

APPROVED PUD ADDITIONS & APPROVED ELECTRIC SIGN DESIGN



ARLINGTON HEIGHTS PARK DISTRICT (AHPD)

Board of Commissioners
 Maryfran H. Leno-President
 Timothy A. Gelinas-Vice President
 Brian J. Owen-Commissioner
 Robert J. Nesvacil-Commissioner
 John T. Supplitt-Commissioner

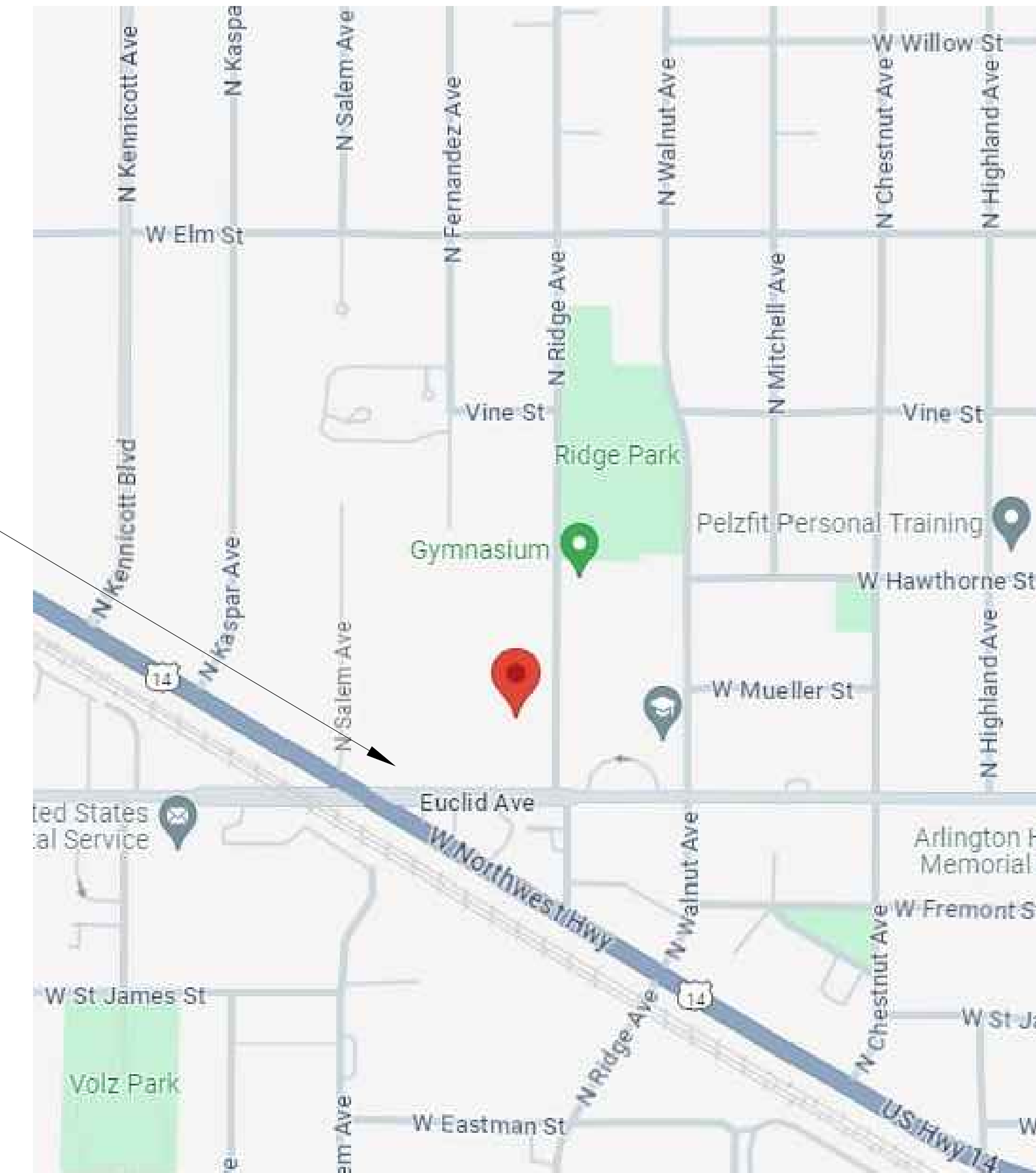
Executive Director
 Carrie A. Fullerton, CPRE

Director of Parks and Planning
 John Kramer

- ISSUE FOR PERMIT- DRAWINGS**
- C-1 SIGN COVER PLAN
 - EX-1 EXISTING CONDITIONS PLAN - 750 W. NW HWY
 - EX-2 EXISTING CONDITIONS PLAN - ARC PUD
 - EX-3 EX. CONDITIONS - GRANT OF EASEMENT
 - ES-1 SIGN SITE PLAN
 - ES-2 TREE PRESERVATION PLAN
 - ES-3 SIGN LANDSCAPE PLAN
 - ~~ES-4 GROUND SIGN TO ELECTRIC SIGN EXHIBIT~~
 - ~~ES-5 ELECTRIC SIGN ELEVATION~~
 - ~~ES-6 REFERENCE PHOTOS EX SITE~~
 - ES-7 SIDEWALK STAKEHOLDER EXHIBIT
 - EL-1 ELECTRICAL SITE PLAN
 - EL-2 ELECTRIC SCHEDULES
 - EL-3 ELECTRIC SCHEDULES & LIGHT DETAIL
 - IR-1 IRRIGATION SITE PLAN
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 - ~~PU-1 PUD MASTER PLAN~~
 - ~~P-1 PERSPECTIVE VIEWS~~

NEW SIGN LOCATION
 LEGACY PARK & ARC
 660 N. Ridge Ave.
 Arlington Heights, IL 60004

Site Location Map



See SIGN2025-00043 Application for Sign specific information.

Building Previously Removed under BLD2024-00202

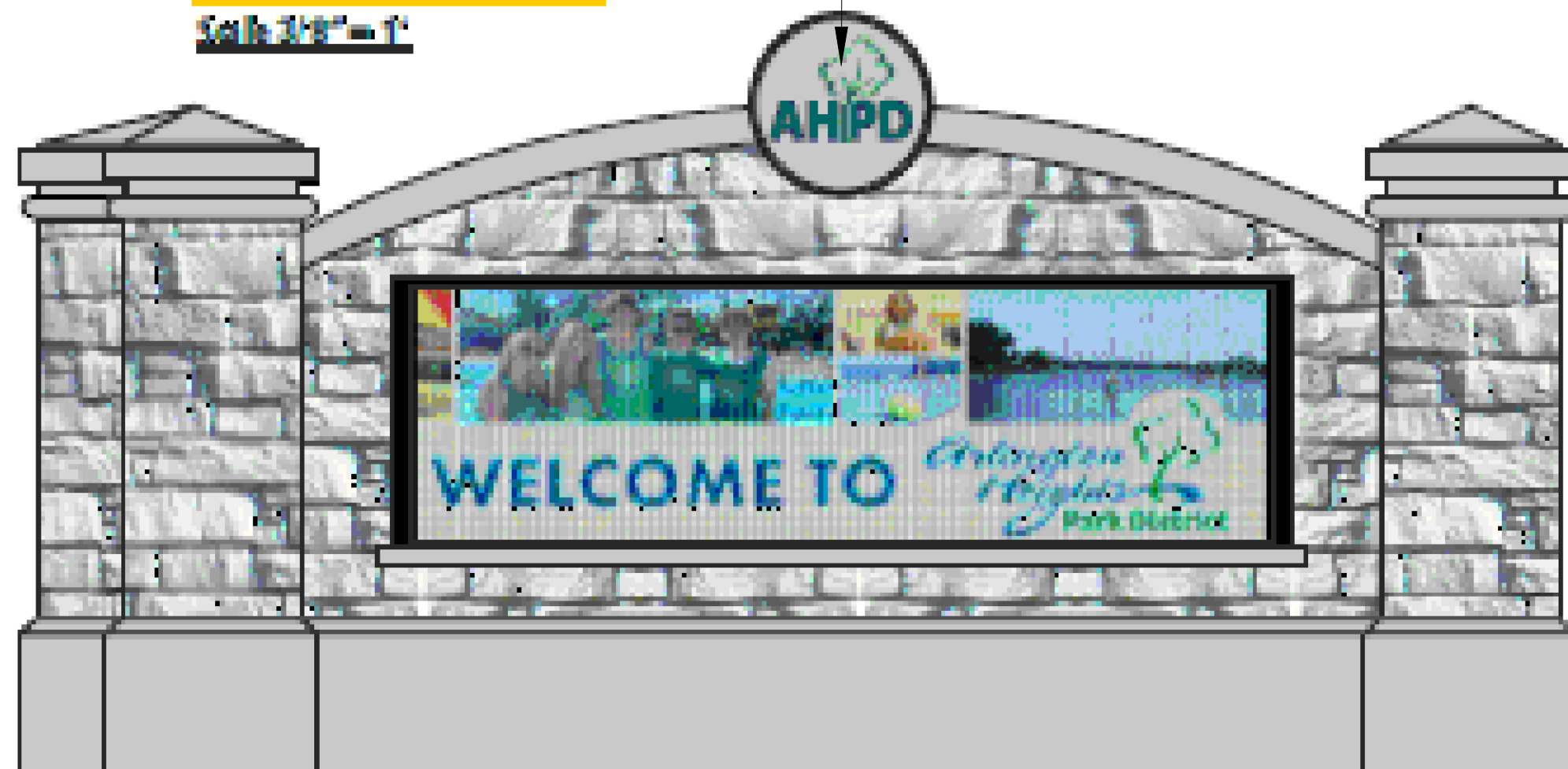
AHPD LOGO

Monument Sign - V Shaped Orientation

Full masonry + BMC

Final Proposed

Scale 1/8" = 1'



**FINAL ELECTRIC SIGN -
DESIGN COMMISSION APPROVED**

Project
 AHPD ADDITION
 TO LEGACY/ARC
 PUD & ELECTRIC
 SIGN PLANS

Issues & Revisions		
#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION
#4	04.08.25	EDITS-FOR PERMIT



Scale: Not To Scale

ISSUED FOR PERMIT - CONSTRUCTION
APRIL 8, 2025



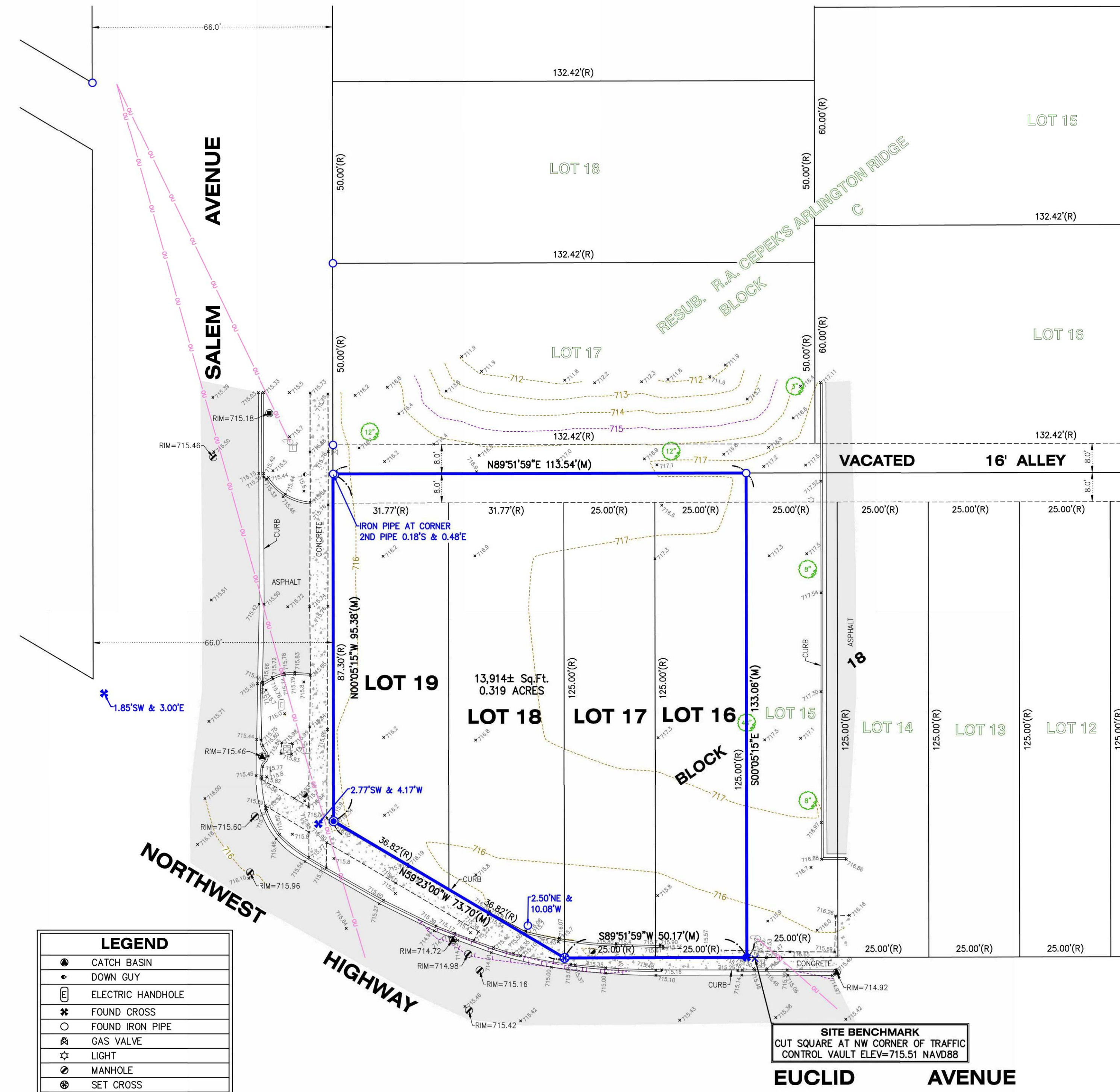
Sheet Title
 COVER PLAN

Date: April 8, 2025

C-1

BOUNDARY AND TOPOGRAPHIC SURVEY

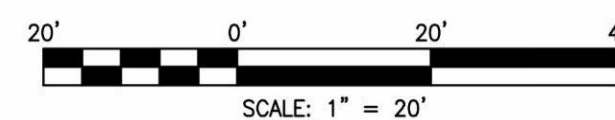
Lots 16, 17, 18 and 19, also the South Half of the vacated alley lying North of and adjoining Lots 16, 17, 18, and 19 in Block 18 in R.A. Cepek's Arlington Ridge Subdivision, being a Subdivision of part of the West Half (except the East 33 feet thereof) of the Northeast Quarter of the South Half of the Northwest Quarter of Section 30, Township 42 North, Range 11 East of the Third Principal Meridian, according to the plat there of recorded September 2, 1925, as Document Number 270771, in Cook County, Illinois.



LEGEND	
	CATCH BASIN
	DOWN GUY
	ELECTRIC HANDHOLE
	FOUND CROSS
	FOUND IRON PIPE
	GAS VALVE
	LIGHT
	MANHOLE
	SET CROSS
	SET IRON BAR
	SIGN
	STORM MANHOLE
	TELEPHONE RISER
	TRAFFIC CONTROL BOX
	TRAFFIC SIGNAL POLE
	TREE
	UTILITY POLE
(R)	RECORD
(M)	MEASURE
OU	OVERHEAD UTILITIES

CLIENT: ARLINGTON HEIGHTS PARK DISTRICT
DRAWN BY: SES CHECKED BY: APG
SCALE: 1"=20' SEC. 30 T. 42 R. 11 E.
BASIS OF BEARING: IL EAST ZONE NAD83 (2011)
P.I.N.: 03-30-228-019; -020, -021
JOB NO.: 241104-A I.D. TPB
FIELDWORK COMP.: 2/27/25 BK. PG.
ALL DISTANCES SHOWN IN FEET AND DECIMAL PARTS THEREOF CORRECTED TO 68° F.

PROJECT BENCHMARK
NATIONAL GEODETIC
CONTROL STATION "LD020"
ELEV=734.95 NAVD88



NOTE: Only those Building Line Restrictions or Easements shown on a Recorded Subdivision Plat are shown hereon unless the description ordered to be surveyed contains a proper description of the required building lines or easements.

- No distance should be assumed by scaling.
- No underground improvements have been located unless shown and noted.
- No representation as to ownership, use, or possession should be hereon implied.
- This Survey and Plat of Survey are void without original embossed or colored seal and signature affixed.

Compare your description and site markings with this plat and AT ONCE report any discrepancies which you may find.

STATE OF ILLINOIS)
COUNTY OF McHENRY) S.S.

In my professional opinion, and based on my observations, I hereby certify that we have surveyed the premises above described, and that the plat hereon is a true representation of the said survey. This professional service conforms to the current Illinois minimum standards for a boundary and topographic survey.

Dated at Woodstock, McHenry County, Illinois 2/28 A.D., 20 25.

