KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD

55 E IRVING PARK RD
STREAMWOOD, IL 60107



NOTE: THE ABOVE SITE RENDERING IS PROVIDED FOR DESIGN INTENT ONLY. FINAL LAYOUT AND DESIGN MAY VARY FROM RENDERING.

ABBREVIATIONS

(ALL MIGHT NOT BE USED)

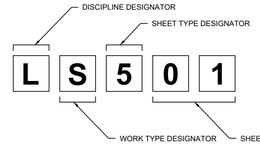
A	
ABRV	ABBREVIATION
ALN	ALIGN
ALW	ALLOWANCE
APPROX	APPROXIMATE
ARCH	ARCHITECT
AVE	AVERAGE
B	
B&B	BALLED AND BURLAPPED
BC	BOTTOM OF CURB
BLDG	BUILDING
BOC	BACK OF CURB
BOF	BOTTOM OF FOOTING
BW	BOTTOM OF WALL (@ FS)
BWS	BOTH WAYS
C	
CAL	CALIPER
CF	CUBIC FEET
CIP	CAST IN PLACE
CL	CENTER LINE
CLR	CLEAR
CO	CLEANOUT
CONT	CONTINUOUS
CY	CUBIC YARD
D	
DBH	DIA AT BREAST HT
DEMO	DEMOLISH
DIA	DIAMETER
DIM	DIMENSION
DTL	DETAIL
DWG	DRAWING
E	
E	EAST
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ENG	ENGINEER
EQ	EQUAL
EST	ESTIMATE
EW	EACH WAY
EX	EXISTING
EXP	EXPANSION
F	
FES	FLARED END SECTION
FFE	FINISHED FLOOR ELEV
FG	FINISHED GRADE
FL	FLOW LINE
FOC	FACE OF CURB
FOW	FACE OF WALL
FS	FINISHED SURFACE
FT	FEET
FTG	FOOTING
G	
GA	GAUGE
GEN	GENERAL
H	
HORIZ	HORIZONTAL
HP	HIGH POINT
HT	HEIGHT
I	
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCHES
INCL	INCLUDED
J	
JT	JOINT
K	
NONE	
L	
LF	LINEAR FEET
LP	LOW POINT
M	
MAX	MAXIMUM
MANU	MANUFACTURER
MFG	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
N	
N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O	
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
P	
PC	POINT OF CURVE
PE	POLYETHYLENE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PT	POINT
PVC	POLY VINYL CHLORIDE
Q	
QTY	QUANTITY
R	
R	RADIUS
REC	RECOMMENDATION
RE	REFERENCE
REINF	REINFORCE
R-EJ	REINFORCED EXPANSION JT
REQD	REQUIRED
REV	REVISION
ROW	RIGHT-OF-WAY
S	
S	SOUTH
SAN	SANITARY
SF	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
SPECS	SPECIFICATIONS
ST	STORM SEWER
SY	SQUARE YARD
STA	STATION
STD	STANDARD
SYM	SYMMETRICAL
SQ	SQUARE
T	
T&B	TOP AND BOTTOM
TBD	TO BE DETERMINED
TC	TOP OF CURB
TD	TOP OF DRAIN
TH	THICK
TOF	TOP OF FOOTING
TOPO	TOPOGRAPHY
TW	TOP OF WALL
TYP	TYPICAL
U	
UNO	UNLESS NOTED OTHERWISE
V	
VAR	VARIES
VOL	VOLUME
W	
W/	WITH
W/O	WITHOUT
WT	WEIGHT
WWM	WELDED WIRE MESH
X	
NONE	
Y	
YD	YARD
Z	
NONE	
SYMBOLS	
@	AT
&	AND
%	PERCENT
#	POUNDS
Ø	DIAMETER
"	INCHES
'	FEET
±	PLUS/MINUS

LINE SYMBOL LEGEND

PROPERTY LINE	
EASEMENT	
SETBACK	
##	EXISTING INDEX CONTOUR
##	EXISTING CONTOUR
##	PROPOSED INDEX CONTOUR
##	PROPOSED CONTOUR
COM	COMMUNICATIONS
OE	OVERHEAD ELECTRIC
UE	UNDERGROUND ELECTRIC
F/O	FIBER OPTIC
S	SANITARY SEWER
ST	STORM SEWER
UD	UNDERDRAIN
T	TELEPHONE
W	WATER
SF	SILT FENCE
FENCE, TYPE 1	
FENCE, TYPE 2	
FENCE, TYPE 3	

SHEET NUMBERING

(NOT ALL ARE USED)



DISCIPLINE DESIGNATORS		WORK TYPE DESIGNATIONS		SHEET TYPE DESIGNATIONS	
G	GENERAL	S	LAYOUT	0	GENERAL (NOTES, LEGENDS, ETC.)
H	HAZARDOUS MATERIALS	I	IRRIGATION	1	PLANS (HORIZONTAL VIEWS)
C	CIVIL	P	PLANTING	2	ELEVATIONS (VERTICAL VIEWS)
L	LANDSCAPE	L	LIGHTING	3	SECTIONS (SECTIONAL VIEWS)
S	STRUCTURAL	G	GRADING	4	LARGE-SCALE VIEWS (ENLARGEMENTS)
A	ARCHITECTURAL	D	DEMOLITION	5	DETAILS
I	INTERIORS	R	RELOCATION	6	SCHEDULES AND DIAGRAMS
Q	EQUIPMENT	F	FURNISHING	7	USER-DEFINED
F	FIRE PROTECTION	N	NOTES/INFORMATION	8	USER-DEFINED
P	PLUMBING			9	3D REPRESENTATION (ISO, PHOTOS, ETC.)
M	MECHANICAL				
E	ELECTRICAL				
T	TELECOMMUNICATIONS				
X	OTHER DISCIPLINES				
Z	CONTRACTOR/SHOP DWG				

ARCHITECT STRUCTURAL ENG
GANNETT FLEMING ARCHITECTS INC
700 N SANGAMON ST
CHICAGO, IL 60642
PH: (312) 432-4180
BORIS GALINDO

I HEREBY CERTIFY THAT THE PORTION OF THIS DOCUMENT DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY PERSONAL SUPERVISION, AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE STATE OF ILLINOIS.

LICENSED STRUCTURAL ENGINEER — STEPHANIE COAD 081-008845 — STATE OF ILLINOIS

SIGNATURE
07-31-2026 DATE
REGISTRATION ISSUANCE DATE:
SHEETS COVERED BY SEAL: "SB"

ARCHITECT
GANNETT FLEMING ARCHITECTS INC
180 N STETSON AVE, #3700
CHICAGO, IL 60642
PH: (312) 313-7732
KENNETH KORAB

I HEREBY CERTIFY THAT THE PORTION OF THIS DOCUMENT DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY PERSONAL SUPERVISION, AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE STATE OF ILLINOIS.

STATE OF ILLINOIS — KENNETH J. KORAB 001-023317 — LICENSED ARCHITECT

SIGNATURE
07-31-2026 DATE
REGISTRATION ISSUANCE DATE:
SHEETS COVERED BY SEAL: "A" AND "AD"

ELECTRICAL ENGINEER
PRIMERA
550 W JACKSON BLVD #600
CHICAGO, IL 60661
PH: (312) 606-0910
PAT ALCOCK

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LICENSED PROFESSIONAL ENGINEER — PATRICK T. ALCOCK 062-073922 — STATE OF ILLINOIS

SIGNATURE
07-31-2026 DATE
REGISTRATION ISSUANCE DATE:
SHEETS COVERED BY SEAL: "E"

EXPIRES 11-30-27

CIVIL STRUCTURAL ENGINEER
PRIMERA
550 W JACKSON BLVD #600
CHICAGO, IL 60661
PH: (312) 606-0910
CHANDANI BHAGAT

I HEREBY CERTIFY THAT THE PORTION OF THIS DOCUMENT DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY PERSONAL SUPERVISION, AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE STATE OF ILLINOIS.

LICENSED STRUCTURAL ENGINEER — CHANDANI BHAGAT 081-008090 — STATE OF ILLINOIS

SIGNATURE
07-31-2026 DATE
REGISTRATION ISSUANCE DATE:
SHEETS COVERED BY SEAL: "S"

CIVIL ENGINEER
PRIMERA
550 W JACKSON BLVD #600
CHICAGO, IL 60661
PH: (312) 606-0910
JOHN FEHLBER

I HEREBY CERTIFY THAT THE PORTION OF THIS DOCUMENT DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY PERSONAL SUPERVISION, AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE STATE OF ILLINOIS.

JOHN P. FEHLBER — 062-054915 LICENSED PROFESSIONAL ENGINEER — STATE OF ILLINOIS

SIGNATURE
07-31-2026 DATE
REGISTRATION ISSUANCE DATE:
SHEETS COVERED BY SEAL: "C"

EXPIRES 11-30-27

LANDSCAPE ARCHITECT
CONFLUENCE
325 W HURON ST #602
CHICAGO, IL 60654
PH: (312) 663-5494
www.thinkconfluence.com
DEVON DILLINGER

STATE OF ILLINOIS — DEVON DILLINGER NO. 157.001768 — PROFESSIONAL LANDSCAPE ARCHITECT

I HEREBY CERTIFY THAT THE PORTION OF THIS DOCUMENT DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY PERSONAL SUPERVISION, AND THAT I AM A DULY REGISTERED LANDSCAPE ARCHITECT UNDER THE STATE OF IOWA.

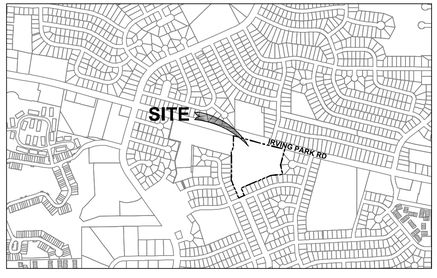
NAME REGISTRATION #157.001768 DATE
MY REGISTRATION DATE IS: 11/15/2023
SHEETS COVERED BY THIS SEAL: "GN" AND "L"

CONFLUENCE

DRAWING SHEET INDEX	
PAGE #	DRAWING SHEET TITLE
GENERAL	
GN000	COVER SHEET
GN001	NOTE & CODE REVIEW
LANDSCAPE SHEETS	
LD100	SITE PREPARATION PLAN
LS100	HARDSCAPE PLAN
LP100	PLANTING PLAN
LP101	PLANTING PLAN ENLARGEMENT - NORTH
LP102	PLANTING PLAN ENLARGEMENT - SOUTH
LS300	SITE SECTIONS
LS301	SITE SECTIONS
LS302	SITE SECTIONS
LS303	SITE SECTIONS
LS500	SITE DETAILS
LS501	PLANTING DETAILS
CIVIL SHEETS	
C001	CIVIL GENERAL NOTES & MWRD ROUTING MAP
C100	EXISTING CONDITIONS PLAN
C200	EROSION AND SEDIMENT CONTROL PLAN
C300	SUGGESTED PHASING/DEWATERING PLAN
C400	GEOMETRY PLAN
C500	UTILITY PLAN
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C700	CIVIL DETAILS
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C703	CIVIL DETAILS
C704	CIVIL DETAILS
ELECTRICAL SHEETS	
E000	ELECTRICAL GENERAL NOTES
E200	SITE LIGHTING PLAN PHASE 1
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E500	ELECTRICAL SCHEDULES PHASE 1
E500	ELECTRICAL SCHEDULES PHASE 2
E501	ELECTRICAL SECTIONS AND DETAILS

SITE STRUCTURAL SHEETS	
S-100	STRUCTURAL GENERAL NOTES
S-200	STRUCTURAL FOUNDATION PLANS AND SECTIONS
S-201	LIGHT POLE FOUNDATION DETAILS
ARCHITECTURAL SHEETS	
A-100.1	SITE PLAN
A-101.1	FLOOR PLAN - LEVEL 1
A-200.1	ELEVATIONS
A-201.1	ENLARGED PLAN - COMPOSITE DECKING INFILL
A-300.1	RENDERING - FOR INFORMATION ONLY
A-301.1	RENDERING - FOR INFORMATION ONLY
A-401.1	DETAILS
AD-101.2	DEMOLITION PLAN - LEVEL 1
A-100.2	SITE PLAN
A-101.2	FLOOR PLAN - LEVEL 1
A-102.2	ROOF PLAN
A-200.2	ELEVATIONS
A-201.2	ENLARGED PODS @ TOP OF DECK
A-300.2	RENDERING - FOR INFORMATION ONLY
A-301.2	RENDERING - FOR INFORMATION ONLY
A-302.2	RENDERING - FOR INFORMATION ONLY
A-303.2	RENDERING - FOR INFORMATION ONLY
A-401.2	DETAILS
ARCHITECTURE STRUCTURAL SHEETS	
SB-001	STRUCTURAL NOTES
SB-101.1	STRUCTURAL FOUNDATION PLAN
SB-102.1	STRUCTURAL DECK FRAMING PLAN
SB-102.2	STRUCTURAL DECK FRAMING PLAN PHASE 2
SB-103.2	STRUCTURAL CANOPY ROOF FRAMING PLAN
SB-201.2	STRUCTURAL SECTIONS - CANOPY ROOF
SB-501.1	STRUCTURAL DETAILS - FOUNDATION
SB-502.1	STRUCTURAL DETAILS - STEEL
SB-502.2	STRUCTURAL DETAILS - STEEL PHASE 2
SB-503.2	STRUCTURAL DETAILS - CANOPY COLUMN I
SB-504.2	STRUCTURAL DETAILS - CANOPY COLUMN II
END OF INDEX	

VICINITY MAP



ISSUED FOR
100% CD SET
ON
07/31/2026

811 Know what's below. Call before you dig.

COVER SHEET

CONFLUENCE PROJECT # 24255

GN000

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CITY ZONE COMPLIANCE

A. THE SUBJECT SITE IS ZONED R-3 SINGLE FAMILY.

B. THE DESCRIBED GATEWAY COMMUNITY SPACE IS CONSIDERED A "PUBLIC AND QUASI-PUBLIC USES" LAND USE, WHICH REQUIRES USE PERMIT AUTHORIZATION PURSUANT TO 11-5.4-3.

C. ADDRESS:555 EAST IRVING PARK ROAD STREAMWOOD, IL 60107

D. PIN: 06264030330000

CITY CODE COMPLIANCE
(TITLE 11 CHAPTER 4 11-5.4)

A. R-3 SINGLE GAMILY RESIDENTIAL ZONING IS TO PROVIDE FOR A DISTRICT WHICH ALLOWS FOR AN AFFORDABLE SINGLE FAMILY HOME IN A WELL PLANNED ENVIRONMENT. THIS DISTRICT IS DESIGNED TO ACCOMMODATE THE OLDER SECTIONS OF STREAMWOOD.

B. PROPOSED POND AND MUNICIPAL IMPROVEMENTS REQUIRE USE PERMIT AUTHORIZATION PURSUANT TO 11-5.4-3.

C. MIN LOT SIZE: 7,800 SF

D. MIN WIDTH AT FRONT SETBACK LINE: N/A

E. SETBACK REQUIRED:

E.A. FRONT: 25 FT
E.B. SIDES/STREET SIDE: 8 FT.
E.C. REAR: 30 FT.

F. MAXIMUM FAR: 40%

G. SITE COVERAGE, MAXIMUM: 35%

H. HEIGHT LIMITS: 35 FT.

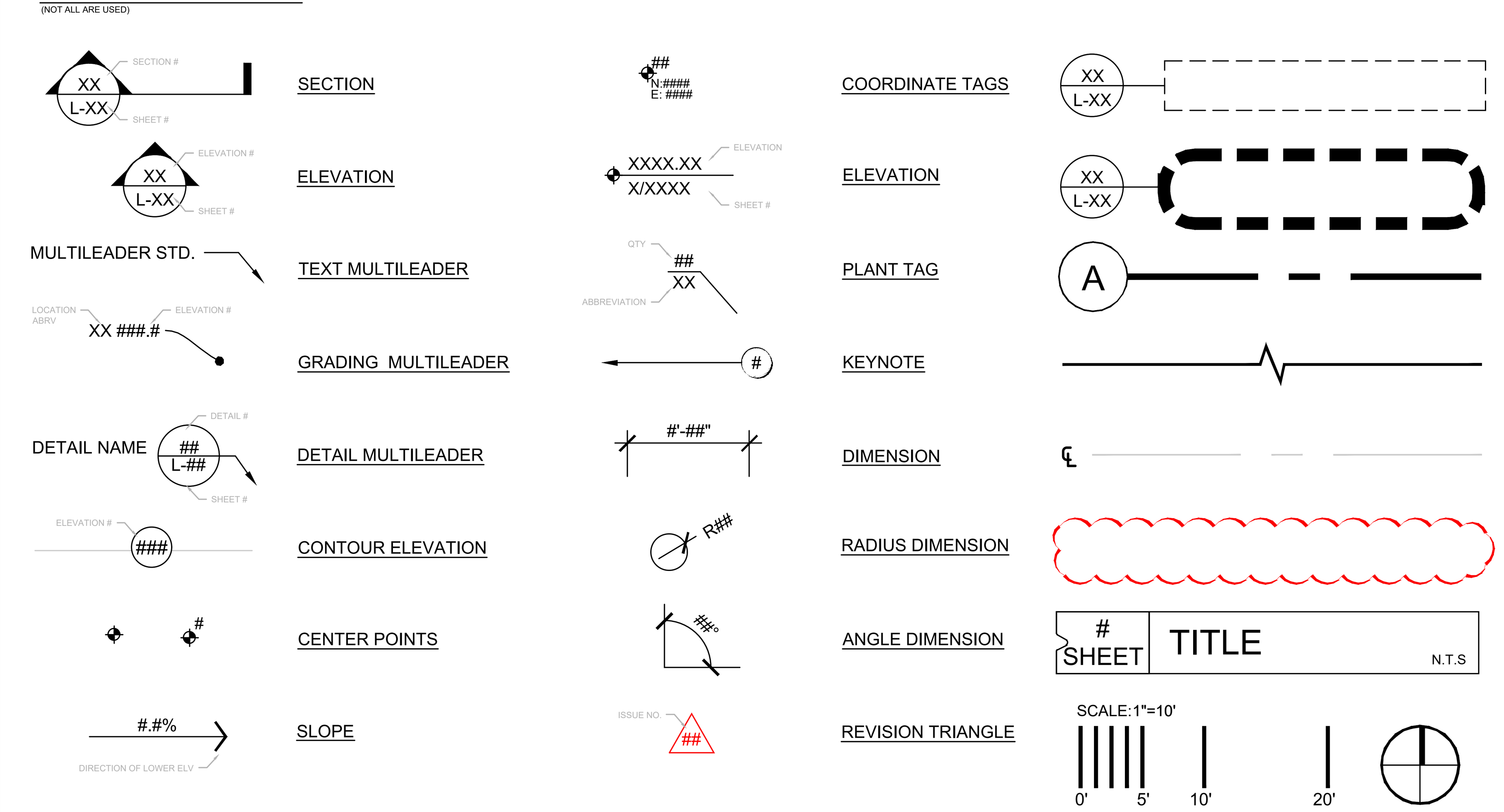
USACE GENERAL NOTES

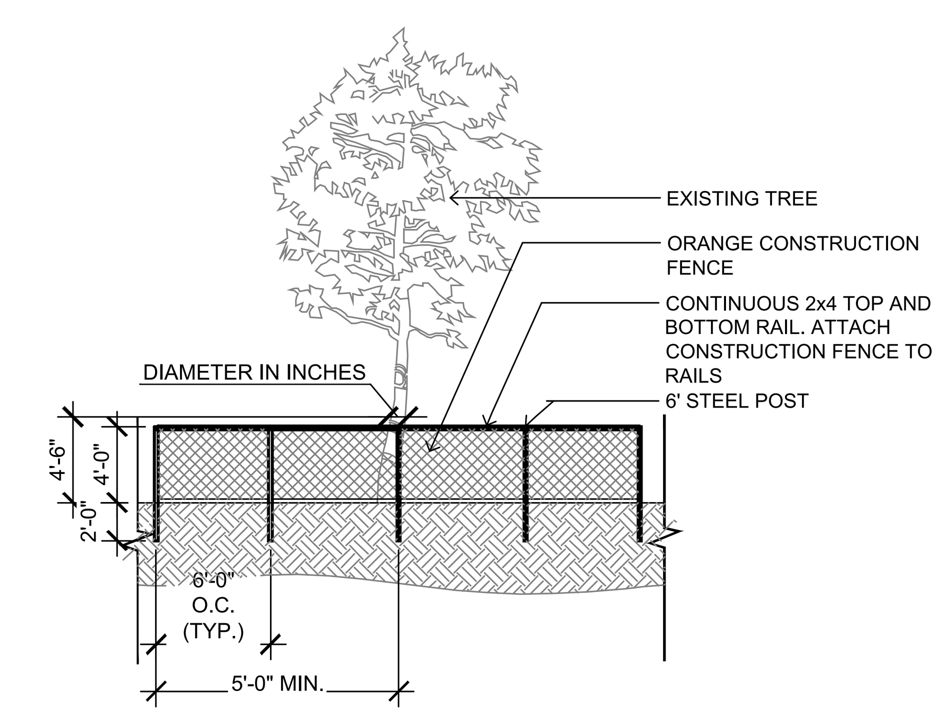
A. ANY SPOIL MATERIAL EXCAVATED, DREDGED OR OTHERWISE PRODUCED FROM WETLAND 1/WATERS 1 WILL NOT BE RETURNED TO THE AQUATIC RESOURCES. MATERIAL WILL BE DEPOSITED IN A SELF-CONTAINED AREA IN COMPLIANCE WITH ALL FEDERAL AND STATE STATUTES.

B. EXCAVATION PERFORMED TO DREDGE AND EXPAND 'WETLAND 1/WATERS 1' WILL BE CONDUCTED MECHANICALLY USING LOW GROUND PRESSURE, AMPHIBIOUS EQUIPMENT, AND OR ACCESS MATS. THE CONTRACTOR WILL SUBMIT A FINAL IN-STREAM WORK PLAN FOLLOWING AWARD THAT WILL INCLUDE PROPOSED EQUIPMENT AND ACCESS APPROACH. NO BLADED EQUIPMENT WILL BE UTILIZED WITHIN THE BOUNDARIES OF 'WETLAND 1/WATERS 1'.

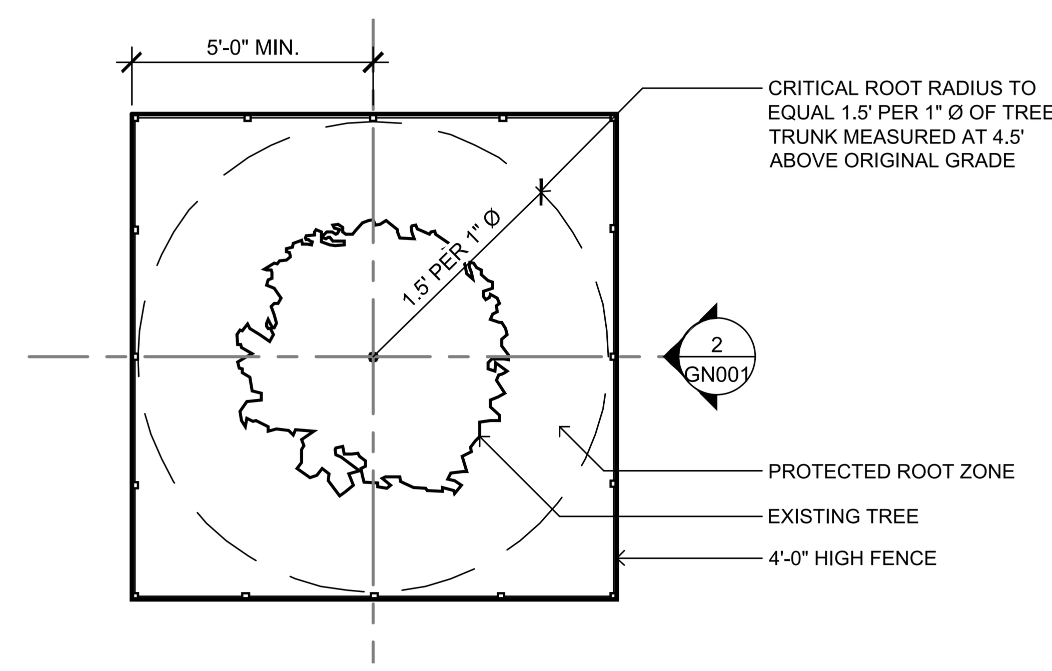
C. MATERIAL USED FOR CONSTRUCTION OR DISCHARGED INTO THE AQUATIC RESOURCES WILL BE CLEAN FILL.

DRAWING SYMBOLS
(NOT ALL ARE USED)





2
GN001
SECTION: TREE PROTECTION, TYP. SCALE: 1/8"=1'-0"



1
GN001
PLAN: TREE PROTECTION, TYP. SCALE: 1/8"=1'-0"

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STRUCTURAL ENGINEER
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CHICAGO, IL 60642
(312) 432-4180

Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

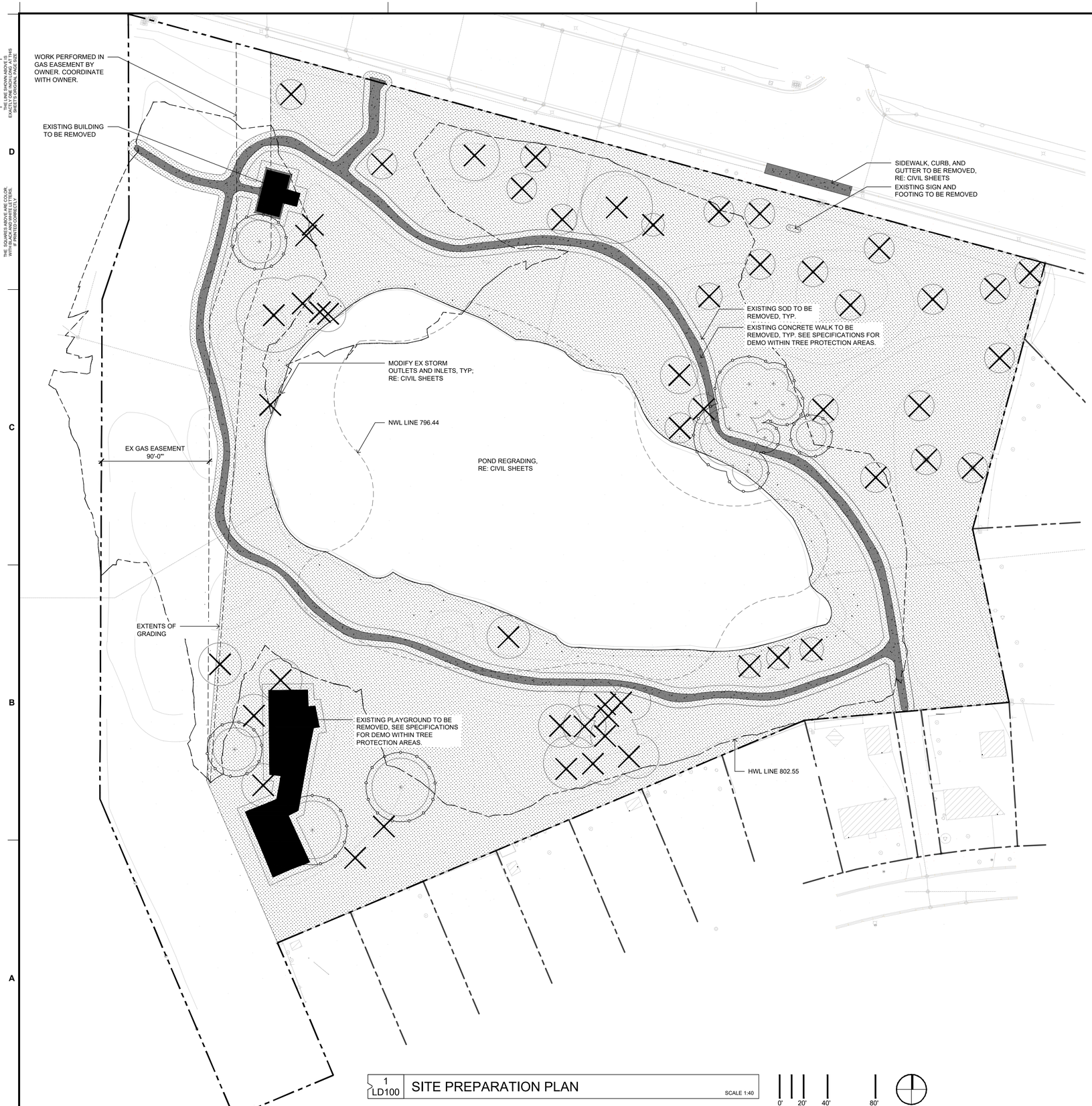
Project Number	24255
Issue	100% CD REVIEW
Date	07/31/2026

NOTES & CODE REVIEW

GN001

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C M Y K
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1 LD100 SITE PREPARATION PLAN SCALE 1:40

0' 20' 40' 80'

PREPARATION/DEMOLITION GENERAL NOTES

A. REFERENCE ALL DRAWING SHEETS AND SPECIFICATIONS THROUGHOUT THE CONSTRUCTION DOCUMENTS. NOT ALL NOTES ARE ON THIS SHEET. REFER TO OTHER DIVISIONS SHEETS FOR ALL SCOPES OF WORK PRIOR TO CONSTRUCTION.

B. PRIOR TO ANY EXCAVATION AT THE SITE, CONTRACTOR SHALL CONSULT WITH OWNER'S PERSONNEL AND UTILITY COMPANIES REPRESENTATIVES TO DETERMINE POSSIBLE UTILITY LOCATIONS AND DEPTHS. NO COMPENSATION WILL BE ALLOWED FOR DAMAGE RESULTING FROM FAILURE TO COMPLY WITH THIS REQUIREMENT. REPORT ANY DAMAGE TO EXISTING UTILITIES PRIOR TO REPAIR. DAMAGE TO UTILITIES AND STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER OF THE UTILITY.

C. CONTRACTORS TO FIELD ADJUST ALL EXISTING SITE UTILITIES TO NEW FINISH GRADES IF NECESSARY. EXISTING UTILITIES INCLUDE, BUT ARE NOT LIMITED TO FIRE HYDRANTS, MANHOLE RIMS, INLETS, WATER VALVES AND LIGHT BASES.

D. FIELD VERIFY EXISTING GRADES AND LOCATIONS OF EXISTING UTILITIES, CONDUIT, LINES, POLES, TREES, PAVING, BUILDING AND OTHER SITE STRUCTURES PRIOR TO DEMOLITION OR CONSTRUCTION AND IMMEDIATELY INFORM THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES. THE CONTRACTOR SHALL REPORT TO THE OWNER ANY DAMAGE TO OWNER'S PROPERTY PRIOR TO REPAIR.

E. REPORT TO OWNER'S REPRESENTATIVE ANY DAMAGE TO EXISTING UTILITIES PRIOR TO REPAIR.

F. PROTECT ALL ITEMS WITHIN CONTRACT LIMITS NOT INDICATED TO BE REMOVED. NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.

G. CONTACT THE LANDSCAPE ARCHITECT PRIOR TO REMOVING ANY PLANT MATERIAL NOT INDICATED TO BE PROTECTED OR REMOVED.

H. CONTRACTOR TO PROVIDE ADEQUATE BARRICADES AND TRAFFIC CONTROL. COMPLY WITH REQUIREMENTS OF LOCAL JURISDICTION. CONTRACTOR TO COORDINATE REMOVAL AND/OR STORAGE AND REPLACEMENT OF BARRICADES WITH THE LOCAL JURISDICTION.

I. CONTRACTOR SHALL SAW CUT ALL ASPHALT OR CONCRETE TO BE REMOVED TO THE NEAREST CONTROL JOINT WHERE PRACTICAL.

J. ALL WORK SHALL BE IN ACCORDANCE WITH OSHA CODES AND STANDARDS. NOTHING INDICATED ON THESE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS.

K. REVIEW ALL CITY TREE MITIGATION REQUIREMENTS AND/OR PERMIT PROCESS PRIOR TO REMOVING ANY TREES ON SITE.

L. ALL WORK WITHIN THE GAS EASEMENT PATH TO BE COMPLETED BY OWNER PRIOR TO START OF CONSTRUCTION.

M. ALL TREE PRUNING, TREE REMOVAL, AND SHRUB REMOVAL WITHIN THE PROJECT LIMITS MUST OCCUR BETWEEN OCTOBER 1 AND MARCH 31.

LEGEND:

- REMOVE AND LEGALLY DISPOSE OF EXISTING HARD SURFACE, TYP.
- EXISTING SOD TO BE GRUBBED AND LEGALLY DISPOSE, TYP.
- REMOVE AND LEGALLY DISPOSE OF EXISTING SITE ELEMENTS (E.G. PLAYGROUND, BUILDING)
- TREE PROTECTION FENCE, REFER TO 1/GN001
- TREE TO BE PROTECTED
- TREE TO BE REMOVED

EXISTING TREES

LABEL	DBH	MULTI
785	30	N
786	36	N
787	25.5	Y
788	31	Y
808	29	Y
860	40	N
898	16	Y
899	42	N
900	54	N
906	14	N
908	40	N
948	84	N
949	84	N
956	10	N
959	10	N
960	72	N
962	37	Y
963	32	N
966	20	N
967	18	Y
970	12	N
1140	14	Y
1141	10	N
1143	16	N
1146	8	N
1149	16	N
1161	24	N
1164	24	N
1441	14	Y
1635	20	N
1637	22	N
1795	14	N
1797	3	N
1798	3	N
1811	34	Y
2330	20	N
2331	20	N
2332	28	N
2333	8	Y
2334	9	Y
2335	20	N
2336	8	Y
2337	14	Y
2338	18	N
3279	28	N
3280	28	N
3282	30	N
3284	28	N
3285	11	Y
3286	30	N

TOTAL DBH TO REMOVE (in):	1258.5

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GANNETT FLEMING, INC
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CHICAGO, IL 60642
(312) 432-4180

Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD REVIEW
Date	07/31/2026

SITE PREPARATION PLAN

LD100

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS ASSET'S ORIGINAL PLOT SIZE

THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE LETTERS. IF NOT CORRECT, ...

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1 LS100 HARDSCAPE PLAN SCALE 1:40

0' 20' 40' 80'

SITE LAYOUT NOTES

A. ALL CURB AND GUTTER DIMENSIONS ARE TO FACE OF CURB. ALL SIDEWALK DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.

B. WHEN CONTROL POINTS ARE PROVIDED THE CONTRACTOR SHALL VERIFY CONTROL POINTS PRIOR TO CONSTRUCTION.

C. ALL RAMPS AND CURB RAMPS SHALL COMPLY WITH FEDERAL AND LOCAL ACCESSIBILITY STANDARDS.

D. CONTRACTOR TO SUPPLY AND INSTALL ALL NECESSARY SLEEVES UNDER PAVING AND WALKS. COORDINATE LOCATIONS WITH GENERAL CONTRACTOR.

E. SITE PLAN SHOWS DIAGRAMMATIC LAYOUT OF CONTROL JOINTS. UNLESS NOTED OTHERWISE EXPANSION JOINTS SHALL BE PLACED AT A MAXIMUM OF 35' O.C. AND ADJACENT TO FIXED VERTICAL STRUCTURES SUCH AS WALLS, CURBS, STEPS AND BUILDINGS.

F. PROPOSED SIGNAGE TO MEET LOCAL SIGN CODES. CONTRACTOR SHALL SECURE SIGN PERMITS WHERE REQUIRED

UTILITY GENERAL NOTES

A. DEWATERING (IF REQUIRED) IS CONSIDERED AN INCIDENTAL EXPENSE. NO ADDITIONAL PAYMENT WILL BE MADE FOR DEWATERING.

B. COORDINATE INSPECTIONS FOR CONNECTIONS TO PUBLIC WATER, SANITARY, AND STORM SEWER WITH THE APPROPRIATE JURISDICTIONS.

C. INSTALL TEMPORARY INLET PROTECTION AROUND ALL PERMANENT STORM SEWER INLETS IN COMPLIANCE WITH LOCAL SWPPP REQUIREMENTS.

D. CONTRACTOR TO FIELD ADJUST ALL EXISTING SITE UTILITIES TO NEW FINISH GRADES. EXISTING UTILITIES INCLUDE, BUT ARE NOT LIMITED TO, FIRE HYDRANTS, MANHOLE RIMS, INLETS, WATER VALVES AND LIGHT BASES.

E. FOR PATCHING USE PAVEMENT MIX PER VILLAGE OF STREAMWOOD STANDARD SPECIFICATIONS.

F. GAS EASEMENT PATH WILL BE COMPLETE BEFORE PROJECT STARTS

(#) KEYNOTES

1. ACC PATH; BY OTHERS; NIC
2. PCC PATH; RE: 02/LS500
3. DECK STAGE; RE: ARCH SHEETS
4. PCC 12" W BAND; RE: 03/LS500
5. RAILING; RE: ARCH SHEETS
6. STABILIZED DECOMPOSED GRANITE; RE: 04/LS500
7. BOULDER TERRACE SEATING; RE: 05/LS500
8. PCC STEPS; RE: 07/LS500
9. BOULDER RETAINING WALLS; RE: 06/LS500
10. STEEL EDGING; RE: 09/LS500
11. PLANTING AREA; RE: PLANTING SHEETS
12. MONUMENT SIGN; RE: 08/LS500
13. UNIT RETAINING WALL; RE: 10/LS500
14. POND & WET LAND PLANTING; RE: PLANTING SHEET
15. LIGHTING & FOOTING; RE: ELECTRICAL SHEET
16. CATENARY LIGHTING; RE: ELECTRICAL SHEET
17. CIVIL SCOPE; RE: CIVIL SCOPE
18. FUTURE PREFAB BATHROOM; NIC
19. SPLASH ROCK; RE: A SHEETS
20. STONE STEPS; RE: 13/LS500
21. FLOATING POND AERATOR; RE: 03/LS303
22. PERFORATED DRAIN PIPE; RE: 11/LS500
23. TEMPORARY GUARDRAIL; RE: SPEC

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD REVIEW
Date	07/31/2026

HARDSCAPE PLAN

LS100

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEET'S ORIGINAL PLOT SIZE

THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE LETTERS. PRINT ACCORDINGLY

File Location: \\corp.thinkconfluence.com\data\Chicago\Projects\2024\24255_ Kollar Pond - Phase 1\24255_ WORKINGS\AUTOCAD\SHEETS\LS100 HARDSCAPE PLAN / SAVE DATE: 9/3/2026 10:45 AM BY: tvuchinich / PLOT DATE: 9/3/2026 12:30 PM BY: Tori Vuchinich



PLANTING GENERAL NOTES

A. PLANT QUANTITIES IN PLANT SCHEDULE ARE FOR CONVENIENCE ONLY AND ARE NOT GUARANTEED. QUANTITIES ON PLAN WILL PREVAIL IF DISCREPANCIES OCCUR.

B. THE CONTRACTOR SHALL SHOW PROOF OF PROCUREMENT, SOURCES, QUANTITIES AND VARIETIES FOR ALL SHRUBS, PERENNIALS, ORNAMENTAL GRASSES, AND ANNUALS WITHIN 21 DAYS FOLLOWING THE AWARD OF CONTRACT. TIMELY PROCUREMENT OF ALL PLANT MATERIAL IS ESSENTIAL TO THE SUCCESSFUL COMPLETION AND ACCEPTANCE OF THE PROJECT.

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D. ALL PLANT MATERIAL SHALL BE NURSERY GROWN, SOUND, HEALTHY, VIGOROUS AND FREE FROM INSECTS, DISEASE AND INJURIES, WITH HABIT OF GROWTH THAT IS NORMAL FOR THE SPECIES. SIZES SHALL BE EQUAL TO OR EXCEEDING SIZES INDICATED ON THE PLANT LIST. KIND, SIZE AND QUALITY OF PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1), MOST RECENT EDITION.

E. STAKE OR PLACE ALL PLANTS IN FIELD AS INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO PLANTING.

F. PLANT FIVE TREES FOR LANDSCAPE ARCHITECT APPROVAL PRIOR TO PLANTING THE REMAINING TREES ON SITE. DEMONSTRATION SHOULD ILLUSTRATE A COMPREHENSIVE UNDERSTANDING OF INFORMATION INCLUDED IN PLANTING DETAILS AND SPECIFICATIONS.

G. PROVIDE A MINIMUM OF 48 HOURS NOTICE FOR APPROVAL OF PLANT LAYOUT AND SAMPLE TREE PLANTINGS.

H. THE CONTRACTOR SHALL REPORT SUBSURFACE SOIL OR DRAINAGE PROBLEMS TO THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.

I. SEED ALL AREAS WITHIN CONTRACT LIMITS, NOT COVERED BY PAVING, BUILDINGS, OR PLANTING BEDS, UNLESS OTHERWISE NOTED.

J. CONTRACTOR SHALL PLACE SHREDDED BARK MULCH AROUND ALL TREES AND IN ALL PLANTING BEDS TO A DEPTH OF 3" MIN.

K. SEE SPECIFICATIONS FOR PLANT MAINTENANCE AND WARRANTY REQUIREMENTS.

(#) KEYNOTES

1. PLANTING BED
2. SOD TURF
3. SEED MIX
4. WETLAND PLANTING
5. POND EDGE EROSION MIX
6. RIPARIAN FILTER PLANTING
7. NEW TREE, TYP.
8. AQUATIC PLANTING (UNDERWATER PLANTS)

PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING/REMARK
			CANOPY TREES			
AR2	6	*Aesculus x carnea*	RED HORSECHESTNUT	6" cal.		
AX	3	*Amelanchier x grandiflora*	APPLE SERVICEBERRY	6" cal.		
BP	4	*Betula pendula*	EUROPEAN WHITE BIRCH	6" cal.		
CC	22	*Cercis Canadensis*	EASTERN REDBUD	6" cal.		
LT	11	*Liriodendron tulipifera*	TULIP POPLAR	6" cal.		
MA	10	*Magnolia acuminata*	CUCUMBERTREE MAGNOLIA	6" cal.		
PW	4	*Prunus serotina*	BLACK CHERRY	6" cal.		
QA	1	*Quercus alba*	WHITE OAK	6" cal.		
			CONIFER TREES			
TO	10	*Thuja occidentalis*	AMERICAN ARBORVITAE	5' ht		
			SHRUBS			
CA	21	*Ceanothus americanus*	NEW JERSEY TEA	5 gal		60" o.c.
CR	70	*Cornus sericea*	RED TWIG DOGWOOD	5 gal		120" o.c.
HW	14	*Hydrangea arborescens*	SMOOTH HYDRANGEA	5 gal		72" o.c.
HQ	4	*Hydrangea quercifolia*	OAKLEAF HYDRANGEA	5 gal		72" o.c.
HP	107	*Hydrangea paiculata 'Limelight'*	LIMELIGHT HYDRANGEA	5 gal		72" o.c.
HJ	74	*Hypericum kalmianum*	KALM ST. JOHNSWORT	5 gal		72" o.c.
JC	78	*Juniperus pfitzeiana 'Kallay's Compact'*	KALLAY'S COMPACT JUNIPER	5 gal		72" o.c.
PM	49	*Pinus mugo var. pumilio*	DWARF MOUNTAIN MUGO PINE	3 gal		120" o.c.
			PERENNIALS			
AH	221	*Allium hollandicum*	ORNAMENTAL ONION	1 gal		6" o.c.
AL	77	*Amorpha canescens*	LEADPLANT	1 gal		36" o.c.
AS	235	*Acorus americanus*	SWEET FLAG	1 gal		36" o.c.
AT	102	*Asclepias tuberosa*	BUTTERFLY MILKWEED	1 gal		36" o.c.
AS2	1,633	*Alisma subcordatum*	AMERICAN WATER PLANTAIN	1 gal		12" o.c.
AF	26	*Amorpha fruticosa*	FALSE INDIGO	1 gal		72" o.c.
AM	69	*Aronia melanocarpa*	BLACK CHOKEBERRY	1 gal		60" o.c.
CA2	163	*Carex aquatilis*	WATER SEDGE	1 gal		48" o.c.
CH	433	*Carex hystericina*	PORCUPINE SEDGE	1 gal		24" o.c.
CV	130	*Carex vulpinoidea*	FOX SEDGE	1 gal		36" o.c.
ES	48	*Echinacea x 'Sensation Pink'*	SENSATION PINK CONEFLOWER	1 gal		36" o.c.
EO	347	*Eleocharis erythropoda*	BLUNT SPIKERUSH	1 gal		12" o.c.
EH	45	*Equisetum hyemale*	HORSETAIL	1 gal		72" o.c.
EJ	65	*Eupatorium maculatum*	JOE PYE WEED	1 gal		48" o.c.
HI	98	*Heuchera x 'Wild Rose'*	PRIMO® WILD ROSE CORAL BELLS	1 gal		18" o.c.
HS	17	*Hosta sieboldiana 'Elegans'*	ELEGANS HOSTA	1 gal		48" o.c.
JE	263	*Juncus effusus*	SOFT RUSH	1 gal		24" o.c.
LC	44	*Lobelia cardinalis*	CARDINAL FLOWER	1 gal		12" o.c.
PC2	540	*Pontederia cortada*	PICKEREL WEED	1 gal		24" o.c.
SL	302	*Sagittaria latifolia*	BROADLEAF ARROWHEAD	1 gal		36" o.c.
ST	101	*Sambucus pubens*	AMERICAN RED ELDER	1 gal		60" o.c.
SA	80	*Sparganium americanum*	BUR-REED	1 gal		36" o.c.
SE	607	*Sparganium eurycarpum*	COMMON BUR-REED	1 gal		24" o.c.
			GRASSES			
PA	19	*Pennisetum alopecuroides*	FOUNTAIN GRASS	1 gal		
CL	20	*Chasmanthium latifolium*	NORTHERN SEA OATS	1 gal		48" o.c.
			GROUNDCOVER			
	472	*Ajuga reptans*	CARPET BUGLE	6" pots		9" o.c.
	461	*Liriope spicata*	CREEPING LILYTURF	6" pots		12" o.c.
	24	*Phlox stolonifera*	CREEPING PHLOX	6" pots		36" o.c.

HATCH LEGEND

- ALLIUM HOLLANDICUM (535.00 SF)
- ARONIA MELANOCARPA (2,358.00 SF)
- ACORUS AMERICANUS (2,256.00 SF)
- ALISMA SUBCORDATUM (1,542.00 SF)
- AMORPHA CANESCENS (337.00 SF)
- CAREX AQUATILIS (2,980.00 SF)
- CAREX HYSTERICINA (1,835.00 SF)
- CAREX VULPINOIDEA (1,440.00 SF)
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- EUPATORIUM MACULATUM (1,542.00 SF)
- ELEOCHARIS ERYTHROPODA (377.00 SF)
- HEUCHERA X 'WILD ROSE' (1,151.00 SF)
- JUNCUS EFFUSUS (1,457.00 SF)
- LOBELIA CARDINALIS (719.00 SF)
- PONTEDERIA CORTADA (2,166.00 SF)
- SPARGANIUM AMERICANUM (895.00 SF)
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- SAMBUCUS PUBENS (3,289.00 SF)
- UNDERWATER PLANTING AREA (6,007.00 SF)
- MOIST MEADOW - RAIN GARDEN SEED MIX (5,182.00 SF)
- SOD (38,699.00 SF)
- NO MOW LAWN SEED MIX (21,654.00 SY)

REFER TO LP100 FOR TREE AND BUFFER PLANTING CALL OUTS AND SCHEDULE.

1 LP100 PLANTING PLAN SCALE 1:40

0' 20' 40' 80'

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD REVIEW
Date	07/31/2026

PLANTING PLAN

LP100

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG. AT THIS ASSET'S ORIGINAL PAPER SIZE

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UNDERWATER PLANT SCHEDULE

KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING/REMARK
		DECIDUOUS SHRUBS			
CO	*Cephalanthus occidentalis*	BUTTONBUSH	5 gal		TO BE PLACED IN FIELD
		PERENNIALS			
AF	*Amorpha fruticosa*	FALSE INDIGO	5 gal		TO BE PLACED IN FIELD
IV	*Iris virginica*	BLUE FLAG IRIS	5 gal		TO BE PLACED IN FIELD
PA2	*Persicaria amphibia*	WATER SMARTWEED	5 gal		TO BE PLACED IN FIELD
AF	*Amorpha fruticosa*	FALSE INDIGO	5 gal		TO BE PLACED IN FIELD
		GRASSES			
CL2	*Carex lacustris*	COMMON LAKE SEDGE	5 gal		TO BE PLACED IN FIELD
SP	*Schoenoplectus pungnes*	COMMON THREESQUARE	5 gal		TO BE PLACED IN FIELD
ST2	*Schoenoplectus tabernaemontani*	SOFTSTEM BULRUSH	5 gal		TO BE PLACED IN FIELD

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1 LP101 PLANTING ENLARGEMENT SCALE 1:20

0' 10' 20' 40'

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
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Project Number	24255
Issue	100% CD REVIEW
Date	07/31/2026

PLANTING PLAN ENLARGEMENT - NORTH

LP101

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C M Y K

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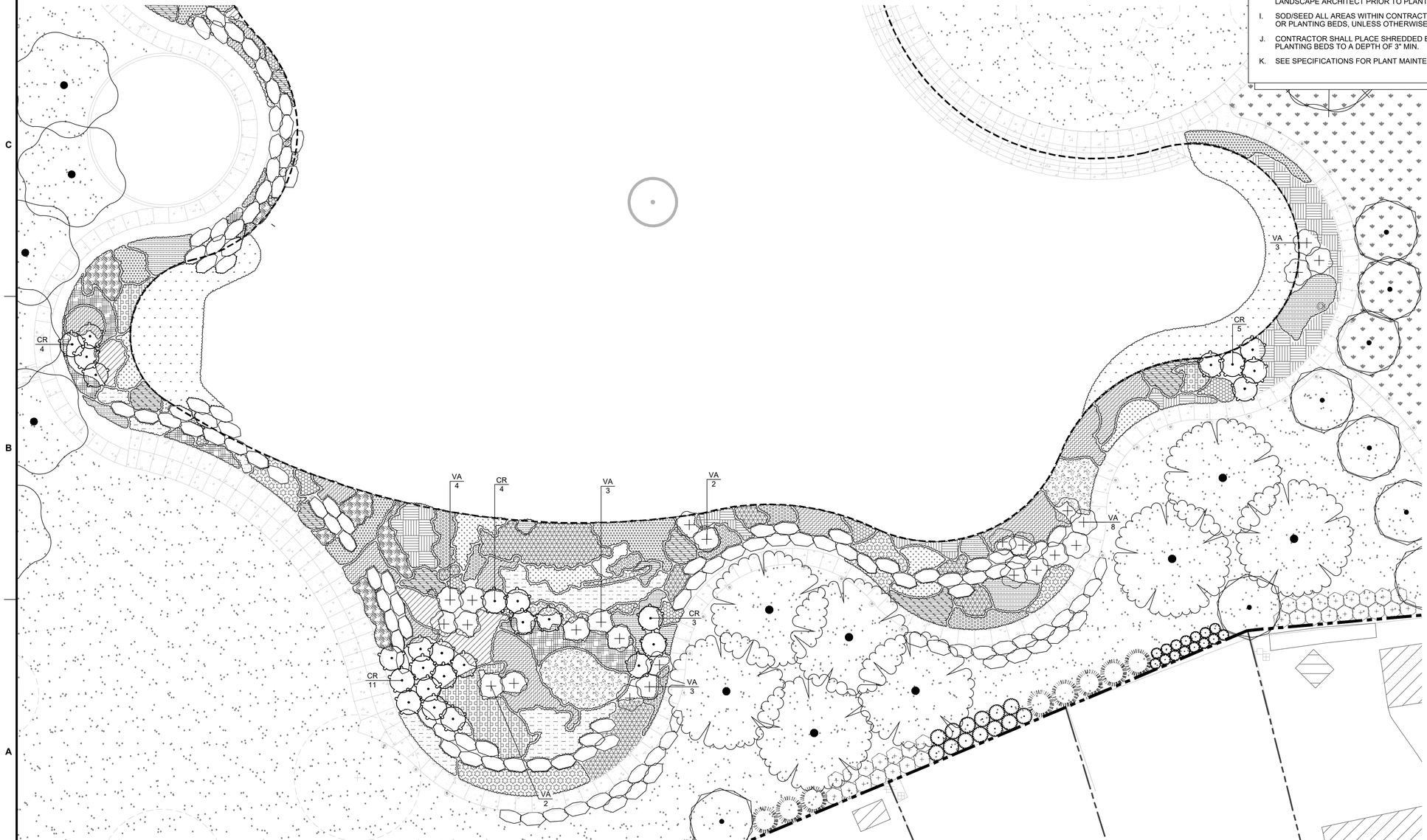
G. PROVIDE A MINIMUM OF 48 HOURS NOTICE FOR APPROVAL OF PLANT LAYOUT AND SAMPLE TREE PLANTINGS.

H. THE CONTRACTOR SHALL REPORT SUBSURFACE SOIL OR DRAINAGE PROBLEMS TO THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.

I. SOD/SEED ALL AREAS WITHIN CONTRACT LIMITS, NOT COVERED BY PAVING, BUILDINGS, OR PLANTING BEDS, UNLESS OTHERWISE NOTED.

J. CONTRACTOR SHALL PLACE SHREDDED BARK MULCH AROUND ALL TREES AND IN ALL PLANTING BEDS TO A DEPTH OF 3" MIN.

K. SEE SPECIFICATIONS FOR PLANT MAINTENANCE AND WARRANTY REQUIREMENTS.



1 LP102 PLANTING PLAN ENLARGEMENT - SOUTH SCALE 1:20

0' 10' 20' 40'

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(312) 432-4180

Revision Schedule

No.	Date	Description

VILLAGE OF STREAMWOOD EST. 1957

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD REVIEW
Date	07/31/2026

PLANTING PLAN ENLARGEMENT - SOUTH

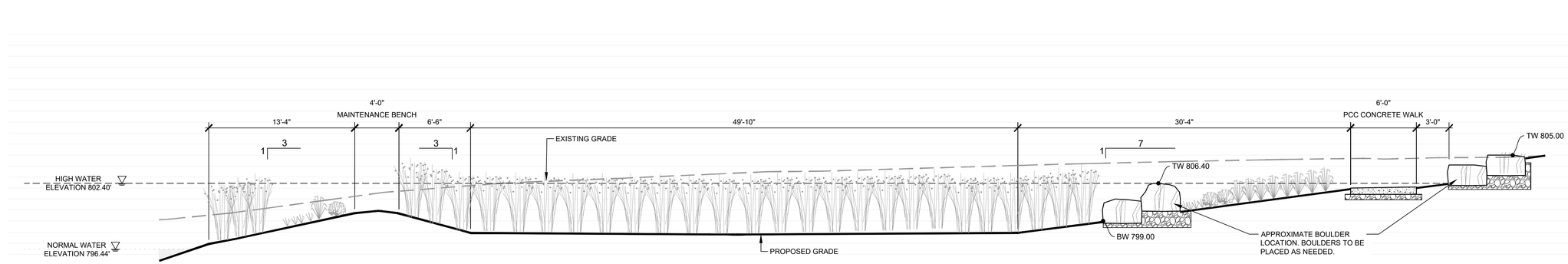
LP102

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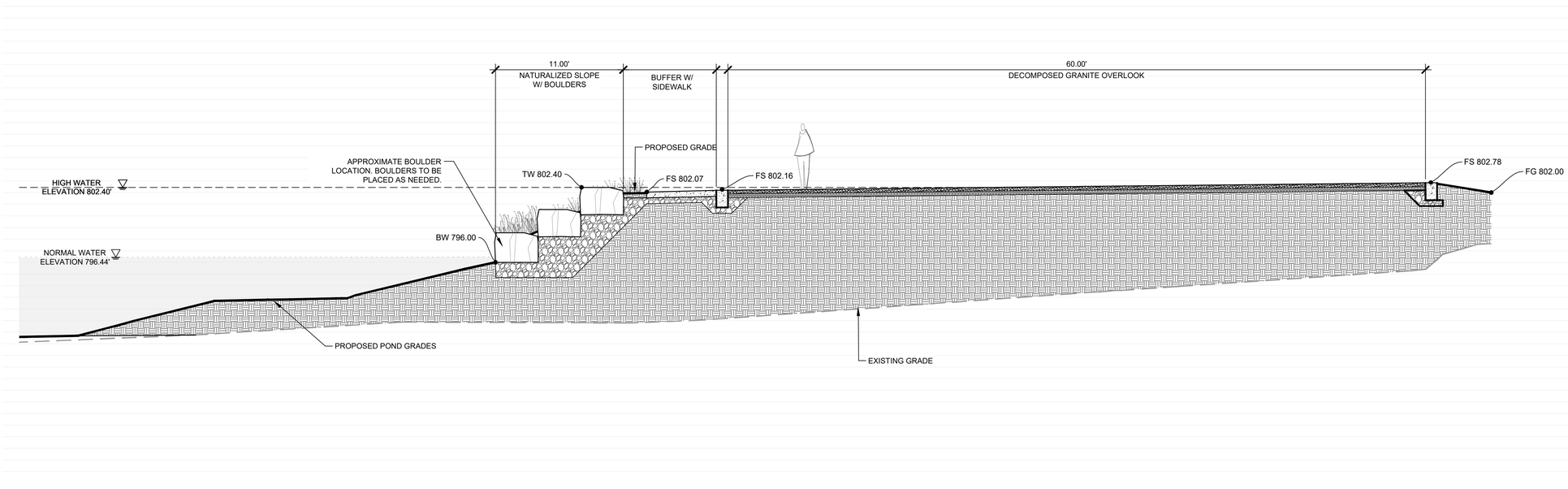
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEET'S ORIGINAL PLOT SIZE

THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE LETTERS. IF NOT CORRECT, ...



02 LS300 SITE SECTIONS

N.T.S



01 LS300 SITE SECTIONS

N.T.S

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD REVIEW
Date	07/31/2026

SITE SECTIONS

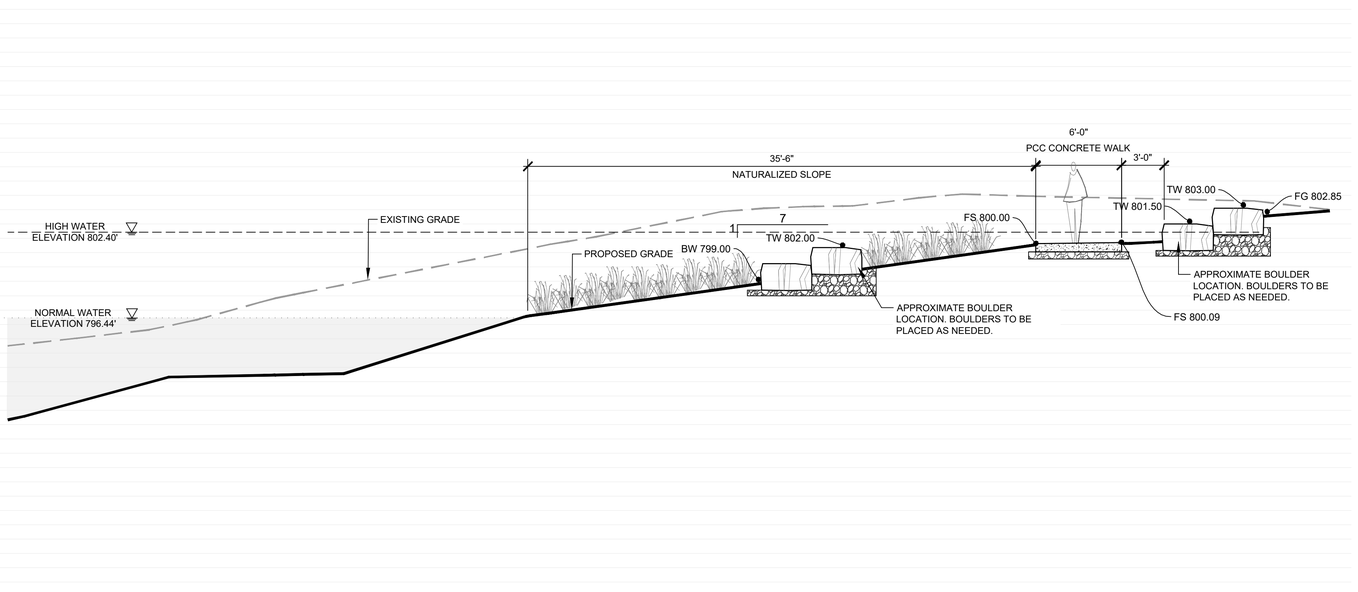
LS300

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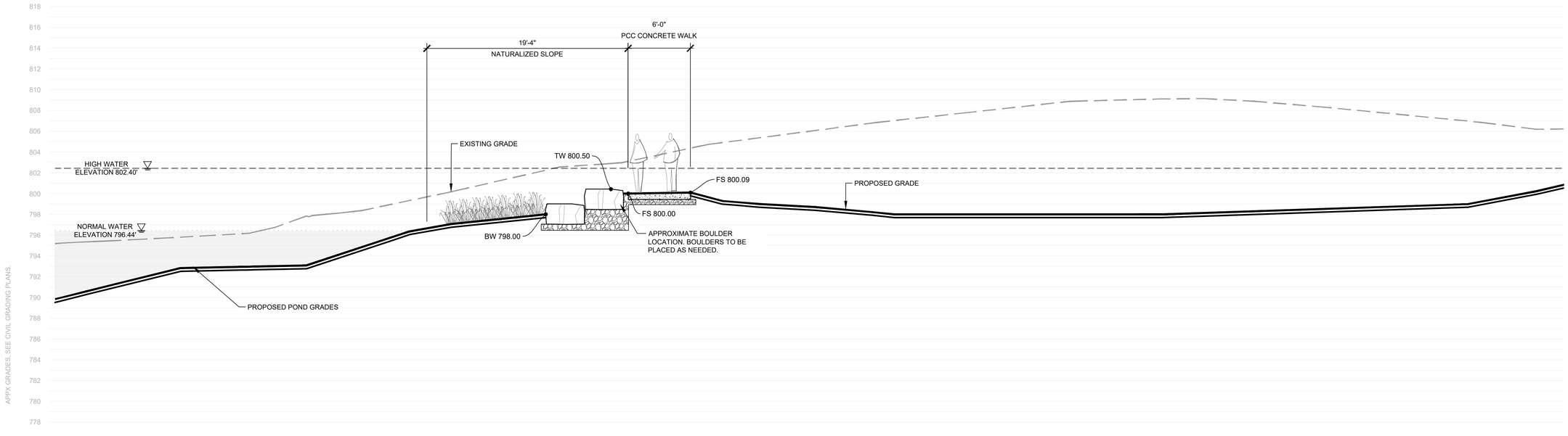
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02 LS301 SITE SECTIONS

N.T.S



01 LS301 SITE SECTIONS

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD REVIEW
Date	07/31/2026

SITE SECTIONS

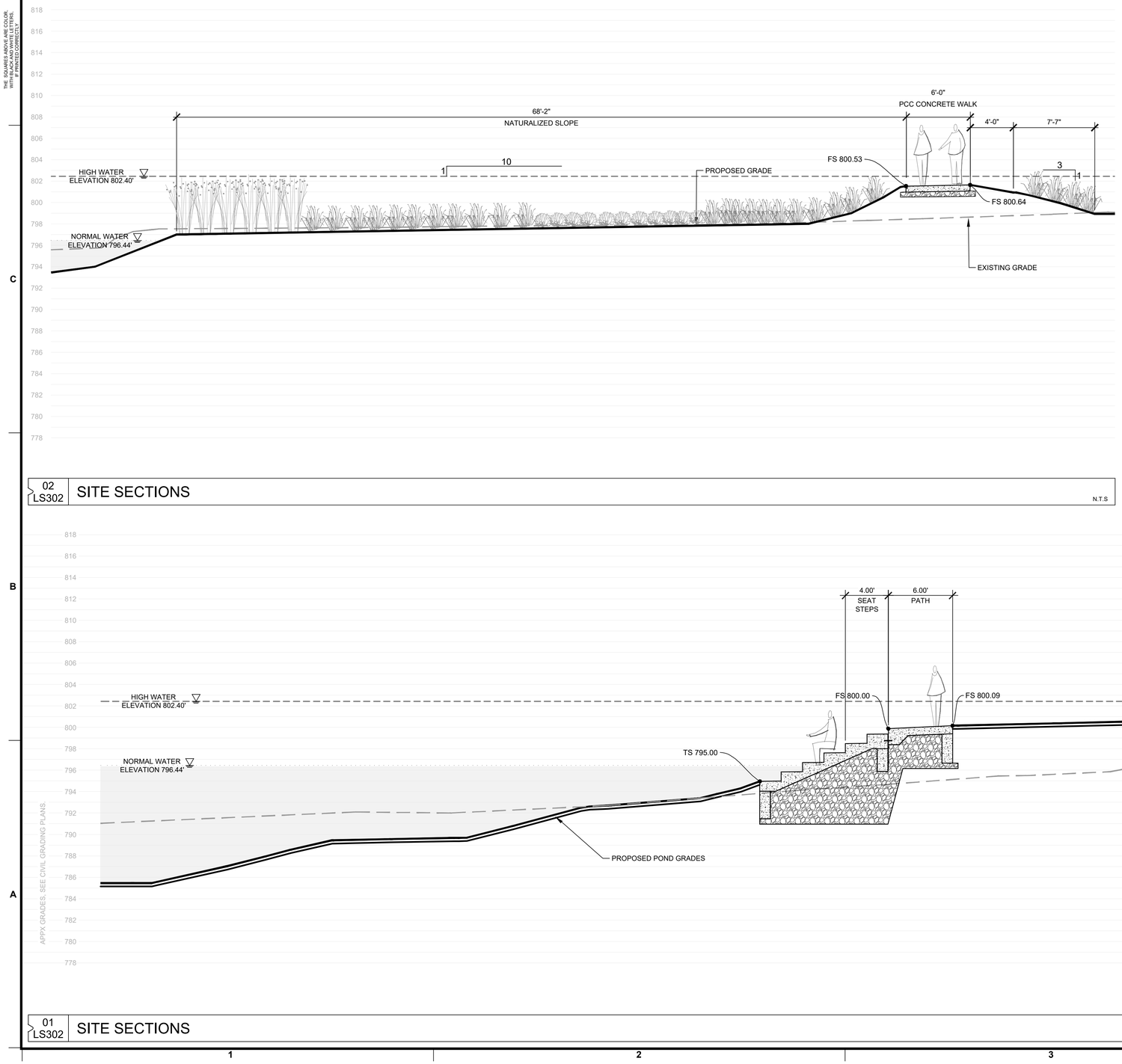
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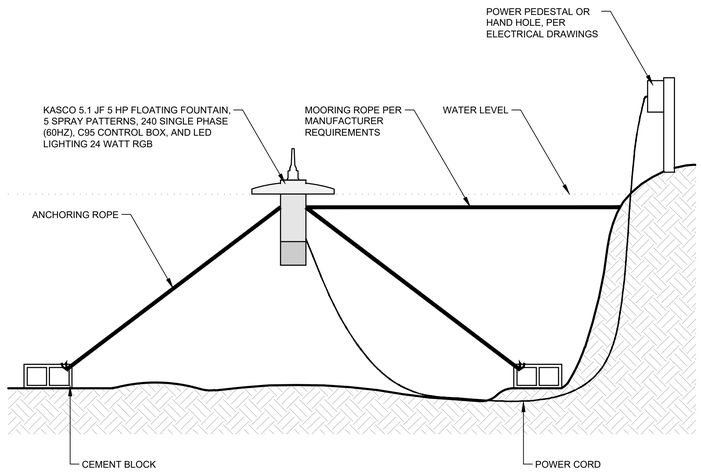
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02 LS302 SITE SECTIONS N.T.S



03 LS302 POND AERATOR, TYP N.T.S

01 LS302 SITE SECTIONS N.T.S

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Revision Schedule

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KOLLAR POND - PHASE 1

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55 E Irving Park Road
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Project Number	24255
Issue	100% CD REVIEW
Date	07/31/2026

SITE SECTIONS

LS302

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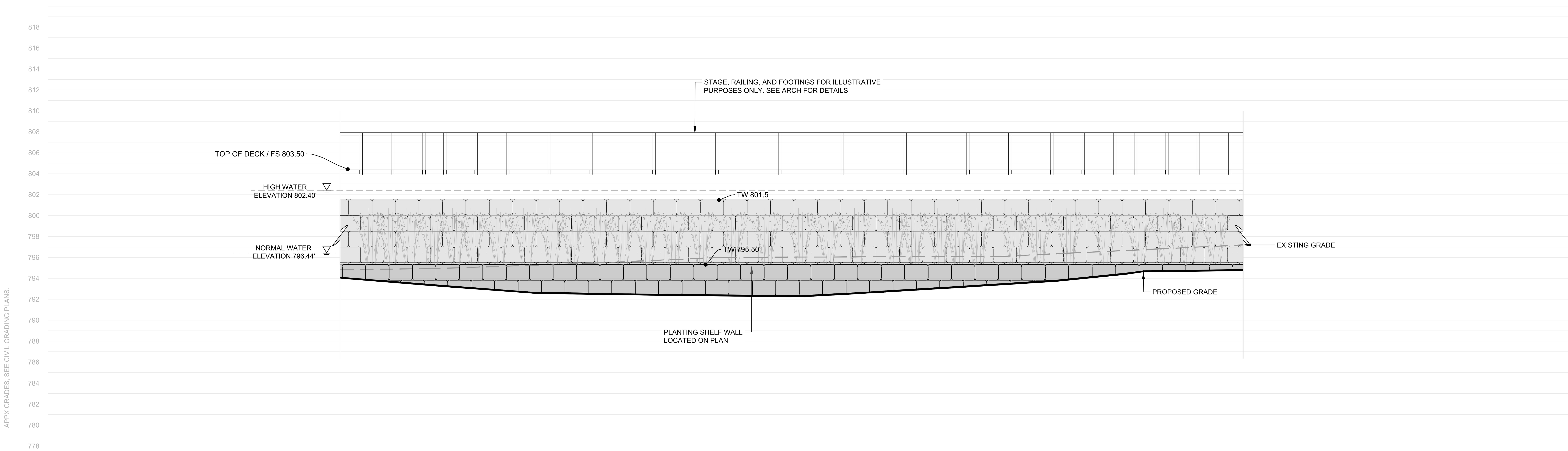
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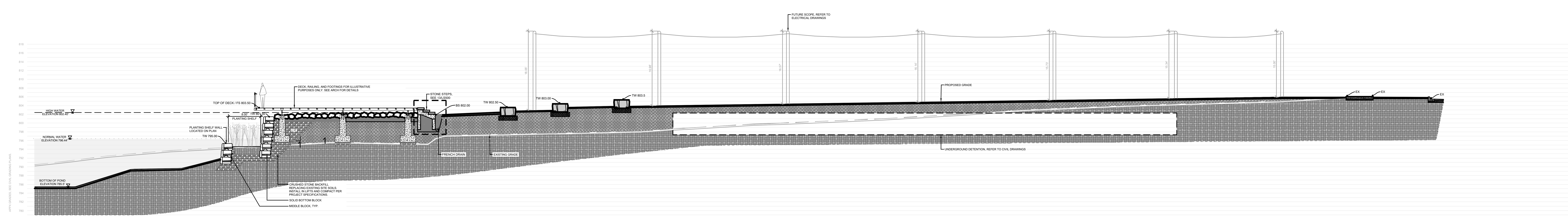
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02 LS303 SITE ELEVATION N.T.S



01 LS303 SITE SECTIONS N.T.S

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Revision Schedule

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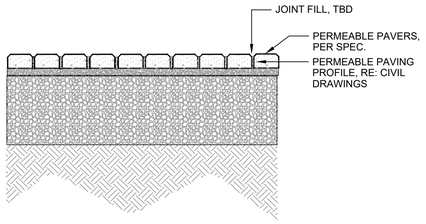
SITE SECTIONS

LS303

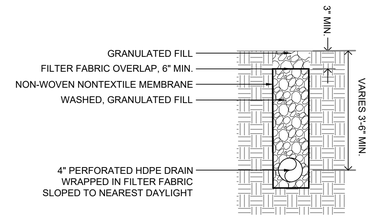
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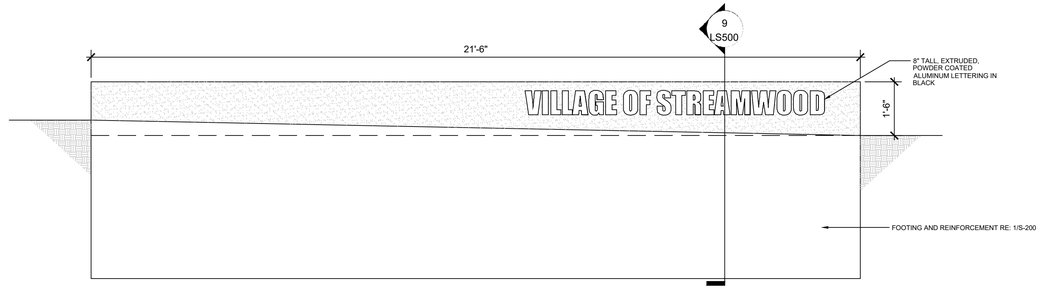
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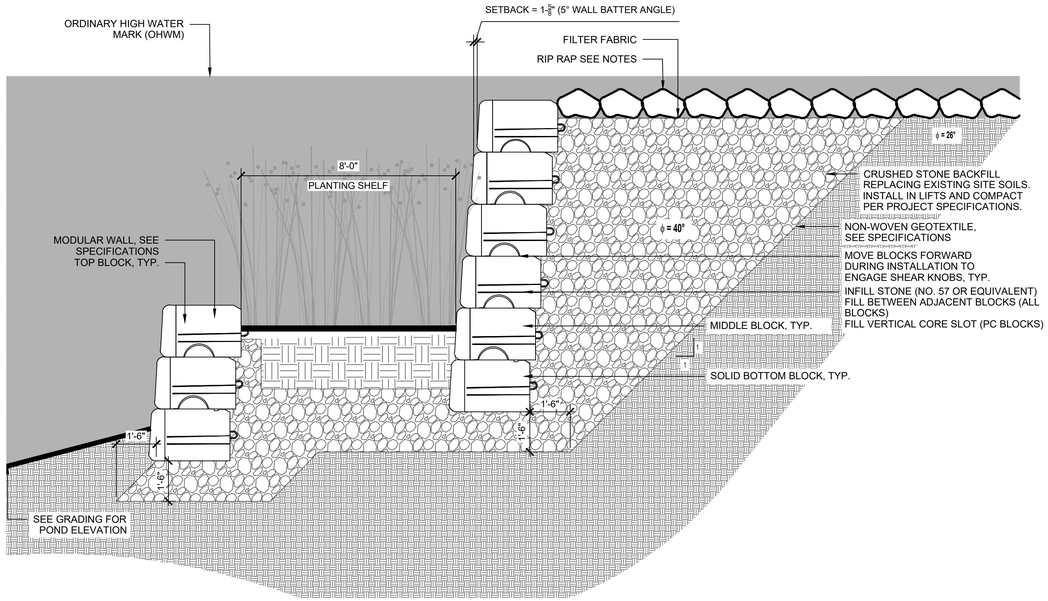
12 LS500 SECTION: PERMEABLE PAVING, TYP. SCALE: 3/4" = 1'-0"



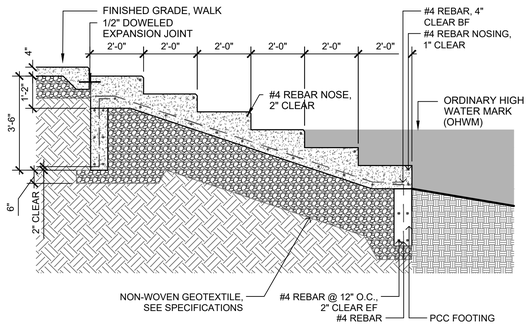
11 LS500 PERFORATED DRAIN, TYP.



