



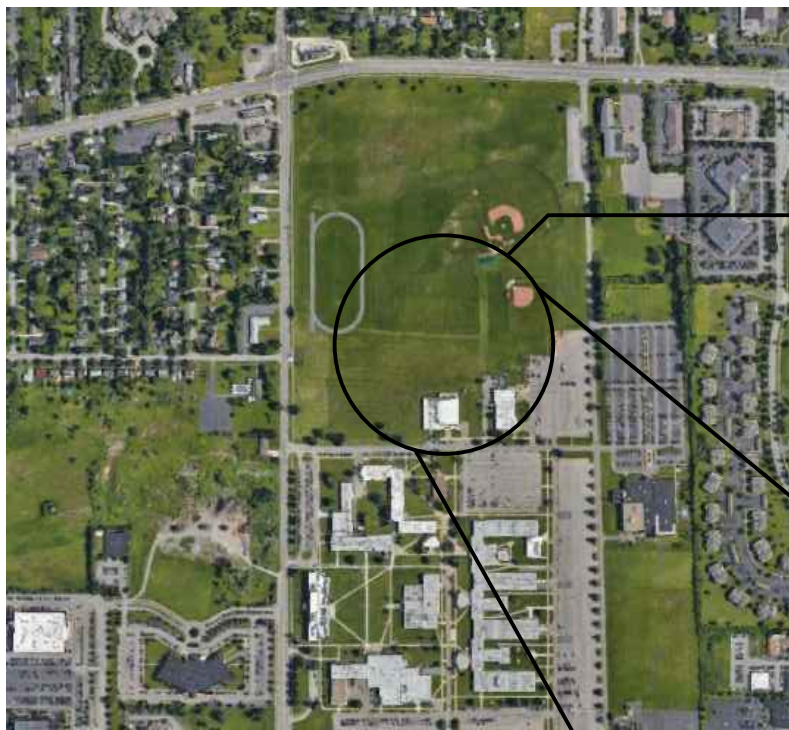
ERIE COMMUNITY COLLEGE
SPORTS PLAYING FIELD PROJECT PHASE 1
6205 MAIN STREET
WILLIAMSVILLE, NY 14221

ISSUED FOR BID
NOVEMBER 27, 2024

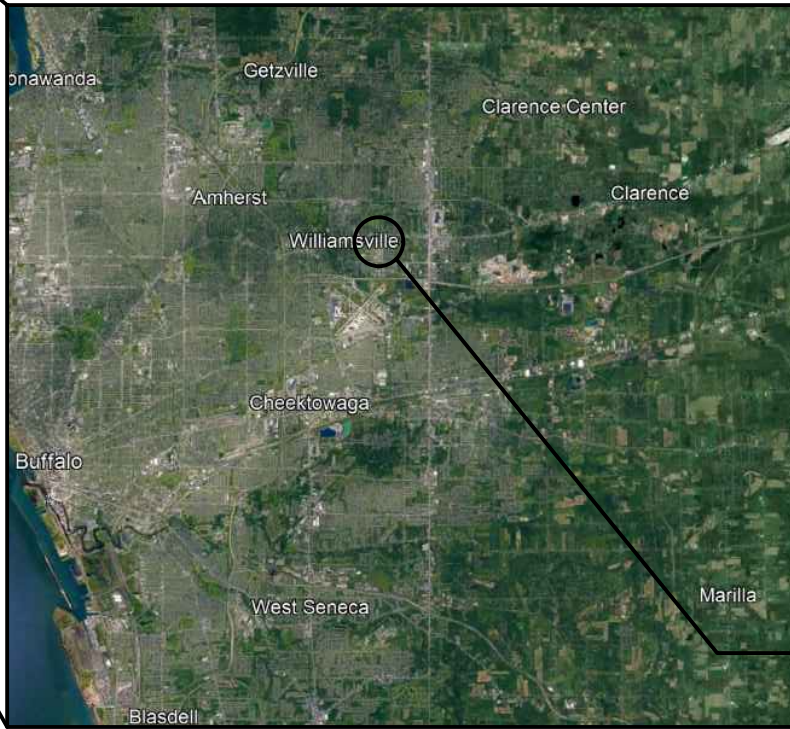


Centerpointe Corporate Park
375 Essjay Road, Suite 200
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Wendel Project No. 279806



SITE



PROJECT LOCATION

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SUNY ERIE
SPORTS PLAYING
FIELD PROJECT
PHASE 1

ISSUED FOR BID



GENERAL NOTES

1. SURVEY SUPPLIED BY KHEOPS, 300 PEARL STREET, BUFFALO, NY 14202.
2. CONTRACTOR TO LOCATE AND/OR VERIFY LOCATION OF UTILITIES IN THE FIELD BEFORE BEGINNING WORK. PRIOR TO REMOVAL AND EXCAVATION WORK, CONTRACTOR TO NOTIFY OWNER AND UTILITY COMPANIES REGARDING DISCONNECT OF SERVICES AND MARKING EXACT LOCATION OF BURIED UTILITIES. COORDINATE SHUT-DOWNS WITH OWNER SO AS NOT TO INTERFERE WITH DISTRICT OPERATIONS. COST OF OFF HOURS, SHIFT DIFFERENTIAL OR WEEKEND WORK ARE TO BE INCLUDED IN CONTRACTOR'S BID.
3. PRIOR TO START OF CONSTRUCTION, CONTRACTOR TO NOTIFY OWNER'S REPRESENTATIVE OF DISCREPANCIES FOUND BETWEEN INFORMATION SHOWN ON PLANS AND ACTUAL FIELD CONDITIONS.
4. ITEMS NOT NOTED TO BE REMOVED AND/OR DEMOLISHED ARE TO REMAIN AND TO BE PROTECTED AS NECESSARY. IN PARTICULAR, CONTRACTOR SHALL TAKE EXTRA MEASURES NOT TO INJURE EXISTING TREES.
5. ITEMS NOTED TO BE RELOCATED SHALL BE CAREFULLY REMOVED WITHOUT BEING DAMAGED; SALVAGE AND STOCKPILE ON-SITE OR PER DIRECTION OF OWNER'S REPRESENTATIVE.
6. DIMENSIONS ARE FROM FACE OF BUILDING, CURB OR EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
7. NEW PLANT MATERIAL SHALL CONFORM TO THE CURRENT ISSUE OF THE AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
8. ALL DAMAGED AND/OR DISTURBED AREAS REMAINING, AFTER CONSTRUCTION IS COMPLETED SHALL RECEIVE MIN. 4" TOPSOIL, BE FINE GRADED, FERTILIZED, SEEDED AND MULCHED. TOPSOIL TO BE FLUSH WITH PAVEMENT AND/OR TOP OF CURB AND SHALL BE "FEATHERED" INTO ADJACENT LAWN AREAS TO CREATE A SMOOTH TRANSITION BETWEEN NEWLY SEEDED AREAS AND EXISTING LAWN.
9. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AHEAD OF THE PIPE LAYING OPERATION, SO THAT, IF MINOR ADJUSTMENTS MUST BE MADE IN ELEVATION AND/OR ALIGNMENT DUE TO INTERFERENCE FROM THESE UTILITIES, SAID CHANGES CAN BE MADE IN ADVANCE OF THE WORK.
10. PIPE CROSSING UNDER PAVED AREAS ARE TO BE BACKFILLED TO SUBGRADE WITH COMPACTED, SELECT GRANULAR MATERIAL TO FIVE (5) FEET OUTSIDE THE PAVEMENT EDGE.
11. CONSTRUCTION STAGING AND STORAGE AREAS TO BE COORDINATED WITH OWNER'S REPRESENTATIVE AND CONTRACTOR.
12. CONTRACTOR SHALL VISIT SITE PRIOR TO BID TO CONFIRM THE EXISTING SITE CONDITIONS AND SCOPE OF WORK.
13. CONTRACTOR SHALL OBTAIN AND ASSOCIATED FEES FOR PERMITS REQUIRED FOR CONSTRUCTION.
14. AFTER REMOVAL OF FOOTERS, STRUCTURES, ETC., BACKFILL AS FOLLOWS:

a. IN LAWN AREAS: BACKFILL HOLE WITH ORDINARY FILL, COMPACT IN 8" LIFTS COMPACTED TO 90% OF MAXIMUM DRY DENSITY TO PROPOSED SUBGRADE. PLACE TOPSOIL, MIN. 4" DEPTH, FLUSH WITH EXISTING GRADE, FINE GRADE, FERTILIZE, SEED AND MULCH.

b. IN PAVEMENT AREAS: BACKFILL HOLE WITH CRUSHER-RUN STONE, COMPACT IN 8" LIFTS COMPACTED TO 95% OF MAXIMUM DRY DENSITY TO PROPOSED SUBGRADE.

LEGEND

	EXISTING	PROPOSED
CONCRETE REMOVAL		
ASPHALT PAVEMENT REMOVAL		
TOPSOIL STRIPPING		
STANDARD DUTY ASPHALT PAVEMENT		
HEAVY DUTY ASPHALT PAVEMENT		
CONCRETE PAVEMENT		
CONSTRUCTION JOINT		
CURB		
TEST BORING		
SIGN		
FLAGPOLE		
TREE TO BE REMOVED		
DECIDUOUS TREE		
EVERGREEN TREE		
CONTOUR (0.5' INTERVAL)		
SPOT ELEVATION		
SITE PREPARATION NOTE		
SITE IMPROVEMENT NOTE		
UTILITY NOTE		
GRADING/DRAINAGE NOTE		
STORM LINE		
CATCH BASIN/DRAIN INLET		
MANHOLE		
LAWN DRAIN		
CLEANOUT		
GATE VALVE		
HYDRANT		
UNDERGROUND ELEC./TEL.		
UNDERGROUND GAS		
UNDERGROUND SANITARY		
UNDERGROUND WATER		
LIGHT STANDARD		
UTILITY POLE		
TREE PROTECTION AREA		

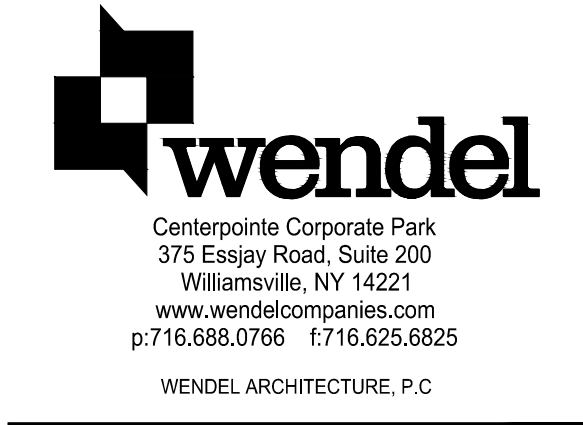


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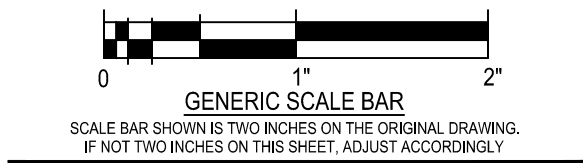


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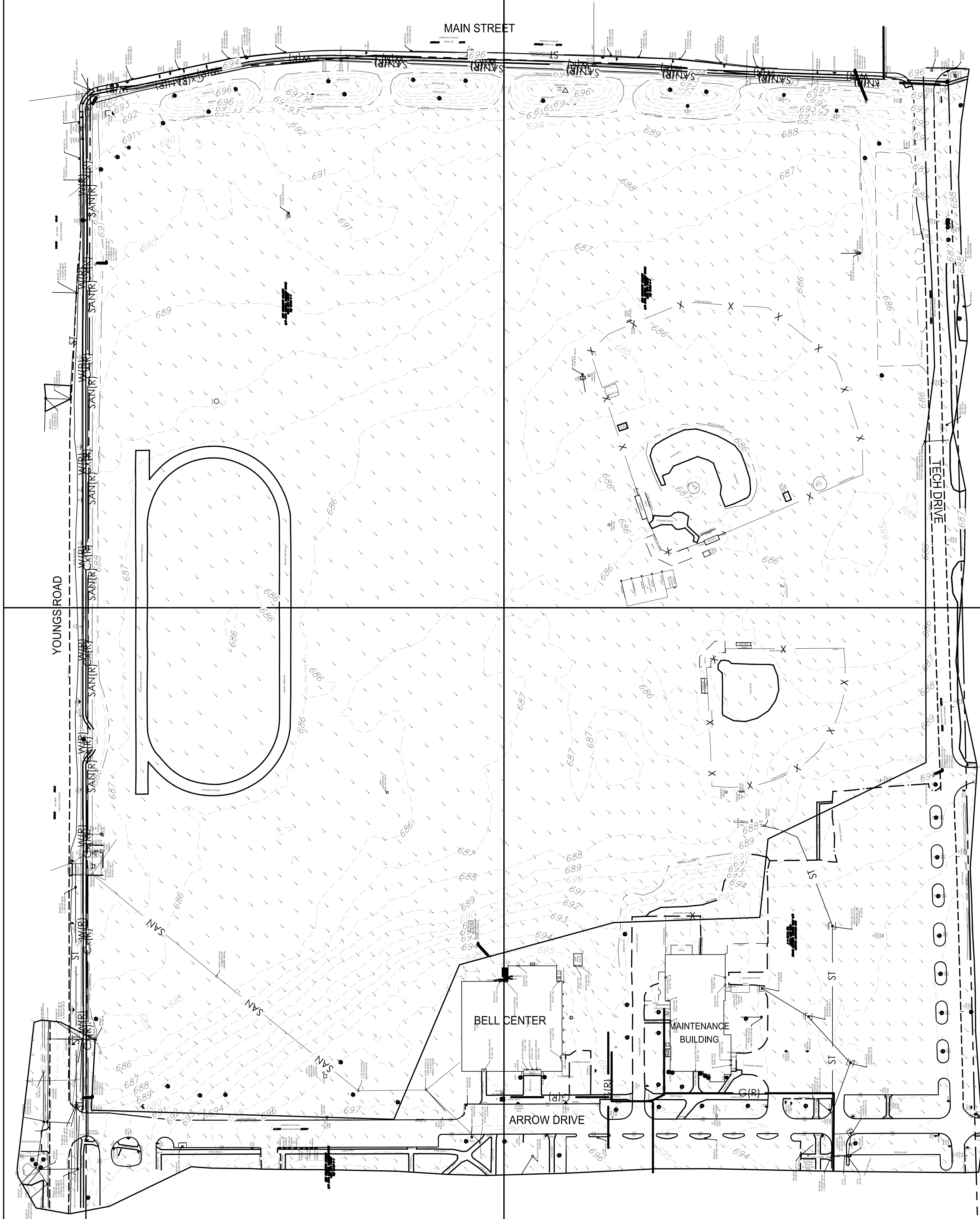
DWG. TITLE

GENERAL NOTES
& LEGEND



DATE	11/27/2024
SCALE	AS NOTED
DWN.	MJK
CHK.	DLK
PROJ. No.	279806
DWG. No.	

G001



1 EXISTING CONDITIONS PLAN
SCALE: 1"=100'

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EXISTING CONDITIONS PLAN



SCALE PER S-10/11/13 TWO INCHES ON THE HORIZONTAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY			
DATE	11/27/2024		
SCALE	AS NOTED		
DWN.	MJK	CHK.	DLK
PROJ. No.	279806		
DWG. No.			