Vanderstappen Land Surveying Inc.
Design Firm No. 184-002792

By: *Arthur P. Grimmer*
Illinois Professional Land Surveyor No. 3857



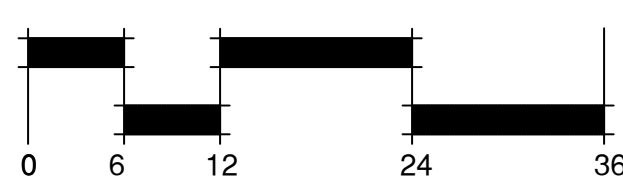
Project
AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

750 W. NW HWY LAND ADDITION, TO BE AMENDED FOR THE PLANNED UNIT DEVELOPMENT OF ARC PUD

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#4	04.08.25	EDITS-FOR PERMIT



Scale: 1" = 12'



Sheet Title
750 W. NW HWY LAND ADDITION, EXISTING CONDITIONS PLAN

Date: April 8, 2025

EX-1

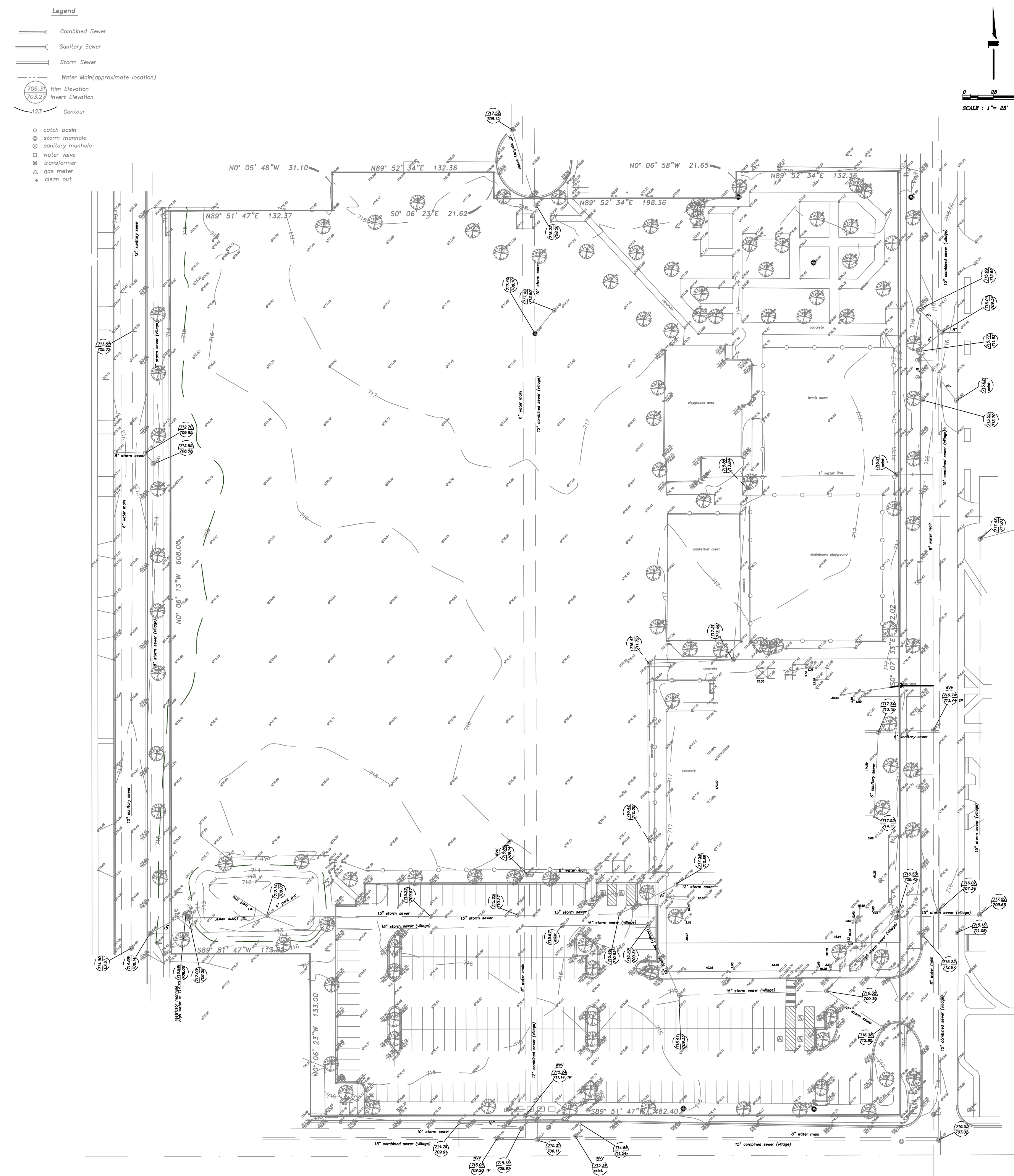
NORMAN J. TOBERMAN & ASSOC.
 SEPTEMBER 13, 2017



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 TO LEGACY/ARC
 PUD & ELECTRIC
 SIGN PLANS**

**750 W. NW HWY
 LAND ADDITION,
 TO BE AMENDED
 FOR THE
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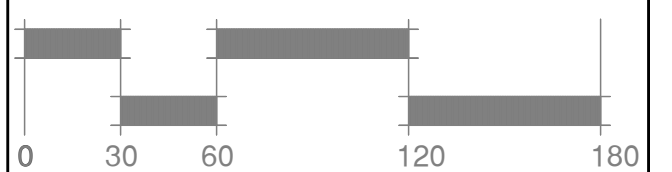


Topographical Survey
 of

State of Illinois } ss.
 County of Cook }
 I, David Bryant, an Illinois Professional Land Surveyor, do hereby certify that I
 have performed a topographical survey of the property described in the caption
 of this plat and this plat is a correct representation of said survey.
 dated at Arlington Heights, Illinois, this 16th day of September, 2017
 by _____
 an Illinois Professional Land Surveyor No. 2846



Scale: 1" = 60'



Sheet Title
**ARC PUD AT
 LEGACY PARK,
 EXISTING
 CONDITIONS
 PLAN**

Date: April 8, 2025

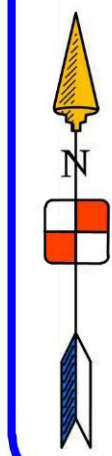
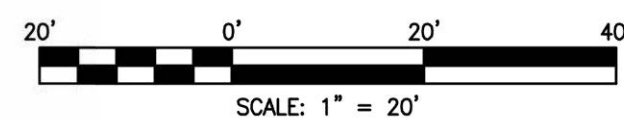
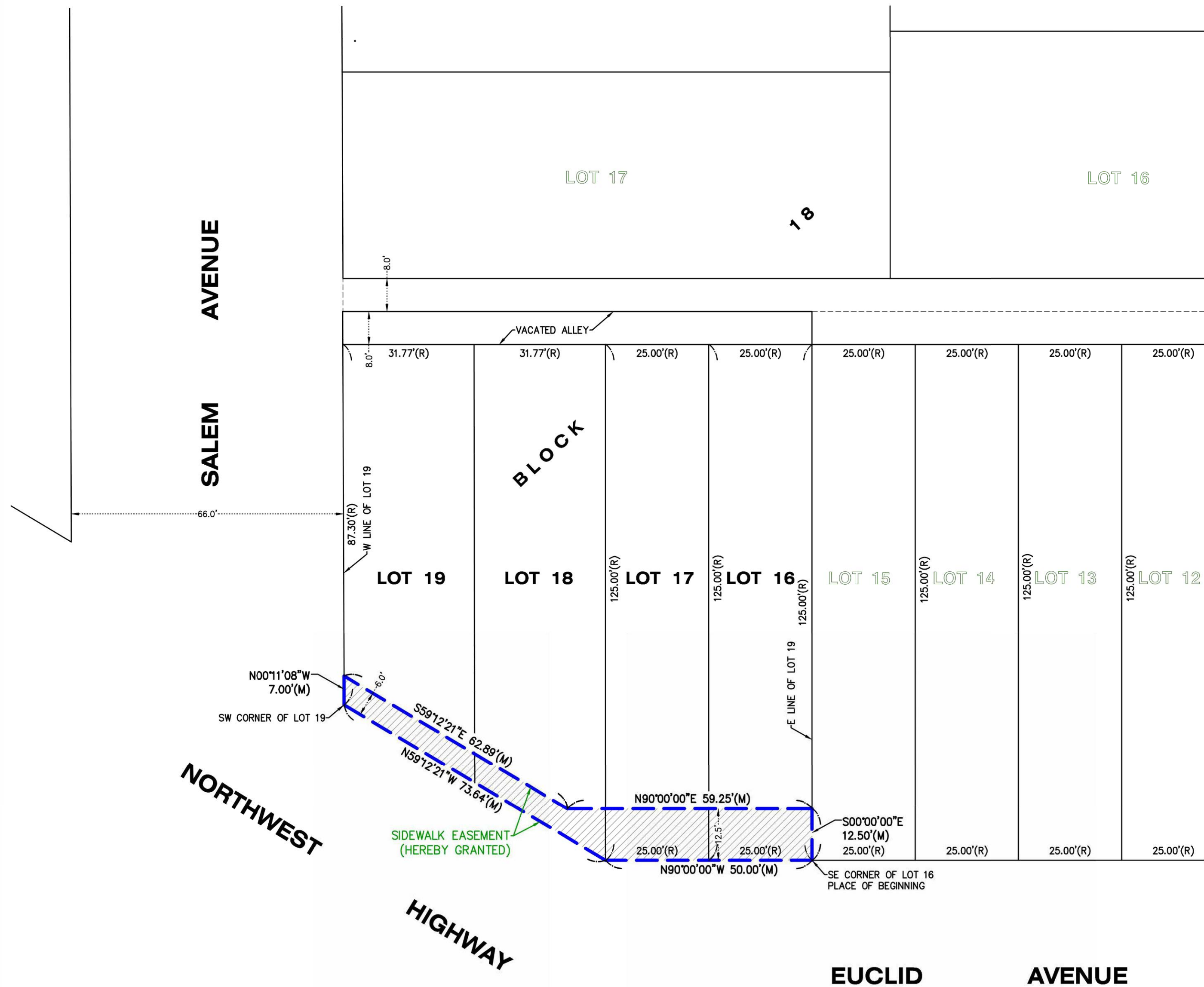
EX-2



PLAT OF EASEMENT

LEGAL DESCRIPTION OF EASEMENT:

A Sidewalk Easement of that part of Lots 16, 17, 18 and 19 in Block 18 in R.A. Cepak's Arlington Ridge Subdivision, being a Subdivision of part of the West Half (except the East 33 feet thereof) of the Northeast Quarter of the South Half of the Northwest Quarter of Section 30, Township 42 North, Range 11 East of the Third Principal Meridian, according to the plat there of recorded September 2, 1925, as Document Number 270771, described as follows: Beginning at the Southeast corner of said Lot 16; thence North 00 degrees 00 minutes 00 seconds West along the South line of said Lots 16 and 17, a distance of 50.00 feet; thence North 59 degrees 12 minutes 21 seconds West along the South line of Lots 18 and 19, a distance of 73.64 feet to the Southwest corner of said Lot 19; thence North 00 degrees 11 minutes 08 seconds West along the West line of said Lot 19, a distance of 7.00 feet; thence South 59 degrees 12 minutes 21 seconds East along a line parallel line with the South line of Lots 18 and 19, a distance of 62.89 feet; thence North 90 degrees 00 minutes 00 seconds East along a line parallel with said Lots 16 and 17, a distance of 59.25 feet to the East line of said Lot 16; thence South 00 degrees 00 minutes 00 seconds East along the said East line of Lot 16, a distance of 12.50 feet to the Place of Beginning, in Cook County, Illinois.



CLIENT: ARLINGTON HEIGHTS PARK DISTRICT
DRAWN BY: PJD CHECKED BY: APG
SCALE: 1"=20' SEC. 30 T. 42 R. 11 E.
BASIS OF BEARING: I.L. EAST ZONE NAD83 (2011)
P.I.N.: 03-30-228-019, 020, 021
JOB NO.: 241104 I.D. PEA
FIELDWORK COMP.: N/A BK. PG.
ALL DISTANCES SHOWN IN FEET AND DECIMAL
PARTS THEREOF CORRECTED TO 68 F.



STATE OF ILLINOIS)) S.S.
COUNTY OF McHENRY)
I hereby state that we have platted the premises above described, and that the plat hereon is a true representation of the said description.
This is not a Boundary Survey
Dated at Woodstock, McHenry County, Illinois 01/06 A.D., 2025.
Vanderstappen Land Surveying, Inc.
Design Firm No. 184-002792
By: Arthur P. Gruttmacher
Illinois Professional Land Surveyor No. 3857

VANDERSTAPPEN LAND SURVEYING, INC.
JANUARY 6, 2025



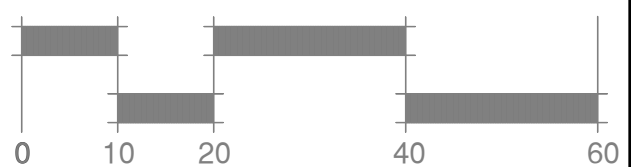
Project
AHPD ADDITION
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750 W. NW HWY
LAND ADDITION,
TO BE AMENDED
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Scale: 1" = 20'



Sheet Title
750 W.
NORTHWEST
HWY - GRANT OF
EASEMENT

Date: April 8, 2025

EX-3

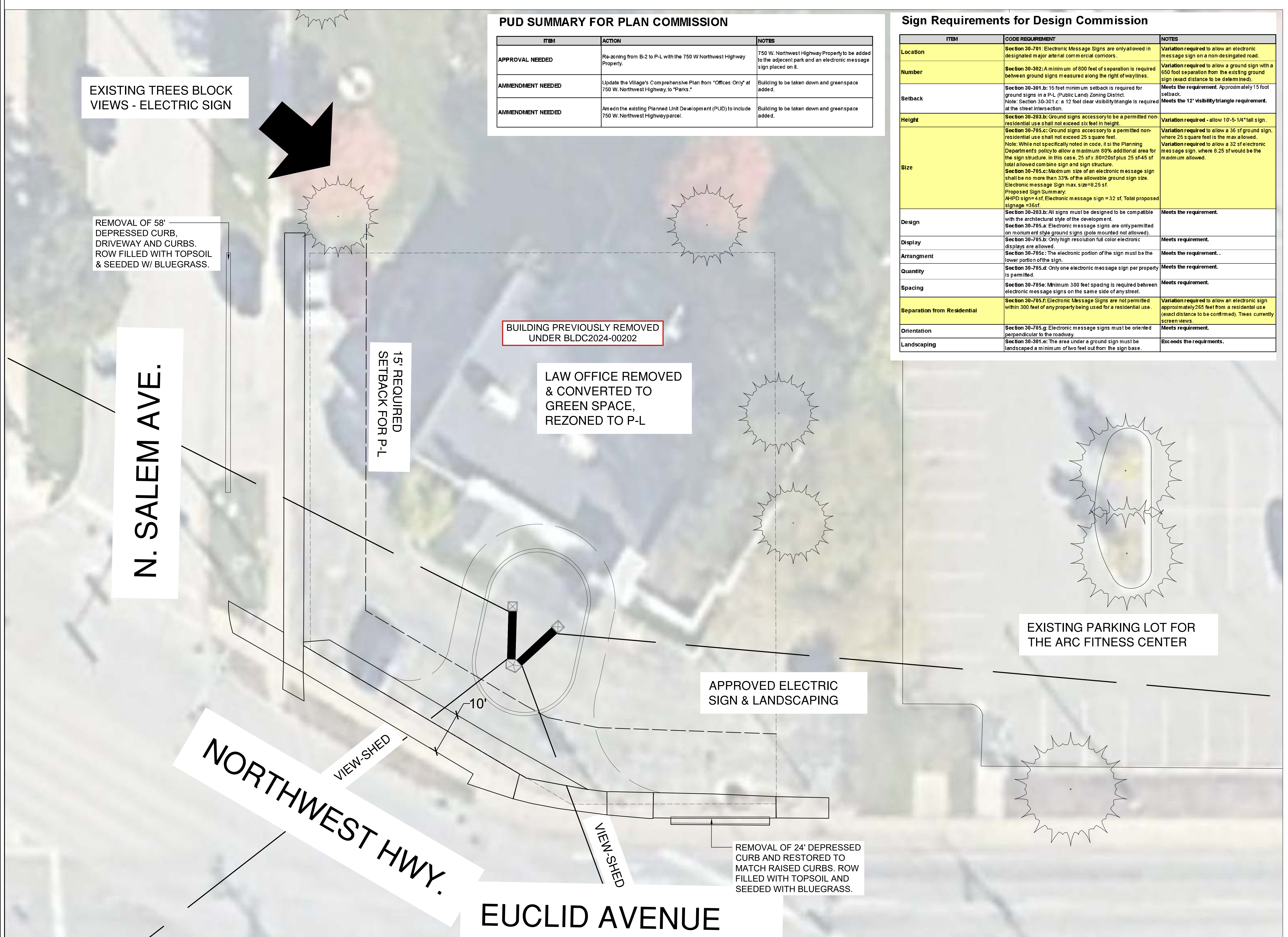
Issues & Revisions		
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PUD SUMMARY FOR PLAN COMMISSION

ITEM	ACTION	NOTES
APPROVAL NEEDED	Re-zoning from B-2 to P-L with the 750 W Northwest Highway Property.	750 W Northwest Highway Property to be added to the adjacent park and an electronic message sign placed on it.
AMMENDMENT NEEDED	Update the Village's Comprehensive Plan from "Offices Only" at 750 W Northwest Highway, to "Parks."	Building to be taken down and greenspace added.
AMMENDMENT NEEDED	Amend the existing Planned Unit Development (PUD) to include 750 W Northwest Highway parcel.	Building to be taken down and greenspace added.

Sign Requirements for Design Commission

ITEM	CODE REQUIREMENT	NOTES
Location	Section 30-701: Electronic Message Signs are only allowed in designated major arterial commercial corridors.	Variation required to allow an electronic message sign on a non-designated road.
Number	Section 30-302: A minimum of 800 feet of separation is required between ground signs measured along the right of waylines.	Variation required to allow a ground sign with a 650 foot separation from the existing ground sign (exact distance to be determined).
Setback	Section 30-301.b: 15 feet minimum setback is required for ground signs in a P-L (Public Land) Zoning District. Note: Section 30-301.c: a 12 foot clear visibility triangle is required at the street intersection.	Meets the requirement. Approximately 15 foot setback. Meets the 12' visibility triangle requirement.
Height	Section 30-203.b: Ground signs accessory to a permitted non-residential use shall not exceed six feet in height. Section 30-705.c: Ground signs accessory to a permitted non-residential use shall not exceed 25 square feet. Note: While not specifically noted in code, it is the Planning Department's policy to allow a maximum 80% additional area for the sign structure. In this case, 25 sf x 80=20sf plus 25 sf=45 sf total allowed combine sign and sign structure. Section 30-705.c: Maximum size of an electronic message sign shall be no more than 33% of the allowable ground sign size. Electronic message sign max. size=8.25 sf. Proposed Sign Summary: AHPD sign=4 sf. Electronic message sign = 32 sf. Total proposed signage =36sf.	Variation required - allow 10'-5-1/4" tall sign. Variation required to allow a 36 sf ground sign, where 25 square feet is the max allowed. Variation required to allow a 32 sf electronic message sign, where 8.25 sf would be the maximum allowed.
Design	Section 30-203.b: All signs must be designed to be compatible with the architectural style of the development. Section 30-705.a: Electronic message signs are only permitted on monument style ground signs (pole mounted not allowed).	Meets the requirement.
Display	Section 30-705.b: Only high resolution full color electronic displays are allowed.	Meets requirement.
Arrangement	Section 30-705.c: The electronic portion of the sign must be the lower portion of the sign.	Meets the requirement.
Quantity	Section 30-705.d: Only one electronic message sign per property is permitted.	Meets the requirement.
Spacing	Section 30-705e: Minimum 300 feet spacing is required between electronic message signs on the same side of any street.	Meets requirement.
Separation from Residential	Section 30-705.f: Electronic Message Signs are not permitted within 300 feet of any property being used for a residential use.	Variation required to allow an electronic sign approximately 265 feet from a residential use (exact distance to be confirmed). Trees currently screen views.
Orientation	Section 30-705.g: Electronic message signs must be oriented perpendicular to the roadway.	Meets requirement.
Landscaping	Section 30-301.a: The area under a ground sign must be landscaped a minimum of two feet out from the sign base.	Exceeds the requirements.