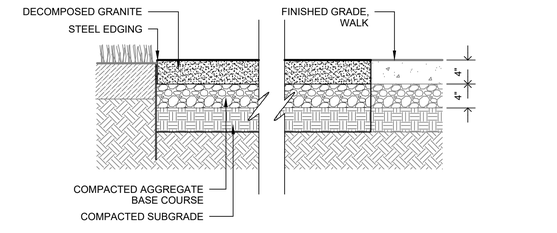
8 LS500 MONUMENT SIGN SCALE: 1/2" = 1'-0"



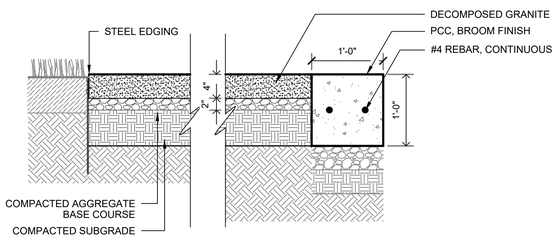
10 LS500 SECTION: UNIT RETAINING WALL, TYP. SCALE: 3/8" = 1'-0"



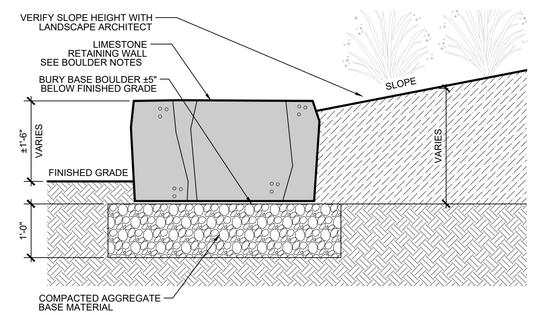
7 LS500 SECTION: CONCRETE STEPS, TYP. SCALE: 3/8" = 1'-0"



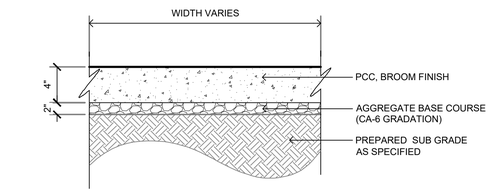
4 LS500 SECTION: STABILIZED DECOMPOSED GRANITE SCALE: 1" = 1'-0"



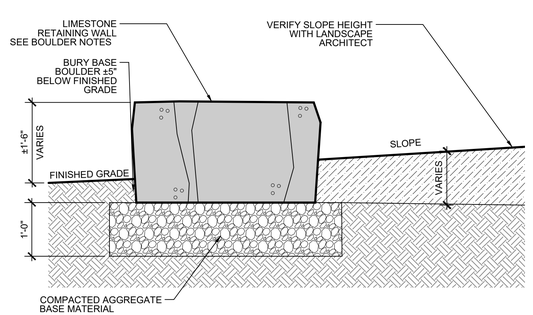
3 LS500 SECTION: PCC 12" WIDTH BAND SCALE: 1" = 1'-0"



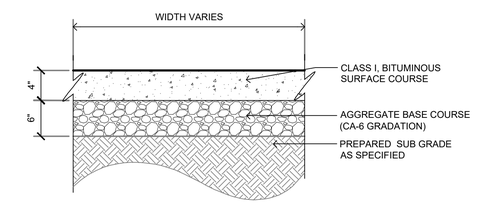
6 LS500 SECTION: BOULDER RETAINING WALL, TYP. SCALE: 3/4" = 1'-0"



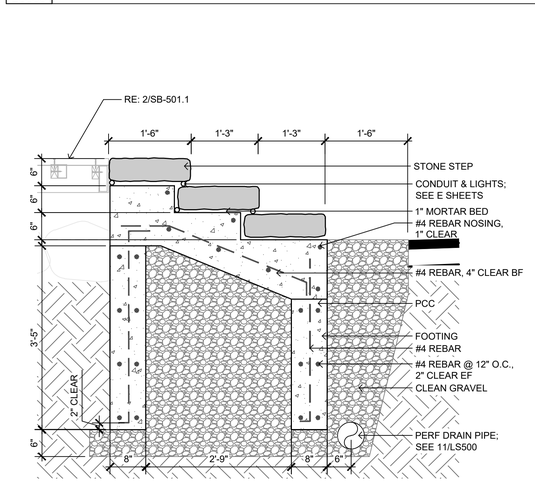
2 LS500 PAVING TYPE 2 - PCC PATH, TYP. SCALE: 1" = 1'-0"



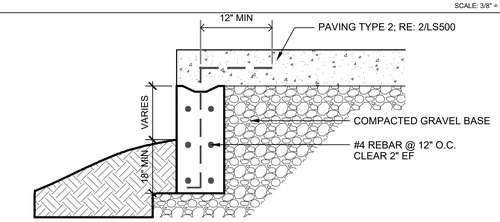
5 LS500 SECTION: BOULDER TERRACE SEATING, TYP. SCALE: 3/4" = 1'-0"



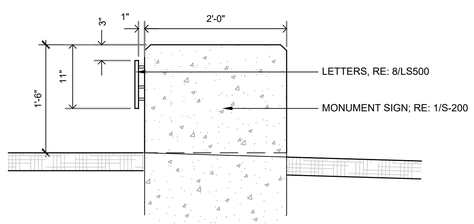
1 LS500 PAVING TYPE 1 - ACC PATH, TYP. SCALE: 1" = 1'-0"



13 LS500 SECTION: STEPS AT DECK, TYP. SCALE: 3/4" = 1'-0"



14 LS500 DEEP EDGE SIDEWALK, TYP N.T.S



9 LS500 SECTION: MONUMENT SIGN SCALE: 1" = 1'-0"

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD REVIEW
Date	07/31/2026

SITE DETAILS

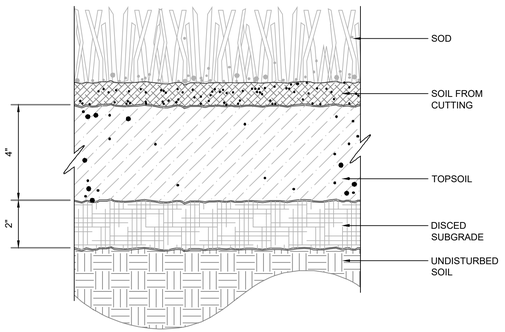
LS500

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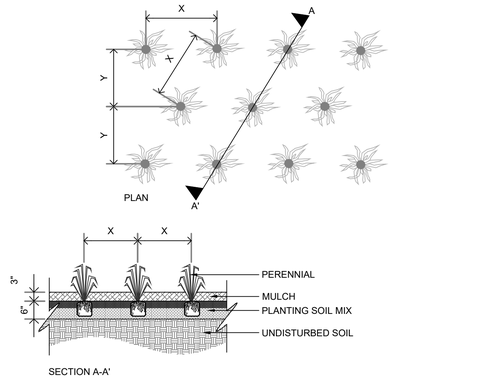
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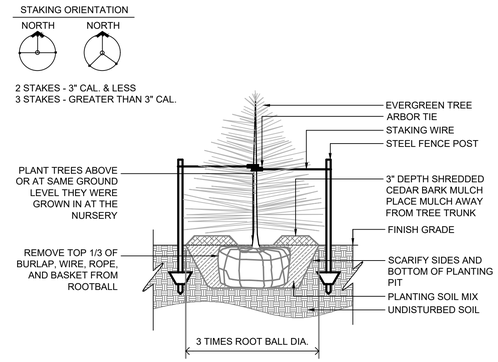


9 LS501 SOD PLANTING, TYP. SCALE: 4" = 1'-0"

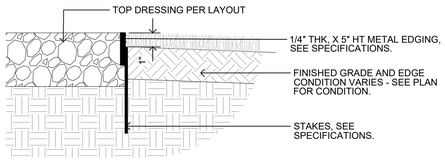


NOTE:
X = DISTANCE SPECIFIED WITHIN PLANT SCHEDULE
Y = DISTANCE 'X' MULTIPLIED BY .866

6 LS501 PLAN/SECTION: PERENNIAL PLANTING, TYP. SCALE: 1/2" = 1'-0"

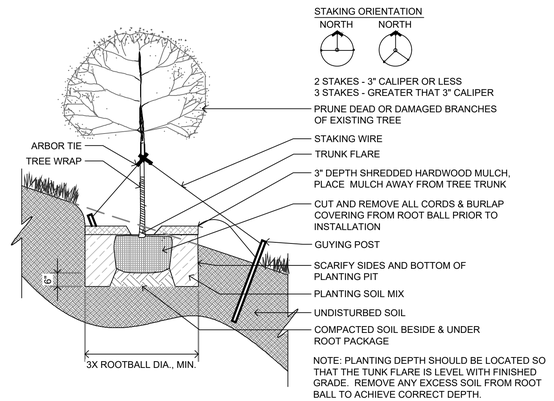


3 LS501 SECTION: TREE PLANTING, TYP. SCALE: 1/2" = 1'-0"

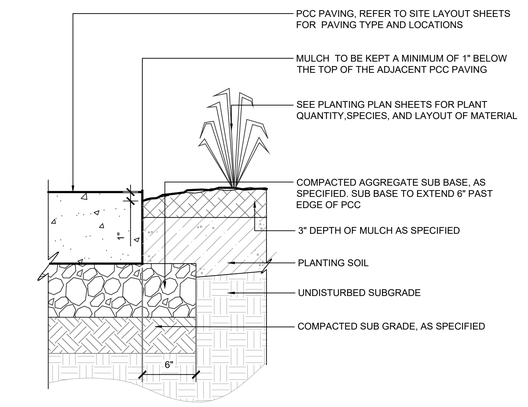


11 LS501 SECTION: STEEL EDGE, TYP. SCALE: 1 1/2" = 1'-0"

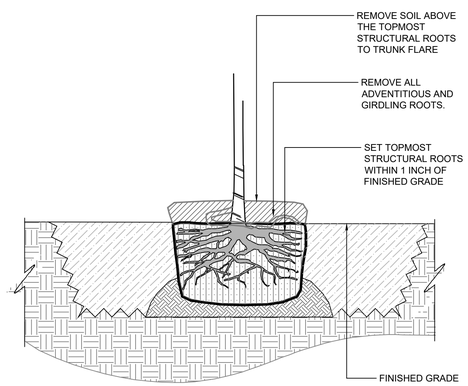
8 LS501 NOT USED SCALE: 1" = 1'-0"



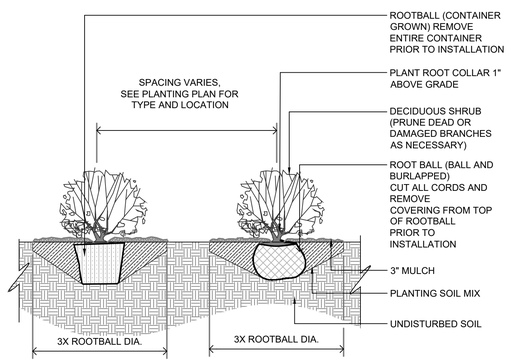
5 LS501 SECTION: TREE PLANTING ON SLOPE, TYP. SCALE: 3/8" = 1'-0"



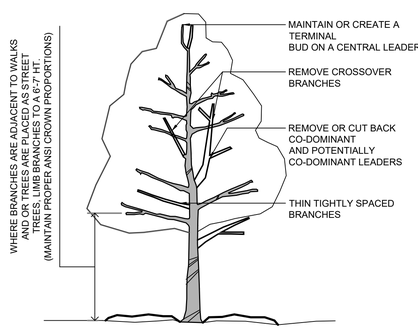
2 LS501 PLAN/SECTION: PERENNIAL PLANTING, TYP. SCALE: 1 1/2" = 1'-0"



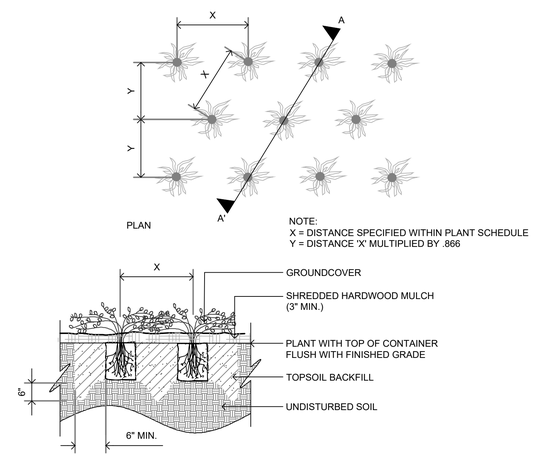
10 LS501 SECTION: ROOTBALL DEPTH SCALE: 1" = 1'-0"



7 LS501 SECTION: SHRUB PLANTING, TYP. SCALE: 3/4" = 1'-0"



4 LS501 EXISTING TREE PRUNING SCALE: 1" = 1'-0"



1 LS501 PLAN/SECTION: GROUNDCOVER PLANTING, TYP SCALE: 1/2" = 1'-0"

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
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Project Number	24255
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PLANTING DETAILS

LS501

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File Location: \\corp.thinkconfluence.com\data\Chicago\Projects\2024\24255_Kollar Pond - Phase 1\24255_WORKINGSAUTOCAD\SHEETS\LS\500 DETAILS / SAVE DATE: 9/3/2026 12:32 PM BY: tvuhlnich / PLOT DATE: 9/3/2026 12:32 PM BY: tvuhlnich

MWRDGC GENERAL NOTES

A. REFERENCED SPECIFICATIONS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
   * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN C ONSTRUCTION;
   * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN I LLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
   * VILLAGE OF STREAMWOOD MUNICIPAL CODE;
   * THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
   * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055 OR SEND EMAIL NOTIFICATION WITH PROJECT NAME, LOCATION AND PERMIT NUMBER TO WMOJOBSTART@MWRD.ORG).

2. THE VILLAGE OF STREAMWOOD ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.

3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.

3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.

4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.

5. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.

6. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

7. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.

8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.

9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.

10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWER

1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.

2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.

3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.

4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).

5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.

6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.

7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE		
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)	ASTM D-3350 ASTM D-3035	ASTM D-3261,F-2620 (HEAT FUSION) ASTM D-3212,F-477 (GASKETED)
WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3139
14-INCH TO 48-INCH	AWWA C905	ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D3212, F-477

8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE ¼ "TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO ¼ THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.

9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.

10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.

11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
    a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SHEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
    b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
    c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.

12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED. SEAL BOTH ENDS OF CASING WITH FLEXIBLE RUBBER CASING END SEALS AND STAINLESS STEEL BANDS.

13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.

14. 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.

15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.

16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.

17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.

18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OCCURS WITHIN 48 HOURS OF THE STORM EVENT.

E. EROSION AND SEDIMENT CONTROL

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.

2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.

3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.

4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
   a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
   b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.

9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.

10. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.

11. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.

12. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).

13. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.

14. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.

15. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.

16. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.

17. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.

18. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.

19. THE CONTRCTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.

20. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.

21. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.

22. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.

23. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

GRADING AND JOINTS NOTES

1. ELEVATIONS SHOWN ON GRADING DRAWINGS ARE FINAL FINISH ELEVATIONS.

2. MINIMUM CROSS SLOPE:
   SIDEWALK AND WALKS: 1% (APPROX. 1/8" PER FOOT)
   DRIVEWAYS: 2% (APPROX. 1/4" PER FOOT)

3. MAXIMUM CROSS SLOPE:
   SIDEWALK AND WALKS: 1/4" PER FOOT = 2%
   DRIVEWAYS: 1/2" PER FOOT = 4%
   LANDSCAPE AREA: 1:3

DRAINAGE CERTIFICATION:

THE PROPOSED PROJECT WILL NOT ALTER OR IMPACT THE EXISTING OVERALL DRAINAGE PATTERNS OF THE PROJECT SITE.

4. THE CONTRACTOR SHALL MEET EXISTING ELEVATIONS WHERE NEW CONSTRUCTION MEETS EXISTING GRADES AND STRUCTURES. A SMOOTH SLOPE TRANSITION IS REQUIRED AND ALL SLOPE REGULATIONS ARE APPLICABLE.

5. PROVIDE SLOPES DOWN AND AWAY FROM ALL BUILDINGS.

6. CONTRACTOR SHALL MAINTAIN OR MATCH THE EXISTING ELEVATIONS INDICATED AS "EX" ON GRADING SHEETS AS FINISH ELEVATIONS.

DEMOLITION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING OF ALL DEMOLITION MATERIAL.

2. MATERIAL TO BE EXCAVATED IS EXPECTED TO BE DISPOSED AS 'CLEAN CONSTRUCTION DEMOLITION DEBRIS (CCDD)' AND CONTRACTOR MAY BASE HIS BID ACCORDINGLY. HOWEVER, CONTRACTOR IS RESPONSIBLE FOR SOIL SAMPLING AND ENVIRONMENTAL ANALYSIS AS REQUIRED TO OBTAIN CERTIFICATION OF UNCONTAMINATED SOIL AND SUITABILITY FOR DISPOSAL AS CCDD.

3. ALL WORK INVOLVING CLEARING, GRUBBING, DEMOLITION, EXCAVATION, AND REMOVAL OF STRUCTURES SHALL CONFORM TO IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTIONS 200 AND 605.

4. CONTRACTOR SHALL CONDUCT SITE DEMOLITION OPERATIONS TO INSURE MINIMUM INTERFERENCE WITH STREETS, WALKS, AND OTHER ADJACENT FACILITIES. CONTRACTOR SHALL NOT CLOSE, OR OBSTRUCT STREETS WALKS, OR OTHER FACILITIES.

5. CONTRACTOR SHALL CAREFULLY INSPECT ANY ADJACENT EXISTING STRUCTURE WITHIN PROPERTY LINE PRIOR TO STARTING WORK. STRUCTURAL INTEGRITY OF THESE STRUCTURES SHALL BE CAREFULLY DOCUMENTED WITH PHOTOGRAPHS SHOWING WIDTH AND LOCATION OF EXISTING CRACKS OR ANY OTHER STRUCTURAL FAILURE. CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PROTECT AGAINST SETTLEMENTS, MOVEMENTS, AND ANY DAMAGE TO ADJACENT STRUCTURES. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE CAUSED TO ADJACENT STRUCTURES DURING CONSTRUCTION OR DEMOLITION. ANY REPAIR OR REPLACEMENTS SHALL BE ENTIRELY AT CONTRACTOR'S EXPENSE.

6. ALL EXISTING STREET LIGHTS, TRAFFIC SIGNALS, FIRE HYDRANTS, TRAFFIC SIGNS, WATER STRUCTURES, SEWER STRUCTURES, AND OTHER ITEMS SHALL REMAIN OPERATIONAL UNLESS NOTED OTHERWISE.

7. CONTRACT INCLUDES ALL DEMOLITION ACTIVITIES THAT MAY BE REQUIRED OR NECESSARY FOR A FULL AND COMPLETE EXECUTION OF WORK, WHETHER SPECIFICALLY REFERRED TO HEREIN OR NOT.

8. WHEN REMOVING PAVEMENT, CURBS, OR ANY OTHER STRUCTURES, THE USE OF ANY CONCRETE BREAKERS WHICH MAY DAMAGE UNDERGROUND PUBLIC OR PRIVATE UTILITIES SHALL NOT BE PERMITTED.

9. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES THAT MAY INTERFERE WITH DEMOLITION OPERATIONS AND SHALL REPORT TO THE ENGINEER/ARCHITECT ANY OMISSIONS, DIFFERENCES, OR CONFLICTS AS SHOWN ON THE DRAWINGS FROM THE PROPOSED WORK.

10. BURNING AND EXPLOSIVES ARE NOT PERMITTED ON THE PROPERTY.

11. TREES TO REMAIN SHALL BE PROTECTED DURING DEMOLITION AND CONSTRUCTION WITH 2"x4" POSTS AND PLASTIC CONSTRUCTION FENCE PLACED AND MAINTAINED AT THE DRIP LINE FOR THE DURATION OF CONSTRUCTION. CONTRACTOR SHALL EXERCISE CARE WHEN EXCAVATING AND COMPACTING MATERIALS WITHIN 5 FEET OF THE TREE TRUNK OR UNDER ANY PART OF TREE. CONTRACTOR SHALL NOT PARK OR DRIVE VEHICLES, OR PLACE OR STORE MATERIALS UNDER THE DRIP LINE OF ANY TREE. CONTRACTOR SHALL REPLACE TREES DAMAGED OR DESTROYED DURING CONSTRUCTION AT HIS/HER OWN EXPENSE FOLLOWING THE REPLACEMENT GUIDELINES SET BY THE OWNER.

12. THE CONTRACTOR SHALL REMOVE FROM THE SITE ANY AND ALL FOREIGN OBJECTS FOUND IN EXCAVATED MATERIAL. THE CONTRACTOR SHALL NOT USE ANY FOREIGN OBJECTS AS MATERIAL FOR BACKFILLING.

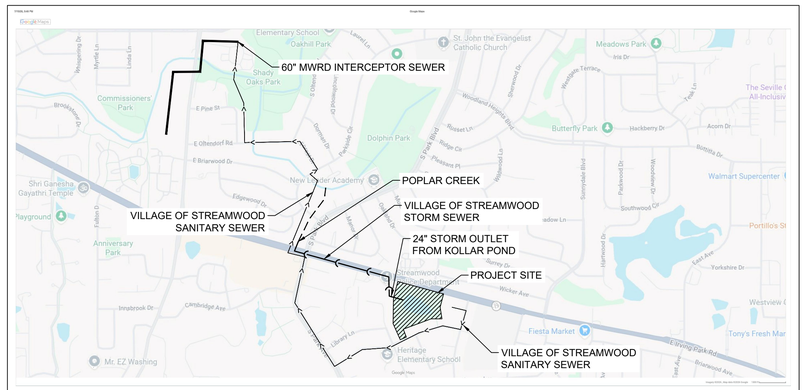
Contact the Metropolitan Water Reclamation District of Greater Chicago 2 days before starting work.

P (708) 588-4055
E WMOJobStart@mwrd.org

Call Before You Dig JULIE ILLINOIS ONE-CALL SYSTEM 811

BENCHMARK

1. CROSS CUT ON THE NORTH SIDE OF A TELCO MANHOLE RIM (WESTERLY MANHOLE OF TWO) RIM LOCATED ON THE SOUTH SIDE OF IRVING PARK ROAD, WEST OF VINE STREET OF THE NORTH.
   ELEVATION = 807.36' (NAVD88)



MWRD ROUTING MAP

CONFLUENCE

LANDSCAPE ARCHITECT
CONFLUENCE, INC
307 N Michigan Avenue #601
Chicago, IL 60601
312.663.5494
www.thinkconfluence.com

CIVIL ENGINEER
STRUCTURAL ENGINEER
ELECTRICAL ENGINEER
PRIMERA
550 W JACKSON BLVD #600
CHICAGO, IL 60661
(312) 606-0910

PAVILION ARCHITECT & STRUCTURAL ENGINEER
GANNETT FLEMING, INC
700 N SANGAMON ST
CHICAGO, IL 60642
(312) 432-4180

Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

CIVIL GENERAL NOTES & MWRD ROUTING MAP

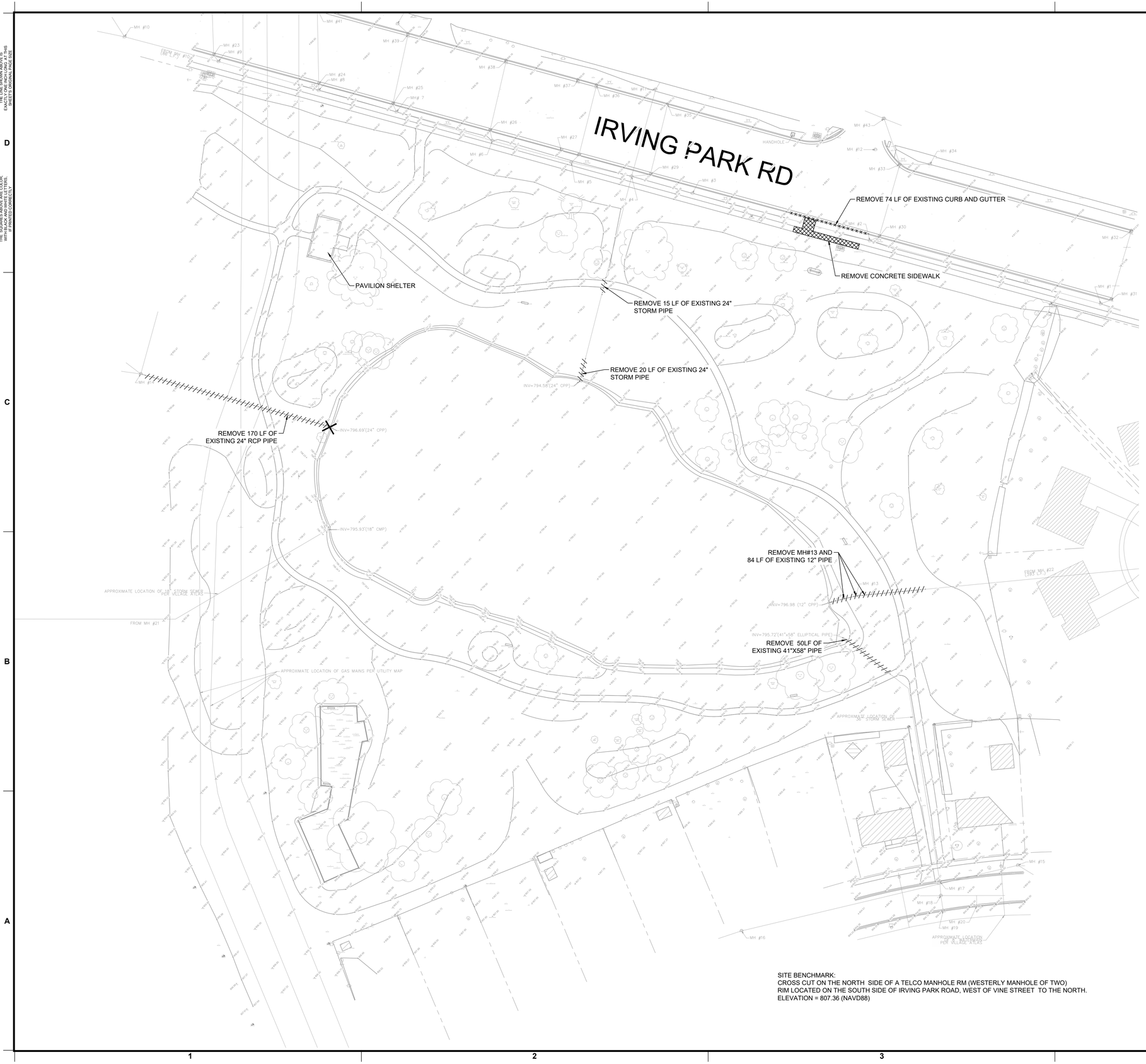
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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS ORIGINAL DRAWING SCALE

THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE LETTERS. CORRECTLY PRINTED

File Location: P:\2024\20240781.00\Drawings\Current Drawing Files\CADD Sheets\C001 - Civil General Notes / SAVE DATE: 9/1/2026 6:20 PM BY: jkoc / PLOT DATE: 9/2/2026 4:10 PM BY: Paul Koc



LEGEND

- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING FENCE
- EXISTING MANHOLE
- PROPERTY LINE
- REMOVE EXISTING UTILITY LINE, CAP AT PROPERTY LINE OR AS SHOWN ON DRAWING
- CURB, GUTTER, RETAINING WALL OR FENCE TO BE REMOVED
- ITEM TO BE REMOVED
- REMOVE CONCRETE PAVING AND SUB-BASE MATERIAL

NOTES:

1. SEE LANDSCAPE DRAWINGS FOR REMOVAL OF ALL ABOVE GROUND INFRASTRUCTURE/ITEMS SUCH AS TRESS/ EXISTING PATH REMOVAL, BUILDING REMOVAL ETC.
2. EXISTING UTILITIES AND CONDITIONS ARE PROVIDED FOR INFORMATION ONLY. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES THAT MAY INTERFERE WITH CONSTRUCTION OPERATIONS AND MUST REPORT TO THE ARCHITECT/ENGINEER ANY OMISSIONS AND DIFFERENCES FROM THE LOCATIONS SHOWN ON PLANS.

SITE BENCHMARK:
CROSS CUT ON THE NORTH SIDE OF A TELCO MANHOLE RM (WESTERLY MANHOLE OF TWO)
RIM LOCATED ON THE SOUTH SIDE OF IRVING PARK ROAD, WEST OF VINE STREET TO THE NORTH.
ELEVATION = 807.36 (NAVD88)

NORTH

0' 20' 40' 120'
SCALE: 1" = 40'

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEET'S ORIGINAL PLOT SIZE

THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE LETTERS. PRINTED CORRECTLY.

File Location: P:\2024\20240781.00\Drawings\Current Drawing Files\CADD Sheets\C100 - Existing Conditions Plan / SAVE DATE: 9/2/2026 3:33 PM BY: jvkoc / PLOT DATE: 9/2/2026 4:11 PM BY: Paul Koc

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

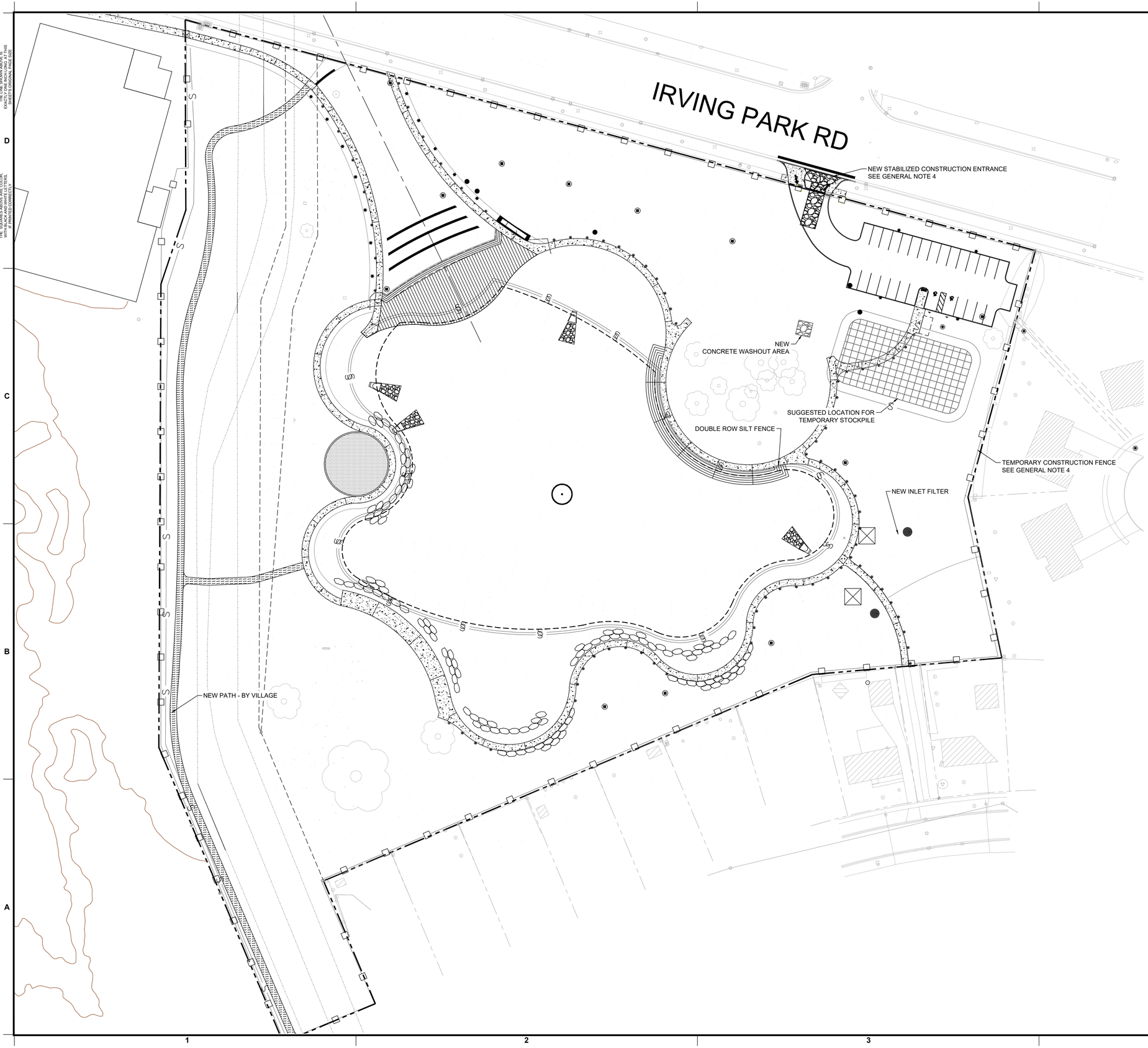
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

EXISTING CONDITIONS PLAN

C100

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LEGEND:

- CONSTRUCTION LIMITS
- NEW SILT FENCE
- TEMPORARY CONSTRUCTION FENCE
- NEW INLET FILTER
- NEW STORM CATCH BASIN
- NEW CLEANOUT
- NEW SANITARY MANHOLE

GENERAL NOTES:

1. ALL EROSION PROTECTION MUST BE MAINTAINED AND ROUTINELY CLEANED DURING DEMOLITION AND CONSTRUCTION.
2. EROSION CONTROL BLANKET TO BE PLACED IMMEDIATELY AFTER EXCAVATION/CONSTRUCTION OF THE DETENTION BASIN AND LAWN AREAS.
3. STABILIZE ALL DISTURBED GROUND AREAS WHERE SLOPES EXCEED 6:1 WITH EROSION CONTROL BLANKET.
4. TEMPORARY CONSTRUCTION FENCE MUST AND TEMPORARY CONSTRUCTION ENTRANCE BE MAINTAINED THRU THE DURATION OF THE PROJECT. DAMAGED TEMPORARY CONSTRUCTION FENCE MUST BE REPAIRED AS SOON AS DAMAGE IS DISCOVERED.

SEQUENCING NOTES:

1. INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS PRIOR TO START OF EARTHWORK.
2. DEWATER THE EXISTING POND AS NECESSARY AND INSTALL TEMPORARY SEDIMENT CONTROL MEASURES TO PREVENT TURBID WATER FROM LEAVING THE SITE.
3. EXCAVATE AND RECONSTRUCT THE POND IN ACCORDANCE WITH THE PLANS.
4. PLACE AND COMPACT FILL MATERIALS IN ACCORDANCE WITH PROJECT SPECIFICATIONS. UNSUITABLE SOILS ENCOUNTERED DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED AS DIRECTED BY ENGINEER.
5. STABILIZE DISTURBED SLOPES AND SHORELINE AREAS AS GRADING PROGRESSES.
6. INSTALL PERMANENT STORMWATER MANAGEMENT AND OUTLET CONTROL STRUCTURES.
7. COMPLETE FINAL GRADING AND PLACE TOPSOIL, SEED, EROSION CONTROL BLANKET, AND OTHER STABILIZATION MEASURES AS SPECIFIED.
8. MAINTAIN ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
9. REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AFTER ACHIEVING FINAL STABILIZATION AND APPROVAL BY THE ENGINEER.

NORTH

0' 20' 40' 120'
SCALE: 1" = 40'

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

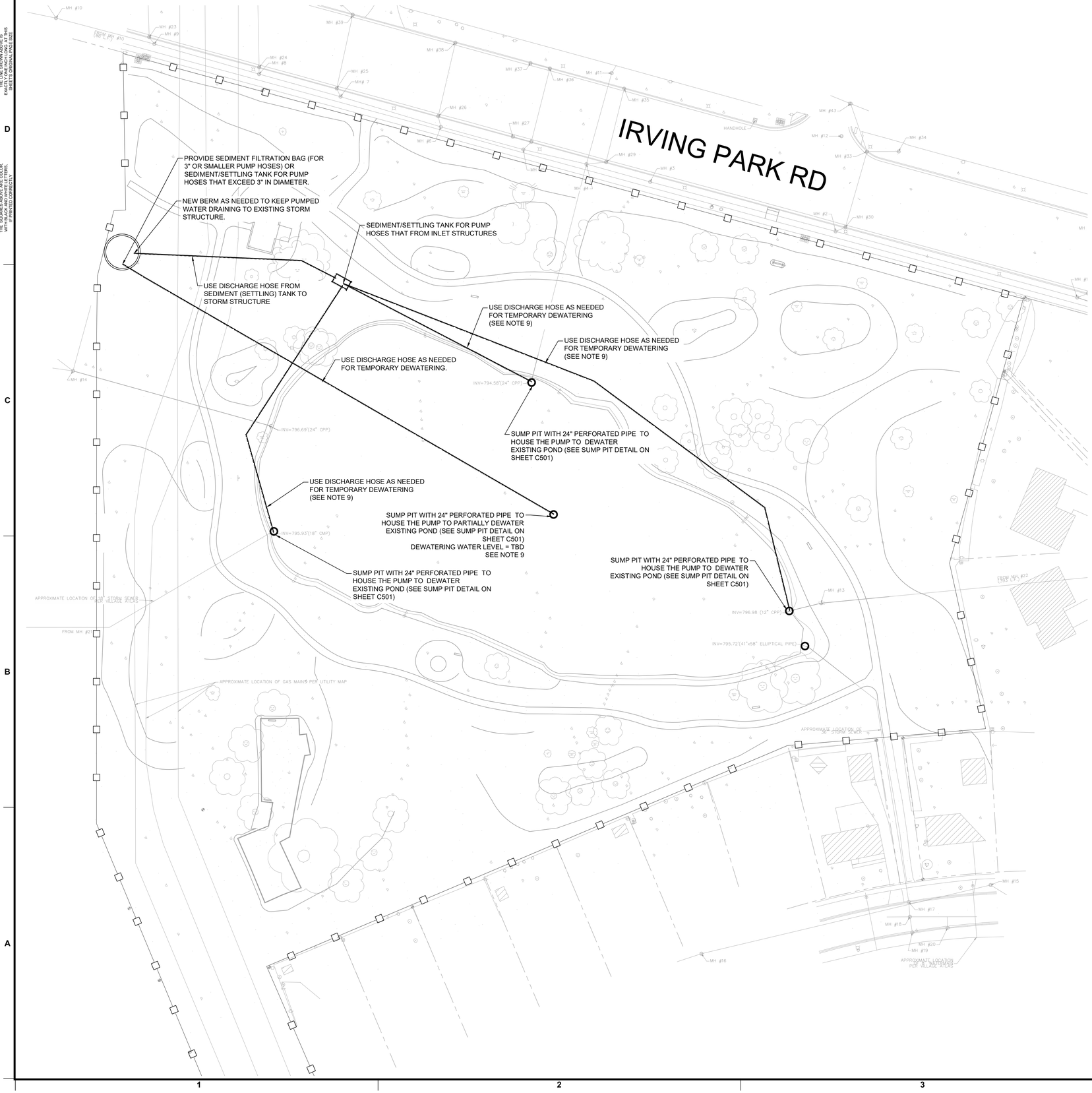
Project Number	24255
Issue	100% CD SET
Date	07/31/2026

EROSION AND SEDIMENT CONTROL PLAN

C200

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LEGEND:

- CONSTRUCTION LIMITS
- NEW CONSTRUCTION FENCE
- NEW TEMPORARY DISCHARGE PIPE FOR PRIMARY DEWATERING
- NEW TEMPORARY DISCHARGE PIPE FOR PRIMARY DEWATERING

USACE NOTES:

1. WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW THE NORMAL WATER ELEVATION.
2. THE PLAN WILL BE DESIGNED TO ALLOW FOR THE CONVEYANCE OF THE 2-YEAR PEAK FLOW PAST THE WORK AREA WITHOUT OVERTOPPING THE COFFERDAM. THE CORPS HAS THE DISCRETIONS TO REDUCE THIS REQUIREMENT IF DOCUMENTED BY THE APPLICANT TO BE INFEASIBLE OR UNNECESSARY.
3. WATER SHALL BE ISOLATED FROM THE IN-STREAM WORK AREA USING A COFFERDAM CONSTRUCTED OF NON-ERODIBLE MATERIAL (STEEL SHEETS, AQUA BARRIERS, RIP RAP AND GEOTEXTILE LINER, ETC.) EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.
4. THE COFFERDAM MUST BE CONSTRCUTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER FLOWING WATER AT ANY TIME. IF THE INSTALLATION OF THE COFFERDAM CONNOT BE COMPLETED FROM SHORE AND ACCESS IN NEEDED TO REACH THE AREA TO BE COFFERED, OTHER MEASURES, SUCH AS THE CONSTRUCTION OF A CAUSEWAY, WILL BE NECESSARY TO ENSURE THAT EQUIPMENT DOES NOT ENTER THE WATER, ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.
5. IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION. FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT-LADEN AS A RESULT OF THE CURRENT CONSTRUCTION ACTIVITIES.
6. DURING DEWATERING OF THE COFFERED WORK AREA, ALL SEDIMENT-LADEN WATER MUST BE FLTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMERS SYSTEMS, DETARING BAGS, OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING RE-INTRODUCED TO THE DOWNSTREAM WATERWAY. A STABILIZED CONVEYANCE FROM THE DEWATERING DEVICE TO THE WATERWAY MUST BE IDENTIFIED IN THE PLAN. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.
7. THE AREA FROM THE TOE TO THE TOP OF THE SIDE SLOPE SHALL BE TEMPORARILY STABILIZED DURING CONSTRUCTION TO REDUCE THE POTENTIAL FOR EROSION. ALL AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PROPOSED CONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.
8. THE POND DREDGING WILL OCCUR USING SOLELY A ONE STEP EXCAVATION PROCESS.
9. THE EXCAVATOR WILL NEED TO UTILIZE BUCKETED EQUIPMENT AND TIMBER MATS AS WE ANTICIPATE THAT EVEN IF THE POND IS DEWATERED AND/OR A COFFERED DAM IS INSTALLED THAT THE SEDIMENTS WILL BE TOO SOFT AND NOT CONDUCIVE TO SUPPORTING EQUIPMENT.
10. TIMBER MATS WILL NEED TO BE USED.
11. NO EXCAVATED MATERIAL FROM THE EXISTING POND/WETLAND WILL BE SIDE CASTED TO ANOTHER LOCATION WITHIN THE EXISTING POND/WETLAND.
12. THE EXCAVATED MATERIAL WILL BE REMOVED FROM THE EXISTING POND/WETLAND WITH BUCKETS AND THEN MOVED TO EXISTING UPLANDS AND/OR TO NEWLY CREATED POND/WETLAND EXPANSION AREAS.

GENERAL NOTES:

1. ALL SILT FENCE SHALL BE INSTALLED PRIOR TO DEWATERING ACTIVITIES.
2. CONTRACTOR TO ENSURE ALL DEWATERING ACTIVITIES/REQUIREMENTS ARE INCLUDED IN THE BASE BID PRICING.
3. INSTALL TEMPORARY DEWATERING SUMP PIT IN PUMP WELL WITH CRUSHED STONE TO DEPTH NECESSARY TO LOWER NORMAL WATER LEVEL AT LEAST 1 FOOT BELOW BOTTOM OF EXCAVATION.
4. THE DEWATERING PUMP WILL BE LOCATED AT THE APPROXIMATE LOCATION ON THE SITE AS SHOWN ON THE DEWATERING PLAN, BUT MAY BE ADJUSTED TO OTHER POSITIONS TO BETTER ACCOMMODATE DEWATERING ACTIVITIES.
5. USE FILTERED SUBMERSIBLE PUMP(S) TO CONTROL AND REMOVE WATER AS REQUIRED. DISCHARGE FROM DEWATERING PUMPS SHALL BE SCREENED THROUGH SEDIMENT SACK FILTERS AS REQUIRED TO PRODUCE ACCEPTABLE DISCHARGE QUALITY. SEDIMENT FILTRATION BAGS SHALL BE RAISED ABOVE THE SUPPORTING GROUND ON A SURFACE, OR MATERIAL, THAT ALLOWS WATER TO FLOW OUT OF THE BOTTOM OF THE BAG AT THE RESPECTIVE DESIGN DISCHARGE RATE FOR THE SEDIMENT FILTER BAG SELECTED.
6. MATERIALS, STRUCTURES THAT ARE USED TO ENSURE THAT WATER FLOWS OUT OF THE BOTTOM OF A SEDIMENT FILTER BAG MUST BE NON-ERODIBLE AND BE PLACED ATOP A STABILIZED SURFACE AREA.
7. THE SEQUENCING OF THE DEWATERING OPERATIONS SHALL BE DETERMINED BY THE CONTRACTOR BASED ON THE PROPOSED CONSTRUCTION SCHEDULE.
8. THE CONTRACTOR SHALL ENSURE THAT THE VOLUME/VELOCITY OF THE EFFLUENT DISCHARGE DOES NOT CAUSE EROSION AT THE OUTLET.
9. AFTER POND HAS BEEN DEWATERED, CONTRACTOR TO PROVIDE SUMP PITS AT ALL INLET LOCATIONS TO THE DETENTION POND, AND PUMP WATER DURING MINOR STORM EVENTS.
10. CONTRACTOR TO CHOOSE BEST DEWATERING METHODS THAT COMPLY WITH ARMY CORPS OF ENGINEERS PERMIT AND ALL ILLINOIS URBAN MANUAL STANDARDS AND REQUIREMENTS.
11. THIS IS SUGGESTED PHASING AND DEWATERING PLAN. CONTRACTOR TO DEVELOP DETAILED PHASING AND DEWATERING PLAN AND SUBMIT FOR OWNER AND ENGINEER REVIEW AND APPROVAL.

NORTH

0' 20' 40' 120'

SCALE: 1" = 40'

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

SUGGESTED PHASING/ DEWATERING PLAN

C300

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STREAMWOOD POLICE DEPARTMENT

IRVING PARK RD

NEW DEPRESSED CURB AND GUTTER
NEW CONCRETE DRIVEWAY
NEW 6" BARRIER CURB
NEW 6" BARRIER CURB
NEW B-6.12 CURB AND GUTTER
14.0'
NEW LIGHTPOLE (TYP.) (SEE LIGHTING AND STRUCTURAL FOR DETAILS)
798.25
THICKENED CONCRETE SIDEWALK (SEE LANDSCAPE DRAWINGS)
THICKENED CONCRETE SIDEWALK (SEE LANDSCAPE DRAWINGS)
NEW 4" YELLOW PAINT PAVEMENT MARKING LINE
FUTURE RESTROOM BUILDING
NEW PERMEABLE PAVERS
NEW ADA PAINT STRIPING SYMBOL
NEW ADA PARKING SIGN
NEW SHORELINE
NEW DECK STAGE (SEE LANDSCAPE AND ARCH DRAWINGS)
STABILIZED DECOMPOSED GRANITE (SEE LANDSCAPE DRAWINGS)
BOULDER RETAINING WALLS (SEE LANDSCAPE DRAWINGS)
NEW CONCRETE STAIRS (SEE LANDSCAPE DRAWINGS)
NEW CONCRETE PATH (SEE LANDSCAPE DRAWINGS)
HWL LINE ELEV = 802.55
PROPOSED
NWL = 796.44
APPROXIMATE PROPERTY LINE

LEGEND

- P/L — PROPERTY LINE
- NEW PERMEABLE PAVERS
- NEW CONCRETE PAVEMENT
- NEW STAGE AREA

NORTH

0' 20' 40' 120'
SCALE: 1" = 40'

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

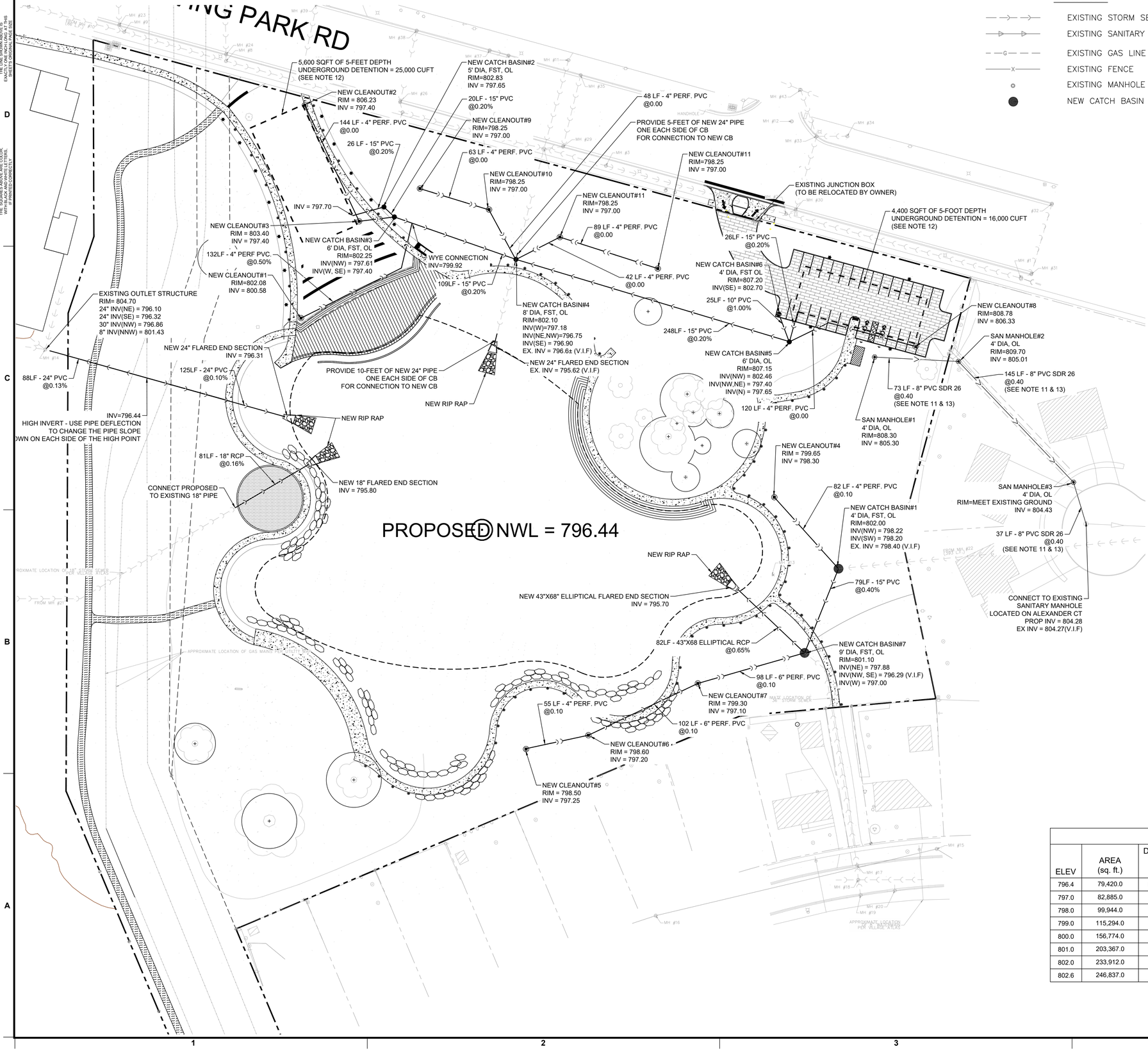
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

GEOMETRY PLAN

C400

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LEGEND

EXISTING STORM SEWER	NEW STORM SEWER
EXISTING SANITARY SEWER	NEW STORM UNDERDRAIN
EXISTING GAS LINE	NEW CLEANOUT
EXISTING FENCE	FST — FLAT TOP SLAB
EXISTING MANHOLE	OL — OPEN LID
NEW CATCH BASIN	FLARED END SECTION
	NEW SANITARY MANHOLE
	NEW SANITARY SEWER

GENERAL NOTES:

1. PRIOR TO BEGINNING WORK, CONTRACTOR MUST CLEAN AND TELEVISE ALL EXISTING STORM SEWERS FROM PROPOSED POINT OF CONNECTION DOWN TO THE POND TO ENSURE THAT EXISTING SEWER IS IN ACCEPTABLE CONDITION FOR RE–USE. CLEANING AND TELEVISING MUST BE PERFORMED IN THE PRESENCE OF OWNER, A/E AND MWRD INSPECTOR, WITH MINIMUM 48–HOURS ADVANCE WRITTEN NOTICE, UNLESS WAIVED BY OWNER, A/E, AND MWRD INSPECTOR. A COPY OF VIDEO RECORDING OF SEWER TELEVISING MUST BE MADE AVAILABLE TO OWNER FOR RECORD PURPOSED IMMEDIATELY AFTER COMPLETION OF THE TELEVISING. ALL TELEVISING AND RECORDING SHALL BE IN ACCORDANCE THE REQUIREMENTS OF THE SEWER AUTHORITY.
2. ALL PVC PIPE MUST BE MINIMUM SDR 26. STORM AND/OR SANITARY SEWER PIPE MUST BE WATER MAIN QUALITY WHERE IT CROSSES NEW OR EXISTING WATER MAIN.
3. ALL STORM AND SANITARY SEWER PIPES CROSSING EXISTING OR PROPOSED WATER MAINS AND/OR WATER SERVICES MUST BE WATER MAIN QUALITY PIPE EXTENDING AT LEAST 10–FEET ON EACH SIDE OF THE WATER MAIN/SERVICE (MEASURED PERPENDICULAR TO THE WATER PIPE).
6. ALL EXISTING RIM ELEVATIONS MUST BE ADJUSTED TO MATCH PROPOSED GRADES.
7. CONNECT NEW LANDSCAPE UNDERDRAIN TO PROPOSED CATCH BASINS. LANDSCAPE UNDERDRAIN ROUTING IS SHOWN FOR REFERENCE ONLY, SEE LANDSCAPE DRAWINGS FOR ROUTING AND DEPTH. ALL LANDSCAPE UNDERDRAIN PIPING MUST GO AROUND ANY NEW IMPROVEMENTS SUCH AS CATCH BASINS, LIGHT POLES ETC.
8. LOCATIONS SHOWN OF EXISTING UTILITIES ARE BASED ON AVAILABLE RECORD DRAWINGS AND ARE NOT GUARANTEED TO BE ACCURATE OR COMPREHENSIVE. FIELD VERIFY PRESENCE AND LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATING.
9. CONTRACTOR MUST FIELD VERIFY INVERT ELEVATIONS OF ALL EXISTING STORM SEWERS AT THE CONNECTION POINT PRIOR TO INSTALLATION OF NEW STORM STRUCTURES.
10. USE EXTREME CAUTION WHEN WORKING IN VICINITY OF EXISTING GAS MAIN LOCATED WITHIN THE EXISTING EASEMENT.
11. ANY REMOVAL AND RESTORATION REQUIRED FOR NEW SANITARY SEWER CONSTRUCTION, SUCH US EXCAVATION, SPOIL REMOVAL, TREE PRUNING, FENCE AND HARDSCAPE REMOVAL AND REINSTALLATION SHALL BE INCLUDED IN THE COST OF SANITARY SEWER INSTALLATION
12. SEE PROJECT SPECIFICATIONS FOR APPROVED TYPE AND MANUFACTURER OF UNDERGROUND DETENTION SYSTEM.
13. PROVIDE PVC SANITARY SEWER PIPE CONFORMING TO ASTM D3034, SDR 26, WITH GASKET JOINTS CONFORMING TO ASTM D3212

STAGE STORAGE TABLE

ELEV	AREA (sq. ft.)	DEPTH (ft)	AVG END INC. VOL. (cu. ft.)	AVG END TOTAL VOL. (cu. ft.)	CONIC INC. VOL. (cu. ft.)	CONIC TOTAL VOL. (cu. ft.)
796.4	79,420.0	N/A	N/A	0	N/A	0
797.0	82,885.0	1	48692	48692	48688	48688
798.0	99,944.0	1	91415	140106	91282	139969
799.0	115,294.0	1	107619	247725	107528	247497
800.0	156,774.0	1	136034	383759	135504	383001
801.0	203,367.0	1	180071	563830	179566	562567
802.0	233,912.0	1	218640	782469	218461	781028
802.6	246,837.0	1	144225	926694	144207	925236

NORTH

0' 20' 40' 120'

SCALE: 1" = 40'

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

UTILITY PLAN

C500

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LEGEND

(12.0)	EXISTING SPOT ELEVATION
→	SURFACE FLOW DIRECTION
ME	MEET EXISTING ELEVATION
12.00	PAVEMENT OR GROUND SURFACE ELEVATION
12.50 / 12.00	TOP ELEVATION / BOTTOM ELEVATION
T/C / E/P	TOP OF CURB / EDGE OF PAVEMENT
SW	SIDEWALK
○	EXISTING MANHOLE
●	NEW CATCH BASIN
◉	NEW CLEANOUT
◁	FLARED END SECTION

GENERAL NOTES:

1. ALL EXISTING RIM ELEVATIONS LOCATED WITHIN PROJECT LIMITS MUST BE ADJUSTED TO MEET PROPOSED GRADE.

NORTH

0' 20' 40' 120'
SCALE: 1" = 40'

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Revision Schedule

No.	Date	Description

VILLAGE OF STREAMWOOD EST. 1957

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

GRADING PLAN

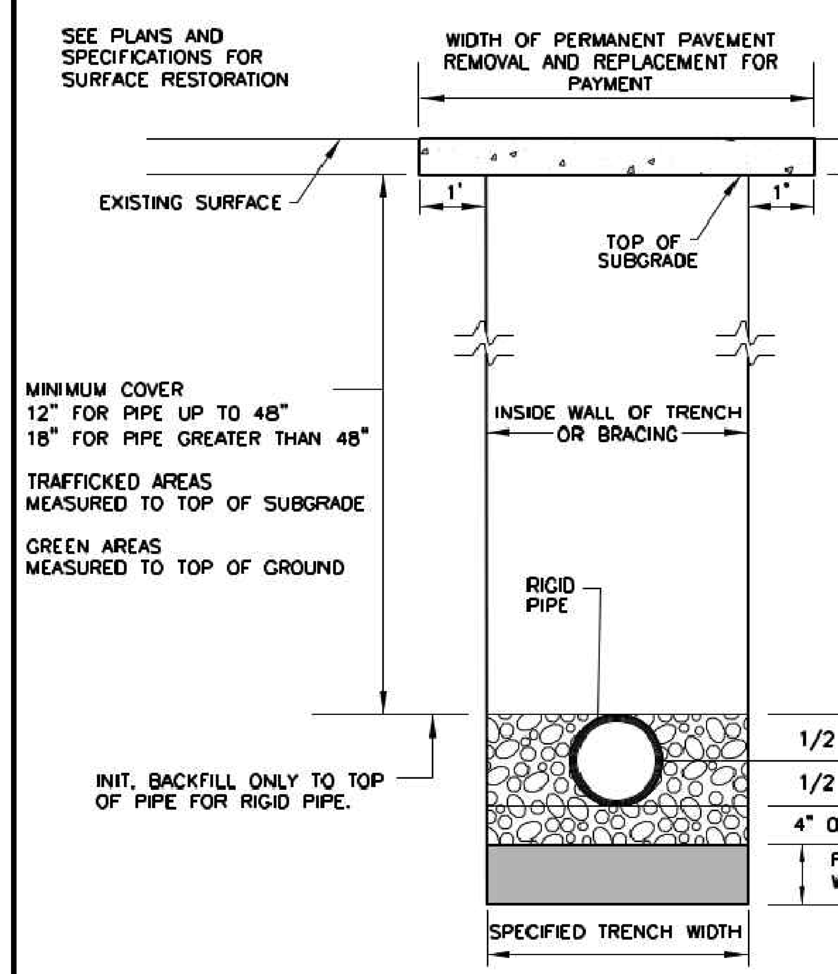
C600

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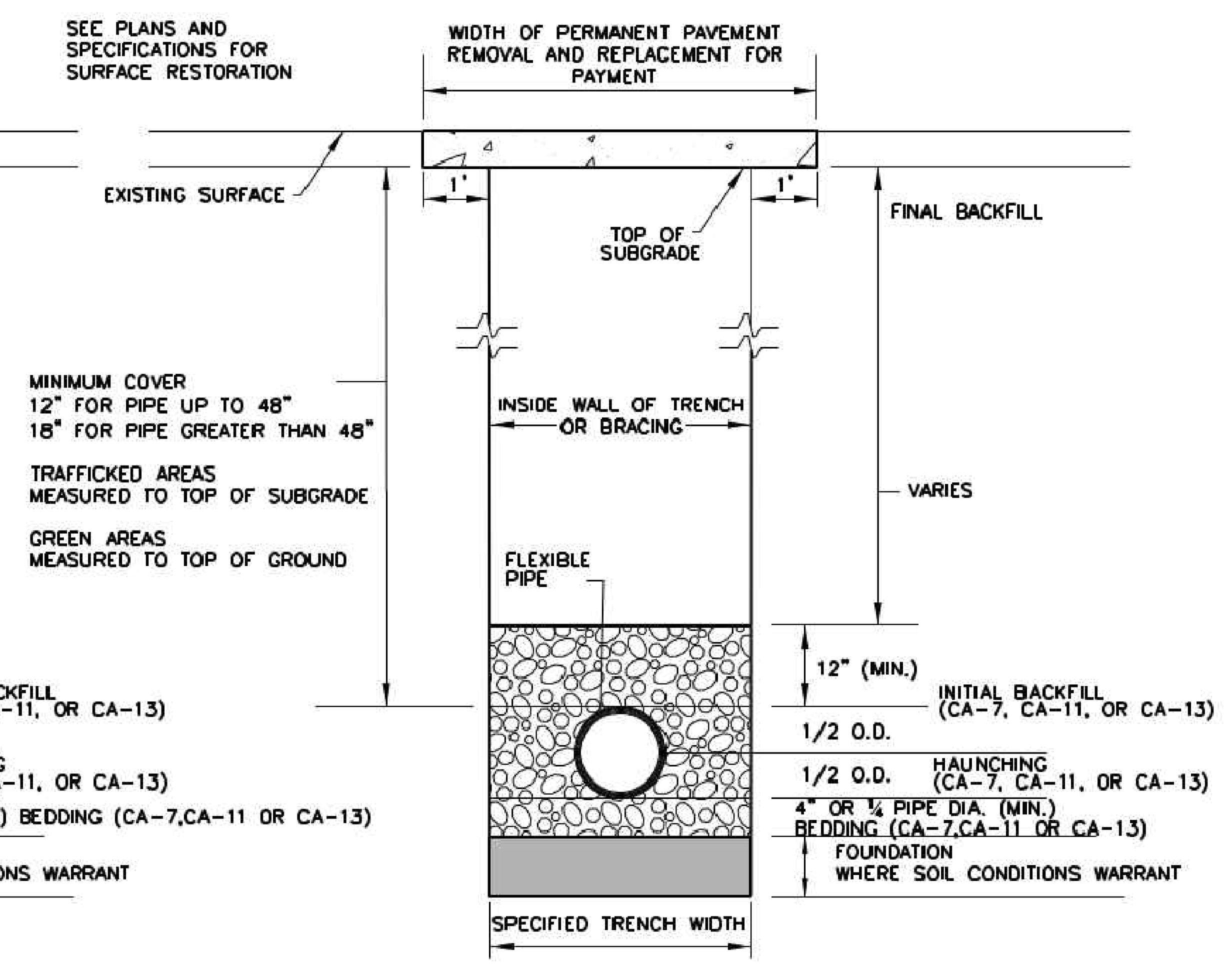
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RIGID PIPE INSTALLATION DETAIL



FLEXIBLE PIPE INSTALLATION DETAIL

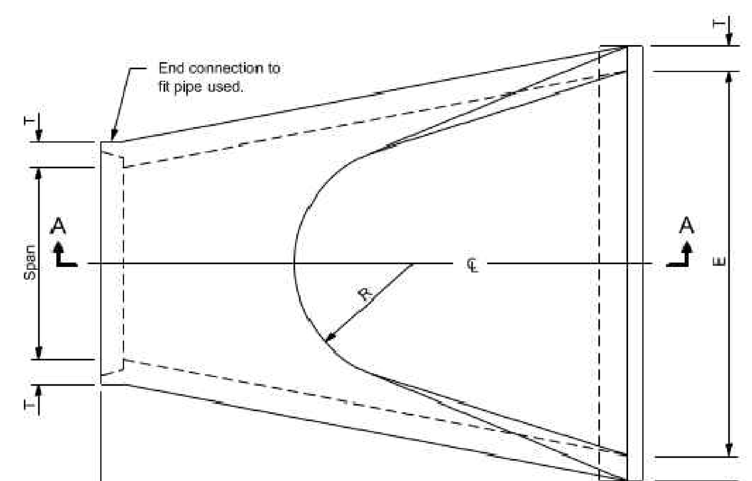
NOTES:
1. FOR QUALIFIED SEWER CONSTRUCTION ONLY.
2. SHORING, OR EQUIVALENT PROTECTIVE SYSTEM, REQUIRED FOR TRENCHES OF 5' DEPTH OR GREATER, OR AS REQUIRED BY MUNICIPALITY.

NOT TO SCALE

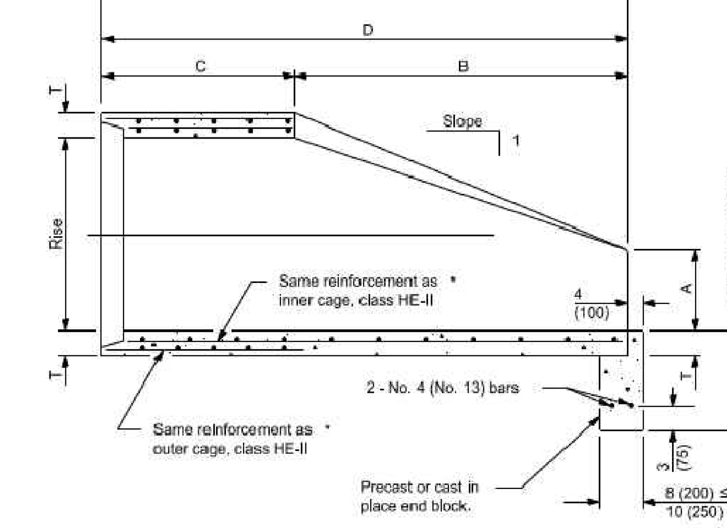
METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TECHNICAL GUIDANCE MANUAL — 7/1/15

RIGID AND FLEXIBLE PIPE INSTALLATION DETAIL — STD. DWG. NO. 34 — PAGE NO. 35



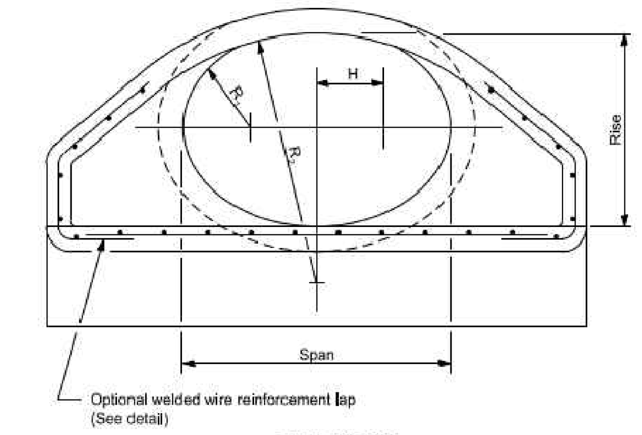
PLAN



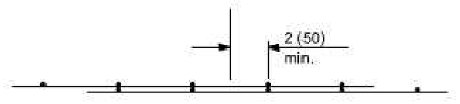
* Refers to the equivalent pipe diameter.

SECTION A-A

SPAN	RISE	EQUIV. DIA.	WALL T	A	B	C	D	E	H	R	R1	R2	APPROX. SLOPE
23 (584)	14 (356)	18 (450)	2¾ (70)	8 (203)	27 (686)	3'-9" (1.143 m)	6'-0" (1.829 m)	36 (914)	5⅜ (137)	6 (152)	6 (152)	20 (508)	1:3.1
30 (762)	19 (483)	24 (600)	3¼ (83)	8½ (216)	39 (991)	33 (838)	6'-0" (1.829 m)	4'-0" (1.219 m)	6⅞ (175)	7 (178)	8¼ (210)	26¼ (667)	1:2.8
34 (864)	22 (559)	27 (675)	3½ (89)	9 (229)	4'-0" (1.219 m)	24 (610)	6'-0" (1.829 m)	4'-6" (1.372 m)	7¾ (197)	8 (203)	9¼ (235)	29¼ (743)	1:2.9
38 (965)	24 (610)	30 (750)	3¾ (95)	9½ (241)	4'-6" (1.372 m)	18 (475)	6'-0" (1.829 m)	5'-0" (1.524 m)	8⅝ (219)	9 (229)	10¼ (260)	32¾ (832)	1:2.9
45 (1143)	29 (737)	36 (900)	4½ (114)	11¼ (286)	5'-0" (1.524 m)	36 (914)	8'-0" (2.438 m)	6'-0" (1.829 m)	10½ (267)	12 (305)	12¼ (311)	39¼ (997)	1:2.7
53 (1346)	34 (864)	42 (1050)	5 (127)	15¾ (400)	5'-0" (1.524 m)	36 (914)	8'-0" (2.438 m)	6'-6" (1.981 m)	12⅛ (308)	13 (330)	14½ (368)	3'-10" (1.168 m)	1:2.6
60 (1524)	38 (965)	48 (1200)	5½ (140)	21 (533)	5'-0" (1.524 m)	36 (914)	8'-0" (2.438 m)	7'-0" (2.134 m)	13½ (343)	14 (356)	16½ (419)	4'-3½" (1.308 m)	1:2.7
68 (1727)	43 (1092)	54 (1350)	6 (152)	26 (660)	5'-0" (1.524 m)	36 (914)	8'-0" (2.438 m)	7'-6" (2.286 m)	15¼ (387)	16 (406)	18¾ (476)	4'-10½" (1.486 m)	1:2.6
76 (1930)	48 (1219)	60 (1500)	6½ (165)	31 (787)	5'-0" (1.524 m)	36 (914)	8'-0" (2.438 m)	8'-0" (2.439 m)	17 (432)	18 (457)	20¾ (527)	5'-5" (1.651 m)	1:2.6



END VIEW



OPTIONAL WELDED WIRE REINFORCEMENT LAP

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

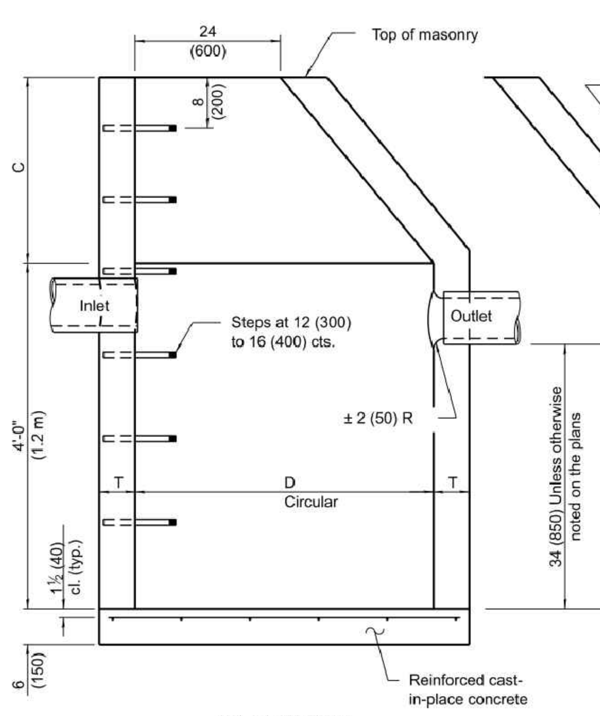
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED April 1, 2016 — ENGINEER OF BRIDGES AND STRUCTURES
APPROVED April 1, 2016 — ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-97

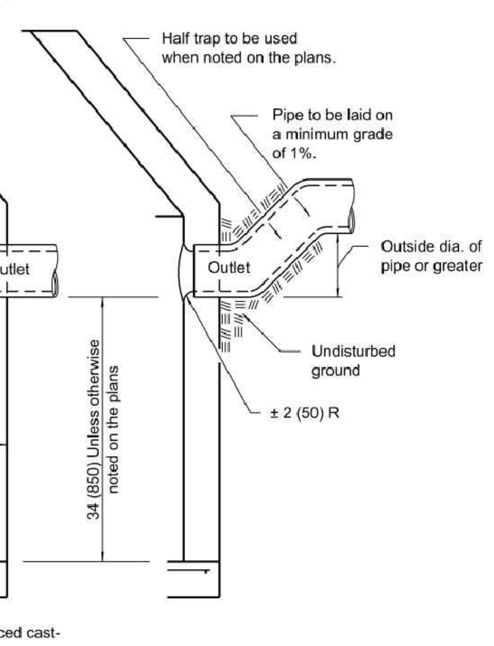
DATE	REVISIONS
4-1-16	Changed terminology to 'welded wire reiforcement'. Corrected min. lap dimension.
1-1-09	Switched units to English (metric).

PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION

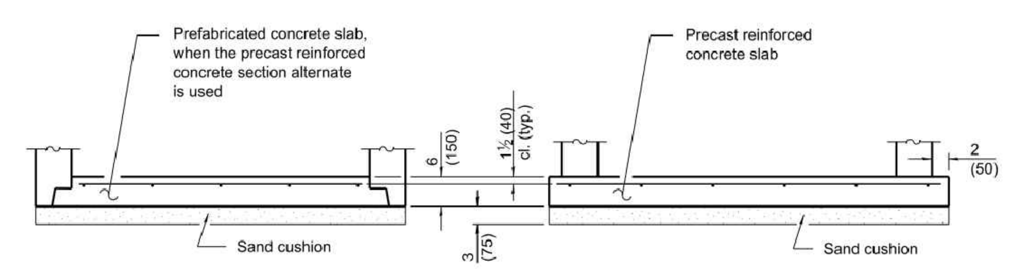
STANDARD 542306-03



ELEVATION (Standard Outlet)



ELEVATION (Half Trap)



ALTERNATE BOTTOM SLAB

ALTERNATE MATERIALS FOR WALLS	D	C*	T (min.)
Concrete Masonry Unit	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	5 (125) 5 (125)
Brick Masonry	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	8 (200) 8 (200)
Precast Reinforced Concrete Section	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	4 (100) 5 (125)
Cast-in-place Concrete	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	6 (150) 6 (150)

* For precast reinforced concrete sections, dimension "C" may vary from the dimension given to plus 6 (150).

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.20 sq. in./ft (420 sq. mm/m) in both directions with a maximum spacing of 12 (300).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

See Standard 602601 for optional precast reinforced concrete flat slab top.

See Standard 602701 for details of steps.

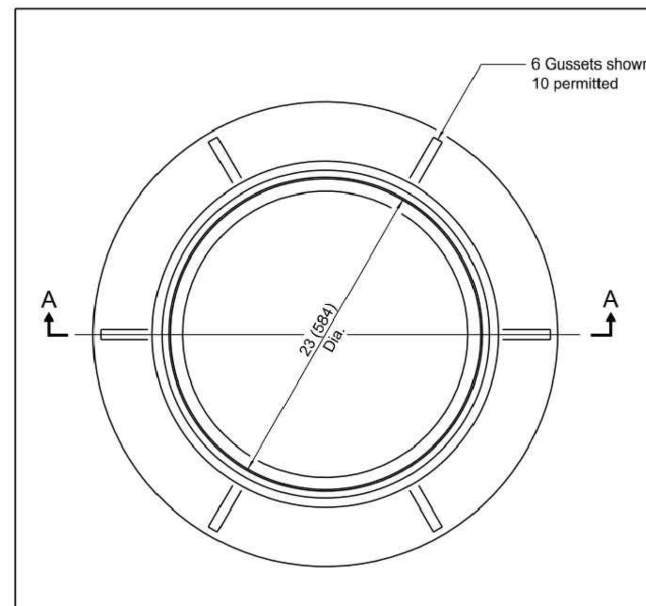
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED January 1, 2011 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2011 — ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-97

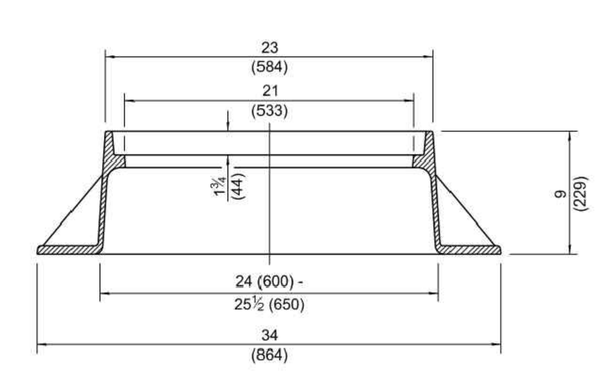
DATE	REVISIONS
1-1-11	Added 'Outside' to half trap note. Detail rein. in slabs. Revised general notes.
1-1-09	Switched units to English (metric).

CATCH BASIN TYPE A

STANDARD 602001-02

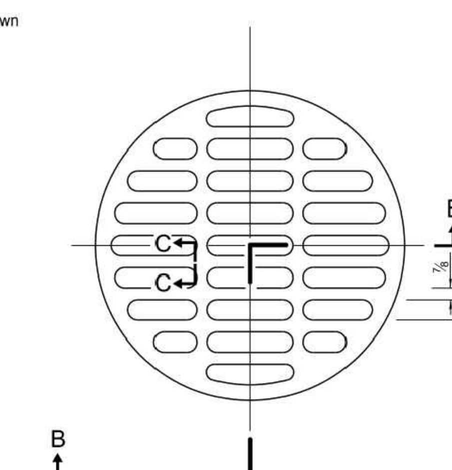


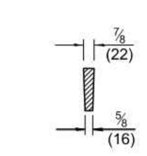
CAST FRAME



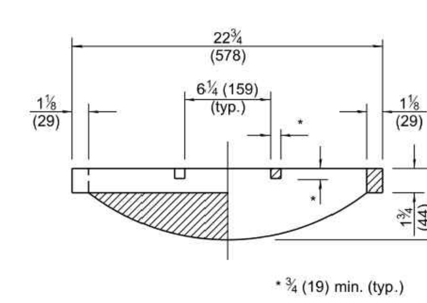
SECTION A-A

Gray Iron





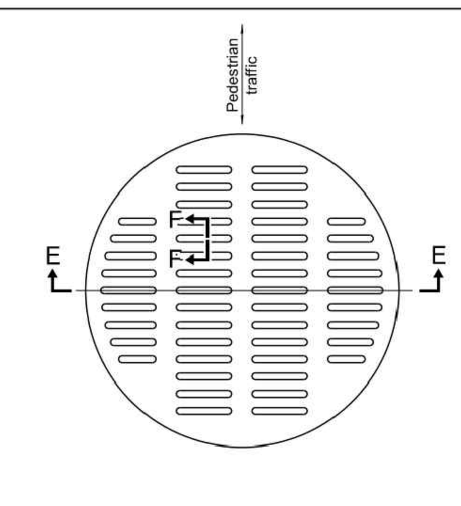
SECTION C-C

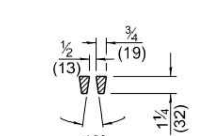


* ¾ (19) min. (typ.)

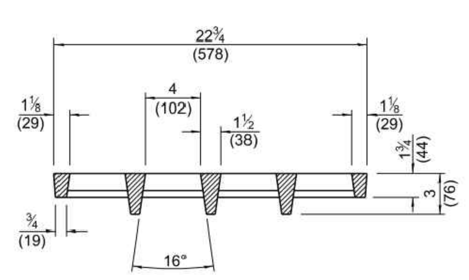
SECTION B-B

CAST OPEN LID



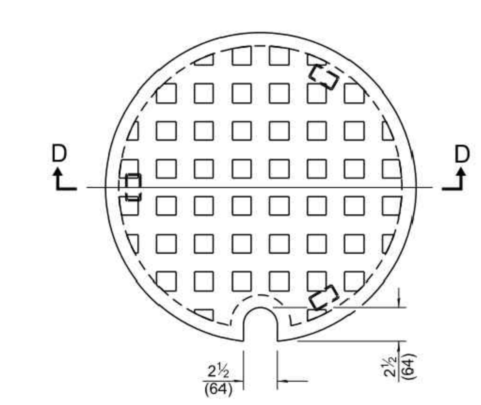


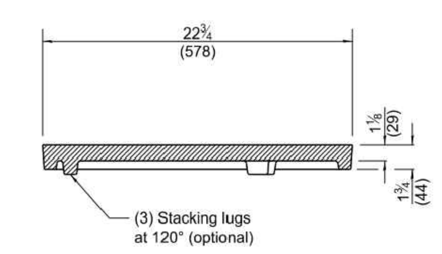
SECTION F-F



SECTION E-E

ADA COMPLIANT CAST OPEN LID





SECTION D-D

CAST CLOSED LID

Gray Iron Lid

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED January 1, 2020 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2020 — ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-97

DATE	REVISIONS
1-1-20	Revised dimension in Section B-B of cast open lid.
1-1-15	Revised dimensioning of frame. Added ADA compliant open lid.

FRAME AND LIDS TYPE 1

STANDARD 604001-05

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CHICAGO, IL 60642
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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

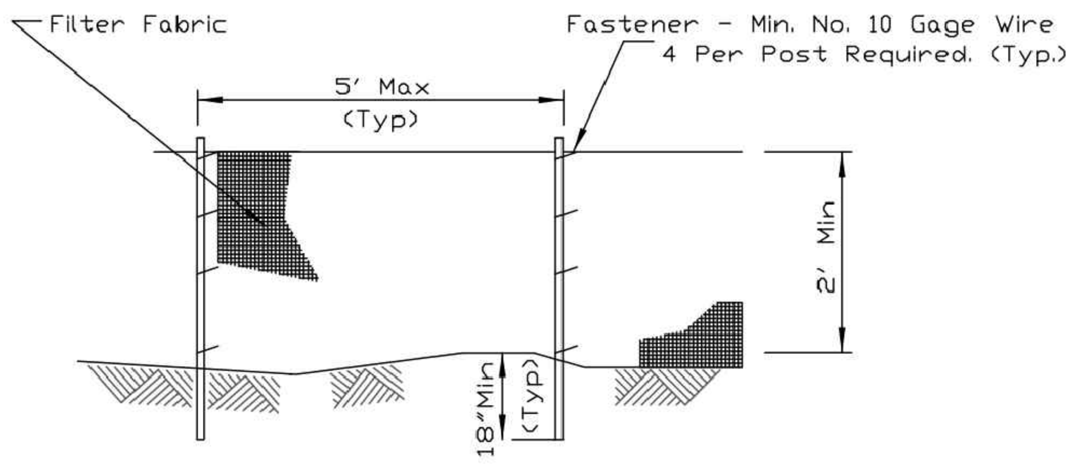
CIVIL DETAILS

C700

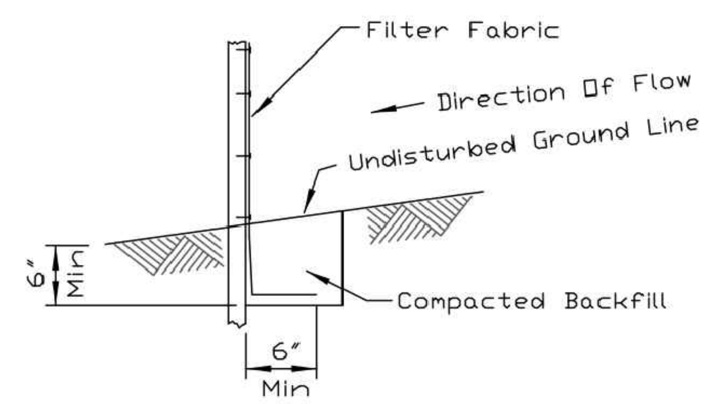
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File Location: P:\2024\20240781.00\Drawings\Current Drawing Files\CADD Sheets\C700 - Civil Details / SAVE DATE: 8/31/2026 8:13 PM BY: pkoc / PLOT DATE: 9/2/2026 4:15 PM BY: Paul Koc

SILT FENCE PLAN



ELEVATION

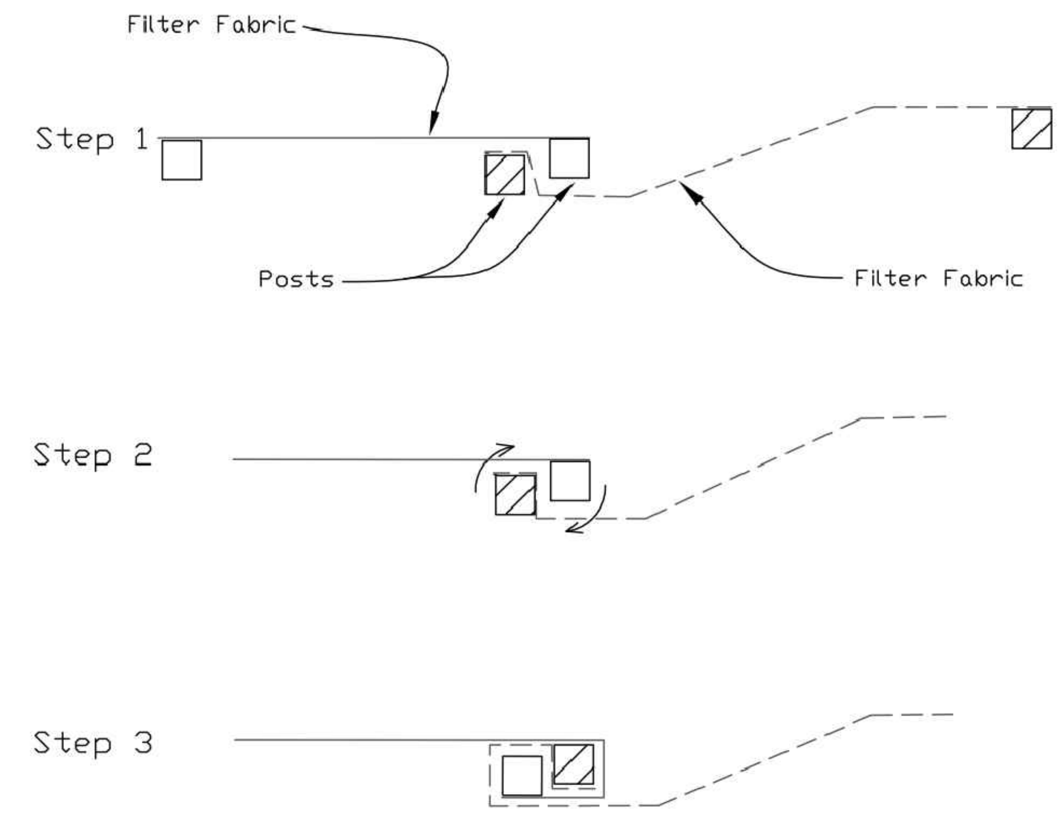


FABRIC ANCHOR DETAIL

NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE		STANDARD DWG. NO.
Project ______		IUM-620A
Designed ______ Date ______		SHEET 1 OF 2
Checked ______ Date ______		DATE 3-16-12
Approved ______ Date ______		

SILT FENCE - SPLICING TWO FENCES

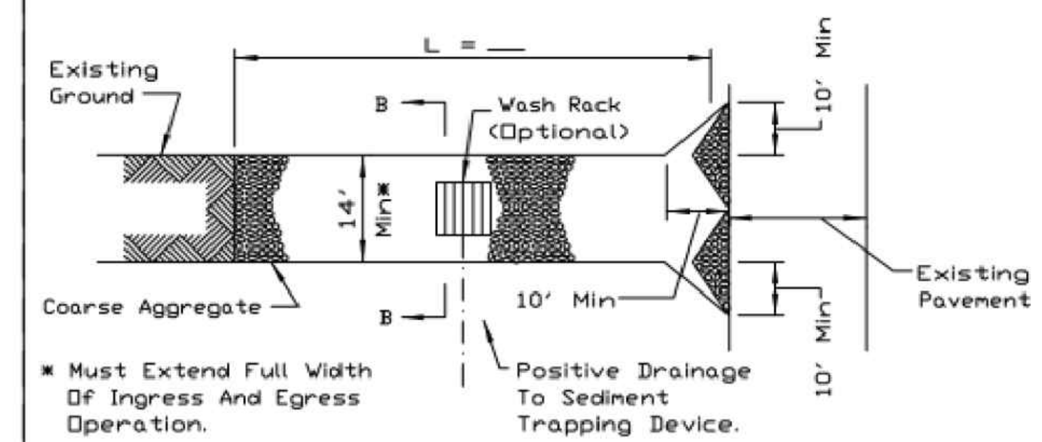


ATTACHING TWO SILT FENCES

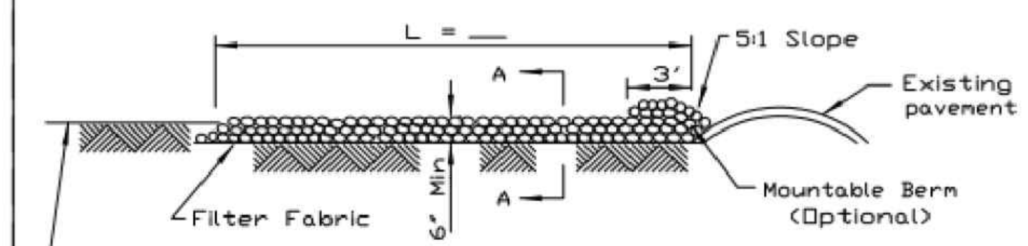
1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE		STANDARD DWG. NO.
Project ______		IUM-620B(W)
Designed ______ Date ______		SHEET 1 OF 1
Checked ______ Date ______		DATE 3-16-2012
Approved ______ Date ______		

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW

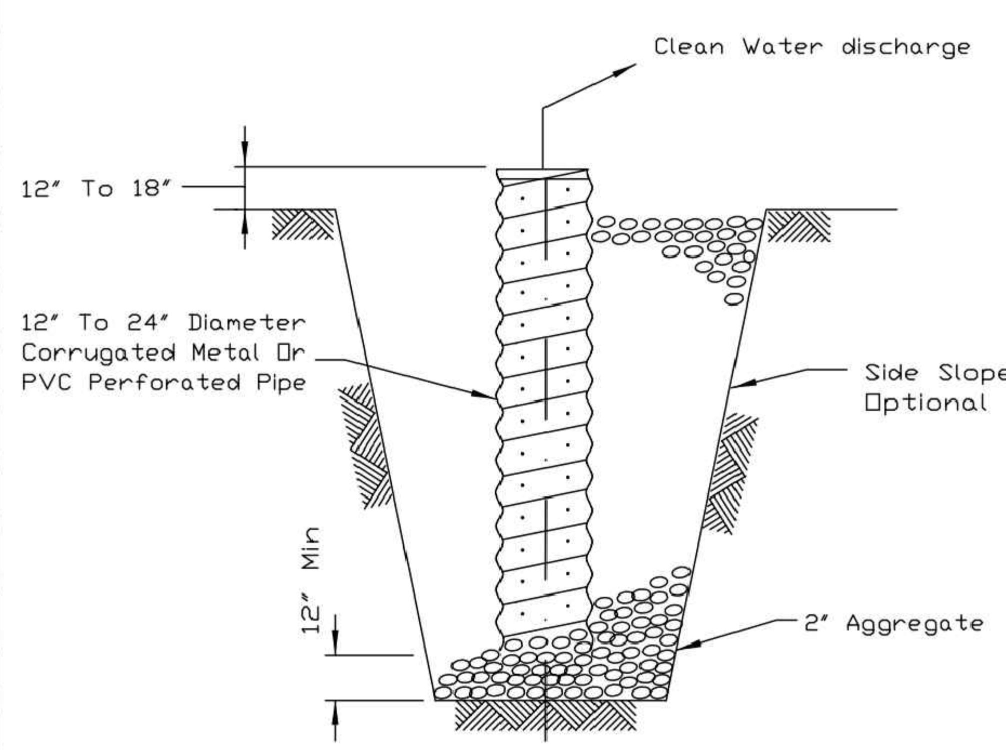


SIDE ELEVATION

NOTES:
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE	NRCS Natural Resources Conservation Service	STANDARD DWG. NO.
Project ______		IL-630
Designed ______ Date ______		SHEET 1 OF 2
Checked ______ Date ______		DATE 8-18-94
Approved ______ Date ______		

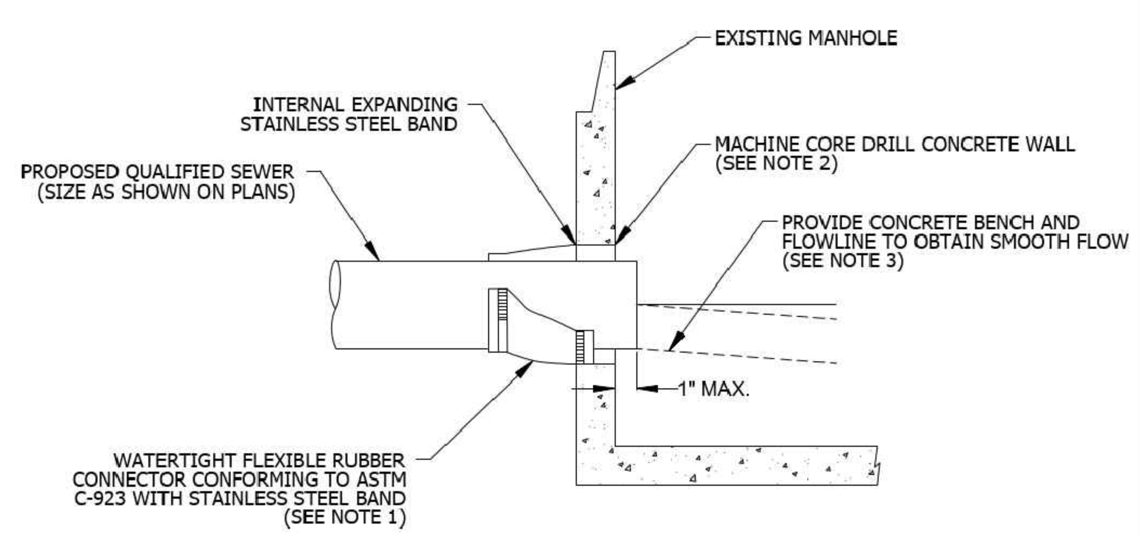
SUMP PIT PLAN



SECTION

NOTES:
1. Pit dimensions are optional.
2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
3. A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2" aggregate.
4. The standpipe will extend 12" to 18" above the lip of the pit.
5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
6. If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

REFERENCE	NRCS Natural Resources Conservation Service	STANDARD DWG. NO.
Project ______		IL-650
Designed ______ Date ______		SHEET 1 OF 1
Checked ______ Date ______		DATE 8-11-94
Approved ______ Date ______		



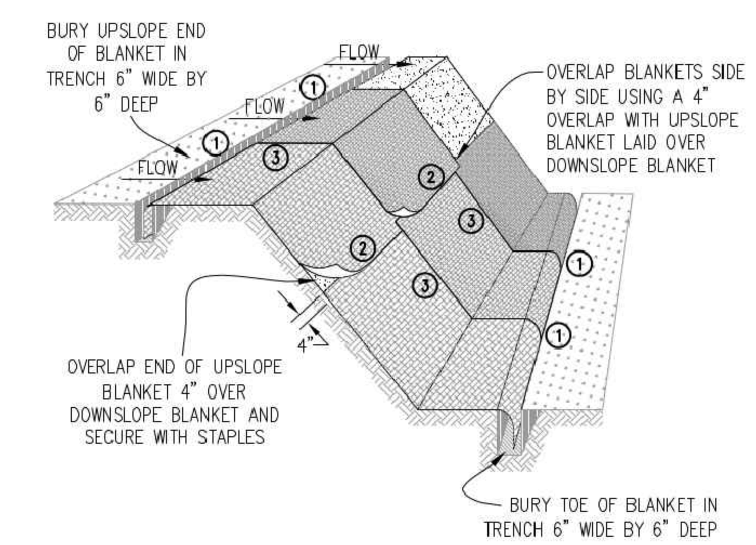
SECTION

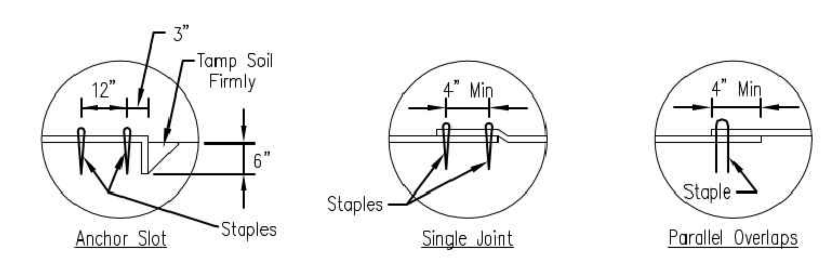
NOTES:
1. RESILIENT CONNECTOR COMPLYING WITH ASTM STANDARD C-923 (MOST RECENT EDITION) SHALL BE USED.
2. MACHINE CORE/DRILL CIRCULAR OPENING IN STRUCTURE WALL. OPENING DIAMETER TO FIT THE REQUIRED RESILIENT CONNECTOR PER MANUFACTURER'S RECOMMENDATION.
3. CUT, SHAPE, AND SLOPE NEW INVERT CHANNEL IN THE EXISTING CONCRETE BENCH FOR SMOOTH FLOW.
4. CLEAN EXISTING STRUCTURE AND SEWER PIPE OF ANY DIRT, CONCRETE, OR DEBRIS WHICH MAY ACCUMULATE DURING THE CONSTRUCTION PROCESS.
5. ANY DAMAGE TO THE EXISTING MANHOLE SHALL BE REPAIRED BY THE CONTRACTOR.
6. REINFORCED CONCRETE COLLAR MAY BE SUBSTITUTED FOR PIPE DIAMETERS LARGER THAN 36-INCHES.

NOT TO SCALE

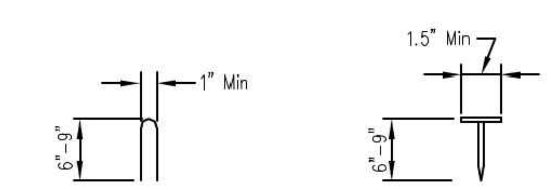
	TECHNICAL GUIDANCE MANUAL	10/02/18
METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO	PIPE TO EXISTING MANHOLE CONNECTION DETAIL	STD. DWG. NO. 42
		PAGE NO. 43

AUTOCAD2006





DETAIL 1 DETAIL 2 DETAIL 3



STAPLE DETAIL PUSH PIN DETAIL

NOTES:
1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

Sheet 1 of 1	Drawing No. File No. IUM-530	EROSION CONTROL BLANKET INSTALLATION DETAILS	Designed ______ / Drawn B. JOHNSON 11/08 / Checked ______ / Approved ______

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Revision Schedule

No.	Date	Description

VILLAGE OF STREAMWOOD EST. 1957

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

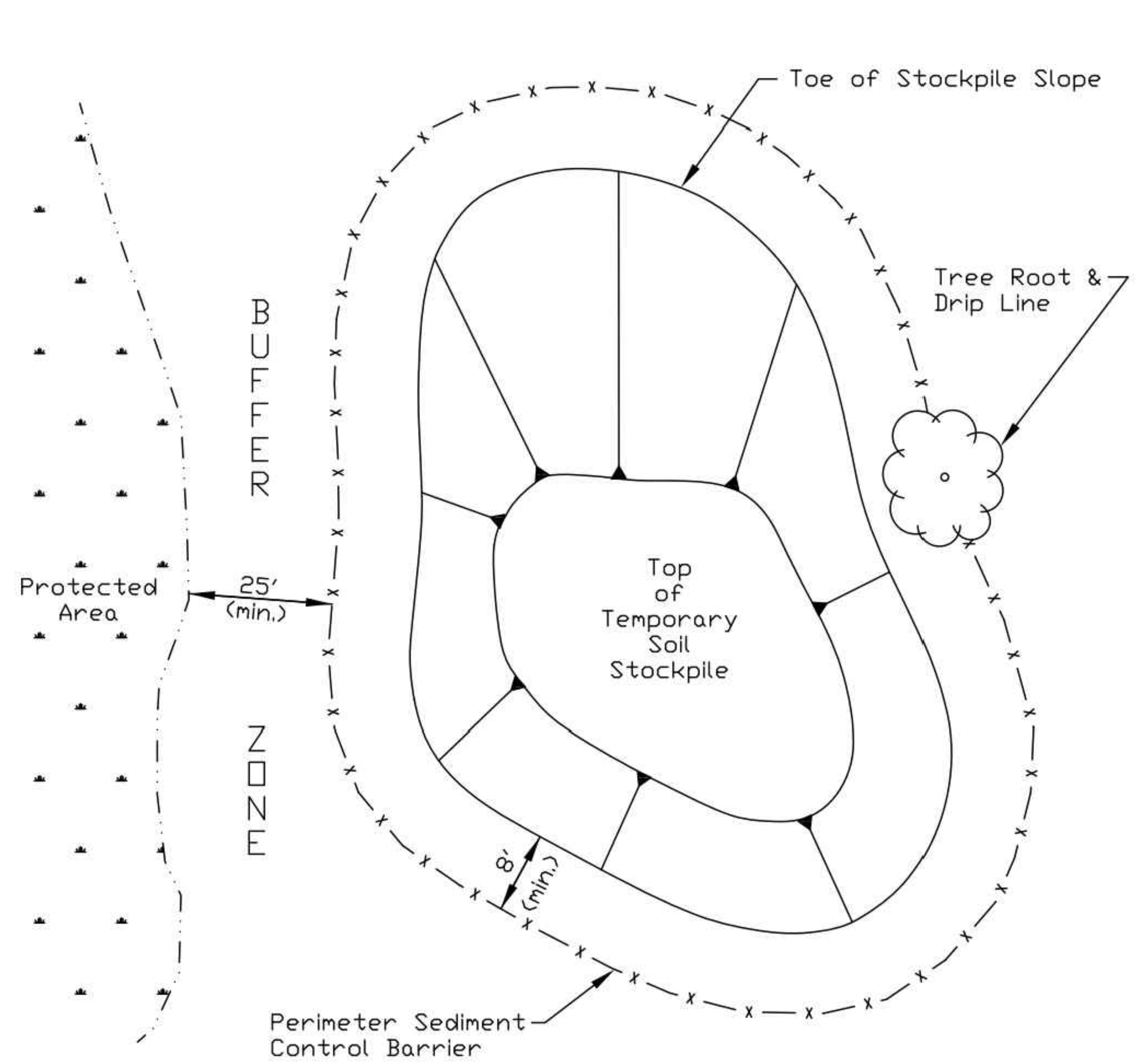
CIVIL DETAILS

C701

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THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECTLY
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TEMPORARY SOIL STOCKPILE DETAIL

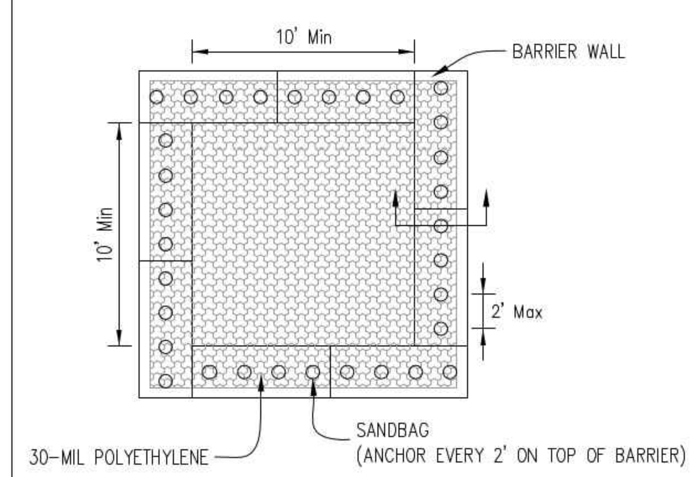


NOTES:

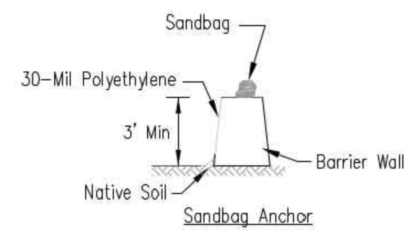
1. Stockpile slopes should be based on angle of repose of the soil material to avoid potential sloughing of the slope.
2. Soil stockpile to be stabilized in accordance with practical standards.
3. Do not locate stockpile within overland drainage flow path, designated floodways, drip line or over the root crown of adjacent trees.
4. Provisions for sediment control practices may be required along haul roads and entrance/exit locations for access the soil stockpile that can create flow path for stormwater runoff.
5. Installation of benches, terraces, or slope interrupters should be considered.
6. Avoid building soil stockpiles on impervious surfaces.
7. Liniear sediment trap surrounding the stockpile base may be used to control sediment.

REFERENCE		STANDARD DWG. NO.
Project ______		IUM-627
Designed ______ Date ______		SHEET 1 OF 1
Checked ______ Date ______		DATE JANUARY 2017
Approved ______ Date ______		

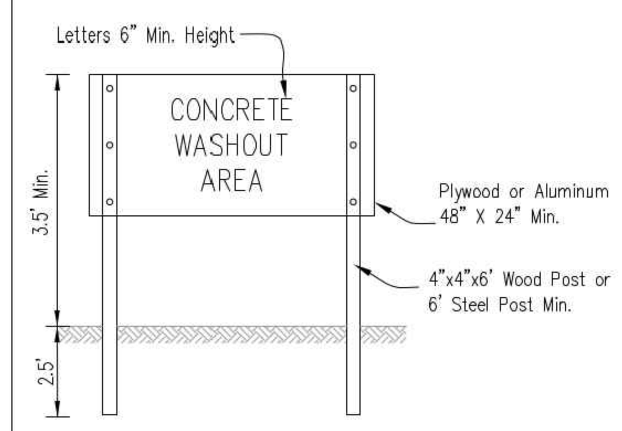
AUTOCAD2006



PLAN VIEW



BARRIER WALL ANCHOR SECTION

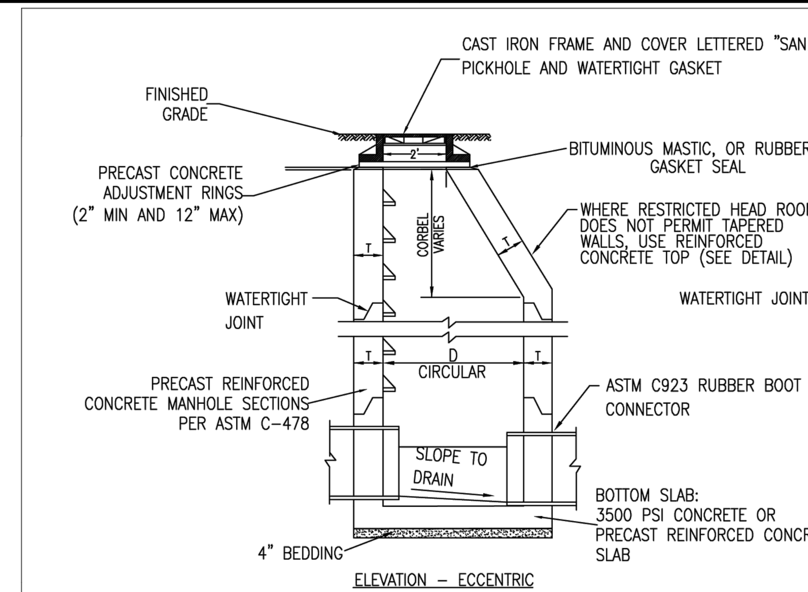


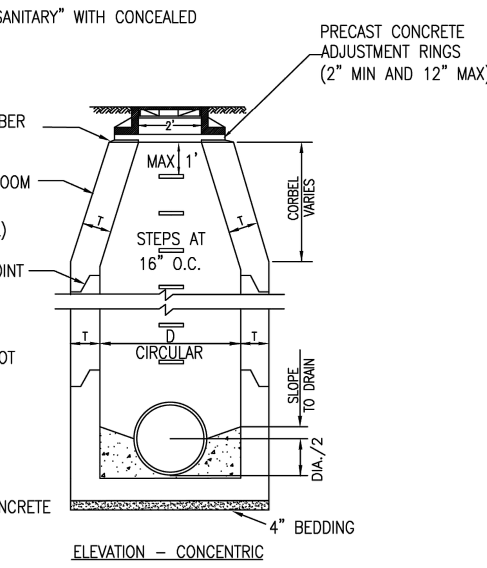
SIGN DETAIL

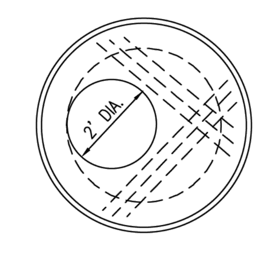
NOTES:

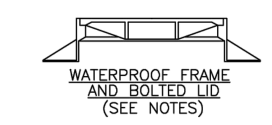
1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the faciliities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two–thirds full.

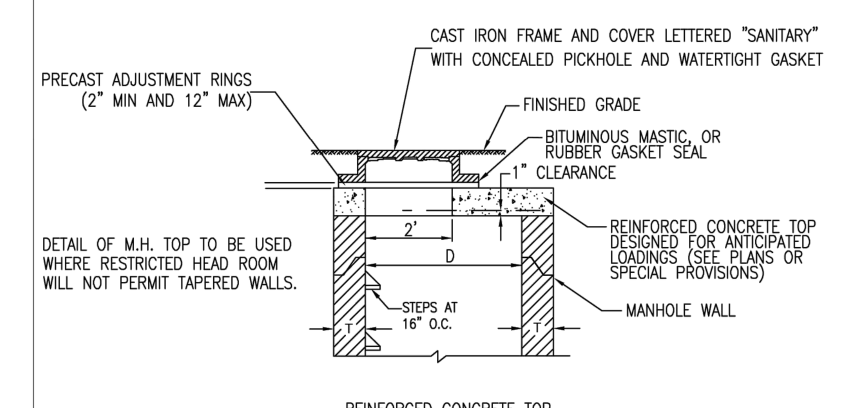
Sheet 3 of 3	File No. Drawing No. IUM-654BW	TEMPORARY CONCRETE WASHOUT FACILITY – BARRIER WALL	Designed ______	Date ______
			Drawn B. JOHNSON	6/08
			Checked ______	______
			Approved ______	______



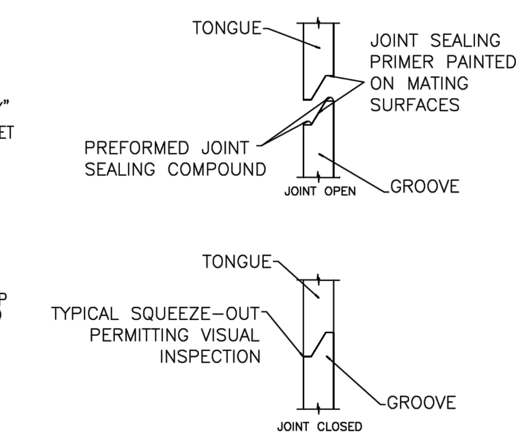








REINFORCED CONCRETE TOP



WATER TIGHT JOINT DETAIL

1. MANHOLES TO HAVE PRECAST "RUBBER BOOTS" CONFORMING TO ASTM C-923 AT ALL PIPE CONNECTIONS.
2. SANITARY MANHOLES SUBJECT TO SATURATION SOIL CONDITIONS OR SURFACE SUBMERGENCE SHALL BE EQUIPPED WITH CHIMNEY SEALS AND WATER TIGHT BOLTED DOWN MANHOLE COVERS.
3. MASTIC SEALANT OR RUBBER GASKET SEAL MUST BE APPLIED BETWEEN CONCRETE & FLANGE OF FRAME BEFORE LID BOLTS ARE TIGHTENED.
4. SAFETY LANDINGS REQUIRED FOR MANHOLES GREATER THAN 28 FEET DEPTH (RIM TO INVERT). MAXIMUM VERTICAL SPACING OF SAFETY LANDING IS 20 FEET.
5. FOR DROP CONNECTIONS, USE DROP CONNECTION MANHOLE DETAIL.
6. FOR ONLINE CONNECTIONS GREATER THAN 15 INCHES, USE DOGHOUSE MANHOLE DETAIL.

ALT MATERIALS FOR WALLS	D	T (MIN.)
PRECAST REINFORCED CONCRETE SECTION	4 FEET 5 FEET 6 FEET	4 IN 5 IN 6 IN
CAST-IN-PLACE CONCRETE	4 FEET 5 FEET 6 FEET	4 IN 5 IN 6 IN

NOT TO SCALE

TECHNICAL GUIDANCE MANUAL	08/09/2023
TYPICAL SANITARY MANHOLE "A" AND "B" DETAIL	STD. DWG. NO.39
	PAGE NO. 40

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700 N SANGAMON ST
CHICAGO, IL 60642
(312) 432-4180

Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

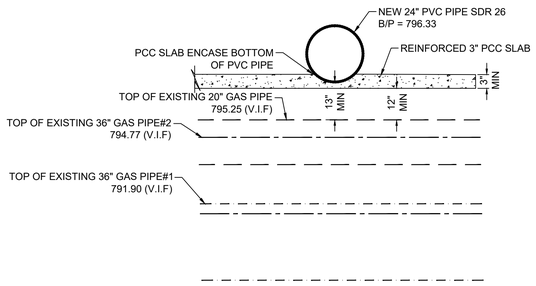
Project Number	24255
Issue	100% CD SET
Date	07/31/2026

CIVIL DETAILS

C702

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THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECTLY
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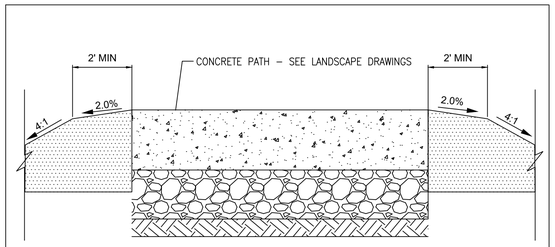


NOTES:

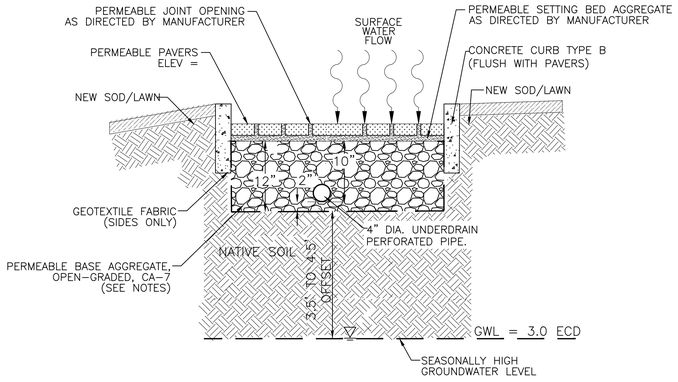
1. NO MECHANICAL EXCAVATION MAY OCCUR WITHIN 24 INCHES OF THE PIPELINE, ONLY SOFT DIGGING TECHNIQUES SUCH AS HYDROVAC, HAND DIGGING, ETC. THIS MUST BE CONFIRMED BY KINDER MORGAN FIELD DAMAGE PREVENTION TEAM AT THE TIME OF CONSTRUCTION.
2. TRAIL IS LOCATED ON A NATURAL GAS PIPELINE EASEMENT. CALL 815-695-0519 BEFORE ANY WORK STARTS WITHIN 25 FEET OF PIPELINES. A KINDER MORGAN REPRESENTATIVE MUST BE PRESENT BEFORE ANY EXCAVATION OR DISTURBANCE WITHIN 25 FEET OF THE GAS LINES.

1 KM GAS AND PROPOSED VILLAGE PVC STORM SEWER CROSS SECTION
Scale: NTS





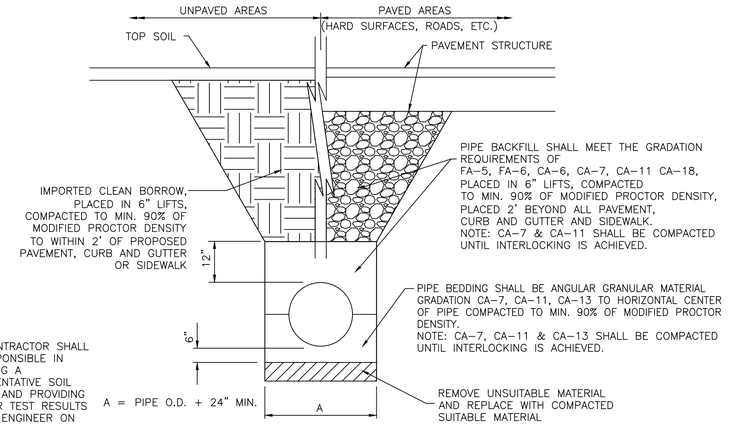
7 GRADING DETAIL - CONCRETE PATH
Scale: NTS



VOLUME TYPE	SURFACE AREA	DEPTH	POROSITY	STORAGE VOLUME	VOLUME PROVIDED
V: COARSE AGGREGATE (ABOVE UNDERDRAIN)	9,701 SQFT	1 FT	0.36	0.36 X 9,701 X 0.5	1,746 CUFT
				TOTAL	1,746 CUFT

NOTES:
1. THE PERIMETER OF THE VOLUME CONTROL FACILITY SHALL MAINTAIN THE MINIMUM HORIZONTAL SEPARATION DISTANCE OF: 10-FEET FROM FOUNDATIONS, UNLESS WATERPROOFED; 20-FEET FROM ROADWAY GRAVEL SHOULDER; AND 100-FEET FROM POTABLE WATER WELLS, SEPTIC TANKS/FIELDS, OR OTHER UNDERGROUND TANKS.
2. SANITARY OR COMBINED SEWERS SHALL NOT BE LOCATED WITHIN THE VOLUME CONTROL FACILITY. SANITARY OR COMBINED SEWERS SHALL NOT BE LOCATED BELOW THE FOOTPRINT OF THE VOLUME CONTROL FACILITY. WHEN LOCAL CONDITIONS PREVENT THE SEWER FROM BEING LOCATED OUTSIDE THE FOOTPRINT OF THE FACILITY THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN QUALITY STANDARDS, OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.
3. AVOID INSTALLATION ON SLOPES GREATER THAN 3.00%. AVOID COMPACTING NATIVE SOILS. SCARIFY ANY COMPACTED SOIL.
4. GEOTEXTILE FABRIC SHALL MEET REQUIREMENTS OF IUM MATERIAL SPECIFICATION 592. FOR WOVEN: APPARENT OPENING SIZE OF 0.50 MM (TABLE 1, CLASS I). FOR NON WOVEN: APPARENT OPENING SIZE OF 0.30 MM (TABLE 2, CLASS II).
5. STONE STORAGE OPTIONS ARE IDOT CA-1, CA-3, CA-7, DISTRICT VULCAN MIX, OR APPROVED ALTERNATE. NO RECYCLED MATERIALS.
6. MINIMUM DISTANCE OF 2 FEET (3.5 FEET IN COMBINED SEWER AREAS) BETWEEN BOTTOM OF BMP AND SEASONALLY HIGH GROUNDWATER LEVEL.
7. UNDERDRAINS ARE REQUIRED IN TYPICAL CLAYEY SOILS WHERE INFILTRATION RATES ARE LESS THAN 0.5 INCH/HOUR. MAXIMUM OF 1 UNDERDRAIN PER 30 FEET. PROVIDE A SOIL REPORT DOCUMENTING NATIVE INFILTRATION RATE TO FOREGO UNDERDRAINS.
8. MINIMUM UNDERDRAIN BEDDING OF TWO INCHES, MAXIMUM OF 12 INCHES.
9. ONE OBSERVATION WELL REQUIRED PER 6,000 SQUARE FEET OF SURFACE AREA.
10. FOLLOW THE REQUIRED PRETREATMENT MEASURES LISTED ON THE VOLUME CONTROL PRETREATMENT MEASURES DETAIL.
11. MAINTENANCE REQUIREMENTS INCLUDE ANNUAL VACUUMING AND LOW-PRESSURE POWER WASHING OF PAVEMENT SURFACE. ADJACENT VEGETATED AREAS SHALL BE WELL-MAINTAINED. BARE SPOTS AND ERODED AREAS SHALL BE REPLANTED AND STABILIZED IMMEDIATELY. DO NOT SEALCOAT OR APPLY DE-ICING SAND/GRAVEL/SALT. APPROPRIATE SIGNAGE REQUIRED FOR FACILITY, REFER TO THE TYPICAL SIGNAGE FOR PERMEABLE PAVEMENT DETAIL.

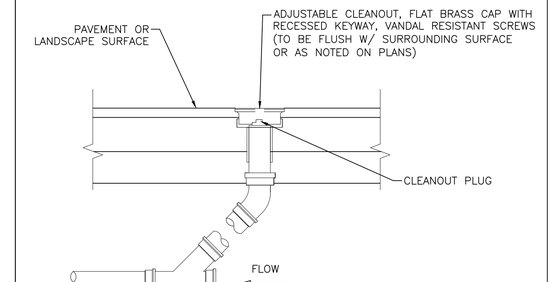
2 PERMEABLE PAVERS - VOLUME CONTROL FACILITY
SCALE: NTS



NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE IN OBTAINING A REPRESENTATIVE SOIL SAMPLE AND PROVIDING PROCTOR TEST RESULTS TO THE ENGINEER ON RECORD.

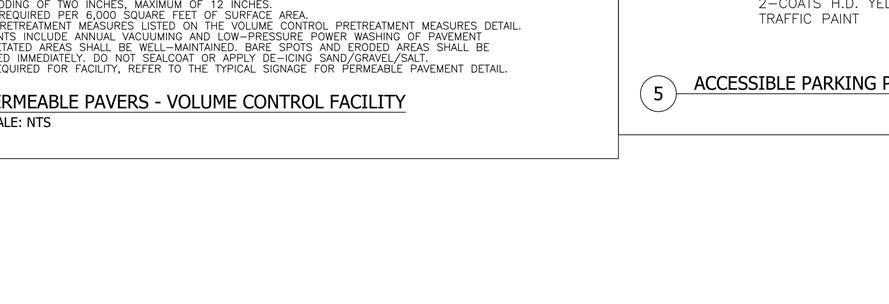
THE CONTRACTOR SHALL ALSO BE REQUIRED TO PERFORM COMPACTION TESTING.

3 ONSITE TRENCH DETAIL
SCALE: N.T.S

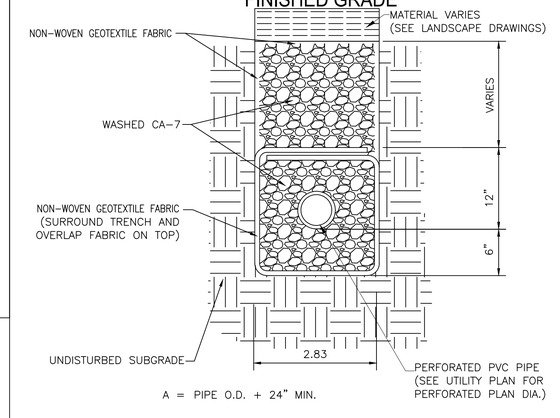


NOTE: ALL CLEANOUT COMPONENTS SHALL BE FULLY PROVIDED UNDER THIS CONTRACT. FINAL ADJUSTMENT AND SETTING OF CLEANOUT CAP SHALL BE PERFORMED UNDER SEPARATE CONTRACT, AT TIME OF FINISH SURFACE PLACEMENT.

4 TYPICAL CLEANOUT
SCALE: N.T.S



5 ACCESSIBLE PARKING PACE SYMBOL
Scale: NTS



6 PERFORATED PIPE DETAIL
Scale: NTS

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

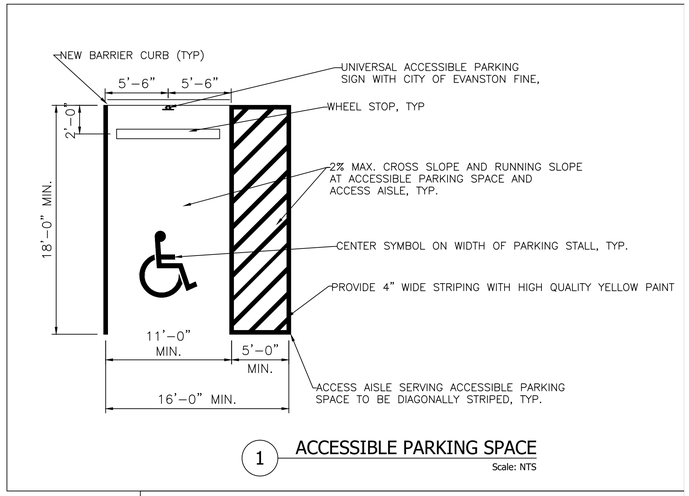
Project Number	24255
Issue	100% CD SET
Date	07/31/2026

CIVIL DETAILS

C703

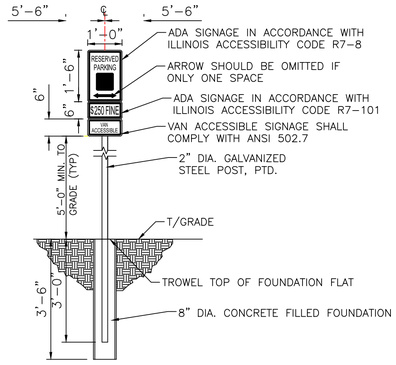
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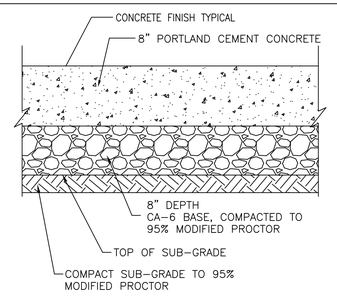
1 ACCESSIBLE PARKING SPACE

Scale: NTS



2 NEW ACCESSIBLE PARKING SIGNAL DETAIL

Scale: NTS



3 NEW CONCRETE DRIVEWAY

Scale: NTS

FILL CHART

Material Location	Description	Material Classification			Compaction/Density Requirement (NOTE 3)
FINAL FILL Fill starting from the top of the embedment fill layer. (NOTE 1 and 2)	Suitable Fill Materials as noted in the Project Geotechnical Report and noted on the Site Design Engineer's Plans	See Project Geotechnical Report and Site Design Engineer's Plans			Plate Compact or Static Roll loose lifts to density fill. Use at least two full passes of the equipment to level the layer. Continue until 24 inches of total fill thickness has been placed above the tank. For AASHTO M145 soils, a minimum of 95% of the Standard Proctor Maximum Dry Density is recommended. After 24 inches of fill is placed, place fill in accordance with the engineer of record's relative compaction requirement or to 95% of the Standard Proctor Maximum Dry Density - whichever is greater.
EMBEDMENT FILL Fill Immediately Surrounding the sides and top of tank (NOTE 4) **BEDDING FILL** Fill immediately below the tank (NOTE 4)	Sand-Gravel Mixtures or Open-Graded Crushed Aggregate Blends	AASHTO M145 A-1, A-2-4, A-3	or	AASHTO M43 3, 357, 4, 467, 5, 56, 57	Plate Compact or Static Roll loose lifts to density fill. Use at least two full passes of the equipment to level the layer. For AASHTO M145 soils, a minimum of 95% of the Standard Proctor Maximum Dry Density is recommended.

NOTE 1: This layer can include pavement subbase
NOTE 2: If open-graded aggregates are used for embedment fill, fines migration from the final to embedment fill layer may be reduced by installing a layer of 6 oz non-woven geotextile fabric at the final and embedment fill interface.
NOTE 3: See Construction Equipment Table for more information for construction equipment limitations.
NOTE 4: Import or native soils may be used if the soils meet the material classification listed. Fill material should be selected based on classification, groundwater conditions, and tank invert elevation.

CONSTRUCTION EQUIPMENT CHART

Equipment Make (NOTE 1)	Maximum Gross Vehicle Weight (lbs)	Minimum Fill Depth over Tank (in)
Plate Compactor	1,500	6
Compact Track Loader (NOTE 2)	7,500	6
Rubber-Tired Skid Steer (NOTE 3)	7,500	14
Low Ground Pressure Tracked Vehicles (NOTE 4)	20,000	14
Roller - Static Mode	12,000	18
Roller - Vibratory Mode	12,000	24
Dump Trucks and Pans	NOTE 5	

NOTE 1: Vehicles shall make straight runs only across tank footprint.
NOTE 2: Maximum ground pressure = 5 psi
NOTE 3: Maximum axle load = 5,250 lbs
NOTE 4: Maximum ground pressure = 7 psi
NOTE 5: Contact ACO for more information regarding dump truck and pan traffic during construction.
NOTE 6: Backfill material may be temporarily unloaded near the excavation. Material shall not be stockpiled near the excavation for longer than 24 hours.

COVER CHART

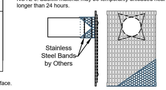
Live Loading Condition	Cover Thickness (inches)	
	Minimum	Maximum
Non-Trafficked Areas (i.e. Landscaping)	12	54
Passenger Vehicles Parking Lot (i.e. Gross Vehicle Weight <10,000 lbs)	18	54
Passenger Vehicle Parking Lot with one weekly AASHTO HS-20 vehicle	24	54
Frequent AASHTO HS-20 Traffic	26	54

NOTE 1: Minimum Cover Thickness in non-trafficked areas is based on landscape surface with a 40 degree load distribution. In trafficked areas, Minimum Cover Thicknesses are based on an asphalt-surfaced pavement with a 30 degree load distribution.
NOTE 2: Calculations assume backfill with a minimum 32-degree angle of internal friction and a maximum density of 120 lbs per cubic foot, and a seasonal groundwater elevation at least 2 feet below the invert of the tank.

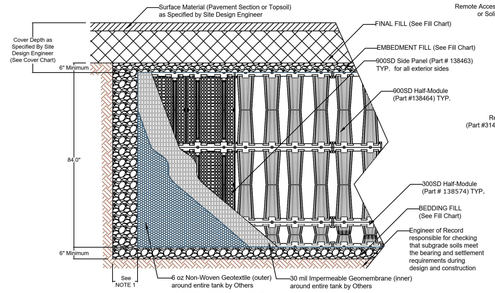
SIDE PANEL PIPE DIAMETER CHART

Module Type	Inlet/Outlet Pipe Diameter	
	Minimum	Maximum
900SD	4 inches	24 inches (Note 2)
300SD	4 inches	6 inches

NOTE 1: Cut inlet / outlet pipe hole prior to side panel installation.
NOTE 2: Pipe holes should be aligned with the vertical centerline of the side panel. For pipes larger than 18 inches, center the pipe hole along the seam of two side panels.
NOTE 3: Contact ACO for guidance for inlet / outlet pipes larger than 24-inch diameter

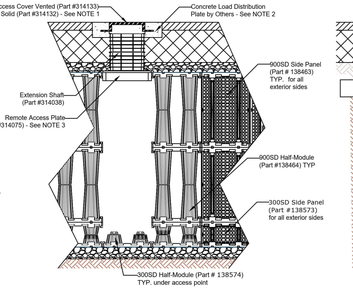


DETAIL A - PIPE WRAP
NTS



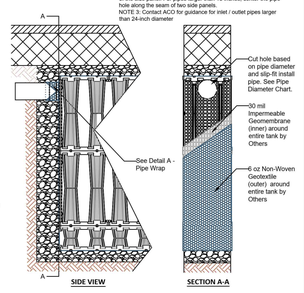
2 LAYER 900SD - 1 LAYER 300SD DETENTION CROSS SECTION
NTS

NOTE 1: The minimum width of sidewall backfill is 12" or large enough to accommodate selected compaction equipment, whichever is greater.



2 LAYER 900SD - 1 LAYER 300SD ACCESS POINT CROSS SECTION
NTS

NOTE 1: Ventilation may be crucial to reducing the pressure build up within the system. If solid access covers are used, alternative methods of ventilation are recommended.
NOTE 2: Concrete Load Plate not required for unpaved applications. Consult Engineer of Record for requirements
NOTE 3: The Remote Access Plate is approximately the size of half of a half-module. The half-module at the top of the tank must be cut in half to accommodate the Remote Access Plate



SIDE VIEW **SECTION A-A**

2 LAYER 900SD - 1 LAYER 300SD PIPE INSTALLATION
NTS

DRAWN BY	CHECKED BY
A Frye	J Jonke
DATE	REV.
12/23/2024	3

STORMBRIXX STANDARD DETAILS

SYSTEM - 2 LAYER 900SD - 1 LAYER 300SD - DETENTION

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ARBORSYSTEM® URBAN TREE PLANTING SYSTEM

For questions regarding installation, call 1-866-282-2743, or email inquiries@greenblue.com.
www.greenblue.com

GENERAL INSTALLATION INSTRUCTIONS

(See the RootSpace® Installation & Maintenance Manual and/or the Utilities & RootSpace® Guide for additional details.)

1. Layout and mark tree locations, area to be excavated and underground utilities. (Note: Include an extra 12" around the perimeter for ease of installation and backfill compaction.)
2. Determine the excavation depth, and excavate for the ARBORSYSTEM®. (NOTE: Excavation depth is the sum of the aggregate sub-base thickness, the ROOTSPACE® SYSTEM depth (see plan details), the aggregate pavement base thickness, and the pavement material thickness.)
3. Ensure that the native soil meets the engineers load bearing specifications. Always check the pit dimensions at the base of the pit, ensuring that sides are clean and square.
4. If specified, install the the drainage piping. (NOTE: Adequate drainage from tree pit shall be provided if design incorporates stormwater management, or if required by site conditions.)
5. Place the sub-base aggregate at the specified thickness and compact a minimum of three passes using a plate compactor. Level, screed, and properly compact the aggregate sub-base before installing the ROOTSPACE® SYSTEM.
6. If specified, place the ARBORGRID™ SOIL REINFORCEMENT MESH flat on top of the sub-base aggregate allowing it to extend a minimum of 6" beyond the ROOTSPACE® SYSTEM base footprint.
7. Layout and mark the centerpoint of the tree.
8. Install the base layer of ROOTSPACE® UPRIGHTS according to the plan. (NOTE: Typically you would start from the center point of the tree and work outward to the edges. If specified, leave uprights out of the tree well area.)
9. In applications where a single row of the ROOTSPACE® SYSTEM is installed, anchor the UPRIGHTS to the tree pit sub-base aggregate using 3/8" x 8" galvanized spiral spikes.
10. If specified, install the ROOTSPACE® SIDE INFILL PANELS adjacent to vehicle traffic areas.
11. If designed as a two layer system, install the top layer of ROOTSPACE® UPRIGHTS on top of the base layer of ROOTSPACE® UPRIGHTS. (If specified, leave the uprights out of the tree well area.)
12. Install the ROOTSPACE® AIRFLOW™ TOP DECKS around the perimeter.
13. Wrap the ROOTSTOP™ SMOOTH ROOT BARRIER around the outside of the ROOTSPACE® SYSTEM. (NOTE: Overlap the seam 10"-12", and seal with seam tape. If needed, stakes or duct tape can be used to hold the ROOTSTOP™ flat against the vertical sides of the ROOTSPACE® SYSTEM.) If specified, COMBIGRID™ or ARBORGRID™ SOIL REINFORCEMENT MESH can also be used to wrap the outside of the ROOTSPACE®SYSTEM.
14. Place backfill material in the space between the sides of the excavation and the ROOTSTOP™ SMOOTH ROOT BARRIER in ~10" lifts and compact with a plate compactor, or jumping jack compactor. Ensure that the compaction equipment doesn't damage the ROOTSTOP™. (NOTE: Only backfill ½ the height of the ROOTSPACE® SYSTEM.)
15. Place the planting soil inside of the ROOTSPACE® SYSTEM in 12" lifts and foot compact by walking through the soil. (NOTE: Do no install the ROOTSPACE® AIRFLOW™ TOP DECKS in the area where the tree will be planted.)
16. Place the remaining ROOTSPACE AIRFLOW™ TOP DECKS on the system. (NOTE: Leave four (4) Lids out where the tree is to be planted.)
17. Fill the ROOTSPACE AIRFLOW™ TOP DECKS with planting soil. A plate compactor may be used to settle the soil in the system. (NOTE: This compensates for soil settlement within the system.)
18. If specified, install the ROOTDIRECTOR™ PRE-FORMED ROOT MANAGEMENT SYSTEM at each of the tree pit openings.
19. Lay the COMBIGRID™ (heavy white geogrid/fabric) horizontally on top of the ROOTSPACE AIRFLOW™ TOP DECKS, allowing it to fold vertically down the sides of the ROOTSPACE® SYSTEM and horizontally across the backfill around the perimeter. (NOTE: Typically 10'-12" vertically and 10'-12" horizontally.)
20. At each tree pit opening, cut an "X" in the COMBIGRID™ and fold it back around the ROOTDIRECTOR™ PRE-FORMED ROOT MANAGEMENT SYSTEM, or if forming the treepit opening for concrete, then fold it on the inside of the concrete form.
21. Layout and install the ARBORVENT™ 150 AERATION/IRRIGATION INLETS. (Cut an "X" and fold back the COMBIGRID™. Place the pipe flush with the top of the ROOTSPACE® Airflow™ Lid. Trim the pipe as required so that the top of the ARBORVENT™ 150 AERATION/IRRIGATION INLET will be flush with the finished elevation of the pavement.)
22. Place the aggregate pavement base at the specified thickness, on top of the COMBIGRID™ (heavy white geogrid/fabric) and compact with a plate compactor. (NOTE: Place the concrete forms around the inside of the tree pit opening. Hold the aggregate back 4"-6" from the concrete forms and taper it to form a thickened edge around the tree pit opening.
23. Place and finish the concrete.
24. Remove the planting soil as required to plant the tree.
25. Place the tree rootball in the tree well.
26. Place the REROOT™ RIBBED ROOT BARRIER vertically around the inside of the tree pit opening, and against the edge of the tree pit opening. (NOTE: The ribs face the tree. Overlap the seam 1-2 ribs, and seal with seam tape.)
27. Place the tree in the tree well. If specified, install the ROOTRAIN™ AERATION/IRRIGATION ROOTBALL LOOP around the rootball, and install the ROOTRAIN™ INLET. Backfill the planting soil around the rootball as required.
28. Backfill the planting soil around the rootball as required.
29. If specified, install the tree grate and tree guard.
30. Clean up as required and water the tree.

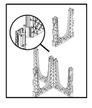
ARBORSYSTEM® COMPONENT IDENTIFICATION

(For component identification only. Not all components may be specified on this project.)

RootSpace® 400 Upright (height: 16")	RootSpace® 600 Upright (height: 24")	RootSpace® 400 Side Infill Panel (height: 16")	RootSpace® 600 Side Infill Panel (height: 24")	RootSpace® AirFlow™ Top Deck (20" x 20")	RootStop™ Root & Moisture Barrier (height: 16"/ 24"/ 32"/ 40")	ReRoot™ Ribbed Root Barrier (height: 12"/ 24"/ 40")	ReRoot™ Seam Tape (3" wide)
ArborVent™ 100 Aeration/Irrigation Inlet. (4" x 4")	RootRain™ Precinct Aeration/Irrigation Inlet (4" ø)	RootRain™ Urban Aeration/Irrigation Inlet (4" ø)	RootRain™ Civic Aeration/Irrigation Inlet (4" ø)	RootRain™ Aeration/Irrigation Tee (1"-) 4")	RootRain™ Aeration/Irrigation Pipe (1"-) 4")	ArborVent™ 150 Aeration/Irrigation Inlet (6" x 6")	CombiGrid™ GeoGrid/Fabric Composite

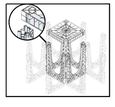
ROOTSPACE® SYSTEM ASSEMBLY INSTRUCTIONS

(See the RootSpace® Installation & Maintenance Manual for complete details.)



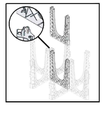
Joining the Uprights

Align the lower tab into the slot and push the the Upright straight down until both tabs are locked into position.



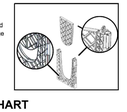
Installing the AirFlow™ Top Deck

Locate the AirFlow™ Top Deck on the top tabs and press down until it clicks into place.



Joining two Uprights vertically for a multi-layer system

Align the Upright on the top tabs and press down until it clicks in place. Continue joining the Uprights across the bee layer. The base layer must be completed before installing the second layer.



Installing the Side Infill Panel (optional)

Align the Side Infill Panel the male and female guides and slide the panel down. Ensure that the panel pins engage and click in place.

ROOTSPACE® PAVEMENT LOAD CAPACITY CHART

Pavement Design[1]	Pavement Thickness (H)	Meets or exceeds the AASHTO[2] Design Requirements				Maximum Load Capacity - Single[6] Wheel Axle[3]		Maximum Load Capacity - Dual Wheel[6] Axle[3]	
		AASHTO[2] H-20 Axle load: 8,000-16,000 Wheel load: 4,000 – 8,000	AASHTO[2] HS-20 Axle load: 8,000-32,000 Wheel load: 4,000 – 16,000	AASHTO[2] H-25 Axle load: 10,000 – 20,000 Wheel load: 5,000 – 10,000	AASHTO[2] HS-25 Axle load: 10,000 – 32,000 Wheel load: 5,000 – 16,000	Wheel	Axle	Wheel	Axle
2.375" Interlocking Pavingstone 1" Sand Base 4" Compacted Aggregate	7.375"	✓	✓	✗	✗	10,430 lbs	20,860 lbs	15,990 lbs	31,980 lbs
2.375" Interlocking Pavingstone 1" Sand Base 4" Unreinforced Concrete	7.375"	✓	✓	✓	✓	15,315 lbs	30,630 lbs	22,050 lbs	44,100 lbs
3.125" Interlocking Pavingstone 1" Sand Base 10" Compacted Aggregate	14.125"	✓	✓	✓	✓	23,460 lbs	46,920 lbs	31,755 lbs	63,530 lbs
4" Asphalt 13" Compacted Aggregate	16"	✓	✓	✓	✓	26,445 lbs	52,890 lbs	35,260 lbs	70,520 lbs
4" Unreinforced Concrete 4" Compacted Aggregate	8"	✓	✓	✓	✓	14,330 lbs	28,660 lbs	20,650 lbs	41,700 lbs
6" Unreinforced Concrete 4" Compacted Aggregate	10"	✓	✓	✓	✓	19,940 lbs	39,880 lbs	27,610 lbs	55,220 lbs
6" Reinforced Concrete 4" Compacted Aggregate	10"	✓	✓	✓	✓	30,205 lbs	60,410 lbs	39,645 lbs	79,290 lbs

1. It is the responsibility of the designer to ensure that the paving material meets the intended design wheel load.
2. AASHTO Guide for Design of Pavement Structures, H-20/HS-20 and H-25/HS-25 wheel/axle load design requirements.
3. Maximum load rating includes the weight of the pavement material and a 1.5 safety factor.
4. AASHTO Single Wheel Contact Area: 10" x 10" or 100 square inches
6. AASHTO Dual Wheels Contact Area: 10" x 20" or 200 square inches

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Establishing the Future of Urban Forestry
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(865) 202-2743
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ARBORSYSTEM® 1000-48
URBAN TREE PLANTING PACKAGE

INSTALLATION INSTRUCTIONS

No.	DATE	REVISION

DATE:
JULY 1, 2022
DRAWN BY:
CHECKED BY:
SHEET NO.
SC-1

CONFLUENCE
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(312) 432-4180

Revision Schedule

No.	Date	Description

KOLLER POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

CIVIL DETAILS

C704

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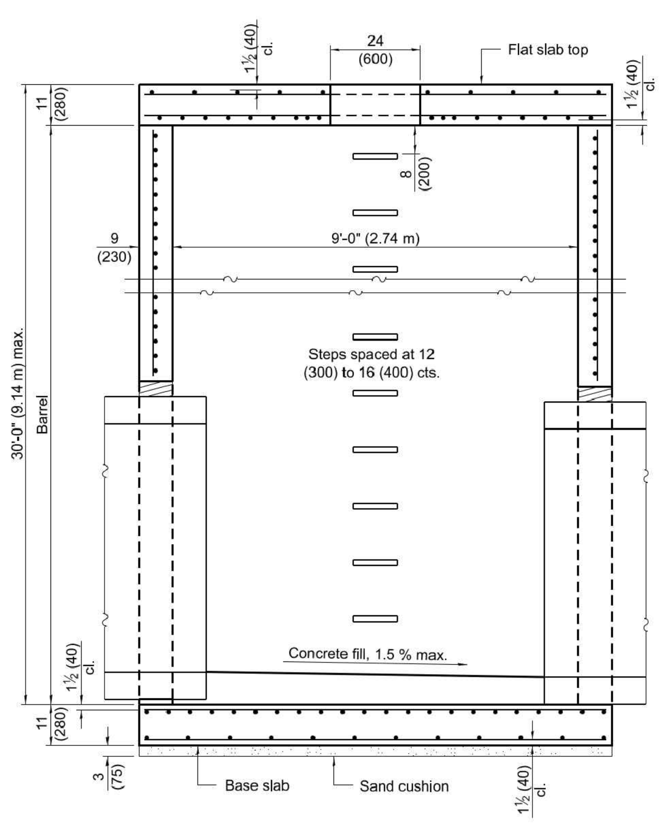
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS PLOTTED SCALE.

THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE LETTERS, PRINTED CORRECTLY.

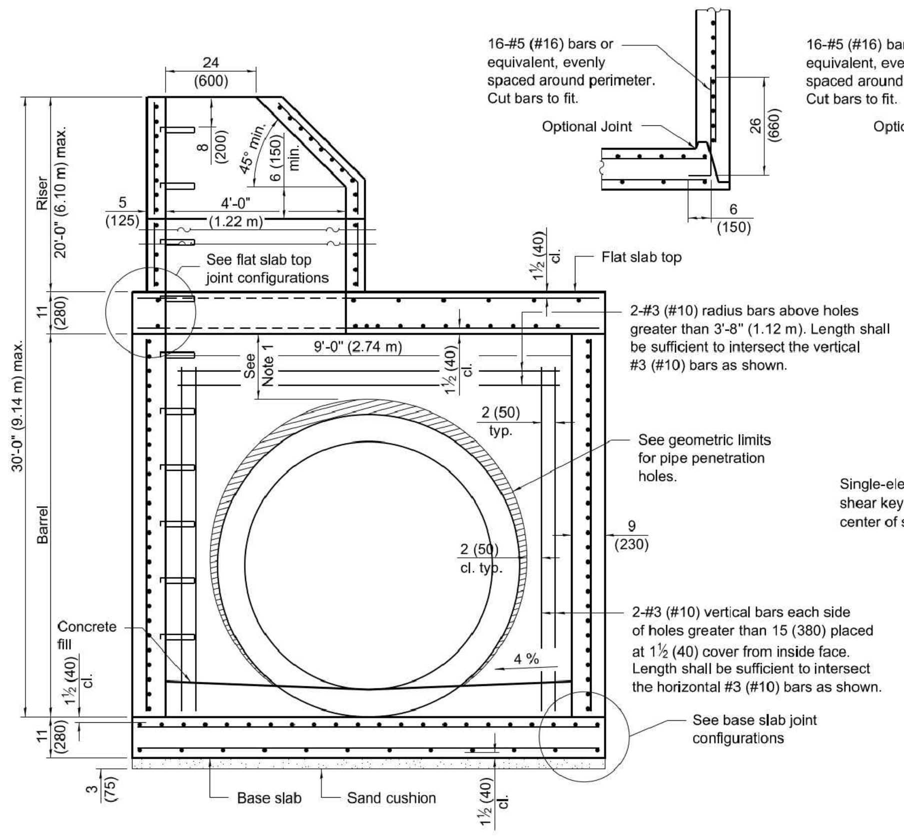
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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEET'S ORIGINAL PAGE SIZE

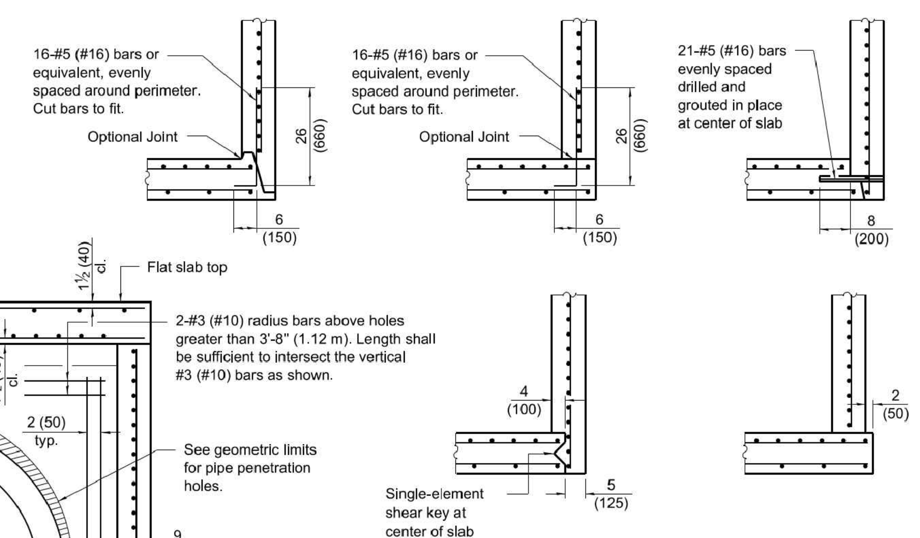
THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECTLY



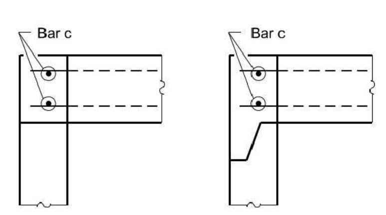
SECTION PARALLEL TO PIPE
(Without conical top riser)



SECTION PERPENDICULAR TO PIPE
(With conical top riser)



BASE SLAB JOINT CONFIGURATIONS



FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)

GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

Note 1: A minimum of 12 (300) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 3'-8" (1.12 m).