1. CONDUCT A PRE-CONSTRUCTION MEETING. INSTALL STABILIZED CONSTRUCTION ENTRANCES/EXIT(S) AND IDENTIFY LOCATION OF PROJECT SWPPP.
2. INSTALL PERIMETER CONTROLS (SILT FENCE / SILT SOCK IF REQUIRED) AND EXISTING INSURANCE PROTECTION ON THE SITE. CLEAR ONLY TO THOSE AREAS NECESSARY TO INSTALL PERIMETER CONTROLS.
3. STABILIZE ANY EXISTING DISTURBED AREAS WITHIN THE PROPERTY THAT ARE OUTSIDE THE LIMITS OF CONSTRUCTION DISTURBANCE.
4. ENGAGE A QUALIFIED PROFESSIONAL TO PERFORM AN INITIAL SITE INSPECTION AND ASSESSMENT. IMPLEMENT ANY ADDITIONAL CONTROLS RECOMMENDED IN SAID INSPECTION.
5. ENGAGE A QUALIFIED INSPECTOR TO CONDUCT CONSTRUCTION DURATION INSPECTIONS ACCORDING TO THE SWPPP.
6. CLEAR AND GRUB / PREPARE SITE WITHIN LIMITS OF CONSTRUCTION.
7. STRIP AND STOCKPILE TOPSOIL.
8. BEGIN ROUGH GRADING AND EXCAVATION ACTIVITIES.
9. INSTALL PAVEMENT SUBBASE MATERIAL.
10. INSTALL STORAGE SEWERS, STORMWATER MANAGEMENT PRACTICES, AND OTHER REQUIRED UTILITIES.
11. INSTALL AND MAINTAIN ALL PRACTICES IN CONFORMANCE WITH THE PLANS, DETAILS, AND PROJECT SWPPP.
12. TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DENUDE AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
13. INSTALL ASPHALT AND CONCRETE PAVEMENTS IN PARKING AREAS, DRIVEWAYS AND WALKWAYS/PATHS.
14. PERMANENTLY STABILIZE AREAS AS THEY ARE BROUGHT TO FINAL GRADE.
15. COMPLETE FINAL GRADING AND INSTALL LANDSCAPE PLANTINGS.
16. RESTORE SOIL IN ACCORDANCE WITH SECTION 5.1.6 OF THE STORMWATER MANAGEMENT DESIGN MANUAL. FULL SOIL RESTORATION IS REQUIRED IN AREAS OF CUT OR FILL AND IN AREAS THAT HAVE BEEN DAMAGED BY CONSTRUCTION EQUIPMENT.
17. OBTAIN CONCURRENCE WITH THE CONSTRUCTION MANAGER (CM) THAT THE SITE HAS BEEN FULLY STABILIZED THEN:
 - a. REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
 - b. STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF BMP'S
18. ASK THE CM TO CONTACT THE QUALIFIED INSPECTOR TO COMPLETE FINAL SITE INSPECTION AND REPORT ACCORDING TO THE SWPPP. VERIFY THAT CONSTRUCTION IS COMPLETE AND THAT THE SITE HAS ACHIEVED FINAL STABILIZATION. COMPLETE THE NOTICE OF TERMINATION (NOT) AND SUBMIT TO NYSDEC DIVISION OF WATER TO CLOSE THE PERMIT

1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP'S) THROUGHOUT ALL PHASES OF CONSTRUCTION AS REQUIRED BY THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). ADDITIONAL BMP'S NOT SHOWN ON THIS PLAN SHALL BE IMPLEMENTED AS REQUIRED BY SITE CONDITIONS AND AS DIRECTED BY THE QUALIFIED INSPECTOR AS A RESULT OF WEEKLY OR BIWEEKLY CONSTRUCTION DURATION INSPECTIONS.
2. BMP'S AND OTHER REQUIRED CONTROLS SHALL CONFORM TO FEDERAL, STATE OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
3. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
4. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
5. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
6. RUBBISH, TRASH, GARBAGE, LITTER OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES, UNDERGROUND CONVEYANCE SYSTEMS OR WATERS OF THE STATE.
7. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THESE PLANS SHALL BE INITIATED AS SOON AS PRACTICABLE.
8. ALL DENuded AREAS THAT WILL BE INACTIVE FOR 14-DAYS OR MORE MUST BE TEMPORARILY STABILIZED WITH THE USE OF FAST-GERMINATING ANNUAL GRASS-GRAIN VARIETIES, STRAW-HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS.
9. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEEDED, SOODED AND/OR VEGETATED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING AND DRAINAGE PLAN.
10. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. ONLY USE INGRESS/EGRESS LOCATIONS AS PROVIDED.
11. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
12. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING ACCUMULATED SEDIMENT IN ROADSIDE DRAINAGE SYSTEMS AS WELL AS ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE ONSITE STORM SEWER DRAINAGE SYSTEM IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
13. ON-SITE SOIL STOCKPILES AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES.
14. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
15. THE GENERAL CONTRACTOR IS TO DESIGNATE/IDENTIFY AREAS ON THE PLANS (IF DIFFERENT FROM THOSE CURRENTLY SHOWN) FOR WASTE DISPOSAL, DELIVERY AND MATERIAL STORAGE.
16. AREAS TO BE FILLED SHALL BE CLEARED AND STRIPPED OF TOPSOIL PRIOR TO PLACEMENT OF FILL.
17. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS.
18. INLET PROTECTION SHALL BE PLACED AT ALL DESIGNATED STORM INLETS FOR DURATION OF CONSTRUCTION OR UNTIL CONTRIBUTING DRAINAGE AREAS HAVE BEEN PERMANENTLY STABILIZED. THE PLACEMENT OF FILTER FABRIC BETWEEN THE FRAME AND GRATE OF A DRAINAGE INLET WILL NOT BE ALLOWED AS INLET PROTECTION.
19. ALL WATER PUMPED FROM EXCAVATIONS (DEWATERING) MUST PASS THROUGH A SEDIMENT TRAPPING DEVICE BEFORE BEING DISCHARGED FROM THE SITE. THESE DEVICES INCLUDE, BUT ARE NOT LIMITED TO, SEDIMENT BAGS, PORTABLE SEDIMENT TANKS AND SEDIMENT TRAPS.
20. THE CONTRACTOR IS RESPONSIBLE FOR THE COSTS AND LABOR ASSOCIATED WITH THE INSTALLATION, CONTINUED MAINTENANCE, REPLACEMENT (IF REQUIRED BY THE QUALIFIED INSPECTOR), AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL PRACTICES.

ALL BEST MANAGEMENT PRACTICES (INCLUDING EROSION AND SEDIMENT CONTROLS) SHOWN ON THIS PLAN, AND AS DESCRIBED IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR UNTIL FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED INSPECTOR IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, DETERIORATION, OR OVER LOADING.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY SO THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
3. SILT FENCE/SILT SOCK SHALL BE REPAIRED TO ITS ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCE/SILT SOCK REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE/SILT SOCK (OR LESS IF IT INTERFERES WITH THE FUNCTIONALITY OF THE PRACTICE).
4. THE CONSTRUCTION ENTRANCES/EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
5. PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND/OR SEDIMENT REACHING PUBLIC STREETS SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.

1. ALL SOIL EROSION & SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED IN CONFORMANCE WITH THE PROJECT DETAILS & SPECIFICATIONS CONTAINED WITHIN THE LATEST REVISION OF THE PROJECT EROSION & SEDIMENT PREVENTION PLAN (SWPP). CONTRACTOR TO UTILIZE THE FOLLOWING EROSION CONTROL MEASURES AS NECESSARY AND AS DIRECTED BY A QUALIFIED INSPECTOR (OR QUALIFIED PROFESSIONAL) TO MINIMIZE SOIL EROSION AND SEDIMENT REMOVAL: INLET PROTECTION (EXCAVATED INLET PROTECTION AND FILTER FABRIC INLET PROTECTION), SILT FENCE OR SILT SODS, CHECK DAMS, CONSTRUCTION FENCE, CHECK DAMS, SEDIMENT TRAPS, AND DUST CONTROL (WATERING).
2. IMMEDIATELY DENOTE THE LOCATIONS OF THE FOLLOWING ITEMS ON THE SITE PLANS AFTER THEY ARE IMPLEMENTED AND INSTALLED AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR
A. ALL EXISTING AND PROPOSED DRIVEWAYS, DRIVEWAYS, DRIVE DOWNS, AREAS, PORTA-POTTIES, WHEEL WASHES, CONCRETE WASHOUTS, MASON'S AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC.

1. THE SITE IS TRIBUTARY TO BULL CREEK WHICH IS NOT A 303(d) LISTED SEGMENT IN APPENDIX E OF THE GENERAL PERMIT.
2. AS REQUIRED BY THE GENERAL PERMIT, THE QUALIFIED INSPECTOR SHALL CONDUCT AT ONE (1) SITE INSPECTION EVERY SEVEN (7) CALENDAR DAYS DURING THE COURSE OF CONSTRUCTION UNTIL FINAL STABILIZATION HAS BEEN ACHIEVED.
3. IF MORE THAN 5-ACRES OF LAND IS DISTURBED AT ANY ONE TIME, THE QUALIFIED INSPECTOR SHALL CONDUCT AT LEAST TWO (2) SITE INSPECTIONS EVERY SEVEN (7) CALENDAR DAYS DURING THE COURSE OF CONSTRUCTION UNTIL FINAL STABILIZATION HAS BEEN ACHIEVED. THE TWO (2) INSPECTIONS SHALL BE SEPARATED BY A MINIMUM OF TWO (2) FULL CALENDAR DAYS.

IF SEASON IS SPRING, SUMMER, OR EARLY FALL; SEED WITH RYEGRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE (APPROX. 1 LB. PER 1,000 SQUARE FEET).

IF SEASON IS LATE FALL OR EARLY WINTER; SEED WITH CERTIFIED 'AROSTOOK' WINTER RYE (CEREAL RYE) AT 100 LBS. PER ACRE (APPROX. 2.5 LBS. PER 1,000 SQUARE FEET).

(L_{OD}) = TOTAL LIMITS OF DISTURBANCE = 6.26 ACRES ±
 (CFS) = COMPOST FILTER SOCK; RE: 5, L504.
 (CE) = TEMPORARY STABILIZED CONSTRUCTION ENTRANCE; RE: 4, L504.
 (CW) = CONCRETE WASHOUT; RE: 6, L504.

REFER TO SHEET G001 FOR GENERAL NOTES AND LEGEND

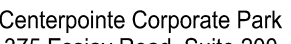
1. EXISTING GRASS AREAS TO BE REMOVED IN PREPARATION FOR NEW PAVING AND TURF SURFACING; TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REUSE; COORDINATE STAGING AND STOCKPILE AREAS WITH OWNER. LIMITS AND LOCATIONS DEPICTED ARE APPROXIMATE.

2. DEMO STEPS, RAILINGS, AND LANDINGS IN THEIR ENTIRETY.

3. REMOVE AND DISCARD ACCESSIBLE PARKING SIGN IN THEIR ENTIRETY.



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DWG. TITLE

OVERALL SITE PREPARATION PLAN



SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING.
IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE 11/27/2024

SCALE AS NOTED

DVN. MJK CHK. DLK

PROJ. No. 279806

DWG. No

L101



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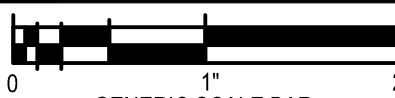
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OVERALL SITE
IMPROVEMENT PLAN



GENERIC SCALE BAR
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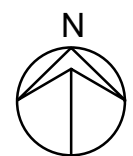
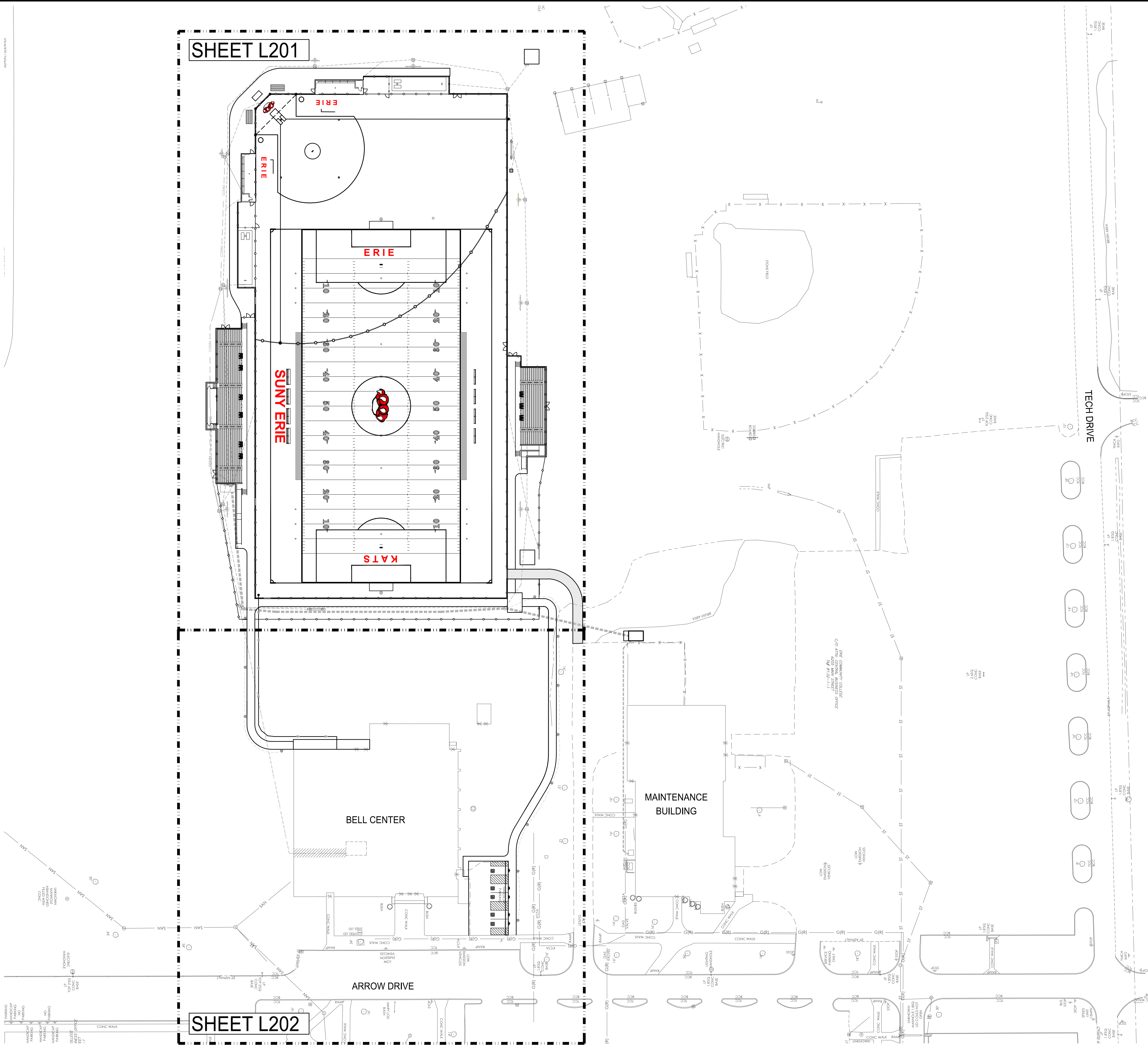
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DWG. No.