EXISTING TREES BLOCK VIEWS - ELECTRIC SIGN

REMOVAL OF 58' DEPRESSED CURB, DRIVEWAY AND CURBS. ROW FILLED WITH TOPSOIL & SEEDED W/ BLUEGRASS.

N. SALEM AVE.

15' REQUIRED SETBACK FOR P-L

BUILDING PREVIOUSLY REMOVED UNDER BLDC2024-00202

LAW OFFICE REMOVED & CONVERTED TO GREEN SPACE, REZONED TO P-L

APPROVED ELECTRIC SIGN & LANDSCAPING

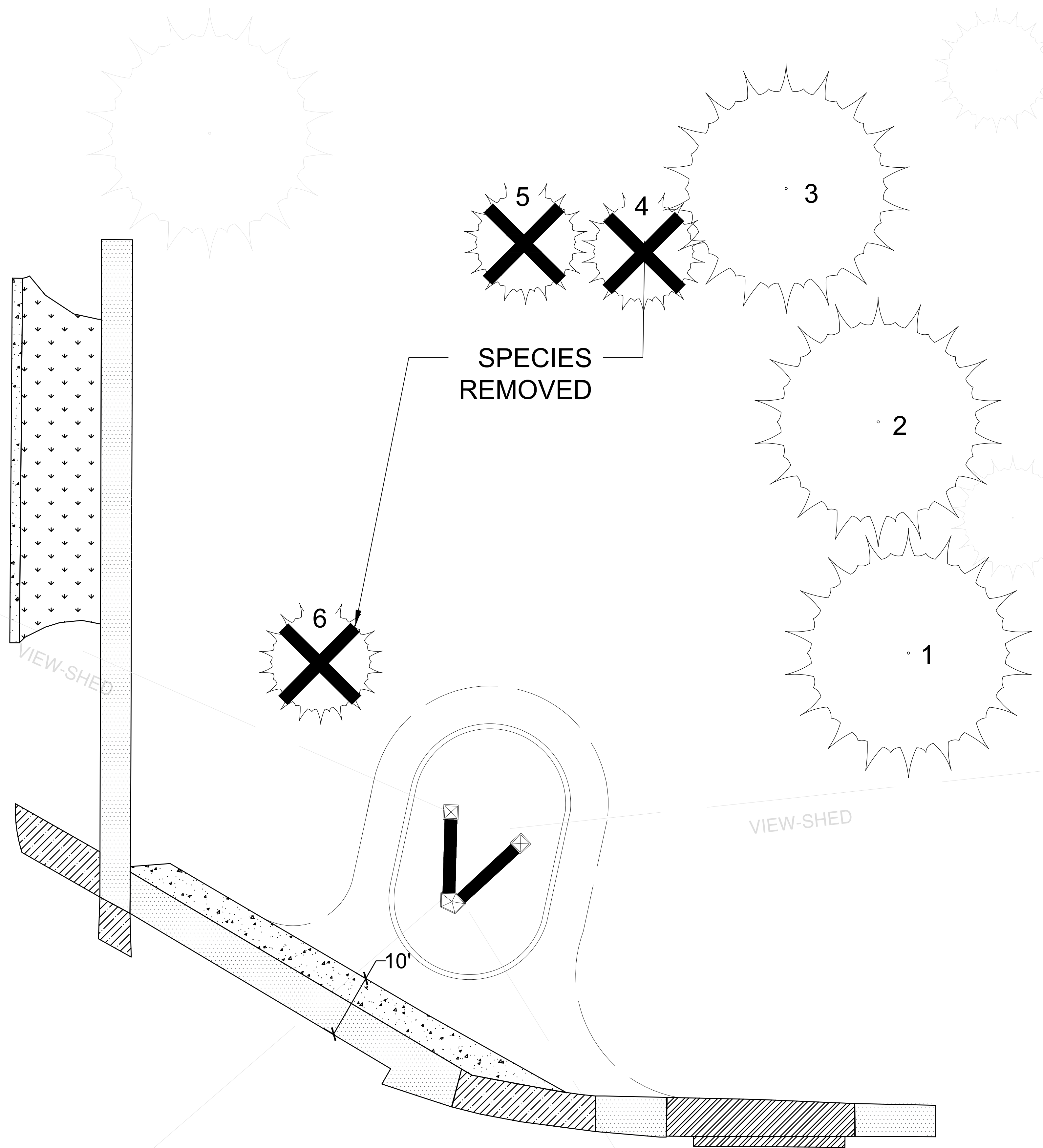
EXISTING PARKING LOT FOR THE ARC FITNESS CENTER

NORTHWEST HWY.

EUCLID AVENUE

REMOVAL OF 24' DEPRESSED CURB AND RESTORED TO MATCH RAISED CURBS. ROW FILLED WITH TOPSOIL AND SEEDED WITH BLUEGRASS.

DOUBLE SIDED ELECTRIC SIGN & NEW LEGACY PARK ACQUISITION



EXISTING TREE INVENTORY

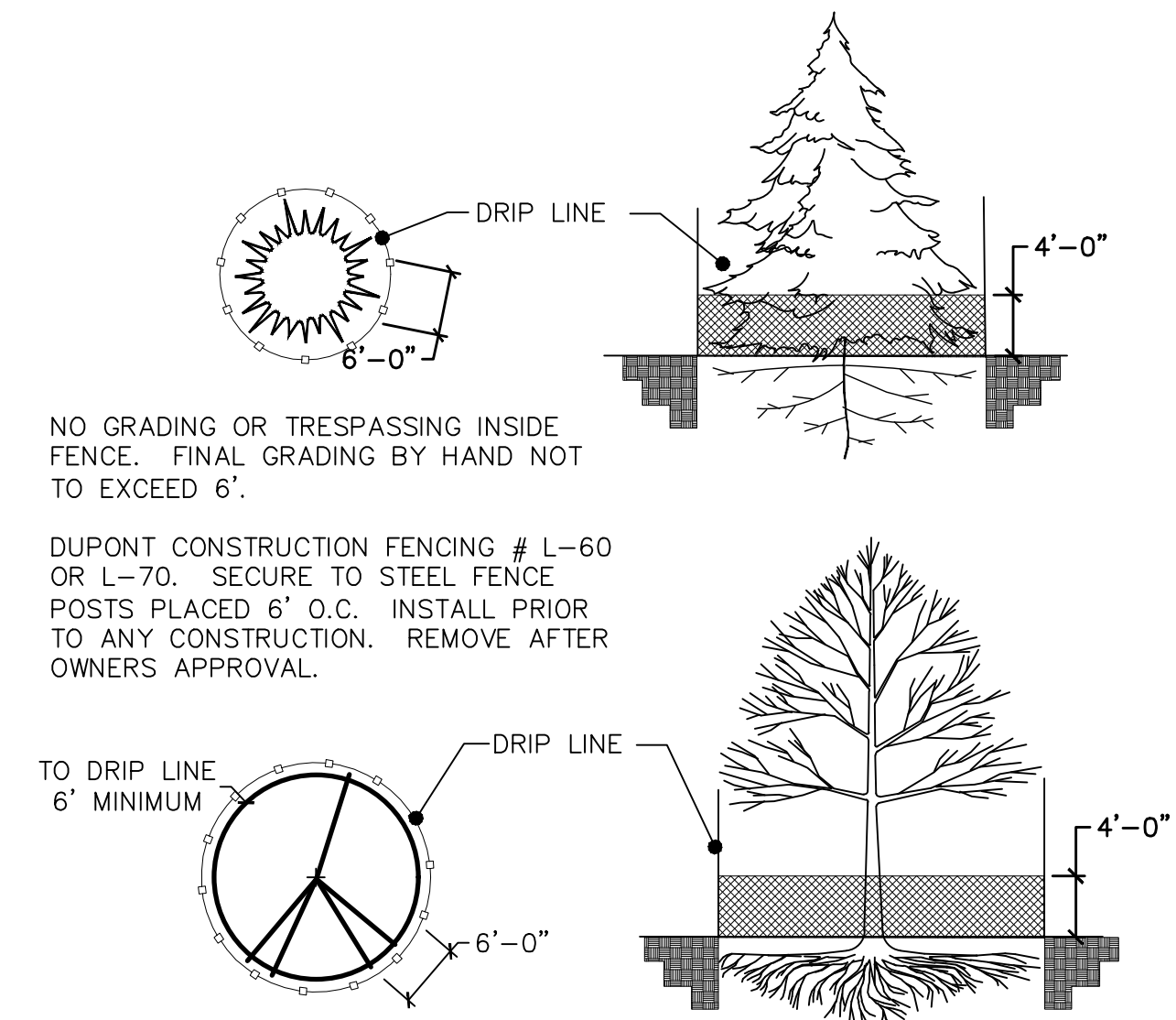
Tree Inventory & Preservation Schedule

Tag#	Condition	Botanical name	Common name	DBH (inches)	Remove/Protect	Preservation Strategy	Replacement Qty.
1	Excellent	Gleditsia triacanthos	Common Honeylocust	40"	Protect	Tree Protection & Root Prune	0
2	Excellent	Acer rubrum	Red Maple	18"	Protect	Tree Protection & Root Prune	0
3	Excellent	Acer rubrum	Red Maple	13"	Protect	Tree Protection & Root Prune	0
4	Good	Allanthus altissima	Tree of Heaven (INVASIVE SPECIES)	4"	Removed	None	Not applicable
5	Fair	Malus species	Crabapple	7"	Removed	Unable to save during Demo	1 Serviceberry
6	Fair	Malus species	Crabapple	8"	Removed	Unable to save during Demo	1 Serviceberry

SITE PREPARATION AND REMOVALS NOTES

- CONTRACTOR SHALL INSTALL CONSTRUCTION FENCE AT THE LIMITS OF CONSTRUCTION PRIOR TO BEGINNING WORK. MAINTAIN AND ADJUST CONSTRUCTION FENCING AS NEEDED DURING PROGRESS OF CONSTRUCTION. STAGING AND CONSTRUCTION ACCESS SHALL BE APPROVED BY THE OWNER.
- CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING AS SHOWN ON THE PLANS PRIOR TO BEGINNING WORK, THEN MAINTAIN IT THROUGHOUT THE DURATION OF THE PROJECT. STORAGE OF MATERIALS, VEHICULAR ACCESS AND ALL OTHER CONSTRUCTION ACTIVITIES ARE STRICTLY PROHIBITED WITHIN THE LIMITS OF THE TREE PROTECTION FENCING.
- PLANS INDICATE GENERAL LOCATION AND LIMITS OF REMOVALS. CONTRACTOR SHALL PERFORM REMOVALS ONLY AS NECESSARY FOR CONSTRUCTION OF PROPOSED IMPROVEMENTS. NO ADDITIONAL PAYMENTS WILL BE MADE FOR REMOVALS OR RESTORATION NOT REQUIRED TO CONSTRUCT THE IMPROVEMENTS AS DRAWN AND SPECIFIED. REFER TO SITE PLAN FOR MORE SPECIFIC INFORMATION REGARDING PROPOSED IMPROVEMENTS AND TO VERIFY CONDITIONS IN THE FIELD PRIOR TO PERFORMING REMOVALS.
- SAWCUT AND REMOVE CONCRETE PAVING TO NEAREST JOINT WHERE INDICATED. ALL SAW CUTS REQUIRED FOR REMOVAL ITEMS TO BE INCLUDED IN THE UNIT COST OF THAT PARTICULAR PAY ITEM.
- TREE STUMPS SHALL BE GROUND TO A MINIMUM DEPTH OF 18 INCHES BELOW EXISTING GRADE OR AS REQUIRED TO PROPERLY PERFORM THE WORK.
- CONTRACTOR TO WALK THE SITE WITH LANDSCAPE ARCHITECT AND OWNER TO REVIEW ROOT PRUNING LIMITS PRIOR TO PERFORMING ROOT PRUNING.
- REMOVE AND DISPOSE OF TURF WHERE PLANTING BEDS ARE DESIGNATED. REFER TO PLANTING PLAN FOR LIMITS OF PROPOSED LANDSCAPE IMPROVEMENTS.
- WHERE TURF AND PLANTINGS ARE PROPOSED IN EXISTING PAVED AREAS, REMOVE ALL BASE MATERIAL.
- REMOVE ALL UTILITIES DESIGNATED FOR REMOVAL TO EXTENT REQUIRED FOR IMPROVEMENTS, UNLESS OTHERWISE NOTED. CAP ENDS OF ANY UNDERGROUND CONDUIT AND PIPING, AND PULL ALL ELECTRICAL WIRE OUT AT SOURCE.
- ITEMS INDICATED FOR REMOVAL SHALL INCLUDE COMPLETE REMOVAL OF ABOVE GRADE ITEM AND BELOW GRADE APPURTANCES (FOUNDATIONS, URBAN FILL, WIRING, PIPING, ETC.) INCLUDING DISPOSAL OFF-SITE FOLLOWING APPLICABLE CODES AND ORDINANCES, UNLESS OTHERWISE SHOWN ON THE PLANS.
- ITEMS INDICATED AS REMOVE AND SALVAGE SHALL INCLUDE CAREFUL PROTECTION, REMOVAL AND STORAGE OF ITEMS. FOR REINSTALL ITEMS, CONTRACTOR SHALL STORE DURING CONSTRUCTION. ALL OTHER SALVAGE ITEMS SHALL BE DELIVERED TO LOCATION AS INDICATED BY OWNER UNLESS OTHERWISE SHOWN ON THE PLANS.
- CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND ALL OTHER SITE FEATURES NOT DESIGNATED FOR REMOVAL. CONTRACTOR IS RESPONSIBLE FOR REPLACING/REPAIRING ANY EXISTING UTILITIES OR OTHER SIDE FEATURES DAMAGED DURING CONSTRUCTION TO THE ORIGINAL CONDITION AT NO COST TO THE OWNER.
- CONTRACTOR RESPONSIBLE FOR MAINTAINING EXISTING UTILITY SERVICES (ELECTRICAL, SANITARY, STORM) DURING CONSTRUCTION UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL COORDINATE ALL WORK SO PUBLIC SIDEWALK REMAINS OPEN THROUGHOUT CONSTRUCTION.
- REFER TO UTILITY PLANS FOR ADDITIONAL UTILITY ADJUSTMENTS AND REMOVALS.
- REFER TO SPECIFICATIONS FOR ADDITIONAL CONDITIONS, STANDARDS AND NOTES, IF APPLICABLE.

TYPICAL TREE PROTECTION CONSTRUCTION DETAIL



1 CONSTRUCTION & TREE PROTECTION FENCE NOT TO SCALE



Project

AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

Date: 4-8-2024
License expires, 8-31-2025



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Scale: 1" = 10'



