance with the Village’s covenants related to its Tax Advantaged Obligations and (ii) the Compliance Officer (as hereinafter defined) at least annually review the Village’s Contracts (as hereinafter defined) to determine whether the Tax Advantaged Obligations comply with the federal tax requirements applicable to each issue of the Tax Advantaged Obligations. The Board and the Village hereby adopt the following Record-Keeping Policy and, in doing so, amend any similar Record-Keeping Policy or Policies heretofore adopted:

(a) *Compliance Officer Is Responsible for Records.* The Director of Finance of the Village (the “*Compliance Officer*”) is hereby designated as the keeper of all records of the Village with respect to each issue of the Tax Advantaged Obligations, and such officer

shall report to the Board at least annually that he/she has all of the required records in his/her possession, or is taking appropriate action to obtain or recover such records.

(b) *Closing Transcripts.* For each issue of Tax Advantaged Obligations, the Compliance Officer shall receive, and shall keep and maintain, a true, correct and complete counterpart of each and every document and agreement delivered in connection with the issuance of the Tax Advantaged Obligations, including without limitation (i) the proceedings of the Village authorizing the Tax Advantaged Obligations, (ii) any offering document with respect to the offer and sale of the Tax Advantaged Obligations, (iii) any legal opinions with respect to the Tax Advantaged Obligations delivered by any lawyers, and (iv) all written representations of any person delivered in connection with the issuance and initial sale of the Tax Advantaged Obligations.

(c) *Arbitrage Rebate Liability.* The Compliance Officer shall review the agreements of the Village with respect to each issue of Tax Advantaged Obligations and shall prepare a report for the Board stating whether or not the Village has any rebate liability to the United States Treasury, and setting forth any applicable exemptions that each issue of Tax Advantaged Obligations may have from rebate liability. Such report shall be updated annually and delivered to the Board.

(d) *Recommended Records.* The Compliance Officer shall review the records related to each issue of Tax Advantaged Obligations and shall determine what requirements the Village must meet in order to maintain the tax-exemption of interest paid on its Tax Advantaged Obligations, its entitlement to direct payments by the United States Treasury of the applicable percentages of each interest payment due and owing on its Tax Advantaged Obligations, and applicable tax credits or other tax benefits arising from its Tax Advantaged Obligations. The Compliance Officer shall then prepare a list of the contracts, requisitions, invoices, receipts and other information that may be needed in order to establish that the interest paid on the Tax Advantaged Obligations is entitled to be excluded from "gross income" for federal income tax purposes, that the Village is entitled to receive from the United States Treasury direct payments of the applicable percentages of interest payments coming due and owing on its Tax Advantaged Obligations, and the entitlement of holders of any Tax Advantaged Obligations to any tax credits or other tax benefits, respectively. Notwithstanding any other policy of the Village, such retained records shall be kept for as long as the Tax Advantaged Obligations relating to such records (and any obligations issued to refund the Tax Advantaged Obligations) are outstanding, plus three years, and shall at least include:

(i) complete copies of the transcripts delivered when any issue of Tax Advantaged Obligations is initially issued and sold;

(ii) copies of account statements showing the disbursements of all Tax Advantaged Obligation proceeds for their intended purposes, and records showing the assets and other property financed by such disbursements;

(iii) copies of account statements showing all investment activity of any and all accounts in which the proceeds of any issue of Tax Advantaged Obligations has been held or in which funds to be used for the payment of principal of or interest on any Tax Advantaged Obligations has been held, or which has provided security to the holders or credit enhancers of any Tax Advantaged Obligations;

(iv) copies of all bid requests and bid responses used in the acquisition of any special investments used for the proceeds of any issue of Tax Advantaged Obligations, including any swaps, swaptions, or other financial derivatives entered into in order to establish that such instruments were purchased at *fair market value*;

(v) copies of any subscriptions to the United States Treasury for the purchase of State and Local Government Series (SLGS) obligations;

(vi) any calculations of liability for *arbitrage rebate* that is or may become due with respect to any issue of Tax Advantaged Obligations, and any calculations prepared to show that no arbitrage rebate is due, together, if applicable, with account statements or cancelled checks showing the payment of any rebate amounts to the United States Treasury together with any applicable IRS Form 8038-T; and

(vii) copies of all contracts and agreements of the Village, including any leases (the “*Contracts*”), with respect to the use of any property owned by the Village and acquired, constructed or otherwise financed or refinanced with the proceeds of the Tax Advantaged Obligations effective at any time when such Tax Advantaged Obligations are, will or have been outstanding. Copies of contracts covering no more than 50 days of use and contracts related to Village employees need not be retained.