L200



OVERALL SITE IMPROVEMENT PLAN

SCALE: 1"=50'

1 SITE ENLARGEMENT PLAN

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SITE ENLARGEMENT PLAN



GENERIC SCALE BAR
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SCALE	AS NOTED
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DWN. MJK CHK. DL

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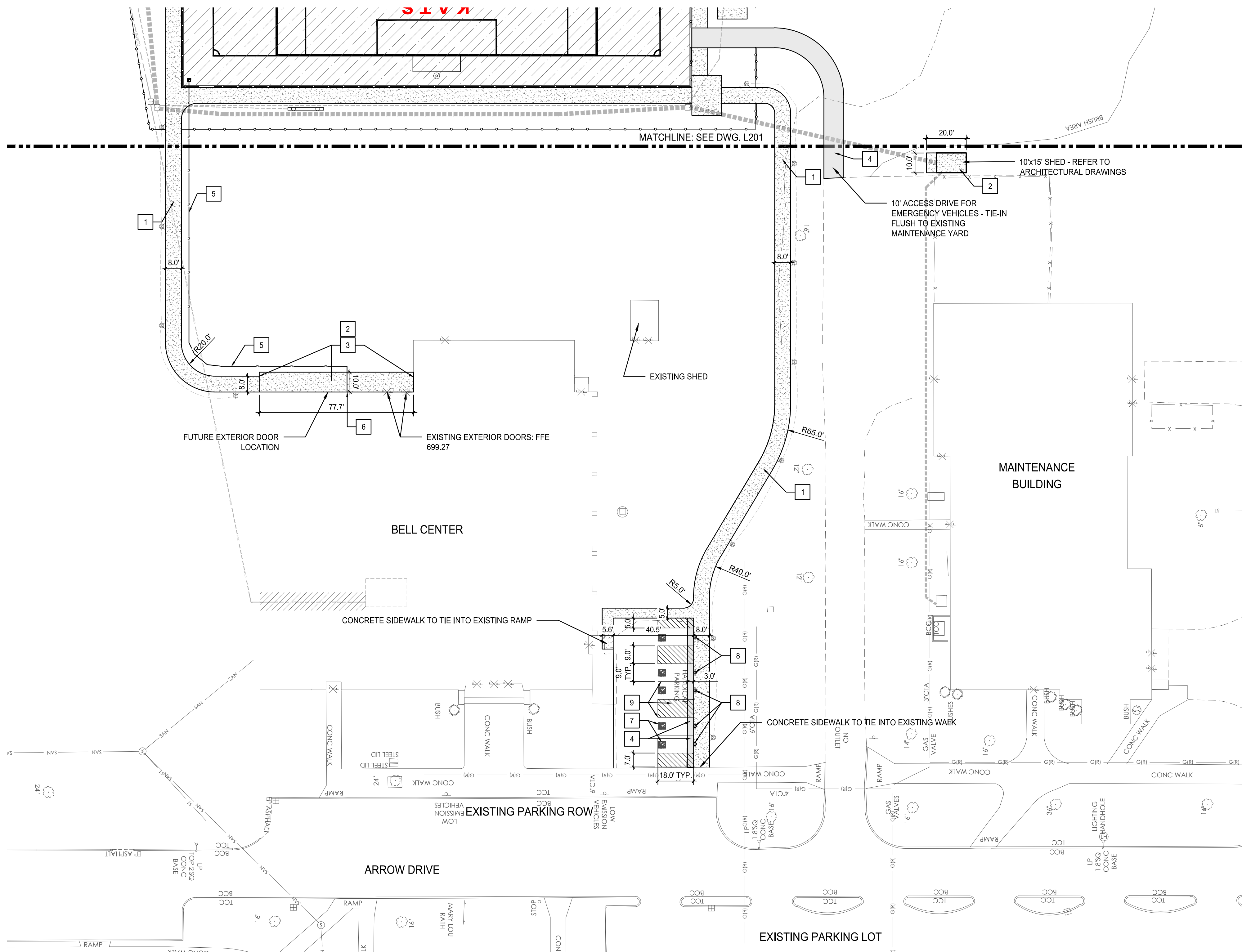


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WENDEL ARCHITECTURE, P.C

SITE IMPROVEMENT NOTES

1. CONCRETE SIDEWALK; RE: 1, L501
2. CONCRETE PAVEMENT; RE: 2, L501.
3. 8' WIDE ALUMINUM LANDING AND RAMP STRUCTURE AS DESIGNED AND MANUFACTURED BY E&D SPECIALTY STANDS OR ACCEPTABLE EQUIVALENT.
4. ASPHALT PAVEMENT; RE: 3, L501.
5. 3/4" WATER LINE; RE: 1, 3 L504.
6. 3/4" WATER SERVICE FROM EXISTING HOSE BIB ON WALL TO NEW GROUND HYDRANT; RE: 7 L504.
7. ACCESSIBLE PARKING SYMBOL; RE: 6, L501.
8. ACCESSIBLE PARKING SIGN; RE: 7, L501.
9. 4" WIDE PAVEMENT STRIPE, COLOR BLUE.



1 SITE ENLARGEMENT PLAN
SCALE: 1"=30'

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NO.	REVISIONS	DATE
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DWG. TITLE

SITE ENLARGEMENT PLAN



SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	11/27/2024
SCALE	AS NOTED
DWN.	MJK
CHK.	DLK
PROJ. No.	279806
DWG. No.	



SUNY ERIE

6205 MAIN STREET
WILLIAMSVILLE, NY 14221

SPORTS PLAYING
FIELD PROJECT
PHASE 1

ISSUED FOR BID



Centerpointe Corporate Park
375 Essay Road, Suite 200
Williamsville, NY 14221
www.wendelcompanies.com
p:716.688.0766 f:716.625.6825

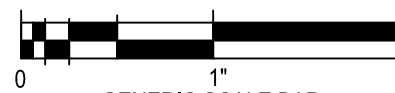
WENDEL ARCHITECTURE, P.C.

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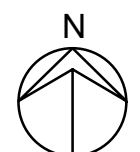
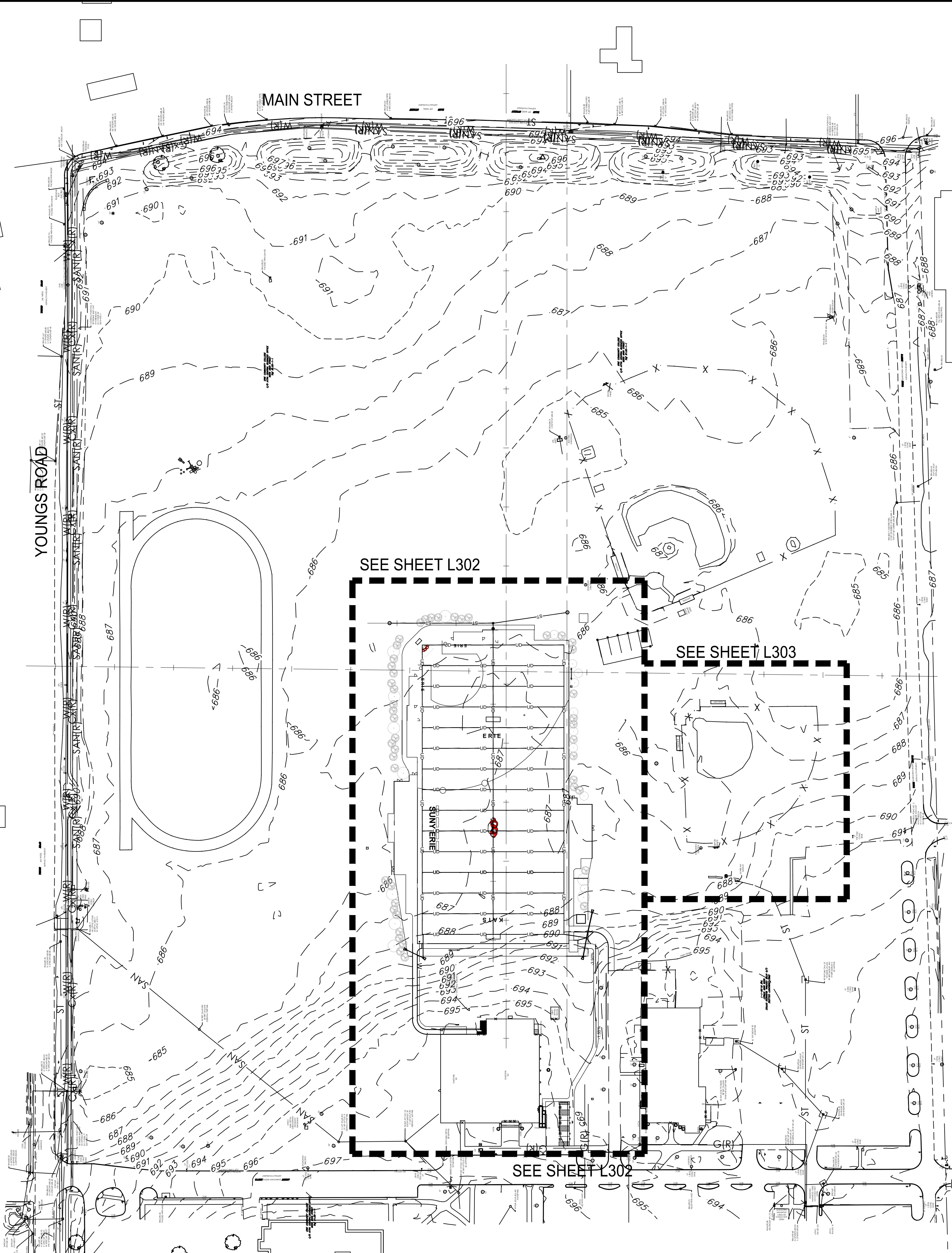
OVERALL SITE PLAN



GENERIC SCALE BAR
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PROJ. No.	279806		
DWG. No.			

L301



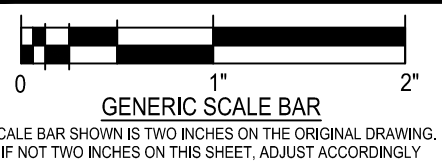
OVERALL SITE PLAN
SCALE: 1"=100'

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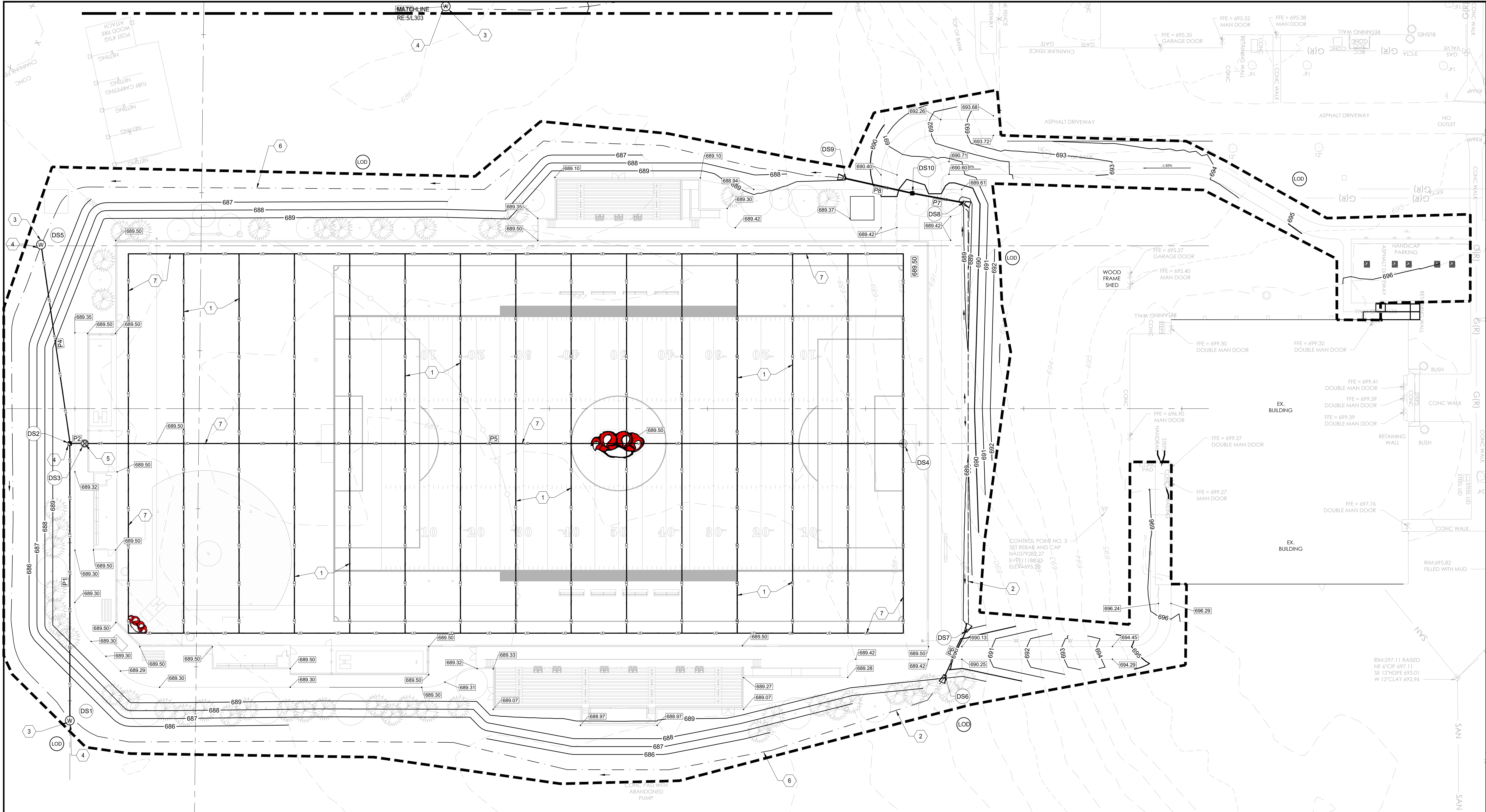
DWG. TITLE

SITE GRADING
&
DRAINAGE PLAN



DATE	11/27/2024
SCALE	AS NOTED
DWN.	CC1
CHK.	TJZ
PROJ. No.	279806
DWG. No.	

L302



1 SITE GRADING & DRAINAGE PLAN

SCALE: 1"=30'

GRADING AND DRAINAGE GENERAL NOTES:

- ALL STORM SEWER PIPE TO BE H.D.P.E. UNLESS OTHERWISE NOTED.
- ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION.
- ALL EROSION AND SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED. REFER TO THE EROSION AND SEDIMENT CONTROL PLAN FOR EROSION AND SEDIMENT CONTROL INFORMATION. ALL NOTES AND REQUIREMENTS OF DRAWINGS L100s ARE APPLICABLE TO THIS DRAWING.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED BY SPECIFICATIONS TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH PLANS, SPECIFICATIONS, LOCAL REQUIREMENTS OR CODES. IN THE CASE OF DISCREPANCY, THE MOST STRINGENT SHALL APPLY.
- FILL MATERIAL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS. SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED IN FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- CONTRACTOR SHALL PLACE AND COMPACT MATERIAL OVER INSTALLED STORM SEWER NECESSARY TO MAINTAIN A MINIMUM OF 1.5 FEET OF COVER (OR MINIMUM ALLOWED BY PIPE MANUFACTURER). MINIMUM COVER MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
- REFER TO SHEET NO. L200'S FOR COORDINATION OF NEW UNDERGROUND UTILITIES.
- GRADES SHOWN ARE APPROXIMATE FINISHED GRADE.
- REFER TO L500'S FOR DRAINAGE DETAILS.
- REFER TO L303 FOR DRAINAGE TABLES AND PROFILES.
- PRIOR TO PLACEMENT OF TOPSOIL AND PERMANENT STABILIZATION, ALL DISTURBED AREAS SHALL BE RESTORED IN ACCORDANCE WITH THE SOIL RESTORATION REQUIREMENTS IN TABLE 5.3 OF THE STORMWATER MANAGEMENT DESIGN MANUAL.

SYMBOL LEGEND

NOTE: REFER TO DRAWING L100 FOR EROSION AND SEDIMENT CONTROL NOTES AND OTHER INFORMATION. THIS LEGEND IS TO REPRESENT ADDITIONAL EROSION AND SEDIMENT CONTROLS REQUIRED AS A RESULT OF CONSTRUCTION.

- LOD = LIMITS OF DISTURBANCE
- CFS = COMPOST FILTER SOCK; RE: 1, L501. SILT FENCE (RE: 6, L501) MAY BE USED INSTEAD OF FILTER SOCK IN NON-PAVED AREAS.
- FFIP = TEMPORARY FILTER FABRIC INLET PROTECTION; RE: 5, L501. COMPOST FILTER SOCK (RE: 1, L501) MAY BE USED INSTEAD OF FILTER FABRIC INLET PROTECTION IN NON-PAVED AREAS.
- IP = TEMPORARY DROP INLET PROTECTION; RE: 2, L501. COMPOST FILTER SOCK (RE: 1, L501) MAY BE USED ONLY IN PAVED AREAS NOT OPEN TO VEHICULAR TRAFFIC.

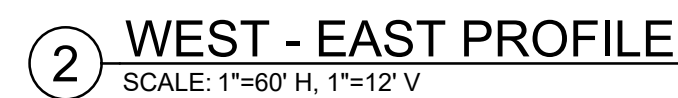
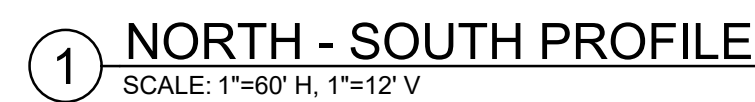
1 SITE GRADING AND DRAINAGE NOTES:

- 4"Ø PERFORATED HDPE UNDERDRAIN PIPE WITH FITTINGS.
- FLARED END SECTION.
- STORM CLASS V INJECTION WELL BY OTHERS, CONTRACTOR RESPONSIBLE FOR PROVIDING CATCH BASIN & FRAME AND GRATE, CONNECTIONS, ELBOW AND SCREEN AS SHOWN ON DETAIL; RE: 6, L505.
- CATCH BASIN; RE: 1, L505.
- STORMWATER HYDRODYNAMIC UNIT; MODEL FIRST DEFENSE FD-4HC; RE: 1, L506.
- V-SHAPED GRASSSED SWALE.
- 6"Ø PERFORATED HDPE UNDERDRAIN PIPE WITH FITTINGS.
- DRAIN BASIN; RE: 6, L505.