Sheet Title

ELECTRIC SIGN TREE PRESERVATION PLAN

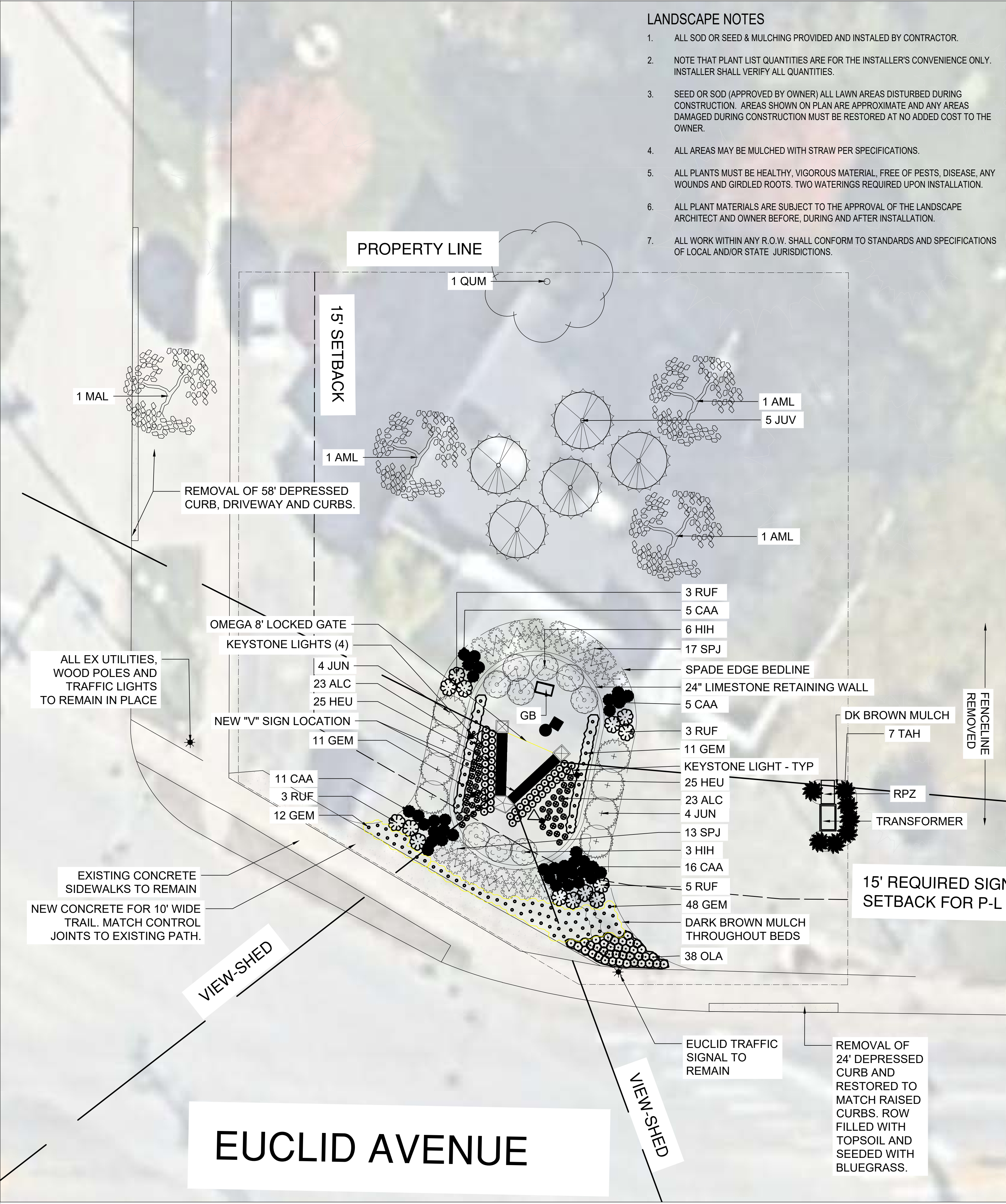
Date: April 8, 2025

ES-2

V-SHAPED ELECTRIC SIGN & NEW LEGACY PARK ACQUISITION

LANDSCAPE NOTES

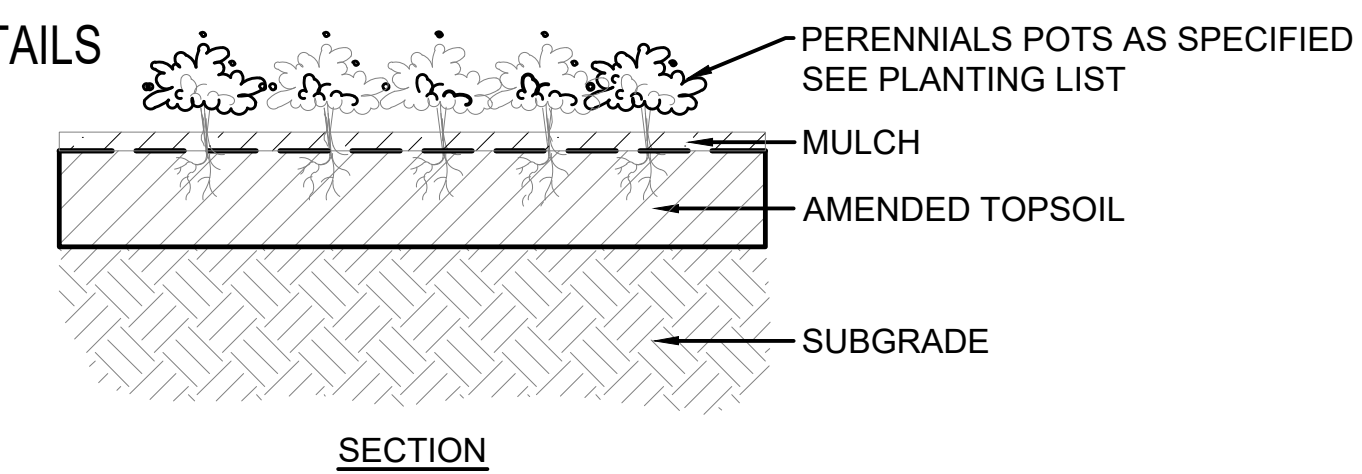
1. ALL SOD OR SEED & MULCHING PROVIDED AND INSTALLED BY CONTRACTOR.
2. NOTE THAT PLANT LIST QUANTITIES ARE FOR THE INSTALLER'S CONVENIENCE ONLY. INSTALLER SHALL VERIFY ALL QUANTITIES.
3. SEED OR SOD (APPROVED BY OWNER) ALL LAWN AREAS DISTURBED DURING CONSTRUCTION. AREAS SHOWN ON PLAN ARE APPROXIMATE AND ANY AREAS DAMAGED DURING CONSTRUCTION MUST BE RESTORED AT NO ADDED COST TO THE OWNER.
4. ALL AREAS MAY BE MULCHED WITH STRAW PER SPECIFICATIONS.
5. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS, DISEASE, ANY WOUNDS AND GIRDLED ROOTS. TWO WATERINGS REQUIRED UPON INSTALLATION.
6. ALL PLANT MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER BEFORE, DURING AND AFTER INSTALLATION.
7. ALL WORK WITHIN ANY R.O.W. SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTIONS.



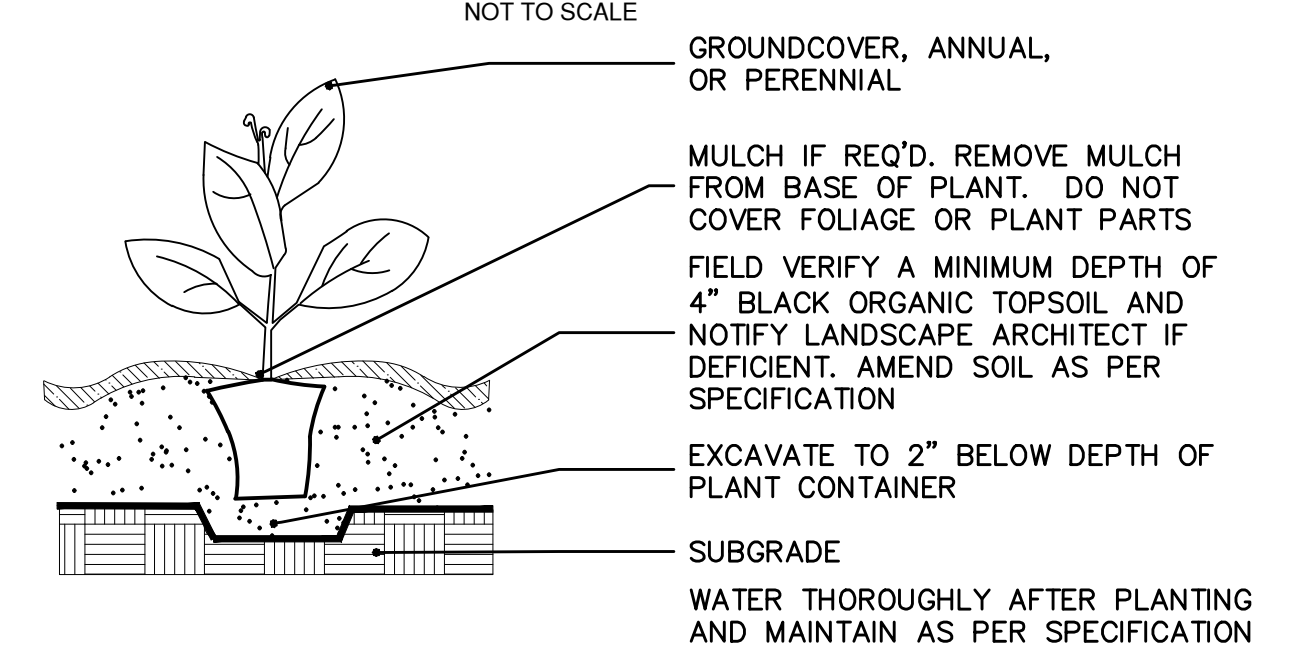
LANDSCAPE PLANT PICTURES



LANDSCAPE DETAILS



1 GROUNDCOVER/PERENNIAL/PLANTING LAYOUT



2 GROUNDCOVER/PERENNIAL/ANNUAL

Plant Schedule

Legacy Park Electric Sign

Qty.	Symbol	Botanical name	Common name	Size	Notes
DECIDUOUS TREES					
1	QUM	Quercus macrocarpa	Bur Oak	2 1/2" caliper	B&B
EVERGREEN TREES					
5	JUV	Juniper virginiana 'Cupressifolia'	Hillspire Eastern Red Cedar	6' Clump	B&B
ORNAMENTAL TREES					
3	AML	Amelanchier laevis	Allegheny Serviceberry	6' Clump	B&B
1	MAL	Malus 'Sutyzam'	Sugar Tyme Crabapple	2 1/2" Caliper	B&B
SHRUBS					
9	HIH	Hibiscus 'Holy Grail'	Rose Mallow	5 Gallon	#5
30	SPJ	Spirea japonica 'Tracy'	Double Play Big Bang Spirea	3 Gallon	#3
7	TAH	Taxus x Media 'Hicksii'	Hicks Yew	5 Gallon	#3
ORNAMENTAL GRASSES					
37	CAA	Carex albicans	White Tinged Sedge	10 flat	#1
PERENNIALS					
46	ALC	Allium cernuum	Nodding Wild Onion	1 Gallon	#1
70	GEM	Geranium sanguineum 'Max Frei'	Max Frei Bloody Cranesbill	1 Gallon	#1
50	HEC	Heuchera 'Caramel'	Caramel Alumroot	1 Gallon	#1
38	OLA	Oligoneuron album	White Goldenrod	38 flat	#1
14	RUF	Rudbeckia fulgida var speciosa	Showy Black-eyed Susan	1 Gallon	#1
EVERGREEN GROUNDCOVER					
8	JUN	Juniper procumbens 'Nana'	Dwarf Japanese Garden Juniper	3 Gallon	#3



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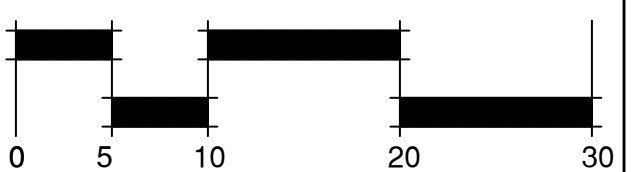
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#3	02.26.25	EDITS-PLAN COMMISSION
#4	04.08.25	EDITS-FOR PERMIT



Scale: 1" = 10'



Sheet Title

ELECTRIC SIGN LANDSCAPE PLAN

Date: April 8, 2025

ES-3

V-SHAPED ELECTRIC SIGN & NEW LEGACY PARK ACQUISITION



Project
**AHPD ADDITION
 TO LEGACY/ARC
 PUD & ELECTRIC
 SIGN PLANS**

AHPD NEW CURB LIMITS -
 REMOVAL OF 58' LF
 DEPRESSED CURB &
 RESTORED TO MATCH RAISED
 CURBS. ASPHALT DRIVE AND
 CURB REMOVED. ROW FILLED
 WITH TOPSOIL & SEEDED WITH
 BLUEGRASS AS SHOWN.

EXISTING SIDEWALK TO
 REMAIN - TYPICAL.

ALL EXISTING UTILITIES
 AND WOOD POLES TO
 REMAIN - TYPICAL.

IDOT ADA & BUTTON
 RAMP IMPROVEMENTS.

AHPD WORK -EX CURB TO REMOVE
 AND NEW SIDEWALK AS SHOWN TO
 LINE UP WITH EXISTING WALK.

IDOT WORK -
 REMOVAL.

EX PATH - TO REMAIN

KEYSTONE LIGHTS (4)
 NEW "V" SIGN LOCATION

24" LIMESTONE RETAINING WALL

KEYSTONE LIGHT - TYP

10'

GRANT OF EASEMENT

FENCELINE
 REMOVED

ALL EXISTING UTILITIES
 AND WOOD POLES TO
 REMAIN - TYPICAL.

EXISTING SIDEWALK TO
 REMAIN - TYPICAL.
 MEET AT GRADE

NEW CURB LIMITS-VAH
 REMOVE & REPLACE 24' LF
 DEPRESSED CURB & GUTTER,
 PLUS 6 SIDEWALK SQUARES.
 MATCH EX. RAISED CURBS &
 MEET AT GRADES.

PROPOSED PUBLIC CROSSWALK
 BY IDOT- NEW CONCRETE

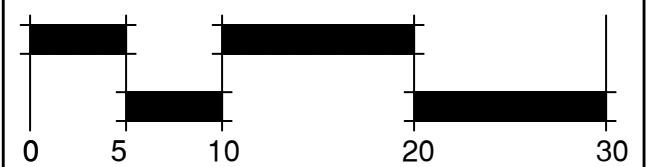
IDOT ADA CROSSWALK
 IMPROVEMENTS - TRAFFIC
 LIGHT TO REMAIN.

EUCLID TRAFFIC
 SIGNAL TO
 REMAIN

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Sheet Title

**ELECTRIC SIGN
 SIDEWALK
 STAKEHOLDER
 EXHIBIT**

Date: April 8, 2025

ES-7

N. SALEM AVE.

NORTHWEST HWY.

EUCLID AVENUE

SHEET NOTES (X)

1. EXISTING UTILITY COMPANY POLE TO REMAIN.
2. UTILITY COMPANY OVERHEAD ELECTRIC.
3. EXISTING UTILITY COMPANY POLE WITH TRANSFORMER TO REMAIN.
4. SERVICE CONDUIT AND WIRE. SEE SHEET E2.0.
5. PROVIDE FREE STANDING CONTROL CABINET FOR NEW METER, PANEL "A", SPD, TIMER AND IRRIGATION CONTROLLER. VERIFY EXACT PANEL LOCATION AND ORIENTATION WITH LANDSCAPE ARCHITECT. SEE SHEET E2.0. FURNISH AND INSTALL CONCRETE FOUNDATION TO MOUNT CONTROL CABINET. SEE SHEET E2.0.
6. PROVIDE TWO (2) 1 1/2" (ONE FOR IRRIGATION CONTROL WIRING) AND (8) EIGHT 1" CONDUIT STUBS FROM PANEL TO LANDSCAPED AREA FOR FUTURE. CAP AND STAKE.
7. FURNISH AND INSTALL UNDERGROUND SERVICE CONDUIT AND CABLE ROUTED UP EXISTING UTILITY POLE TO UTILITY COMPANY POLE MOUNTED TRANSFORMER(S). VERIFY EXACT POLE TO BRING SERVICE FROM WITH COMED. COORDINATE INSTALLATION AND VERIFY ALL REQUIREMENTS WITH UTILITY COMPANY. SEE SHEET E2.0.
8. PROPOSED MONUMENT SIGN.
9. FURNISH AND INSTALL NEMA 3R DISCONNECT SWITCH SURFACE MOUNTED WITH UNDERGROUND FEED TO MONUMENT SIGN. COORDINATE EXACT ROUTING TO SIGN WITH SIGN SUPPLIER PRIOR TO INSTALLATION.
10. 1" C-2#8+1#8 GRD.
11. 1" C-2#8+1#8 GRD TO PANEL A.
12. FURNISH AND INSTALL GFCI TAMPER AND WEATHER RESISTANT RECEPTACLE WITH LOCKABLE COVER. COVER SHALL BE HUBBELL #WP262E. RECEPTACLE SURFACE MOUNTED 18" ABOVE FINISH GRADE IN WEATHERPROOF CAST BOX AT SIGN. VERIFY EXACT LOCATION AT SIGN WITH LANDSCAPE ARCHITECT.
13. 1" C-2#10+1#10 GRD TO PANEL A VIA TIMER A.
14. FURNISH AND INSTALL GRADE MOUNTED MONUMENT LIGHT FIXTURE. FURNISH AND INSTALL CONCRETE FOUNDATION. SEE DETAIL ON SHEET E3.0. VERIFY EXACT LOCATION WITH LANDSCAPE ARCHITECT/OWNER PRIOR TO INSTALLATION.
15. 1" C-2#10+1#10 GRD TO GRADE BOX.
16. FURNISH AND INSTALL IN-GRADE BOX FLUSH WITH GRADE. COORDINATE EXACT LOCATION WITH LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN.
17. 1" C-2#10+1#10 GRD. CONNECT ACCENT LIGHTING FIXTURES TO PANEL A. ACCENT LED FIXTURES CONTROLLED VIA TIMER "A".

GENERAL NOTES

- A. THIS DRAWING DOES NOT PURPORT TO SHOW ALL EXISTING LIGHT FIXTURES, RECEPTACLES, JUNCTION BOXES, SWITCHES, ETC. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND BE RESPONSIBLE FOR ALL REQUIRED ELECTRICAL DEMOLITION WORK. CONTRACTOR SHALL ALSO FIELD VERIFY ALL CONDUITS, CABLES, ETC. THAT ARE PASSING THROUGH THIS AREA AND SERVE ADJACENT AREAS THAT ARE REQUIRED TO REMAIN.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW WORK WITH EXISTING CONDITIONS.
- C. CONDUIT ROUTING IS DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND ADJUST AS REQUIRED.
- D. CONTRACTOR SHALL BE AWARE OF POSSIBLE CONFLICTS BETWEEN NEW AND EXISTING UTILITIES AS REQUIRED. PROTECT ALL EXISTING UTILITIES AS REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES BEFORE BEGINNING WORK. ANY UTILITIES DAMAGED BY CONTRACTOR SHALL BE REPAIRED BY CONTRACTOR TO OWNERS SATISFACTION.
- E. ALL DAMAGED AND DIRTIED CONCRETE SIDEWALKS, ASPHALT, STAIRS, PAVERS, ETC., DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR.
- F. ALL ELECTRICAL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL AMENDMENTS IN EFFECT AT THE TIME OF CONSTRUCTION.
- G. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL PERMIT AND COORDINATING SITE INSPECTIONS THROUGH THE VILLAGE OF ARLINGTON HEIGHTS.
- H. ELECTRICAL SERVICE INSTALLATION SHALL MEET THE VILLAGE OF ARLINGTON HEIGHTS CODE OF ORDINANCES REQUIREMENTS.
- I. SEE MONUMENT SIGN DRAWINGS ETC. FOR ADDITIONAL WORK REQUIRED BY THE ELECTRICAL CONTRACTOR FOR THE SIGN. VERIFY MANUFACTURER, MODEL NUMBER, STYLE, COLOR, ACCESSORIES, OPTIONS, ETC. WITH LANDSCAPE ARCHITECT & G.C. PRIOR TO ORDERING, ROUGH-IN, OR INSTALLATION. COORDINATE LOCATION AND INSTALLATION WITH MONUMENT SIGN SUPPLIER.
- J. VERIFY ALL LOCATIONS OF LIGHT FIXTURES WITH LANDSCAPE ARCHITECT/ OWNER PRIOR TO ROUGH-IN.