(e) *IRS Examinations or Inquiries.* In the event the IRS commences an examination of any issue of Tax Advantaged Obligations or requests a response to a compliance check, questionnaire or other inquiry, the Compliance Officer shall inform the Board of such event, and is authorized to respond to inquiries of the IRS, and to hire outside, independent professional counsel to assist in the response to the examination or inquiry.

(f) *Annual Review.* The Compliance Officer shall conduct an annual review of the Contracts and other records to determine for each issue of Tax Advantaged Obligations then outstanding whether each such issue complies with the federal tax requirements applicable to such issue, including restrictions on private business use, private payments and private loans. The Compliance Officer is expressly authorized, without further official action of the Board, to hire outside, independent professional counsel to assist in such review. To the extent that any violations or potential violations of federal tax requirements are discovered incidental to such review, the Compliance Officer may make recommendations or take such actions as the Compliance Officer shall reasonably deem necessary to assure the timely correction of such violations or potential violations through remedial actions described in the United States Treasury Regulations, or the Tax Exempt

Bonds Voluntary Closing Agreement Program described in Treasury Notice 2008-31 or similar program instituted by the IRS.

(g) *Training.* The Compliance Officer shall undertake to maintain reasonable levels of knowledge concerning the rules related to tax-exempt bonds (and build America bonds and tax credit bonds to the extent the Village has outstanding build America bonds or tax-credit bonds) so that such officer may fulfill the duties described in this Section. The Compliance Officer may consult with counsel, attend conferences and presentations of trade groups, read materials posted on various web sites, including the web site of the Tax Exempt Bond function of the IRS, and use other means to maintain such knowledge. Recognizing that the Compliance Officer may not be fully knowledgeable in this area, the Compliance Officer may consult with outside counsel, consultants and experts to assist him or her in exercising his or her duties hereunder. The Compliance Officer will endeavor to make sure that the Village's staff is aware of the need for continuing compliance. The Compliance Officer will provide copies of this Ordinance and the Tax Exemption Certificate and Agreement or other applicable tax documents for each series of Tax Advantaged Obligations then currently outstanding (the "*Tax Agreements*") to staff members who may be responsible for taking actions described in such documents. The Compliance Officer should assist in the education of any new Compliance Officer and the transition of the duties under these procedures. The Compliance Officer will review this Ordinance and each of the Tax Agreements periodically to determine if there are portions that need further explanation and, if so, will attempt to obtain such explanation from counsel or from other experts, consultants or staff.

(h) *Amendment and Waiver.* The procedures described in this Section are only for the benefit of the Village. No other person (including an owner of a Tax Advantaged Obligation) may rely on the procedures included in this Section. The Village may amend this Section and any provision of this Section may be waived, without the consent of the holders of any Tax Advantaged Obligations and as authorized by passage of an ordinance by the Board. Additional procedures may be required for Tax Advantaged Obligations the proceeds of which are used for purposes other than capital governmentally owned projects or refundings of such, including tax increment financing bonds, bonds financing output facilities, bonds financing working capital, or private activity bonds. The Village also recognizes that these procedures may need to be revised in the event the Village enters into any derivative products with respect to its Tax Advantaged Obligations.

Section 18. Defeasance. Any Bond or Bonds which (a) are paid and cancelled, (b) which have matured and for which sufficient sums been deposited with the Bond Registrar to pay all principal and interest due thereon, or (c) for which sufficient funds and Defeasance Obligations (as defined below) have been deposited with the Bond Registrar or similar institution to pay, taking into account investment earnings on such obligations, all principal of and interest on such Bond or Bonds when due at maturity, pursuant to an irrevocable escrow or trust agreement, shall cease to

have any lien on or right to receive or be paid from the Bond Fund or other available monies hereunder and shall no longer have the benefits of any covenant for the registered owners of outstanding Bonds as set forth herein as such relates to lien and security of the outstanding Bonds. All covenants relative to the tax-exempt status of the Bonds; and payment, registration, transfer, and exchange; are expressly continued for all Bonds whether outstanding Bonds or not. For purposes of this section, “*Defeasance Obligations*” means (a) noncallable, non-redeemable, direct and general full faith and credit obligations of the United States Treasury (“*Directs*”), (b) certificates of participation or trust receipts in trusts comprised wholly of Directs or (c) other noncallable, non-redeemable, obligations unconditionally guaranteed as to timely payment to maturity by the United States Treasury.