LEGEND & ABBREVIATIONS:

- 123.45 PROPOSED ELEVATION
- 123.45 EXISTING ELEVATION
- TYP TYPICAL
- FE FINISH FLOOR ELEVATION
- HP HIGH POINT
- ME MATCH EXISTING
- 123 PROPOSED MAJOR CONTOUR ELEVATION
- 123 PROPOSED MINOR CONTOUR ELEVATION
- 123 EXISTING CONTOUR ELEVATION
- PROPOSED GRADE BREAK
- PROPOSED SWALE
- ST PROPOSED STORM SEWER
- UD PROPOSED UNDERDRAIN
- PROPOSED STORM CATCH BASIN
- PROPOSED STORM MANHOLE
- PROPOSED STORMWATER PRETREATMENT UNIT
- EXISTING STORM INJECTION WELL CLASS V





I.D.	DESCRIPTION	RIM	PIPES IN	PIPES OUT
DS1	CATCH BASIN/WELL	685.11	P1, INV IN. = 681.23 E (6")	
DS2	CATCH BASIN	689.28	P2, INV IN. = 686.37 S (6")	P1, INV OUT = 684.74 W (6") P4, INV OUT = 684.11 E (6")
DS3	HYDRODYNAMIC UNIT	689.46	P5, INV IN. = 687.50 S (6")	P2, INV OUT = 686.46 N (6")
DS4	FITTING			P5, INV OUT = 687.50 N (6")
DS5	CATCH BASIN/WELL	685.54	P4, INV IN. = 681.57 W (6")	
DS6	END SECTION		P6, INV IN. = 688.15 SE (8")	
DS7	END SECTION			P6, INV OUT = 688.33 NW (8")
DS8	END SECTION			P7, INV OUT = 688.55 N (6")
DS9	END SECTION		P8, INV IN. = 688.22 S (6")	
DS10	CATCH BASIN	689.06	P7, INV IN. = 688.39 S (6")	P8, INV OUT = 688.39 N (6")

1. 4"Ø PERFORATED HDPE UNDERDRAIN PIPE WITH FITTINGS.
2. FLARED END SECTION.
3. STORM CLASS V INJECTION WELL BY OTHERS, CONTRACTOR RESPONSIBLE FOR PROVIDING CATCH BASIN & FRAME AND GRATE, CONNECTIONS, ELBOW AND SCREEN AS SHOWN ON DETAIL.; RE: 6, L505.
4. CATCH BASIN; RE: 1, L505.
5. STORMWATER HYDRODYNAMIC UNIT, MODEL FIRST DEFENSE FD-4HC; RE: 1, L506.
6. V - SHAPED GRASSSED SWALE.
7. 6"Ø PERFORATED HDPE UNDERDRAIN PIPE WITH FITTINGS.
8. DRAIN BASIN; RE: 6, L505.

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DWG. TITLE

PROFILES

PROFILES
&

DRAINAGE TABLES

Age Group	Total (%)	Male (%)	Female (%)	Unknown (%)
18-24	15	10	20	5
25-34	25	15	10	10
35-44	30	20	10	10
45-54	20	10	10	10
55-64	10	5	5	10
65+	5	5	5	10

0 1" 2"

GENERIC SCALE BAR

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DATE 11/27/2024

SCALE	AS NOTED
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DWN.
CC1
CHK.
TJZ

PROJ. No. 279806

Dwg. No. _____

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L303

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PROFILES & RAINAGE TABLES



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SCALE AS NOTED

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PROJ. No. 279806

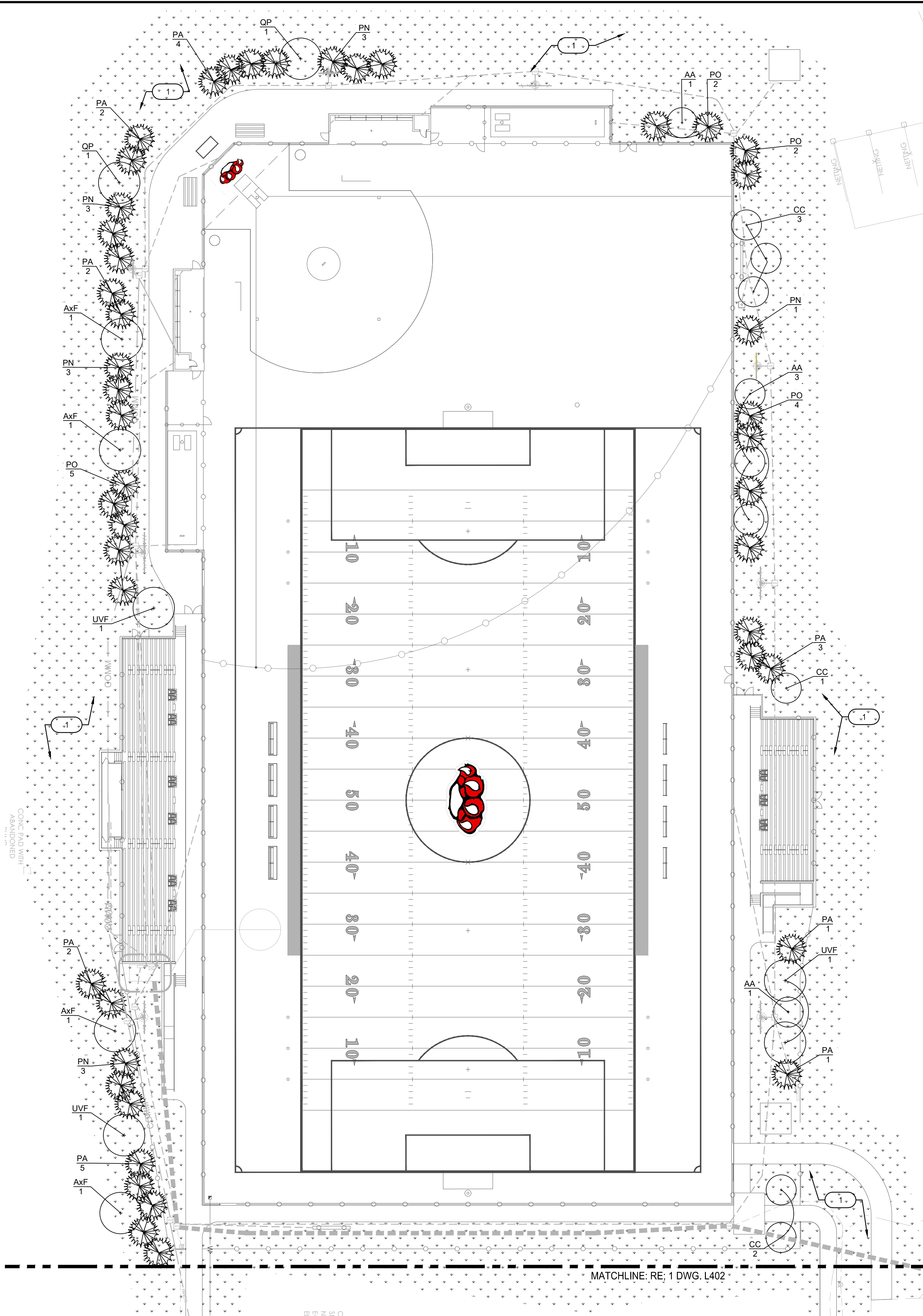
DWG. No. _____

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303

2000

L303



1 PLANTING ENLARGEMENT PLAN
SCALE: 1"=30'

PLANT SCHEDULE				
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE / COMMENTS
TREES - Large/Medium Deciduous				
AxF	4	Acer x Freemanii 'Jeffsred'	AUTUMN BLAZE MAPLE	2-1/2" CAL., B&B, 6' MIN. BRANCH HEIGHT
QP	2	Quercus palustris	PIN OAK	2-1/2" CAL., B&B, 6' MIN. BRANCH HEIGHT
UVF	3	Ulmus americana "Princeton"	PRINCETON ELM (or equal)	2-1/2" CAL., B&B, 6' MIN. BRANCH HEIGHT
TREES - Small Deciduous / Ornamental				
AA	5	Amelanchier arborea	SERVICEBERRY	2" CAL. (6' HT.), B&B or #10 CONT., CLUMP FORM, MIN. 3 STEMS
CC	6	Cercis canadensis	REDBUD	2-1/2" CAL.
TREES - Evergreen/Conifer				
PA	20	Picea abies	NORWAY SPRUCE	6' HT.
PN	13	Pinus nigra	AUSTRIAN PINE	6' HT.
PO	13	Picea omorika	SERBIAN SPRUCE	6' HT.

GENERAL LANDSCAPE NOTES

- CONTRACTOR TO LOCATE AND/OR VERIFY LOCATION OF UTILITIES IN THE FIELD BEFORE BEGINNING WORK.
- PRIOR TO START OF CONSTRUCTION, CONTRACTOR TO NOTIFY OWNER'S REPRESENTATIVE OF DISCREPANCIES FOUND BETWEEN INFORMATION SHOWN ON PLANS AND ACTUAL FIELD CONDITIONS.
- ALL DAMAGED AND/OR DISTURBED AREAS REMAINING, AFTER CONSTRUCTION IS COMPLETED SHALL RECEIVE MIN. 4" TOPSOIL, BE FINE GRADED, FERTILIZED, SEEDED AND MULCHED. TOPSOIL TO BE FLUSH WITH PAVEMENT AND/OR TOP OF CURB AND SHALL BE "FEATHERED" INTO ADJACENT LAWN AREAS TO CREATE A SMOOTH TRANSITION BETWEEN NEWLY SEEDED AREAS AND EXISTING LAWN.

SITE PLANTING NOTES

- TYPE 1 GENERAL LAWN SEED (PER SPECIFICATIONS). ALL DAMAGED AND/OR DISTURBED AREAS REMAINING, AFTER CONSTRUCTION IS COMPLETED SHALL RECEIVE MIN. 4" TOPSOIL, BE FINE GRADED, FERTILIZED, SEEDED AND MULCHED. TOPSOIL TO BE FLUSH WITH PAVEMENT AND/OR TOP OF CURB AND SHALL BE "FEATHERED" INTO ADJACENT LAWN AREAS TO CREATE A SMOOTH TRANSITION BETWEEN NEWLY SEEDED AREAS AND EXISTING LAWN.

BERM/DRAINAGE IMPROVEMENTS - SEE DWG. L303

SUNY ERIE

6205 MAIN STREET
WILLIAMSVILLE, NY 14221

SPORTS PLAYING
FIELD PROJECT
PHASE 1

ISSUED FOR BID

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375 Essay Road, Suite 200
Williamsville, NY 14221
www.wendelcompanies.com
p:716.688.0766 f:716.625.6825

WENDEL ARCHITECTURE, P.C

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11
DWG. TITLE
PLANTING
ENLARGEMENT PLAN

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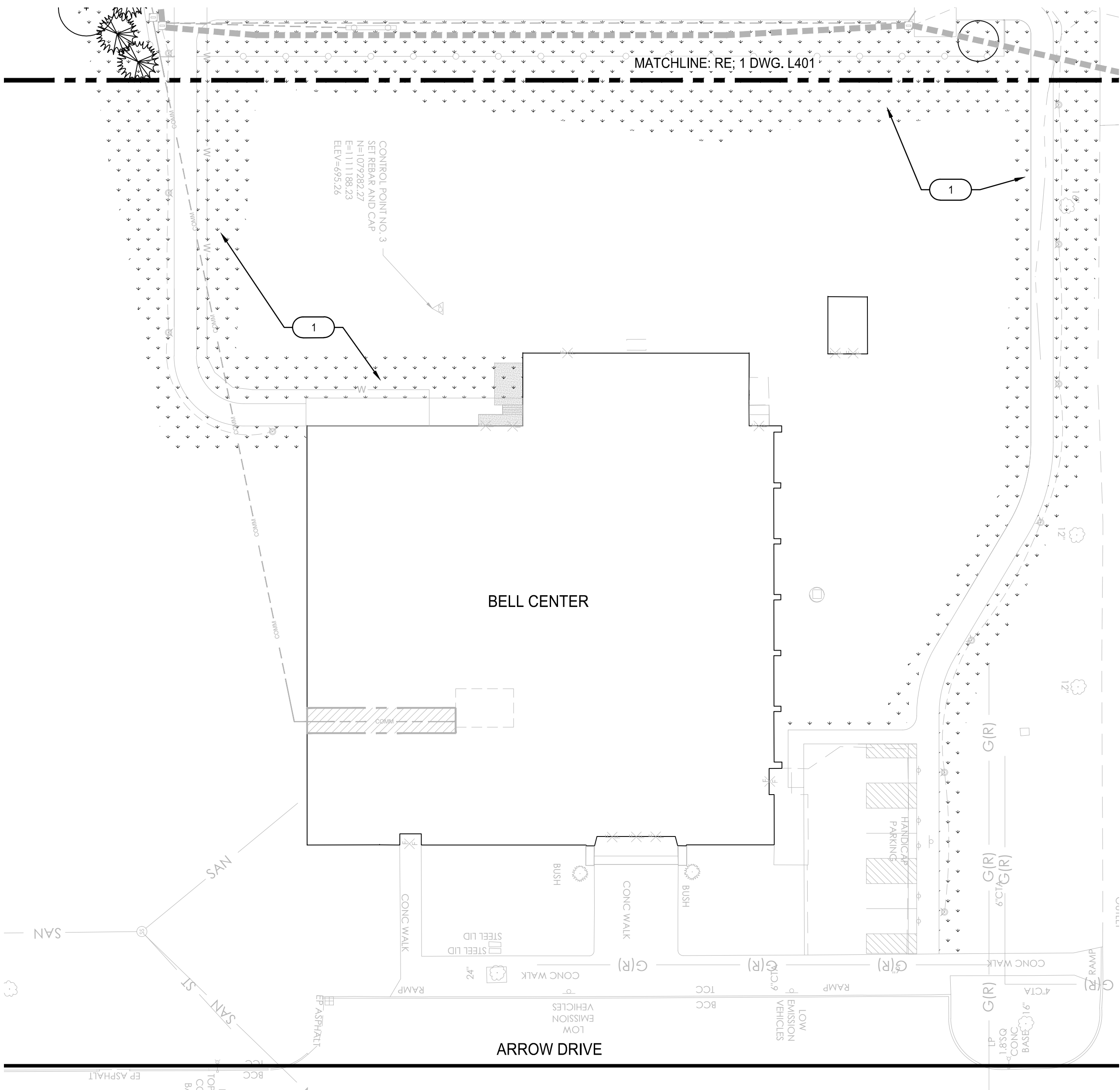
L401

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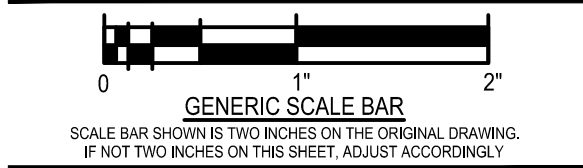