LEGEND

(X) DENOTES SHEET NOTE TAG



410 North Arlington Heights Road
847-577-3000

Project

AHPD ELECTRIC SIGN PROPOSAL AND ADDITION TO OLYMPIC/ARC PUD

750 W. NORTHWEST HIGHWAY
ARLINGTON HEIGHTS, IL 60004

Date: 10-08-2024

License expires, 11-30-2025



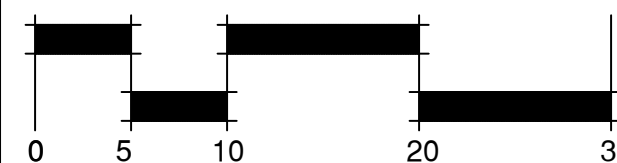
2338 CLINE AVENUE
SCHERERVILLE, IN 46375
phone: 219-865-3352
fax: 219-865-3454

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Sheet Title

ELECTRICAL SITE PLAN - ELECTRIC SIGN

Date: April 8, 2025

EL-1

Project
AHPD ELECTRIC SIGN PROPOSAL AND ADDITION TO OLYMPIC/ARC PUD
750 W. NORTHWEST HIGHWAY
ARLINGTON HEIGHTS, IL 60004

Date: 10-08-2024
License expires, 11-30-2025



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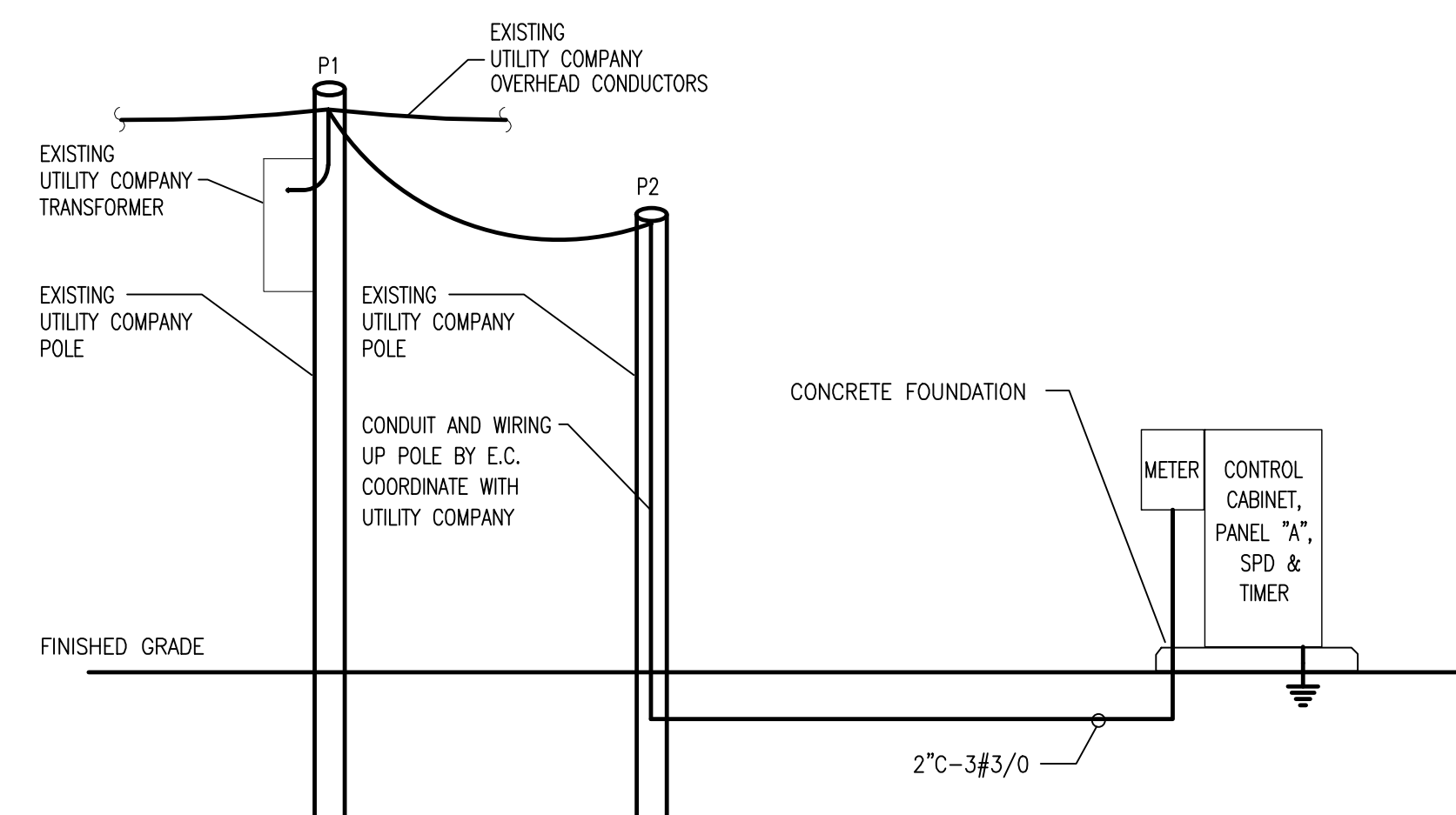
Sheet Title

ELECTRICAL SCHEDULES

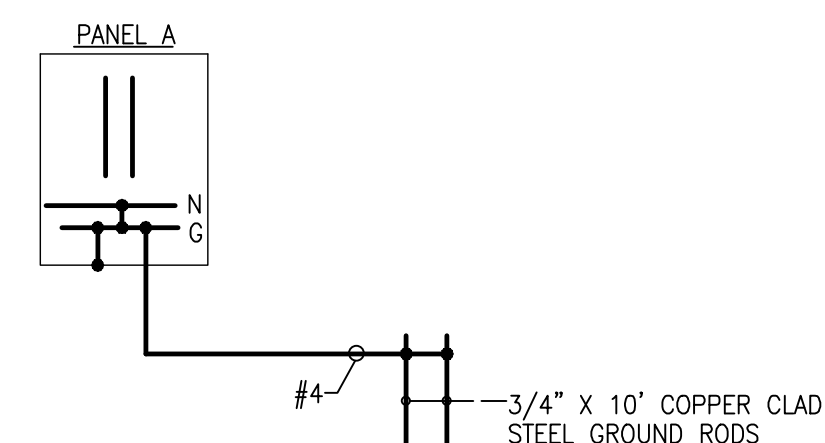
Date: April 8, 2025

EL-2

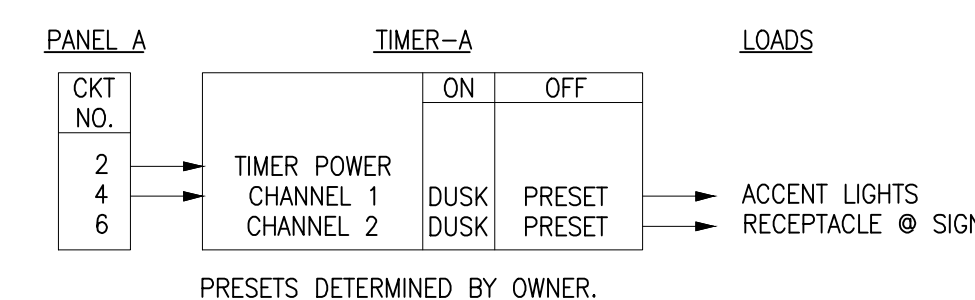
PANELBOARD A				
VOLTAGE: 240/120V, 1 PHASE, 3 WIRE				
MAIN: 200A MCB				
65KAIC SERIES RATED				
MOUNTING SURFACE				
CKT NO.	LOAD DESCRIPTION	C/B	LOAD VA	
			L1	L2
1	LIGHT FIXTURE CABINET	20A/1P	150	-
3	CABINET RECEPTACLE	20A/1P	-	180
5	CABINET HEATER	20A/1P	100	-
7	IRRIGATION CONTROLLER	20A/1P	-	200
9	MONUMENT SIGN	45A/1P	4080	-
11	SPARE	20A/1P	-	-
13	SPARE	20A/1P	-	-
15	SPARE	20A/1P	-	-
17	SPARE	-	-	-
19	SPARE	-	-	-
21	SPARE	-	-	-
23	SPARE	-	-	-
25	SPARE	-	-	-
27	SPARE	-	-	-
29	SPARE	-	-	-
2	TIMER	20A/1P	100	-
4	ACCENT LIGHT @ SIGN	20A/1P	-	60
6	RECEPTACLE @ SIGN	20A/1P	180	-
8	SPARE	20A/1P	-	-
10	SPARE	20A/1P	-	-
12	SPARE	20A/1P	-	-
14	SPARE	20A/1P	-	-
16	SPARE	20A/1P	-	-
18	SPARE	-	-	-
20	SPARE	-	-	-
22	SPARE	-	-	-
24	SPARE	-	-	-
26	SPARE	-	-	-
28	SPD	30A/2P	-	-
30	SPARE	-	-	-
TOTALS PER PHASE			4610	440
TOTAL KVA			5.1	
MAXAMPS			38	