Section 19. Publication of Ordinance. A full, true, and complete copy of this Ordinance shall be published within ten days after passage in pamphlet form by authority of the Board.

Section 20. Severability. If any section, paragraph, clause or provision of this Ordinance shall be held invalid, the invalidity of such section, paragraph, clause or provision shall not affect any of the other provisions of this Ordinance.

Section 21. Superseder and Effective Date. All ordinances, resolutions, and orders, or parts thereof, in conflict herewith, are to the extent of such conflict hereby superseded; and this Ordinance shall be in full force and effect immediately upon its passage, approval, and publication.

ADOPTED: September 3, 2019

AYES: _____

NAYS: _____

ABSENT: _____

Approved: September 3, 2019

President, Village of Arlington Heights, Cook
County, Illinois

ATTEST:

Village Clerk, Village of Arlington Heights,
Cook County, Illinois

Published in pamphlet form by authority of the President and Board of Trustees on
September ____, 2019.

Recorded in the Village Records on September 3, 2019.

EXHIBIT A
FORM OF ESCROW LETTER AGREEMENT

September 18, 2019

UMB Bank, National Association
St. Louis, Missouri

Re: Village of Arlington Heights, Cook County, Illinois
\$7,895,000 General Obligation Refunding Bonds, Series 2019

Ladies and Gentlemen:

The Village of Arlington Heights, Cook County, Illinois (the “*Village*”), by an ordinance adopted by the President and Board of Trustees (the “*Board*”), on the 3rd day of September, 2019 (the “*Ordinance*”), has authorized the issue and delivery of \$7,895,000 General Obligation Refunding Bonds, Series 2019, dated September 18, 2019 (the “*Bonds*”). The Village has authorized by the Ordinance that proceeds of the Bonds be used to pay and redeem on December 1, 2019, \$9,345,000 of the Village’s outstanding and unpaid General Obligation Refunding Bonds, Series 2011, dated August 17, 2011, due serially on December 1 of the years and in the amounts and bearing interest as follows:

YEAR OF MATURITY	PRINCIPAL AMOUNT	INTEREST RATE
2022	\$1,000,000	4.00%
2023	2,450,000	4.00%
2024	2,520,000	4.00%
2025	1,895,000	4.00%
2026	1,480,000	4.00%

(the “*Refunded Bonds*”).

The Village hereby deposits with you \$9,387,569.98 from the proceeds of the Bonds and \$105,940.97 from funds of the Village on hand and lawfully available (together, the “*Deposit*”) and you are hereby instructed as follows with respect thereto:

1. Upon deposit, you are directed to purchase U.S. Treasury Securities State and Local Government Series Certificates of Indebtedness in the amount of \$9,493,510.00 and maturing as described on *Exhibit A* hereto (the “*Securities*”). You are further instructed to

fund a beginning cash escrow deposit on demand in the amount of \$0.95. The beginning deposit and the Securities are to be held in an irrevocable trust fund account (the “*Trust Account*”) for the Village to the benefit of the holders of the Refunded Bonds.

2. You shall hold the Securities and any interest income or profit derived therefrom and any uninvested cash in the Trust Account for the sole and exclusive benefit of the holders of the Refunded Bonds until redemption of the Refunded Bonds on December 1, 2019, is made.

3. The Village has called the Refunded Bonds for redemption and payment prior to maturity on December 1, 2019. You are hereby directed to cause the Prior Paying Agent (as hereinafter defined) to provide for and give timely notice of the call for redemption of the Refunded Bonds. The form and time of the giving of such notice regarding the Refunded Bonds shall be as specified in the resolution authorizing the issuance of the Refunded Bonds. The Village agrees to reimburse you for any actual out-of-pocket expenses incurred in the giving of such notice, but the failure of the Village to make such payment shall not in any respect whatsoever relieve you from carrying out any of the duties, terms or provisions of this Agreement.

4. In addition, you are hereby directed to cause the Prior Paying Agent to give notice of the call of the Refunded Bonds, on or before the date the notice of such redemption is given to the holders of the Refunded Bonds, to the Municipal Securities Rulemaking Board (the “*MSRB*”) through its Electronic Municipal Market Access system for municipal securities disclosure or through any other electronic format or system prescribed by the MSRB for purposes of Rule 15c2-12 adopted by the Securities and Exchange Commission under the Securities Exchange Act of 1934, as amended. Information with respect to procedures for submitting notice can be found at <https://msrb.org>.