1 PLANTING ENLARGEMENT PLAN
SCALE: 1"=30'

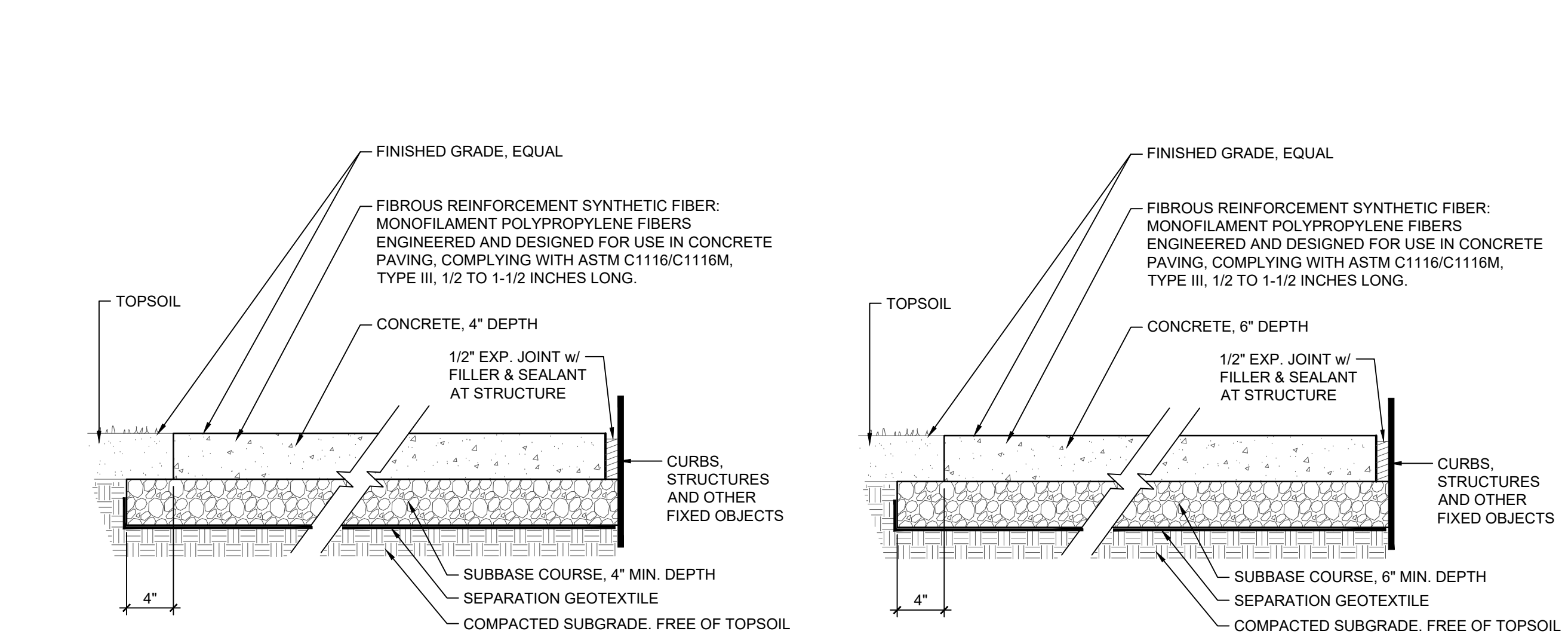
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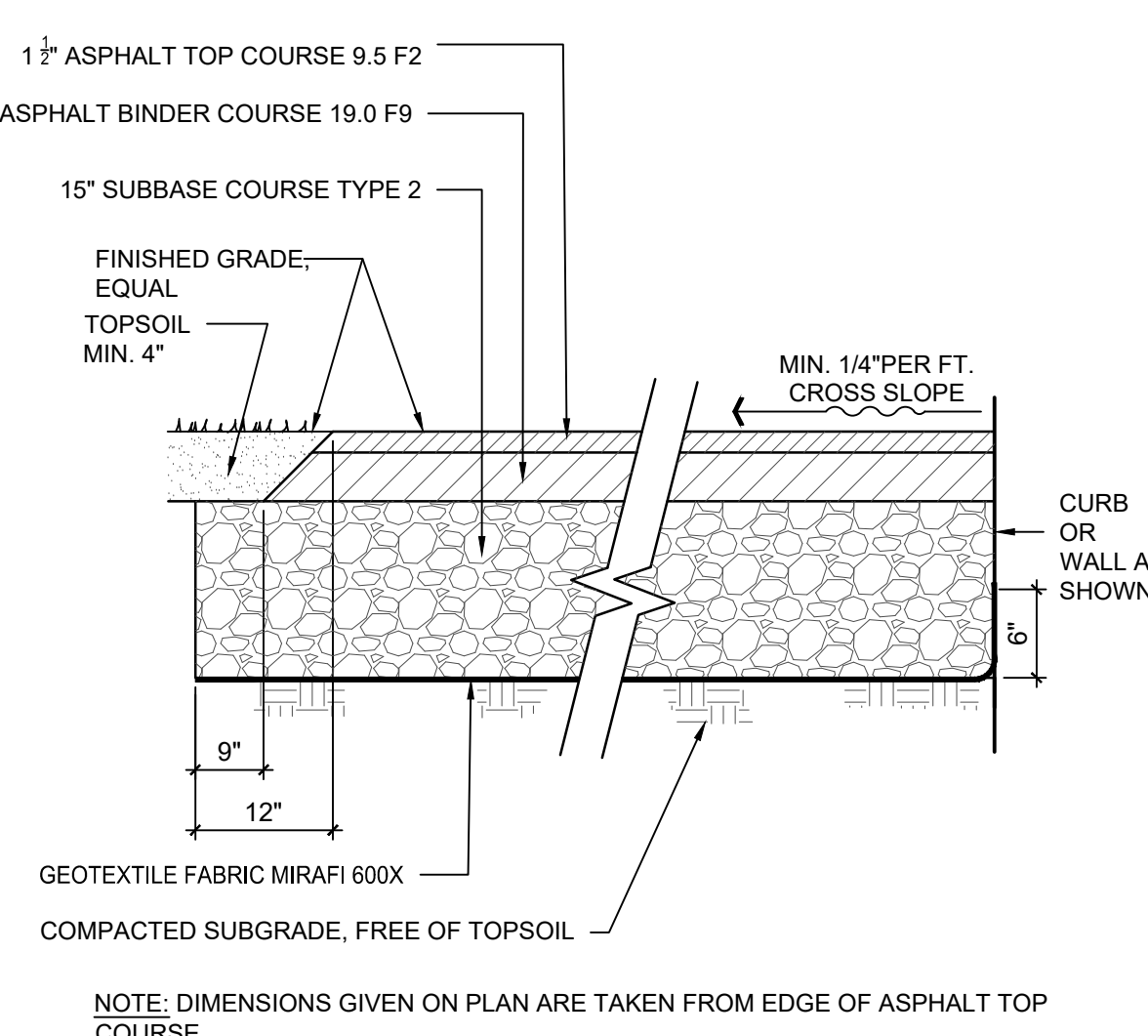
PLANTING
ENLARGEMENT PLAN



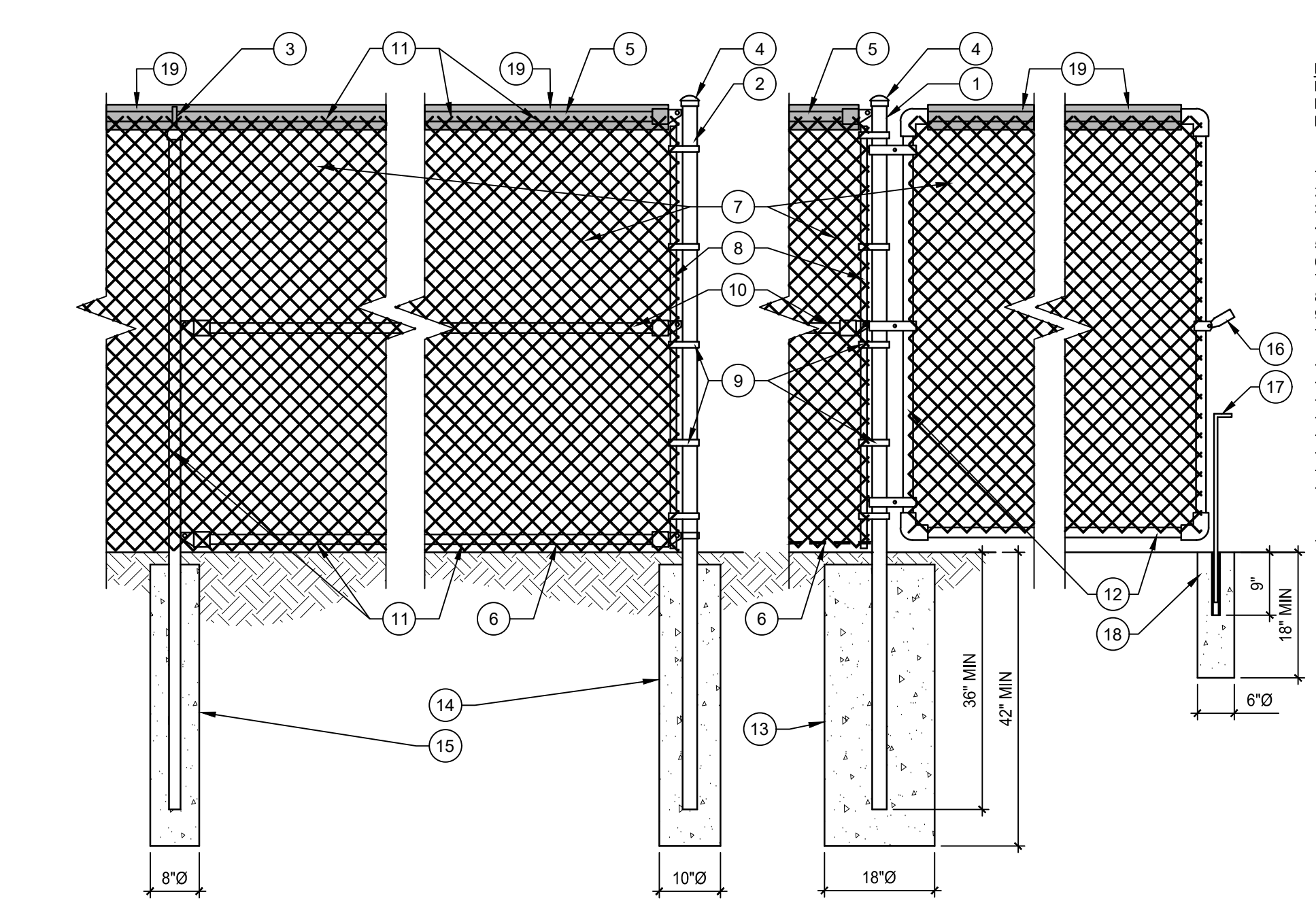
DATE	11/27/2024
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DWN.	MJK
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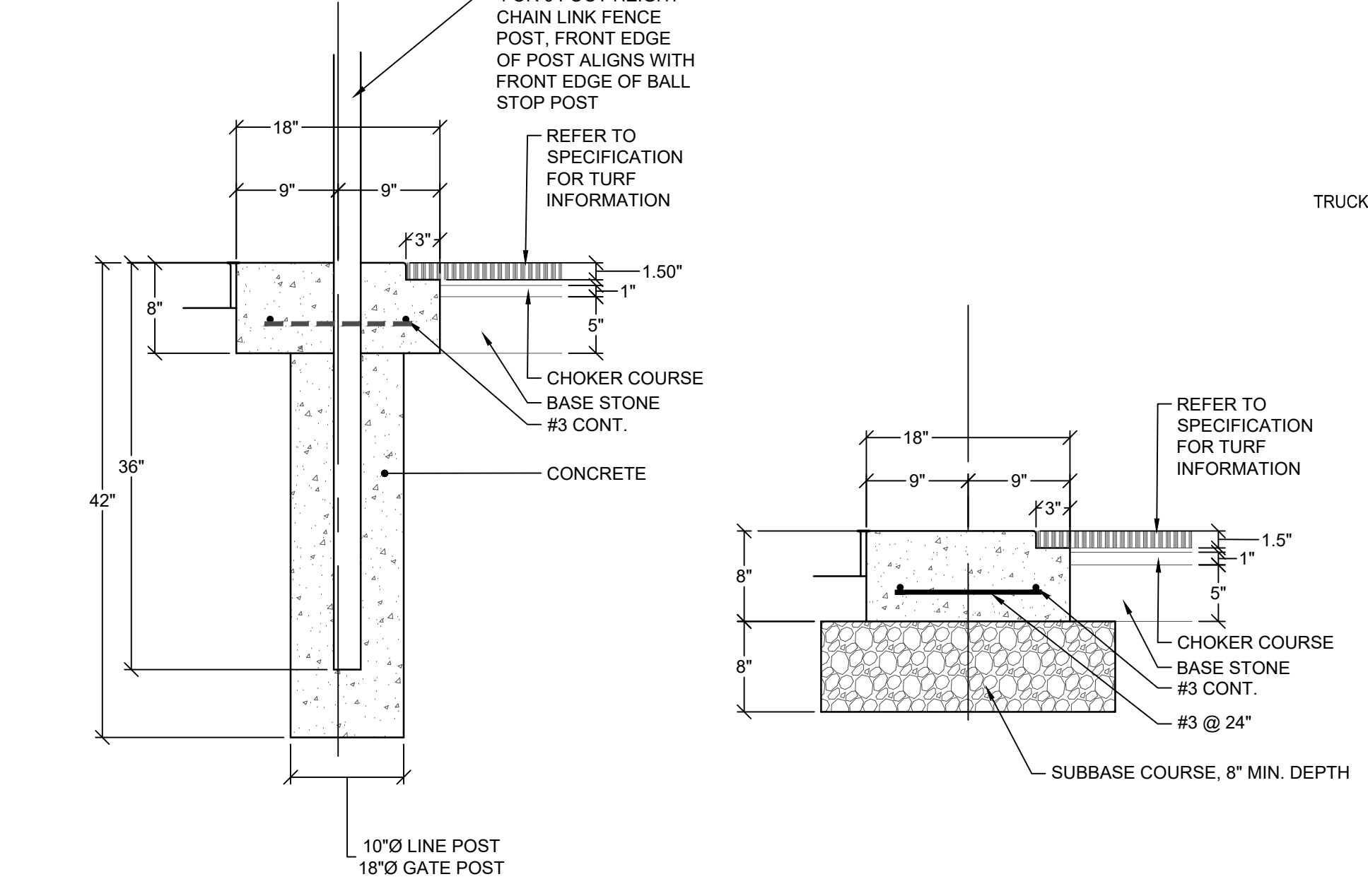
1 CONCRETE SIDEWALK NTS
2 CONCRETE PAVEMENT NTS