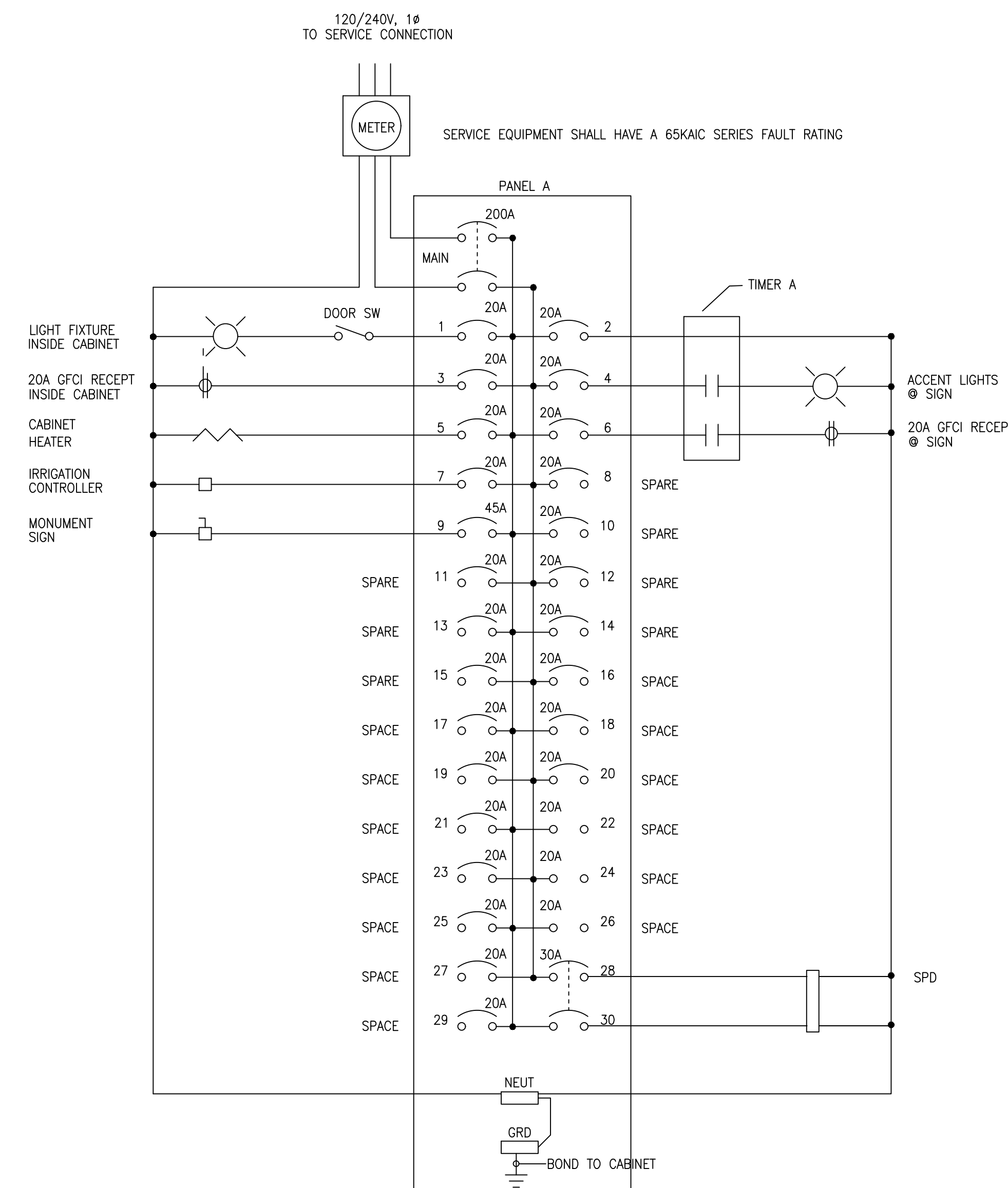
1 | RISER DIAGRAM
SCALE: NONE



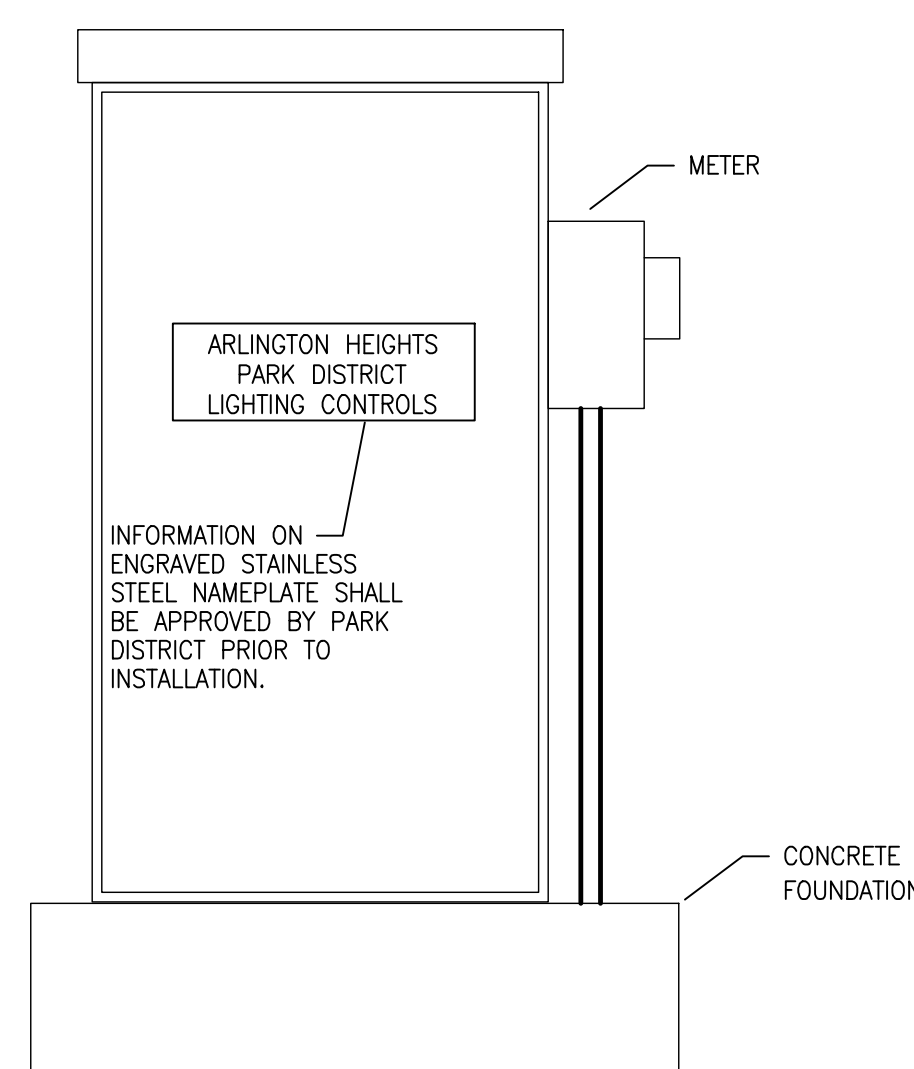
2 | GROUNDING DIAGRAM
SCALE: NONE



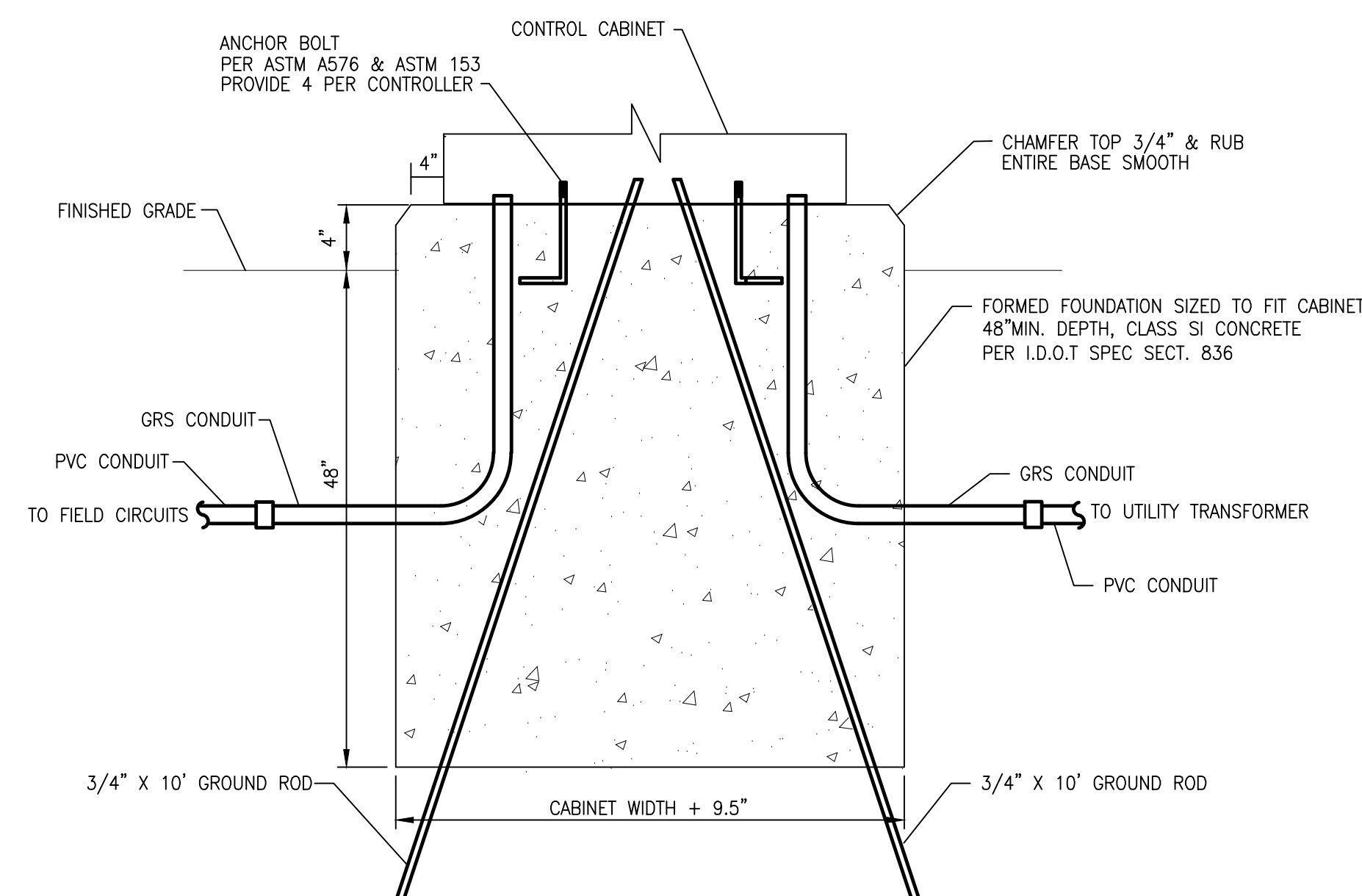
3 | TIMER - A
SCALE: NONE



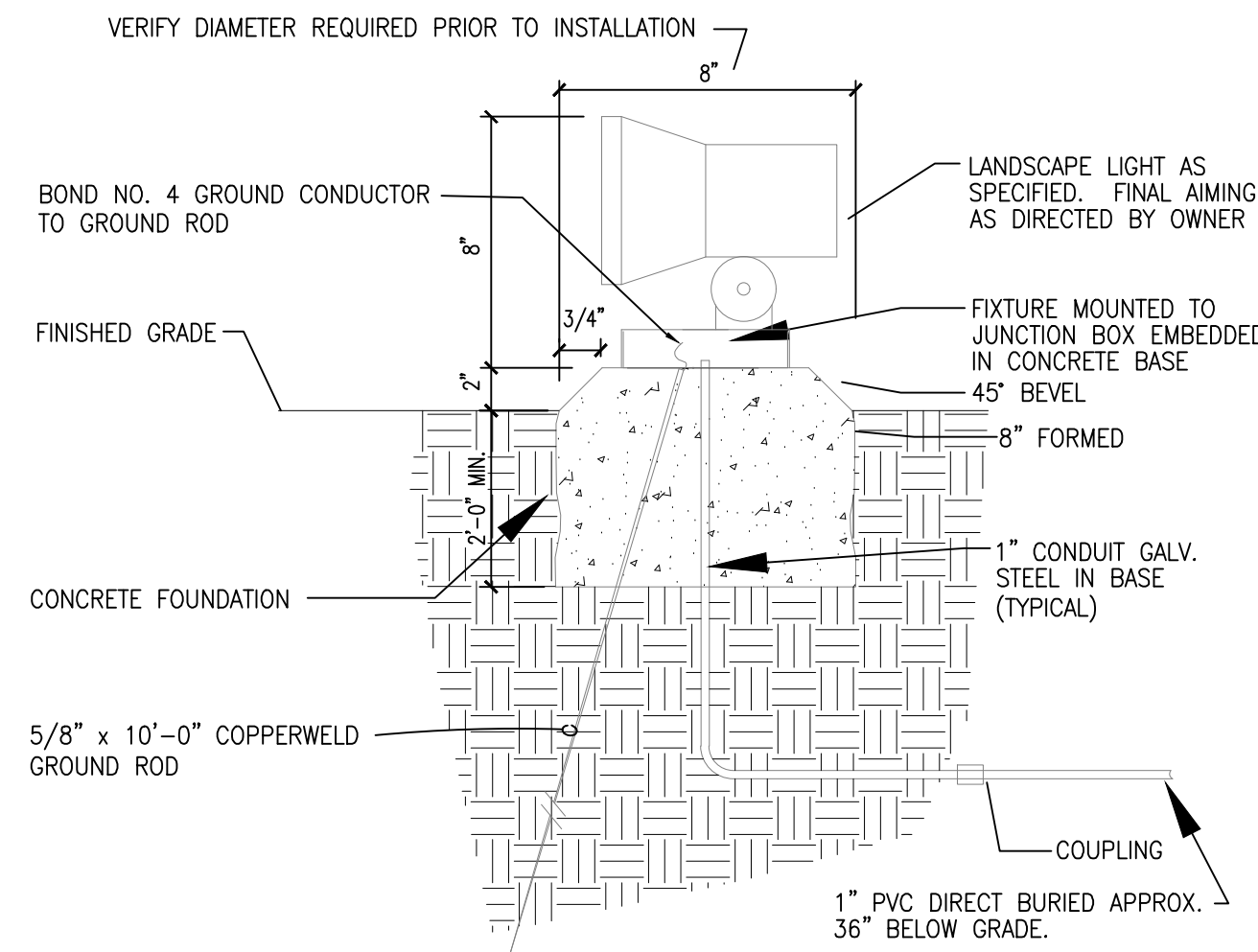
6 | CONTROL CABINET DIAGRAM
SCALE: NONE



4 | CONTROL CABINET
SCALE: NONE



5 | CONTROL CABINET FOUNDATION
SCALE: NONE



TYPE "AA"
1 LIGHT BASE DETAIL
NO SCALE

- NOTES:**
1. CONCRETE BASE TO BE BY E.C.
 2. BASE TO SET ON UNDISTURBED SOIL.
 3. SET ALL FIXTURES TRUE & PLUMB
 4. VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION.
 5. COMPACTABLE BACKFILL TO 95%.
 6. 3000 PSI 28 DAY STRENGTH CONCRETE.
 7. HOLE FOR BASE SHALL BE AUGERED. PLACE CONCRETE SAME DAY AS AUGER.

SITE ELECTRICAL SPECIFICATIONS

GENERAL

1. THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF THE SYSTEMS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS.
2. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER AND COMPLY WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES AND ORDINANCES AND THE REQUIREMENTS OF THE LOCAL UTILITY COMPANY. ALL EQUIPMENT SHALL BE U.L. (OR OTHER NATIONALLY RECOGNIZED TESTING COMPANY) LISTED.
3. ALL DRAWINGS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR SHALL INSTALL SYSTEMS TO MEET FIELD CONDITIONS. CONTRACTOR SHALL COORDINATE ALL WORK WITH RESPECTIVE TRADES, AND VERIFY LOCATIONS FROM THE ARCHITECTURAL DRAWINGS, SUPPLIER DRAWINGS, AND FIELD DIMENSIONS.
4. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE FULL EXTENT OF THE WORK AND THE WORKING CONDITIONS.
5. THE DRAWINGS AND SPECIFICATIONS HAVE BEEN DEVELOPED FOR ONE (1) PRIME CONTRACTOR. THEY ARE NOT INTENDED TO DIVIDE THE WORK BETWEEN CONTRACTORS. COORDINATE INTERFACES WITH GENERAL CONTRACTOR.
6. ARRANGE AND PAY FOR ALL COST CHARGEABLE TO THE OWNER BY UTILITY COMPANIES FOR ELECTRICAL SERVICES FOR THE PROJECT INCLUDING TELEPHONE AND ELECTRICAL SERVICE.
7. CONTRACTOR SHALL VERIFY ALL ELECTRICAL REQUIREMENTS FOR THE FOLLOWING EQUIPMENT WITH THE ASSOCIATED VENDOR AND/OR CONTRACTOR AND THE AUTHORITY HAVING JURISDICTION (AHJ) PRIOR TO ORDERING EQUIPMENT AND ROUGH-IN:
 - A. MONUMENT SIGN

PERMITS

OBTAIN AND PAY FOR ALL LICENSES, PERMITS AND INSPECTIONS FOR ALL WORK COVERED BY THIS CONTRACT. ALL CERTIFICATES OF INSPECTION SHALL BE DELIVERED TO THE OWNER.

CONSTRUCTION POWER

PROVIDE TEMPORARY POWER AND LIGHTING FOR THE JOB SITE DURING CONSTRUCTION.

ELECTRIC UTILITY COMPANY

1. COORDINATE WITH THE ELECTRIC UTILITY COMPANY FOR THE FURNISHING OF ELECTRICAL SERVICE TO THE BUILDING.
2. PROVIDE ALL REQUIRED PADS, POSTS, CONDUIT, GROUNDING, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL UTILITY SERVICE.
3. ALL EQUIPMENT SHALL BE SIZED TO MEET OR EXCEED THE AVAILABLE SHORT CIRCUIT CURRENT. VERIFY WITH UTILITY COMPANY. FOR BASE BID, ALL DISTRIBUTION EQUIPMENT SHALL BE RATED AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL VERIFY THIS VALUE WITH UTILITY COMPANY PRIOR TO ORDERING EQUIPMENT.
4. VERIFY VOLTAGE AVAILABILITY AND SERVICE ENTRANCE CONFIGURATION WITH UTILITY COMPANY PRIOR TO ORDERING EQUIPMENT.

ELECTRICAL TIE-INS

COORDINATE WITH THE BUILDING OWNER FOR THE FURNISHING OF ELECTRICAL POWER FOR THE PROJECT

CONDUIT

1. ALL ELECTRICAL WORK SHALL BE INSTALLED IN A METAL CONDUIT SYSTEM, INCLUDING LOW VOLTAGE WIRING.
2. SERVICE ENTRANCE CONDUIT, EXTERIOR CONDUIT AND CONDUIT EXPOSED TO WEATHER AND SHALL BE RIGID GALVANIZED STEEL.
3. CONDUIT IN WET LOCATIONS SHALL BE RIGID GALVANIZED STEEL
4. UNDERGROUND FEEDER AND UNDERGROUND BRANCH CONDUITS SHALL BE RIGID GALVANIZED STEEL OR SCHEDULE 40 PVC AS PERMITTED BY CODE. RIGID GALVANIZED STEEL CONDUIT SHALL BE USED FOR MAKING FINAL TURNS OUT OF EQUIPMENT PADS AND FINISHED FLOOR. EXTERIOR UNDERGROUND CONDUITS SHALL BE INSTALLED 36" BELOW GRADE. CONDUIT BELOW CONCRETE FLOOR SLAB SHALL BE A MINIMUM OF 6" BELOW BOTTOM OF SLAB.
5. ALL CONDUIT IN DRY LOCATIONS SHALL BE EMT.
6. MINIMUM SIZE CONDUIT ABOVE GRADE SHALL BE 1/2". MINIMUM SIZE CONDUIT BELOW GRADE SHALL BE 3/4".

WIRE (120V AND ABOVE):

1. ALL WIRE SHALL BE COPPER WITH 600V INSULATION. CONDUCTORS SHALL BE STRANDED FOR SIZES NO. 8 AWG AND LARGER, SOLID FOR SIZES NO. 10 AWG AND SMALLER.
2. TYPE THWN SHALL BE USED INDOORS NOT INCLUDING SERVICES.
3. TYPE XHHW SHALL BE USED BELOW SLABS, SERVICE ENTRANCES AND EXTERIOR UNDERGROUND WORK, INCLUDING SITE LIGHTING.
4. MINIMUM SIZE SHALL BE #12. RUNS OVER 75' SHALL BE MINIMUM #10 UNLESS NOTED OTHERWISE.

SPICES AND TERMINATIONS

1. ALL SPICES AND PITGAIL CONNECTIONS FOR INDOOR AND DRY LOCATIONS FOR CABLE SIZES NUMBER 10 AWG AND SMALLER SHALL BE MADE UP WITH PREINSULATED SPRING CONNECTORS, 3M COMPANY "SCOTCHLOCK," IDEAL INDUSTRIES, INC., WIRENUTS, OR APPROVED EQUAL. SPICES FOR CABLE SIZES NUMBER 8 AWG AND LARGER SHALL BE BUTT SPICE TYPE CONSISTING OF LONG BARREL COPPER ONLY TYPE COMPRESSION CONNECTOR. SPICE SHALL BE COVERED WITH EITHER A COLD SHRINK CONNECTOR INSULATOR OR HEAT SHRINK CONNECTOR INSULATOR.
2. ALL SPICES OUTDOORS, ABOVE GRADE, SUCH AS IN LIGHT POLES, SHALL BE A WATERPROOF TWIST CONNECTOR. IDEAL WEATHERPROOF OR EQUAL.
3. ALL SPICES OUTDOORS BELOW GRADE, SUCH AS IN UNDERGROUND PULL BOXES, SHALL BE MADE USING MOISTURE RESISTANT GEL ENCAPSULATED SPICE KIT. ACCEPTABLE MANUFACTURERS SHALL BE NSI EASY SPICE GEL TAP SPICE OR RAYCHEM GTAP OR GHFC. WATERPROOF WIRE NUT CONNECTORS ARE NOT ACCEPTABLE.

BRANCH WIRING:

1. CONDUITS AND BOXES SHALL BE CONCEALED WHEREVER POSSIBLE.
2. CONNECT EQUIPMENT AND DEVICES TO THE CIRCUITS AND SWITCH LEGS SHOWN.
3. ARCS SHOWN ON DRAWINGS REPRESENT SWITCH ARRANGEMENT ONLY, AND ARE NOT INTENDED TO SHOW CONDUIT ROUTINGS.
4. EACH CIRCUIT SHALL HAVE AN INDEPENDENT NEUTRAL.
5. AMPACITIES OF CONDUCTORS WHEN MORE THAN THREE (3) CURRENT -CARRYING CONDUCTORS ARE PLACED IN A RACEWAY SHALL BE DERATED PER CODE.
6. WHERE WIRE SIZES MUST BE INCREASED TO LIMIT VOLTAGE DROP, CONTRACTOR SHALL COORDINATE TERMINAL SIZES AT TERMINATIONS.

WIRING DEVICES:

1. WIRING DEVICES SHALL BE 20 AMPERE, UL/FED SPEC LISTED, BACK AND SIDE WIRED, WITH COLOR AS SELECTED AND APPROVED BY THE ARCHITECT.
2. PROVIDE COMMON COVER PLATE FOR GANGED DEVICES. COVERS FOR SURFACE MOUNTED BOXES SHALL BE APPROPRIATE FOR THE BOX TYPE.
3. FOR RECEPTACLES IN EXTERIOR LOCATIONS, PROVIDE CAST ALUMINUM WHILE-IN-USE WEATHERPROOF COVERS, HUBBELL #WP26E.
4. VERIFY ALL MOUNTING HEIGHTS WITH ARCHITECT & LATEST ADA REQUIREMENTS PRIOR TO INSTALLATION.
5. CONDUCTORS SHALL BE ATTACHED TO DEVICES BY MEANS OF SCREW TERMINALS OR SCREW CLAMPS.
6. WIRING DEVICES SHALL BE HUBBELL OR PASS & SEYMOUR CONSTRUCTION SERIES.

LIGHTING FIXTURES:

1. FURNISH FIXTURES AND LAMPS AS SPECIFIED IN THE FIXTURE SCHEDULE.
2. PROVIDE ADEQUATE SUPPORT FOR ALL FIXTURES.

TIMER A:

1. TIMER SHALL BE ELECTRONIC ASTRONOMIC, FULL YEAR, WITH NUMBER OF CHANNELS AND VOLTAGE RATINGS AS INDICATED ON THE DRAWINGS.
2. TIMER SHALL BE ENCLOSED IN A LOCKABLE NEMA 1 ENCLOSURE FOR INDOOR APPLICATIONS AND NEMA 3R ENCLOSURE FOR OUTDOOR APPLICATIONS.
3. TIMER SHALL BE INTERMATIC ET8000 SERIES.

METER FITTING:

1. SHALL BE RATED AS SHOWN ON THE DRAWINGS.
2. ENCLOSURE SHALL BE NEMA TYPE 3R FOR OUTDOOR USE. FURNISH AND INSTALL IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS.

DISCONNECT SWITCHES:

1. DISCONNECT SWITCHES SHALL BE UL LISTED, HEAVY DUTY, HORSEPOWER RATED, FUSIBLE OR NON_FUSIBLE AS INDICATED ON THE DRAWINGS.
2. DISCONNECT SWITCHES SHALL BE RATED AT 600 VOLTS FOR 480 VOLTS AC CIRCUITS AND 240 VOLTS AC FOR 208 VOLTS AC AND 120 VOLTS AC CIRCUITS.
3. DISCONNECT SWITCHES SHALL HAVE A SHORT-CIRCUIT RATING OF 100,000 AMPERES RMS.
4. DISCONNECT SWITCHES SHALL HAVE THE PROPER NEMA RATING FOR THE AREA IN WHICH THEY ARE INSTALLED.
5. EACH DISCONNECT SWITCH SHALL HAVE AN EXTERNAL HANDLE THAT CAN BE PADLOCKABLE IN THE "OFF" POSITION. THE HANDLE OPERATION SHALL BE NON-TEASIBLE, QUICK MAKE, QUICK BREAK.
6. ALL CURRENT CARRYING PARTS SHALL BE COPPER. LUGS SHALL BE UL LISTED, MECHANICAL WITH SADDLES, CAST COPPER.
7. MANUFACTURED BY GE "TH" SERIES, SQUARE D "H" SERIES, OR SIEMENS "VB-2" SERIES.

PANELBOARDS:

1. ALL BUSES SHALL BE COPPER.
2. BRANCH BREAKERS SHALL BE PLUG-IN TYPE, OR BOLT-ON IF REQUIRED BY LOCAL CODES.
3. PANELBOARDS SHALL BE SERVICE ENTRANCE RATED WHERE REQUIRED.
4. PROVIDE NAMEPLATE FOR PANEL AND TYPEWRITTEN DIRECTORY FOR EACH PANELBOARD.
5. PANELBOARDS SHALL BE MANUFACTURED BY, EATON, SIEMENS, OR SQUARE D. LOAD CENTERS ARE NOT ACCEPTABLE.