5. You shall submit the sum of \$9,531,900.00 on December 1, 2019, to The Bank of New York Mellon Trust Company, National Association, Chicago, Illinois, as paying agent for the Refunded Bonds (the “*Prior Paying Agent*”), such sum being sufficient to pay the principal of and interest on the Refunded Bonds on such date and such remittance shall fully release and discharge you from any further duty or obligation thereto under this Agreement.

6. You shall make no payment of fees, due or to become due, of the bond registrar and paying agent on the Bonds or the Refunded Bonds. The Village shall pay the same as they become due.

7. If at any time it shall appear to you that the funds on deposit in the Trust Account will not be sufficient to pay the principal of, interest on or redemption premium on the Refunded Bonds, you shall notify the Village not less than five (5) days prior to such payment date and the Village shall make up the anticipated deficit from any funds legally available for such purpose so that no default in the making of any such payment will occur.

8. Upon final disbursement of funds sufficient to pay the Refunded Bonds as hereinabove provided for, you shall transfer any balance remaining in the Trust Account to the Village and thereupon this Agreement shall terminate.

Very truly yours,

VILLAGE OF ARLINGTON HEIGHTS, COOK
COUNTY, ILLINOIS

By _____
President, Village of Arlington Heights,
Cook County, Illinois

By _____
Village Clerk, Village of Arlington Heights,
Cook County, Illinois

Accepted this 18th day of September, 2019.

UMB BANK, NATIONAL ASSOCIATION,
St. Louis, Missouri

By _____
Its _____

STATE OF ILLINOIS)
) SS
COUNTY OF COOK)

CERTIFICATION OF ORDINANCE AND MINUTES

I, the undersigned, do hereby certify that I am the duly qualified and acting Village Clerk of the Village of Arlington Heights, Cook County, Illinois (the “*Village*”), and as such official I am the keeper of the records and files of the President and Board of Trustees of the Village (the “*Board*”).

I do further certify that the foregoing constitutes a full, true and complete transcript of the minutes of the meeting of the Board held on the 3rd day of September, 2019, insofar as same relates to the adoption of Ordinance No. _____ entitled:

AN ORDINANCE providing for the issuance of \$7,985,000 General Obligation Refunding Bonds, Series 2019, of the Village of Arlington Heights, Cook County, Illinois, for the purpose of refunding certain outstanding bonds of said Village, providing for the levy and collection of a direct annual tax sufficient to pay the principal and interest on said bonds, and authorizing the sale of said bonds to the purchaser thereof.

a true, correct and complete copy of which said ordinance as adopted at said meeting appears in the foregoing transcript of the minutes of said meeting.

I do further certify that the deliberations of the Board on the adoption of said ordinance were conducted openly, that the vote on the adoption of said ordinance was taken openly, that said meeting was held at a specified time and place convenient to the public, that notice of said meeting was duly given to all of the news media requesting such notice, that an agenda for said meeting was posted at the location where said meeting was held and at the principal office of the Board at least 96 hours in advance of the holding of said meeting, that at least one copy of said agenda was continuously available for public review during the entire 96 -hour period preceding said meeting, that said agenda contained a separate specific item concerning the proposed adoption of said ordinance, a true, correct and complete copy of the agenda as so posted being attached hereto as *Exhibit A*, that said meeting was called and held in strict compliance with the provisions the Open Meetings Act of the State of Illinois, as amended, and with the provisions of the Illinois Municipal Code, as amended, and that the Board has complied with all of the applicable provisions of said Act and said Code and its procedural rules in the adoption of said ordinance.

IN WITNESS WHEREOF, I hereunto affix my official signature and the seal of the Village,
this 3rd day of September, 2019.

[SEAL]

Village Clerk

STATE OF ILLINOIS)
) SS
COUNTY OF COOK)

CERTIFICATE OF PUBLICATION IN PAMPHLET FORM

I, the undersigned, do hereby certify that I am the duly qualified and acting Village Clerk of the Village of Arlington Heights, Cook County, Illinois (the “*Village*”), and as such official I am the keeper of the official journal of proceedings, books, records, minutes, and files of the Village and of the President and Board of Trustees (the “*Corporate Authorities*”) thereof.