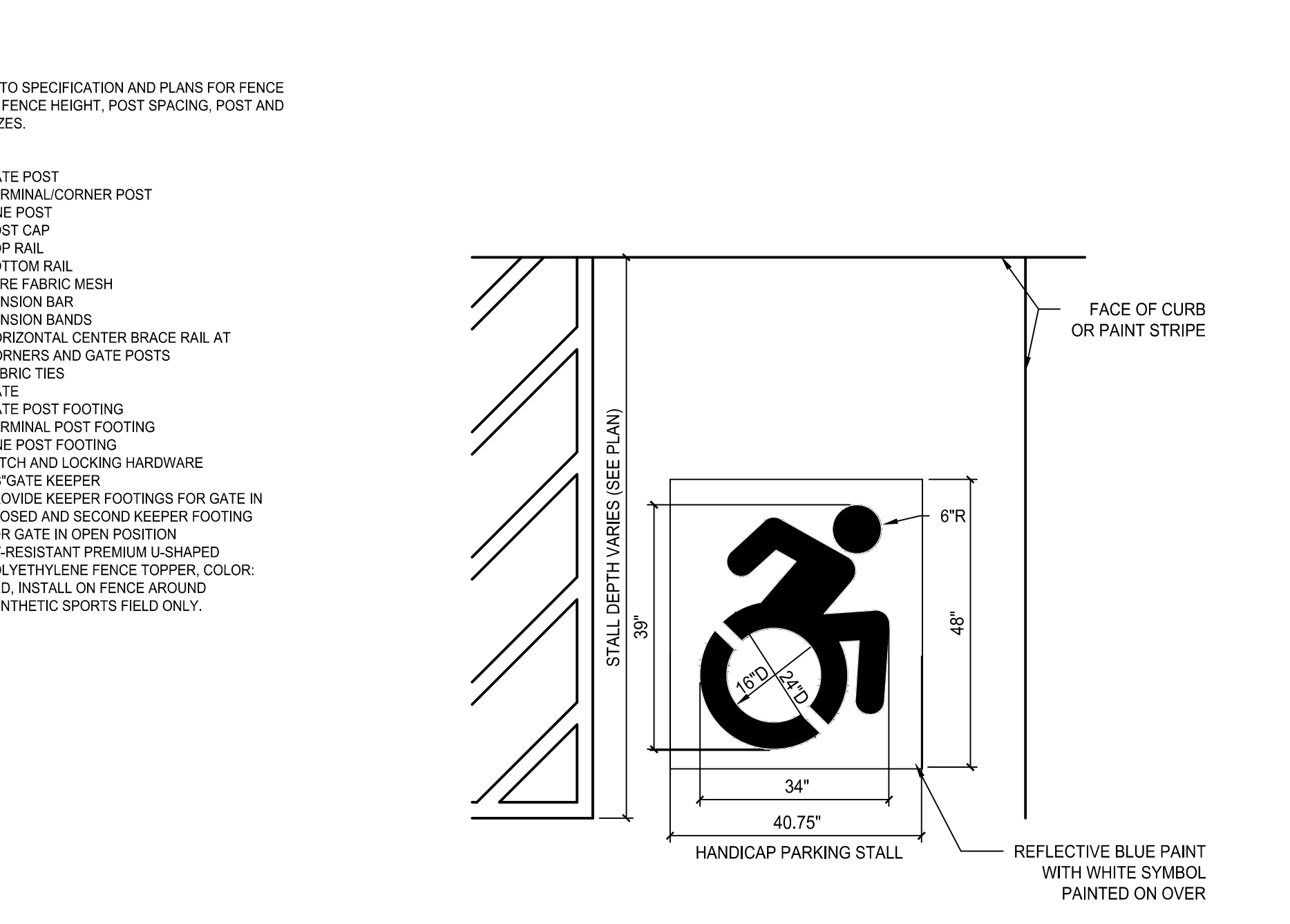
3 ASPHALT PAVEMENT - VEHICULAR NTS



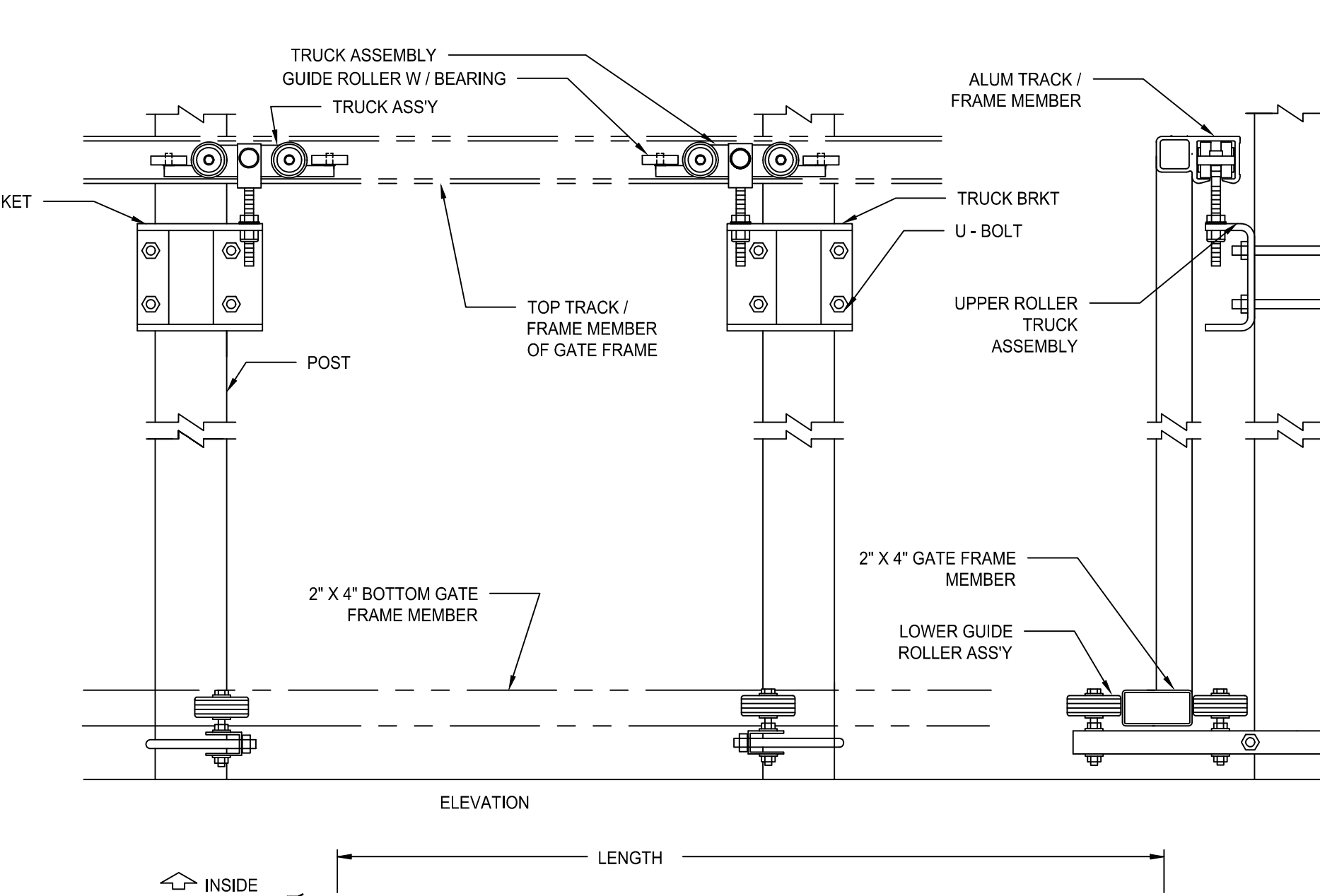
5 CHAIN-LINK FENCE AND GATE NTS



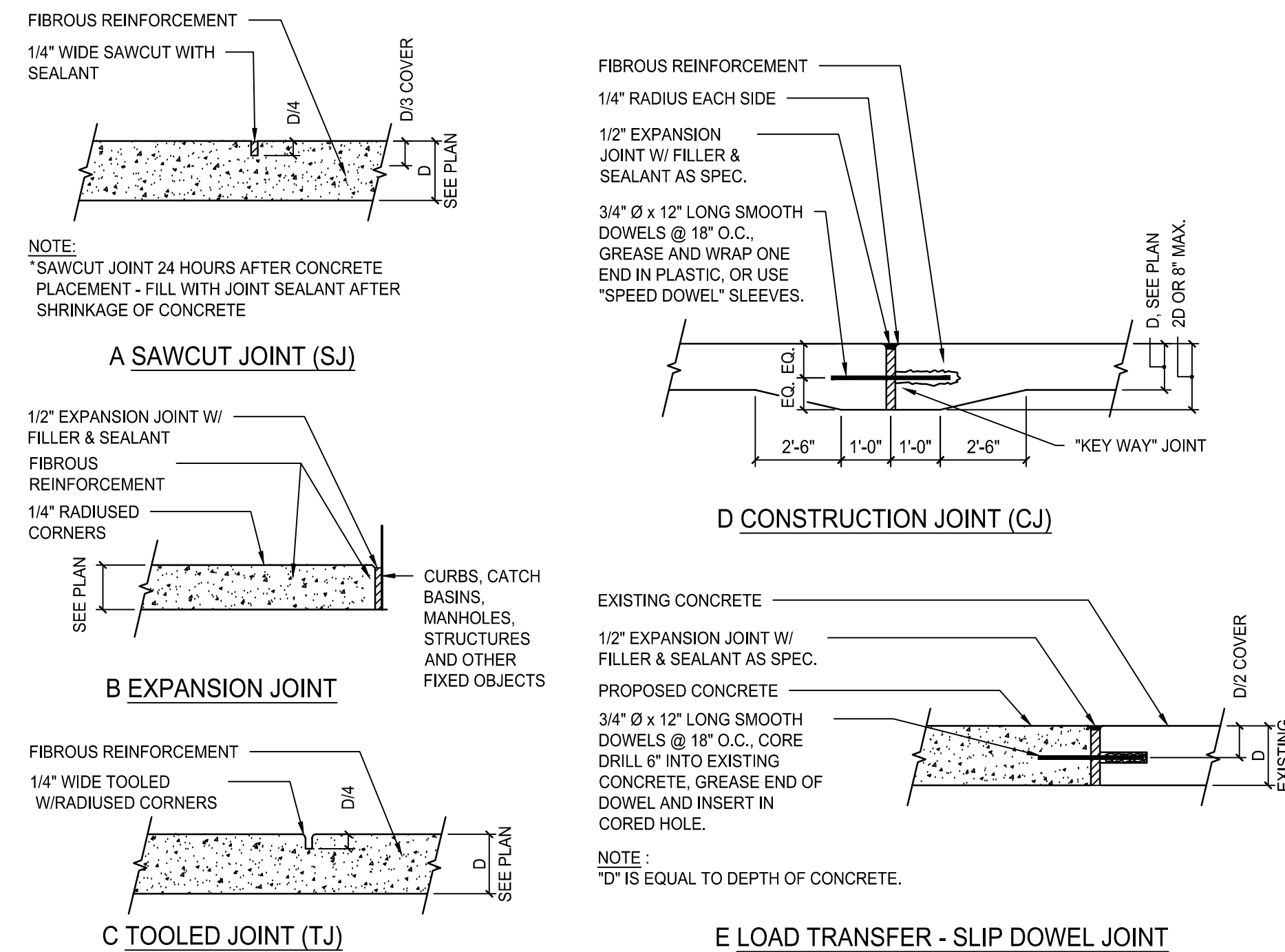
8 CONDITIONS AROUND SYNTHETIC TURF FIELD NTS