SPD (SERVICE):

1. SPD SHALL BE RATED 100KA PER MODE (7 MODES), 200KA PER PHASE, 200KA SCOR, AND MOUNTED IN ITS OWN ENCLOSURE.
2. FEATURES SHALL INCLUDE LED INDICATOR LIGHTS FOR POWER AND PROTECTIVE STATUS FOR EACH MODE, SURGE RATED FUSES WITH 200KA INTERRUPTING RATING, INTEGRAL FUSING FOR EACH PHASE AND NEUTRAL, THERMAL PROTECTION FOR EACH SURGE COMPONENT AND IMMEDIATE INDICATION OF A CHANGE IN COMPONENT STATUS, ALARM MONITORING WITH AUDIBLE ALARM, INCLUDING TEST AND SILENCE SWITCH AND FORM "C" ALARM RELAY.
3. SPD SHALL BE CURRENT TECHNOLOGY C8SERIES, GE TYPE HE, HUBBELL HBLX320, MERSEN XT SERIES.
4. SPD SHALL BE NRTL LISTED TO UL 1449.

GROUNDING:

1. GROUNDING SHALL COMPLY WITH THE REQUIREMENTS OF THE LOCAL INSPECTION AUTHORITY, WITH CONNECTIONS TO BUILDING STEEL, METAL PIPING SYSTEMS AND GROUND ROD.
2. PROVIDE A SEPARATE, INSULATED GROUNDING CONDUCTOR IN EACH FEEDER AND BRANCH CONDUIT, BONDED AT EACH TERMINATION.

CONTROL CABINET:

1. IDOT APPROVED.
2. PANELBOARD SHALL BE 65KAIC SERIES RATED.
3. MAIN C/B AND BRANCH C/B'S AS LISTED.
4. NEUTRAL BUS.
5. GROUND BUS.
6. INCOMING AND OUTGOING TERMINALS, SIZED FOR WIRING SHOWN.
7. SITE LIGHTING SHALL BE CONTROLLED BY TIME CLOCK. SET TIME CLOCK ON/OFF TIMES AS INSTRUCTED BY OWNER. EACH CHANNEL SHALL BE ABLE TO BE SET TO DIFFERENT SCHEDULES. TIME CLOCK SHALL BE BY INTERMATIC ET8000 SERIES.
8. SPACE FOR IRRIGATION CONTROLLER 14.32"W x 12.69"H x 5.50"D.
9. SWITCHED LED LIGHT FIXTURE.
10. SURGE ARRESTOR.
11. POWER WIRING SHALL BE MTW/TBW, 600V.
12. CONTROL WIRING SHALL BE #12 MTW. ALL CONTROL WIRING SHALL BE STRANDED AND MARKED WITH BRADY MARKERS.
13. ONE GFI RECEPTACLES INSIDE CABINET.
14. HOFFMAN #DAH1001A HEATER WITH BUILT-IN THERMOSTAT.
15. ENCLOSURE SHALL BE CONSOLE TYPE NEMA 4X, 14 GAUGE TYPE 304 STAINLESS STEEL. NOMINAL DIMENSIONS: 50"H x 48"W x 18"D. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL. GASKETED DOOR WITH PROVISIONS FOR PADLOCKING. DOORS SHALL BE EQUIPPED WITH THREE-POINT LATCHING. 6" X 11" STAINLESS STEEL NAMEPLATE.
16. MOUNTED ON CONCRETE FOUNDATION.
17. ANCHOR BOLTS SHALL COMPLY WITH ASTM A576. PROVIDE 4 ANCHOR BOLT FOR EACH CONTROLLER.
18. SHALL BE UL LISTED.
19. SHALL BE AS MANUFACTURED BY EXCEL LTD OR LIGHTMATIC LIGHTING CONTROLS

IDENTIFICATION

1. THE CONTRACTOR SHALL LABEL EQUIPMENT WITH 1/2" DYMO TAPE.
2. ALL MAJOR ELECTRICAL EQUIPMENT SHALL BE IDENTIFIED WHICH SHALL INCLUDE MDP, PANELBOARDS, MOTOR STARTERS, DISCONNECT SWITCHES, SWITCHES, ETC.
3. PROTECTIVE DEVICES IN MDP'S SHALL BE LABELLED WITH THE LOAD SERVED.
4. PROVIDE PANEL AND CIRCUIT NUMBER IDENTIFICATION ON ALL JUNCTION AND PULL BOXES.
5. APPLY THE FACTORY SUPPLIED ARC FLASH WARNING LABELS TO ALL SWITCHBOARDS AND PANELS AS REQUIRED PER NEC 110.16.
6. SERVICE EQUIPMENT SHALL BE LABELLED LISTING AVAILABLE FAULT CURRENT.
7. PROVIDE NEW TYPEWRITTEN SCHEDULES FOR PANELBOARDS.

AS-BUILT DRAWINGS:

1. PROVIDE AS-BUILT DRAWINGS

TESTS:

1. UPON COMPLETION OF WORK, TEST EACH SYSTEM TO BE FREE OF GROUNDS AND/OR FAULTS. TEST FOR PROPER OPERATION. IF ANY DEFECTS ARE FOUND, TAKE IMMEDIATE ACTION TO REMEDY.
2. CHECK ALL FIXTURES FOR BURNT OUT OR DAMAGED LAMPS AND REPLACE.

GUARANTEE:

CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT AND WIRING TO BE FREE FROM MECHANICAL AND ELECTRICAL DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE.

SHOP DRAWINGS

SUBMIT SHOP DRAWINGS FOR THE FOLLOWING EQUIPMENT FOR APPROVAL BY THE ENGINEER:

1. METERING
3. PANELBOARDS
4. WIRING DEVICES
5. LIGHT FIXTURES
6. EXTERIOR LIGHTING CONTROLLER
7. SPD
8. CONTROL CABINET

FIXTURE SCHEDULE

ALL FIXTURE FINISHES SHALL BE SELECTED BY OWNER/ ARCHITECT.

TYPE AA
LED SIGN FIXTURE, 120V, 15W LED LAMP, 3000K COLOR TEMP, 1862 LUMENS, CONCRETE BASE SEE DETAIL. COLOR = FINISH AS SELECTED BY OWNER/LANDSCAPE ARCHITECT. SELECTABLE WATTAGE AND LAMP COLOR TEMPERATURE.

KEYSTONE #KT-FLED25PS-CIE-UNV-8CSB-VDIM
FURNISH AND INSTALL ALL ACCESSORIES FOR A COMPLETE INSTALLATION.

ELECTRICAL SYMBOL LIST

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE OUTLET, 20A, 120V "A" DENOTES PANELBOARD, "2" DENOTES CIRCUIT NUMBER OTHER ABBREVIATIONS: WP = WEATHERPROOF WHILE IN USE TR = TAMPER AND WEATHER RESISTANT
	GFI RECEPTACLE
	NEW PANELBOARD
	WEATHERPROOF WHILE IN USE
	GROUNDING ELECTRODE CONDUCTOR TO GROUND ROD
	JUNCTION BOX SIZE AND TYPE AS REQUIRED BY CODE.
	LIGHTING FIXTURE "A" DENOTES LIGHT FIXTURE TYPE "D" DENOTES PANELBOARD "1" DENOTES CIRCUIT NUMBER "a" DENOTES SWITCH LEG
	GRADE BOX



Project
AHPD ELECTRIC SIGN PROPOSAL AND ADDITION TO OLYMPIC/ARC PUD
750 W. NORTHWEST HIGHWAY
ARLINGTON HEIGHTS, IL 60004

Date: 10-08-2024
License expires, 11-30-2025



Issues & Revisions

#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION
#4	04.08.25	EDITS-FOR PERMIT

Sheet Title

ELECTRICAL SCHEDULES

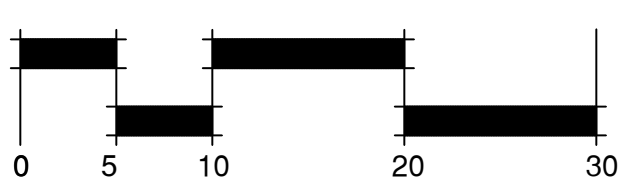
Date: April 8, 2025

EL-3

Issues & Revisions		
#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION
#4	04.08.25	EDITS-FOR PERMIT



Scale: 1" = 10'

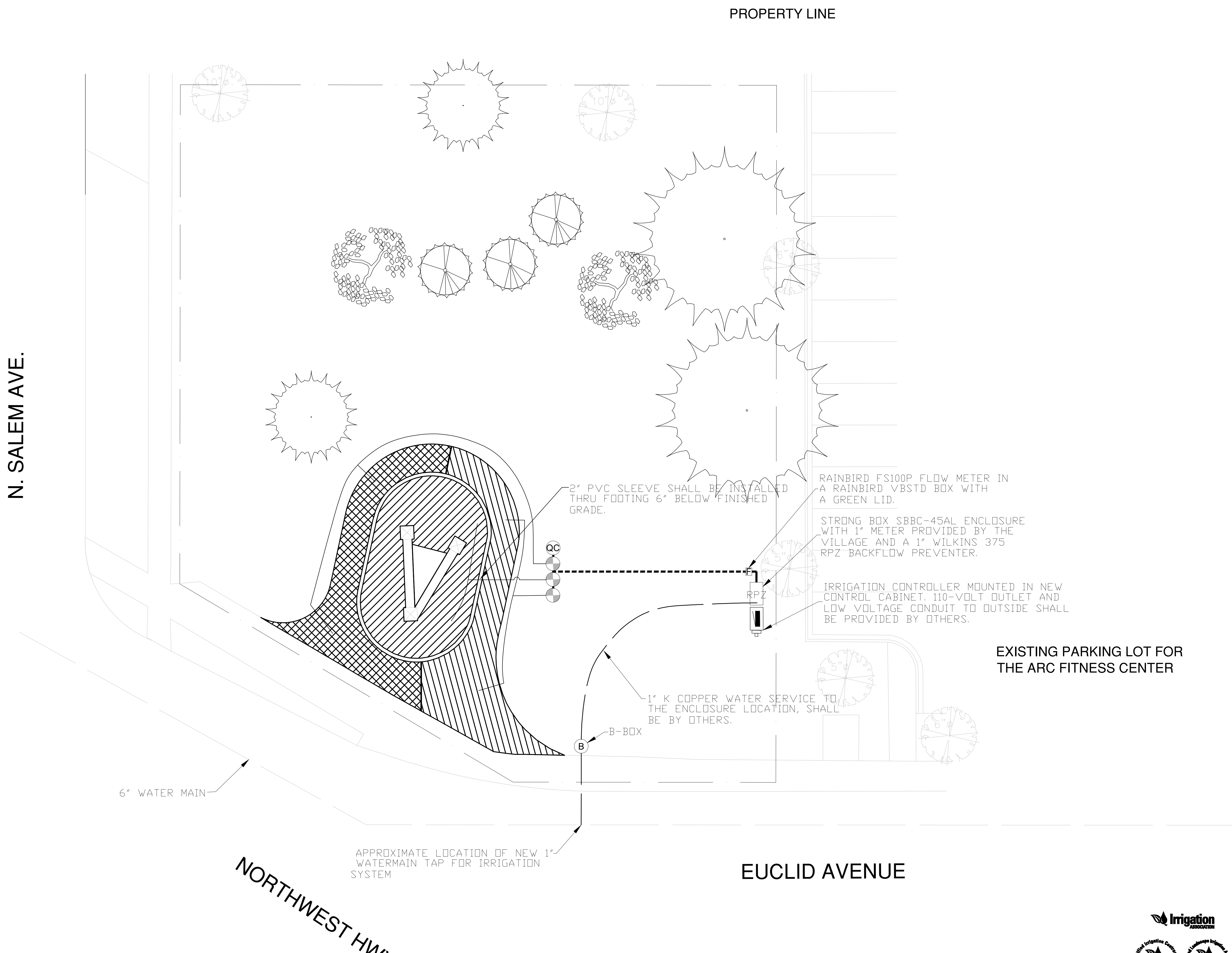


Sheet Title

IRRIGATION SITE PLAN

Date: April 8, 2025

IR-1

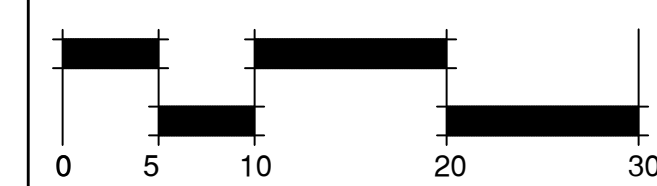


Project
AHPD ADDITION TO LEGACY/ARC PUD & ELECTRIC SIGN PLANS

Issues & Revisions		
#	Date	Description
#1	10.9.24	INITIAL IFP PLAN SET
#2	11.18.24	EDITS-DESIGN COMMISS.
#3	02.26.25	EDITS-PLAN COMMISSION
#4	04.08.25	EDITS-FOR PERMIT



Scale: 1" = 10'