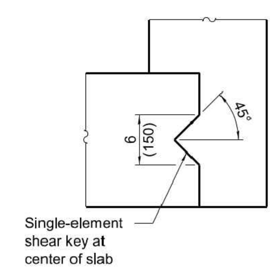
Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).

Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.

Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.

Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).

Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.



SHEAR KEY GEOMETRY
(Reinforcement not shown for clarity)

GENERAL NOTES

Pipe holes shall be formed to facilitate proper placement of hole reinforcement.

The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

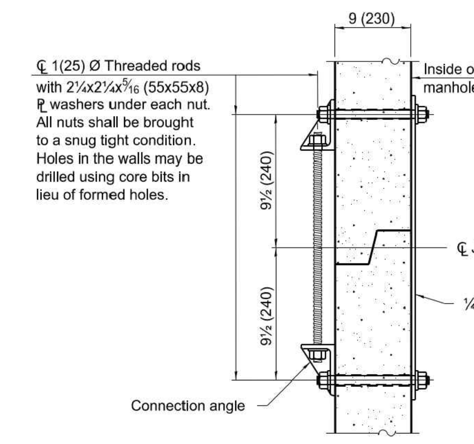
See Standard 602701 for details of manhole steps.

All dimensions are in inches (millimeters) unless otherwise noted.

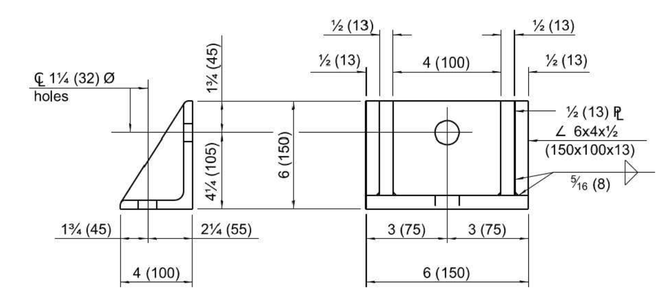
Illinois Department of Transportation
APPROVED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 4-1-06

DATE	REVISIONS
1-1-21	Revised Note 1 and lifting hole
	general note.
3-1-19	Moved wall reinforcement from
	inside face to middle.

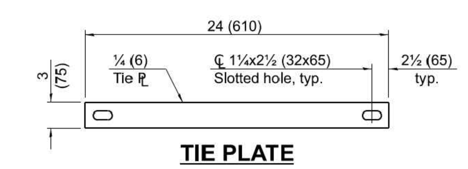
PRECAST MANHOLE TYPE A 9' (2.74 m) DIAMETER
(Sheet 1 of 3)
STANDARD 602421-09



JOINT SPLICE



CONNECTION ANGLE



TIE PLATE

FLAT SLAB TOP REINFORCEMENT

Location	Riser Height (RH)	WWR (each direction) A_s(min.)	WWR (each direction) Spacing (max.)	Rebar (each direction except as noted) A_s(min.)	Rebar Spacing (max.)	Rebar Bar Size
Top Mat	All	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	#3 or #4 (#10) (#13)
Bottom Mat	RH ≤ 10 ft. (3.05 m)	** 0.88 sq. in./ft. (1863 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size		#6 (#19)
	RH > 10 ft. (3.05 m)	WWR not permitted				#8 (#25)

** Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

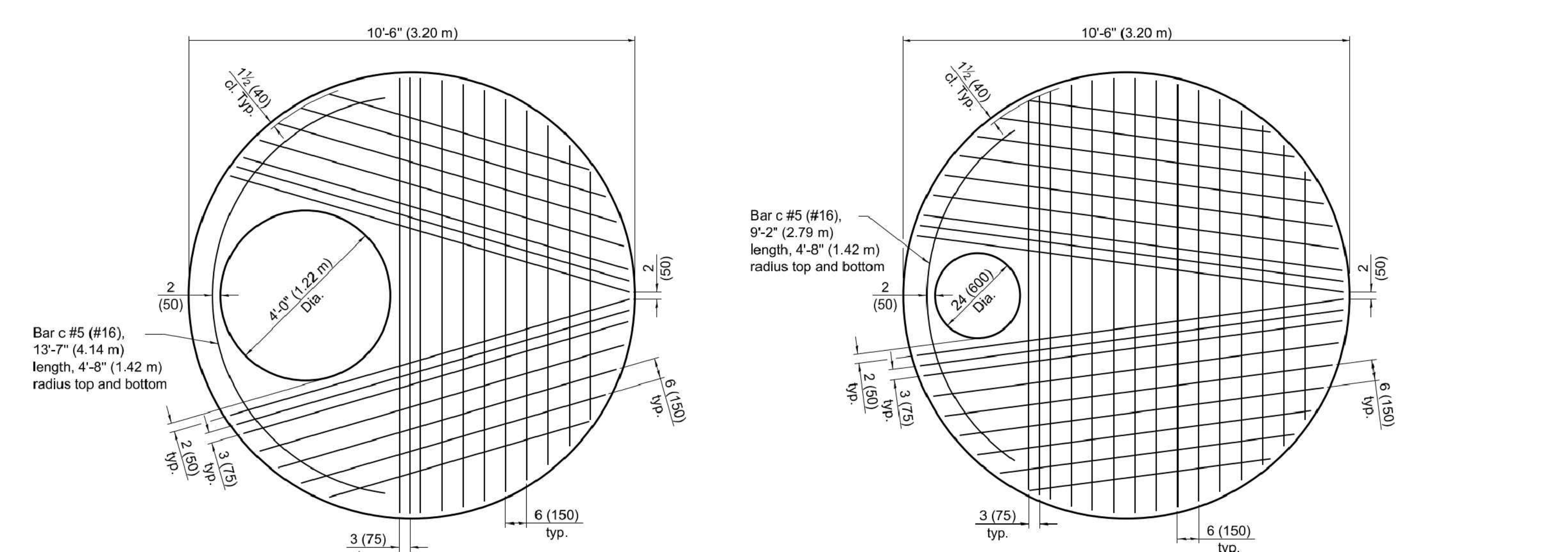
Location	Orientation	WWR or Rebar A_s(min.)	WWR or Rebar Spacing (max.)
4 ft. (1.22 m) Ø Riser	Circumferential	0.12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)
9 ft. (2.74 m) Ø Barrel	Circumferential	0.27 sq. in./ft. (572 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)

BASE SLAB REINFORCEMENT

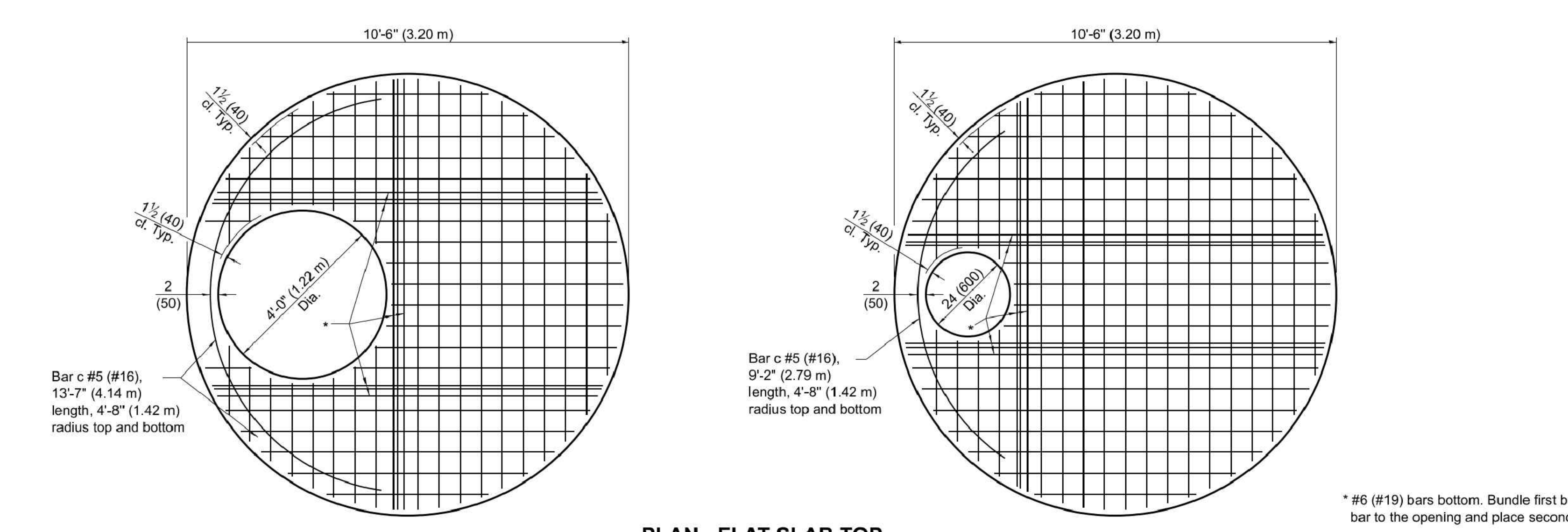
Location	Riser Height (RH)/ Total Height (TH)	WWR or Rebar (each direction) A_s(min.)	WWR or Rebar Spacing (max.)
Top Mat	RH ≤ 10 ft. (3.05 m) & TH ≤ 20 ft. (6.10 m)	0.44 sq. in./ft. (931 sq. mm/m)	6 (150)
	RH > 10 ft. (3.05 m) or TH > 20 ft. (6.10 m)	0.72 sq. in./ft. (1524 sq. mm/m)	6 (150)
Bottom Mat	All	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)

Illinois Department of Transportation
APPROVED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 4-1-06

PRECAST MANHOLE TYPE A 9' (2.74 m) DIAMETER
(Sheet 3 of 3)
STANDARD 602421-09



PLAN - FLAT SLAB TOP
(Showing layout of bottom reinforcement bars and c bars)



PLAN - FLAT SLAB TOP
(Showing layout of welded wire reinforcement and c bars)
WWR not permitted for riser heights > 10' (3.05 m).

* #6 (#19) bars bottom. Bundle first bar with closest WWR bar to the opening and place second bar ±3 (75) away.

Illinois Department of Transportation
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APPROVED January 1, 2021
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PRECAST MANHOLE TYPE A 9' (2.74 m) DIAMETER
(Sheet 2 of 3)
STANDARD 602421-09

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CHICAGO, IL 60642
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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

CIVIL DETAILS

C705

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LIGHTING SYMBOLS

SURFACE	RECESSED OR INGRADE	PENDANT	WALL	SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE DESCRIPTION, SIZES, LAMP TYPES, AND MOUNTING
▭	▭	▭	▭	TROFFER
○	◎	⊗	⊢○	CIRCULAR DOWNLIGHT OR UPLIGHT
□	▣	⊠	⊢□	SQUARE DOWNLIGHT OR UPLIGHT
○→	◎→	⊗→		CIRCULAR ADJUSTABLE DOWNLIGHT OR UPLIGHT
□→	▣→	⊠→		SQUARE ADJUSTABLE DOWNLIGHT OR UPLIGHT
◐⊳	◎⊳	⊗⊳		CIRCULAR WALL WASHER
□⊳	▣⊳	⊠⊳		SQUARE WALL WASHER
▭	▭	▭	▭	STRIP LIGHT

F1
LP-##
XX(a)

LIGHTING FIXTURE TAGGING

SUBSCRIPT(S) INDICATES THE FOLLOWING:

"(a)"	SWITCH CONTROL ZONE DESIGNATION
"F1"	FIXTURE TYPE. REFER TO LIGHTING FIXTURE SCHEDULE
"LP"	LIGHTING PANEL
"XX"	CIRCUIT NUMBER(S)
"##"	PANEL NUMBER

CATENARY LIGHTING WITH POLE MOUNT

SMALL PROFILE LINEAR LED LIGHT

INGRADE LINEAR FIXTURE

SITE LIGHTING SYMBOLS

POST TOP, POLE MOUNTED FIXTURE

BOLLARD FIXTURE

MH MANHOLE

HH HANDHOLE

LIGHTING CONTROL SYMBOLS

$ XXa

LOW VOLTAGE LIGHT SWITCH

SUBSCRIPT(S) INDICATES THE FOLLOWING:

"a"	CONTROL ZONE DESIGNATION
"K"	WALL MOUNTED KEY OPERATED
"MS-X"	WALL MOUNTED NETWORK MASTER
"WP"	WALL MOUNTED WEATHERPROOF
"XX"	CIRCUIT NUMBER

PC XXa

PHOTOCELL

SUBSCRIPT(S) INDICATES THE FOLLOWING:

"a"	CONTROL ZONE DESIGNATION
"L"	LONG RANGE
"XX"	CIRCUIT NUMBER

LOW VOLTAGE LIGHTING CONTROL CABINET

SUBSCRIPT(S) INDICATES THE FOLLOWING:

"LCP"	LIGHTING CONTROL PANEL (DISTRIBUTED OR CENTRALIZED NETWORK DIMMING)

POWER SYMBOLS

ABOVE COUNTER	WALL MOUNTED	POKE-THROUGH	FLOOR BOX	CEILING MOUNTED	SUBSCRIPT INDICATES THE FOLLOWING:
					"AC" MOUNTED 6" ABOVE COUNTER "AV" AUDIO/VISUAL COMPUTER GRADE "CR" CHILD RESISTANT (SAFETY TYPE) "EM" FED BY EMERGENCY CIRCUIT "EP" EXPLOSION PROOF "EWC" ELECTRIC WATER COOLER "GFI" GROUND FAULT CIRCUIT INTERRUPTER "IG" ISOLATED GROUND "P" POWER CONNECTION "WP" WATERPROOF COVER "#" CIRCUIT NUMBER
⊕	⊖	⊙⊖	⊖	⊖	SIMPLEX RECEPTACLE
⊕	⊖	⊙⊖	⊖	⊖	DUPLEX RECEPTACLE
	⊕	⊙⊕	⊕	⊕	DOUBLE DUPLEX RECEPTACLE
⊕	⊖	⊙⊖	⊖	⊖	DUPLEX ISOLATED GROUND RECEPTACLE
	⊕	⊙⊕	⊕	⊕	DOUBLE DUPLEX ISOLATED GROUND RECEPTACLE
	◀	⊙◀	◀	◀	SPECIAL PURPOSE RECEPTACLE – SEE SCHEDULE
⊕	⊖	⊙⊖	⊖	⊖	SPLIT WIRED DUPLEX RECEPTACLE
	J	⊙J	J	J	JUNCTION BOX
	J P	⊙J P	J P	J P	JUNCTION BOX WITH FLEXIBLE CONDUIT

C CLOCK RECEPTACLE

T LINE VOLTAGE THERMOSTAT

M MOTOR CONNECTION – SEE SCHEDULE

E ELECTRICAL EQUIPMENT CONNECTION – SEE SCHEDULE

AS NON-FUSED DISCONNECT SWITCH

AS / AF FUSED DISCONNECT SWITCH

SUBSCRIPT(S) INDICATES THE FOLLOWING:

"AS"	AMPERE RATING OF SWITCH
"AF"	AMPERE RATING OF FUSE

MAGNETIC MOTOR STARTER

COMBINATION STARTER/DISCONNECT SWITCH

VARIABLE FREQUENCY DRIVE

VARIABLE FREQUENCY DRIVE WITH INTEGRAL DISCONNECT SWITCH

CP CONTROL PANEL FURNISHED WITH EQUIPMENT

CP CONTROL PANEL FURNISHED WITH EQUIPMENT WITH INTEGRAL DISCONNECT SWITCH

$ XX / WP TOGGLE SWITCH

SUBSCRIPT(S) INDICATES THE FOLLOWING:

"K"	KEY OPERATED
"LO"	LOCK-OUT
"P"	PILOT LIGHT
"T"	THERMAL OVERLOAD
"WP"	WEATHERPROOF
"XP"	EXPLOSION PROOF
"XX"	CIRCUIT NUMBER
"2P"	DOUBLE POLE

SURFACE MOUNTED RACEWAY

(#) INDICATES NUMBER OF RECEPTACLES IN RACEWAY

INDICATES NUMBER OF DATA DEVICES IN RACEWAY

MTR / # EQUIPMENT IDENTIFICATION TAG

EQUIP MISCELLANEOUS EQUIPMENT IDENTIFICATION TAG REFER TO MISCELLANEOUS EQUIPMENT SCHEDULE

PS POWER SUPPLY

R AUXILLARY RELAY

ABBREVIATIONS

A	AMPS
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
ATS	AUTOMATIC TRANSFER SWITCH
BAS	BUILDING AUTOMATION SYSTEM
C	CONDUIT
C/B	CIRCUIT BREAKER
CATV	CABLE TELEVISION
CCT	CIRCUIT
CCTV	CLOSED CIRCUIT TELEVISION
CP	CONTROL PANEL
CR	CHILD RESISTANT
CT	CURRENT TRANSFORMER
CU	COPPER
DS	DISCONNECT SWITCH
ELEC	ELECTRIC, ELECTRICAL
EM	EMERGENCY
EQUIP	EQUIPMENT
E	EXISTING
FLA	FULL LOAD AMPS
FU	FUSE
GFI	GROUND FAULT INTERRUPTER
GRD	GROUND
HP	HORSEPOWER
Hz	HERTZ
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED GROUND
KVA	KILO-VOLT AMP
KW	KILOWATT
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDF	MAIN DISTRIBUTION FRAME
MECH	MECHANICAL
MIN	MINIMUM
MLO	MAIN LUG ONLY
MOCP	MAIN OVERCURRENT PROTECTION
MTD	MOUNTED
N	NEUTRAL
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PLUMB	PLUMBING
PRI	PRIMARY
QTY	QUANTITY
RGS	RIGID GALVANIZED STEEL
SEC	SECONDARY
SPD	SURGE PROTECTION DEVICE
SPEC	SPECIFICATIONS
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TYP	TYPICAL
UL	UNDERWRITER LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VA	VOLTS/AMPS
W	WATTS
WG	WIRE GUARD
WP	WEATHERPROOF
WR	WITHSTAND RATING
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

RISER SYMBOLS

A CIRCUIT BREAKER
"____ A" INDICATES TRIP RATING/SETTING (AMPS)

A / A FUSIBLE SWITCH
"____ A" INDICATES DISCONNECT TRIP RATING AND FUSE SIZE, RESPECTIVELY (AMPS)

ATS AUTOMATIC TRANSFER SWITCH

GROUND

TRANSFORMER

GFR GROUND FAULT PROTECTIVE RELAY

G GENERATOR

SPD SURGE PROTECTION DEVICE

CT / M ELECTRIC UTILITY METER (CURRENT TRANSFORMER TYPE)

4-50 FEEDER SIZE TAG – REFER TO FEEDER SCHEDULE

PANELBOARD SYMBOLS

PLAN SYMBOL

SWITCHGEAR, SWITCHBOARD OR MOTOR CONTROL CENTER, DASHED LINES INDICATE FUTURE SECTIONS, DOUBLE LINE INDICATES FRONT

SURFACE MOUNTED DISTRIBUTION PANELBOARD

SURFACE MOUNTED PANELBOARD

RECESSED MOUNTED PANELBOARD

LIFE SAFETY/EMERGENCY PANELBOARD

RACEWAYS & WIRING

CONDUIT HOMERUN
PHASE
NEUTRAL
GROUND

CONDUIT – SURFACE MOUNTED OR CONCEALED

CONDUIT UNDERFLOOR OR UNDERGROUND

CONDUIT TURNED UP

CONDUIT TURNED DOWN

FLEXIBLE CONDUIT

J JUNCTION BOX

J JUNCTION BOX – WALL MOUNTED

J JUNCTION BOX UNDER FLOOR

PB PULLBOX

GENERAL NOTES

1. ALL ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELATED DOCUMENTS AND PROJECT SPECIFICATIONS TO ENSURE THOROUGH UNDERSTANDING OF PROJECT SCOPE.
2. CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT SPECIFICATIONS BEFORE COMMENCING ANY TYPE OF WORK. THE PROJECT SPECIFICATIONS AND DRAWINGS FORM THE BASIS OF THE CONTRACT REQUIREMENTS AND INCLUDE THE TYPE, GRADE OF MATERIALS, EQUIPMENT TO BE FURNISHED, MANNER OF INSTALLATION, AND LOCATION. IN THE EVENT OF A CONFLICT BETWEEN THE PROJECT SPECIFICATIONS AND DRAWINGS, SPECIFICATIONS GOVERN UNLESS THE ARCHITECT/ENGINEER DIRECTS OTHERWISE.
3. THE CONTRACTOR SHALL VERIFY THAT ALL FIXTURES, OUTLETS, ALARM STATIONS, CONTROLS, AND POWER WIRING SPECIFIED IN CONSTRUCTION DOCUMENTS, DRAWINGS, AND SPECIFICATIONS ARE ACCOUNTED FOR AND INSTALLED. CONTRACTOR SHALL CONDUIT ALL TRADES FURNISHING EQUIPMENT AND OBTAIN FROM THEM ALL DATA. IN SOME CASES EQUIPMENT, FIXTURES, AND DEVICES ARE SHOWN ONLY. ASCERTAIN AND PROVIDE THE WIRING AND CONTROL STATIONS REQUIRED TO THE PROPER FUNCTION OF BUILDING EQUIPMENT.
4. BEFORE COMMENCING ANY TYPE OF WORK, ALL EQUIPMENT LABELS AND INSTALLATION INSTRUCTIONS SHALL BE THOROUGHLY READ BY INSTALLER TO ENSURE THAT THE FINAL INSTALLATION IS IN FULL ACCORDANCE TO THE MANUFACTURER'S STANDARDS. THE TEMPERATURE RATING OF THE EQUIPMENT TERMINATIONS SHALL BE CAREFULLY VERIFIED WITH THE CONDUCTOR AMPACITY TO PREVENT OVERHEATING AND PREMATURE FAILURE.
5. CONTRACTOR IS TO COORDINATE WITH OTHER TRADES AND INSTALL CONDUIT AND BOXES TO AVOID CLASHING WITH EMBEDDED DUCTS, OPENINGS AND OTHER STRUCTURAL COMPONENTS.
6. ALL LIGHTING FIXTURES ARE TO BE LOCATED AS REQUIRED ON THE JOB SITE TO AVOID CLASHING WITH DUCTS, PIPING, EQUIPMENT, AND/OR MECHANICAL UNITS.
7. CONDUIT RUNS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND SHALL RUN CONCEALED EXCEPT IN EQUIPMENT ROOMS AND WHERE APPROVED BY THE ARCHITECT.
8. FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CODE REQUIREMENTS.
9. IN AREAS WHERE COUNTERS ARE PROVIDED, CONTRACTOR IS TO COORDINATE LOCATION OF TASKLIGHTS, SWITCHES, AND WIRING WITH CASEWORK.
10. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL DEVICES WITH THE ARCHITECTURAL PLANS, INCLUDING BUT NOT LIMITED TO ARCHITECTURAL DETAILS, ELEVATIONS, AND MILLWORK/CASEWORK DETAILS.
11. ALL OUTDOOR RECEPTACLES SHALL BE WEATHERPROOF, GFCI, AND UL LISTED FOR WET LOCATIONS.
12. NO WIRING SHALL BE DONE PRIOR TO THE CONTRACTOR'S REVIEW OF THE PROJECT EQUIPMENT SHOP DRAWINGS AND COORDINATION WITH THE DESIGN DOCUMENTS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT/ENGINEER'S ATTENTION FOR FINAL RESOLUTION. WORK THAT HAS TO BE REPLACED DUE TO LACK OF PROPER SHOP DRAWINGS COORDINATION SHALL BE DONE AT CONTRACTOR'S EXPENSE.
13. ALL BRANCH CIRCUIT FEEDERS SHALL BE PROVIDED WITH SEPARATE GROUNDING CONDUCTORS.
14. ALL 1PH BRANCH CIRCUITS SHALL HAVE DEDICATED NEUTRALS.
15. UNLESS NOTED OTHERWISE, 15 AND 20 AMP 120 VOLT BRANCH CIRCUITS SHALL UTILIZE MINIMUM #12 AWG FOR CIRCUITS UP TO 75' IN LENGTH #10 AWG FOR CIRCUITS 76' TO 100' IN LENGTH, AND #8 AWG FOR CIRCUITS OVER 100' IN LENGTH. THE LENGTH OF THE CIRCUIT SHALL BE MEASURED FROM THE LAST DEVICE OR OUTLET ON THE CIRCUIT TO THE PANEL/SOURCE.
16. UNLESS NOTED OTHERWISE, LOW VOLTAGE WIRING TO BE UPSIZED SO THAT VOLTAGE DROP DOES NOT EXCEED 3%. THE LENGTH OF THE CIRCUIT SHALL BE MEASURED FROM THE LAST DEVICE ON THE CIRCUIT TO THE PANEL/SOURCE.
17. REFER TO ARCHITECT'S ELEVATION PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF DEVICES.
18. ALL CONDUIT SHALL BE ROUTED SO AS TO BE CONCEALED IN FINISHED SPACES. WHERE TO BE INSTALLED ON AN EXISTING WALL, CUT AND PATCH WALL AS REQUIRED FOR INSTALLATION OF JUNCTION BOX AND CONDUIT. SURFACE MOUNTED RACEWAY WILL NOT BE PERMITTED UNLESS APPROVED BY OWNER AND ARCHITECT.
19. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND LOCATIONS PRIOR TO START OF WORK.

THE LINE SHOWN ABOVE IS 1" WHEN PRINTED ON ARCH D SHEETS ORIGINAL PAGE SIZE

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Revision Schedule

No.	Date	Description

VILLAGE OF STREAMWOOD EST. 1957

KOLLAR POND - PHASE 1

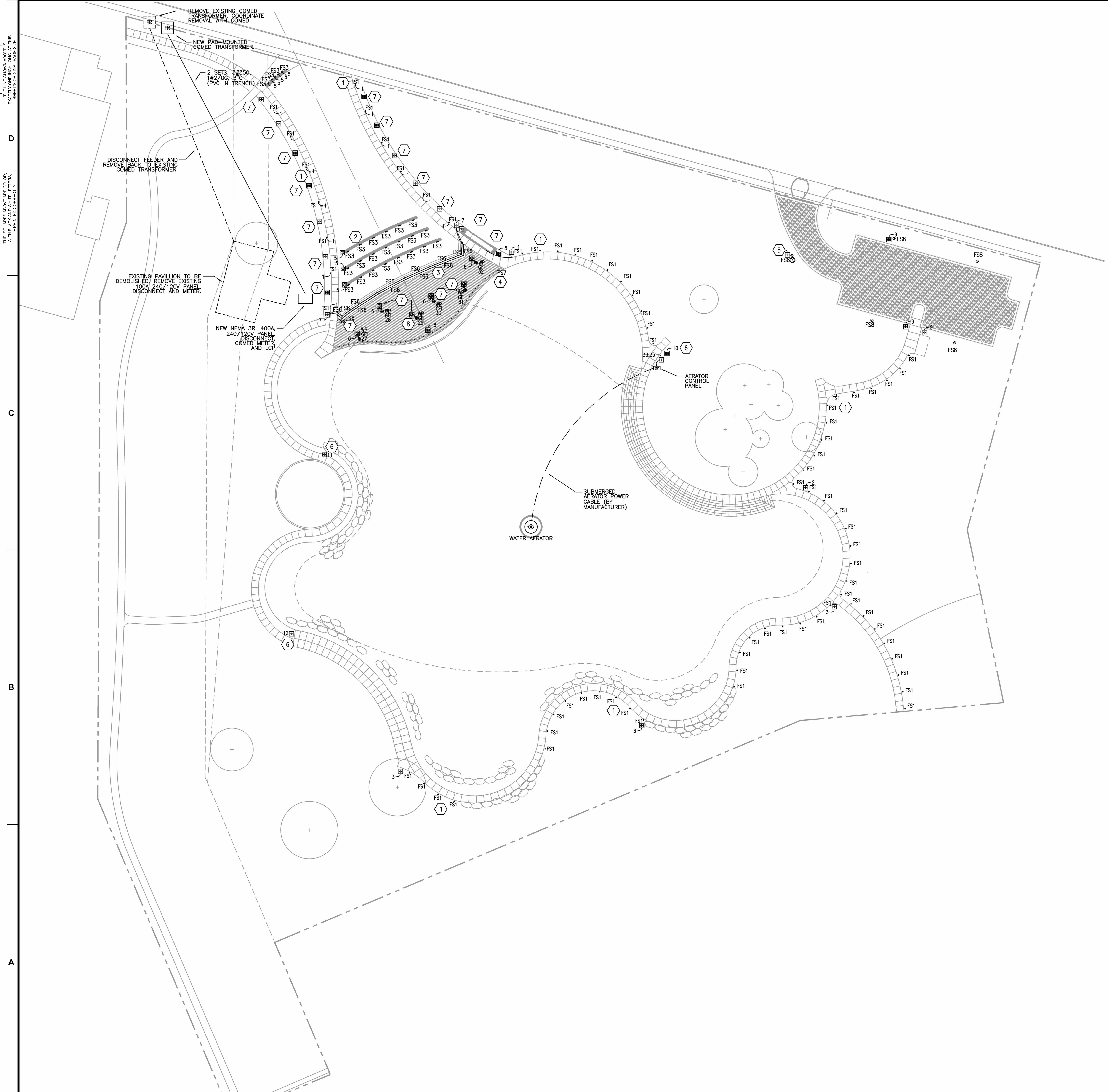
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

ELECTRICAL GENERAL NOTES

E000

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KEY NOTES

1. FS1: PATHWAY BOLLARD
2. FS3: DIRECT VIEW 2FT LINEAR LIGHT MOUNTED IN GRADE.
3. FS6: FLEXIBLE LIGHT REGRESSED INTO DECK STAIRS
4. FS7: RECESSED HANDRAIL LIGHTING, QTY: 40
5. FS8: PARKING LOT LIGHTING, POLE TO BE SET BACK 4FT FROM CURB EDGE
6. CONTRACTOR TO PROVIDE POWER FEED AND LIGHTING CONTROLS EXPANSION AGGREGATE FOR FUTURE HANDRAIL LIGHTING ON BRIDGES
7. WITHIN THE SCOPE OF WORK FOR PHASE 1, CONTRACTOR TO PROVIDE FOUNDATIONS, CONDUIT RUNS, HAND HOLES, POWER FEED, LIGHTING CONTROLS EXPANSION AGGREGATE, AND ALL INFRASTRUCTURE AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM TO BE ABLE TO FINALIZE CONNECTIONS FOR EQUIPMENT WHICH IS GOING TO BE INSTALLED IN PHASE 2. THE CONTRACTOR IS REQUIRED TO ROUTE/SIZE ALL CONDUIT AND CONDUCTORS AND LOCATE AND SIZE HANDHOLES.
8. CONTRACTOR TO ACCOUNT FOR ADDED CONTINGENCY FOR PRICING BASED ON THE FINAL CIVIL, ARCHITECTURAL, AND LANDSCAPING PLANS.

GENERAL LIGHTING NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ALL FIXTURE TYPES.
2. FOR RECESSED INGRADE EXTERIOR FIXTURES, CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE MANUFACTURER'S INSTALLATION INSTRUCTIONS TO INCLUDE PROPER DRAINAGE.
3. REFER TO SPECIFICATIONS FOR ADDITIONAL LIGHTING FIXTURE REQUIREMENTS.
4. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF FLANGE TYPES, FITTINGS, AND HARDWARE REQUIRED TO INSTALL LIGHTING FIXTURES INTO VARIOUS CONSTRUCTION MATERIALS (AS SPECIFIED ON ARCHITECTURAL AND CIVIL PLANS) AS REQUIRED.
5. ALL DIMENSIONS LISTED ABOVE ARE NOMINAL SIZES. SLIGHT VARIATIONS IN SHAPE OR SIZE WILL BE CONSIDERED BASED ON THE PROJECT REQUIREMENTS.
6. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT/ORIENTATION, MATERIAL TYPES, AND OTHER SURFACE CONSTRUCTION MATERIALS.
7. THE FINAL FIXTURE HOUSING AND REFLECTOR FINISH AND COLOR SHALL BE SELECTED BY ARCHITECT.
8. ALL FIXTURES SHALL BE UL LISTED FOR WET LOCATION. PROVIDE DRIVERS, AND ALL NECESSARY ENCLOSURES, RATED FOR THE ENVIRONMENT. DRIVERS TO BE RATED FOR BOTH LOW AND HIGH TEMPERATURES FOR BOTH STARTUP AND RUNNING.
9. WHERE DIMMING OR INTEGRAL FIXTURE CONTROLS ARE SPECIFIED, COMPATIBILITY OF FIXTURE AND CONTROLS COMPONENTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING OF EITHER SYSTEM.
10. ALL LIGHT FIXTURES AND CONTROL DEVICES SHALL BE INSTALLED IN LOCATIONS THAT MAINTAIN SAFE WORKING CLEARANCES FROM ALL ELECTRICAL EQUIPMENT AND ASSOCIATED ELECTRICAL MATERIAL (PRIMARY/SECONDARY CABLE AND SUPPORTS).
11. CONTRACTOR TO PROVIDE PROVISIONS FOR DATA DROPS FOR THE LIGHTING CONTROL PANELS. COORDINATE INSTALLATION DETAILS FOR DATA DROPS WITH ELECTRICAL ENGINEER. ASSUME THE LIGHTING CONTROL PANELS TO BE LOCATED BY THE NORMAL POWER LIGHTING PANEL FEEDING THAT AREA.
12. CONTRACTOR TO ACCOUNT FOR UNDERGROUND UTILITIES, PROVIDING A MINIMUM OF 5FT CLEARANCE FROM ALL SERVICES RUNNING NEAR FOUNDATIONS, CONDUIT RUNS, MANHOLES, AND HANDHOLES.

NORTH

0' 20' 40' 120'
SCALE: 1" = 40'

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Revision Schedule

No.	Date	Description

VILLAGE OF STREAMWOOD EST. 1957

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

ELECTRICAL SITE PLAN
PHASE 1

E200

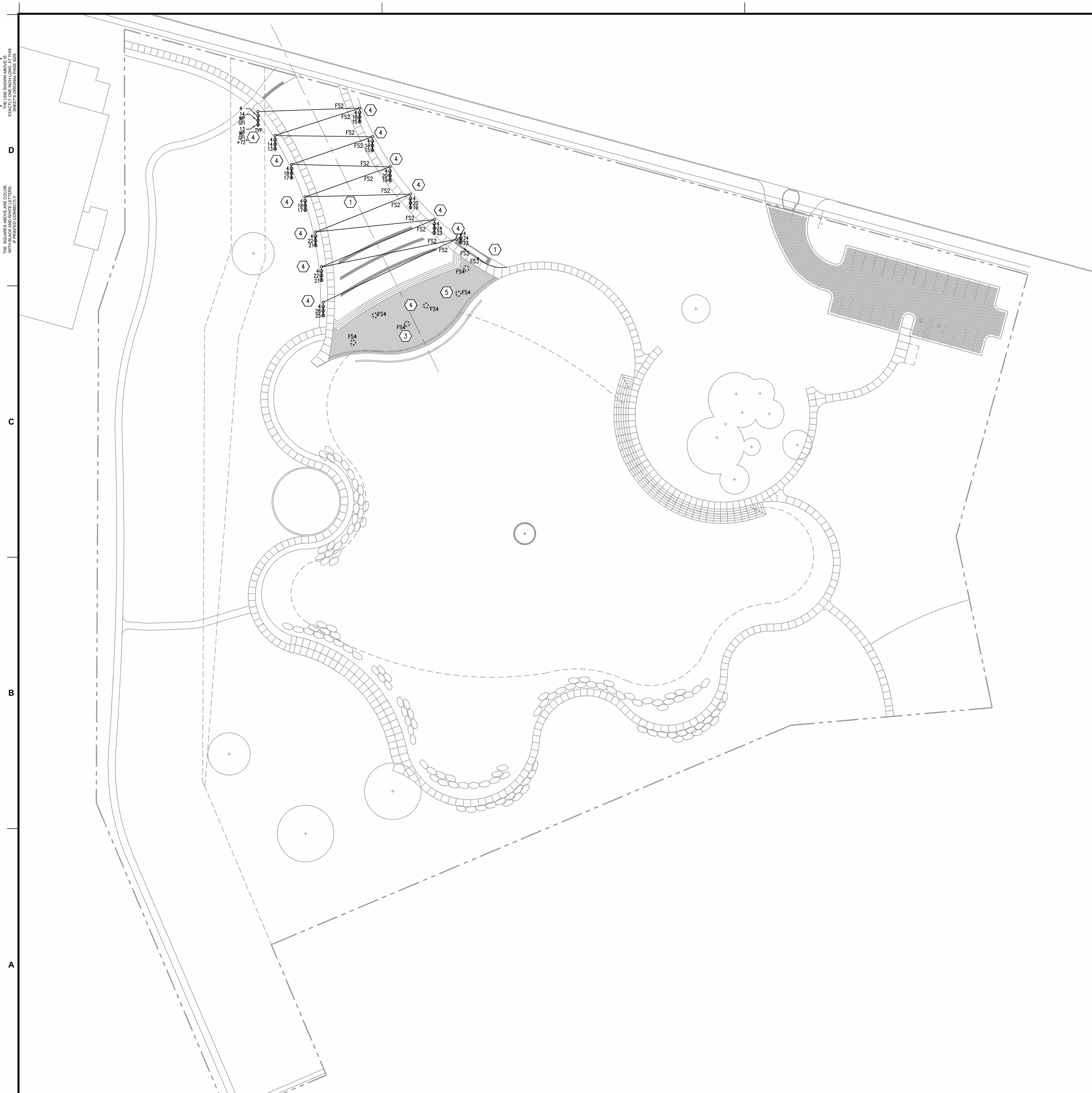
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KEY NOTES

1. FS2: FESTOON CATENARY LIGHTING MOUNTED TO METAL POLES
2. FS3: DIRECT VIEW 2FT LINEAR LIGHT MOUNTED IN GRADE.
3. FS4: CANOPY ACCENT INGRADE LIGHT, 5 PER COLUMN
4. WITHIN THE SCOPE OF WORK FOR PHASE 2, CONTRACTOR TO INSTALL EQUIPMENT TO FOUNDATIONS, CONDUIT RUNS, HAND HOLES, POWER FEED, LIGHTING CONTROLS EXPANSION AGGREGATE, AND ALL INFRASTRUCTURE AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM THAT WAS INSTALLED DURING PHASE 1.
5. CONTRACTOR TO ACCOUNT FOR ADDED CONTINGENCY FOR PRICING BASED ON THE FINAL CIVIL, ARCHITECTURAL, AND LANDSCAPING PLANS.

GENERAL LIGHTING NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ALL FIXTURE TYPES.
2. FOR RECESSED INGRADE EXTERIOR FIXTURES, CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE MANUFACTURER'S INSTALLATION INSTRUCTIONS TO INCLUDE PROPER DRAINAGE.
3. REFER TO SPECIFICATIONS FOR ADDITIONAL LIGHTING FIXTURE REQUIREMENTS.
4. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF FLANGE TYPES, FITTINGS, AND HARDWARE REQUIRED TO INSTALL LIGHTING FIXTURES INTO VARIOUS CONSTRUCTION MATERIALS (AS SPECIFIED ON ARCHITECTURAL AND CIVIL PLANS) AS REQUIRED.
5. ALL DIMENSIONS LISTED ABOVE ARE NOMINAL SIZES. SLIGHT VARIATIONS IN SHAPE OR SIZE WILL BE CONSIDERED BASED ON THE PROJECT REQUIREMENTS.
6. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT/ORIENTATION, MATERIAL TYPES, AND OTHER SURFACE CONSTRUCTION MATERIALS.
7. THE FINAL FIXTURE HOUSING AND REFLECTOR FINISH AND COLOR SHALL BE SELECTED BY ARCHITECT.
8. ALL FIXTURES SHALL BE UL LISTED FOR WET LOCATION. PROVIDE DRIVERS, AND ALL NECESSARY ENCLOSURES, RATED FOR THE ENVIRONMENT. DRIVERS TO BE RATED FOR BOTH LOW AND HIGH TEMPERATURES FOR BOTH STARTUP AND RUNNING.
9. WHERE DIMMING OR INTEGRAL FIXTURE CONTROLS ARE SPECIFIED, COMPATIBILITY OF FIXTURE AND CONTROLS COMPONENTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING OF EITHER SYSTEM.
10. ALL LIGHT FIXTURES AND CONTROL DEVICES SHALL BE INSTALLED IN LOCATIONS THAT MAINTAIN SAFE WORKING CLEARANCES FROM ALL ELECTRICAL EQUIPMENT AND ASSOCIATED ELECTRICAL MATERIAL (PRIMARY/SECONDARY CABLE AND SUPPORTS).
11. CONTRACTOR TO PROVIDE PROVISIONS FOR DATA DROPS FOR THE LIGHTING CONTROL PANELS. COORDINATE INSTALLATION DETAILS FOR DATA DROPS WITH ELECTRICAL ENGINEER. ASSUME THE LIGHTING CONTROL PANELS TO BE LOCATED BY THE NORMAL POWER LIGHTING PANEL FEEDING THAT AREA.
12. CONTRACTOR TO ACCOUNT FOR UNDERGROUND UTILITIES, PROVIDING A MINIMUM OF 5FT CLEARANCE FROM ALL SERVICES RUNNING NEAR FOUNDATIONS, CONDUIT RUNS, MANHOLES, AND HANDHOLES.

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Revision Schedule

No.	Date	Description

VILLAGE OF STREAMWOOD EST. 1957

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

ELECTRICAL SITE PLAN
PHASE 2

E200

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LIGHTING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	DIMMING TYPE	LAMP TYPE	CCT	CRI	BUG RATING	VOLTAGE	WATTAGE	LUMENS	MOUNTING	COMMENTS
FS1	ASYMMETRIC GEOMETRIC BOLLARD UL LISTED IP 66 RATED	STERNBERG LIGHTING	AT360-06L-30-TA-MDL04-SV1-BKT	0-10V	LED	30K	80	B:0 U:0 G:0	120V	42W	750	BOLLARD	
FS3	DIRECT VIEW NOMINAL 2FT INGRADE LED LINEAR FIXTURE, UL LISTED, IP 68 AND IK 10 RATED WITH ANTI-SLIP LENS, WITH PROPER DRAINAGE PROVIDED	LUMENPULSE	LOID-120/277-24-35K-DIM-ASL	0-10V	LED	35K	80	N/A	120V	10W	400	INGRADE	CONTRACTOR TO ENSURE PROPER DRAINAGE IS PROVIDED TO AVOID WATER LOGGING. FIXTURES TO BE INSTALLED LEVEL, NOT TILTED IN ANY WAY.
FS6	SMALL PROFILE POOL RATED VERTICAL BENDING LED LINEAR LIGHT. UL 676 AND IP 68 RATED. POOL RATED REMOTE DRIVER LOCATED IN ACCESS PANEL ON DECK.	LUMINII	KBL-PL-VB-XX-33MO-35K-F-(MC-KBL-BANP-3D-SM-39-BK)-(LSVP-WET)-(LSVP-WET-CM)-WH-IMB-XX DRIVER: PS-UNI-PR-96-24	0-10V	LED	35K	80	N/A	120V	3.7W/FT	180/FT	SURFACE CLIP INTO REGRESS NOTCH	REFER TO ARCHITECTURAL DETAILS FOR MOUNTING SPECIFICS. CONTRACTOR MUST PROVIDE SHOP DRAWINGS OF LUMINAIRE AND REMOTE DRIVER LOCATIONS. CONTRACTOR TO PROVIDE NEMA TYPE 6P ENCLOSURE FOR REMOTE DRIVERS. REFER TO ARCHITECTURAL PLANS FOR ACCESS POINTS FOR REMOTE DRIVERS.
FS7	SMALL PROFILE DISCRETE RECESSED ASYMMETRIC HANDRAIL PUCK LIGHT. UL LISTED, IP 66 , IK10, AND WET LOCATION RATED. REMOTE DRIVERS TO BE LOCATED AT THE END OF HAND RAILS IN WET RATED NEMA ENCLOSURE	KLIK	LPSQ-35K-A-12-TP-700-BLK LPO96WPRITRNDIM LPNEMA6PTRO	0-10V	LED	35K	81	N/A	120V	2.6W/MODULE	152/MODULE	RECESSED INTO HANDRAIL	REFER TO ARCHITECTURAL DETAILS FOR MOUNTING SPECIFICS. CONTRACTOR MUST PROVIDE SHOP DRAWINGS OF LUMINAIRE AND REMOTE DRIVER LOCATIONS. CONTRACTOR TO PROVIDE NEMA TYPE 6P ENCLOSURE FOR REMOTE DRIVERS. REFER TO ARCHITECTURAL PLANS FOR ACCESS POINTS FOR REMOTE DRIVERS.
FS8	MODERN POST TOP AREA LIGHT WITH 18FT POLE FOR PARKING LOT AND CAR ENTRANCE. TYPE 3 DISTROBUTION WITH BACKLIGHT SHIELD, UL LISTED, IP 66 RATED, DARK SKY COMPLIANT	LUMENPULSE	LIGHTING: RS35-277-CSL-M80-30K-CRI 80-3BLS-BKTX-DIM-XX-TN4 POLE: PL-S-6-STL-R-18-H-BKTX-WL-TN4-DRG-AB	0-10V	LED	30K	80	N/A	120V	64W	3900	POST TOP ON POLE	REFER TO ARCHITECTURAL DETAILS FOR MOUNTING SPECIFICS. CONTRACTOR MUST PROVIDE SHOP DRAWINGS OF LUMINAIRE AND REMOTE DRIVER LOCATIONS

LIGHTING FIXTURE SCHEDULE NOTES

1. REFER TO SPECIFICATIONS FOR ADDITIONAL LIGHTING FIXTURE REQUIREMENTS.
2. CONTRACTOR RESPONSIBLE FOR COORDINATION OF FITTINGS AND HARDWARE REQUIRED TO INSTALL LIGHTING FIXTURES INTO CONSTRUCTION MATERIALS (AS SPECIFIED IN ARCHITECTURAL PLANS) AS REQUIRED.
3. ALL DIMENSIONS LISTED ABOVE ARE NOMINAL SIZES. SLIGHT VARIATIONS IN SHAPE OR SIZE WILL BE CONSIDERED BASED ON THE PROJECT REQUIREMENTS.
4. REFER TO CIVIL PLANS FOR OTHER SURFACE CONSTRUCTION MATERIALS.
5. THE FINAL FIXTURE HOUSING AND REFLECTOR FINISH AND COLOR SHALL BE SELECTED BY ARCHITECT.
6. ALL FIXTURES SHALL BE UL AND NRTL LISTED. ALL DAMP AND WET LOCATION UL REQUIREMENTS ARE LISTED IN THE FIXTURE DESCRIPTION.
7. WHERE DIMMING OR INTEGRAL FIXTURE CONTROLS ARE SPECIFIED, COMPATIBILITY OF FIXTURE AND CONTROLS COMPONENTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING OF EITHER SYSTEM.

LIGHTING CONTROLS MATRIX

FIXTURES AFFECTED	SEQUENCE OF OPERATIONS
FS1/FS3/FS6/FS7/FS8	LIGHTING TO BE CONTROLLED VIA PHOTOCELL AND TIMECLOCK. LIGHTS SHALL BE AUTOMATICALLY TURNED OFF WHEN DAYLIGHT IS PRESENT, SUFFICIENT, AND SATISFIES THE LIGHTING NEEDS. LIGHTING TO BE CONTROLLED BASED ON A TIMECLOCK SCHEDULE PROVIDED BY THE OWNER. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE TIMECLOCK SETTINGS PRIOR TO PROCUREMENT.

LIGHTING CONTROL NOTES

1. LIGHTING CONTROL SYSTEMS LISTED OUTLINES BASIC REQUIREMENTS ONLY. CONTRACTOR SHALL REVIEW WITH LIGHTING CONTROL SYSTEM'S MANUFACTURER ALL COMPONENTS AND ACCESSORIES REQUIRED TO PROVIDE A COMPLETE AND FULLY OPERATIONAL SYSTEM, ALONG WITH SYSTEM START-UP AND TRAINING BY THE MANUFACTURER. PROGRAMMING START-UP TO BE DONE IN PRESENCE OF OWNER AND LIGHTING DESIGNER. CONTRACTOR MUST CONFIRM TIMECLOCK SETTINGS AND HOURS OF OPERATION WITH THE OWNER PRIOR TO PROGRAMMING. NLIGHT IS THE BASIS OF DESIGN.
2. THE PROJECT REQUIRES LIGHTING CONTROLS TO BE CAPABLE OF:
   - A TIME-BASED SCHEDULE INPUT,
   - 0-10V NETWORKED LIGHTING CONTROLS,
   - MULTI-SCENE CONTROLS,
   - 0-10V DIMMING FUNCTIONALITY,
3. LIGHTING TO BE CONTROLLED VIA REMOTE PHOTOCELL, TIMECLOCK, AND PASSWORD PROTECTED MULTISCENE CONTROLLER LOCATED BESIDE RELAY PANEL. CONTROLLER TO BE RATED FOR THE ENVIRONMENT. LIGHTING SHALL BE AUTOMATICALLY TURNED OFF WHEN DAYLIGHT IS PRESENT AND SATISFIES THE LIGHTING NEEDS. MULTISCENE CONTROLLER CAN OVERRIDE PRESETS FOR EVENTS TAKING PLACE IN THE PARK. SEE LIGHTING CONTROLS MATRIX FOR HOW FIXTURES ARE CONTROLLED.
4. CONTRACTOR TO PROVIDE LOW VOLTAGE NETWORKED PROGRAMMABLE CONTROLS TO ALL FIXTURE TYPES WHETHER OR NOT INDICATED ON DRAWINGS.
5. CONTRACTOR IS RESPONSIBLE FOR PROVIDING REQUIRED NUMBER OF POWER PACKS (NOT SHOWN ON PLANS), WITHIN THE MANUFACTURER'S RECOMMENDED DISTANCE. CONTRACTOR TO COORDINATE THE LOCATION PRIOR TO INSTALLING POWER PACKS IN ANY AREAS. POWER PACKS TO BE RATED FOR THE ENVIRONMENT THAT THEY ARE INSTALLED IN.
6. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE DESIRED TIMECLOCK SETTINGS FROM THE OWNER PRIOR TO PROCUREMENT.
7. TIMECLOCK SHALL BE CAPABLE OF RETAINING PROGRAMMING AND THE TIME SETTING DURING LOSS OF POWER FOR A PERIOD OF AT LEAST TEN HOURS.
8. CONTRACTOR IS RESPONSIBLE FOR ENSURING THE LIGHTING FIXTURE TYPES AND THE LIGHTING CONTROL SYSTEM ARE COMPATIBLE PRIOR TO ORDERING.
9. CONTROL PANELS AND ASSOCIATED SWITCH CONTROL COMPONENTS ARE TO BE SUPPLIED FROM A SINGLE MANUFACTURER AND PLATFORM. REFER TO SPECIFICATIONS.
10. NO WIRELESS CONTROLS SHALL BE UTILIZED UNLESS SPECIFICALLY REQUESTED BY OWNER AND APPROVED BY LIGHTING DESIGNER.
11. ALL SENSORY DEVICES TO BE PROGRAMMED TO DEFAULT TO FULL 'ON' IN CASE OF FAILURE.
12. CONTRACTOR TO PROVIDE WET LOCATION LISTED PHOTOCELL LOCATED ON THE PARKING LOT POLE LOCATED AT THE ENTRANCE OF THE PARKING LOT, FACING NORTH AVOIDING ANY SHADING OR OBSTRUCTIONS, AS WELL AS A TIMECLOCK TO FULFILL IECC 2024 REQUIREMENTS.
13. ALL ZONING FOR LIGHTING IS BASED AROUND CIRCUITING SHOWN ON PLANS. CONTRACTOR TO PROVIDE RELAY PANEL SCHEDULE DURING SUBMITTAL FOR REVIEW AND APPROVAL BY EOR AND LIGHTING DESIGNER. EACH FIXTURE TYPE SHOULD BE CAPABLE OF BEING ADJUSTED INDEPENDENTLY OF OTHER FIXTURE TYPES.

TAG: PANEL LP-1 | VOLTAGE: 240/120, 1Φ | NEUTRAL: 100%
MTG: SURFACE | BUS: 400 A | GROUND: STANDARD
RM: NEMA 3R ENCLOSURE | MOCP: 400 A MCB | REMARKS:

CKT	DESCRIPTION	TYPE	LOAD VA	CB AMP	PH	CB AMP	LOAD VA	TYPE	DESCRIPTION	CKT
1	FS1 - NORTH FIXTURES	L	1008	20/1	A	20/1	1176	L	FS1 - EAST FIXTURES	2
3	FS1 - SOUTH FIXTURES	L	924	20/1	B	20/1	1083	L	FS2 - CANOPY FESTOON	4
5	FS3 - FLOOR LIGHTS	L	280	20/1	A	20/1	670	L	FS4 - STAGE PILARS	6
7	FS6 - STEP LIGHTING	L	962	20/1	B	20/1	104	L	FS7 - HANDRAIL LIGHTING	8
9	FS8 - PARKING LOT LIGHTING	L	320	20/1	A	20/1	--	--	FUTURE PLAYGROUND HANDHOLE	10
11	FUTURE NORTH BRIDGE HANDHOLE	--	--	20/1	B	20/1	--	--	FUTURE SOUTH BRIDGE HANDHOLE	12
13	SPEAKER RECEPTACLE 1 & 3	AV	1000	20/1	A	20/1	360	R	POLE RECEPTACLE 1 & 3	14
15	SPEAKER RECEPTACLE 2 & 4	AV	1000	20/1	B	20/1	360	R	POLE RECEPTACLE 2 & 4	16
17	SPEAKER RECEPTACLE 5 & 7	AV	1000	20/1	A	20/1	360	R	POLE RECEPTACLE 5 & 7	18
19	SPEAKER RECEPTACLE 6 & 8	AV	1000	20/1	B	20/1	360	R	POLE RECEPTACLE 6 & 8	20
21	SPEAKER RECEPTACLE 9 & 11	AV	1000	20/1	A	20/1	360	R	POLE RECEPTACLE 9 & 11	22
23	SPEAKER RECEPTACLE 10 & 12	AV	1000	20/1	B	20/1	360	R	POLE RECEPTACLE 10 & 12	24
25	SPEAKER RECEPTACLE 13	AV	500	20/1	A	20/1	360	R	POLE RECEPTACLE 13	26
27	STAGE RECEPTACLE - SOUTH WEST	R	360	20/1	B	20/1	360	R	STAGE RECEPTACLE - NORTH WEST	28
29	STAGE RECEPTACLE - CENTER WEST	R	360	20/1	A	20/1	360	R	STAGE RECEPTACLE - CENTER EAST	30
31	STAGE RECEPTACLE - SOUTH EAST	R	360	20/1	B	20/1	360	R	STAGE RECEPTACLE - NORTH EAST	32
33	[1] POND AERATOR	M	2300	20/2	A	20/1	--	--	SPARE	34
35			2300		B	20/1	--	--	SPARE	36
37	SPARE	--	--	20/1	A	20/1	--	--	SPARE	38
39	SPARE	--	--	20/1	B	20/1	--	--	SPARE	40
41	SPARE	--	--	20/1	A	20/1	--	--	SPARE	42

TOTAL VA PHASE A	11414	CONNECTED AMPS	93
TOTAL VA PHASE B	10893	CONNECTED VA	22307.2
		DESIGN AMPS	117

[1] - PROVIDE GFI BREAKER

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

ELECTRICAL SCHEDULES PHASE 1

E500

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS ISSUE'S ORIGINAL PLOT SIZE.
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LIGHTING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	DIMMING TYPE	LAMP TYPE	CCT	CRI	BUG RATING	VOLTAGE	WATTAGE	LUMENS	MOUNTING	COMMENTS
FS2	COMMERCIAL GRADE SHATTER PROOF FROSTED GLOBE LED FESTOON CATENARY LIGHTING UL LISTED, IP 67 & WET LOCATION RATED, CAPABLE OF POLE MOUNTING WITH ROUND POLE AS AN ADDED ACCESSORY. POLE TO BE CAPABLE OF INTEGRATED GFCI RECEPTACLE, ACCESS HATCH FOR FESTOON LIGHTING DRIVER, AND INTEGRATED SPEAKER FUNCTIONALITY (SPEAKER AND SPEAKER CONTROL BY OTHERS)	LIGHTING: TIVOLI POLE: LUMENPULSE	LIGHTING: LSL2-B-12-V-35-F-12 (LENGTH VARIES) POLE: PL-S-6-STL-R-18(HEIGHTS VARY)-H-BKTX-WL-XX-DRG-(SPEAKER MOUNT)-(FESTOON LIGHTING MOUNT)-(ACCESS PANEL)-AB	0-10V	LED	35K	80	B:0 U:1 G:0	120V	1W/FT	90/FT	FESTOON/POLE	POLE HEIGHTS TO VARY. CONTRACTOR MUST PROVIDE SHOP DRAWINGS ACCOUNTING FOR GRADE CHANGE FOR POLE HEIGHTS. RELATIVE HEIGHT OF FIXTURES AFF TO RANGE FROM 16-18FT. CONTRACTOR MUST PROVIDE SHOP DRAWINGS FOR FESTOON LIGHTING LAYOUT AND REMOTE DRIVER LOCATIONS. ALL SHOP DRAWINGS MUST BE APPROVED BY EOR AND AOR PRIOR ANY PROCUREMENT. FOR FESTOON LIGHTING INSTALLATION: PROVIDE WITH COMPLETE MOUNTING ACCESSORIES AS REQUIRED STRUCTURALLY AND COMPATIBLE WITH THE POLE. INCLUDE THE MOUNTING DETAILS IN SHOP DRAWINGS FOR REVIEW.
FS3	DIRECT VIEW NOMINAL 2FT INGRADE LED LINEAR FIXTURE, UL LISTED, IP 68 AND IK 10 RATED WITH ANTI-SLIP LENS, WITH PROPER DRAINAGE PROVIDED	LUMENPULSE	LOID-120/277-24-35K-DIM-ASL	0-10V	LED	35K	80	N/A	120V	10W	400	INGRADE	CONTRACTOR TO ENSURE PROPER DRAINAGE IS PROVIDED TO AVOID WATER LOGGING. FIXTURES TO BE INSTALLED LEVEL, NOT TILTED IN ANY WAY.
FS4	NOMINAL 6IN INGRADE LED ROUND SPOT UPLIGHT FIXTURE, UL LISTED, IP 68 WITH ANTI-SLIP, WALK-OVER LENS AND INTERNAL GLARE SHIELD, WITH PROPER DRAINAGE PROVIDED. CUSTOM MOUNTING TO BE PROVIDED AND COORDINATED WITH ARCHITECTURAL TEAM.	HYDREL	IGF6-SST-LED-P3-80CRI-40K-MVOLT-70VX30H-OT-FLCSR-34S-ISS-ZT-BLZ	0-10V	LED	40K	80	N/A	120V	22.34W	2300	INGRADE INTO CUSTOM PLATE	REFER TO ARCHITECTURAL DETAILS ON MOUNTING SPECIFICS. CONTRACTOR MUST PROVIDE SHOP DRAWINGS OF LUMINAIRE.

LIGHTING FIXTURE SCHEDULE NOTES

1. REFER TO SPECIFICATIONS FOR ADDITIONAL LIGHTING FIXTURE REQUIREMENTS.
2. CONTRACTOR RESPONSIBLE FOR COORDINATION OF FITTINGS AND HARDWARE REQUIRED TO INSTALL LIGHTING FIXTURES INTO CONSTRUCTION MATERIALS (AS SPECIFIED IN ARCHITECTURAL PLANS) AS REQUIRED.
3. ALL DIMENSIONS LISTED ABOVE ARE NOMINAL SIZES. SLIGHT VARIATIONS IN SHAPE OR SIZE WILL BE CONSIDERED BASED ON THE PROJECT REQUIREMENTS.
4. REFER TO CIVIL PLANS FOR OTHER SURFACE CONSTRUCTION MATERIALS.
5. THE FINAL FIXTURE HOUSING AND REFLECTOR FINISH AND COLOR SHALL BE SELECTED BY ARCHITECT.
6. ALL FIXTURES SHALL BE UL AND NRTL LISTED. ALL DAMP AND WET LOCATION UL REQUIREMENTS ARE LISTED IN THE FIXTURE DESCRIPTION.
7. WHERE DIMMING OR INTEGRAL FIXTURE CONTROLS ARE SPECIFIED, COMPATIBILITY OF FIXTURE AND CONTROLS COMPONENTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING OF EITHER SYSTEM.

LIGHTING CONTROLS MATRIX

FIXTURES AFFECTED	SEQUENCE OF OPERATIONS
FS3	LIGHTING TO BE CONTROLLED VIA PHOTOCELL AND TIMECLOCK. LIGHTS SHALL BE AUTOMATICALLY TURNED OFF WHEN DAYLIGHT IS PRESENT, SUFFICIENT, AND SATISFIES THE LIGHTING NEEDS. LIGHTING TO BE CONTROLLED BASED ON A TIMECLOCK SCHEDULE PROVIDED BY THE OWNER. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE TIMECLOCK SETTINGS PRIOR TO PROCUREMENT.
FS2/FS4	LIGHTING TO BE CONTROLLED VIA PHOTOCELL AND TIMECLOCK, WITH PRESET SCENES AS WELL AS DIMMING FUNCTIONALITY AS DESIRED VIA THE MULTISCENE CONTROLLER. LIGHTS SHALL BE AUTOMATICALLY TURNED OFF WHEN DAYLIGHT IS PRESENT, SUFFICIENT, AND SATISFIES THE LIGHTING NEEDS. LIGHTING TO BE CONTROLLED BASED ON A TIMECLOCK SCHEDULE PROVIDED BY THE OWNER. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE TIMECLOCK SETTINGS PRIOR TO PROCUREMENT. LIGHTING TO BE CAPABLE OF OVERRIDING PRESET SCENES IF DESIRED LIGHT LEVELS ARE DIFFERENT FROM THAT OF PRESET SCENES. LIGHTING TO DEFAULT BACK TO PRESETS EACH DAY AT NOON FOR THE FOLLOWING NIGHT. CONTRACTOR TO COORDINATE WITH OWNER, ARCHITECT, AND LIGHTING DESIGNER IN ORDER TO LEVEL SET EACH SCENE.

LIGHTING CONTROL NOTES

1. LIGHTING CONTROL SYSTEMS LISTED OUTLINES BASIC REQUIREMENTS ONLY. CONTRACTOR SHALL REVIEW WITH LIGHTING CONTROL SYSTEM'S MANUFACTURER ALL COMPONENTS AND ACCESSORIES REQUIRED TO PROVIDE A COMPLETE AND FULLY OPERATIONAL SYSTEM, ALONG WITH SYSTEM START-UP AND TRAINING BY THE MANUFACTURER. PROGRAMMING START-UP TO BE DONE IN PRESENCE OF OWNER AND LIGHTING DESIGNER. CONTRACTOR MUST CONFIRM TIMECLOCK SETTINGS AND HOURS OF OPERATION WITH THE OWNER PRIOR TO PROGRAMMING. NLIGHT IS THE BASIS OF DESIGN.
2. THE PROJECT REQUIRES LIGHTING CONTROLS TO BE CAPABLE OF:
   - A TIME-BASED SCHEDULE INPUT,
   - 0-10V NETWORKED LIGHTING CONTROLS,
   - MULTI-SCENE CONTROLS,
   - 0-10V DIMMING FUNCTIONALITY,
3. LIGHTING TO BE CONTROLLED VIA REMOTE PHOTOCELL, TIMECLOCK, AND PASSWORD PROTECTED MULTISCENE CONTROLLER LOCATED BESIDE RELAY PANEL. CONTROLLER TO BE RATED FOR THE ENVIRONMENT. LIGHTING SHALL BE AUTOMATICALLY TURNED OFF WHEN DAYLIGHT IS PRESENT AND SATISFIES THE LIGHTING NEEDS. MULTISCENE CONTROLLER CAN OVERRIDE PRESETS FOR EVENTS TAKING PLACE IN THE PARK. SEE LIGHTING CONTROLS MATRIX FOR HOW FIXTURES ARE CONTROLLED.
4. CONTRACTOR TO PROVIDE LOW VOLTAGE NETWORKED PROGRAMMABLE CONTROLS TO ALL FIXTURE TYPES WHETHER OR NOT INDICATED ON DRAWINGS.
5. CONTRACTOR IS RESPONSIBLE FOR PROVIDING REQUIRED NUMBER OF POWER PACKS (NOT SHOWN ON PLANS), WITHIN THE MANUFACTURER'S RECOMMENDED DISTANCE. CONTRACTOR TO COORDINATE THE LOCATION PRIOR TO INSTALLING POWER PACKS IN ANY AREAS. POWER PACKS TO BE RATED FOR THE ENVIRONMENT THAT THEY ARE INSTALLED IN.
6. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE DESIRED TIMECLOCK SETTINGS FROM THE OWNER PRIOR TO PROCUREMENT.
7. TIMECLOCK SHALL BE CAPABLE OF RETAINING PROGRAMMING AND THE TIME SETTING DURING LOSS OF POWER FOR A PERIOD OF AT LEAST TEN HOURS.
8. CONTRACTOR IS RESPONSIBLE FOR ENSURING THE LIGHTING FIXTURE TYPES AND THE LIGHTING CONTROL SYSTEM ARE COMPATIBLE PRIOR TO ORDERING.
9. CONTROL PANELS AND ASSOCIATED SWITCH CONTROL COMPONENTS ARE TO BE SUPPLIED FROM A SINGLE MANUFACTURER AND PLATFORM. REFER TO SPECIFICATIONS.
10. NO WIRELESS CONTROLS SHALL BE UTILIZED UNLESS SPECIFICALLY REQUESTED BY OWNER AND APPROVED BY LIGHTING DESIGNER.
11. ALL SENSORY DEVICES TO BE PROGRAMMED TO DEFAULT TO FULL 'ON' IN CASE OF FAILURE.
12. CONTRACTOR TO PROVIDE WET LOCATION LISTED PHOTOCELL LOCATED ON THE PARKING LOT POLE LOCATED AT THE ENTRANCE OF THE PARKING LOT, FACING NORTH AVOIDING ANY SHADING OR OBSTRUCTIONS, AS WELL AS A TIMECLOCK TO FULFILL IECC 2024 REQUIREMENTS.
13. ALL ZONING FOR LIGHTING IS BASED AROUND CIRCUITING SHOWN ON PLANS. CONTRACTOR TO PROVIDE RELAY PANEL SCHEDULE DURING SUBMITTAL FOR REVIEW AND APPROVAL BY EOR AND LIGHTING DESIGNER. EACH FIXTURE TYPE SHOULD BE CAPABLE OF BEING ADJUSTED INDEPENDENTLY OF OTHER FIXTURE TYPES.

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

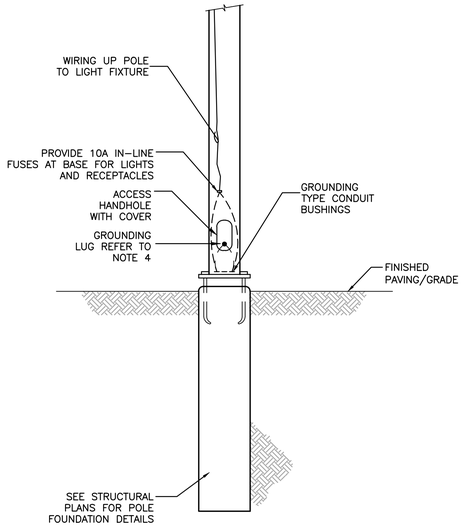
ELECTRICAL SCHEDULES PHASE 2

E500

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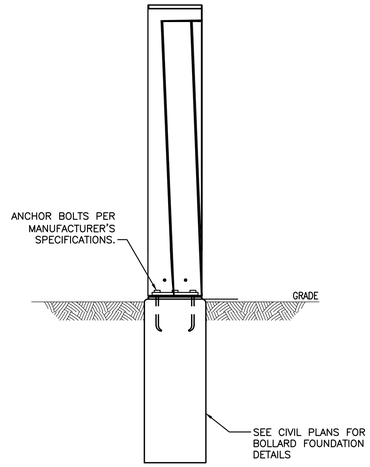


1 POLE WIRING DETAIL

SCALE: N.T.S.

NOTES:

1. TIE TOGETHER ALL GROUNDING CONDUCTORS INCLUDING CONDUCTORS INSTALLED WITH THE CIRCUIT WIRING.
2. WELD ALL STEEL, ANCHOR BOLT AND CONDUIT TOGETHER VIA #6 GROUNDING CONDUCTOR. USE EXOTHERMIC WELDINGS.
3. TERMINATE ALL CONDUITS WITH GROUNDING BUSHINGS BONDED TO GROUND LUG.
4. PROVIDE IN-LINE FUSE AT POLE BASE.
5. WITHIN THE SCOPE OF WORK FOR PHASE 1, CONTRACTOR TO PROVIDE FOUNDATIONS, CONDUIT RUNS, HAND HOLES, POWER FEED, LIGHTING CONTROLS EXPANSION AGGREGATE, AND ALL INFRASTRUCTURE AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM TO BE ABLE TO FINALIZE CONNECTIONS FOR FUTURE CATENARY AND POST TOP LIGHTING WHICH IS GOING TO BE INSTALLED IN PHASE 2
6. EXACT DETAILS AND DIMENSIONS TO BE CONFIRMED BY STRUCTURAL ENGINEER.
7. CONTRACTOR TO ACCOUNT FOR UNDERGROUND UTILITIES, PROVIDING A MINIMUM OF 5FT CLEARANCE FROM ALL SERVICES RUNNING NEAR THESE FOUNDATIONS.

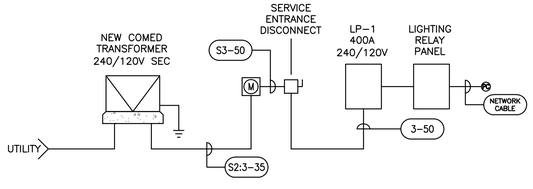


2 BOLLARD WIRING DETAIL

SCALE: N.T.S.

NOTES:

1. TIE TOGETHER ALL GROUNDING CONDUCTORS INCLUDING CONDUCTORS INSTALLED WITH THE CIRCUIT WIRING.
2. WELD ALL STEEL, ANCHOR BOLT AND CONDUIT TOGETHER VIA #6 GROUNDING CONDUCTOR. USE EXOTHERMIC WELDINGS.
3. TERMINATE ALL CONDUITS WITH GROUNDING BUSHINGS BONDED TO GROUND LUG.
4. PROVIDE IN-LINE FUSE AT POLE BASE.
5. WITHIN THE SCOPE OF WORK FOR PHASE 1, CONTRACTOR TO PROVIDE FOUNDATIONS, CONDUIT RUNS, HAND HOLES, POWER FEED, LIGHTING CONTROLS EXPANSION AGGREGATE, AND ALL INFRASTRUCTURE AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM TO BE ABLE TO FINALIZE CONNECTIONS FOR FUTURE BOLLARD LIGHTING WHICH IS GOING TO BE INSTALLED IN PHASE 2
6. EXACT DETAILS AND DIMENSIONS TO BE CONFIRMED BY STRUCTURAL ENGINEER.
7. CONTRACTOR TO ACCOUNT FOR UNDERGROUND UTILITIES, PROVIDING A MINIMUM OF 5FT CLEARANCE FROM ALL SERVICES RUNNING NEAR THESE FOUNDATIONS.



3 ELECTRICAL RISER DIAGRAM

SCALE: N.T.S.