I do further certify that on the ____ day of September, 2019, there was published in pamphlet form, by authority of the Corporate Authorities, a true, correct and complete copy of Ordinance No. _____ of the Village entitled:

AN ORDINANCE providing for the issuance of \$7,985,000 General Obligation Refunding Bonds, Series 2019, of the Village of Arlington Heights, Cook County, Illinois, for the purpose of refunding certain outstanding bonds of said Village, providing for the levy and collection of a direct annual tax sufficient to pay the principal and interest on said bonds, and authorizing the sale of said bonds to the purchaser thereof.

as adopted by the Corporate Authorities on the 3rd day of September, 2019, providing for the issuance of \$7,985,000 General Obligation Refunding Bonds, Series 2019, of the Village, and that said ordinance as so published was on said date readily available for public inspection and distribution, in sufficient number to meet the needs of the general public, at my office as Village Clerk located in the Village.

IN WITNESS WHEREOF I have affixed hereto my official signature and the seal of the Village this ____ day of September, 2019.

Village Clerk

STATE OF ILLINOIS)
) SS
COUNTY OF COOK)

FILING CERTIFICATE

I, the undersigned, do hereby certify that I am the duly qualified and acting County Clerk of The County of Cook, Illinois, and as such official I do further certify that on the ____ day of September, 2019, there was filed in my office a duly certified copy of Ordinance No. _____ entitled:

AN ORDINANCE providing for the issuance of \$7,985,000 General Obligation Refunding Bonds, Series 2019, of the Village of Arlington Heights, Cook County, Illinois, for the purpose of refunding certain outstanding bonds of said Village, providing for the levy and collection of a direct annual tax sufficient to pay the principal and interest on said bonds, and authorizing the sale of said bonds to the purchaser thereof.

duly adopted by the President and Board of Trustees of the Village of Arlington Heights, Cook County, Illinois, on the 3rd day of September, 2019, and approved by the President, and that the same has been deposited in (and all as appearing from) the official files and records of my office.

IN WITNESS WHEREOF, I hereunto affix my official signature and the seal of said County, this ____ day of September, 2019.

[SEAL]

County Clerk of The County of Cook, Illinois

EXTRACT OF MINUTES of a regular public meeting of the President and Board of Trustees of the Village of Arlington Heights, Cook County, Illinois, held at the Village Hall, 33 South Arlington Heights Road, in said Village, at 8:00 o'clock P.M. on the 3rd day of September, 2019.

The President called the meeting to order and directed the Village Clerk to call the roll.

Upon the roll being called, Thomas W. Hayes, the President, and the following Trustees answered present at said location: _____

The following Trustees were allowed by a majority of the President and Board of Trustees (the “Board”) in accordance with and to the extent allowed by rules adopted by the Board to attend the meeting by video or audio conference: _____

No Trustee was not permitted to attend the meeting by video or audio conference.

The following Trustees were absent and did not participate in the meeting in any manner or to any extent whatsoever: _____

The President announced that a proposal had been received from Morgan Stanley & Co. LLC, New York, New York, for the purchase of \$7,985,000 general obligation refunding bonds to be issued by the Village pursuant to the home rule powers of the Village under Section 6 of Article VII of the Illinois Constitution of 1970, the Illinois Municipal Code and the Local Government Debt Reform Act for the purpose of refunding certain of the Village’s outstanding bonds, and that the Board would consider the adoption of an ordinance providing for the issue of said bonds and the levy of a direct annual tax sufficient to pay the principal and interest thereon.

The President also summarized the pertinent terms of said proposal and said bonds, including the length of maturity, rates of interest, purchase price and tax levy for said bonds.

WHEREUPON Trustee _____ presented and the Village Clerk made available to the Trustees and interested members of the public, complete copies of an ordinance entitled:

AN ORDINANCE providing for the issuance of \$7,985,000 General Obligation Refunding Bonds, Series 2019, of the Village of Arlington Heights, Cook County, Illinois, for the purpose of refunding certain outstanding bonds of said Village, providing for the levy and collection of a direct annual tax sufficient to pay the principal and interest on said bonds, and authorizing the sale of said bonds to the purchaser thereof.

(the “Bond Ordinance”).

Trustee _____ then moved and Trustee _____ seconded the motion that the Bond Ordinance as presented be adopted.

After a full discussion thereof, the President directed that the roll be called for a vote upon the motion to adopt the Bond Ordinance.

Upon the roll being called, the following Trustees voted AYE: _____

and the following Trustees voted NAY: _____

WHEREUPON, the President declared the motion carried and the Bond Ordinance adopted, and henceforth did approve and sign the same in open meeting, and did direct the Village Clerk to record the same in full in the records of the President and Board of Trustees of the Village of Arlington Heights, Cook County, Illinois.

Other business was duly transacted at said meeting.

Upon motion duly made and carried, the meeting adjourned.

Village Clerk