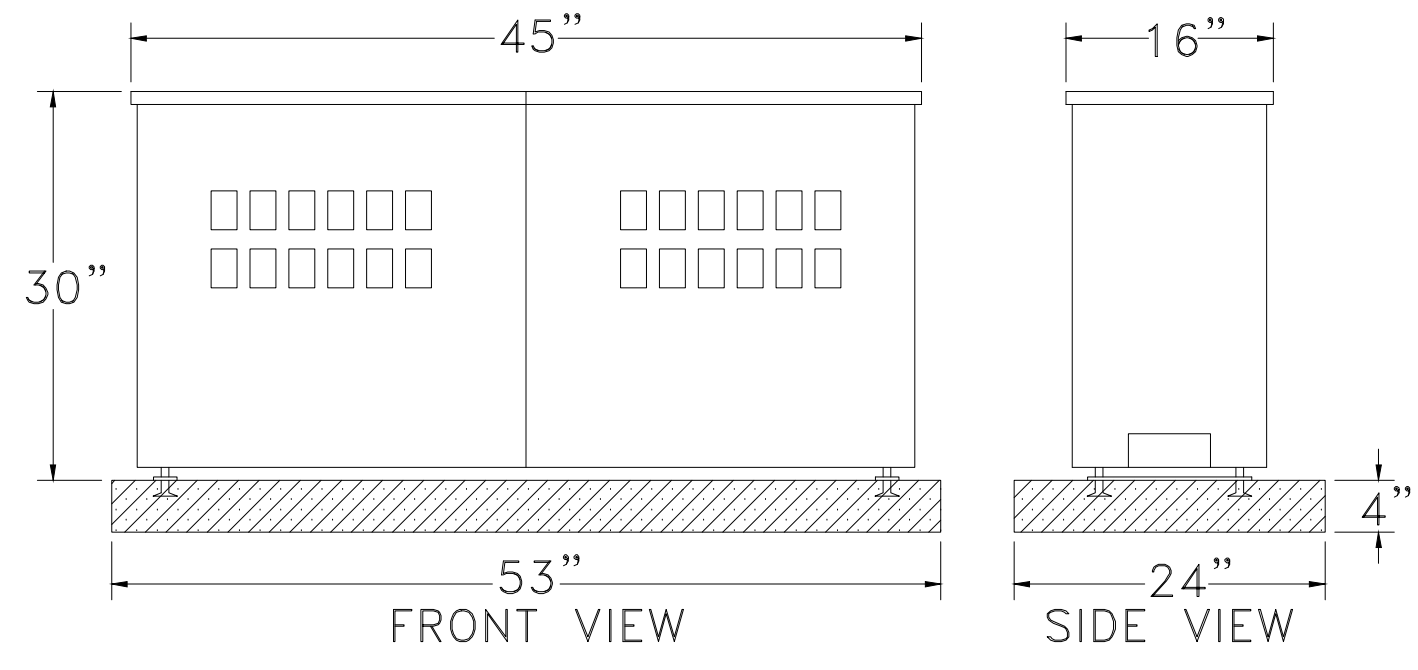
Sheet Title
IRRIGATION DETAIL SHEET

Date: April 8, 2025

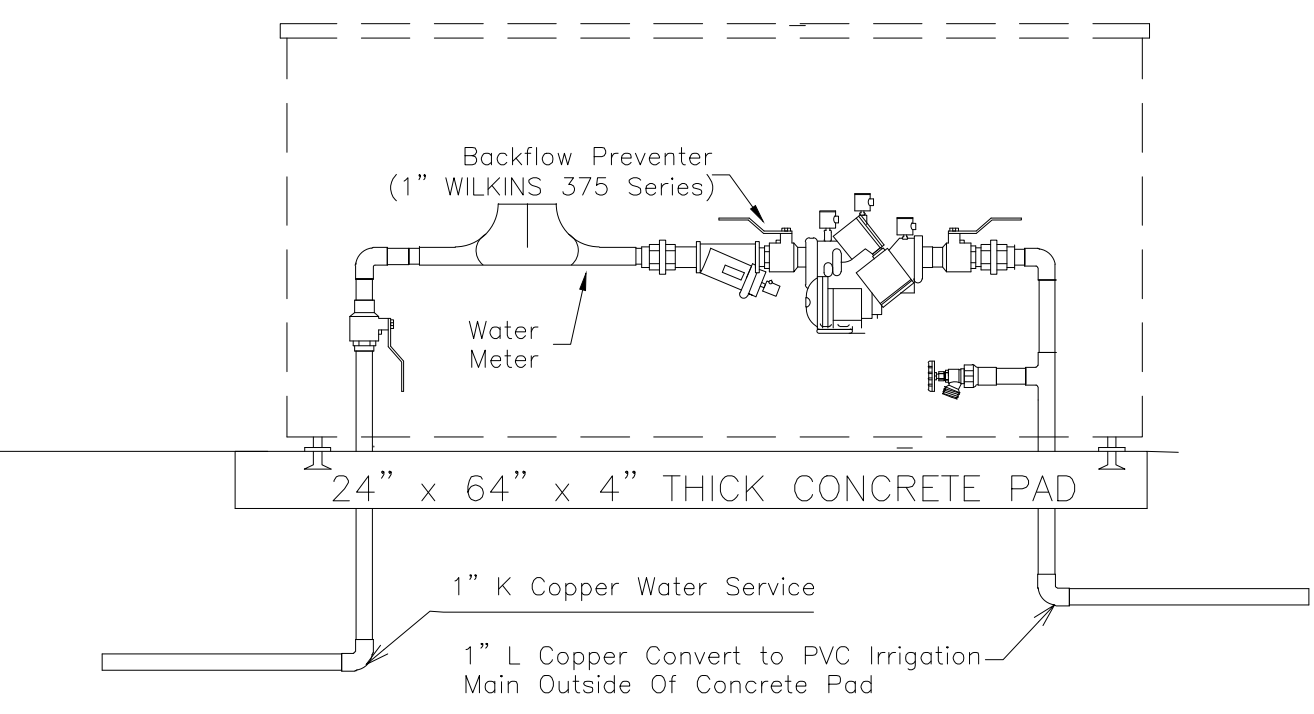
IR-2

LEGEND

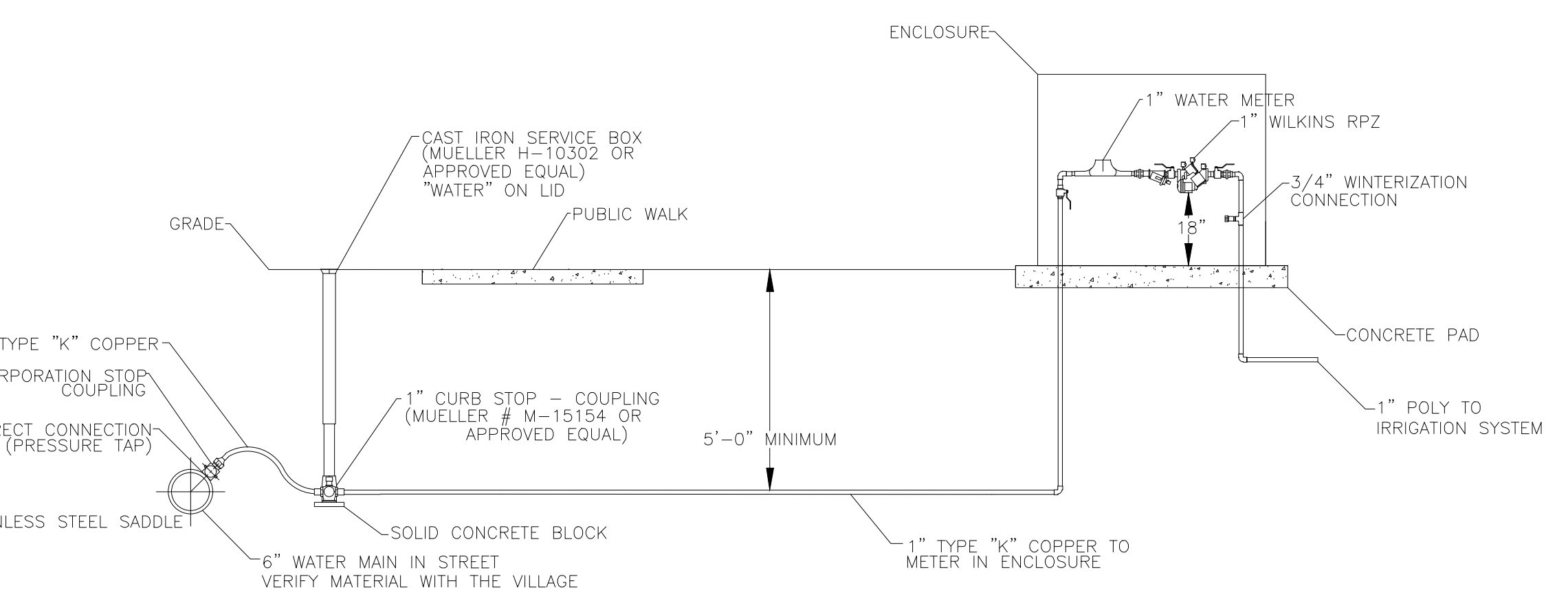
- 1" RAIN BIRD XCZ-PGA-100-PRF DRIP IRRIGATION SOLENOID VALVE KIT WITH PRESSURE REGULATION AND FILTER. ALL WIRES SPLICES TO MADE INSIDE VALVE BOXES
- RPZ** 1" WILKINS 375 SERIES BACKFLOW PREVENTOR WITH STRAINER. INSTALL RPZ AND 1" METER INSIDE A STRONG BOX SBBC-45AL ENCLOSURE. 1" METER SHALL BE PROVIDED BY THE VILLAGE. WATER SERVICE TO LOCATION SHALL BE PROVIDED BY THE WATER TAP COMPANY.
- QC** 1" RAIN BIRD 44-RC BRASS QUICK COUPLER INSTALLED ON A 1" SWING JOINT.. PROVIDE (1) 1" KEYS WITH (1) 1"x3/4" HOSE SWIVELS.
- C** RAIN-BIRD ESP-LXME2-P WITH IQ-NCC-4G CELLULAR CARTRIDGE MOUNTED IN SITE ELECTRICAL CONTROL CABINET. LOW VOLTAGE WIRING IS TO BE 18-13 DIRECT BURIAL CABLE. 110-VOLT WIRING INTO THE CONTROLLER SHALL BE PROVIDED BY THE SITE ELECTRICIAN.
- F** RAIN-BIRD FS100P FLOW METER INSTALLED IN A RAINBIRD VBSTD BOX WITH A GREEN LID
- S** RAIN BIRD WR2-RFC WIRELESS RAIN AND FREEZE SENSOR. FINAL LOCATION TO BE DETERMINED ONSITE.
- MAINLINE
 1" MAINLINE IS TO BE CONSTRUCTED OF CRESLINE, CANTEX, JET STREAM AND/OR EAGLE SDR21 PVC OR BETTER. MAINLINE SHALL BE INSTALLED AT 12" IN DEPTH WITH THE USE OF A VIBRATORY PLOW. FITTINGS FOR MAINLINE SHALL BE PVC SCH. 40 AND MANUFACTURED BY SPEARS, LASCO, DURA, OR NIBCO NO OTHER BRANDS SHALL BE ACCEPTED.
- LATERAL
 LATERAL IS TO BE CONSTRUCTED OF CRESLINE, CANTEX, JET STREAM AND/OR EAGLE HD-100 NSF POLYETHYLENE PIPE. LATERAL SHALL BE INSTALLED AT 6" IN DEPTH WITH THE USE OF A VIBRATORY PLOW. FITTINGS FOR LATERALS SHALL BE PVC SCH. 40 AND MANUFACTURED BY SPEARS, LASCO, DURA, OR NIBCO NO OTHER BRANDS SHALL BE ACCEPTED.
- RAIN BIRD XFS-06-12-500 SUB-SURFACE DRIP IRRIGATION TUBING WITH 12" EMITTER SPACING. INSTALL ALL PIPING 2" BELOW GRADE. USE SOD STAPLES EVERY 3' TO HOLD PIPE DOWN. COORDINATE INSTALLATION WITH LANDSCAPER AND INSTALL AFTER PLANTINGS AND BEFORE MULCH. GRID SPACING SHALL BE 12". INSTALL PER MANUFACTURERS RECOMMENDATIONS. REFER TO SHEET ES-3 SIGN LANDSCAPE PLAN FOR PLANTING LAYOUT AND DETAILS. COORDINATE INSTALLATION WITH LANDSCAPE CONTRACTOR AND OTHER ASSOCIATED TRADES.



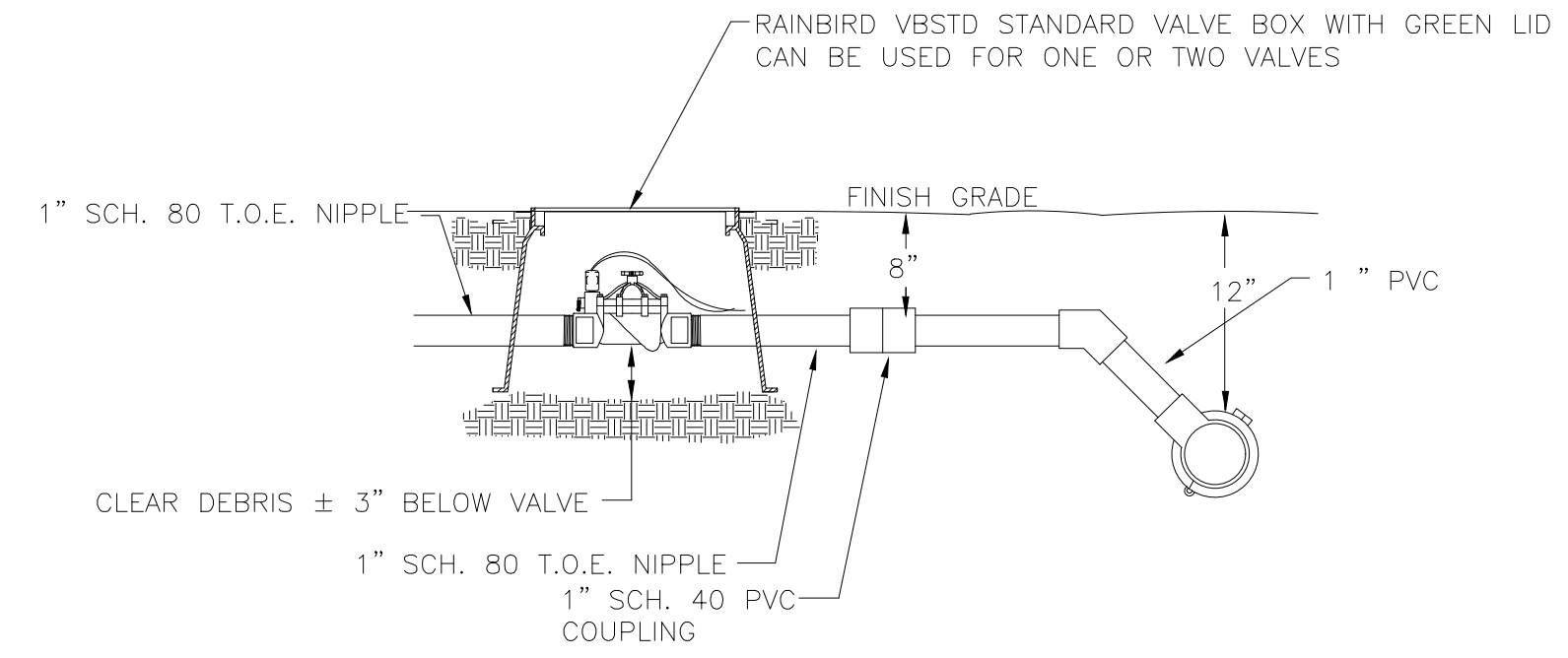
A STRONG BOX MODEL NO. SBBC-45AL
 SCALE: NONE



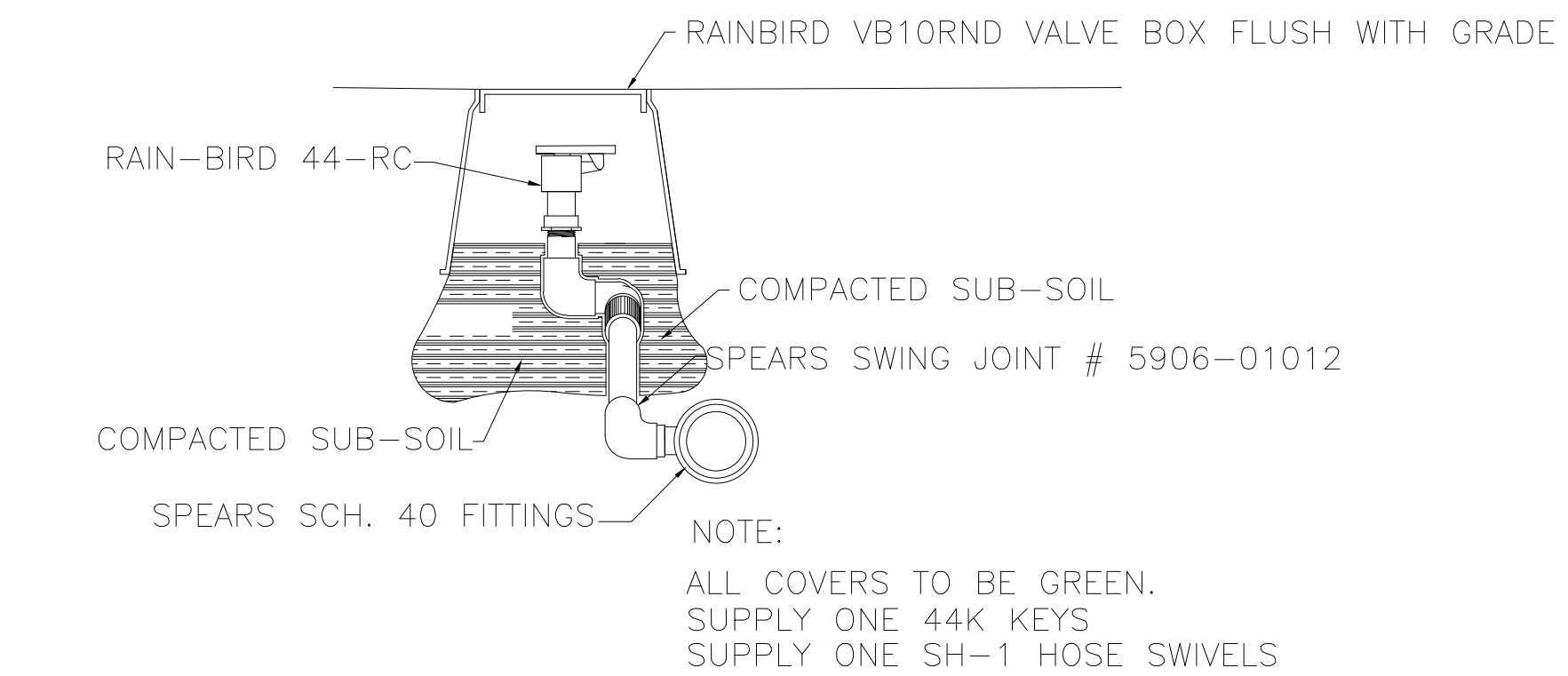
B 1" METER AND RPZ INSTALLED IN ENCLOSURE
 SCALE: NONE



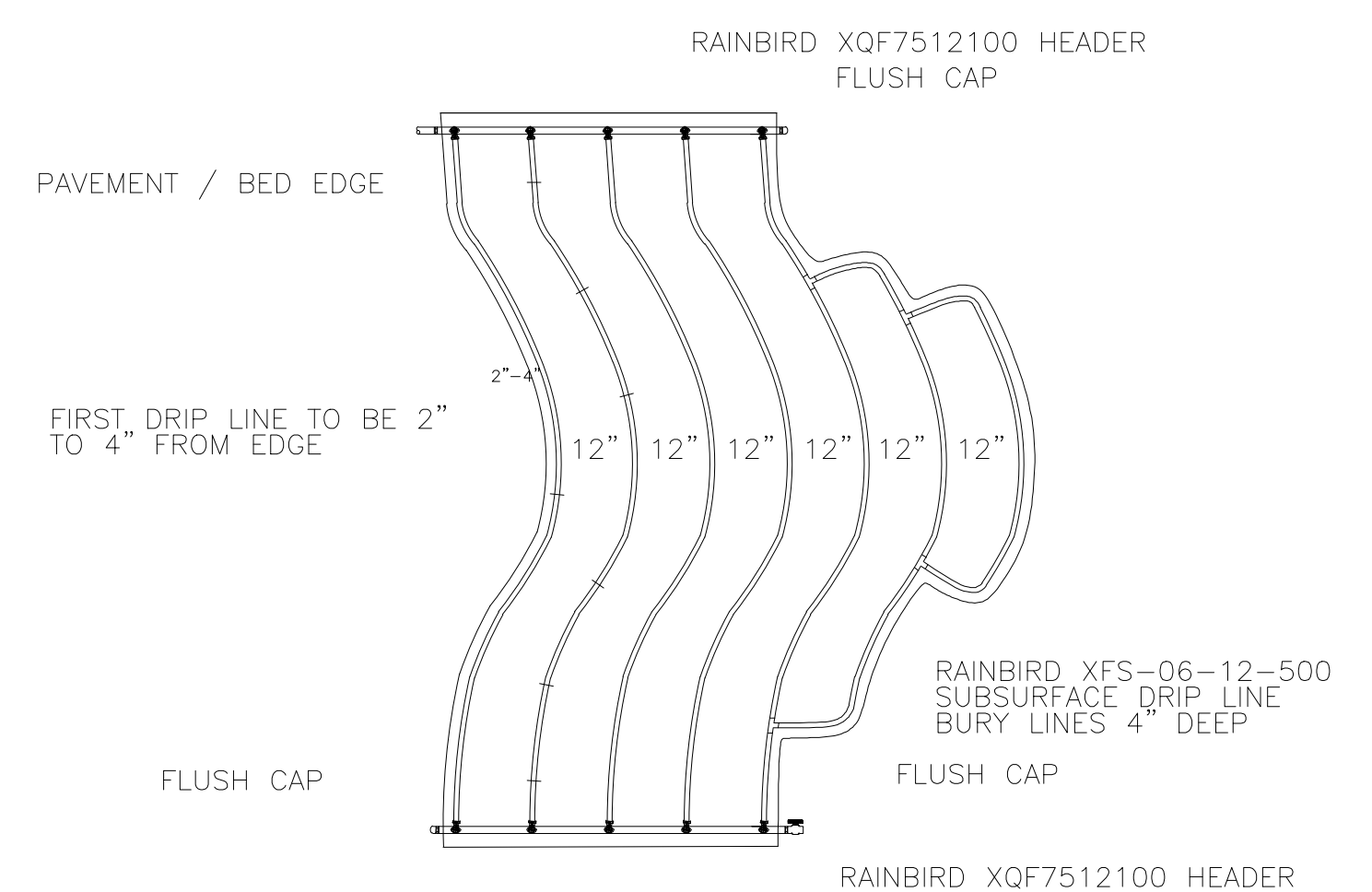
C CITY WATER MAIN TAP
 SCALE: NONE
 VERIFY PLUMBING CODE WITH THE VILLAGE FOR THIS CONNECTION.



D RAINBIRD 1" XCZ-PGA-100-PRF SERIES DRIP IRRIGATION VALVE
 SCALE: NONE



E RAIN-BIRD 44-RC QUICK COUPLER
 SCALE: NONE



F TYPICAL DRIP IRRIGATION INSTALLATION
 SCALE: NONE