SERVICE FEEDER SCHEDULE (ground per CEC TABLE 250.66).		
TAG	SERVICE SIZE	FEEDER SIZE
3 WIRE + GROUND		
S3-4	60A	3 #4, #8 GRD, 1 1/4" C.
S3-4	70A	3 #4, #8 GRD, 1 1/4" C.
S3-3	80A	3 #3, #8 GRD, 1 1/4" C.
S3-1	100A	3 #1, #6 GRD, 1 1/2" C.
S3-1/0	125A	3 #1/0, #6 GRD, 1 1/2" C.
S3-1/0	150A	3 #1/0, #6 GRD, 1 1/2" C.
S3-2/0	175A	3 #2/0, #4 GRD, 2" C.
S3-3/0	200A	3 #3/0, #4 GRD, 2 1/2" C.
S3-4/0	225A	3 #4/0, #2 GRD, 2 1/2" C.
S3-25	250A	3-250 KCMIL, #2 GRD, 3" C.
S3-35	300A	3-350 KCMIL, #2 GRD, 3" C.
S3-50	400A	3-500 KCMIL, #1/0 GRD, 3 1/2" C.
S3-60	400A	3-600 KCMIL, #1/0 GRD, 3 1/2" C.
S2:3-25	500A	(2) SETS: 3-250 KCMIL, #1/0 GRD, 3" C.
S2:3-35	600A	(2) SETS: 3-350 KCMIL, #2/0 GRD, 3" C.
S2:3-50	800A	(2) SETS: 3-500 KCMIL, #2/0 GRD, 3 1/2" C.
S2:3-60	800A	(2) SETS: 3-600 KCMIL, #3/0 GRD, 3 1/2"C.
S3:3-50	1000A	(3) SETS: 3-400 KCMIL, #4/0 GRD, 3" C.
S3:3-60	1200A	(3) SETS: 3-600 KCMIL, #250 KCMIL GRD, 4"C.
S4:3-60	1600A	(4) SETS: 3-600 KCMIL, #300 KCMIL GRD, 4"C.
S5:3-60	2000A	(5) SETS: 3-600 KCMIL, #400 KCMIL GRD, 4"C.
S6:3-60	2500A	(6) SETS: 3-600 KCMIL, #500 KCMIL GRD, 4"C.
S8:3-60	3000A	(8) SETS: 3-600 KCMIL, #500 KCMIL GRD, 4"C.
S8:3-60	3200A	(8) SETS: 3-600 KCMIL, #500 KCMIL GRD, 4"C.
S10:3-60	4000A	(10) SETS: 3-600 KCMIL, #500 KCMIL GRD, 4"C.

FEEDER SCHEDULE (ground per NEC or CEC Table 250.122)		
TAG	MAXIMUM OCPD	FEEDER SIZE
2 WIRE + GROUND		
2-12	20A	2 #12, #12 GRD, 3/4" C.
2-10	30A	2 #10, #10 GRD, 3/4" C.
2-8	40A	2 #8, #10 GRD, 3/4" C.
3 WIRE + GROUND		
3-12	20A	3 #12, #12 GRD, 3/4" C.
3-10	30A	3 #10, #10 GRD, 3/4" C.
3-8	40A	3 #8, #10 GRD, 1" C.
3-4	60A	3 #4, #8 GRD, 1 1/4" C.
3-4	70A	3 #4, #8 GRD, 1 1/4" C.
3-3	80A	3 #3, #8 GRD, 1 1/4" C.
3-1	100A	3 #1, #6 GRD, 1 1/2" C.
3-1/0	125A	3 #1/0, #6 GRD,1 1/ 2" C.
3-1/0	150A	3 #1/0, #6 GRD,1 1/ 2" C.
3-2/0	175A	3 #2/0, #6 GRD, 2" C.
3-3/0	200A	3 #3/0, #6 GRD, 2 1/2" C.
3-4/0	225A	3 #4/0, #4 GRD, 2 1/2" C.
3-25	250A	3-250 KCMIL, #4 GRD, 3" C.
3-35	300A	3-350 KCMIL, #4 GRD, 3" C.
3-50	400A	3-500 KCMIL, #3 GRD, 3 1/2" C.
3-60	400A	3-600 KCMIL, #1 GRD, 3 1/2" C.
2:3-25	500A	(2) SETS: 3-250 KCMIL, #2 GRD, 3" C.
2:3-35	600A	(2) SETS: 3-350 KCMIL, #1 GRD, 3" C.
2:3-50	800A	(2) SETS: 3-500 KCMIL, #1/0 GRD, 3 1/2" C.
2:3-60	800A	(2) SETS: 3-600 KCMIL, #1/0 GRD, 4"C.
3:3-50	1000A	(3) SETS: 3-400 KCMIL, #2/0 GRD, 3" C.
3:3-60	1200A	(3) SETS: 3-600 KCMIL, #3/0 GRD, 4" C.
4:3-60	1600A	(4) SETS: 3-600 KCMIL, #4/0 GRD, 4"C.
5:3-60	2000A	(5) SETS: 3-600 KCMIL, #250 KCMIL GRD, 4"C.
6:3-60	2500A	(6) SETS: 3-600 KCMIL, #350 KCMIL GRD, 4"C.
8:3-60	3000A	(8) SETS: 3-600 KCMIL, #400 KCMIL GRD, 4"C.
8:3-60	3200A	(8) SETS: 3-600 KCMIL, #500 KCMIL GRD, 4"C.
10:3-60	4000A	(10) SETS: 3-600 KCMIL, #500 KCMIL GRD, 4"C.

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Revision Schedule

No.	Date	Description

VILLAGE OF STREAMWOOD EST. 1957

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

ELECTRICAL SECTIONS AND DETAILS

E501

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GENERAL NOTES:

1. ALL REFERENCES TO THE APPLICABLE CODES, STANDARDS AND SPECIFICATIONS SHALL MEAN THE LATEST AVAILABLE EDITION THAT IS CURRENT WITH THIS DRAWING DATE, EXCEPT WHERE A SPECIFIC EDITION IS SO INDICATED.

2. THE STRUCTURAL CONTRACT DOCUMENTS, AS REFERRED TO THROUGHOUT THE PROJECT, SHALL CONSIST OF THE STRUCTURAL DRAWINGS AND PROJECT SPECIFICATIONS.

3. WHERE A DISCREPANCY OCCURS BETWEEN THE STRUCTURAL DRAWINGS, STRUCTURAL NOTES, AND STRUCTURAL SPECIFICATIONS, THE MORE RESTRICTIVE OR LARGER QUANTITY, AS DETERMINED BY THE STRUCTURAL ENGINEER, SHALL GOVERN.

4. THE CONTRACTOR SHALL ALONE BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, SEQUENCES, AND PROCEDURES FOR THE PROJECT, AS WELL AS FOR ALL SAFETY PROGRAMS, CODES, AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL ENSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENTS THROUGHOUT CONSTRUCTION.

5. THE STRUCTURE HAS BEEN DESIGNED TO SUPPORT THE IMPOSED DESIGN LOADS UPON COMPLETION OF THE CONSTRUCTION IN ITS FINAL CONDITION. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING AND BRACING MEMBERS AND CONNECTIONS REQUIRED TO SUPPORT IMPOSED LOADS DURING CONSTRUCTION. THE CONTRACTOR SHALL RETAIN A LICENSED STRUCTURAL ENGINEER IN THE STATE OF ILLINOIS TO DESIGN THE TEMPORARY SHORING AND BRACING MEMBERS AND CONNECTIONS, WHICH SHALL REMAIN IN PLACE UNTIL THE CONSTRUCTION IS COMPLETE. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.

6. THE CONTRACTOR SHALL COORDINATE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL, MECHANICAL,ELECTRICAL, PLUMBING, AND CIVIL DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF ANY CONFLICTS OR DISCREPANCIES BETWEEN THE STRUCTURAL DRAWINGS OR SPECIFICATIONS AND THOSE OF THE OTHER TRADES.

7. UNDER NO CIRCUMSTANCE SHALL THE STRUCTURAL DRAWINGS BE SCALED TO DETERMINE DIMENSIONAL INFORMATION. USE THE DIMENSIONS AND ELEVATIONS AS EXPLICITLY INDICATED ON THE DRAWINGS.

8. THE CONTRACTOR SHALL VERIFY IN FIELD ALL INFORMATION PERTAINING TO EXISTING CONSTRUCTION WHERE IT OCCURS, INCLUDING, BUT NOT LIMITED TO, DIMENSIONS, ELEVATIONS, AND MEMBER SIZES. WHERE FIELD VERIFICATION RESULTS IN A DISCREPANCY WITH THE INFORMATION INDICATED ON THE STRUCTURAL DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER, ALONG WITH CORRESPONDING SKETCHES FOR REVIEW, NO LATER THAN (28) CALENDAR DAYS PRIOR TO COMMENCEMENT OF RELATED FABRICATION OR DETAILING WORK.

9. OPENINGS OR PENETRATIONS THROUGH STRUCTURAL MEMBERS ARE NOT ALLOWED UNLESS REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER.

10. UNDER NO CIRCUMSTANCE SHALL FIELD MODIFICATIONS BE MADE TO STRUCTURAL MEMBERS WITHOUT PRIOR REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER.

11. THE CONTRACTOR SHALL RETAIN A LAND SURVEYOR, REGISTERED IN THE STATE OF ILLINOIS LINES, LEVELS, GRADES, AND MEASUREMENTS BASED ON THE SURVEY ESTABLISHED FOR THE SITE.

12. PRIMERA IS NOT RESPONSIBLE FOR THE OMISSIONS OF THE CONTRACTOR AND SUBCONTRACTORS, NOR IS PRIMERA RESPONSIBLE FOR THE FAILURE OF THE CONTRACTOR AND SUBCONTRACTORS IN COMPLETING THE WORK SPECIFIED ON THE CONTRACT DOCUMENTS.

13. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PRECAUTIONS DURING EXCAVATION AND FOUNDATION CONSTRUCTION SO AS TO NOT DISTURB, DAMAGE, UNDERMINE, OR CAUSE SETTLEMENT TO ALL PROJECT RELATED ELEMENTS, AS WELL AS ANY NEARBY EXISTING FACILITIES, STRUCTURES, FOUNDATIONS, AND UTILITIES.THE CONTRACTOR IS ALONE RESPONSIBLE FOR ANY DAMAGE OR DISTRESS IMPOSED UPON THESE ELEMENTS DURING CONSTRUCTION OR AS A RESULT OF CONSTRUCTION NOT CONFORMING TO THE INTENT OF THE STRUCTURAL CONTRACT DOCUMENTS.

14. UNLESS NOTED OTHERWISE, ALL DETAILS, SECTIONS, AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL WHERE CONDITIONS ARE SIMILAR TO THOSE INDICATED ON THE DETAIL.

15. AT NO POINT SHALL THE LOADS IMPOSED ON THE STRUCTURE DURING CONSTRUCTION EXCEED THE DESIGN LOADS INDICATED ON THE STRUCTURAL DRAWINGS. CONTRACTOR SHALL NOT USE EQUIPMENT NOR STORE MATERIALS IN A MANNER WHICH WOULD RESULT IN THE IMPOSED LOADING ON THE STRUCTURE EXCEEDING THE DESIGN LOADING.

MONUMENT DRAWING SUBMITTAL NOTES: FOR MONUMENT SIGN AND LIGHT POLE FOUNDATION:

1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

2. SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED AS REQUIRED BY THE SPECIFICATIONS OR THESE NOTES WHERE SPECIFICATIONS DO NOT OCCUR. SUBMITTALS THAT HAVE NOT BEEN REQUESTED WILL BE RETURNED AS NOT REVIEWED AND OUTSIDE OF THE STRUCTURAL ENGINEER'S SCOPE OF WORK.

3. THE CONTRACTOR SHALL REVIEW AND STAMP EACH SHOP DRAWING PRIOR TO SUBMITTING TO THE STRUCTURAL ENGINEER FOR REVIEW. THE CONTRACTOR'S REVIEW SHALL ENSURE THAT THE SHOP DRAWING IS COMPLETE WITHOUT MISSING INFORMATION, IS BASED ON THE MOST RECENT ISSUANCE OF STRUCTURAL DRAWINGS, HAS ADDRESSED ALL COMMENTS ON PREVIOUS REVIEW ITERATIONS, AND HAS BEEN COORDINATED WITH ALL COMMENTS MADE ON OTHER SHOP DRAWING SUBMITTALS. SHOP DRAWINGS THAT DO NOT ADHERE TO THE ABOVE CRITERIA WILL BE REJECTED AND RETURNED WITHOUT COMMENT.

4. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW EACH SHOP DRAWING SUBMITTAL FOR THE CONSTRUCTION MEANS, METHODS, SEQUENCES, AND PROCEDURES FOR THE PROJECT, AS WELL AS FOR ALL SAFETY PROGRAMS, CODES, AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.

5. SHOP DRAWINGS REQUIRING REVIEW BY THE STRUCTURAL ENGINEER WILL ONLY BE REVIEWED FOR GENERAL CONFORMANCE WITH THE STRUCTURAL DESIGN CRITERIA AND DESIGN INTENT INDICATED ON THE STRUCTURAL DRAWINGS. THE STRUCTURAL ENGINEER'S REVIEW DOES NOT RELEASE THE CONTRACTOR FROM THE RESPONSIBILITIES INDICATED ABOVE AND THROUGHOUT THESE STRUCTURAL NOTES AND SPECIFICATIONS, WHERE PROVIDED.

6. ALL PROPOSED DEVIATIONS FROM THE STRUCTURAL DRAWINGS SHALL BE CLEARLY IDENTIFIED IN THE FORM OF BUBBLES OR BOXED NOTES FOR THE STRUCTURAL ENGINEER TO REVIEW.

7. SUBSEQUENT REVISIONS TO SHOP DRAWINGS SHALL ADDRESS ALL COMMENTS MADE BY THE STRUCTURAL ENGINEER AND SHALL BE BUBBLED ACCORDINGLY.

8. UNDER NO CIRCUMSTANCE SHALL THE STRUCTURAL DRAWINGS BE UTILIZED AS A BACKGROUND BY THE CONTRACTOR IN THE PRODUCTION OF A SHOP DRAWING SUBMITTAL.

CAST-IN-PLACE CONCRETE - MATERIAL NOTES: FOR MONUMENT SIGN AND LIGHT POLE FOUNDATION

1. REINFORCEMENT: DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60.

2. WELDED WIRE FABRIC: PER ASTM A1064 FURNISHED IN FLAT SHEETS.

3. CEMENT: (U.N.O.) WHITE PORTLAND CEMENT, ASTM C150, TYPE I OR III.

4. AGGREGATE: DURABLE, WELL-GRADED MINERALS CONFORMING TO ASTM C33.

5. WATER SHALL BE CLEAN, POTABLE AND FREE FROM DELETERIOUS MATERIALS.

6. ADMIXTURES: CERTIFIED BY MANUFACTURER TO BE COMPATIBLE WITH OTHER ADMIXTURES AND THAT WILL NOT CONTRIBUTE WATER-SOLUBLE CHLORIDE IONS EXCEEDING THOSE PERMITTED IN HARDENED CONCRETE. DO NOT USE CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORIDE. ADMIXTURES SHALL CONFORM TO THE FOLLOWING:

   6.A. AIR-ENTRAINING ADMIXTURE: ASTM C 260

   6.B. WATER REDUCING AND/OR RETARDING ADMIXTURE: ASTM C 494

   6.C. PLASTICIZING AND RETARDING ADMIXTURE: ASTM C 1017

7. CONCRETE: NORMAL WEIGHT CONCRETE U.N.O., PROPORTIONED AS FOLLOWS:

   7.A. CONCRETE FOUNDATIONS:

      7.A.A. MAXIMUM WATER-CEMENTITIOUS MATERIALS RATIO: 0.45

      7.A.B. MINIMUM COMPRESSIVE STRENGTH: 4500 PSI AT 28 DAYS

      7.A.C. AIR ENTRAINMENT: 6% ± 1.5%

CAST-IN-PLACE CONCRETE - GENERAL NOTES:

1. WORK ON THIS PROJECT SHALL CONFORM TO THE PROJECT SPECIFICATIONS AND TO THE FOLLOWING SPECIFICATIONS PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE, FARMINGTON HILLS, MICHIGAN, EXCEPT AS MODIFIED HEREIN:

   1.A. ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE"

   1.B. ACI 117, "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS AND COMMENTARY"

   1.C. ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY"

2. MIXING AND PLACEMENT OF CONCRETE SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING PUBLICATIONS: ACI 304 - "GUIDE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE", ACI 305.1 - "SPECIFICATION FOR HOT WEATHER CONCRETING", AND ACI 306.1 - "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING".

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAILING OF FORMWORK AND SHORING SYSTEMS. FORM QUALITY AND CONSTRUCTION SHALL CONFORM TO ACI 347.

4. CONCRETE DETAILING SHALL BE IN ACCORDANCE WITH THE ACI 315 DETAILING MANUAL.

5. 5. UNLESS INDICATED ON THE DRAWINGS, ALL LAPS SHALL BE DETAILED AS A CLASS B SPLICE WITH A DEVELOPMENT LENGTH, Ld BASED ON MORE THAN 12 INCHES OF FRESH CONCRETE CAST BELOW THE SPLICE. SPLICES SHALL BE STAGGERED SO THAT AT LEAST 50% OF THE BARS ARE CONTINUOUS ACROSS A SPLICE.

CAST-IN-PLACE CONCRETE - FINISHING AND CURING NOTES:

1. VERTICAL CONCRETE SURFACES NOT EXPOSED TO PUBLIC VIEW SHALL HAVE A ROUGH-FORMED FINISH WITH TIE HOLES AND DEFECTS REPAIRED AND PATCHED.

2. EXPOSED CONCRETE VERTICAL SURFACES SHALL HAVE A SMOOTH-FORMED FINISH FREE FROM SURFACE DEFECTS WITH TIE HOLES AND DEFECTS REPAIRED AND PATCHED.

3. CURE CONCRETE IN ACCORDANCE WITH ALL REQUIREMENTS OF ACI 308.1, "STANDARD SPECIFICATION FOR CURING CONCRETE," PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE, FARMINGTON HILLS, MICHIGAN, EXCEPT AS MODIFIED HEREIN.

CAST-IN-PLACE CONCRETE - INSTALLATION NOTES:

1. CONTINUOUS FOOTINGS:

   1.A. DOWELS IN FOOTINGS AND SLABS TO MATCH VERTICAL COLUMN OR WALL REINFORCING, UNLESS NOTED OTHERWISE.

   1.B. HORIZONTAL REINFORCING IN WALLS AND GRADE BEAMS SHALL BE CONTINUOUS WITH BARS LAPPED AT CORNERS, UNLESS NOTED OTHERWISE.

2. CONCRETE COVER: UNLESS NOTED OTHERWISE, DETAIL REINFORCING TO PROVIDE CONCRETE COVER AS FOLLOWS:

   2.A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH .....3 IN

   2.B. CONCRETE EXPOSED TO EARTH OR WEATHER

      -#5 BARS OR SMALLER.....1-1/2 IN
      -OTHERS.....2 IN

   2.C. CONCRETE NOT EXPOSED TO EARTH OR WEATHER:

      -BEAM AND COLUMN BARS INCLUDING TIES, STIRRUPS AND SPIRALS....1-1/2 IN
      -SLAB, WALL AND JOINT BARS:
      -#11 BARS AND SMALLER.....3/4 IN
      -OTHERS.....1-1/2 IN

3. PLACE ALL UNDERGROUND UTILITIES, PIPING, DUCT BANKS, AND CONDUITS BEFORE INSTALLING FOUNDATIONS, STRUCTURAL MATS, AND SLABS ON GRADE. DO NOT PLACE UNDERGROUND UTILITIES, PIPING, DUCT BANKS, AND CONDUITS UNDER BUILDING COLUMN FOOTINGS.

4. THOROUGHLY COMPACT, PUDDLE, AND VIBRATE CONCRETE INTO CORNERS AND AROUND REINFORCING AND EMBEDDED ITEMS, USE INTERNAL VIBRATION WHERE SIZE OF SECTION PERMITS.

5. PROVIDE 3/4" CHAMFER ON EXPOSED CORNERS EXCEPT AT THRESHOLDS OF DOORS

6. PROVIDE ADEQUATE BAR SUPPORTS TO MAINTAIN SPECIFIED LOCATIONS AND CLEARANCES OF REINFORCING, ANCHOR RODS AND EMBEDMENTS. PROVIDE ADDITIONAL SUPPORT BARS AS REQUIRED TO ASSURE PROPER SUPPORT FOR REINFORCING STEEL, WELDED WIRE FABRIC, EMBEDMENTS, AND ANCHOR RODS.

7. PROVIDE PLASTIC TIPPED ACCESSORIES FOR REINFORCEMENT AT ALL FACES OF EXPOSED CONCRETE. PROVIDE PRECAST CONCRETE BAR SUPPORTS WHERE BAR SUPPORTS WILL BEAR DIRECTLY ON VAPOR BARRIER FABRIC.

8. WELDING OF REINFORCING STEEL IS NOT PERMITTED, UNLESS SPECIFICALLY NOTED ON DRAWINGS. TACK-WELDING TO KEEP REINFORCING STEEL IN PLACE OR TO BRACE ANCHOR BOLTS IS NOT PERMITTED.

9. VAPOR BARRIER FABRIC SHALL BE ROLLED ONTO A SMOOTH COMPACTED SUBGRADE. PROVIDE ADJACENT ROLLS WITH MINIMUM 8" OVERLAP WITH THE UPSTREAM PANEL OVER THE DOWNSTREAM PANEL IN ORDER TO "SHINGLE" THE WATER.

FOUNDATION NOTES:

1. FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS INDICATED IN THE GEOTECHNICAL REPORT "KOLLAR PARK POND IMPROVEMENTS" BY RUBINO ENGINEERING, INC., DATED 09/02/2025.

2. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS ESTABLISHED BY THE GEOTECHNICAL REPORT.

3. EXCAVATION FOR FOUNDATIONS SHALL ACHIEVE A DIRECT AND SOUND CONTACT BETWEEN THE BOTTOM OF THE CONCRETE AND THE COMPACTED AGGREGATE BACKFILL ON WHICH THE FOOTING WILL BEAR.

4. PLACEMENT OF CONCRETE FOR FOUNDATION SHALL BE IMMEDIATELY FOLLOWING FOOTING EXCAVATION AND PREFERABLY THE SAME DAY AS EXCAVATION. IF SAME DAY PLACEMENT DOES NOT OCCUR, THEN THE CONTRACTOR SHALL PROTECT OPEN EXCAVATIONS FROM SURFACE WATER ACCUMULATION AND LOOSENING OF THE SOIL MATRIX. THE CONTRACTOR MAY ACCOMPLISH THIS BY MEANS OF A LEAN CONCRETE MUD MAT.

5. FOUNDATION DESIGNS ARE BASED ON THE FOLLOWING NET ALLOWABLE BEARING PRESSURES AS SPECIFIED IN THE GEOTECHNICAL REPORT:

   5.A. MONUMENT SIGN FOOTING: 2,500 PSF

6. BOTTOM OF ALL FOUNDATIONS SHALL BE INSPECTED BY A REGISTERED SOILS ENGINEER AND DESIGN BEARING CAPACITY VERIFIED BEFORE PLACING ANY CONCRETE.

7. UPON OBTAINING SOIL BORING LOGS, THE CONTRACTOR MUST INTERPRET FOR HIMSELF THE CONDITIONS UNDERLYING THE SURFACE OF THE GROUND. THE USING AGENCY AND ENGINEER ASSUME NO RESPONSIBILITY FOR VARIATIONS OR DEVIATIONS OF THE SUBSOIL QUALITY, WATER LEVELS, ROCK ELEVATIONS, OR CONDITIONS AT LOCATIONS OTHER THAN PLACES SHOWN AT THE TIME THE INVESTIGATION WAS MADE.

8. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND GEOTECHNICAL ENGINEER OF UNUSUAL SOIL CONDITIONS BEFORE PROCEEDING WITH WORK. THIS INCLUDES SOIL CONDITIONS IN VARIANCE WITH TEST BORINGS.

9. AT PERIMETER FOOTINGS AND FOOTINGS BENEATH UNHEATED AREAS, FROST DEPTH TO BE MINIMUM 42 INCHES BELOW FINISH GRADE.

10. PROVIDE SHEETING, SHORING AND BRACING AS REQUIRED TO PROTECT ADJACENT STRUCTURES, ROADWAYS, AND UTILITIES.

11. FOOTING ELEVATIONS SHOWN ON PLAN ARE TO THE BOTTOM OF FOOTINGS (U.N.O.)

12. ALL FOOTINGS, SLABS, AND PADS SHALL BE FOUNDED ON NEWLY PLACED AND COMPACTED STRUCTURAL, GRANULAR SUBGRADE THAT IS FREE OF COAL, CINDERS, DEBRIS, AND ORGANIC MATERIALS.

13. LIGHT POLE FOUNDATION IS BASED ON UNCONFINED COMPRESSIVE STRENGTH OF qu=1.75 TSF

14. ALL FOOTING, SLAB, AND PAD SUBGRADES SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR METHOD (ASTM D-1557). ALL BACKFILL AROUND AND ABOVE ALL FOUNDATION ELEMENTS SHALL BE COMPACTED TO 90 PERCENT OF THE MAXIMUM DRY DENSITY BASED ON ASTM D-1557.

15. NO FOUNDATIONS SHALL BE PLACED ONTO OR AGAINST SUBGRADES CONTAINING FREE WATER, SOFT SOIL, LOOSE OR DISTURBED AGGREGATE, FROST, OR ICE.

16. ALL FOOTINGS, FOUNDATION WALLS AND PIERS SHALL BE FORMED.

17. BACKFILLING AGAINST GRADE BEAMS AND RETAINING STRUCTURES SHALL BE DONE EVENLY ON BOTH SIDES.

18. THE BASE OF ALL EXCAVATIONS MAY BE INSPECTED BY THE USING AGENCY OR BY THE USING AGENCY'S REPRESENTATIVE PRIOR TO THE PLACEMENT OF ANY CONCRETE OR BACKFILL TO ENSURE THAT THE PROPER BEARING STRATUM HAS BEEN REACHED AND THAT THE BASE OF THE EXCAVATIONS ARE IN SUITABLE CONDITION TO RECEIVE THE CONCRETE OR BACKFILL.

19. BACKFILL AGAINST EARTH-RETAINING STRUCTURES SHALL BE FREE DRAINING GRAVEL.

20. EARTH-RETAINING STRUCTURES ARE DESIGNED TO RESIST UNDRAINED LATERAL EARTH PRESSURES BASED ON THE FOLLOWING PARAMETERS SPECIFIED IN THE GEOTECHNICAL REPORT:

   20.A. ACTIVE PRESSURE COEFFICIENT ..... Ka = 0.33

   20.B. PASSIVE PRESSURE COEFFICIENT ..... Kp = 3.0

SPECIAL INSPECTION NOTES:

1. AN INDEPENDENT TESTING AGENCY WILL PERFORM SHOP AND FIELD TESTING OF MATERIALS. SPECIAL INSPECTIONS ARE REQUIRED AS FOLLOWS (REFER TO PROJECT SPECIFICATIONS FOR DETAILED INSPECTIONS AND TESTS):

   1.A. CONCRETE CONSTRUCTION - INSPECTIONS TO INCLUDE:

      1.A.1. SAMPLING/TESTING FRESH CONCRETE

      1.A.2. CONCRETE PLACEMENT

      1.A.3. REINFORCING STEEL PLACEMENT

      1.A.4 CONCRETE MIX DESIGN COMPLIANCE

      1.A.5. CONCRETE CURING

   1.B. SOILS - INSPECTIONS TO INCLUDE:

      1.B.1. SITE PREPARATION

      1.B.2. FILL PLACEMENT

      1.B.3. IN-PLACE DENSITY - COMPACTION

2. IF THE ABOVE SPECIFIED PERCENTAGES RESULT IN FEWER NUMBER OF TESTS THAN (3) IN EACH CATEGORY, PERFORM (3) TESTS OR 100%, WHICHEVER IS FEWER.

STRUCTURAL LOADING AND DESIGN CRITERIA

1. BUILDING CODE: INTERNATIONAL BUILDING CODE, 2009 EDITION (IBC 2009)

2. DEAD LOADS:

   2.A. SELF-WEIGHT OF THE STRUCTURE INCLUDING ATTACHMENTS

3. WIND LOAD:

   3.A. DESIGN WIND SPEED, V = 115 MPH

   3.B. RISK CATEGORY = II

   3.C. WIND EXPOSURE CATEGORY = C

   3.D. DESIGN WIND PRESSURE FOR LIGHT POLE = 50.6 PSF

4. SEISMIC LOAD:

   4.A. RISK CATEGORY = II

   4.B. SITE CLASS = E

   4.C. IMPORTANCE FACTOR = 1.0

   4.D. SEISMIC DESIGN PARAMETERS

      Ss = 0.145

      S1 = 0.062

      SDS = 0.241

      SD1 = 0.145

   4.E. SEISMIC DESIGN CATEGORY = C

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

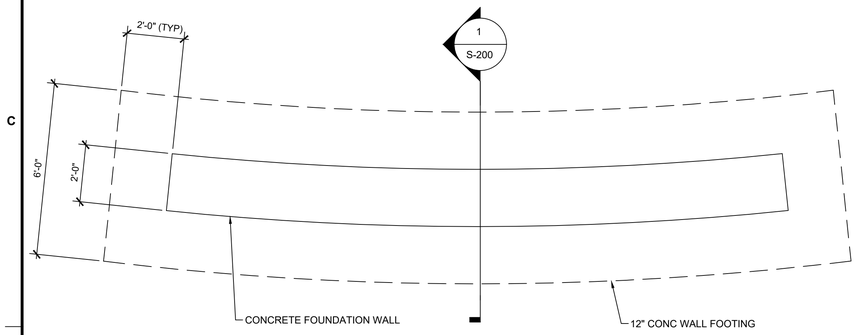
Project Number	24255
Issue	100% CD SET
Date	07/31/2026

STRUCTURAL GENERAL NOTES

S-100

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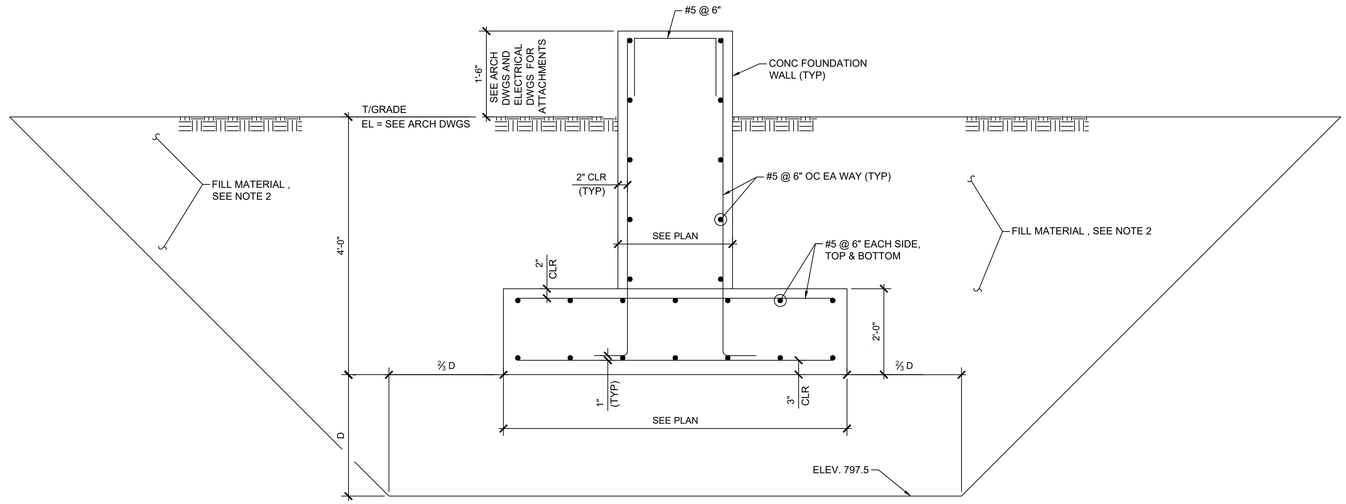
File Location: P:\2024\24024781.00\Drawings\Current Drawing Files\CADD Sheets\S100 - Structural General Notes / SAVE DATE: 6/24/2026 4:13 PM BY: AMeshkova / PLOT DATE: 9/2/2026 4:02 PM BY: Anastasia Meshkova



FOUNDATION PLAN AT MONUMENT SIGN

SCALE: 1" = 30'

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS OF WALL AND ALL INFORMATION NOT INCLUDED.



1 FOUNDATION SECTION AT MONUMENT SIGN

SCALE: 1" = 15'

NOTES:
1. FOUNDATION EXCAVATION SHOULD BE WIDENED IN ACCORDANCE WITH APPENDIX D OF RUBINO REPORT G23.178 DATED DECEMBER 4, 2023.

2. THE FILL PLACED AROUND THE MONUMENT SIGN MUST BE DEPOSITED ON BOTH SIDES AT THE SAME TIME AND TO APPROXIMATELY SAME ELEVATION. AT NO TIME THE FILL BEHIND THE ONE SIDE OF WALL CAN BE MORE THAN 1'-0" HIGHER THAN THE FILL ON THE OPPOSITE SIDE. BACK FILL MATERIAL SHALL BE COMPACTED/VIBRATED ACCORDING TO THE APPENDIX D OF THE RUBINOS REPORT G.23.178 DATED DECEMBER 4, 2023.

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Revision Schedule

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KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	07/31/2026

STRUCTURAL FOUNDATION PLANS AND SECTIONS

S-200

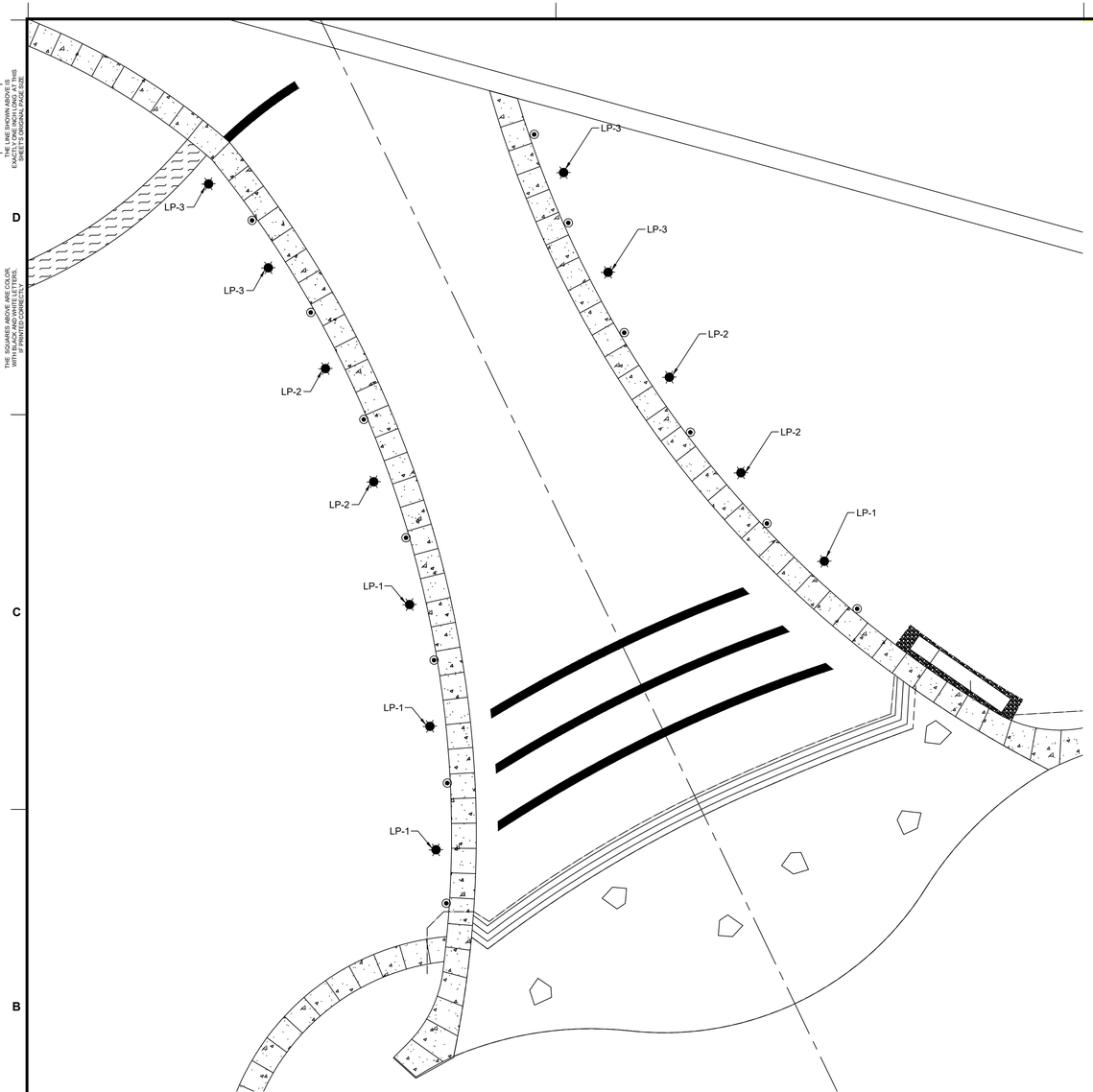
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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEET'S ORIGINAL PAPER SIZE.
THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE LETTERS. IF NOT CORRECT, [illegible]

File Location: P:\2024\24240781.00\Drawings\Current Drawing Files\CADD Sheets\S200 - Structural Foundation Plans and Sections / SAVE DATE: 6/24/2026 4:13 PM BY: AMeshkova / PLOT DATE: 9/22/26 4:02 PM BY: Anastasia Meshkova

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEET'S ORIGINAL SCALE

THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECTLY

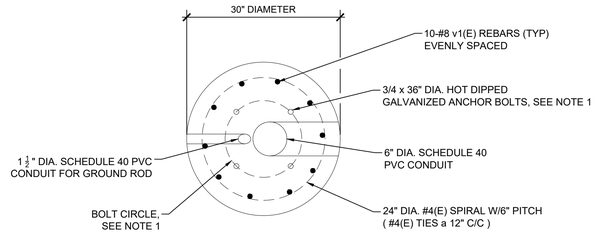


PLAN VIEW

NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR LIGHT POLE LOCATION AND ALL INFORMATION NOT INCLUDED

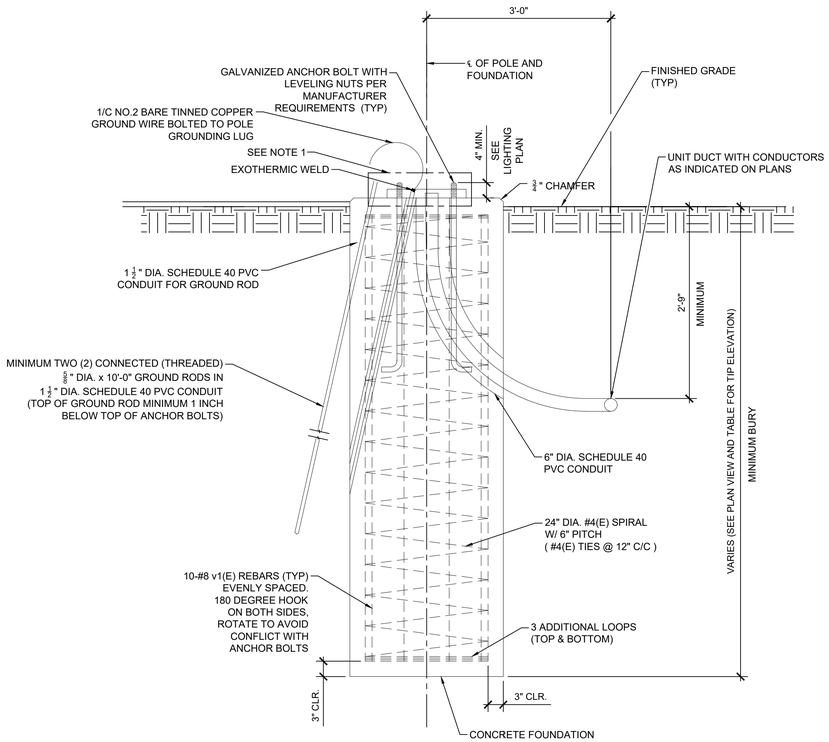
TIP ELEVATION

NAME	APPROX. TIP ELEV.
LP-1	787.0
LP-2	791.8
LP-3	795.9



PLAN

SCALE: N.T.S.



ELEVATION

SCALE: N.T.S.

NOTE 1: BOLT POLE BASE PER MANUFACTURER INSTRUCTIONS WITH MINIMUM (4) ANCHOR BOLTS 3/4"X36" (GALVANIZED) AND 10" DIAMETER BOLT CIRCLE

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Revision Schedule

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KOLLAR POND - PHASE 1

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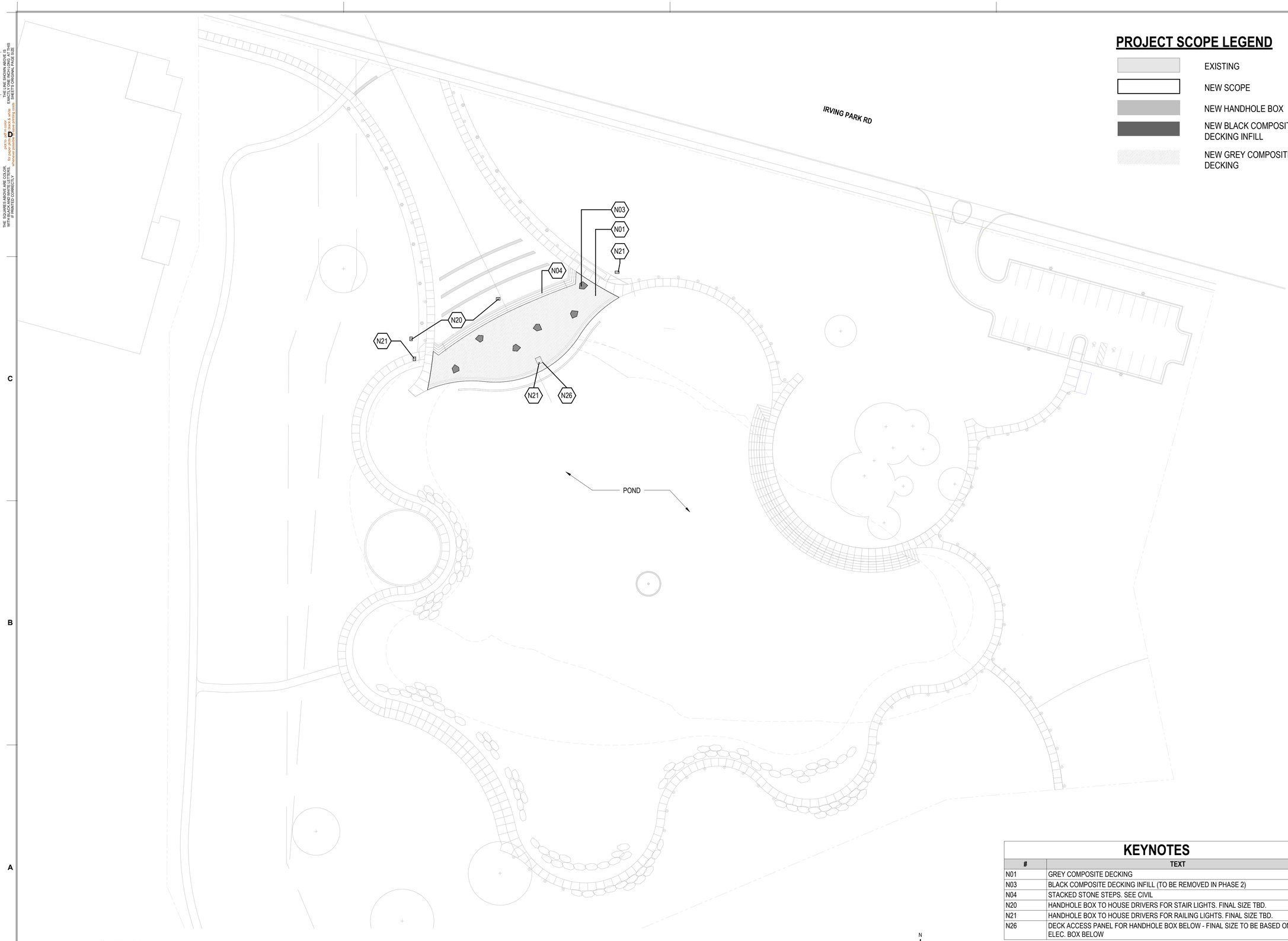
Project Number	24255
Issue	100% CD SET
Date	07/31/2026

LIGHT POLE FOUNDATION DETAILS

S-201

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PROJECT SCOPE LEGEND

- EXISTING
- NEW SCOPE
- NEW HANDHOLE BOX
- NEW BLACK COMPOSITE DECKING INFILL
- NEW GREY COMPOSITE DECKING

KEYNOTES

#	TEXT
N01	GREY COMPOSITE DECKING
N03	BLACK COMPOSITE DECKING INFILL (TO BE REMOVED IN PHASE 2)
N04	STACKED STONE STEPS. SEE CIVIL
N20	HANDHOLE BOX TO HOUSE DRIVERS FOR STAIR LIGHTS. FINAL SIZE TBD.
N21	HANDHOLE BOX TO HOUSE DRIVERS FOR RAILING LIGHTS. FINAL SIZE TBD.
N26	DECK ACCESS PANEL FOR HANDHOLE BOX BELOW - FINAL SIZE TO BE BASED ON ELEC. BOX BELOW

1 SITE PLAN

1/32" = 1'-0"

N

96' 48' 24' 0

SCALE: 1/32" = 1'-0"

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KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

SITE PLAN

A-100.1

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THE LINE SHOWN ABOVE IS EXACTLY 1" LONG ON ORIGINAL DRAWING. IF THIS LINE IS NOT 1" LONG, THIS DRAWING HAS BEEN REDUCED OR ENLARGED.
plot to .pdf in color
for paper plot: black & white
THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE LETTERS. PRINT TO CONFIRM.
C M Y

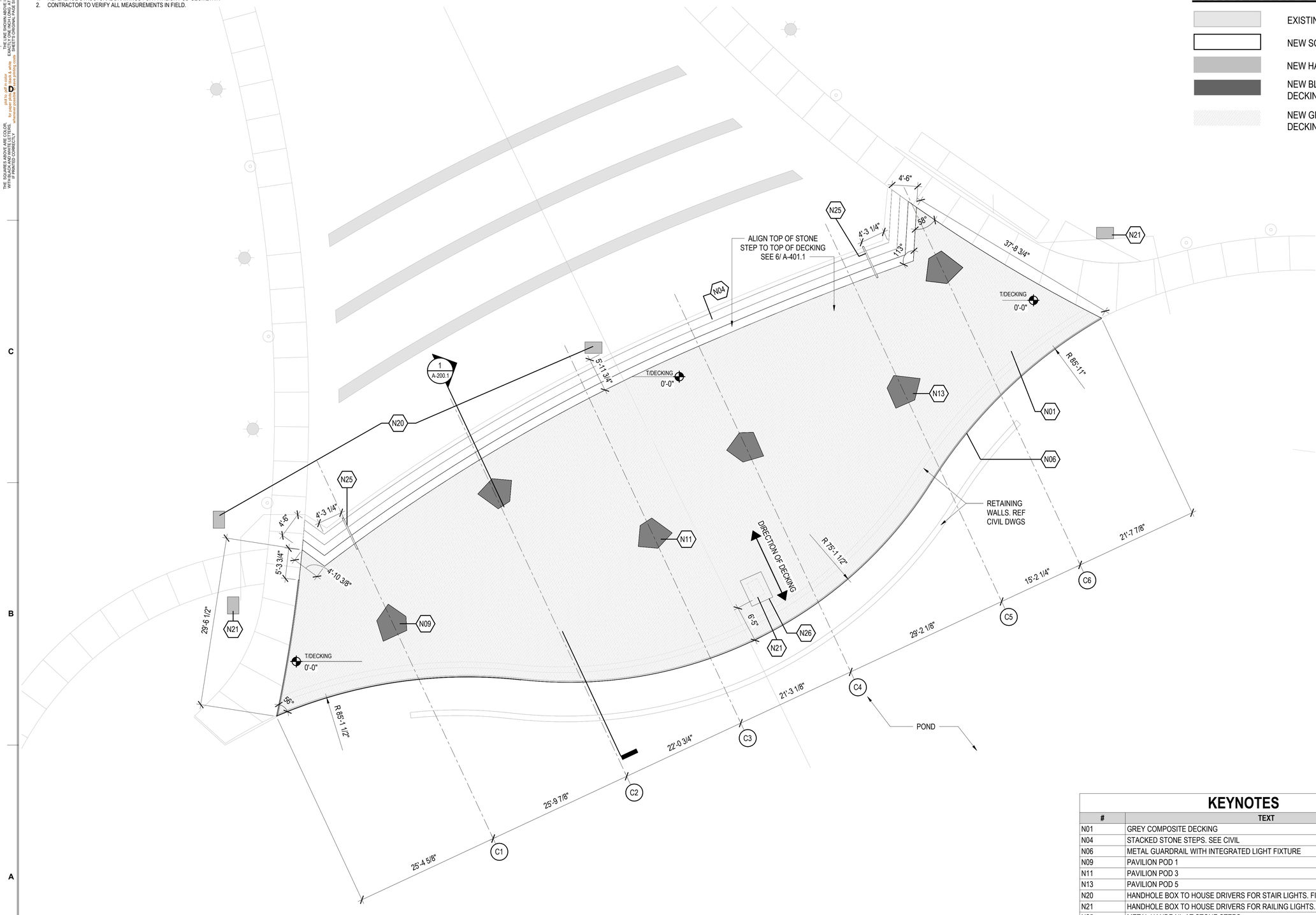
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FLOOR PLAN NOTES

1. REFERENCE STRUCTURAL DRAWINGS FOR PAVILION POD GEOMETRY.
2. CONTRACTOR TO VERIFY ALL MEASUREMENTS IN FIELD.

PROJECT SCOPE LEGEND

- EXISTING
- NEW SCOPE
- NEW HANDHOLE BOX
- NEW BLACK COMPOSITE DECKING INFILL
- NEW GREY COMPOSITE DECKING



KEYNOTES

#	TEXT
N01	GREY COMPOSITE DECKING
N04	STACKED STONE STEPS. SEE CIVIL
N06	METAL GUARDRAIL WITH INTEGRATED LIGHT FIXTURE
N09	PAVILION POD 1
N11	PAVILION POD 3
N13	PAVILION POD 5
N20	HANDHOLE BOX TO HOUSE DRIVERS FOR STAIR LIGHTS. FINAL SIZE TBD.
N21	HANDHOLE BOX TO HOUSE DRIVERS FOR RAILING LIGHTS. FINAL SIZE TBD.
N25	METAL HANDRAIL AT STONE STEPS
N26	DECK ACCESS PANEL FOR HANDHOLE BOX BELOW - FINAL SIZE TO BE BASED ON ELEC. BOX BELOW

N

16' 8' 4' 0

SCALE: 1/8" = 1'-0"

1 FLOOR PLAN
1/8" = 1'-0"

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

FLOOR PLAN - LEVEL1

A-101.1

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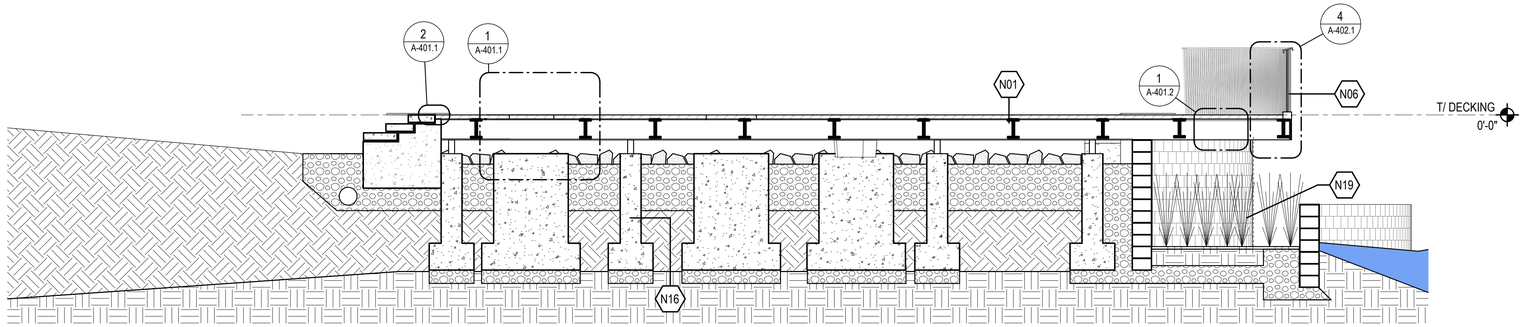
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GENERAL NOTES

1. TOP OF FINISH DECK ELEVATION 0'-0" EQUIVALENT TO ELEVATION 803.50 (SHOWN ON CIVIL DWGS).

PROJECT SCOPE LEGEND

- EXISTING
- NEW SCOPE
- NEW HANDHOLE BOX
- NEW BLACK COMPOSITE DECKING INFILL
- NEW GREY COMPOSITE DECKING



KEYNOTES

#	TEXT
N01	GREY COMPOSITE DECKING
N06	METAL GUARDRAIL WITH INTEGRATED LIGHT FIXTURE
N16	CONCRETE FOUNDATIONS.SEE STRUCTURAL
N19	PLANTING SHELF & WALLS. SEE CIVIL

1 **CROSS SECTION**
1/4" = 1'-0"

8' 4' 2' 0
SCALE: 1/4" = 1'-0"

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

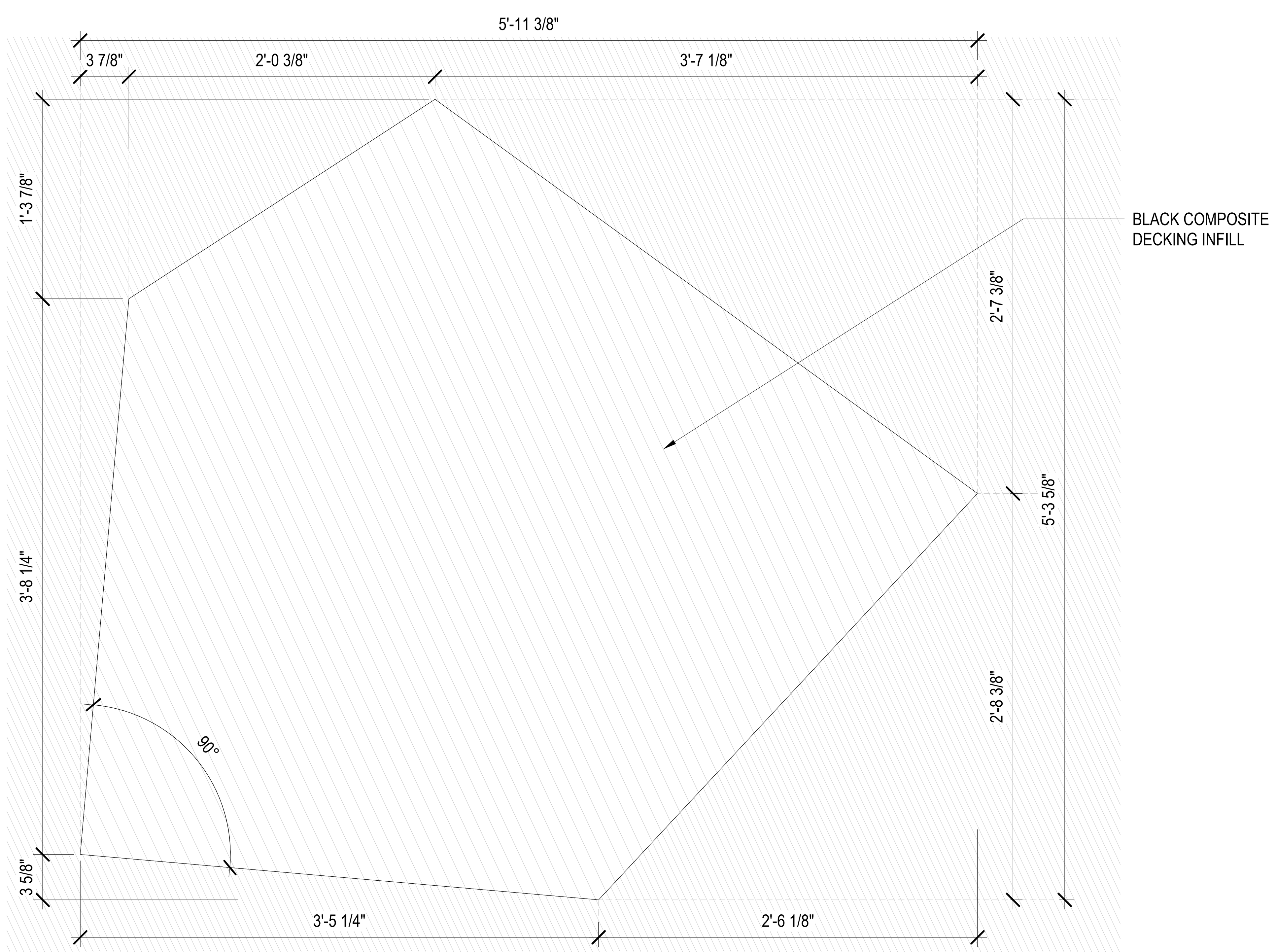
ELEVATIONS

A-200.1

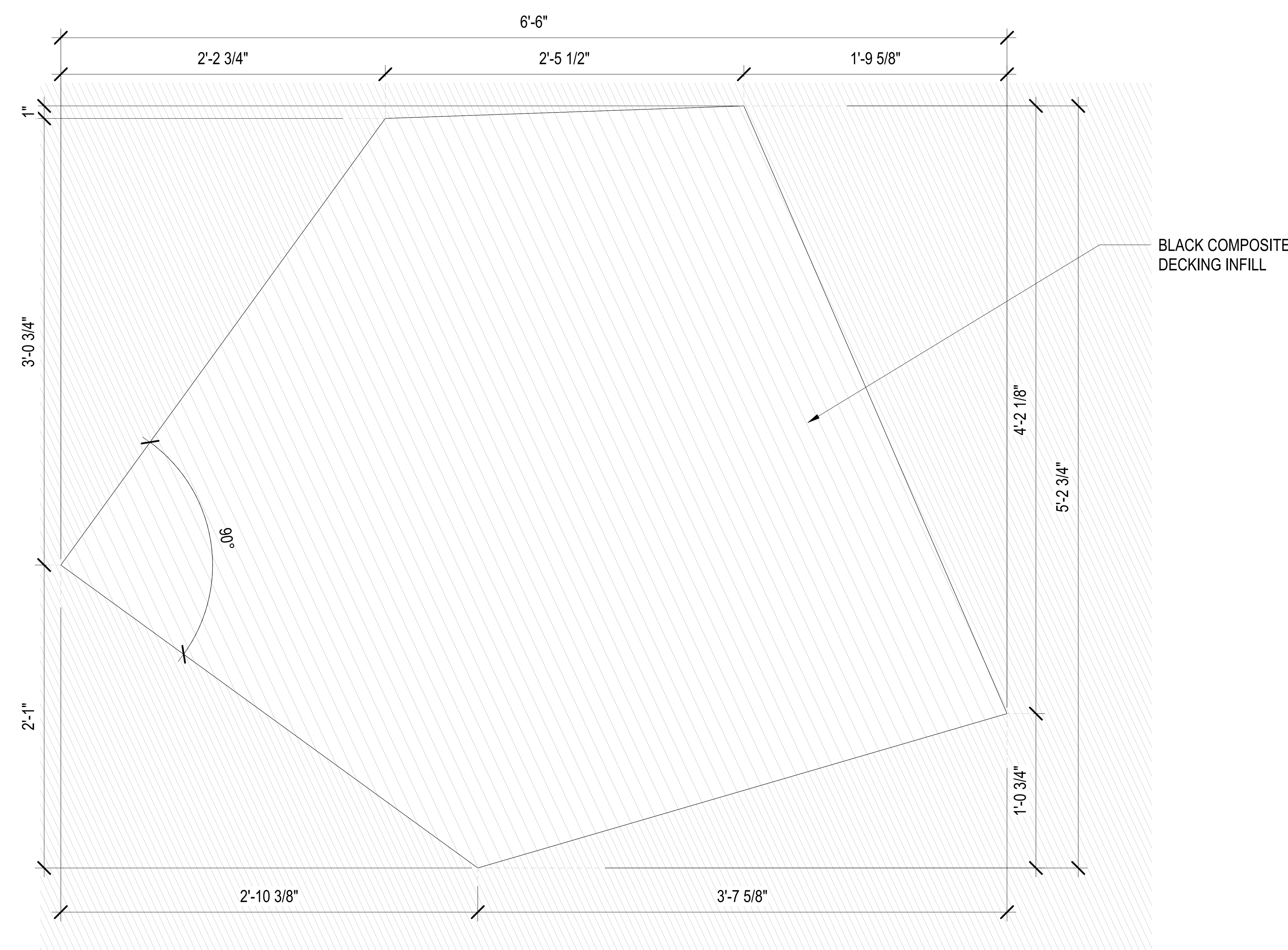
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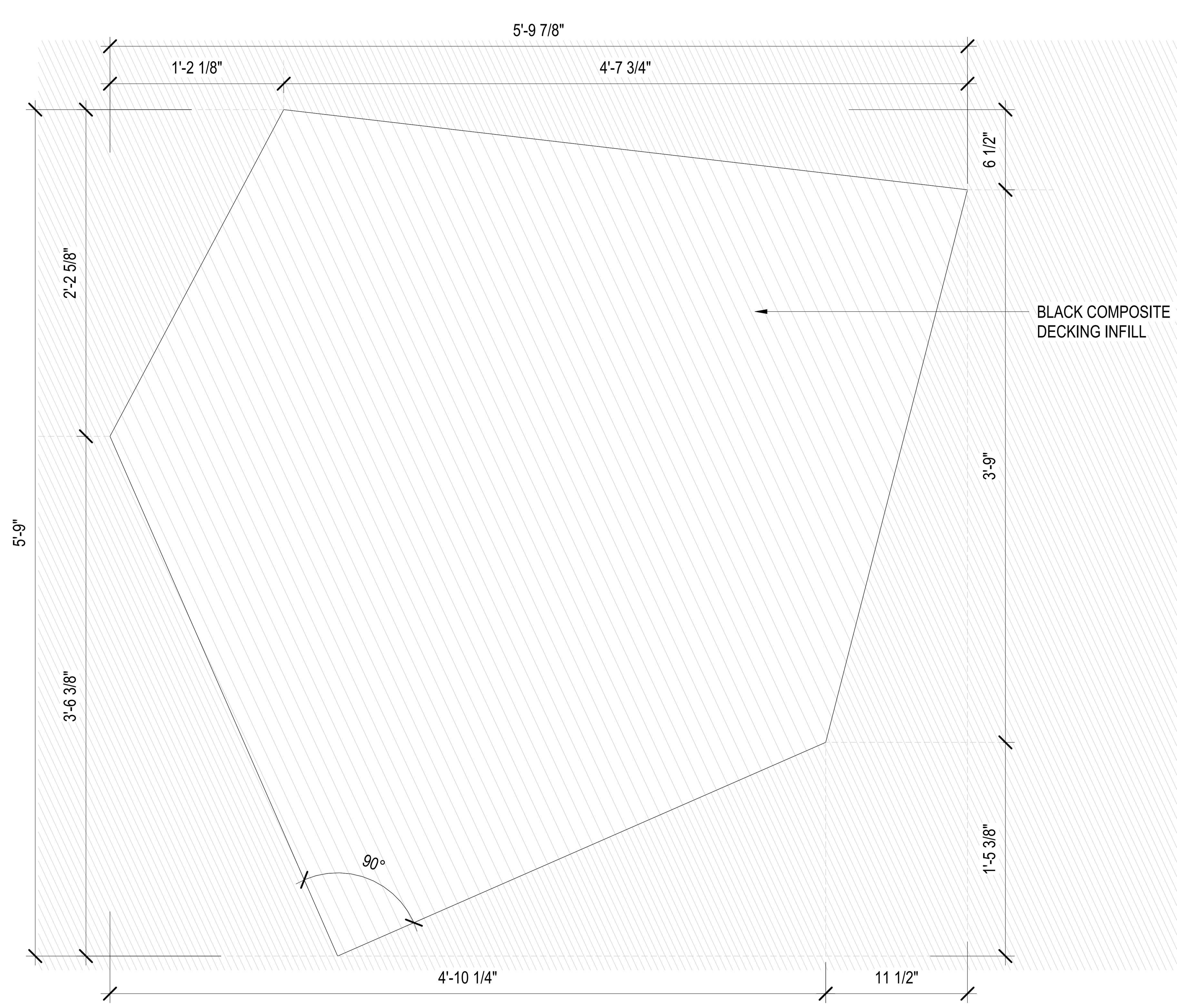
COMPOSITE DECKING INFILL DIMENSIONS



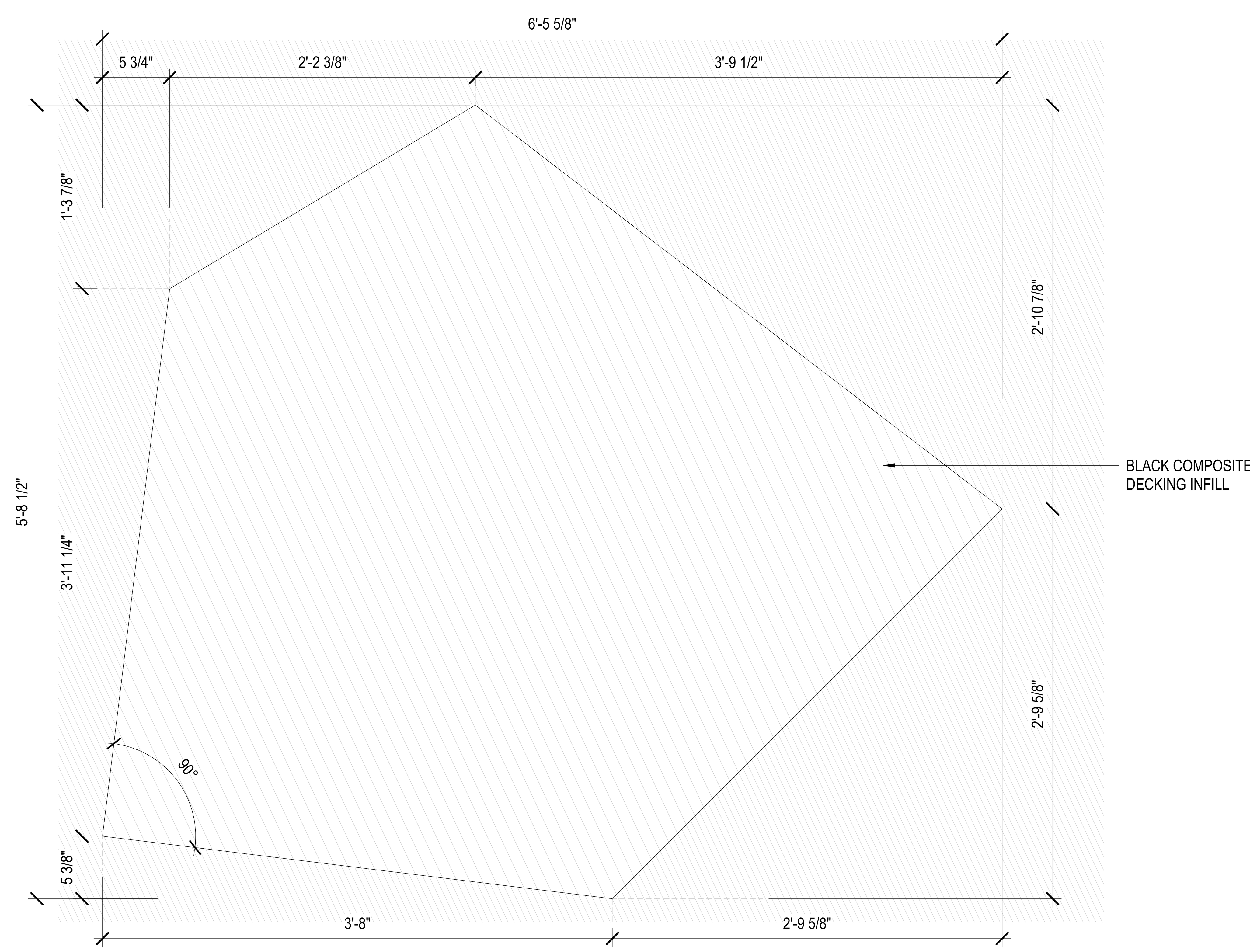
4 GROUP 1 - POD 2&3
1 1/2" = 1'-0"



3 GROUP 2 - POD 1&4
1 1/2" = 1'-0"



2 GROUP 3 - POD 5
1 1/2" = 1'-0"



1 GROUP 4 - POD 6
1 1/2" = 1'-0"

24" 16" 8" 0
SCALE: 1 1/2" = 1'-0"

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

ENLARGED
PLAN -
COMPOSITE
DECKING INFILL

A-201.1

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1 RENDERING - SOUTHEAST VIEW

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
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Revision Schedule

No.	Date	Description

VILLAGE OF STREAMWOOD EST. 1957

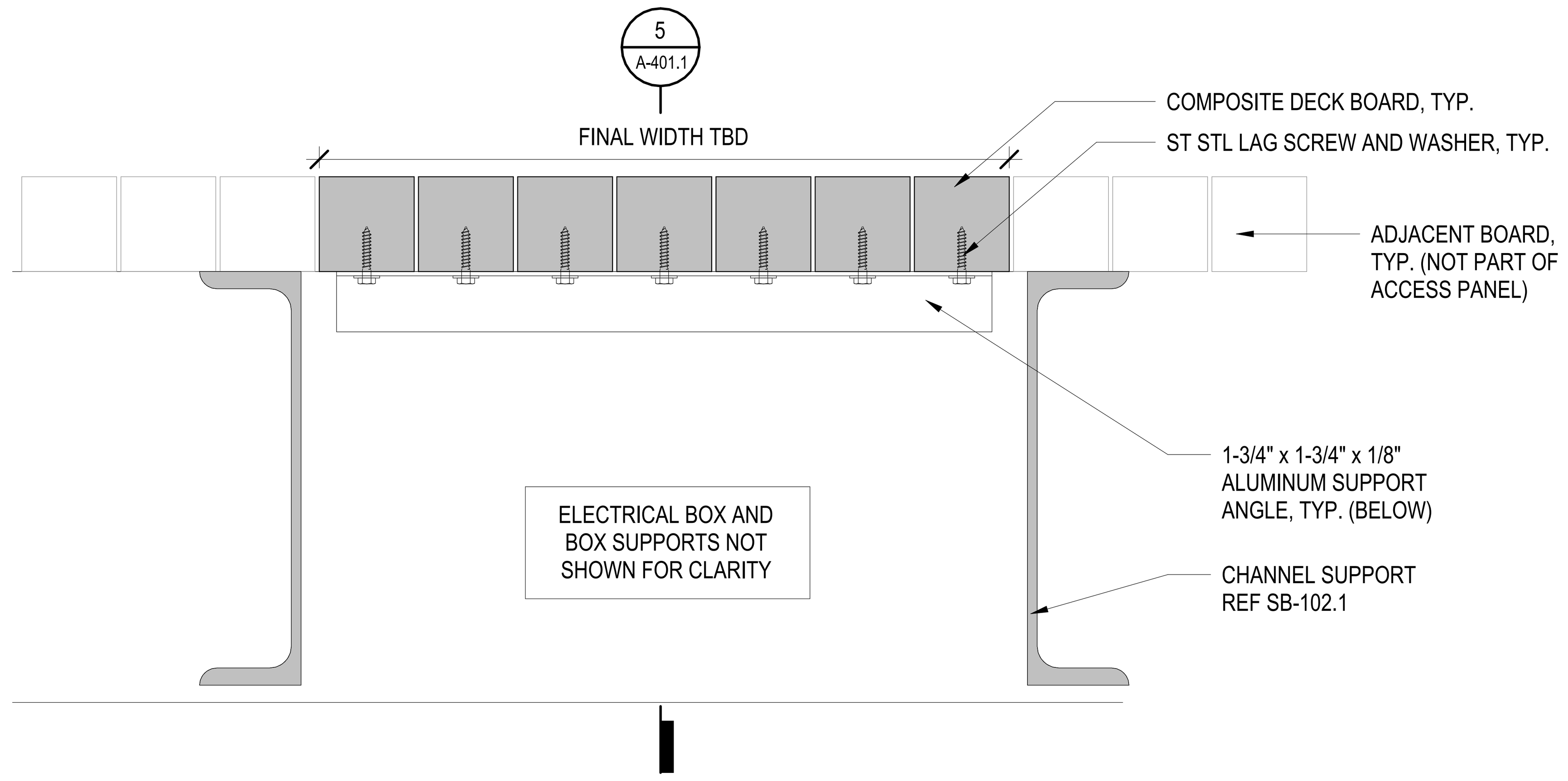
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VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

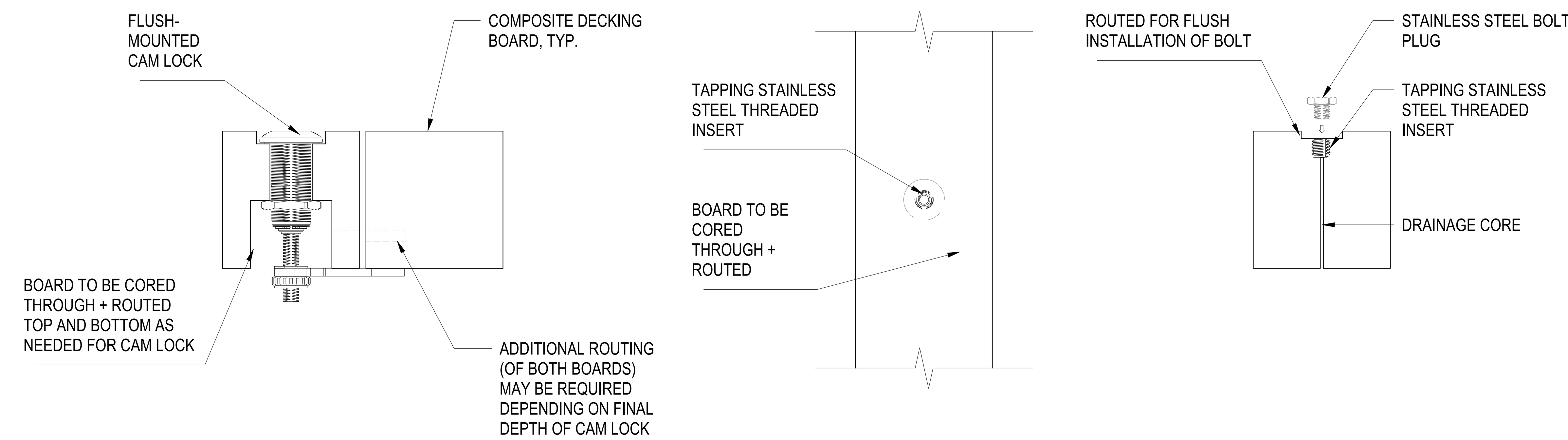
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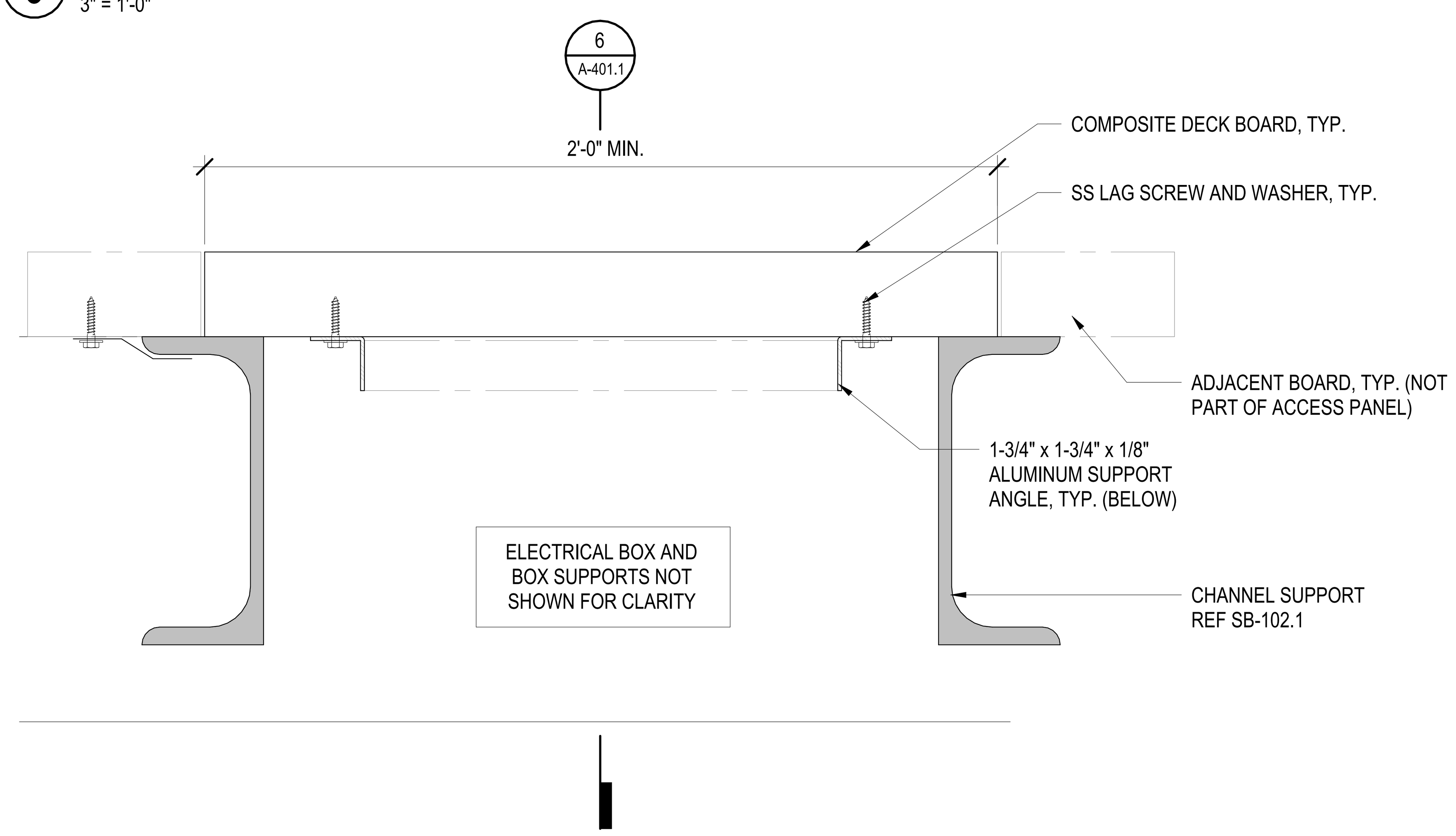
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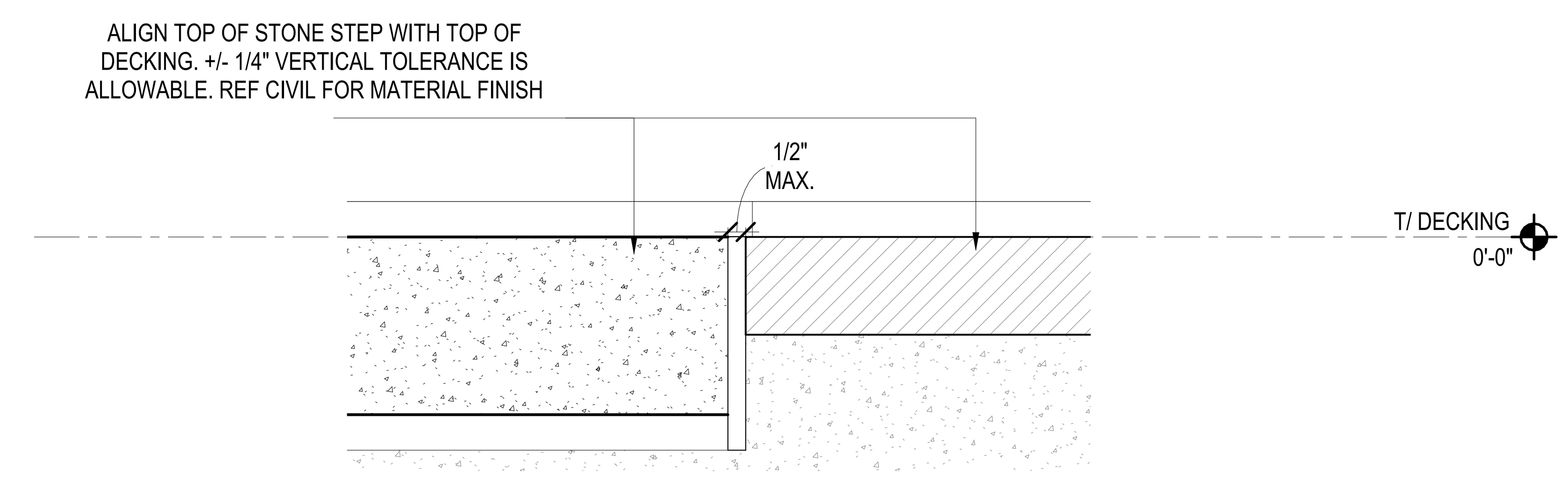
6 COMPOSITE DECK ACCESS HATCH SECTION DETAIL 1
3" = 1'-0"



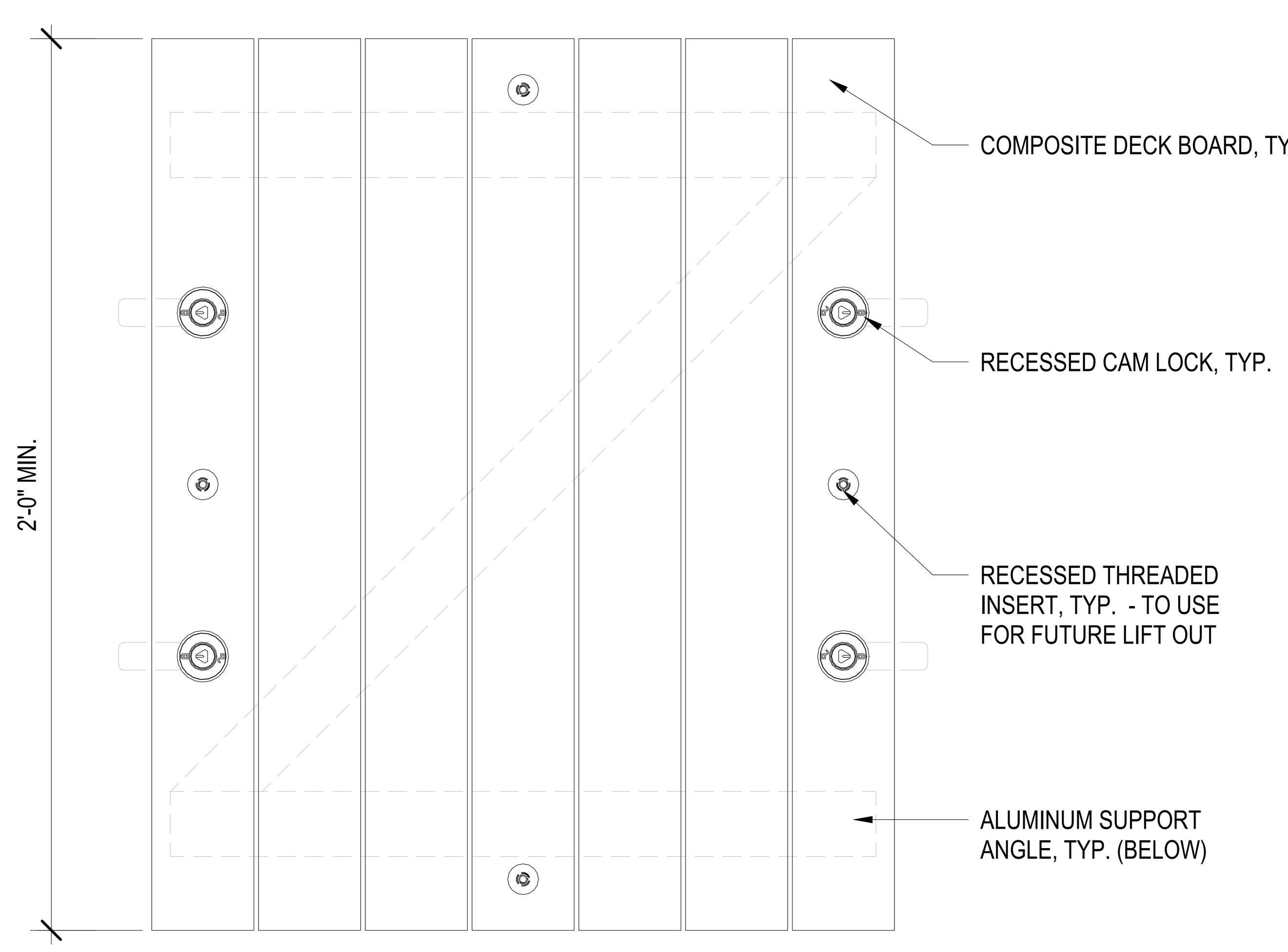
3 COMPOSITE DECK ACCESS HATCH DETAILS
6" = 1'-0"



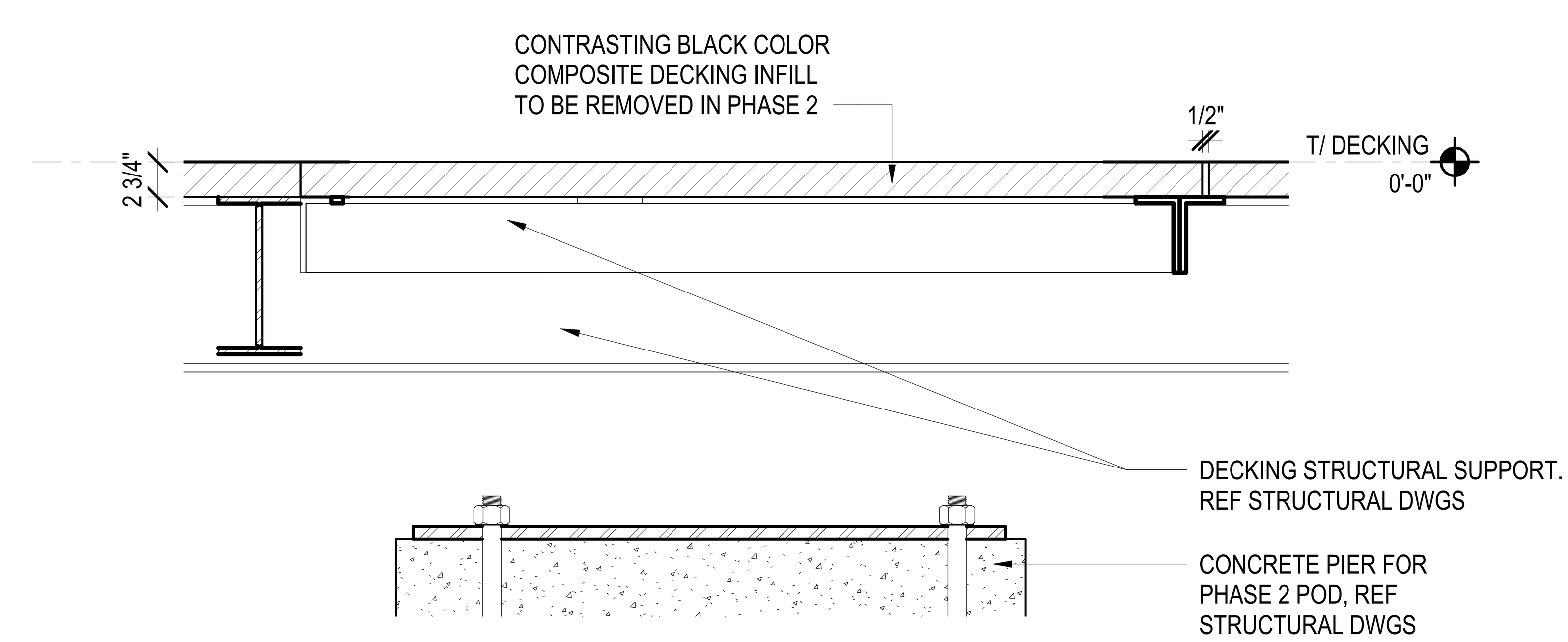
5 COMPOSITE DECK ACCESS HATCH SECTION DETAIL 2
3" = 1'-0"



2 STONE STEP AND DECKING CONNECTION CONDITION
3" = 1'-0"



4 COMPOSITE DECK ACCESS HATCH PLAN DETAIL
3" = 1'-0"



1 COLUMN BASE PLATE DETAIL
1" = 1'-0"

2' 1' 0.5' 0
SCALE: 1" = 1'-0"

24" 16" 8" 0
SCALE: 1 1/2" = 1'-0"

12" 8" 4" 0
SCALE: 3" = 1'-0"

6" 4" 2" 0
SCALE: 6" = 1'-0"

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
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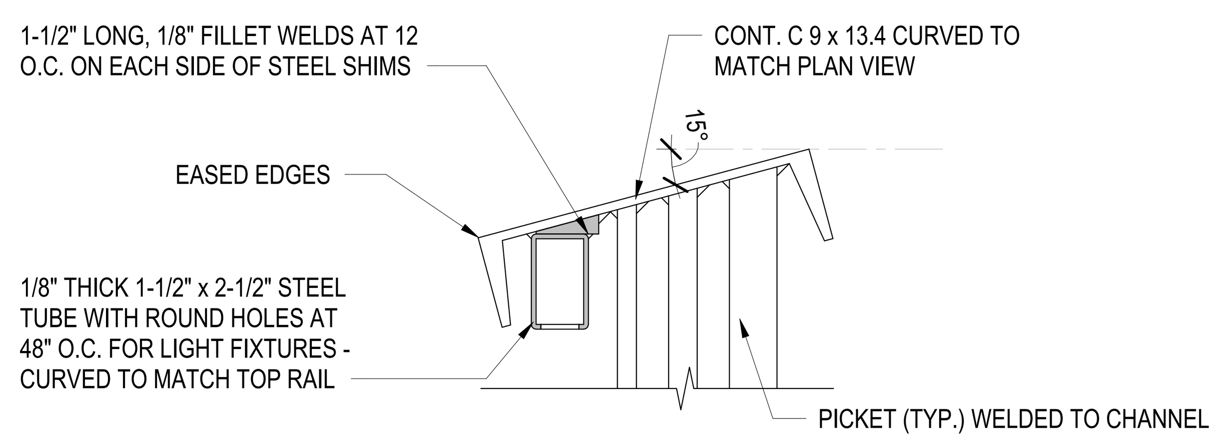
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Issue	100% CD SET
Date	2026-07-31

DETAILS

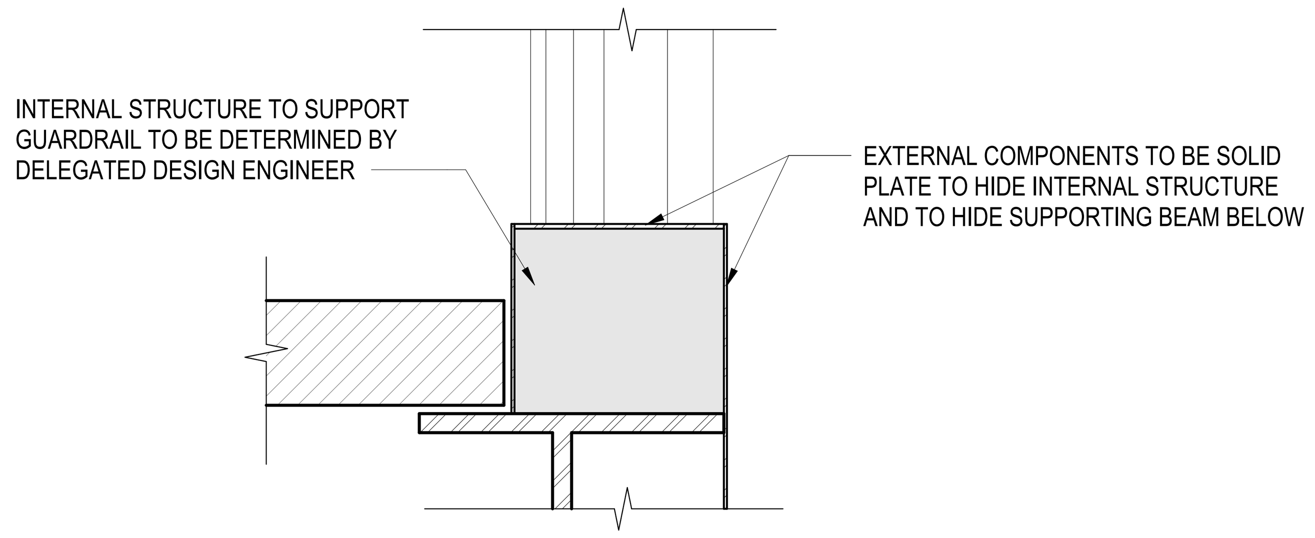
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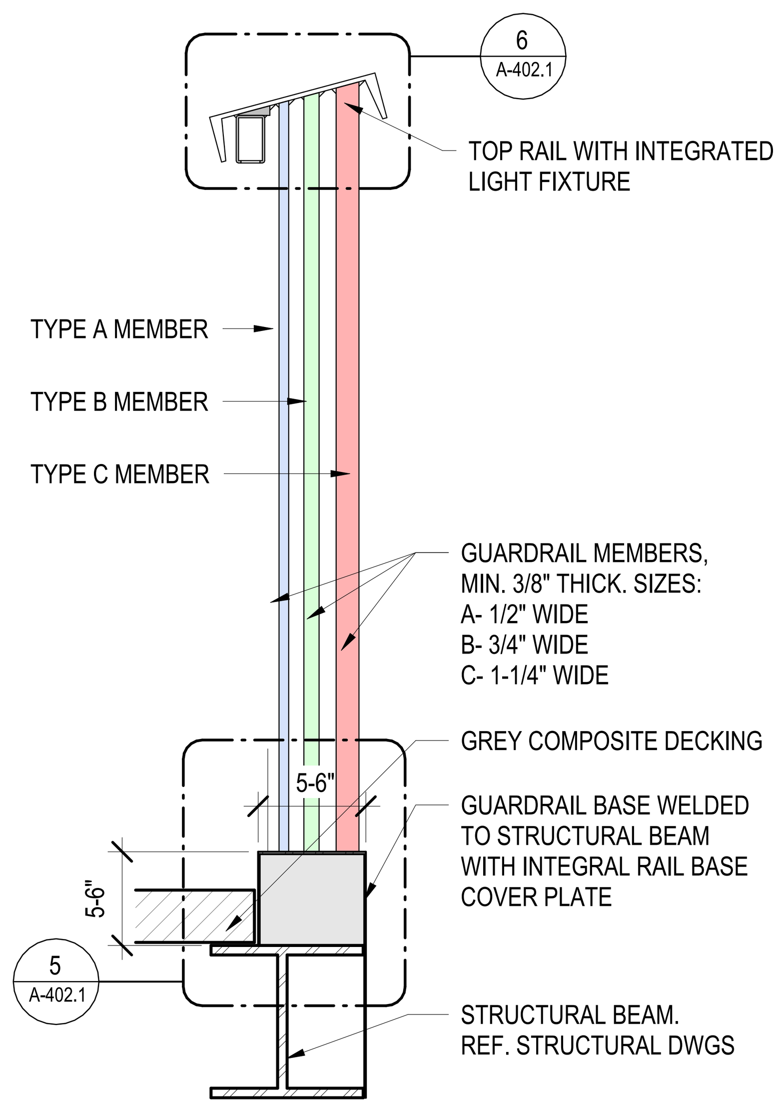
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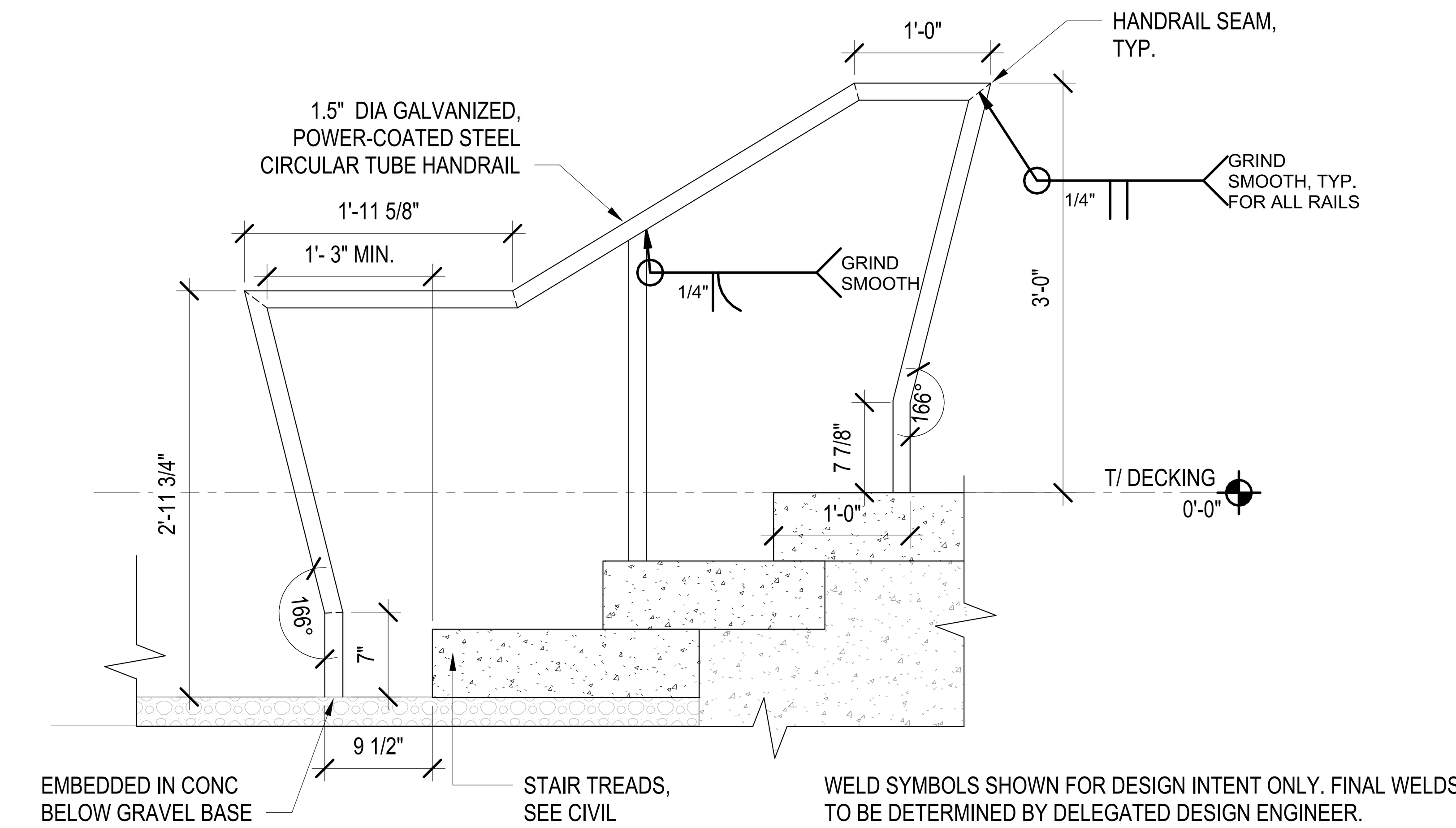
6 TOP RAIL DETAIL
3" = 1'-0"



5 TYP TOP MOUNTED - GUARDRAIL BASE
3" = 1'-0"

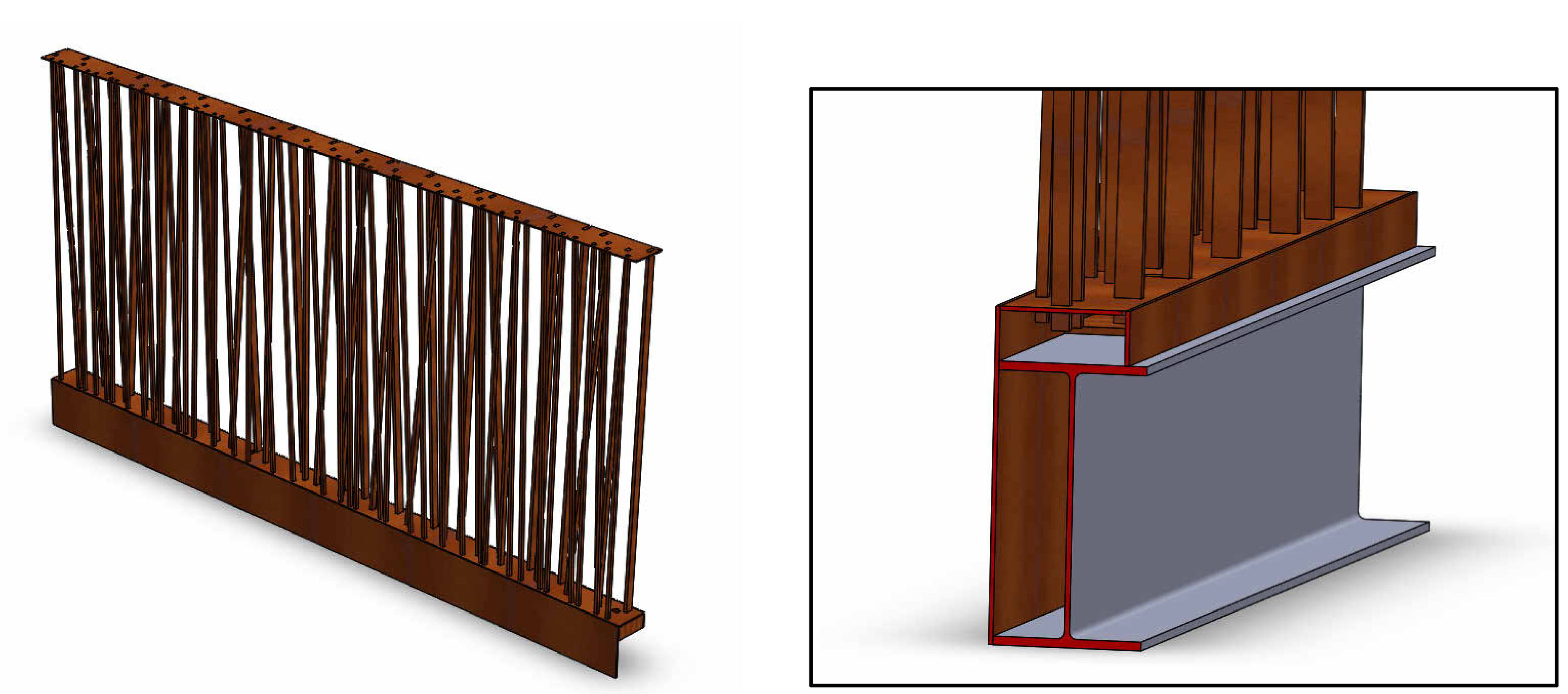


4 TYP TOP MOUNTED - GUARDRAIL SECTION
1 1/2" = 1'-0"



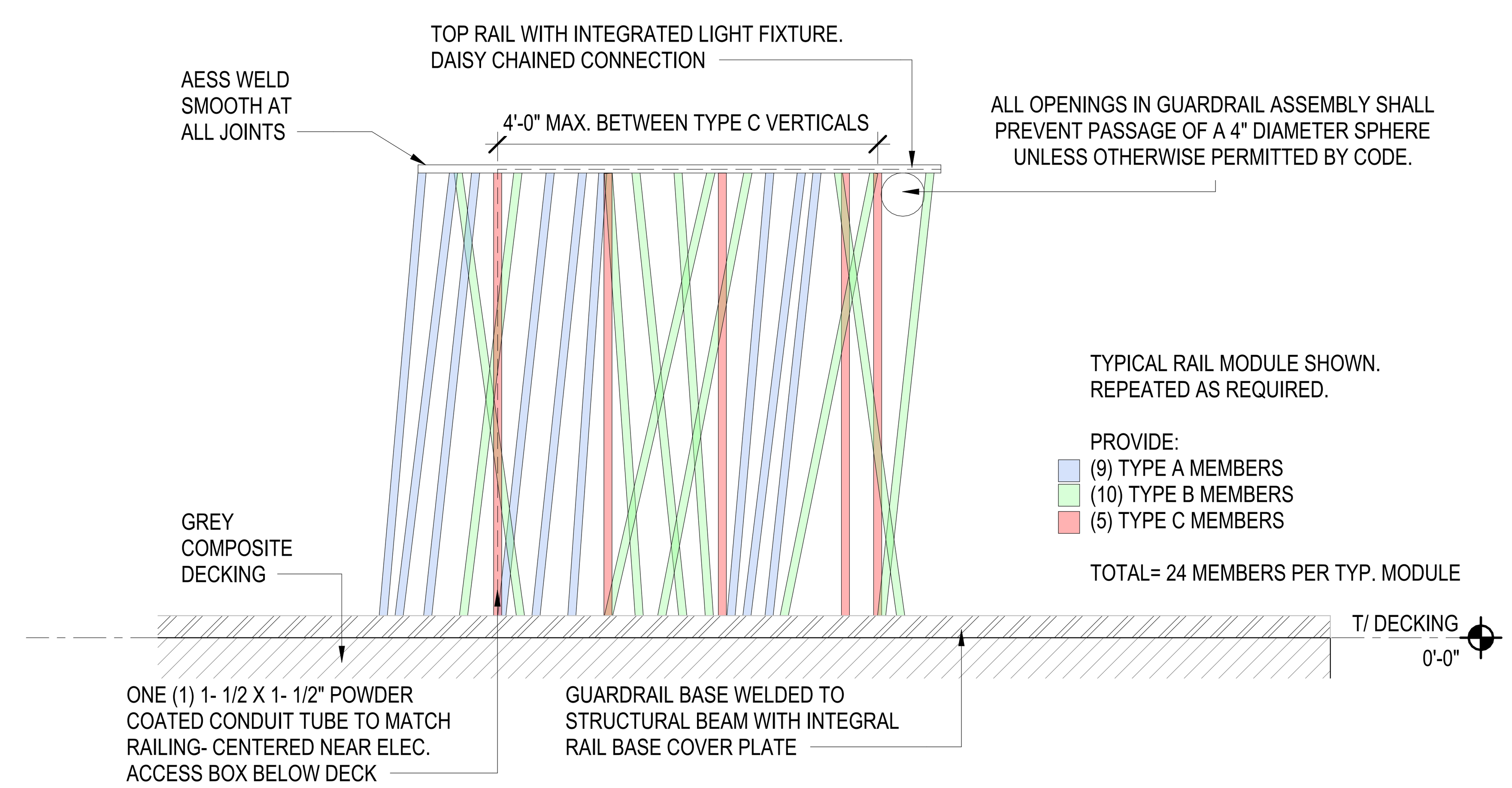
WELD SYMBOLS SHOWN FOR DESIGN INTENT ONLY. FINAL WELDS TO BE DETERMINED BY DELEGATED DESIGN ENGINEER.

3 HANDRAIL DETAIL AT STONE STEPS
1" = 1'-0"



MEMBERS ARE SHOWN FOR DESIGN INTENT ONLY. FINAL MEMBER SHAPES AND SIZES ARE TO BE DETERMINED BY THE DELEGATED DESIGN ENGINEER.

1 BRIDGE RAILING REFERENCE IMAGE
1" = 1'-0"



TYPICAL RAIL MODULE SHOWN. REPEATED AS REQUIRED.

PROVIDE:
- (9) TYPE A MEMBERS
- (10) TYPE B MEMBERS
- (5) TYPE C MEMBERS

TOTAL= 24 MEMBERS PER TYP. MODULE

DESIGN INTENT IS BASED ON THE STREETLIFE BOWIE GUARDRAIL SYSTEM. DESIGN SHALL MAINTAIN THE APPEARANCE, PROPORTIONS, MEMBER SIZES, AND VISUAL CHARACTER OF THE STREETLIFE BOWIE BRIDGE BASIS-OF- DESIGN.

PROVIDE A CUSTOM-FABRICATED RAILING MATCHING THE VISUAL CHARACTER, VARYING MEMBER WIDTHS, AND RANDOMIZED MEMBER COMPOSITION OF THE DESIGN INTENT. MEMBER LAYOUT SHOWN IS DIAGRAMMATIC; FABRICATOR MAY ADJUST MEMBER LOCATIONS AS REQUIRED, PROVIDED THE OVERALL DESIGN INTENT IS MAINTAINED AND ALL APPLICABLE STRUCTURAL AND CODE REQUIREMENTS ARE MET.

COLORS SHOWN ARE FOR DIAGRAMMATIC PURPOSES ONLY TO IDENTIFY MEMBER TYPES AND SIZES. PROVIDE UNIFORM FINISH COLOR FOR ALL RAILING COMPONENTS AS SPECIFIED.

ALL STEEL RAILING COMPONENTS FINISH: GALVANIZED AND POWDER-COATED

2 RAILING ELEVATION
1" = 1'-0"

2' 1' 0.5' 0
SCALE: 1" = 1'-0"

24" 16" 8" 0
SCALE: 1 1/2" = 1'-0"

12" 8" 4" 0
SCALE: 3" = 1'-0"

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

RAILING DETAILS

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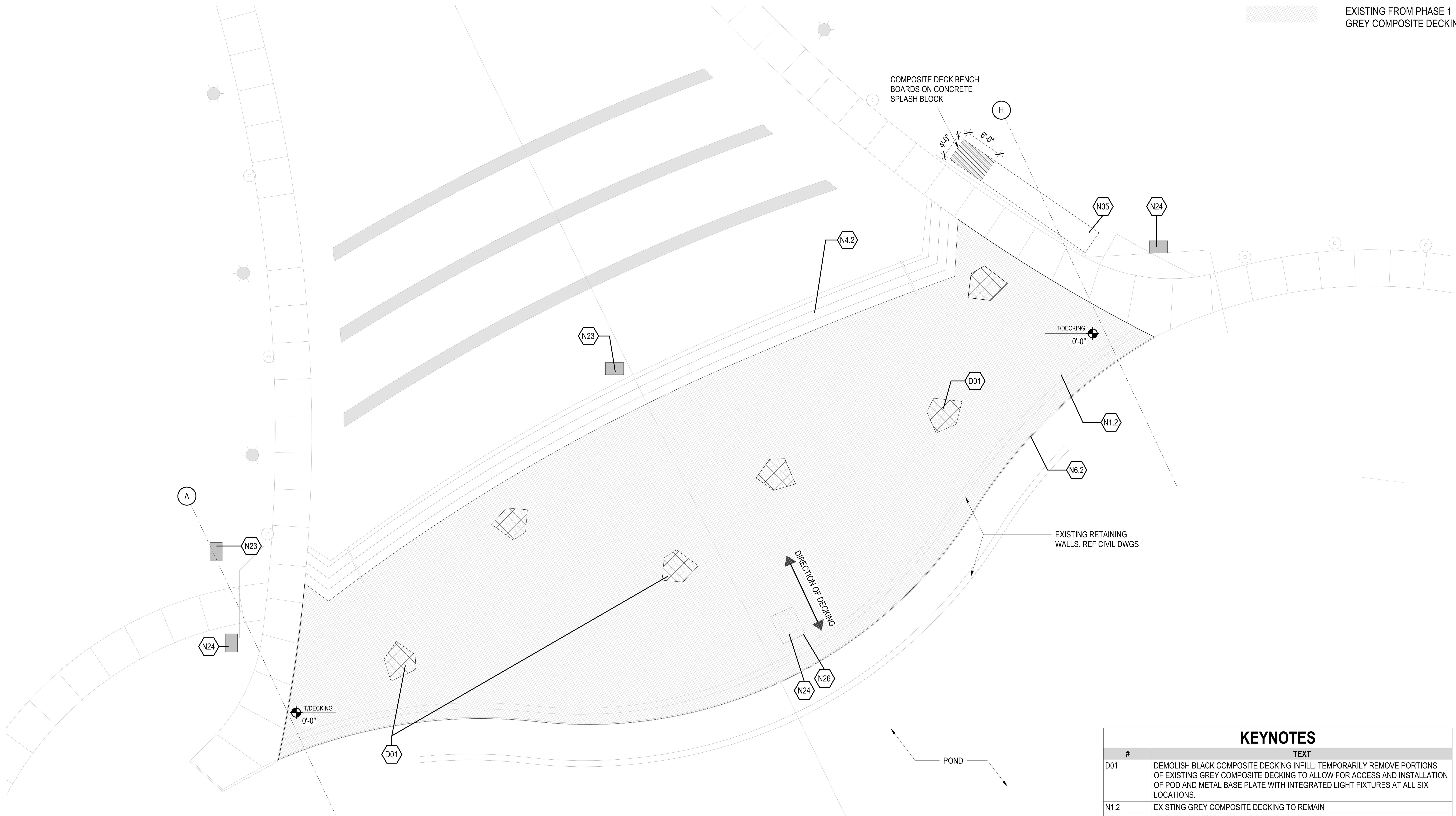
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GENERAL NOTES - DEMO PLANS

1. CONTRACTOR TO COORDINATE ALL REMOVAL WITH THE REQUIREMENTS OF NEW CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR COMPLETE REMOVAL OF ALL ITEMS ASSOCIATED WITHIN THE DEMOLISHED AREA.
2. CONTRACTOR TO DEVELOP A PLAN THAT IS COORDINATED TO FULLFILL ALL REQUIREMENTS OUTLINED IN THE PROJECT PHASING CONTRACT DOCUMENTS

DEMOLITION LEGEND

- DEMOLISH ELEMENT
- EXISTING
- NEW SCOPE
- EXISTING FROM PHASE 1 HANDHOLE BOX
- EXISTING FROM PHASE 1 GREY COMPOSITE DECKING



1 DEMOLITION PLAN - PHASE 2
1/8" = 1'-0"

N

KEYNOTES

#	TEXT
D01	DEMOLISH BLACK COMPOSITE DECKING INFILL. TEMPORARILY REMOVE PORTIONS OF EXISTING GREY COMPOSITE DECKING TO ALLOW FOR ACCESS AND INSTALLATION OF POD AND METAL BASE PLATE WITH INTEGRATED LIGHT FIXTURES AT ALL SIX LOCATIONS.
N1.2	EXISTING GREY COMPOSITE DECKING TO REMAIN
N4.2	EXISTING STACKED STONE STEPS. SEE CIVIL
N05	CAST IN PLACE CONCRETE SPLASH BLOCK & BENCH
N6.2	EXISTING METAL GUARDRAIL WITH INTEGRATED LIGHT FIXTURE. 196 LF
N23	EXISTING FROM PHASE 1 HANDHOLE BOX TO HOUSE DRIVERS FOR STAIR LIGHTS. FINAL SIZE TBD.
N24	EXISTING FROM PHASE 1 HANDHOLE BOX TO HOUSE DRIVERS FOR RAILING LIGHTS. FINAL SIZE TBD.
N26	DECK ACCESS PANEL FOR HANDHOLE BOX BELOW - FINAL SIZE TO BE BASED ON ELEC. BOX BELOW

16' 8' 4' 0
SCALE: 1/8" = 1'-0"

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(312) 432-4180

Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 2
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

DEMOLITION PLAN - LEVEL1

AD-101.2

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KEYNOTES

#	TEXT
N1.2	EXISTING GREY COMPOSITE DECKING TO REMAIN
N4.2	EXISTING STACKED STONE STEPS. SEE CIVIL
N08	LIQUID APPLIED PMMA ROOFING MEMBRANE

1 **SITE PLAN**
1/32" = 1'-0"

N

96' 48' 24' 0
SCALE: 1/32" = 1'-0"

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SITE PLAN

A-100.2

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FLOOR PLAN NOTES

1. REFERENCE STRUCTURAL DRAWINGS FOR PAVILION POD GEOMETRY.
2. CONTRACTOR TO VERIFY ALL MEASUREMENTS IN FIELD.

PROJECT SCOPE LEGEND

- EXISTING
- NEW SCOPE
- EXISTING FROM PHASE 1 HANDHOLE BOX
- EXISTING FROM PHASE 1 GREY COMPOSITE DECKING



KEYNOTES

#	TEXT
N1.2	EXISTING GREY COMPOSITE DECKING TO REMAIN
N1.3	REINSTALL GREY COMPOSITE DECKING TO ALIGN WITH METAL PLATE INTEGRAL LIGHT FIXTURE.
N02	PAINTED STRUCTURAL STEEL CANOPY ABOVE
N3.2	METAL BASE PLATE WITH INTEGRATED LIGHT FIXTURES
N4.2	EXISTING STACKED STONE STEPS. SEE CIVIL
N05	CAST IN PLACE CONCRETE SPLASH BLOCK & BENCH
N6.2	EXISTING METAL GUARDRAIL WITH INTEGRATED LIGHT FIXTURE. 196 LF
N11	PAVILION POD 3
N12	PAVILION POD 4
N13	PAVILION POD 5
N14	PAVILION POD 6
N23	EXISTING FROM PHASE 1 HANDHOLE BOX TO HOUSE DRIVERS FOR STAIR LIGHTS. FINAL SIZE TBD.
N24	EXISTING FROM PHASE 1 HANDHOLE BOX TO HOUSE DRIVERS FOR RAILING LIGHTS. FINAL SIZE TBD.
N25	METAL HANDRAIL AT STONE STEPS
N26	DECK ACCESS PANEL FOR HANDHOLE BOX BELOW - FINAL SIZE TO BE BASED ON ELEC. BOX BELOW

1 FLOOR PLAN
1/8" = 1'-0"

N

16' 8' 4' 0
SCALE: 1/8" = 1'-0"

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FLOOR PLAN - LEVEL1

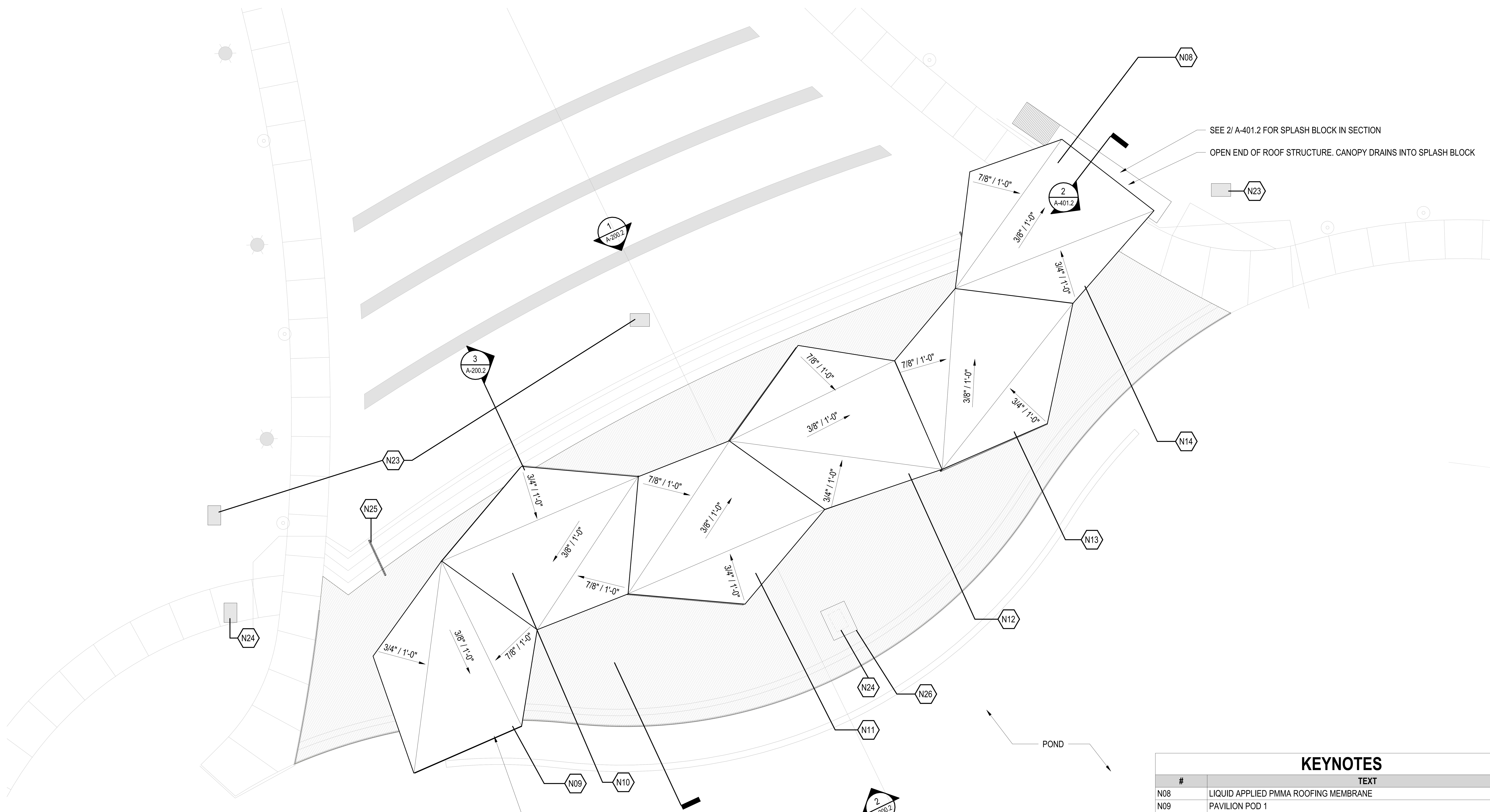
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ROOF PLAN NOTES

1. POD ROOF POSITION AND SLOPE ARE DESIGNED TO DRAIN INTO SPLASH BLOCK AND THE POND
2. CONTRACTOR TO VERIFY AND ADJUST PAVILION PODS LOCATION AS REQUIRED TO ENSURE ROOF DRAINAGE UPON ARCHITECT'S APPROVAL.



1 ROOF PLAN
1/8" = 1'-0"

N

KEYNOTES

#	TEXT
N08	LIQUID APPLIED PMMA ROOFING MEMBRANE
N09	PAVILION POD 1
N10	PAVILION POD 2
N11	PAVILION POD 3
N12	PAVILION POD 4
N13	PAVILION POD 5
N14	PAVILION POD 6
N23	EXISTING FROM PHASE 1 HANDHOLE BOX TO HOUSE DRIVERS FOR STAIR LIGHTS. FINAL SIZE TBD.
N24	EXISTING FROM PHASE 1 HANDHOLE BOX TO HOUSE DRIVERS FOR RAILING LIGHTS. FINAL SIZE TBD.
N25	METAL HANDRAIL AT STONE STEPS
N26	DECK ACCESS PANEL FOR HANDHOLE BOX BELOW - FINAL SIZE TO BE BASED ON ELEC. BOX BELOW

16' 8' 4' 0
SCALE: 1/8" = 1'-0"

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Revision Schedule

No.	Date	Description

VILLAGE OF STREAMWOOD EST. 1957

KOLLAR POND - PHASE 2
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

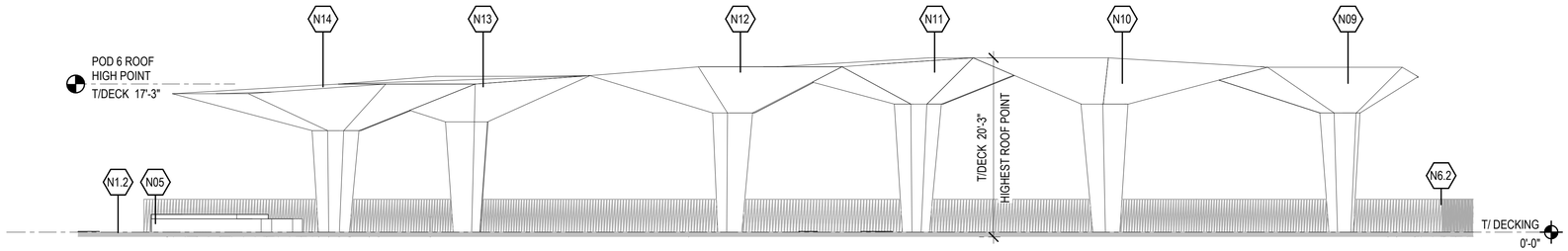
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ROOF PLAN

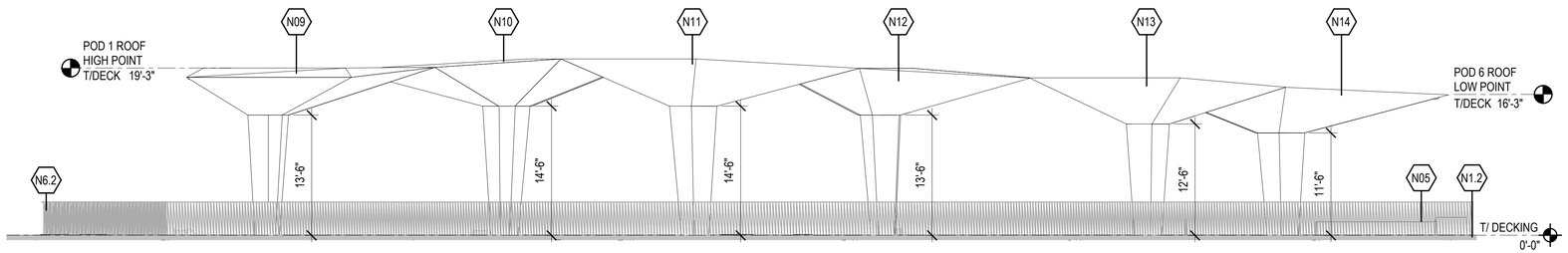
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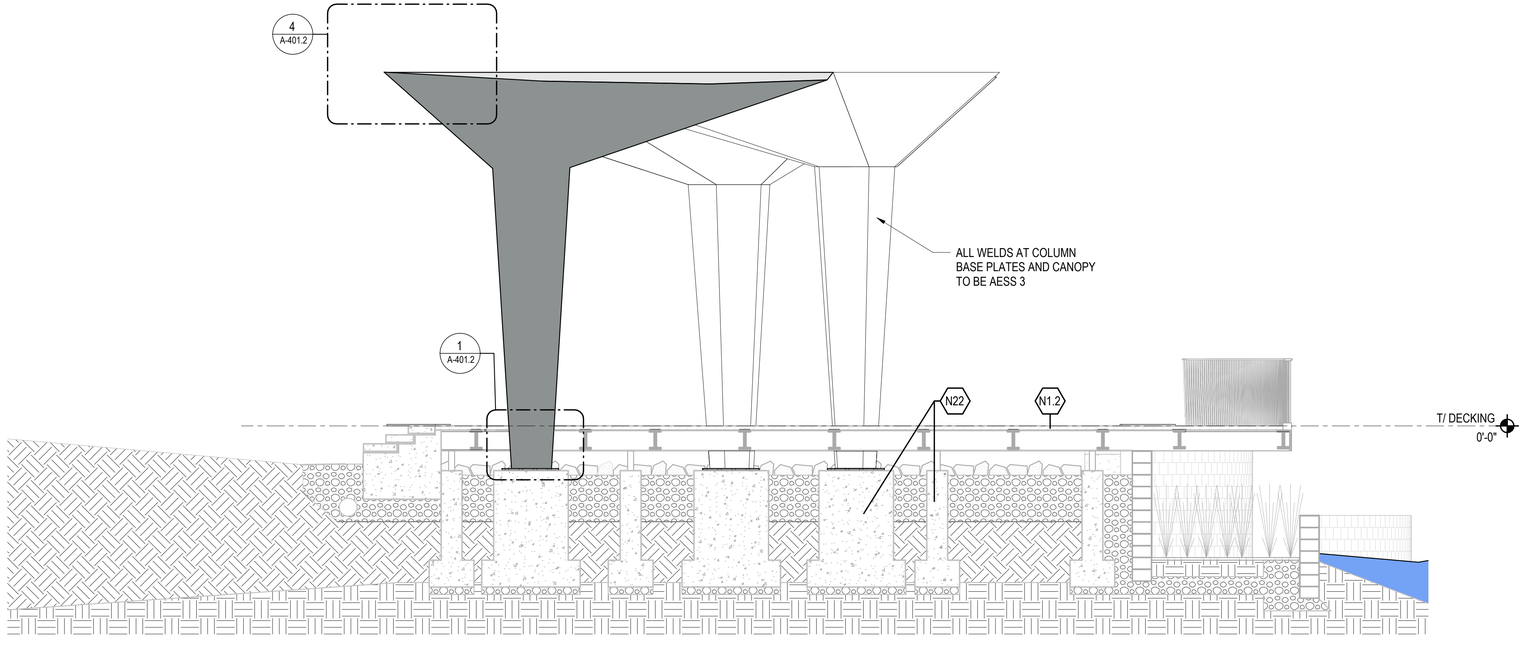
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1 NORTH ELEVATION
1/8" = 1'-0"



2 SOUTH ELEVATION
1/8" = 1'-0"



3 CROSS SECTION
1/4" = 1'-0"

KEYNOTES	
#	TEXT
N1.2	EXISTING GREY COMPOSITE DECKING TO REMAIN
N05	CAST IN PLACE CONCRETE SPLASH BLOCK & BENCH
N6.2	EXISTING METAL GUARDRAIL WITH INTEGRATED LIGHT FIXTURE. 196 LF
N09	PAVILION POD 1
N10	PAVILION POD 2
N11	PAVILION POD 3
N12	PAVILION POD 4
N13	PAVILION POD 5
N14	PAVILION POD 6
N22	EXISTING FOOTINGS

16' 8' 4' 0
SCALE: 1/8" = 1'-0"

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VILLAGE OF STREAMWOOD EST. 1957

KOLLAR POND - PHASE 2
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

ELEVATIONS

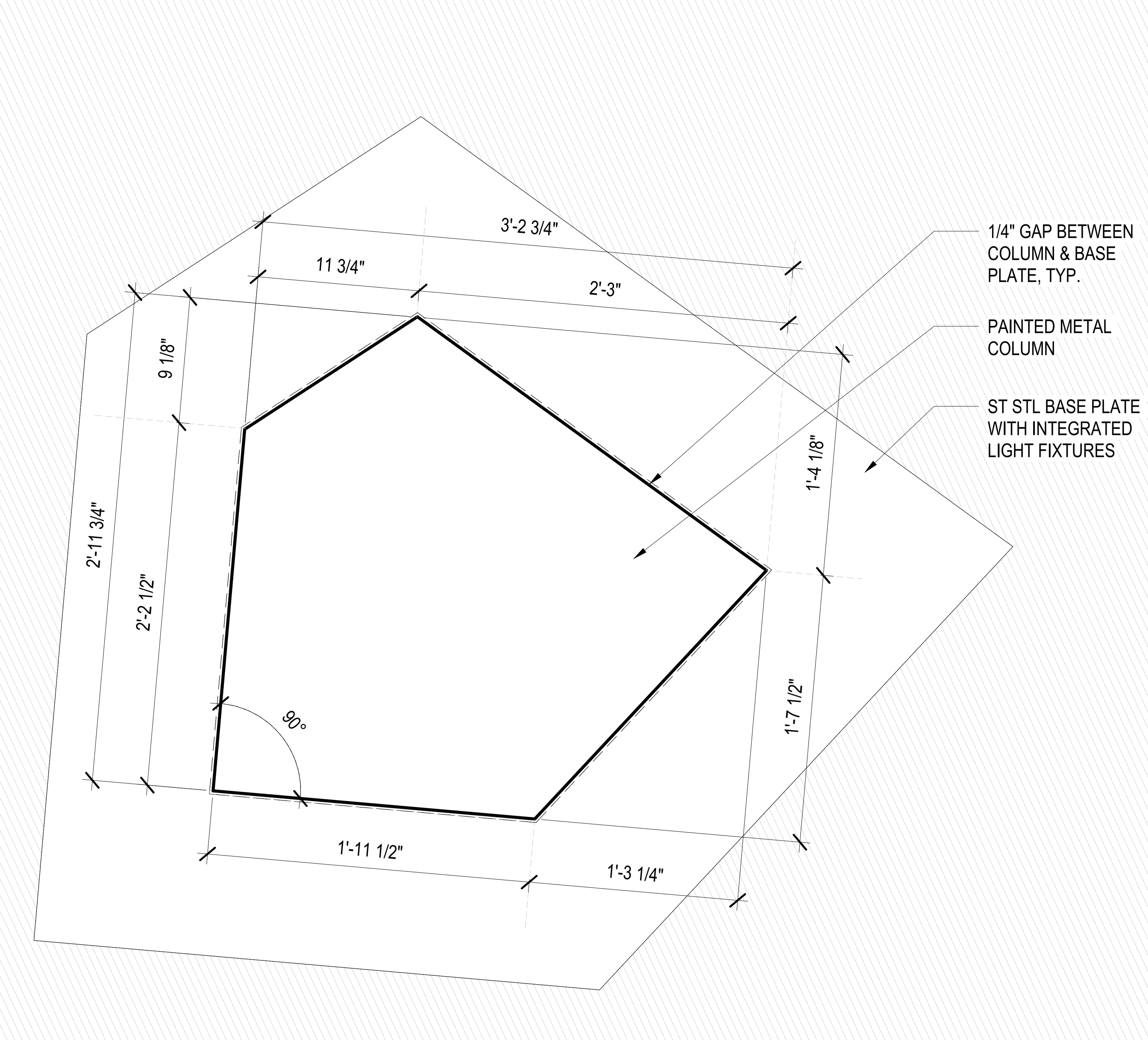
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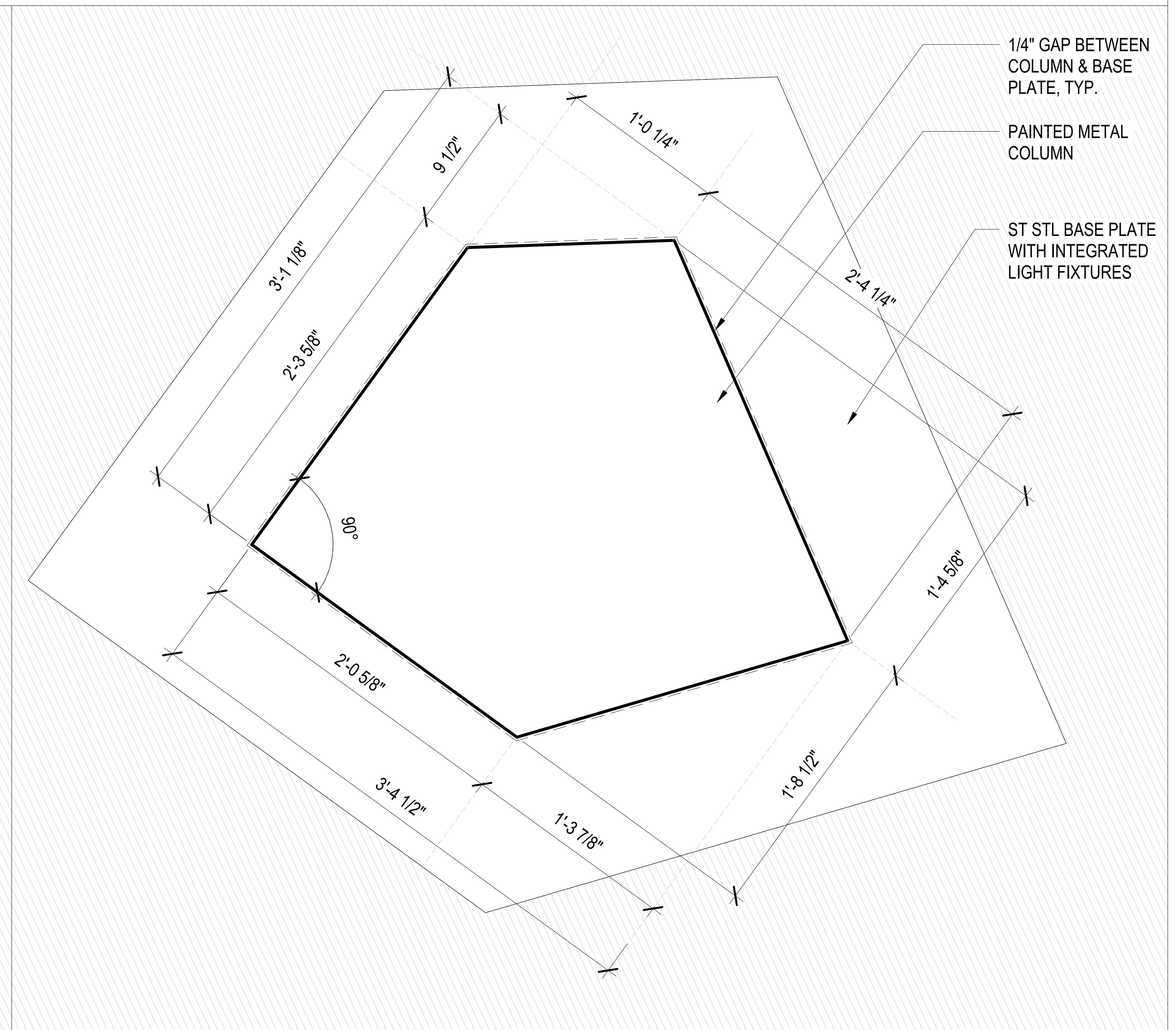
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PODS DIMENSIONS AT TOP OF DECKING



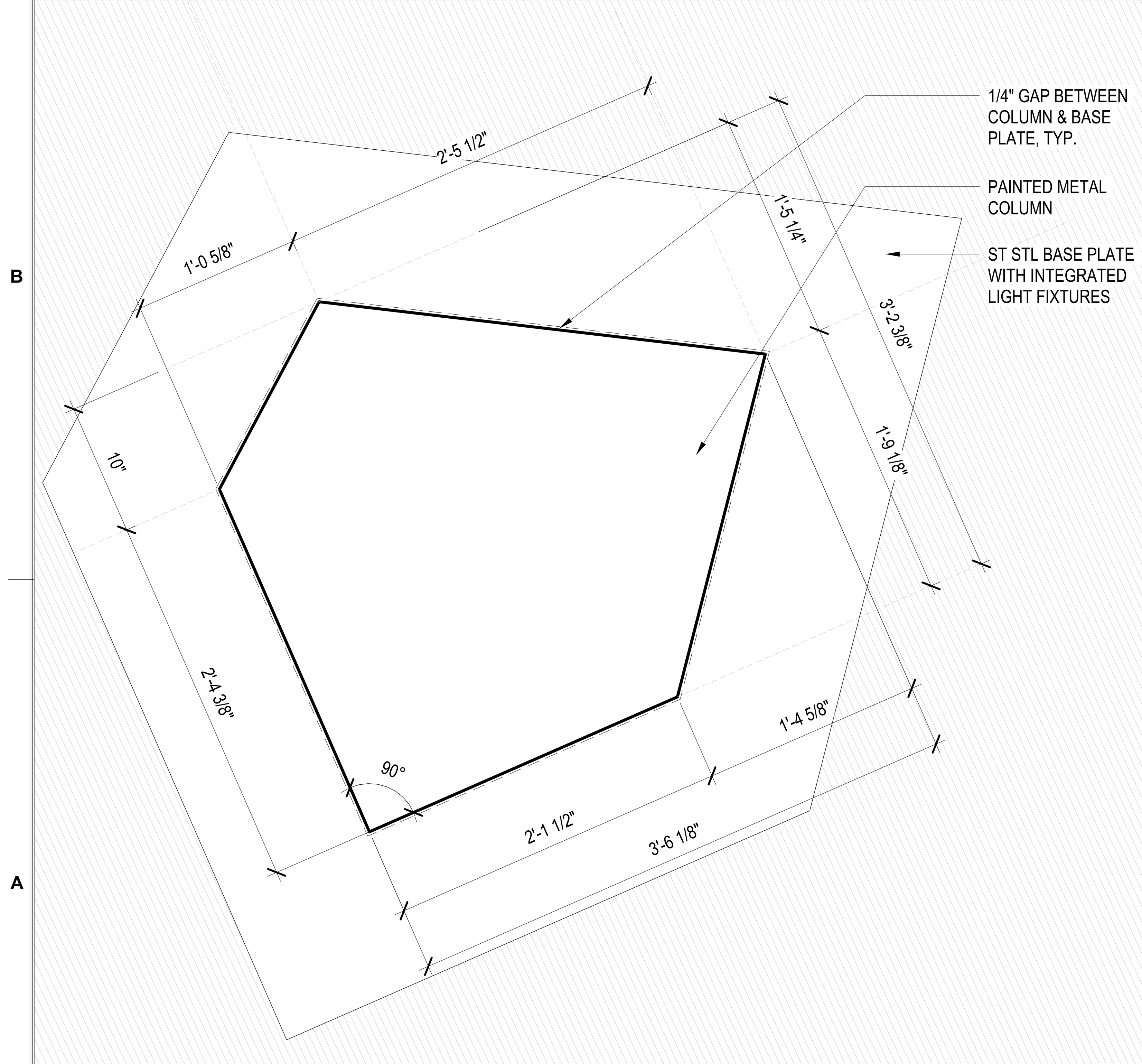
4 GROUP 1 - POD 2 & 3
1 1/2" = 1'-0"

POD # 2 - HEIGHT: 15'-0"
POD # 3 - HEIGHT: 14'-6"



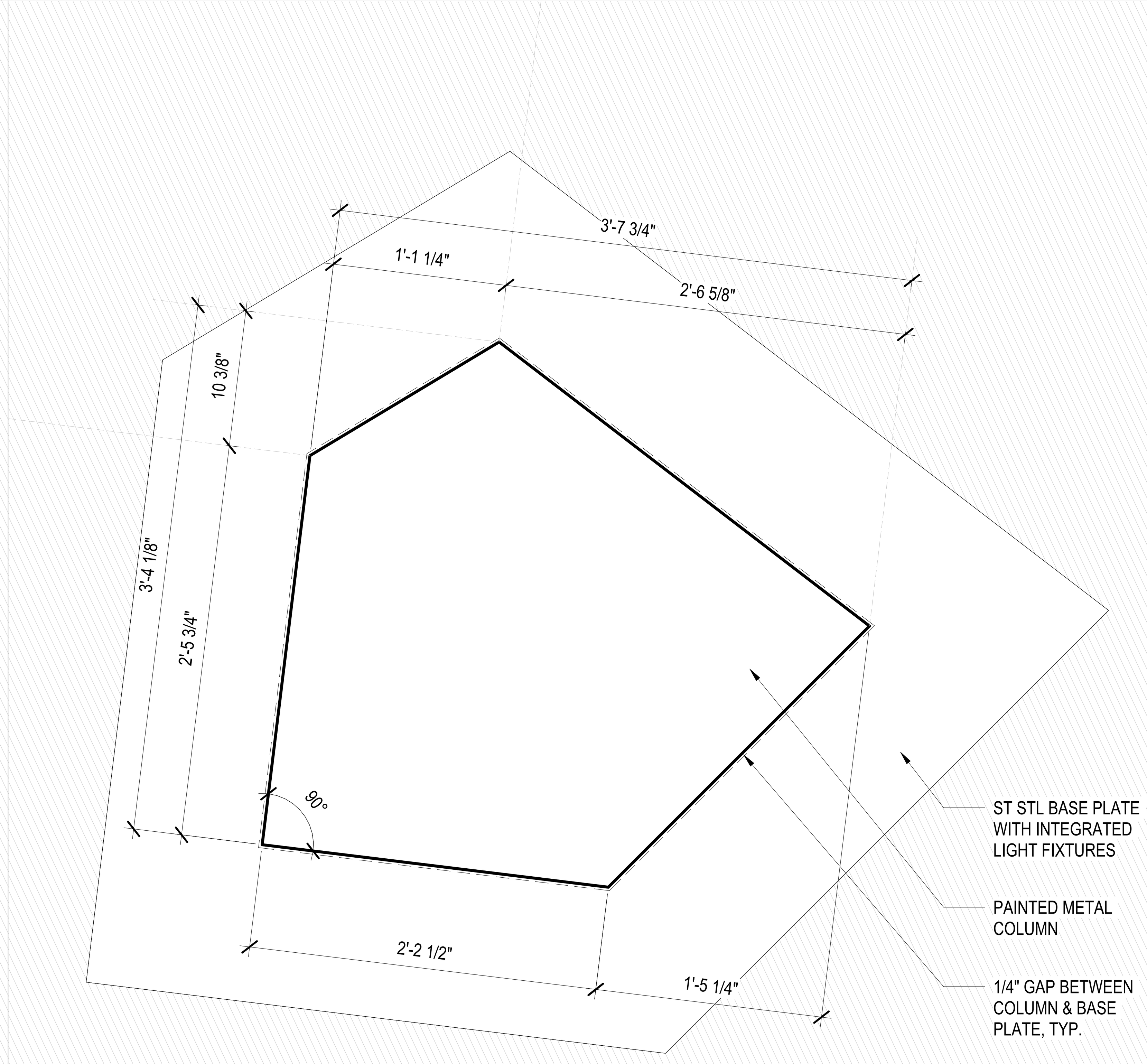
3 GROUP 2 - POD 1 & 4
1 1/2" = 1'-0"

POD # 1 & 4 - HEIGHT: 13'-6"



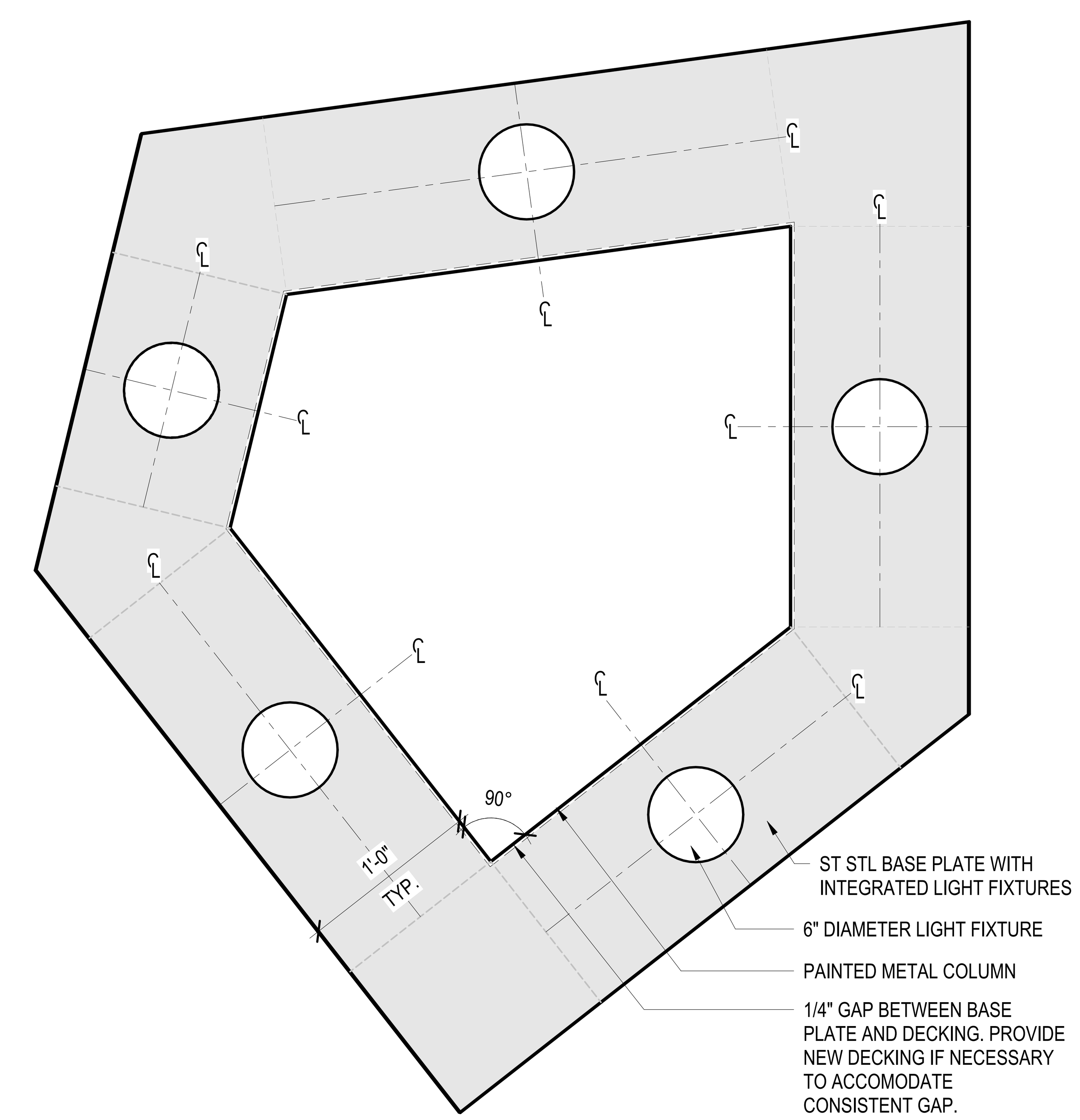
2 GROUP 3 - POD 5
1 1/2" = 1'-0"

POD # 5 - HEIGHT: 12'-6"



1 GROUP 4 - POD 6
1 1/2" = 1'-0"

POD # 6 - HEIGHT: 11'-6"



LIGHT TO BE CENTERED ON METAL PLATE & COLUMN SIDE AS SHOWN

5 TYPICAL LIGHTING PLACEMENT
1 1/2" = 1'-0"

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KOLLAR POND - PHASE 2
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ENLARGED PODS @ TOP OF DECKING

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VILLAGE OF STREAMWOOD
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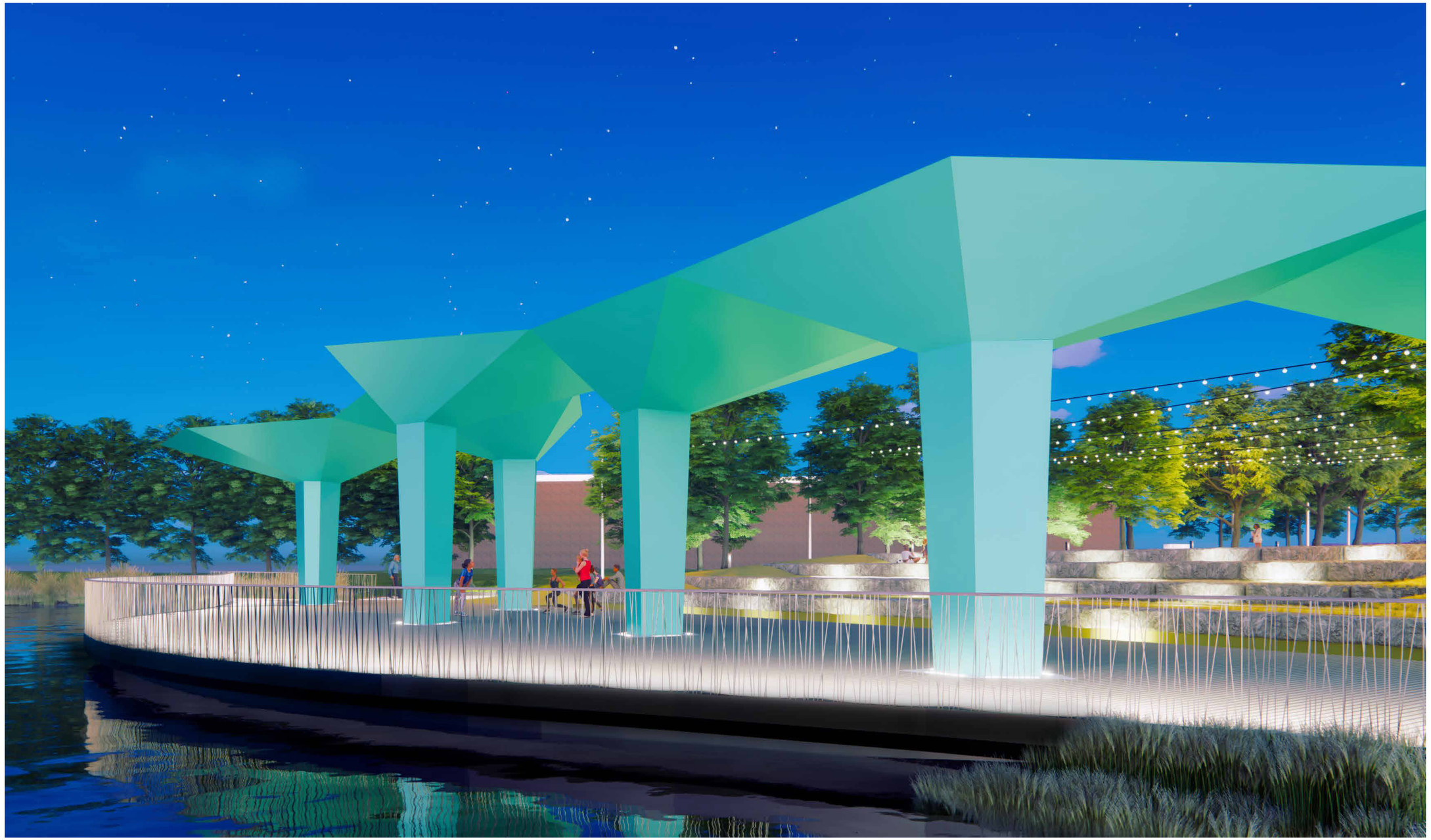
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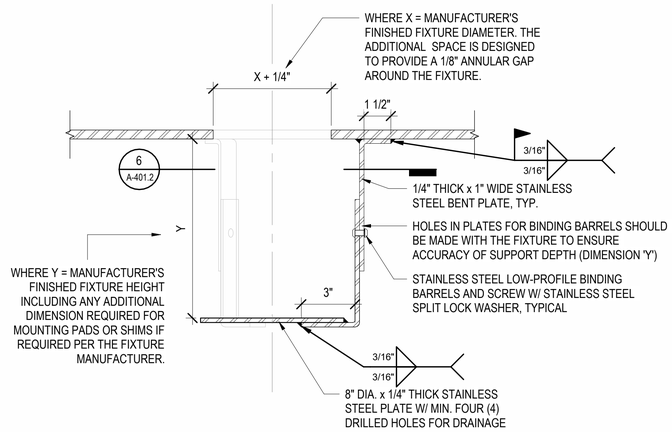
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Project Number	24255
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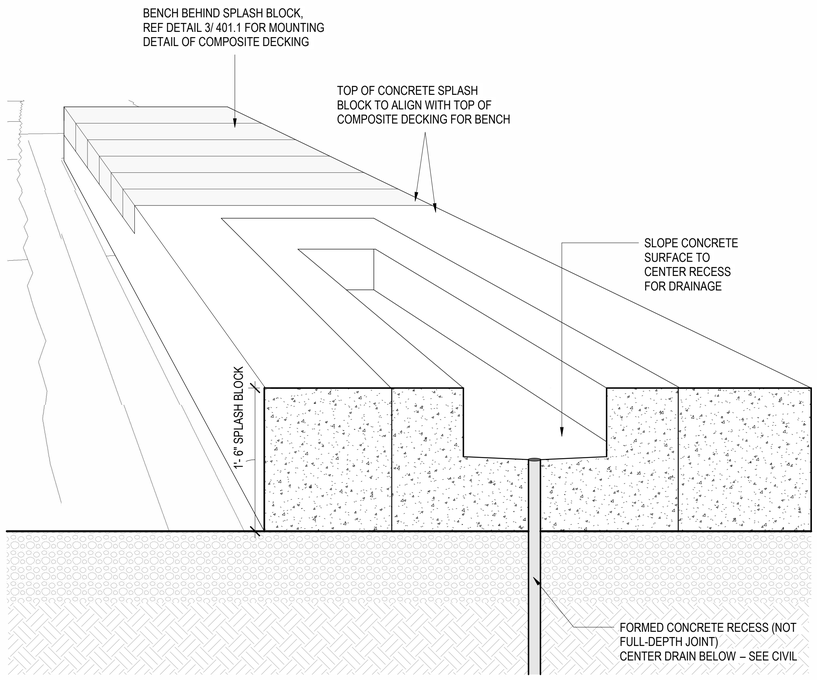
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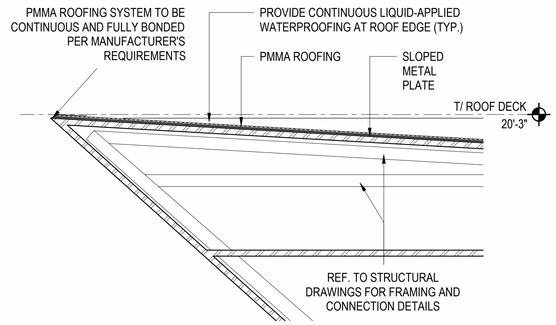


7 IN DECK LIGHT FIXTURE SUPPORT VERTICAL SECTION DETAIL

3" = 1'-0"



5 SPLASH BLOCK 3D VIEW

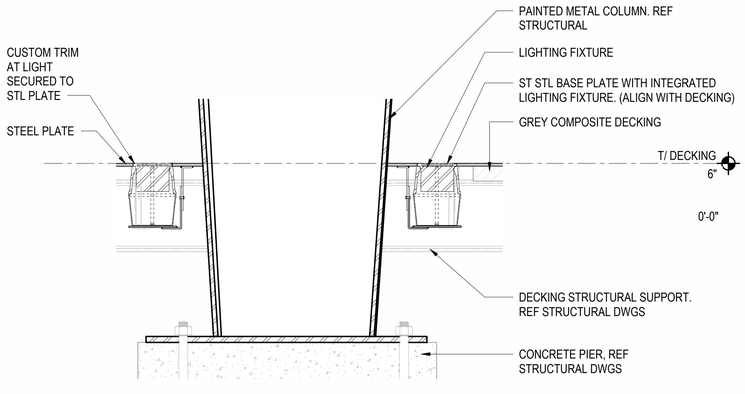


4 ROOF DETAIL

1" = 1'-0"

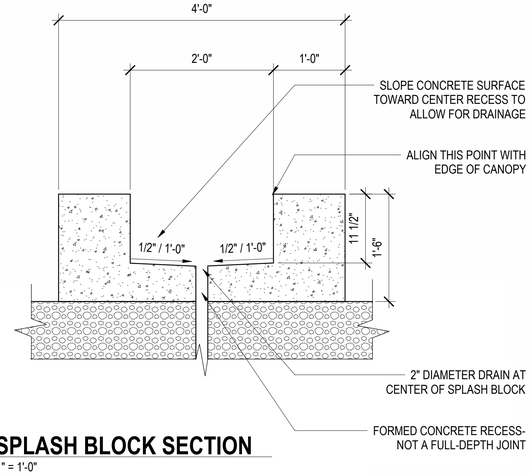
6 IN DECK LIGHT FIXTURE SUPPORT PLAN SECTION DETAIL

3" = 1'-0"



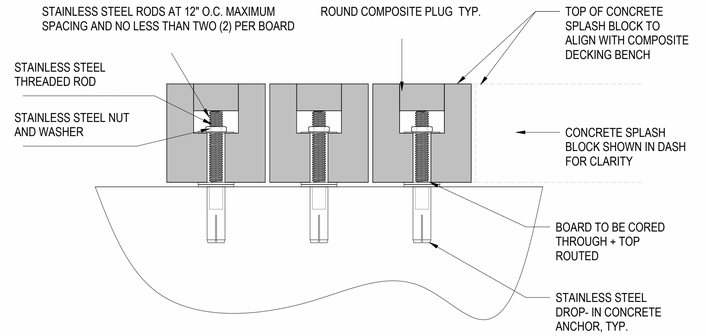
1 COLUMN BASE PLATE DETAIL

1" = 1'-0"



2 SPLASH BLOCK SECTION

1" = 1'-0"



3 COMPOSITE DECK BENCH DETAILS

6" = 1'-0"

2' 1' 0.5' 0
SCALE: 1" = 1'-0"

12" 8" 4" 0
SCALE: 3" = 1'-0"

6" 4" 2" 0
SCALE: 6" = 1'-0"

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 2

VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

DETAILS

A-401.2

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plot to .pdf in color
for paper plot: black & white
THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE LETTERS. IF THEY ARE NOT, CONTACT THE SENDER IMMEDIATELY.

File Location: \\corp.thinkconfluence.com\data\Chicago\Projects\2024\24255_Kollar Pond - Phase 1\24255_WORKING\AUTOCAD\LIVKSIV-24255 TTB / SAVE DATE: 11/8/2024 2:36 PM BY: ddillinger / PLOT DATE: 1/20/2023 2:45 PM BY: Devon Dillinger

STRUCTURAL NOTES:

A - GENERAL:

1. DESIGN IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2024 INTERNATIONAL BUILDING CODE (IBC). ALL REFERENCES TO IBC SECTION CONFORM TO THE 2024 EDITION
2. VERIFY ALL FIELD DIMENSIONS BY MEASUREMENT AT THE JOB SITE BEFORE SUBMITTING SHOP DRAWINGS.
3. DO NOT PLACE CONCRETE WITHOUT APPROVED STRUCTURAL SHOP DRAWINGS AND CIVIL / ARCHITECTURAL SHOP DRAWINGS RELATED TO THE CONCRETE WORK.
4. FOR LOCATION OF CURBS, CONCRETE STEPS, SEE ARCHITECTURAL AND CIVIL DRAWINGS.
5. PERFORM SURVEYS INDICATED AND SUBMIT FOR APPROVAL. PROVIDE REMEDIAL WORK TO CORRECT ALL DEFICIENCIES PRIOR TO PROCEEDING WITH WORK.
   A. ANCHOR BOLT LOCATION
   B. ELEVATION OF BOTTOM OF BASE PLATES

B - FOUNDATIONS

1. ALL MATERIAL, FABRICATION, INSTALLATION, AND INSPECTION REQUIREMENTS RELATING TO FOUNDATIONS SHALL CONFORM TO CHAPTER 18 OF THE OF THE 2024 INTERNATIONAL BUILDING CODE.
2. DESIGN IS BASED ON GEOTECHNICAL REPORT DATED NOVEMBER 7TH, 2025 CREATED BY RUBINO ENGINEERING INC. FOUNDATION HAS BEEN DESIGNED FOR A BEARING CAPACITY OF NO GREATER THAN 3000 PSF. FOUNDATION SYSTEM SHALL CONSIST OF SHALLOW SPREAD FOOTINGS SUPPORTED BY A STONE COLUMN SYSTEM OR OTHER GROUND IMPROVEMENT SYSTEM PERFORMED BY A SPECIALTY CONTRACTOR. THE SPECIALTY CONTRACTOR SHALL VERIFY THE ACTUAL BEARING CAPACITY OF THE IMPROVEMENT SYSTEM. IF THE ACTUAL CAPACITY IS LESS THAN THE DESIGN CAPACITY, CONTACT THE EOR.
3. BOTTOM OF FOUNDATIONS SHALL BE PLACED AT A MINIMUM OF 42" BELOW GRADE. ALL FOUDATIONS SHALL BE PLACED ON DRY SOIL. ALL EXCAVATIONS SHALL BE ADEQUATELY DEWATERED PRIOR TO POURING OF CONCRETE.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ADJACENT BUILDINGS AND PROPERTIES FROM EXCAVATION AND FILLING OPERATIONS AS PER IBC CHAPTER 33 AND SECTION 3307 (PROTECTION OF ADJOINING PROPERTY). UNDERPINNING, WHERE USED, SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH IBC 1804.2. THE DETAILS BRACING AND/OR UNDERPINNING REQUIRED FOR THE SUPPORT OF ADJACENT BUILDINGS OR PROPERTIES SHALL BE PREPARED BY A PROFESSIONAL ENGINEER HIRED BY THE CONTRACTOR. SEE IBC 3304 FOR SOIL AND EARTHWORK SAFEGUARDS. SEE SPECIFICATIONS.
5. ALL FILL AND BACKFILL SHALL BE PLACED PER IBC 1804.3 (PLACEMENT OF BACKFILL) AND SHALL COMPLY WITH IBC 1803 (GEOTECHNICAL INVESTIGATIONS), IBC 1804.6 (COMPACTED FILL MATERIAL) AND, WHERE USED, IBC 1804.7 (CLSM). SPECIAL INSPECTION OF FILL/COMPACTION PER IBC 1705.6.
6. DO NOT PLACE BACKFILL AGAINST FOUNDATION WALLS UNLESS THEY ARE ADEQUATELY BRACED OR UNTIL THE FIRST FLOOR AND CELLAR FLOOR SLABS HAVE BEEN POURED. SEE IBC 1804.3 FOR BACKFILL REQUIREMENTS.
7. PROVIDE WRITTEN NOTICE TO ADJOINING PROPERTY OWNERS AS REQUIRED AND COMPLY WITH IBC 3307 FOR PROTECTION OF ADJOINING PROPERTY.
8. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL CONTACT ILLINOIS 811 BY DIALING 811 AT LEAST 3 BUSINESS DAYS—BUT NOT MORE THAN 10 DAYS—BEFORE ANY EXCAVATION; THE DAY OF THE REQUEST, WEEKENDS, AND HOLIDAYS DO NOT COUNT.
9. THE CONTRACTOR SHALL CONFORM TO SAFETY REQUIREMENTS DURING EXCAVATION AND COMPLY WITH IBC 3304 (SOIL AND EARTHWORK) AND APPLICABLE OSHA REQUIREMENTS.
10. KEEP HEAVY EQUIPMENT AND SPOIL PILES BACK FROM EXCAVATION EDGES PER IBC 3304 AND OSHA 29 CFR 1926 SUBPART P; AT MINIMUM, MAINTAIN A 2-FOOT SETBACK FOR MATERIALS/EQUIPMENT FROM THE EDGE (OSHA 1926.651(j)(2)).
11. PROVIDE AND ACCURATELY SET ANCHOR BOLTS WHEN CONCRETE IS POURED. SEE DETAILS.
12. VERIFY DIMENSIONS AND LOCATIONS OF ALL CONDUITS, PIPES, ETC. REQUIRED FOR WORK OF OTHER DIVISIONS. CORING AND PENETRATION THRU FORNDATIONS IS NOT ALLOWED.

C - CONCRETE

1. CONCRETE FOR FOUNDATIONS SHALL BE AIR-ENTRAINED NORMAL WEIGHT STONE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
2. CONCRETE FOR EXTERIOR STRUCTURES (SLABS ON GRADE, PAVEMENTS, STAIRS, AREAWAYS, ETC) SHALL BE AIR-ENTRAINED NORMAL WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS AND A MAXIMUM WATER TO CEMENT RATIO OF 0.40.

D - CONCRETE REINFORCEMENT

1. ALL REINFORCING BARS SHALL BE DEFORMED BILLET STEEL BARS AND SHALL CONFORM TO ASTM A615 GRADE 60. REINFORCEMENT TO BE WELDED SHALL CONFORM TO ASTM A706, GRADE 60. WELDED WIRE FABRIC (WIRE MESH) SHALL CONFORM TO ASTM A185. PROVIDE EPOXY-COATED REINFORCEMENT IN ACCORDANCE WITH ASTM A775 FOR STEEL BARS AND ASTM A933 FOR WIRE MESH FOR CONCRETE EXPOSED TO THE ELEMENTS.
2. THE CONTRACTOR SHALL SUBMIT CHECKED SHOP DRAWINGS CONSISTING OF COMPLETE PLANS AND DETAILS OF REINFORCEMENT, LOCATIONS OF POUR LINES, CONSTRUCTION JOINTS, ETC. FOR APPROVAL BEFORE PROCEEDING WITH THE WORK.
3. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS SHALL COMPLY WITH THE REQUIREMENTS OF ACI 315-22 AND ACI 318-19, CHAPTERS 7 AND 25, AND AND IBC 1901.3.
4. ALL SPLICES SHALL BE IN ACCORDANCE WITH ACI 318-19, CHAPTER 25. THE LOCATIONS SHALL BE INDICATED ON THE SHOP DRAWINGS AND APPROVED BY THE ENGINEER OF RECORD. GENERALLY, ALL SPLICES SHALL BE STAGGERED AND LOCATED AWAY FROM THE SECTION OF MAXIMUM TENSILE STRESS.
5. ALL REINFORCEMENT SHALL BE ACCURATELY PLACED AND SECURELY WIRED TO PREVENT DISLOCATION FROM PROPER POSITION.
6. PROVIDE CHAIRS FOR SUPPORT OF ALL REINFORCEMENT. LIFTING OF BARS OR MESH DURING PLACEMENT OF CONCRETE IS NOT PERMITTED.
7. WHERE NOT OTHERWISE INDICATED, PROVIDE A MINIMUM OF 2 - #5 BARS TOP AND BOTTOM AT ALL SIDES OF UNFRAMED OPENINGS.
8. CONCRETE PROTECTION FOR BARS IN SLAB SHALL BE 3/4" CLEAR MINIMUM, UNLESS OTHERWISE NOTED, PER ACI 318-19 TABLE 20.6.1.3.1.
9. WELDING OF REINFORCING BARS SHALL CONFORM TO STRUCTURAL WELDING CODE AWS D1.4.
10. THE DETAILING OF REINFORCEMENT AND CONNECTION BETWEEN CONCRETE MEMBER AS RELATED TO REQUIREMENTS FOR STRUCTURAL INTEGRITY SHALL COMPLY WITH ACI 318-19 SECTIONS 7.5, 16.5, 18.13 & 25.4.
11. REINFORCED CONCRETE STRUCTURES SHALL MEET ALL THE REQUIREMENTS OF ACI 318-19 AND IBC 1901–1908 RELATED TO STRUCTURAL INTEGRITY.

E - STRUCTURAL STEEL

1. THE DESIGN OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH AISC 360-22.
2. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF THE ABOVE AISC SPECIFICATION AND IBC 2205.
3. MATERIAL FOR STRUCTURAL STEEL W, C, AND MC SHAPES SHALL CONFORM TO ASTM A992 HAVING A MINIMUM YIELD STRESS OF 50,000 PSI, AND PLATES SHALL CONFORM TO ASTM A36 HAVING A MINIMUM YIELD STRESS OF 36,000 PSI, UNLESS OTHERWISE NOTED ON DRAWINGS OR SPECIFICATIONS.
4. MATERIAL ACCEPTANCE OF STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF IBC 1705.2.1 (SPECIAL INSPECTION OF STEEL FABRICATION AND ERECTION).
5. SUBMIT SHOP DRAWINGS PREPARED AND CHECKED BY A LICENSED PROFESSIONAL ENGINEER FOR APPROVAL. SHOP DRAWINGS SHALL INCLUDE DRAWINGS OF MEMBERS, A SET OF JOB STANDARDS SHOWING ALL NECESSARY CONNECTION DETAILS AND ERECTION PLANS INDICATING LOCATION OF JOINT AND MEMBER MARKINGS.
6. MOMENT CONNECTIONS ARE DETAILED ON STRUCTURAL DRAWINGS.
7. DETAILS OF CONNECTIONS SHALL CONFORM TO AISC STANDARDS AND AISC 360-22 CHAPTER J.
   A. TYPICALLY, ALL BEAM TO COLUMN CONNECTIONS SHALL BE SHEAR CONNECTIONS.
   B. TYPICALLY, BEAM TO BEAM CONNECTIONS SHALL BE SHEAR CONNECTIONS.
   C. SHEAR CONNECTIONS CAN USED OR SHEAR PLATES OR DOUBLE CLIP ANGLE CONNECTIONS. SINGLE ANGLE CONNECTIONS SHALL NOT BE USED, U.O.N. THE CONNECTIONS SHALL HAVE A MINIUM OF TWO BOLTS IN EACH NON WELDED SIDE.
   D. WHEN THE TABULATED AISC FRAMED CONNECTION TABLES CANNOT BE USED OR WHERE THEY ARE UNABLE TO CARRY THE REQUIRED REACTIONS, SPECIAL CONNECTIONS OF ADEQUATE STRENGTH SHALL BE PROVIDED.
   E. SHOP CONNECTIONS SHALL BE HIGH-STRENGTH BOLTED, SLIP CRITICAL, OR WELDED, UNLESS OTHERWISE NOTED ON CONCTRACT DRAWINGS.
   F. FIELD CONNECTIONS SHALL BE HIGH-STRENGTH BOLTED, SLIP CRITICAL, EXCEPT WHERE WELDED CONNECTIONS ARE SHOWN ON DRAWINGS, AND UNLESS OTHERWISE NOTED ON CONTRACT DRAWINGS.
8. BOLTED CONNECTIONS
   A. ALL BOLTS SHALL BE HIGH-STRENGTH CONFORMING TO ASTM A325 (OR ASTM F3125 GR. A325, CURRENT SPEC), UNLESS OTHERWISE NOTED.
   B. ALL BOLTS SHALL BE 3/4" MINIMUM DIAMETER WITH HARDENED WASHERS UNDER THE TURNING ELEMENT (INCLUDING TURN OF THE NUT METHOD), UNLESS OTHERWISE NOTED.
   C. INSTALLATION SHALL CONFORM TO THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS (2020 EDITION).
   D. ALL CONTACT SURFACES, INCLUDING SURFACES ADJACENT TO THE BOLT HEAD AND NUT, SHALL BE FREE OF SCALE, OIL, PAINT, LACQUER, AND OTHER FOREIGN MATERIAL. BURRS THAT WOULD PREVENT SOLID SEATING OF THE CONNECTED PARTS IN THE SNUG TIGHT CONDITION SHALL BE REMOVED. CONTACT SURFACES THAT ARE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ROUGHENED BY MEANS OF HAND WIRE BRUSHING (POWER BRUSHING IS PROHIBITED) WILL BE PERMITTED.
   E. ALL BOLTED CONNECTIONS SHALL MEET STRUCTURAL INTEGRITY REQUIREMENTS OF IBC 2205.2 AND AISC 360-22, SECTION J1.6.
9. WELDED CONNECTIONS
   A. WELDING OPERATIONS AND DESIGN SHALL BE IN ACCORDANCE WITH IBC 2205 (2024) AND AISC 360-22, SECTION J2. WELDING SHALL ALSO CONFORM TO AWS D1.1/D1.1M:2020, AS MODIFIED BY AISC 360-22, SECTION J2
   B. WELDING SHALL BE PERFORMED BY LICENSED WELDERS.
   C. AWS CLASS E70XX SERIES ELECTRODES SHALL BE USED FOR WELDING NEW STRUCTURAL STEEL.
   D. ALL CONTACT SURFACES AND AREAS WITHIN TWO INCHES OF WELD DURING WELDING SHALL BE FREE OF SCALE, OIL, PAINT LACQUER, GALVANIZING, AND ANY OTHER FOREIGN MATERIAL. REFER TO SPECIFICATION FOR REPAIR OF COATINGS.
   E. BUTT WELDS SHALL BE 100% PENETRATION WELDS AND FILLET WELDS A MINIMUM OF 1/4" UNLESS OTHERWISE NOTED.
   F. ALL WELDED CONNECTIONS SHALL MEET STRUCTURAL INTEGRITY REQUIRMENTS OF IBC 2205.2 AND AISC 360-22, SECTION J1.6.
   G. ALL VISIBLE WELDS SHALL BE AESS LEVEL 3.
10. ALL CONNECTIONS, BOTH FIELD AND SHOP, ARE SUBJECT TO SPECIAL INSPECTION.
   A. SPECIAL INSPECTION OF HIGH-STRENGTH BOLTING SHALL BE PERFORMED IN ACCORDANCE WITH IBC 1705.2.1 (STEEL CONSTRUCTION, FABRICATION) AND IBC 1705.2.2 (STEEL ERECTION), UNDER THE SUPERVISION OF A QUALIFIED SPECIAL INSPECTOR APPROVED BY THE ENGINEER OF RECORD. COPIES OF TEST REPORTS SHALL BE FILED WITH THE BUILDING DEPARTMENT.
   B. SPECIAL INSPECTION OF STRUCTURAL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH IBC 1705.2.1 AND 1705.2.2, AND IN ACCORDANCE WITH AWS D1.1/D1.1M:2020 REQUIREMENTS. COPIES OF TEST REPORTS SHALL BE FILED WITH THE BUILDING DEPARTMENT.
11. COORDINATE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL AND CIVIL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND COORDINATING DIMENSIONS, CLEARANCE, ETC. WITH WORK OF ALL TRADES AND SUBMITTING SHOP DRAWINGS FOR APPROVAL.
12. ALL EXTERIOR STRUCTURAL STEEL (VISIBLE AND CONCEALED) SHALL RECEIVE THE PROTECTIVE COATING SYSTEM SPECIFIED IN THE ARCHITECTURAL DRAWINGS AND PROJECT SPECIFICATIONS.
13. VISIBLE STEEL SURFACES TO RECEIVE PAINT PER PROJECT SPECIFICATIONS.
14. SURFACE PREPARATION SHALL BE IN ACCORDANCE WITH SSPC REQUIREMENTS AND THE COATING MANUFACTURER'S RECOMMENDATIONS.
15. ALL STEEL SURFACES, INCLUDING MEMBERS, PLATES, CONNECTIONS, STIFFENERS, AND MISCELLANEOUS STEEL COMPONENTS EXPOSED TO WEATHER OR MOISTURE, SHALL BE COATED.
16. FIELD WELDS, CUT EDGES, BOLTED CONNECTIONS, ABRASIONS, AND AREAS DAMAGED DURING FABRICATION OR ERECTION SHALL BE CLEANED AND REPAIRED USING THE SAME COATING SYSTEM AS THE ADJACENT STEEL.
17. SHOP PRIMERS ARE NOT A SUBSTITUTE FOR THE SPECIFIED FINISH COATING SYSTEM.
18. CONTRACTOR SHALL COORDINATE ALL COATING REQUIREMENTS WITH THE ARCHITECTURAL DRAWINGS, SPECIFICATIONS, AND COATING MANUFACTURER PRIOR TO FABRICATION.
19. ALL STEEL SURFACES NOT ACCESSIBLE AFTER FABRICATION OR ERECTION SHALL RECEIVE THE SPECIFIED SHOP-APPLIED COATING PRIOR TO ASSEMBLY.
20. PROVIDE ALL TEMPORARY BRACING OF THE STEEL FRAME REQUIRED TO MAINTAIN PLUMBNESS AND STABILITY DURING CONSTRUCTION.

RECOMMENDED END HOOKS, ALL GRADES OF STEEL

BAR SIZE	D	180° HOOKS		90° HOOKS
		A OR G	J	A OR G
#3	2 1/4"	5"	3"	6"
#4	3"	6"	4"	8"
#5	3 3/4"	7"	5"	10"
#6	4 1/2"	8"	6"	1'-0"
#7	5 1/4"	10"	7"	1'-2"
#8	6"	11"	8"	1'-4"
#9	9 1/2"	1'-3"	11 3/4"	1'-7"
#10	10 3/4"	1'-5"	1'-1 1/4"	1'-10"
#11	12"	1'-7"	1'-2 3/4"	2'-0"
#14	18 1/4"	2'-3"	1'-9 3/4"	2'-7"
#18	24"	3'-0"	2'-4 1/2"	3'-5"

ALL GRADES OF STEEL:

D = FINISH INSIDE BEND DIAMETER

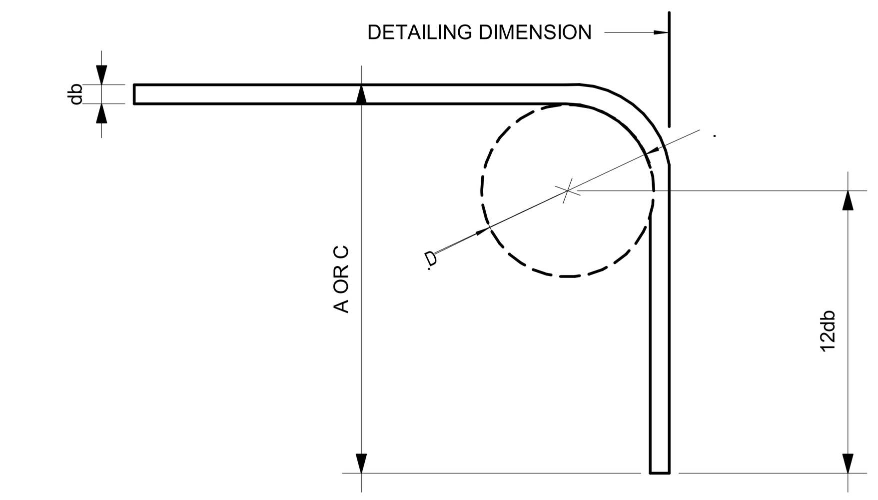
d_b = NOMINAL BAR DIAMETER

MIN. D = $6d_b$ FOR #3 THROUGH #8
= $8d_b$ FOR #9 AND #11
= $10d_b$ FOR #14 AND #18

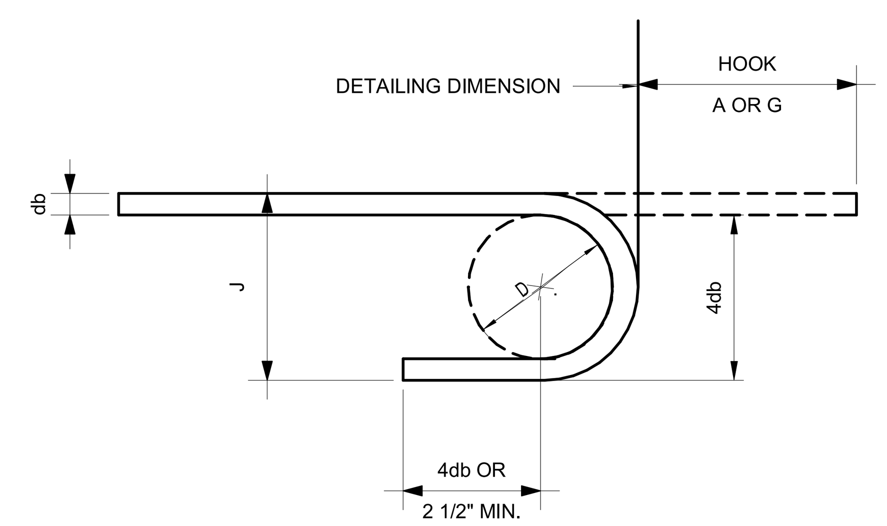
SEISMIC STIRRUP / THE HOOKS

BAR SIZE	135° SEISMIC HOOKS		
	D	A OR G	H*
#3	1 1/2"	4 1/4"	3"
#4	2"	4 1/2"	3"
#5	2 1/2"	5 1/2"	3 1/4"
#6	4 1/2"	8"	4 1/2"
#7	5 1/4"	9"	5 1/4"
#8	6"	10 1/2"	6"

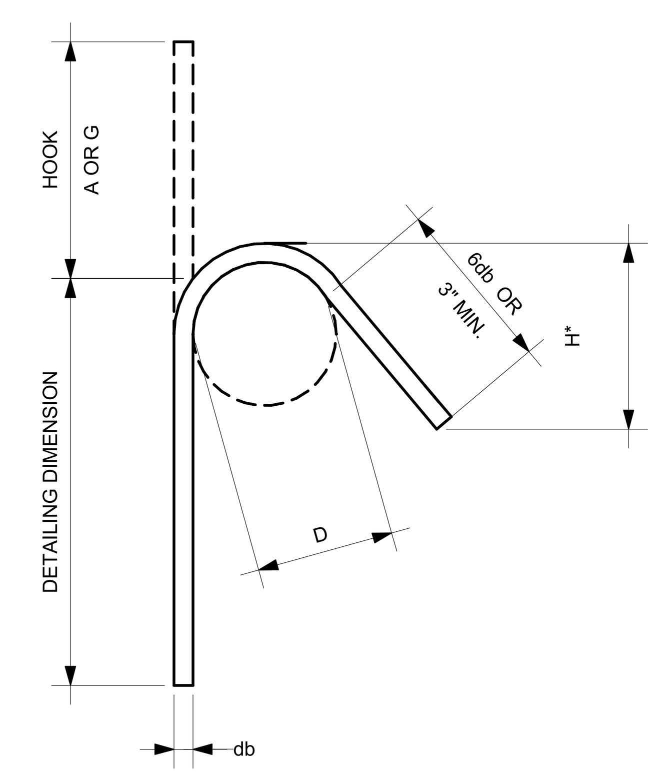
H* - DENOTES APPROXIMATE DIMENSION.



90° BEND



180° BEND



135° BEND

STRUCTURAL ABBREVIATION LIST:

ADDL.	ADDITIONAL
ARCH.	ARCHITECT
ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
AWS	AMERICAN WELDING SOCIETY
B.,BOTT.	BOTTOM
B.O.F.	BOTTOM OF FOOTING
BL	BUILDING LINE
BLDG.	BUILDING
BLK.	BLOCK
BP.	BEAM POCKET
B.PL.	BEARING PLATE
BRG.	BEARING
C	CHANNEL
C-C	CENTER-TO-CENTER
c	CAMBER BEAM
C.J.	CONSTRUCTION JOINT
CL.	CLEAR, CLEARANCE
CLG.	CEILING
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
C.WP.	CEMENT COAT WATERPROOFING
d_b	NOMINAL BAR DIAMETER (REBAR)
DET.	DETAIL
DIA.	DIAMETER
DIM.	DIMENSION
DL	DEAD LOAD
DN.	DOWN
DWGS.	DRAWINGS
EA.	EACH
E.F.	EACH FACE
E.J.	EXPANSION JOINT
EL, ELEV.	ELEVATION
ELEC.	ELECTRICAL
E.O.R.	ENGINEER OF RECORD
EQ.	EQUAL
E.W.	EACH WAY
EXT.	EXTERIOR
EXP.	EXPANSION
EXP. JT.	EXPANSION JOINT
FDN.	FOUNDATION
FIN.	FINISH
FL.	FLOOR
FP.	FIREPROOFING
FT.	FOOT OR FEET
FTG.	FOOTING
GA.	GAGE
GALV.	GALVANIZED
G.C.	GENERAL CONTRACTOR
HB	HOMMAN & BERNARD
HOR.	HORIZONTAL
H.P.	HIGH POINT
HR.	HOUR
H.S.	HIGH STRENGTH
HVAC	HEATING AND VENTILATION
INT.	INTERIOR
JT.	JOINT
K.B.	KNEE BRACE
LBS.	POUNDS
LG.	LONG
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
L.P.	LOW POINT
LT.	LIGHT
L.W.	LIGHT WEIGHT
MECH.	MECHANICAL
M.C.	MOMENT CONNECTION
MD	METAL DECK
MIN.	MINIMUM
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
NIC	NOT IN CONTRACT
No.#	NUMBER
NTS	NOT TO SCALE
NYC	NEW YORK CITY
NYS	NEW YORK STATE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
P.C.	PILE CAP
P. & D.	PLUMBING AND DRAINAGE
P.E.	NY STATE LICENSED PROFESSIONAL ENGINEER
PL.	PLATE
P.L.	PROPERTY LINE
REINF.	REINFORCEMENT
REINF/W.	REINFORCED WITH
REQ'D	REQUIRED
SECT.	SECTION
SL.	SLAB
S.O.G.	SLAB ON GRADE
SPEC.	SPECIFICATION
SQ. FT.	SQUARE FOOT
STD.	STANDARD
S.S.	STAINLESS STEEL
STL.	STEEL
STRUCT.	STRUCTURAL
SYM.	SYMMETRICAL
T.	TOP
T.C.	TOP OF CURB
TEMP	TEMPORARY
TEMP.	TEMPERATURE IN FAHRENHEIT DEGREES
T.O.F.	TOP OF FOOTING
T.L.	TOP OF LEDGE
T.O.SL.	TOP OF SLAB
T.O.S.	TOP OF STEEL
T.P.	TOP OF PIER
T.W.	TOP OF WALL
(TYP.)	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
VERT.	VERTICAL
WP	WATERPROOFING
W.P.	WORKING POINT
WT.	WEIGHT
W.W.F.	WELDED WIRE FABRIC

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

STRUCTURAL NOTES

SB-001

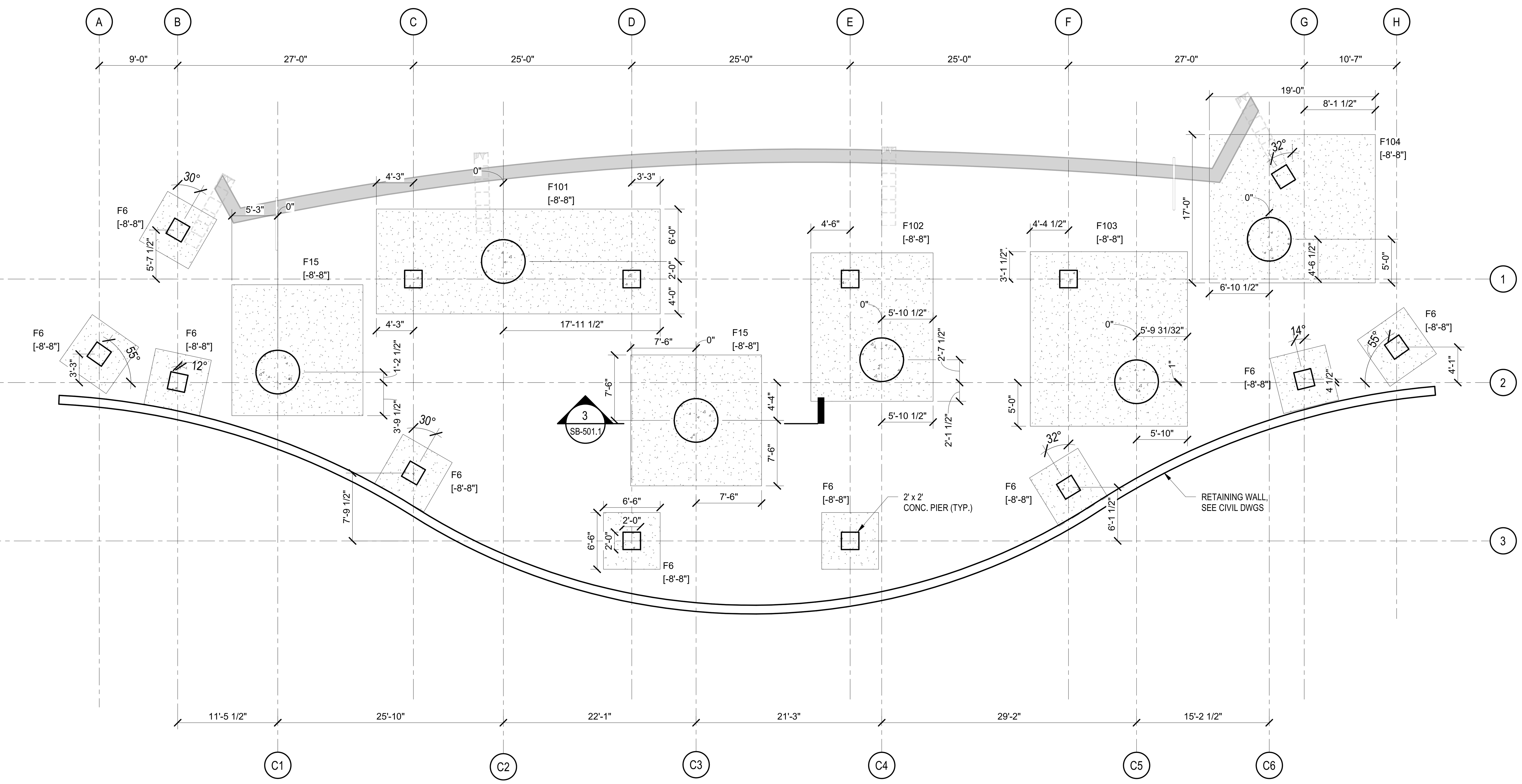
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NOTES:

1. CENTERLINE OF FOOTINGS, PIERS AND BUTREESES SHALL COINCIDE WITH CENTERLINE OF COLUMNS U.O.N.
2. BOTTOM OF FOOTING ELEVATION SHOWN THUS [-......] INDICATING DISTANCE BELOW TOP OF DECK
3. SEE CIVIL DRAWINGS FOR UTILITY AND SITE COORDINATION.
4. TOP OF GRADE TO BE -2'-2" BELOW TOP OF DECK, SEE CIVIL DWGS.
5. SEE GENERAL NOTES ON SB001 FOR CONCRETE STRENGTH



1 FOUNDATION PLAN
1/8" = 1'-0"

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

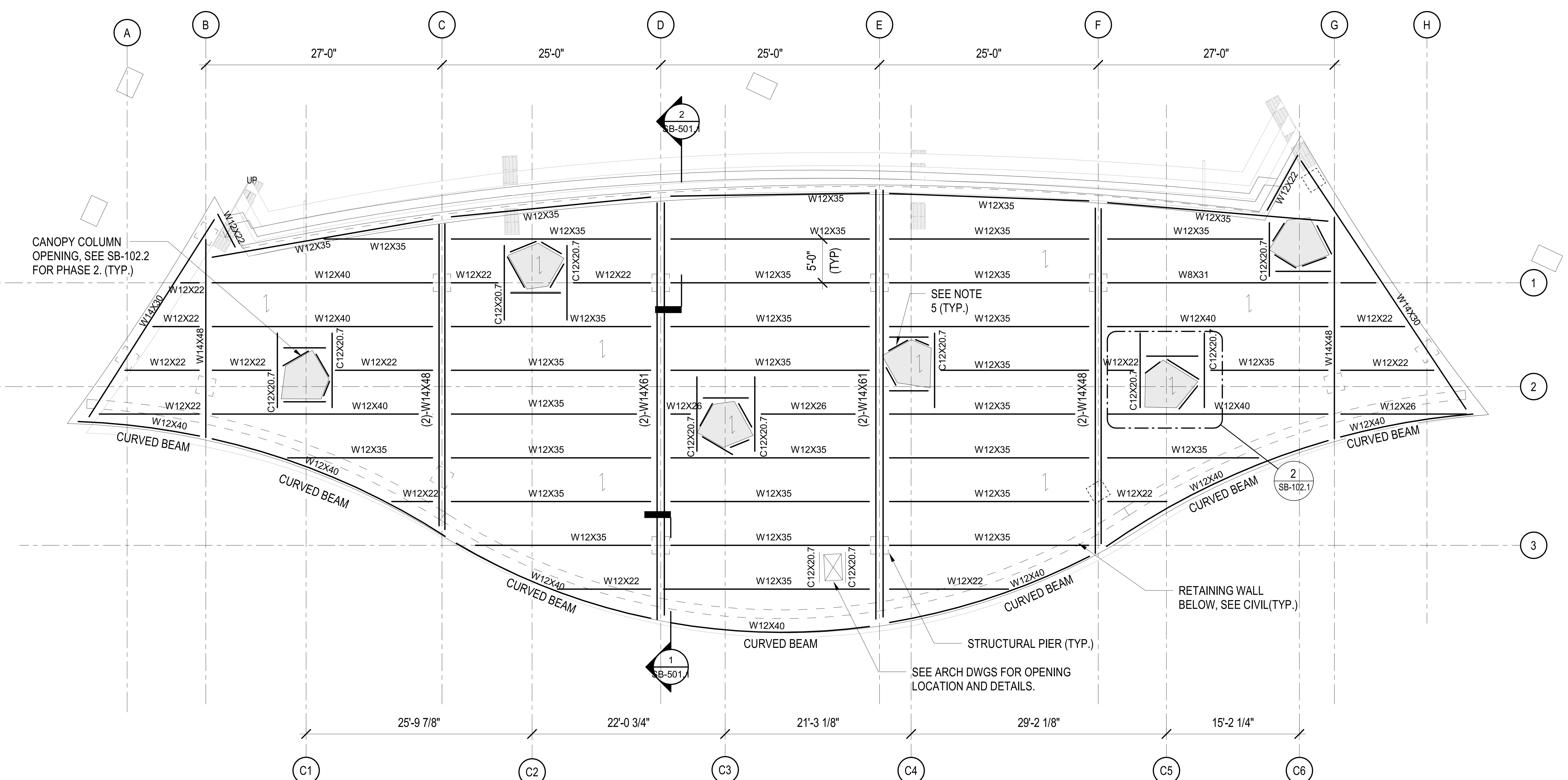
STRUCTURAL FOUNDATION PLAN

SB-101.1

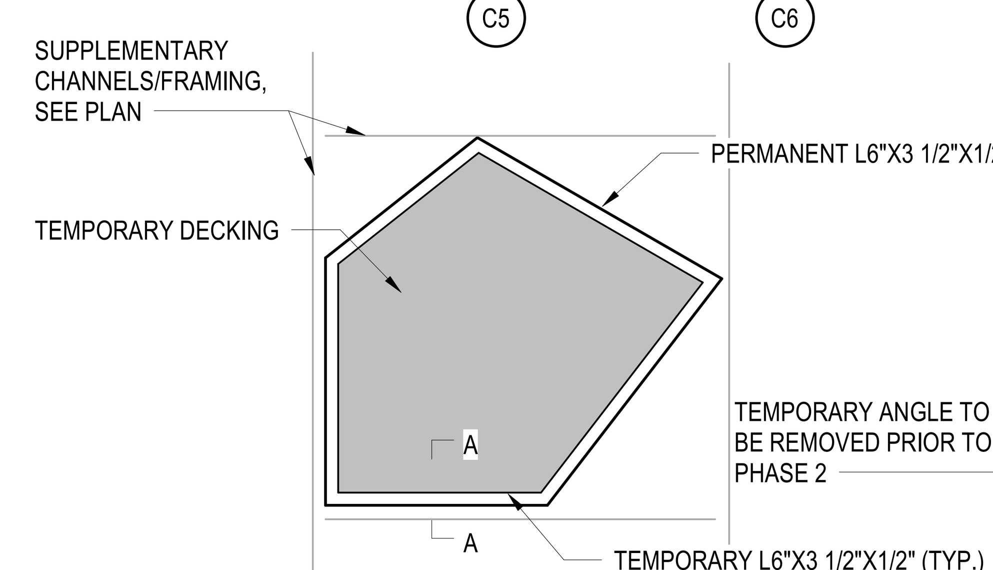
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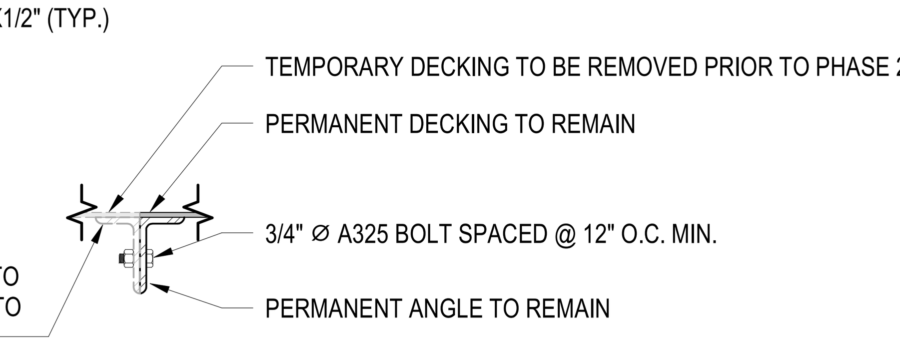
NOTES:

1. TOP OF DECK TO BE AT ELEVATION 0'-0" UNLESS OTHERWISE NOTED (U.O.N.) ON PLAN THUS (±...), INDICATING DISTANCE ABOVE OR BELOW TOP OF DECK.
2. TOP OF STEEL TO BE [-2'-8"] BELOW TOP OF DECK UNLESS OTHERWISE NOTED ON PLAN THUS [±...] INDICATING DISTANCE ABOVE OR BELOW TOP OF STEEL.
3. DECK SPAN INDICATED ON PLAN THUS ⟵⟶ . SEE ARCHITECTURAL DWGS FOR DECKING INFORMATION.
4. FILLER BEAMS ARE EQUALLY SPACED AT 5'-0" O.C. MAX WITHIN A BAY U.O.N.
5. FRAMING AROUND CANOPY COLUMN OPENINGS SHALL BE L6"X3 1/2"X1/2" (TYP.) U.O.N. ON PLAN. PROVIDE A MINIMUM OF TWO BOLTS PER CONNECTION FOR ANGLE U.O.N. COVER OPENING WITH WOOD DECKING.
6. ALL STEEL MUST BE COATED. SEE SPECIFICATIONS.
7. GC SHALL COORDINATE WITH ARCH AND CIVIL DWGS.
8. [shaded box] DENOTES TEMPORARY WOOD DECKING TO BE REMOVED PRIOR TO PHASE 2.



1 DECK FRAMING PLAN
1/8" = 1'-0"





SECTION A-A

2 TYPICAL TEMPORARY DECKING DETAIL
N.T.S.

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Revision Schedule

No.	Date	Description

VILLAGE OF STREAMWOOD EST. 1957

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

STRUCTURAL DECK FRAMING PLAN

SB-102.1

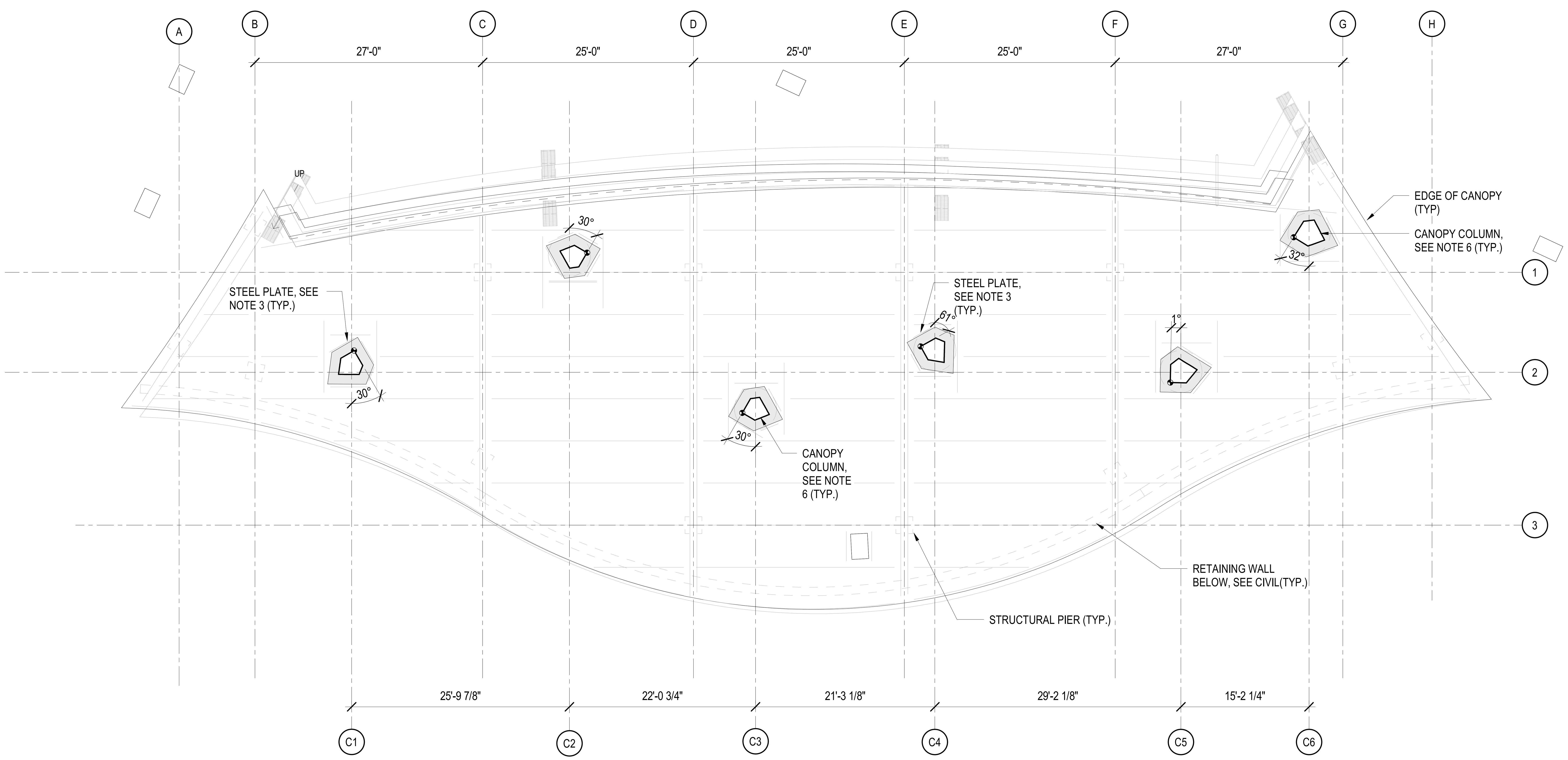
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NOTES:

1. TOP OF DECK TO BE AT ELEVATION 0'-0" UNLESS OTHERWISE NOTED (U.O.N.) ON PLAN THUS (±...), INDICATING DISTANCE ABOVE OR BELOW TOP OF DECK.
2. FOR GENERAL NOTES SEE DRAWINGS SB-001.
3. [ ] DENOTES STEEL PLATE, SEE DETAIL 1/SB-502.2.
4. ALL STEEL MUST BE COATED. SEE SPECIFICATIONS.
5. CANOPY COLUMNS GRIDS DENOTED C1, C2, C3, C4, C5, C6
6. FOR CANOPY COLUMN DETAILS SEE DRAWING SB-503.2.
7. GC SHALL COORDINATE WITH ARCH, AND CIVIL. DWGS.



1 CANOPY DECK FLOOR PLAN
1/8" = 1'-0"

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Revision Schedule

No.	Date	Description

VILLAGE OF STREAMWOOD EST. 1957

KOLLAR POND - PHASE 2
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

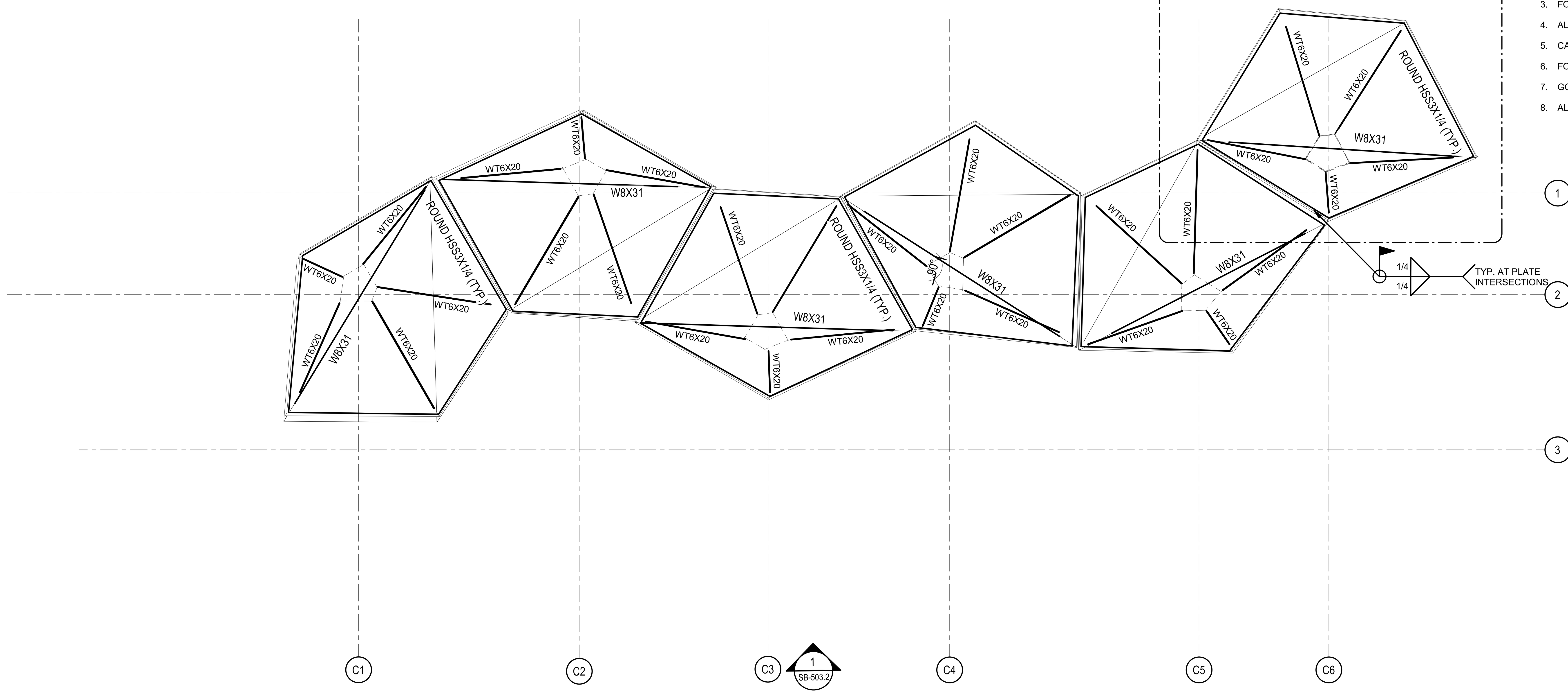
STRUCTURAL
DECK PLAN
PHASE 2

SB-102.2

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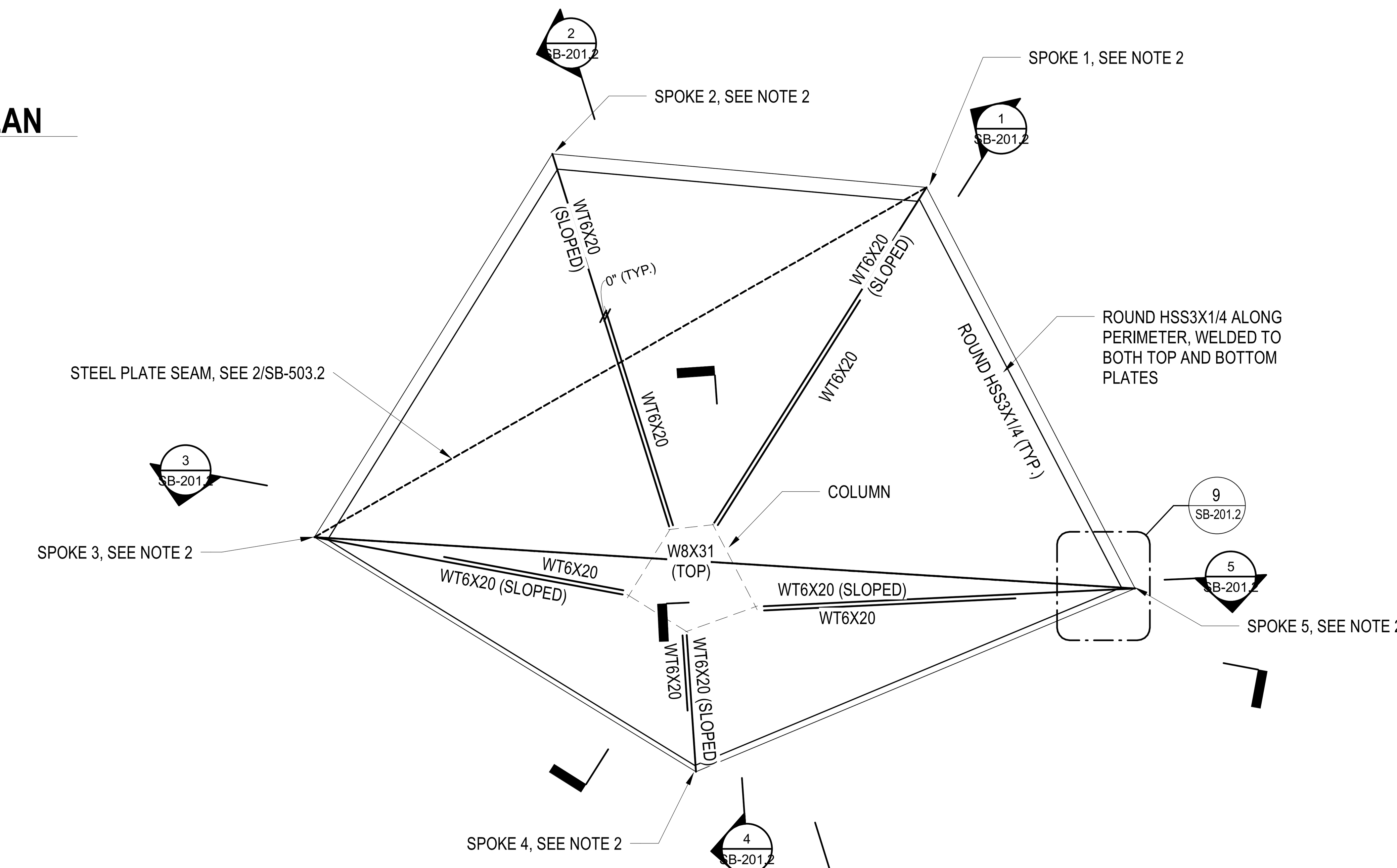
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1 CANOPY ROOF FRAMING PLAN
1/8" = 1'-0"

NOTES:

1. TOP OF CANOPY ROOF VARIES, SEE ARCH DWGS FOR ELEVATIONS
2. CANOPY BEAMS ARE TYPICAL PER PARTIAL PLAN, CANOPY ROTATION VARIES PER SB-102.2. SEE SECTIONS ON SB-201.1 FOR ADDITIONAL INFORMATION.
3. FOR GENERAL NOTES SEE DRAWINGS SB-001
4. ALL STEEL MUST BE GALVANIZED. SEE SPECIFICATIONS.
5. CANOPY COLUMNS GRIDS DENOTED C1, C2, C3, C4, C5, C6
6. FOR COLUMN DETAILS SEE DRAWING SB-503.2.
7. GC SHALL COORDINATE WITH ARCH AND CIVIL DWGS.
8. ALL VISIBLE WELDS SHALL BE AESS LEVEL 3.



2 TYPICAL CANOPY ENLARGED ROOF PLAN
1/4" = 1'-0"

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Revision Schedule

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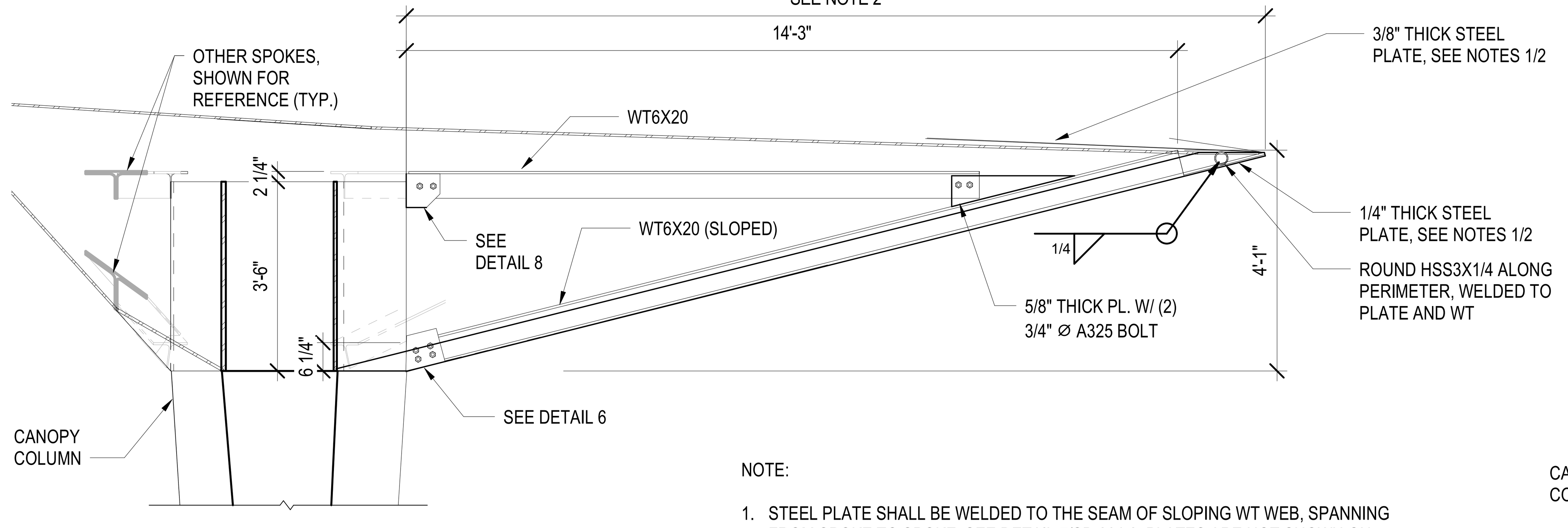
KOLLAR POND - PHASE 2
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

STRUCTURAL
CANOPY ROOF
FRAMING PLAN

SB-103.2

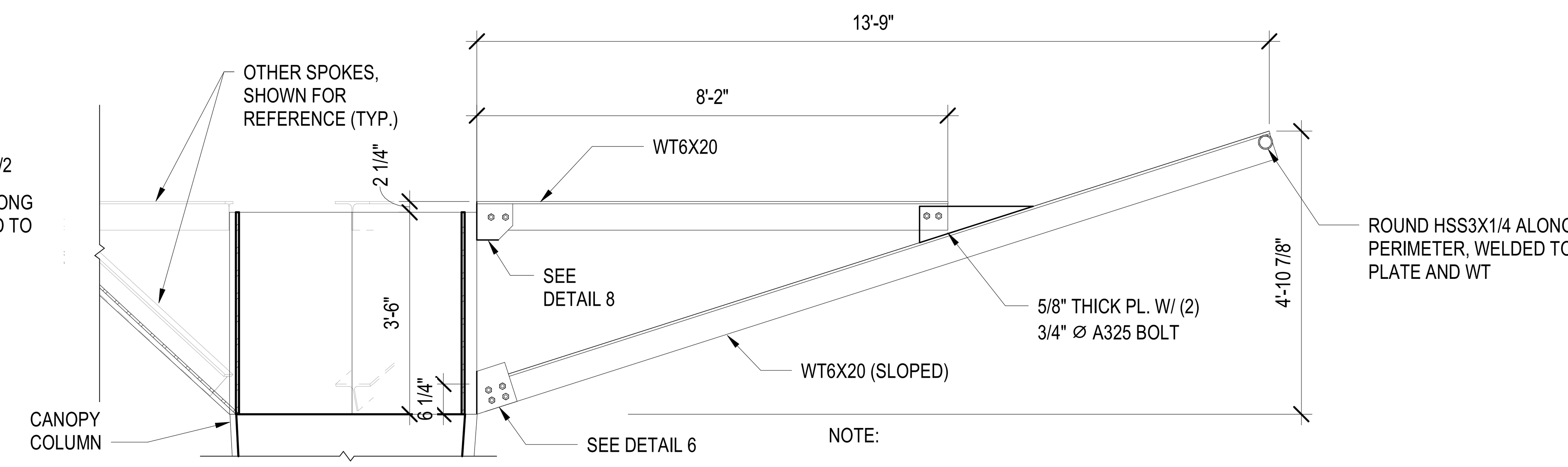
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NOTE:

1. STEEL PLATE SHALL BE WELDED TO THE SEAM OF SLOPING WT WEB, SPANNING FROM SPOKE TO SPOKE. SEE DETAIL 7/SB-201.2. PLATES ARE NOT SHOWN ON OTHER DETAILS FOR CLARITY.
2. SEE DETAIL 2/SB-503.2 FOR POD ROOF PLATE EXTENTS.

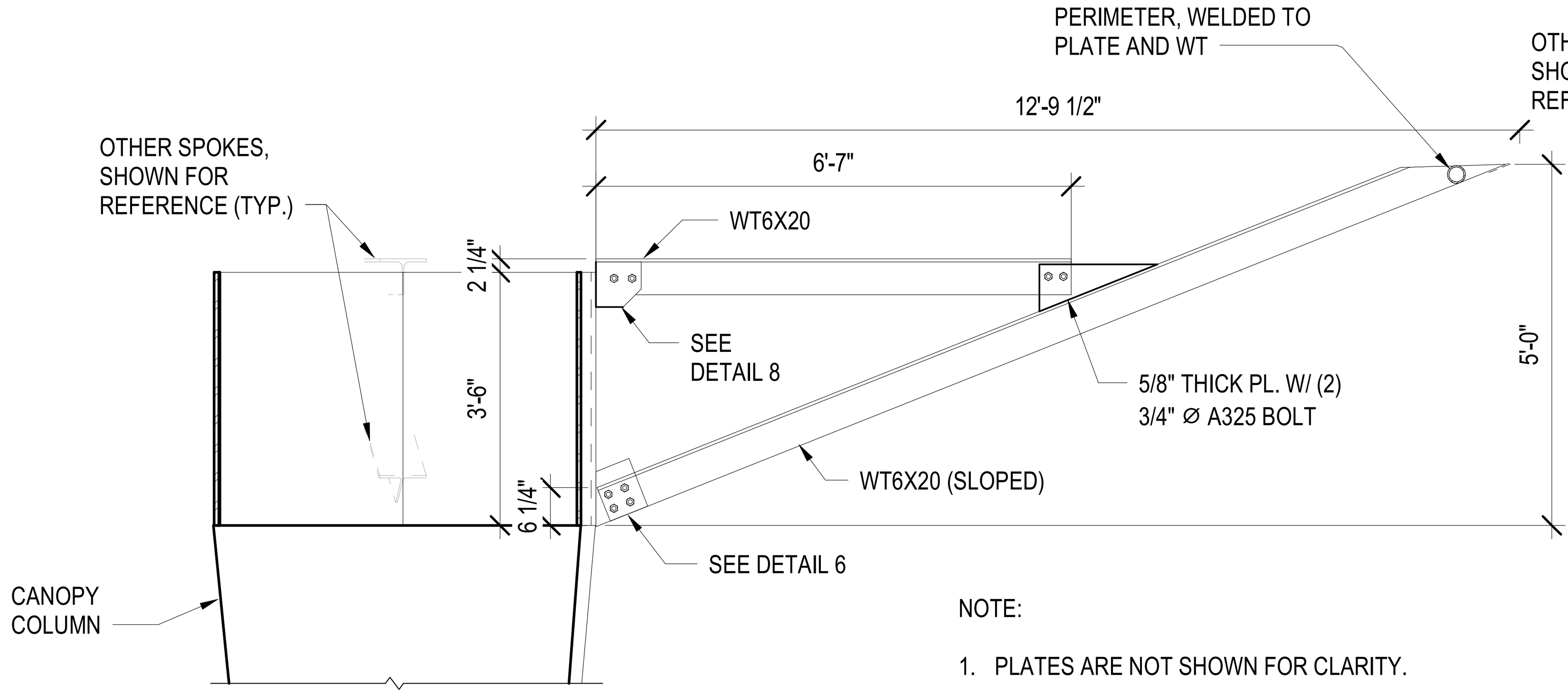
1 CANOPY CONNECTION - SPOKE 1
1/2" = 1'-0"



NOTE:

1. PLATES ARE NOT SHOWN FOR CLARITY.
2. SEE DETAIL 2/SB-503.2 FOR POD ROOF PLATE EXTENTS.

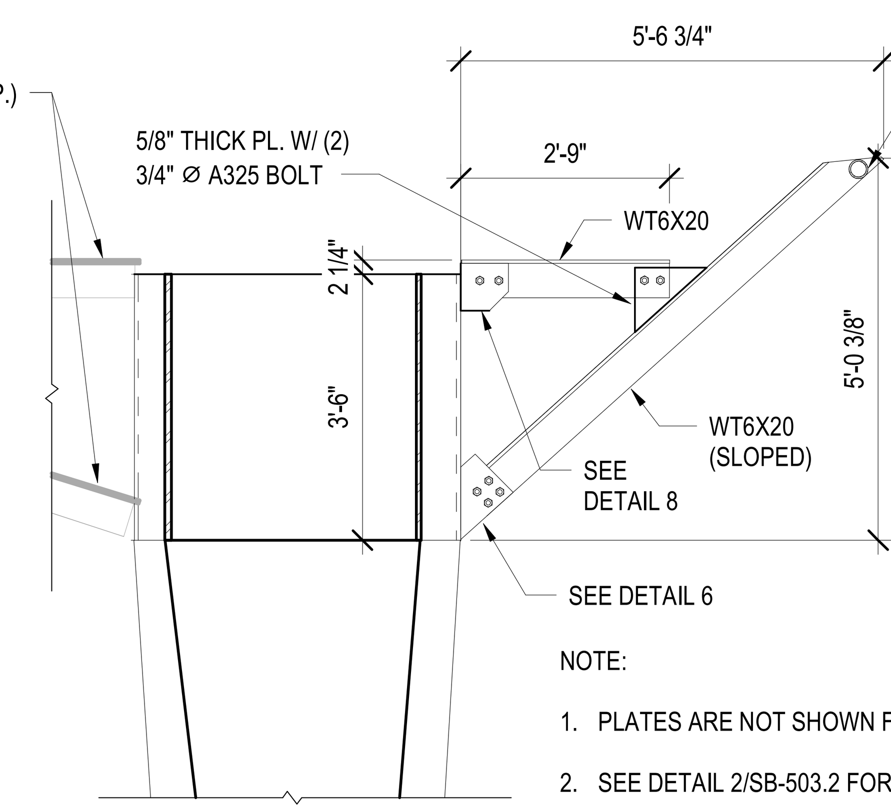
2 CANOPY CONNECTION - SPOKE 2
1/2" = 1'-0"



NOTE:

1. PLATES ARE NOT SHOWN FOR CLARITY.
2. SEE DETAIL 2/SB-503.2 FOR POD ROOF PLATE EXTENTS.

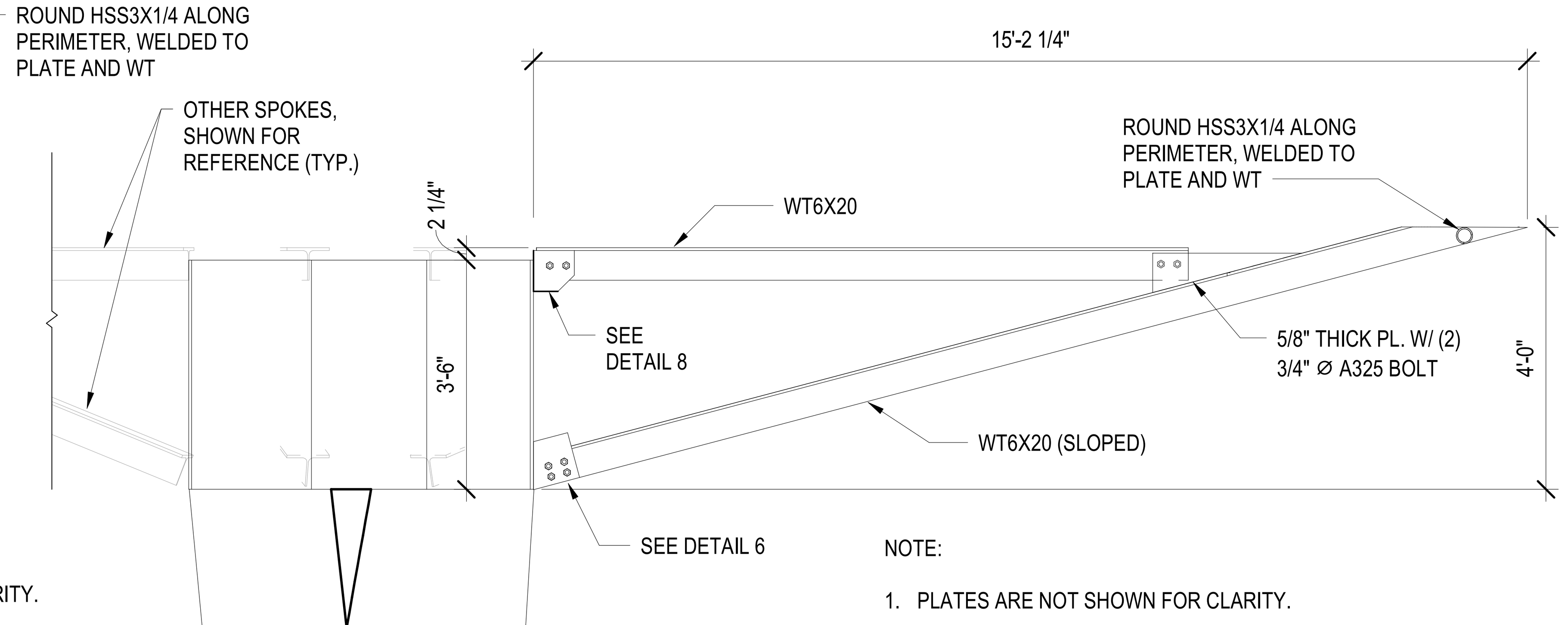
3 CANOPY CONNECTION - SPOKE 3
1/2" = 1'-0"



NOTE:

1. PLATES ARE NOT SHOWN FOR CLARITY.
2. SEE DETAIL 2/SB-503.2 FOR POD ROOF PLATE EXTENTS.

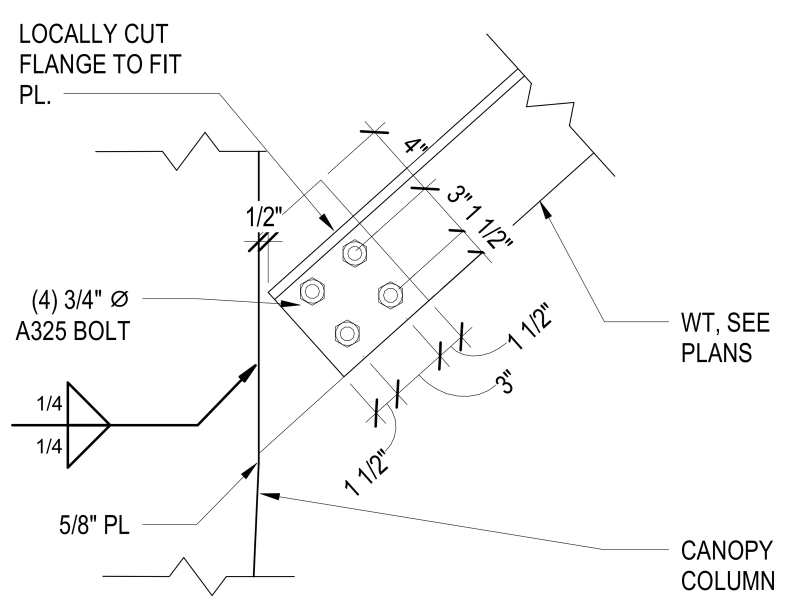
4 CANOPY CONNECTION - SPOKE 4
1/2" = 1'-0"



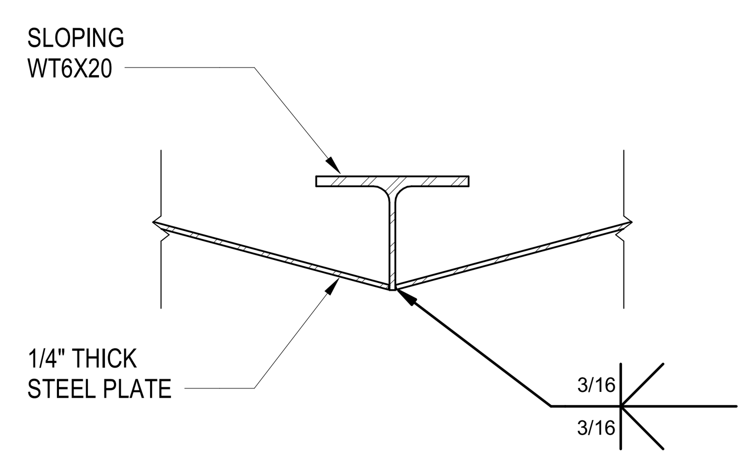
NOTE:

1. PLATES ARE NOT SHOWN FOR CLARITY.
2. SEE DETAIL 2/SB-503.2 FOR POD ROOF PLATE EXTENTS.

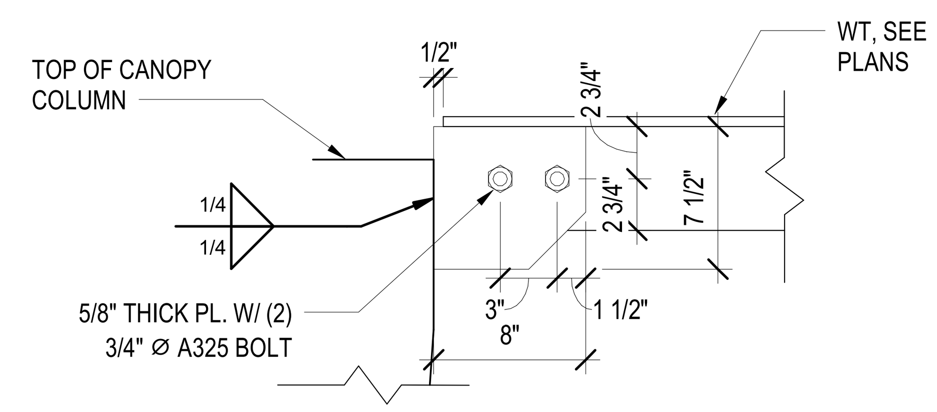
5 CANOPY CONNECTION - SPOKE 5
1/2" = 1'-0"



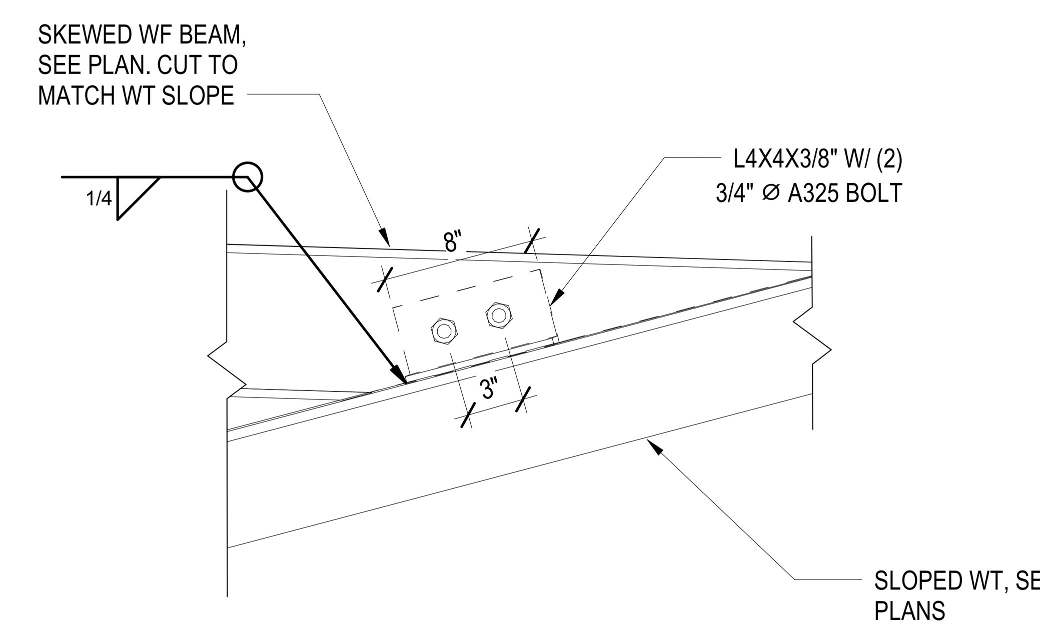
6 WT TO CANOPY COLUMN CONNECTION
N.T.S.



7 CANOPY WT TO PLATE CONNECTION
N.T.S.



8 FLAT WT TO CANOPY COLUMN CONNECTION
N.T.S.



9 BEAM TO SLOPED WT CONNECTION
1 1/2" = 1'-0"

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 2
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

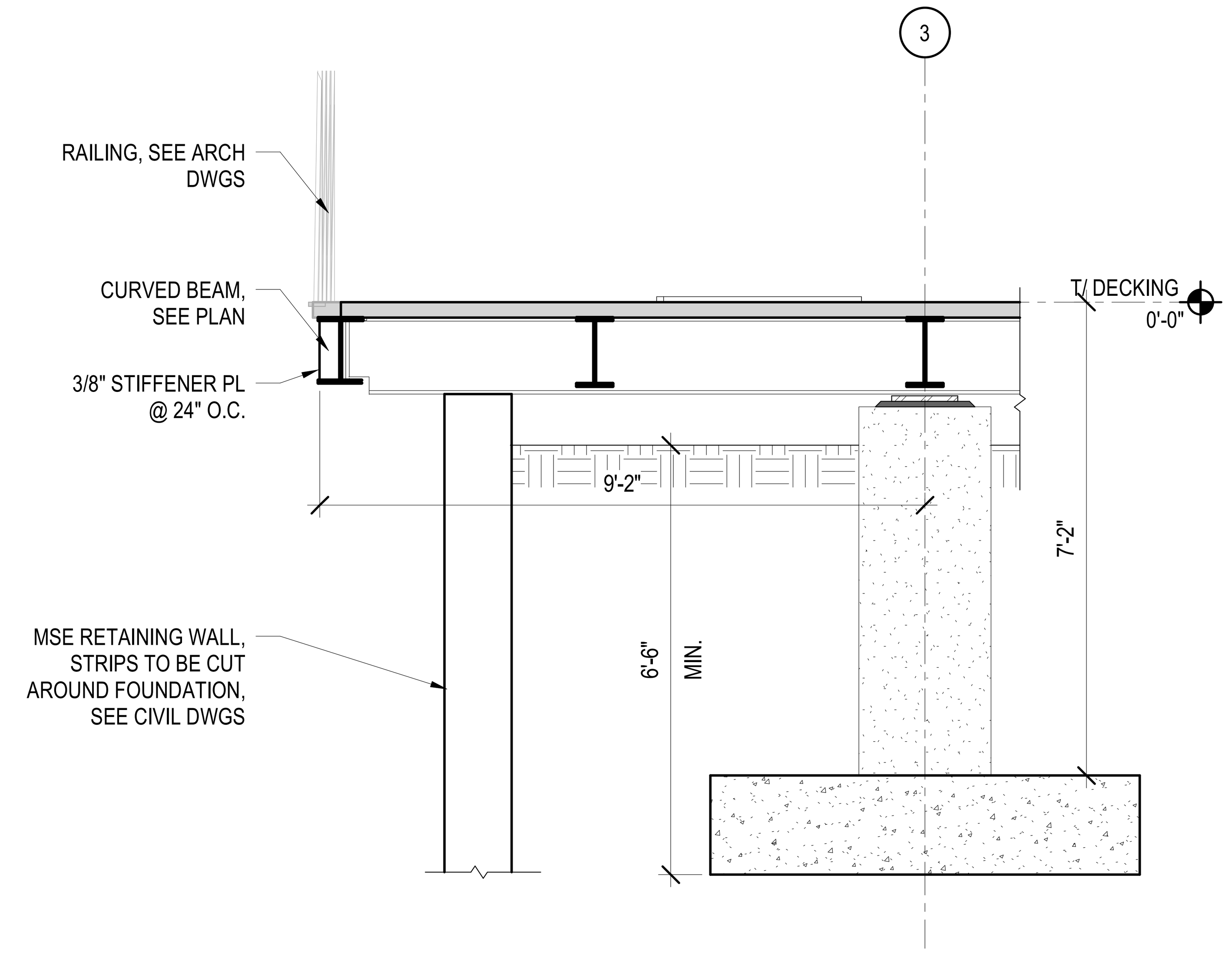
STRUCTURAL SECTIONS - CANOPY ROOF

SB-201.2

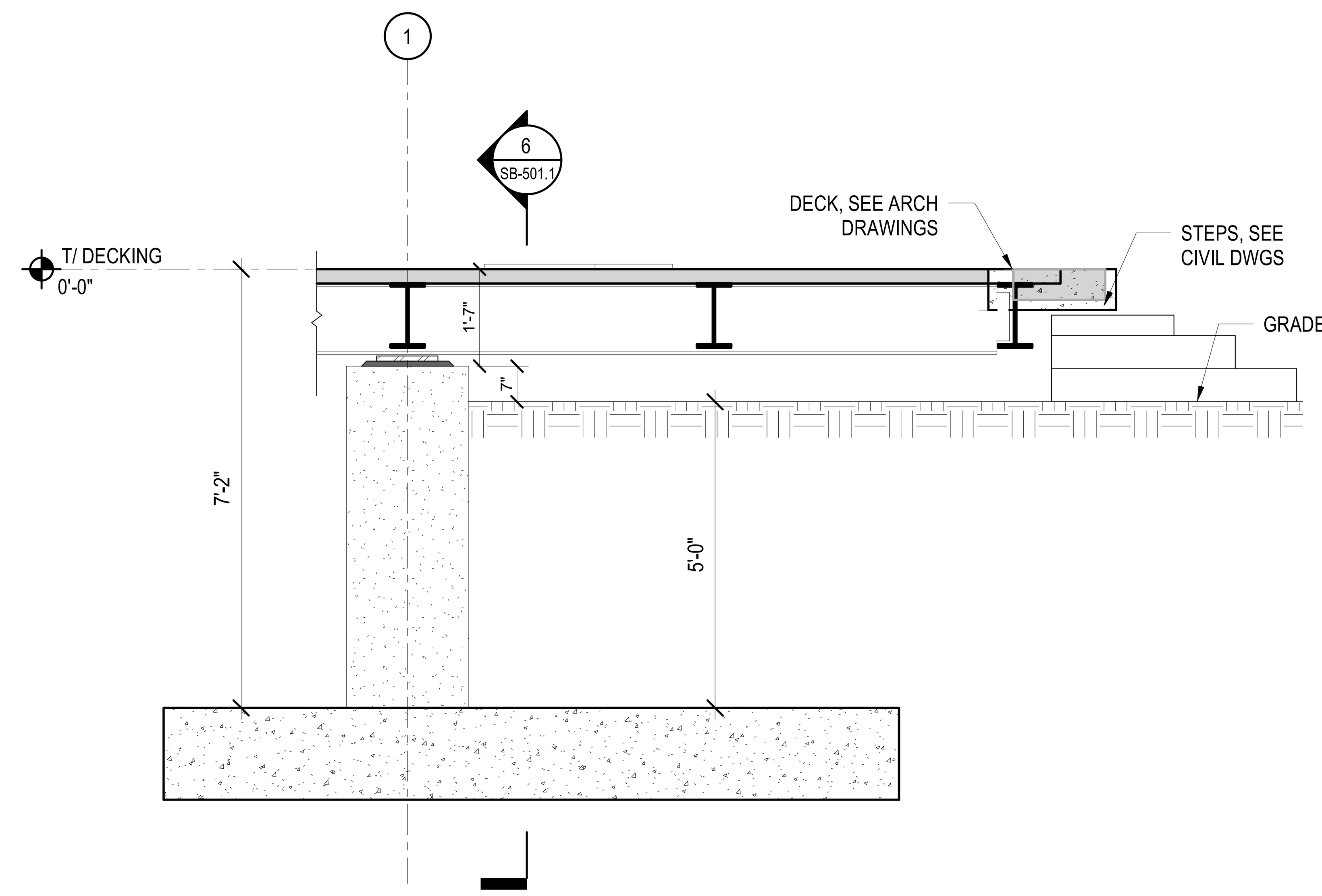
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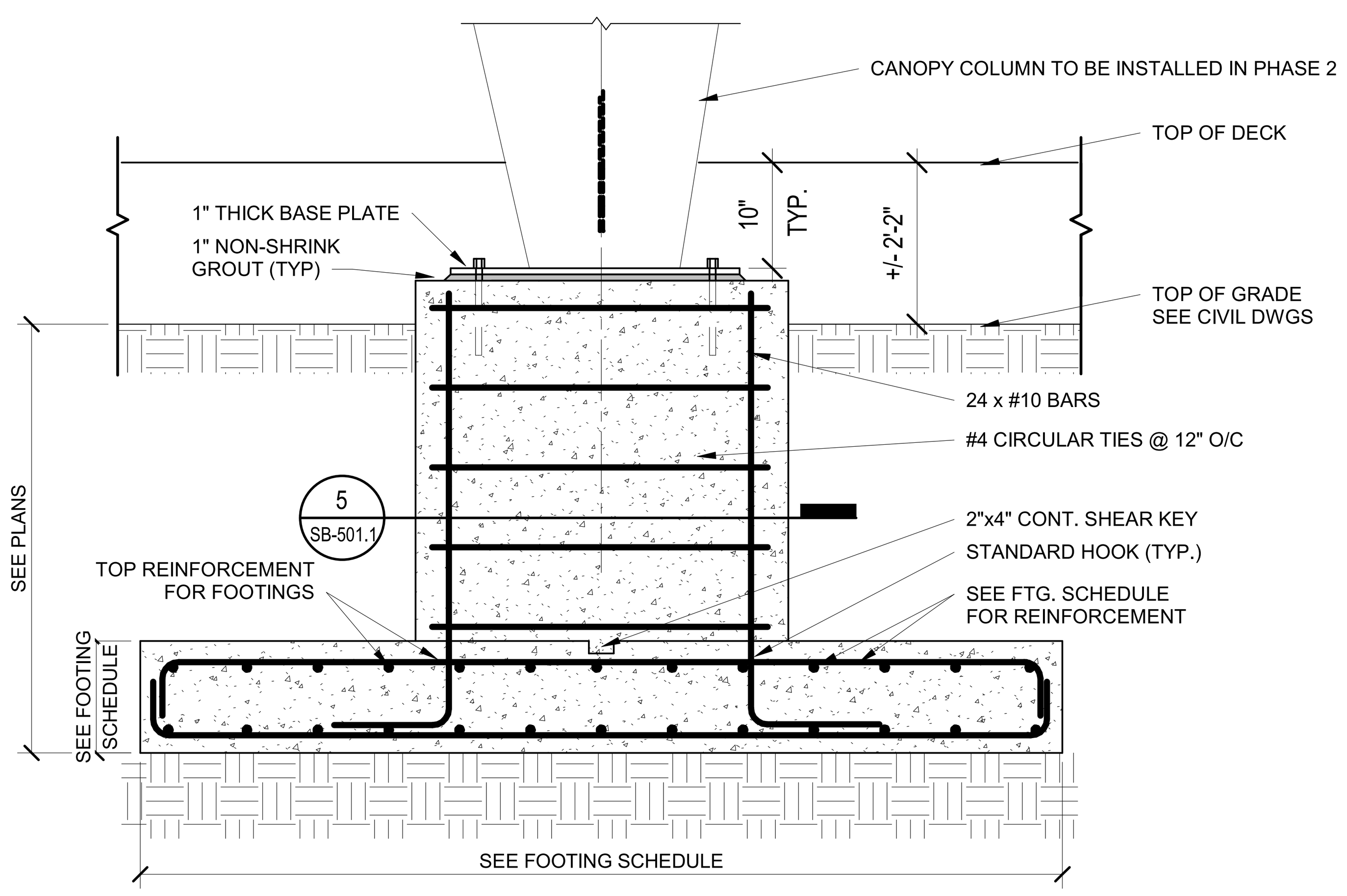


1 DECK EDGE SOUTH SECTION
1/2" = 1'-0"



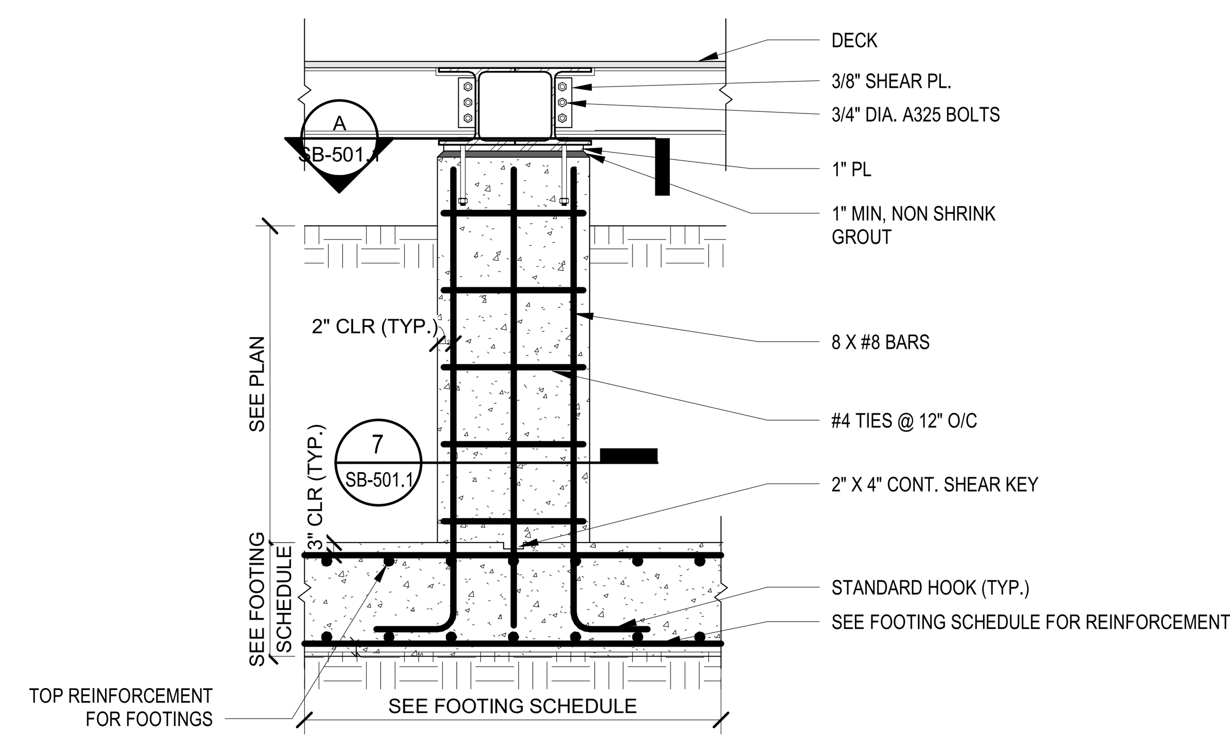
2 DECK EDGE NORTH SECTION
1/2" = 1'-0"

FOOTING SCHEDULE					
Type	Thickness	Length	Width	Top Reinforcement	Bottom Reinforcement
F6	1'-6"	6'-6"	6'-6"	#7s @12" O.C. BOTH WAYS	#7s @12" O.C. BOTH WAYS
F15	1'-6"	15'-0"	15'-0"	#7s @12" O.C. BOTH WAYS	#7s @12" O.C. BOTH WAYS
F101	1'-6"	12'-0"	32'-6"	#7s @12" O.C. BOTH WAYS	#7s @12" O.C. BOTH WAYS
F102	1'-6"	17'-0"	14'-0"	#7s @12" O.C. BOTH WAYS	#7s @12" O.C. BOTH WAYS
F103	1'-6"	20'-0"	18'-0"	#7s @12" O.C. BOTH WAYS	#7s @12" O.C. BOTH WAYS
F104	1'-6"	17'-0"	19'-0"	#7s @12" O.C. BOTH WAYS	#7s @12" O.C. BOTH WAYS

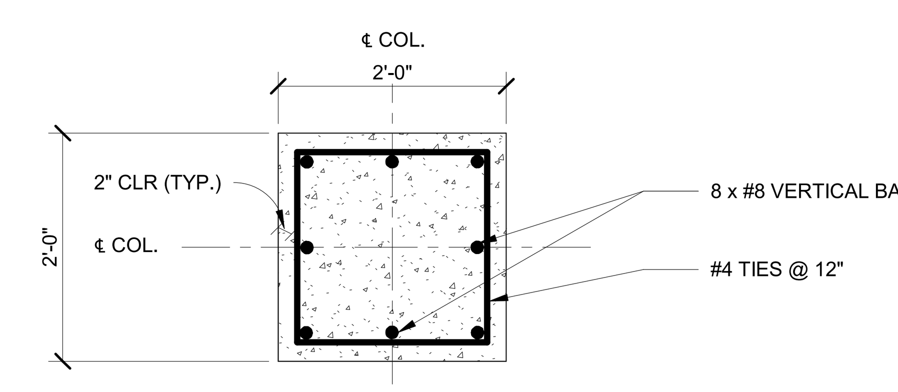


NOTES:
1. FOOTING CENTERED ON COLUMN, U.O.N. ON PLAN.
2. FOR CLARITY, SPRAYED FIREPROOFING IS NOT SHOWN ON THE COLUMN.
3. WHERE DOWELS PROVIDED BETWEEN PIER AND THE FOOTING, DOWELS TO MATCH VERTICAL REINFORCEMENT.
4. STANDARD HOOK LENGTHS TO BE IN ACCORDANCE WITH ACI 318.
5. FOR WATERPROOFING SEE ARCH DWGS

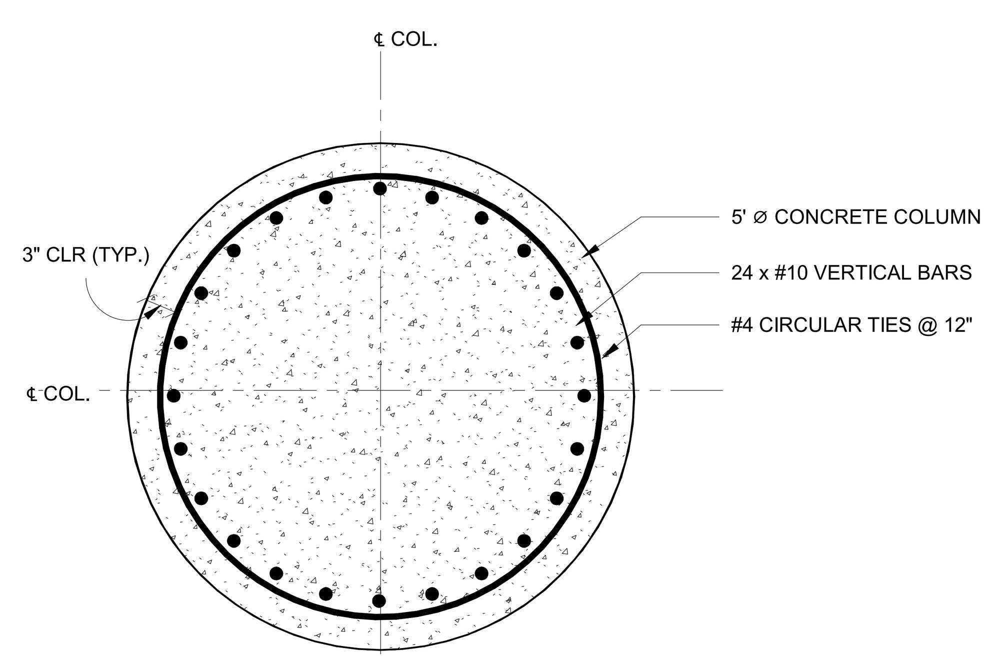
3 CANOPY FOUNDATION DETAILS
1/2" = 1'-0"



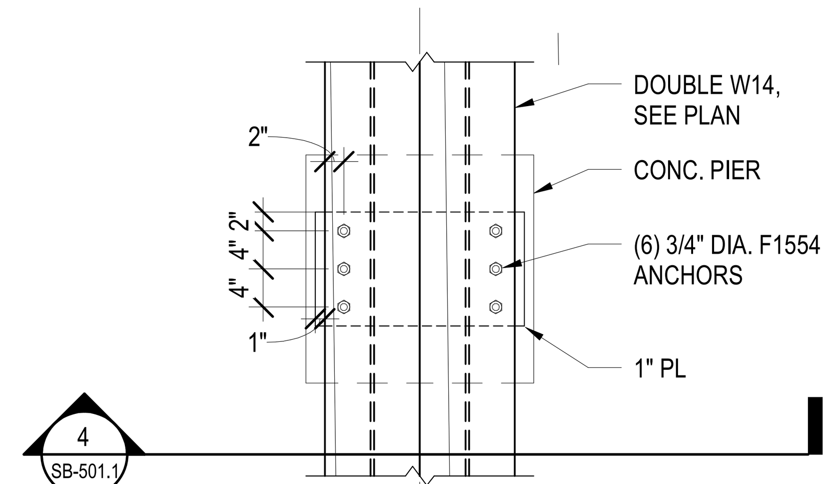
6 DECK FOUNDATION DETAILS
1/2" = 1'-0"



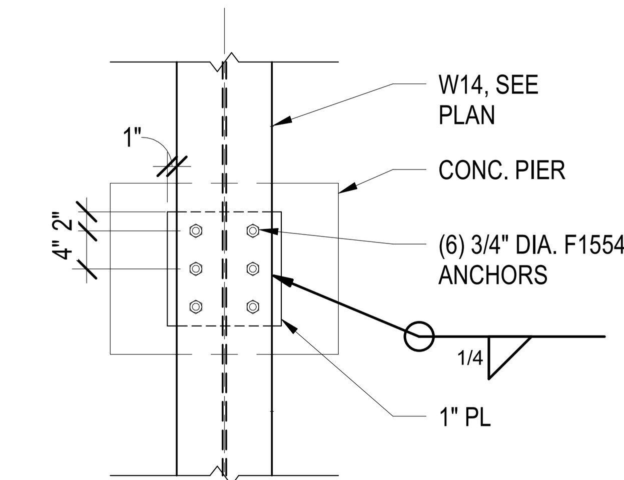
7 RECTANGULAR PIER DETAIL
3/4" = 1'-0"



5 CIRCULAR PIER DETAIL
1/2" = 1'-0"



A DOUBLE BEAM SUPPORT PLAN SECTION
3/4" = 1'-0"



4 SINGLE BEAM SUPPORT PLAN DETAIL
3/4" = 1'-0"

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

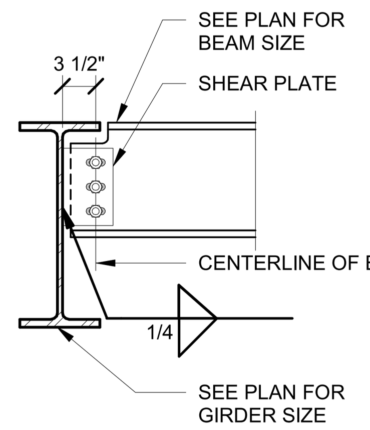
STRUCTURAL DETAILS - FOUNDATION

SB-501.1

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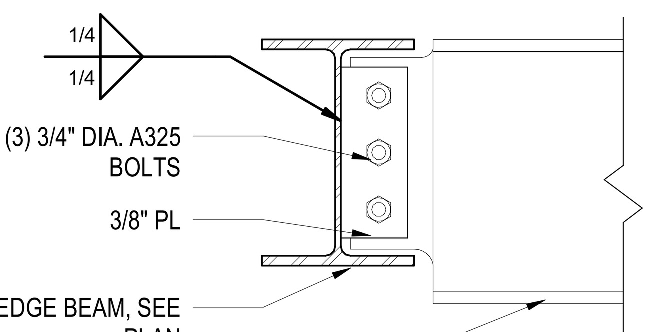
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SINGLE SHEAR PLATE CONNECTION CAPACITY (KIPS) 3/4"∅ A325 WITH SHORT SLOTTED HOLES				
n BOLTS	PLATE THK "t"	STD. CONN. ON BEAM	CONNECTION ASD CAPACITY	CONNECTION LRFD CAPACITY
2	3/8"	W8, W10	16.5	24.8
3	3/8"	W12, W14	28.8	43.4
4	3/8"	W16, W18	41.5	62.5

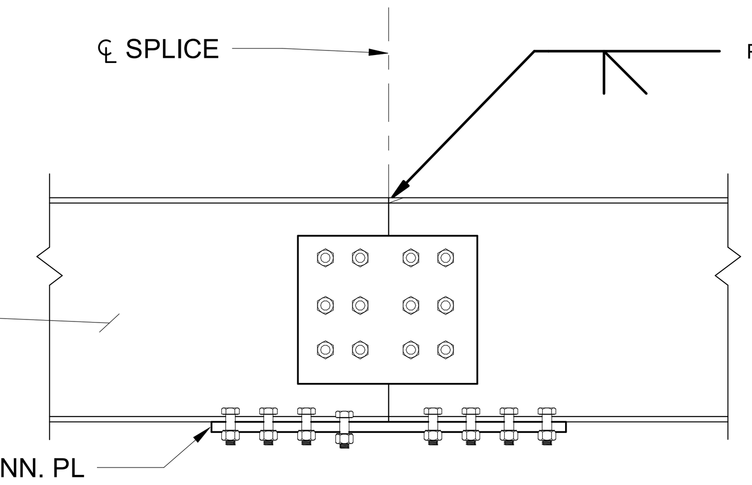


NOTES:
1. COPE BEAMS AS NECESSARY.
2. CONNECTION PLATE IS TO BE 3/8" THICK OR GREATER.
3. CONNECTION IS TO USE 3/4" DIAMETER A325 BOLTS, U.O.N. SEE STRUCTURAL GENERAL NOTES.
4. LOADS ARE PROVIDED ACCORDING TO AISC MANUAL TABLE 10-10a
5. SHEAR PLATE IS TO BE WELDED WITH MIN. 1/4" FILLET WELD.
6. SHEAR PLATE CAN BE REPLACED BY A DOUBLE L4X4X5/16 CLIP ANGLE

1 TYPICAL BEAM TO BEAM CONNECTION DETAIL
NTS



2 EDGE BEAM CONENCTION DETAIL
1 1/2" = 1'-0"



NOTE:
TOP FLANGE SPLICE TO BE WELDED TO AVOID INTERFERENCE WITH DECK PLANKS

3 W14 BEAM SPLICE
1" = 1'-0"

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 1
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

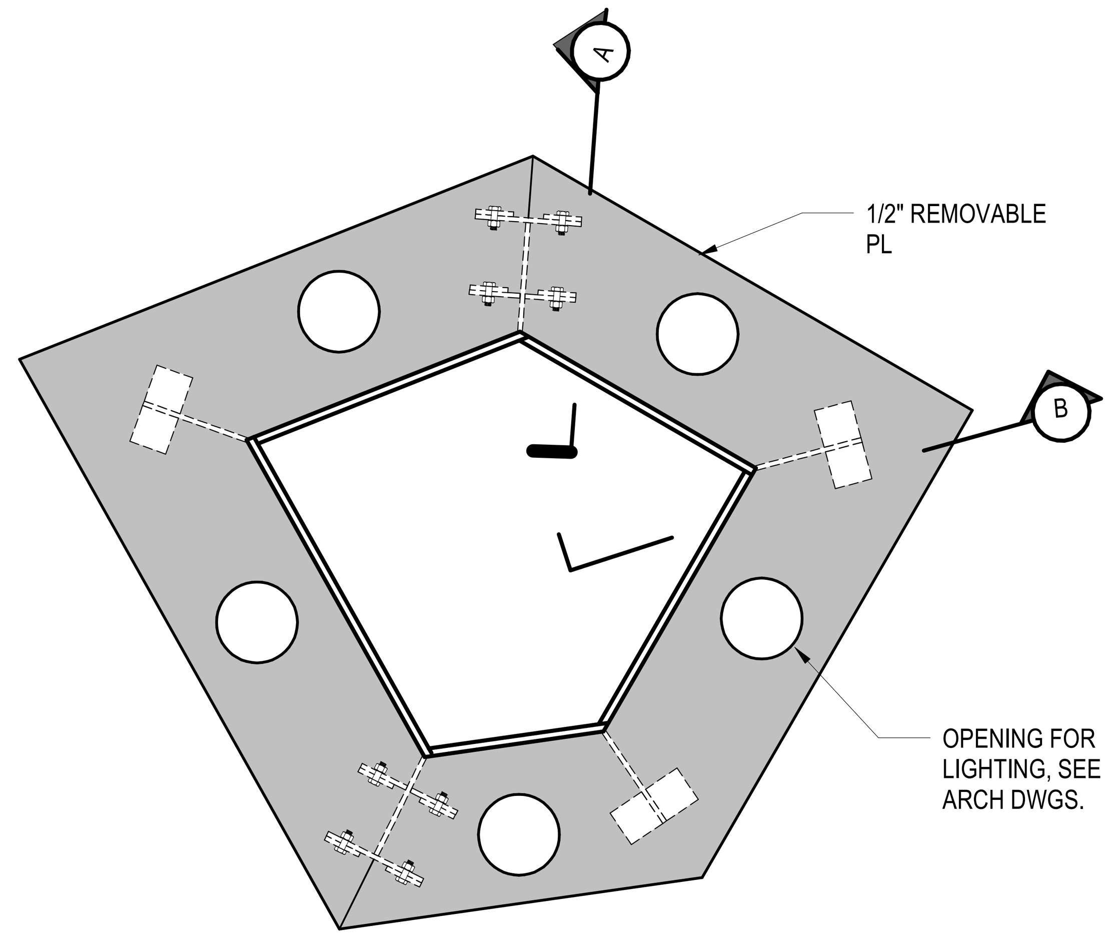
STRUCTURAL DETAILS - STEEL

SB-502.1

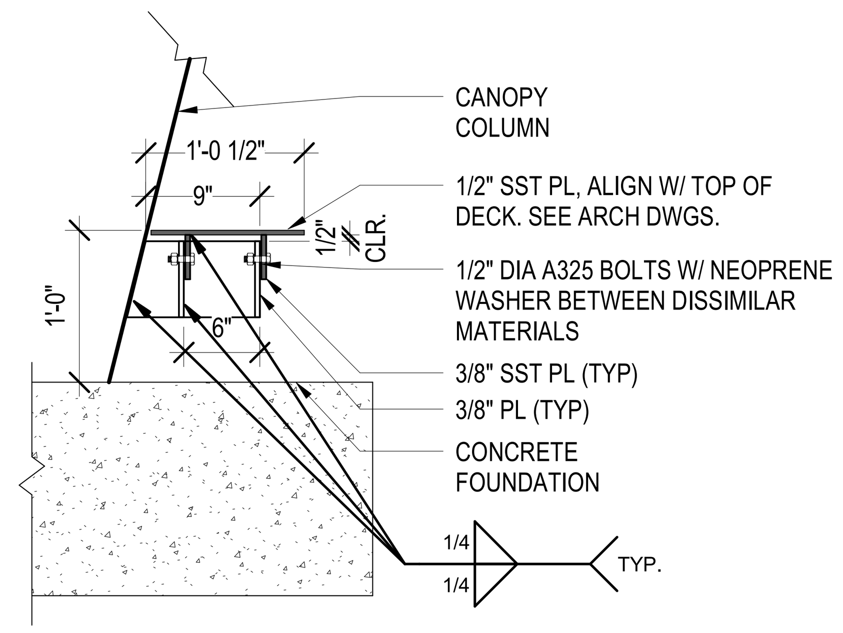
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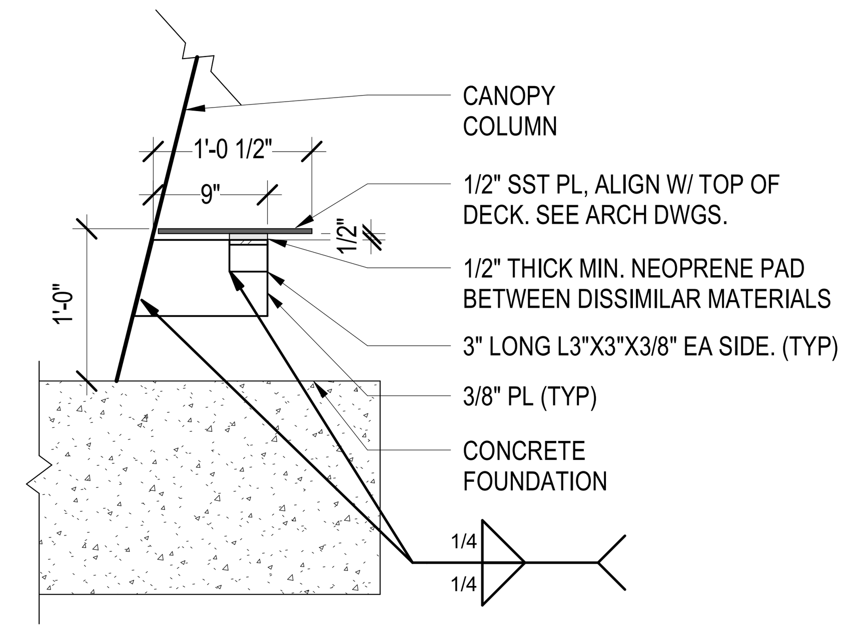
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1 DECK PLATE DETAIL
1" = 1'-0"



SECTION A-A



SECTION B-B

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Revision Schedule

No.	Date	Description

KOLLAR POND - PHASE 2
VILLAGE OF STREAMWOOD
55 E Irving Park Road
Streamwood, IL 60107

Project Number	24255
Issue	100% CD SET
Date	2026-07-31

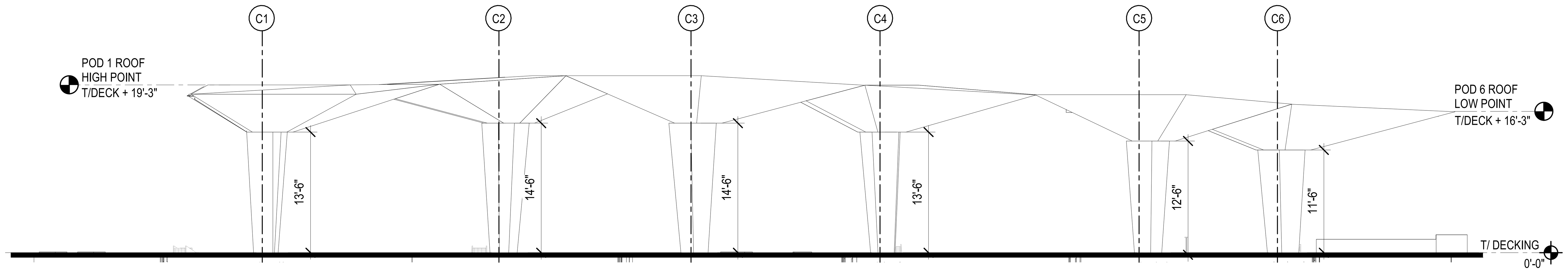
STRUCTURAL
DETAILS -
STEEL PHASE 2

SB-502.2

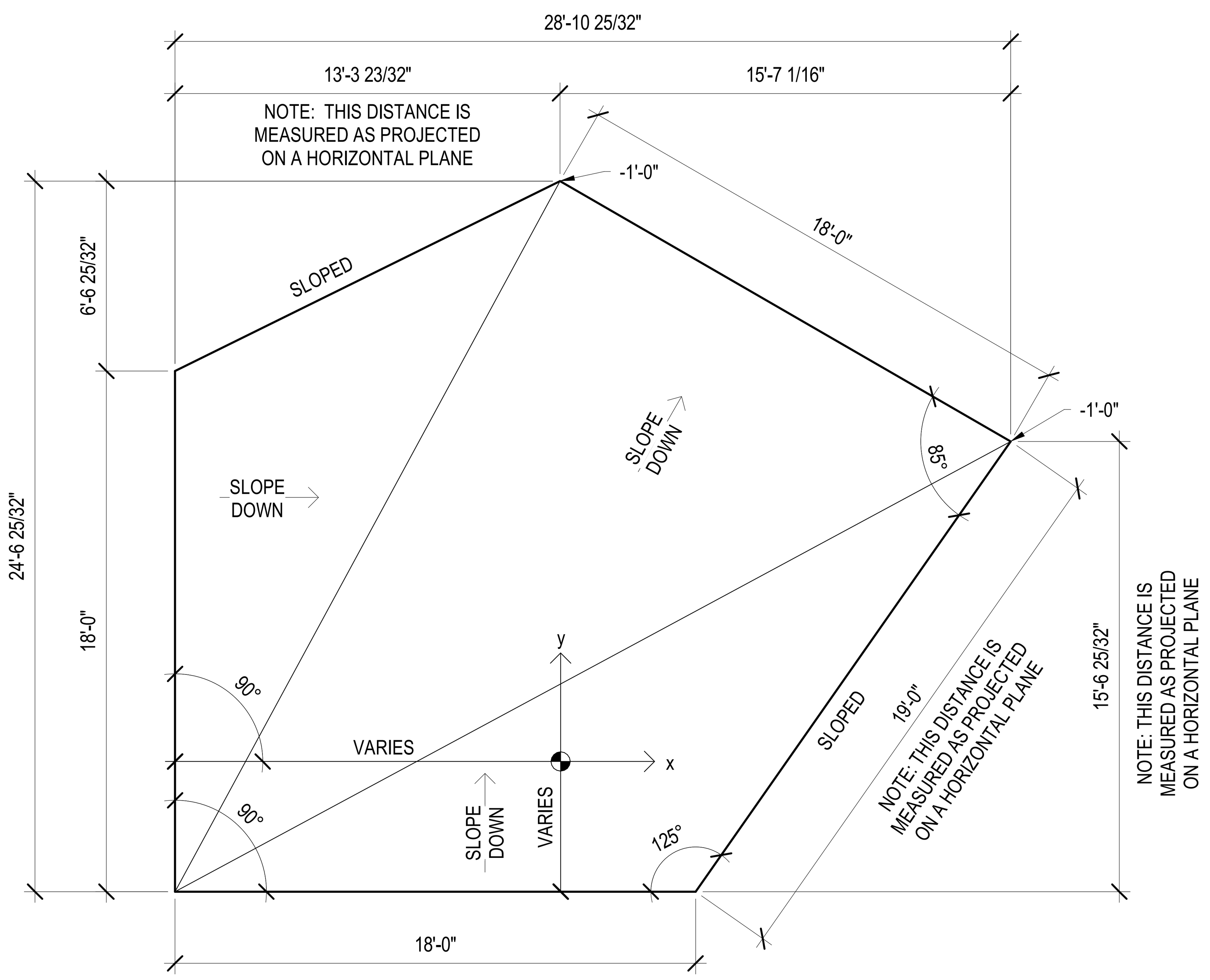
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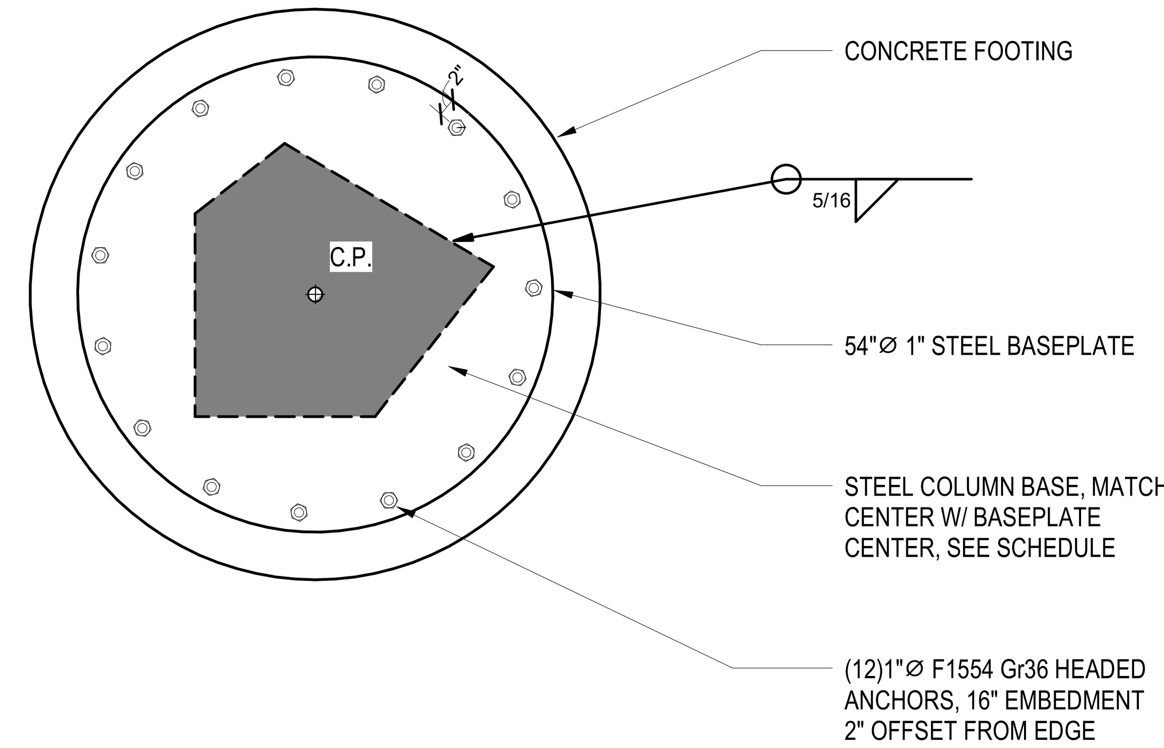
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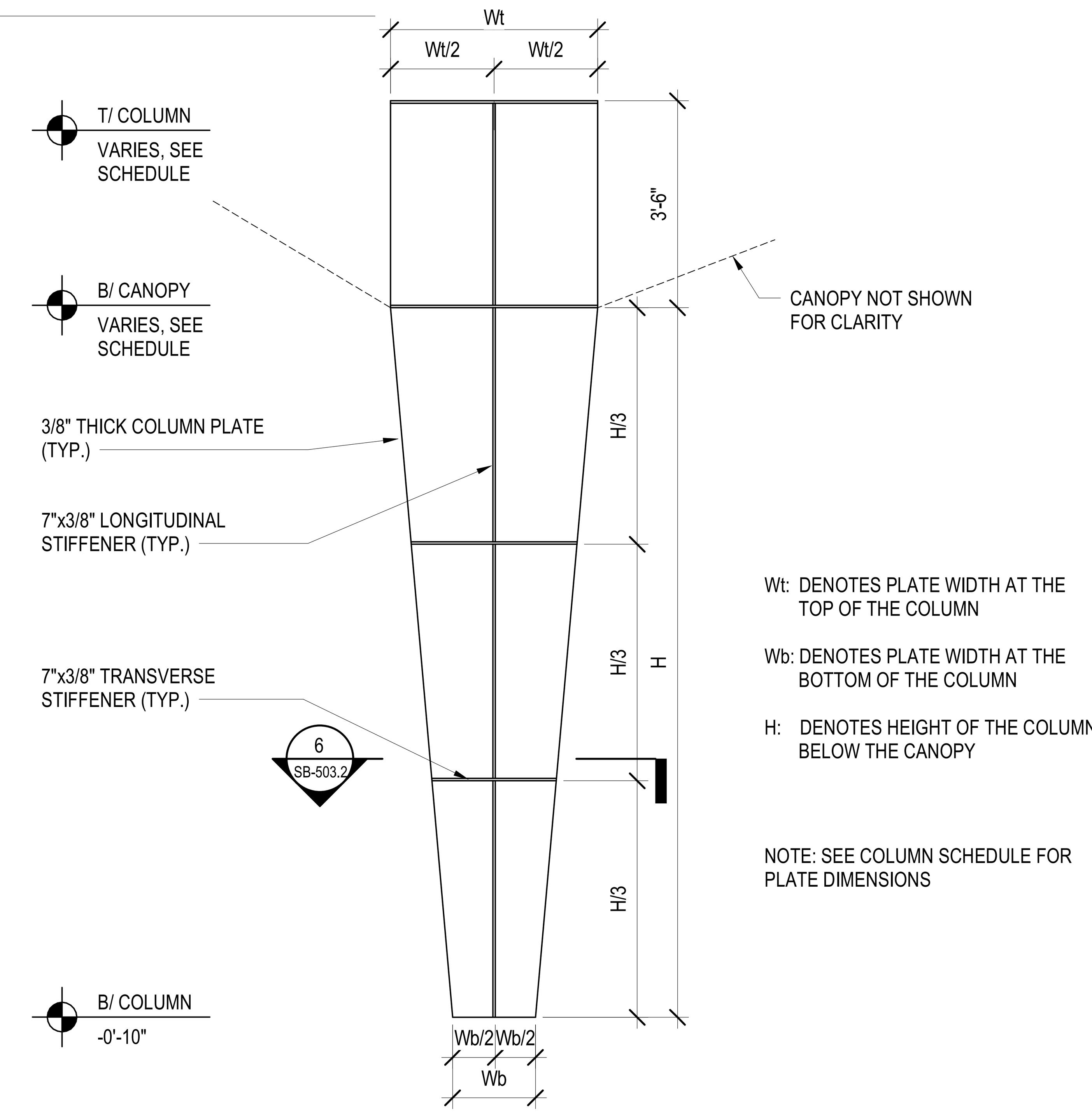
1 SOUTH ELEVATION
1/8" = 1'-0"



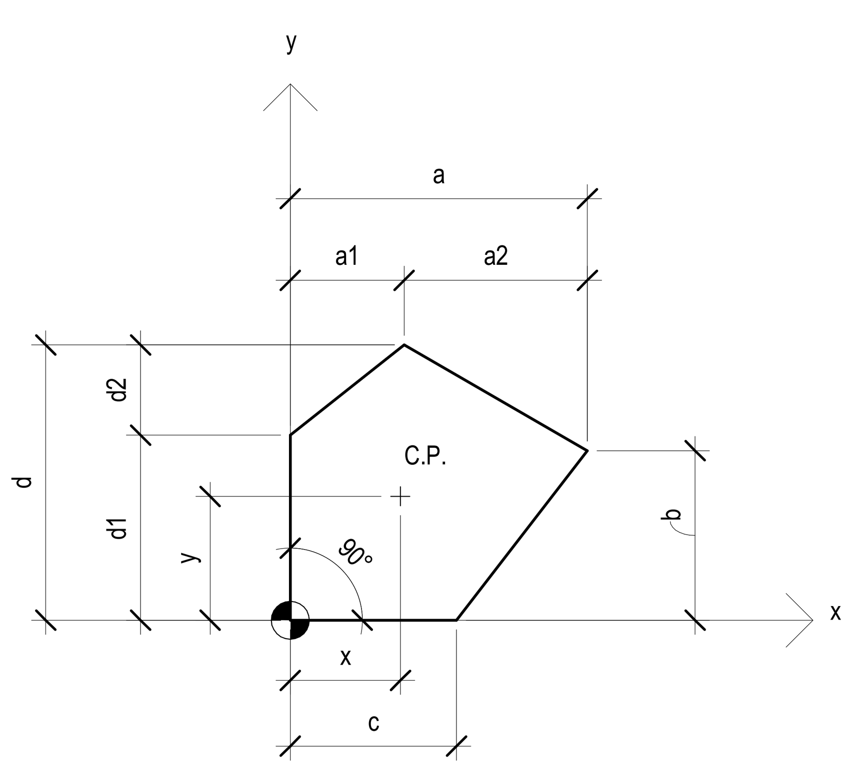
2 POD ROOF DIMENSIONS
1/4" = 1'-0"



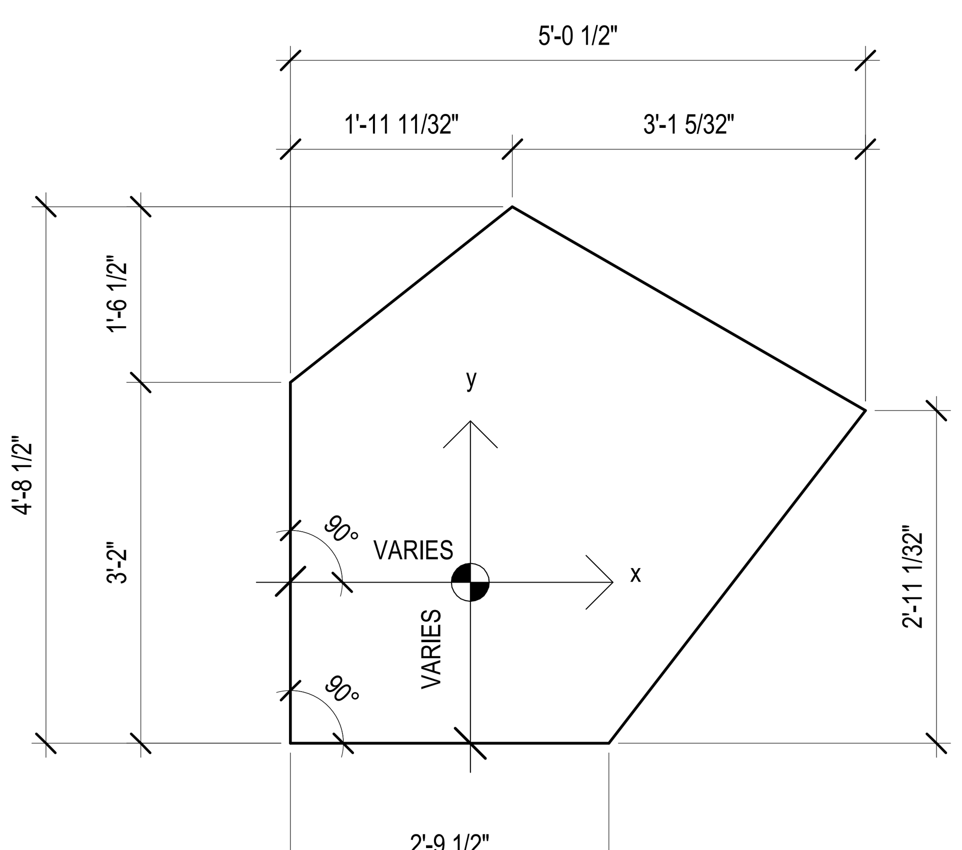
3 COLUMN BASEPLATE
3/4" = 1'-0"



4 COLUMN STIFFENER ELEVATION
1/2" = 1'-0"



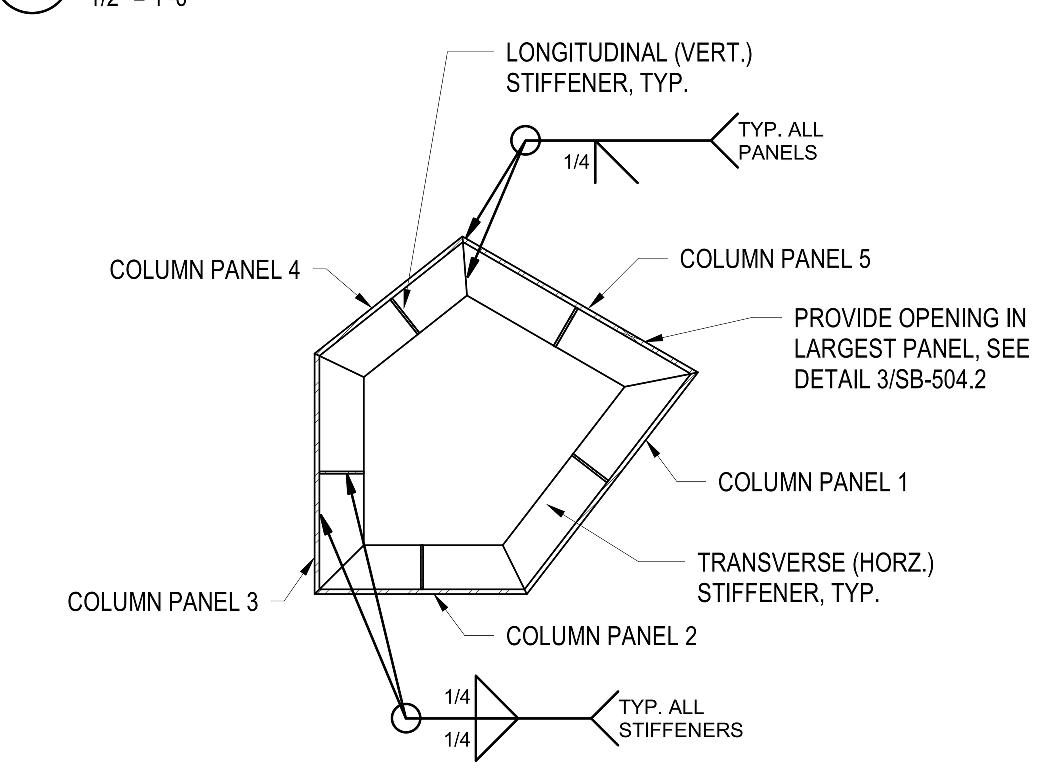
BOTTOM - AT DECK LEVEL
(DIMENSIONS VARY, SEE SCHEDULE)



TOP
(SAME FOR ALL COLUMNS)

5 COLUMN DIMENSIONS
3/4" = 1'-0"

COLUMN SCHEDULE									
COLUMN	H	BOTTOM DIMENSIONS							
		a1	a2	b	c	d1	d2	C.P. x	C.P. y
C1	12.5'	0'-9 7/8"	1'-11 1/8"	1'-4 5/8"	1'-8"	1'-10 1/2"	0'-7 3/4"	1'-0 9/16"	1'-1 7/8"
C2	14.5'	0'-9 3/8"	1'-10"	1'-3 3/4"	1'-6 7/8"	1'-9 3/8"	0'-7 3/8"	0'-11 15/16"	1'-1 3/16"
C3	14.5'	0'-9 3/8"	1'-10"	1'-3 3/4"	1'-6 7/8"	1'-9 3/8"	0'-7 3/8"	0'-11 15/16"	1'-1 3/16"
C4	13.5'	0'-9 7/8"	1'-11 1/8"	1'-4 5/8"	1'-8"	1'-10 1/2"	0'-7 3/4"	1'-0 9/16"	1'-1 7/8"
C5	12.5'	0'-10 1/2"	2'-0 1/4"	1'-5 1/2"	1'-9"	1'-11 5/8"	0'-8 1/8"	1'-1 1/4"	1'-2 9/16"
C6	11.5'	0'-11"	2'-1 1/2"	1'-6 1/4"	1'-10"	2'-0 3/4"	0'-8 5/8"	1'-1 29/32"	1'-3 9/32"



6 COLUMN STIFFENER PLAN
1/2" = 1'-0"

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Revision Schedule

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KOLLAR POND - PHASE 2
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Streamwood, IL 60107

Project Number	24255
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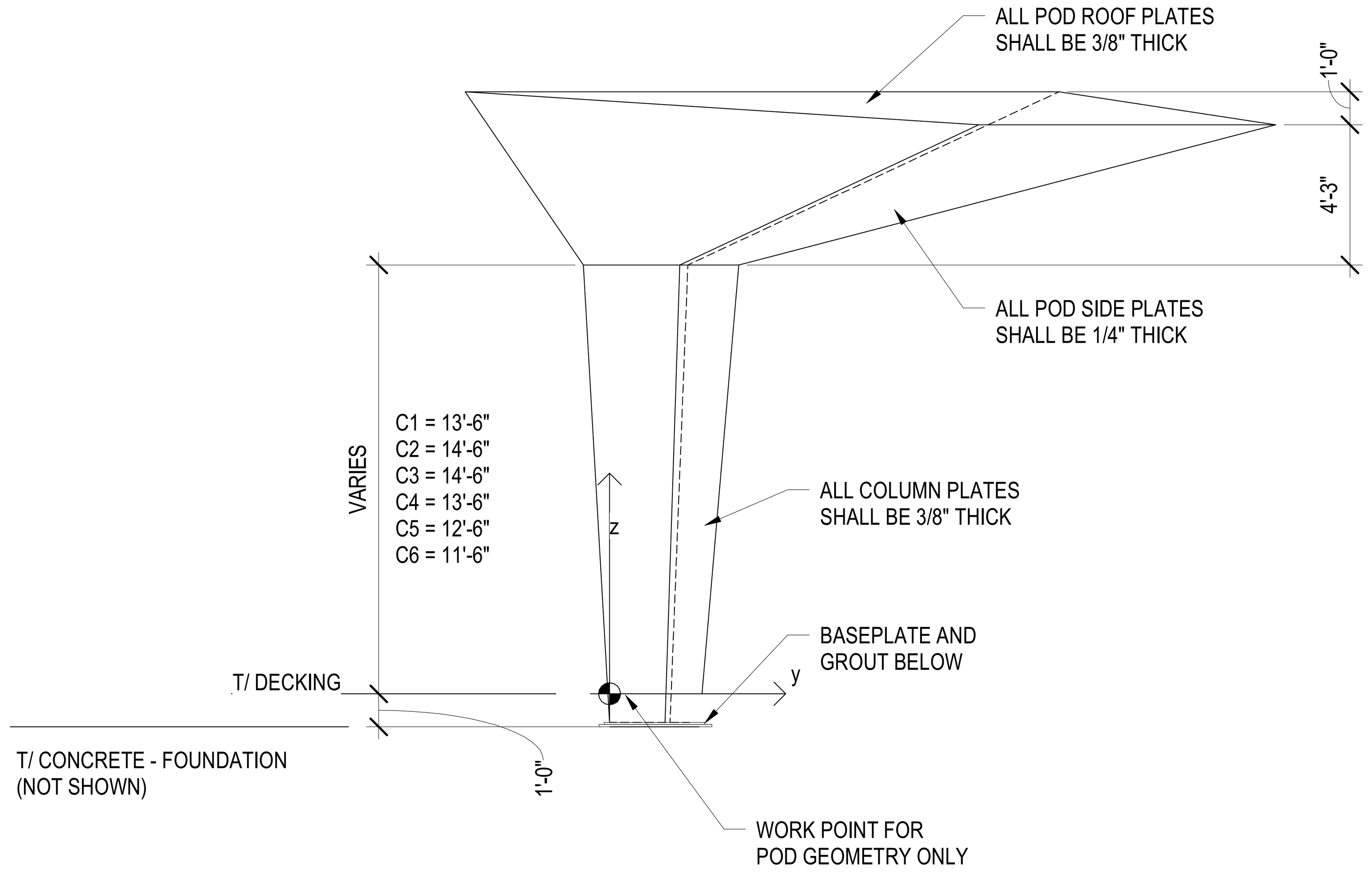
STRUCTURAL
DETAILS -
CANOPY
COLUMN I

SB-503.2

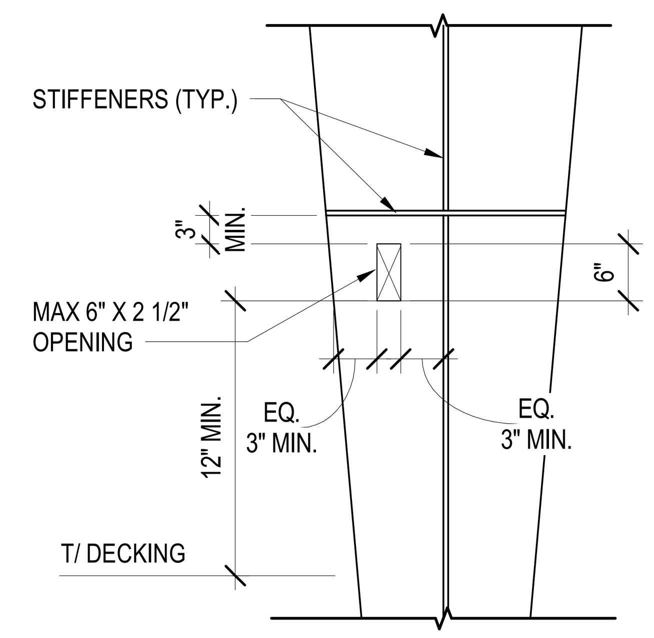
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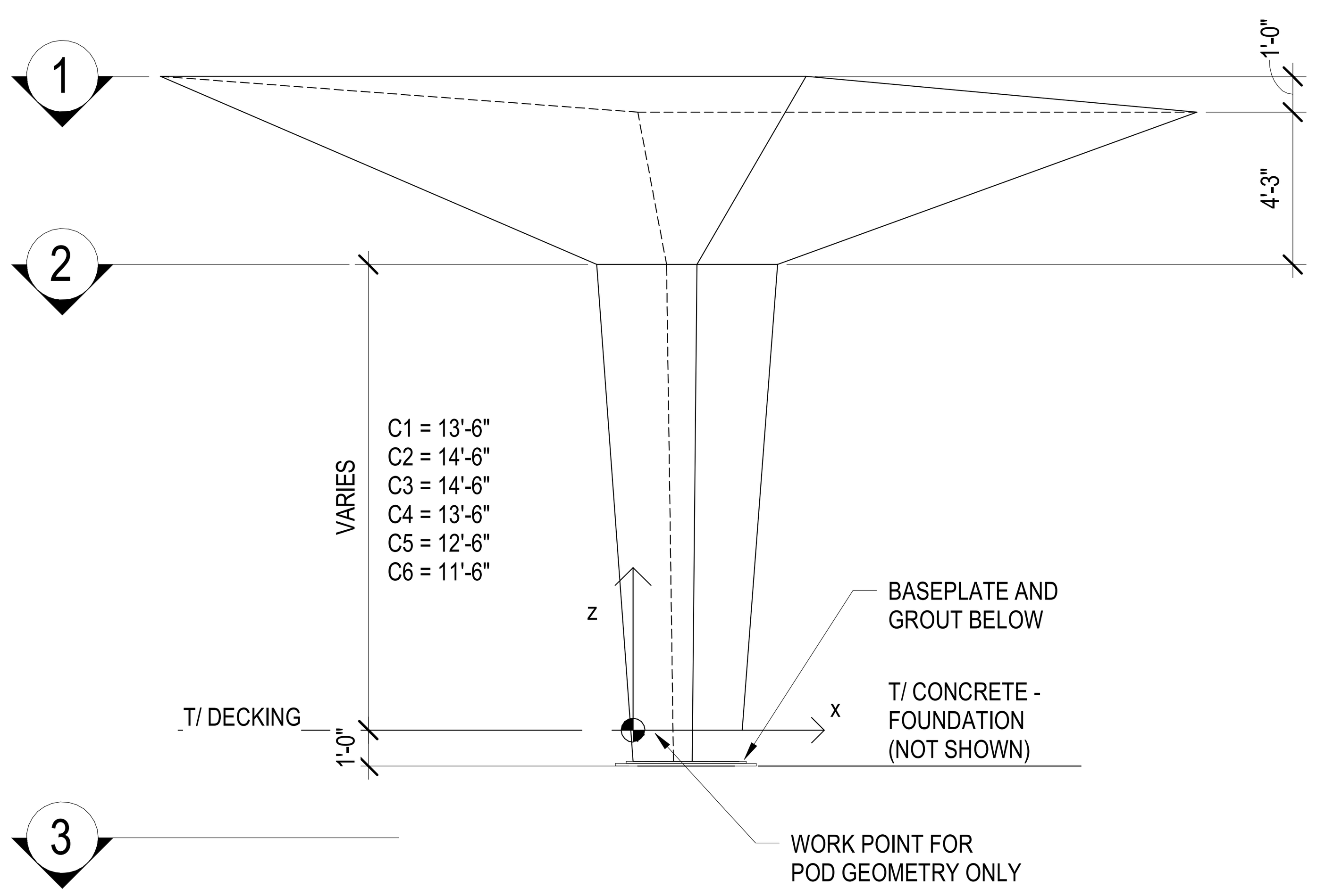
A B C 1 2 3 4



1 ELEVATION - WORK POINTS
1/4" = 1'-0"



3 COLUMN OPENING ELEVATION DETAIL
N.T.S.



2 ELEVATION - WORK POINTS
1/4" = 1'-0"

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STRUCTURAL DETAILS - CANOPY COLUMNS II

SB-504.2

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