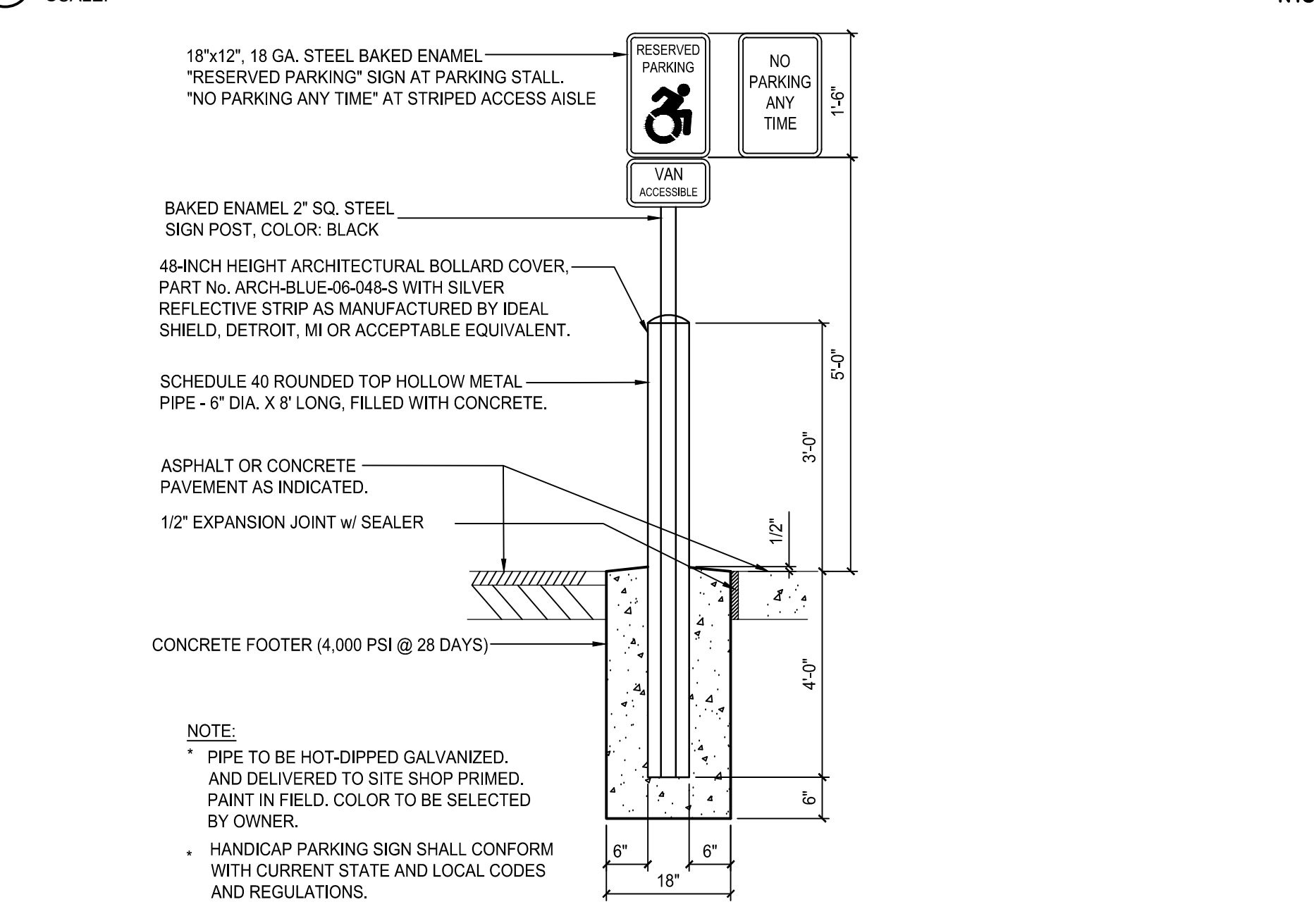
6 ACCESSIBLE PARKING SPACE SYMBOL NTS



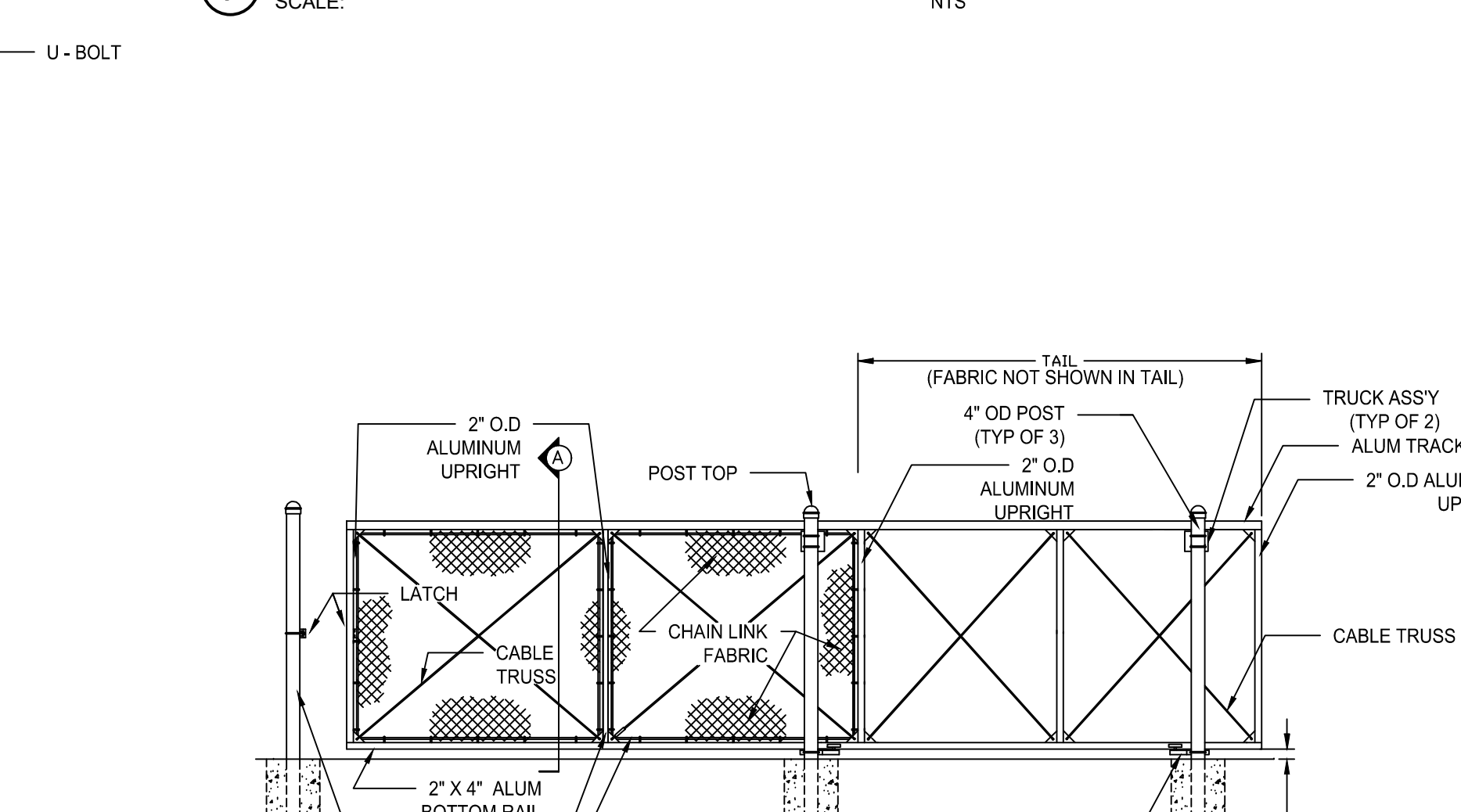
9 GALVANIZED CHAIN LINK CANTILEVERED SLIDE GATE NTS



4 TYPICAL CONCRETE JOINTS NTS



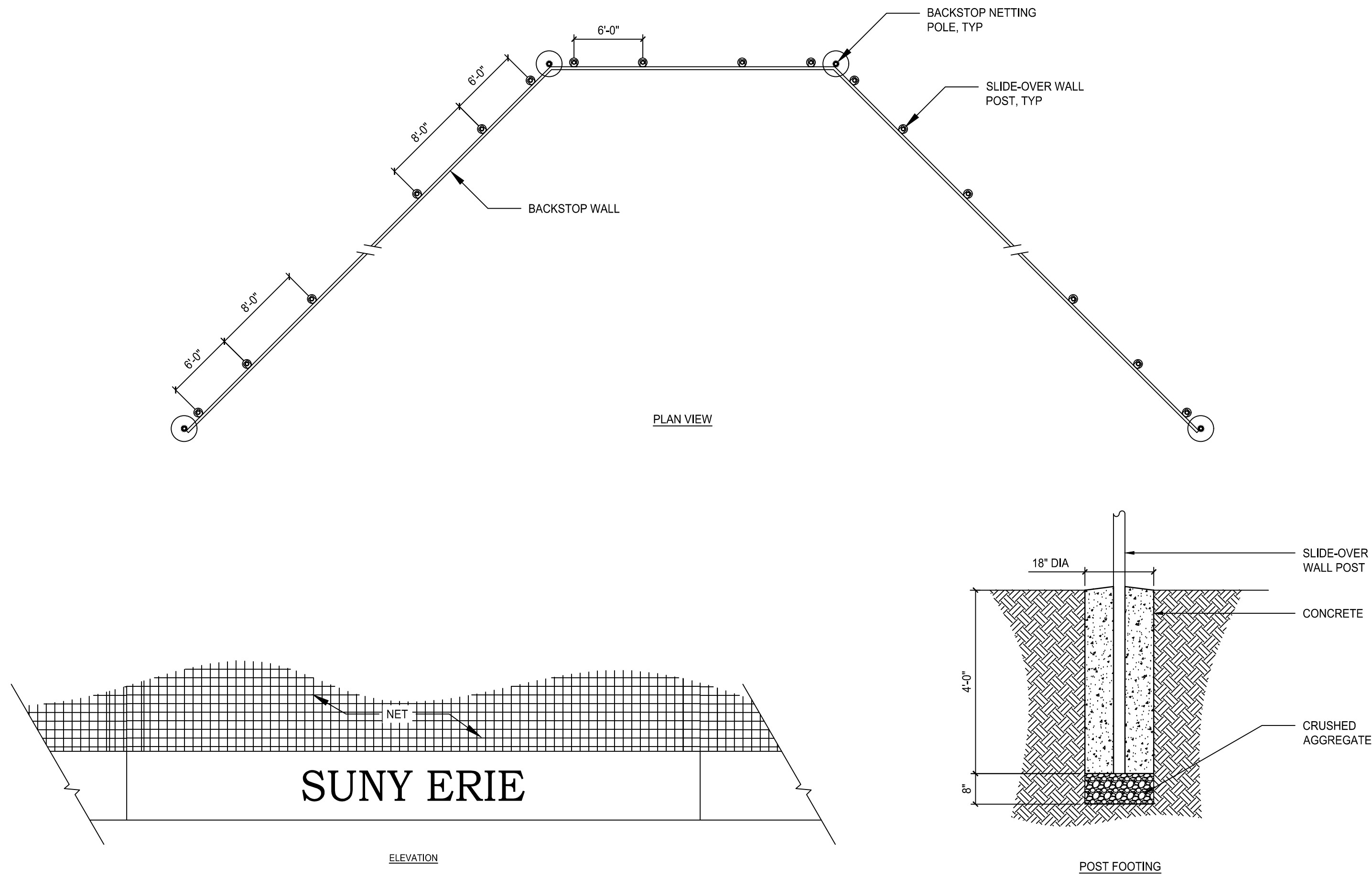
7 RESERVED PARKING SIGN NTS



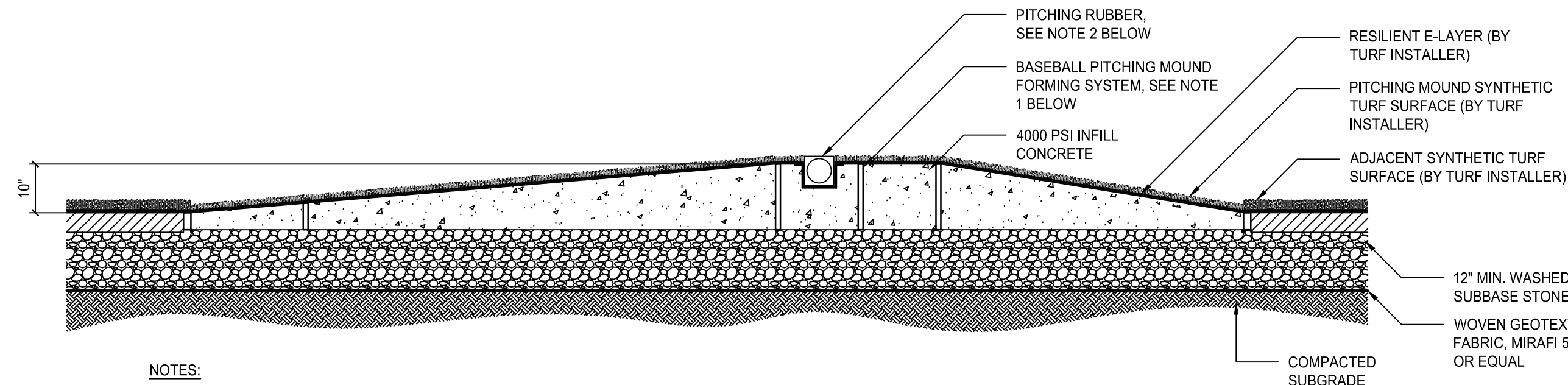
9 GALVANIZED CHAIN LINK CANTILEVERED SLIDE GATE NTS

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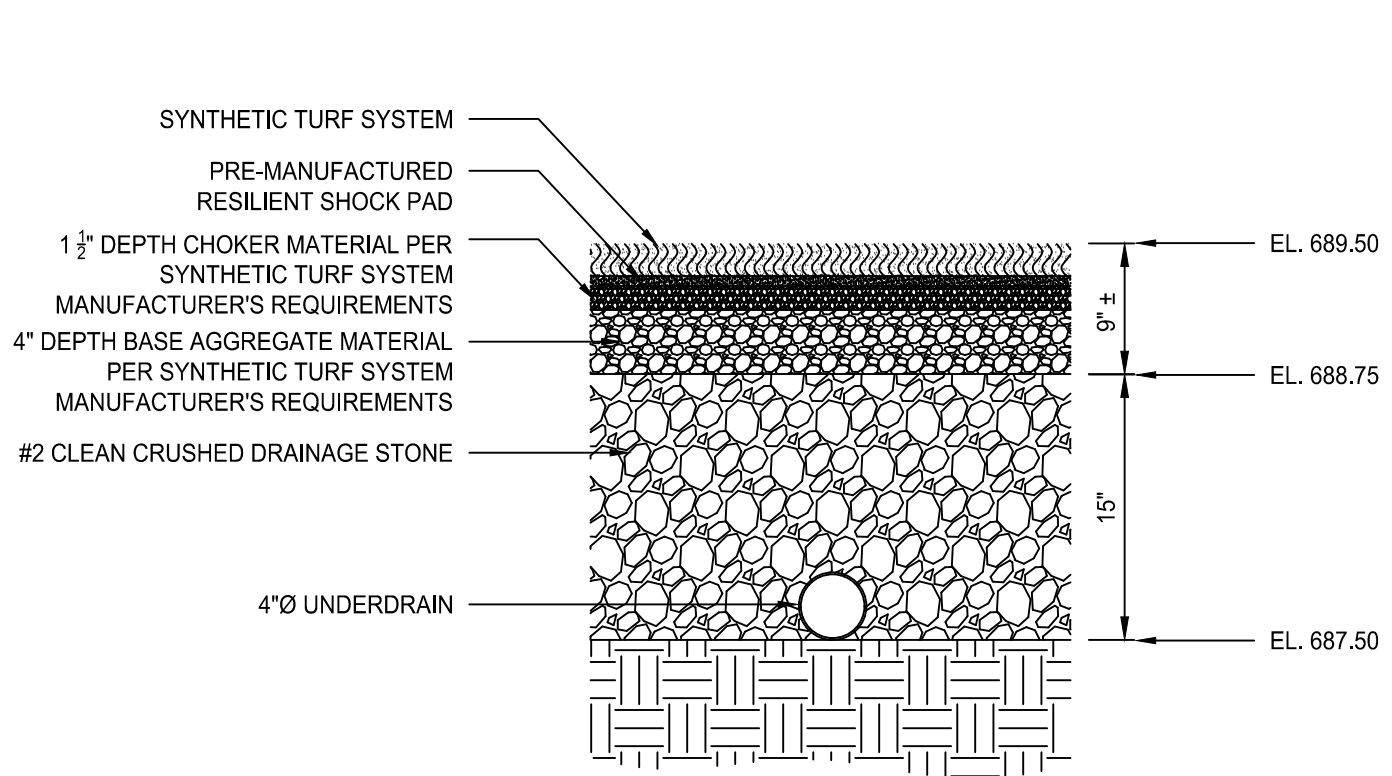
1 MODULAR BACKSTOP WALL SYSTEM
SCALE: NTS



NOTES:

1. "BASEBALL PITCHING MOUND FORMING SYSTEM" (ITEM No. PMFSB) BY SPORTFIELD SPECIALTIES, INC., OR ACCEPTABLE EQUIVALENT. FOLLOW ALL MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.
2. "REPLACEABLE FOUR-SIDED PITCHING RUBBER" (ITEM No. SHB8PB) BY SCHUTT SPORTS, INC., OR ACCEPTABLE EQUIVALENT. FOLLOW ALL MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.

3 SOFTBALL PITCHING MOUND FORMING SYSTEM
SCALE: NTS



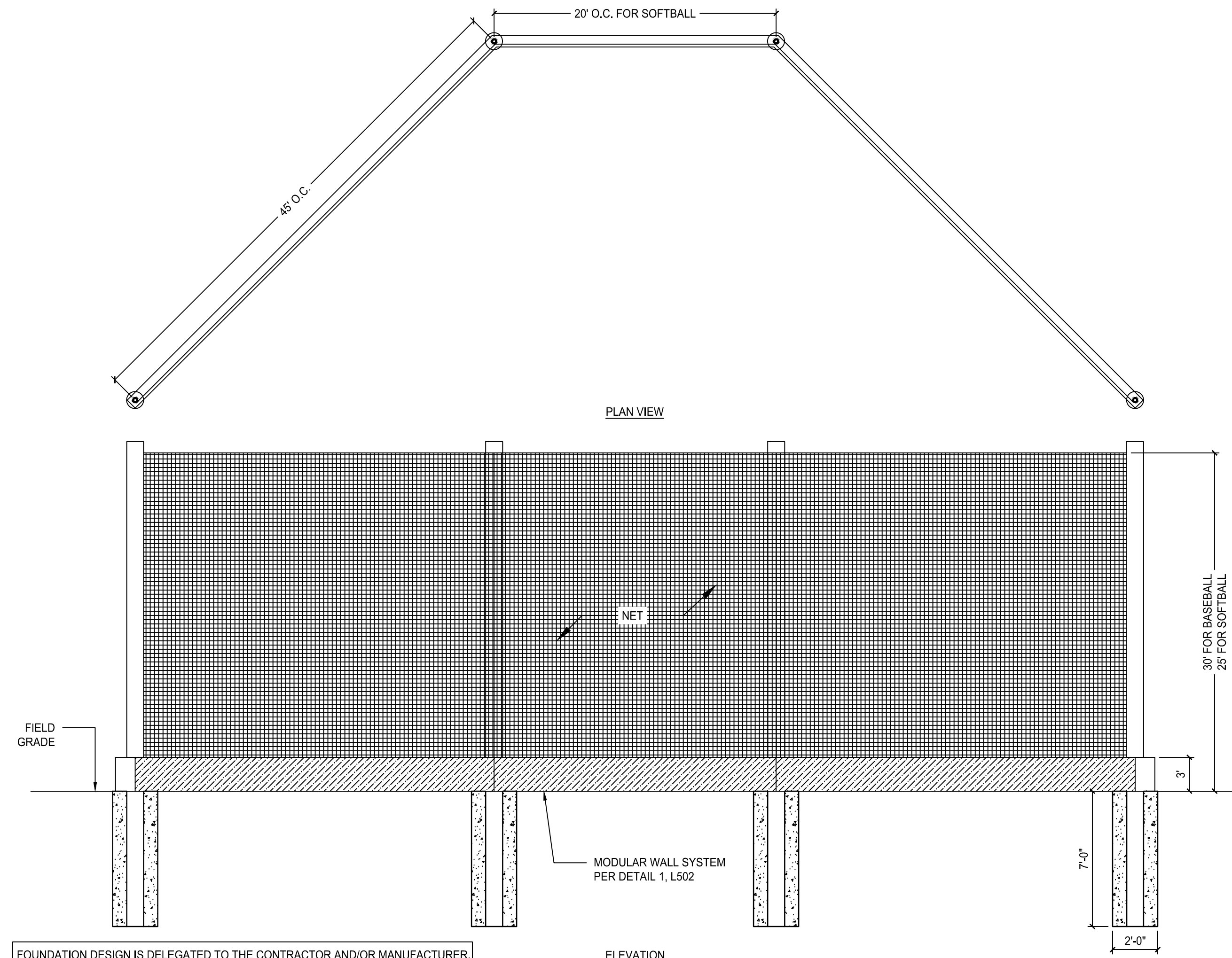
5 SYNTHETIC TURF SURFACE
SCALE: NTS



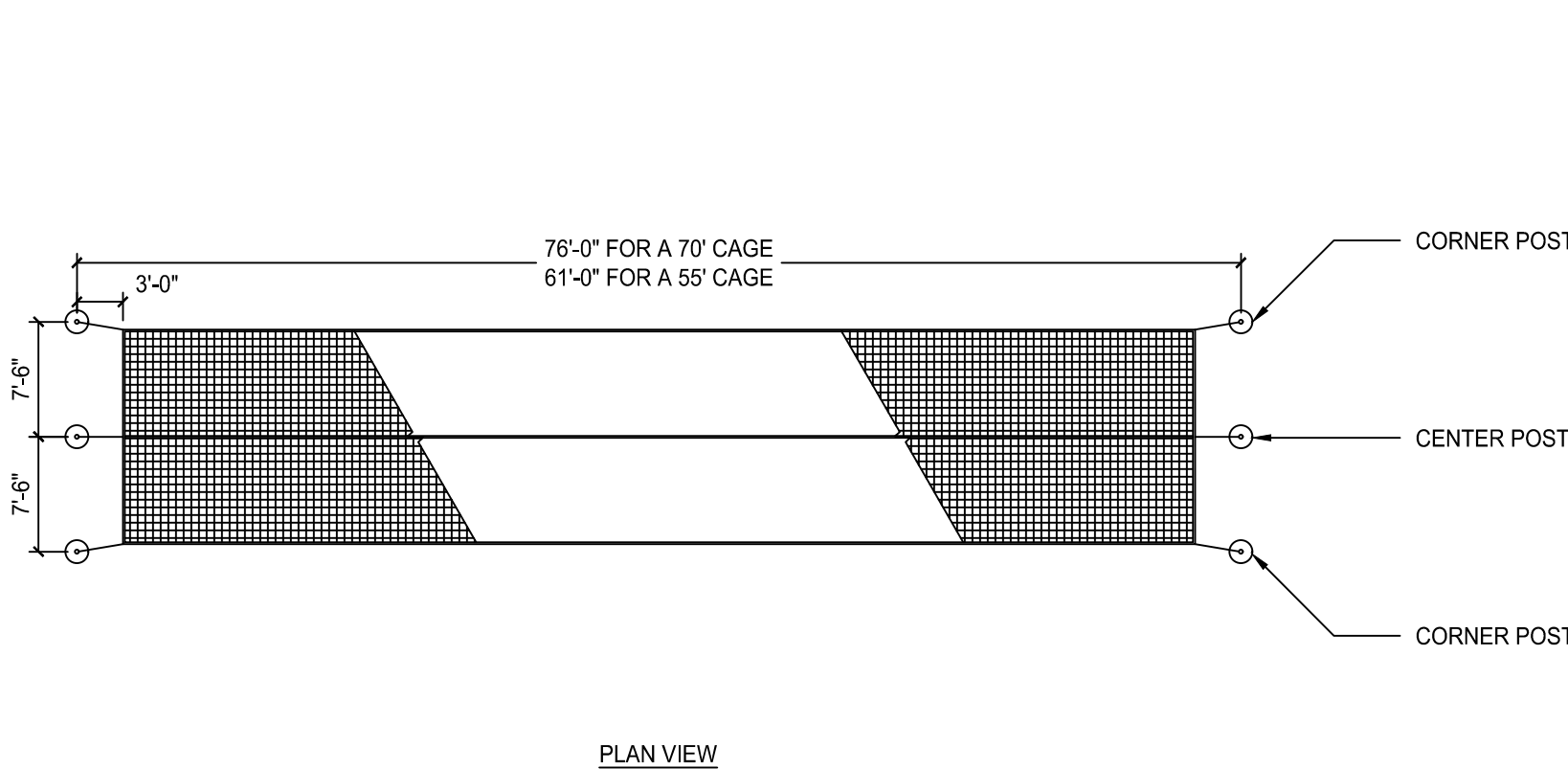
6 PORTABLE SOFTBALL FENCE
SCALE: NTS

NOTES:

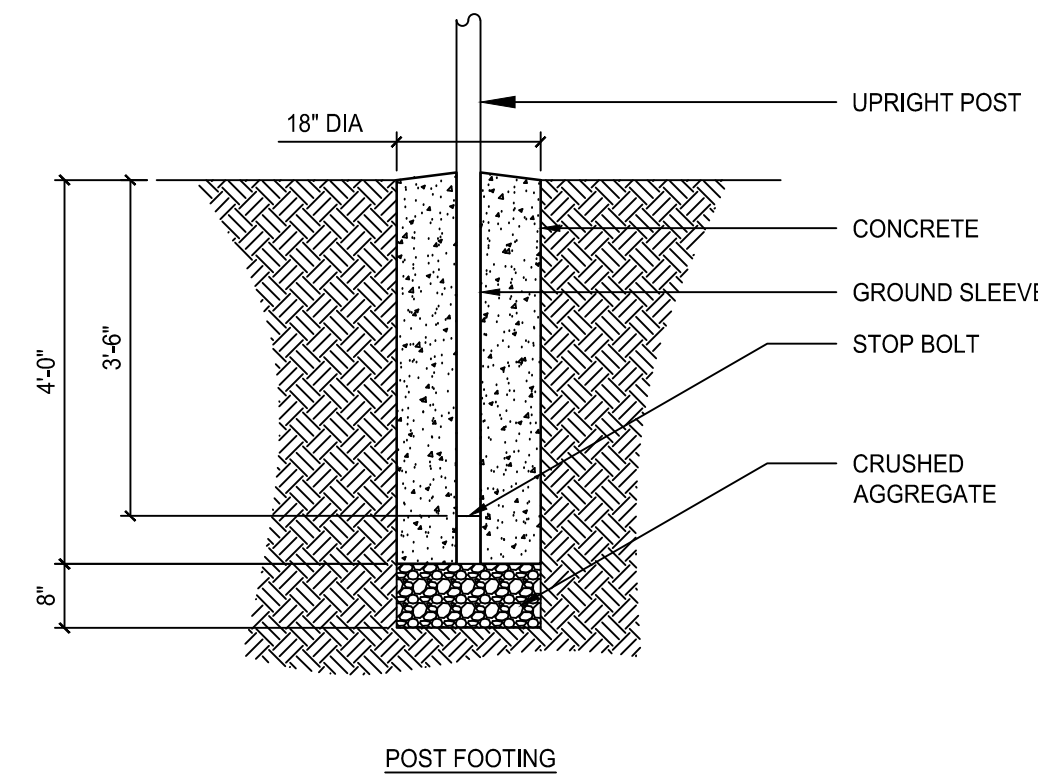
1. BASIS OF DESIGN: 5' X 10' PREMIUM WHEELED PANEL TEMPORARY BALLFIELD FENCE BY SPORTAFENCE OR EQUIVALENT.
2. COLOR: BLACK VINYL COATED CHAIN LINK



2 TENSION NETTED BACKSTOP SYSTEM
SCALE: NTS



4 TENSION NETTED BATTING CAGE/BULLPEN
SCALE: NTS



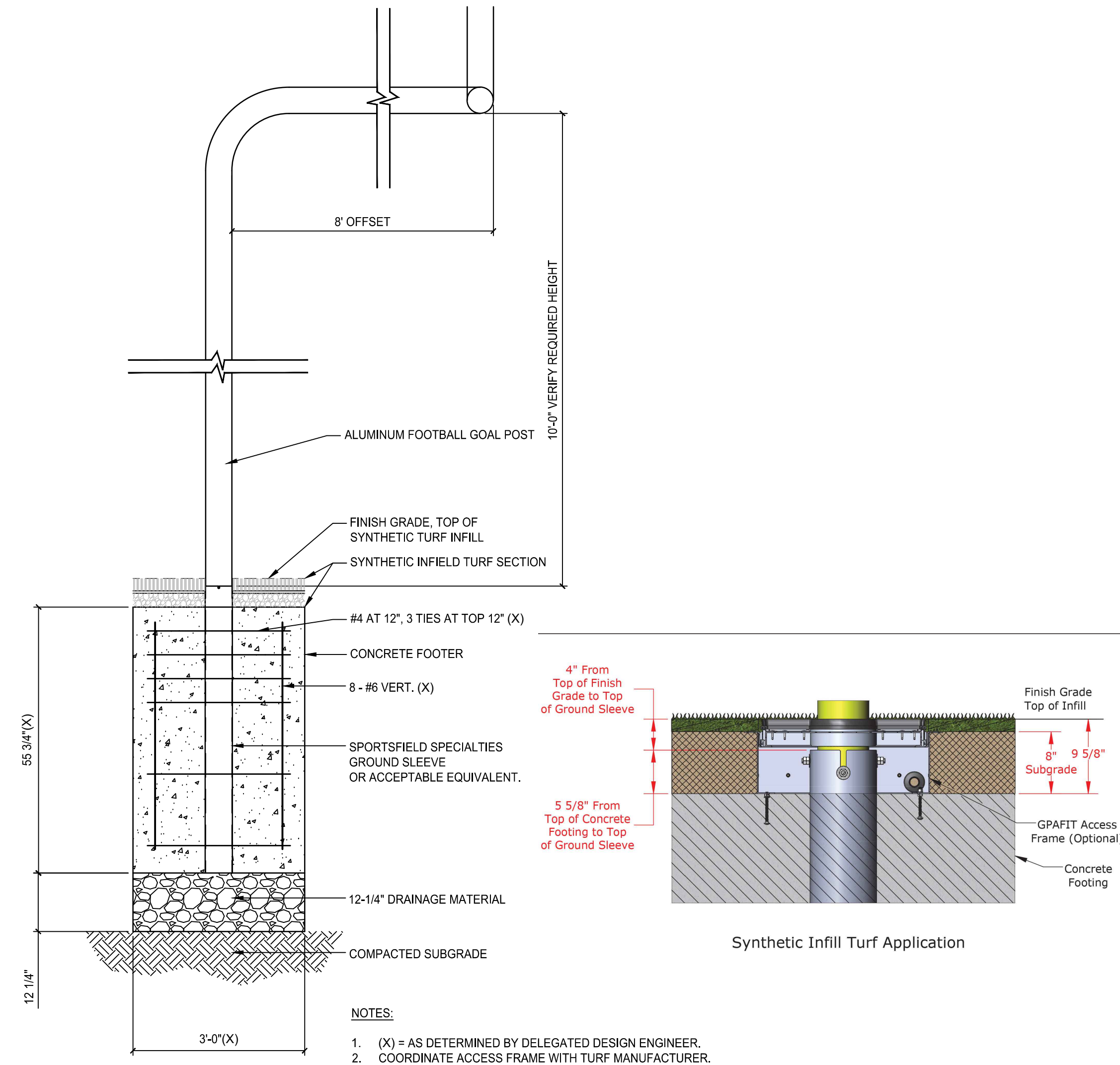
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NO.	REVISIONS	DATE
0	ISSUED FOR BID	11-27-2024

DWG. TITLE

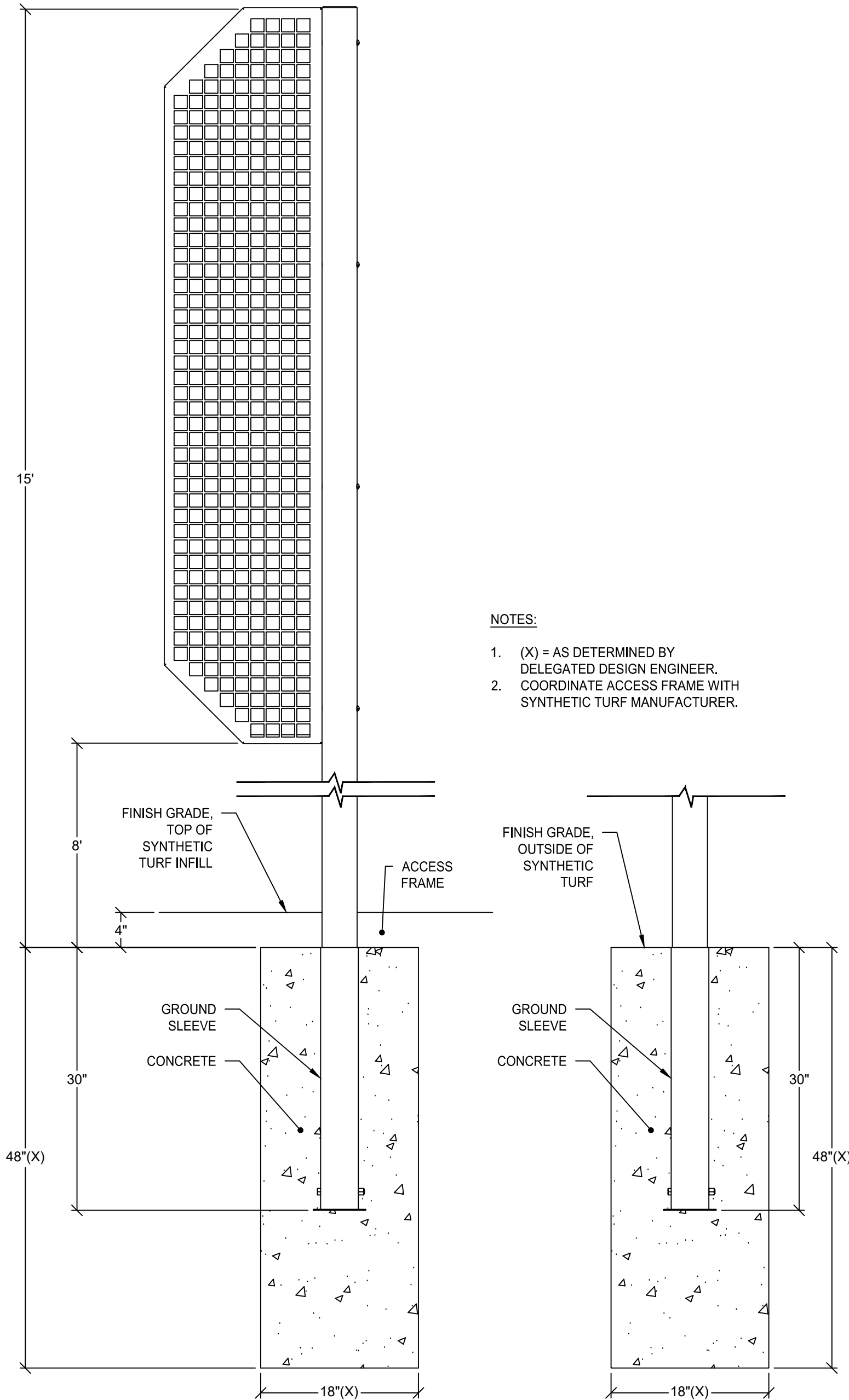
SITE DETAILS

0 1 2			
GENERIC SCALE BAR			
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.			
DATE	11/27/2024		
SCALE	AS NOTED		
DWN.	MJK	CHK.	DLK
PROJ. No.	279806		
DWG. No.			



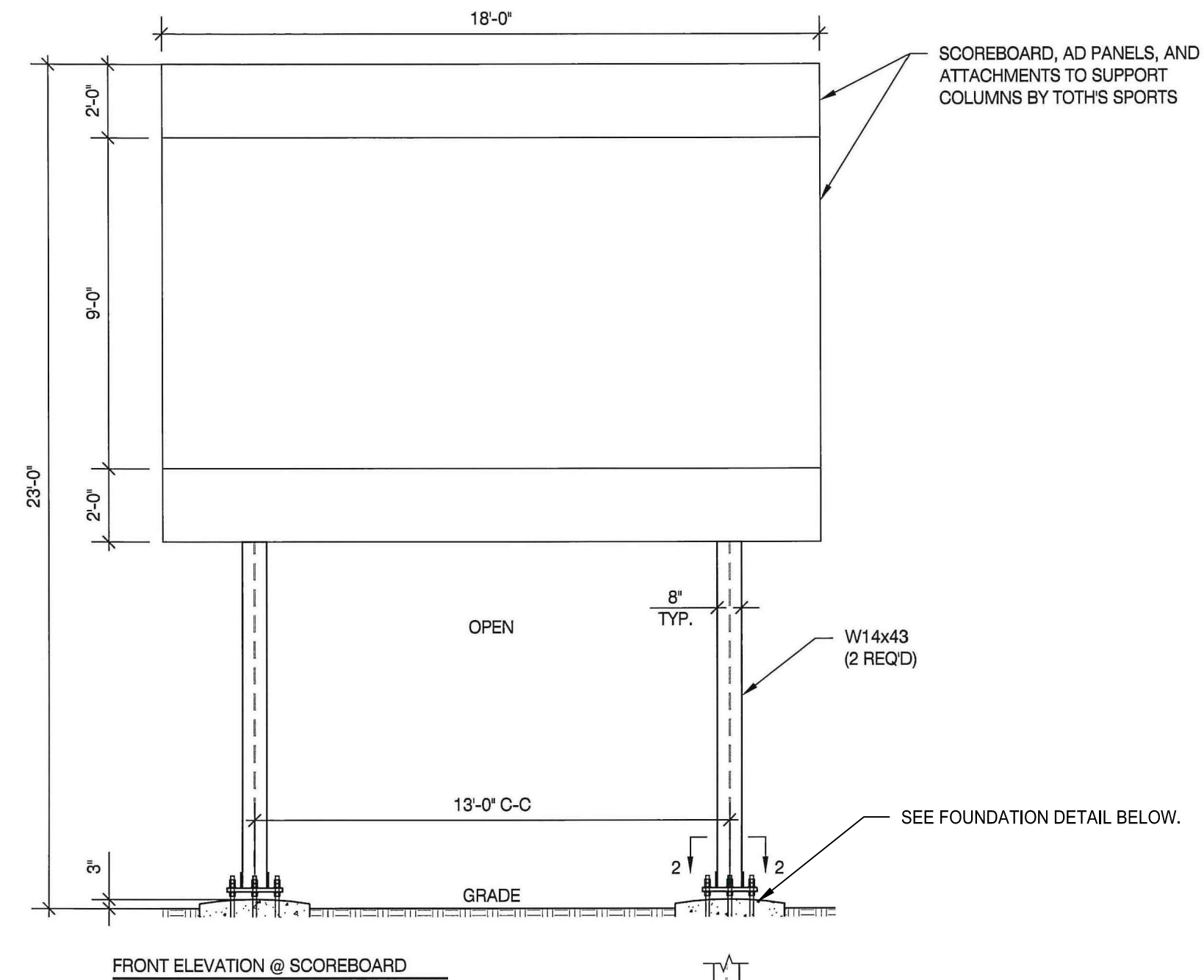
1 FOOTBALL GOAL POST FOOTER

SCALE: NTS



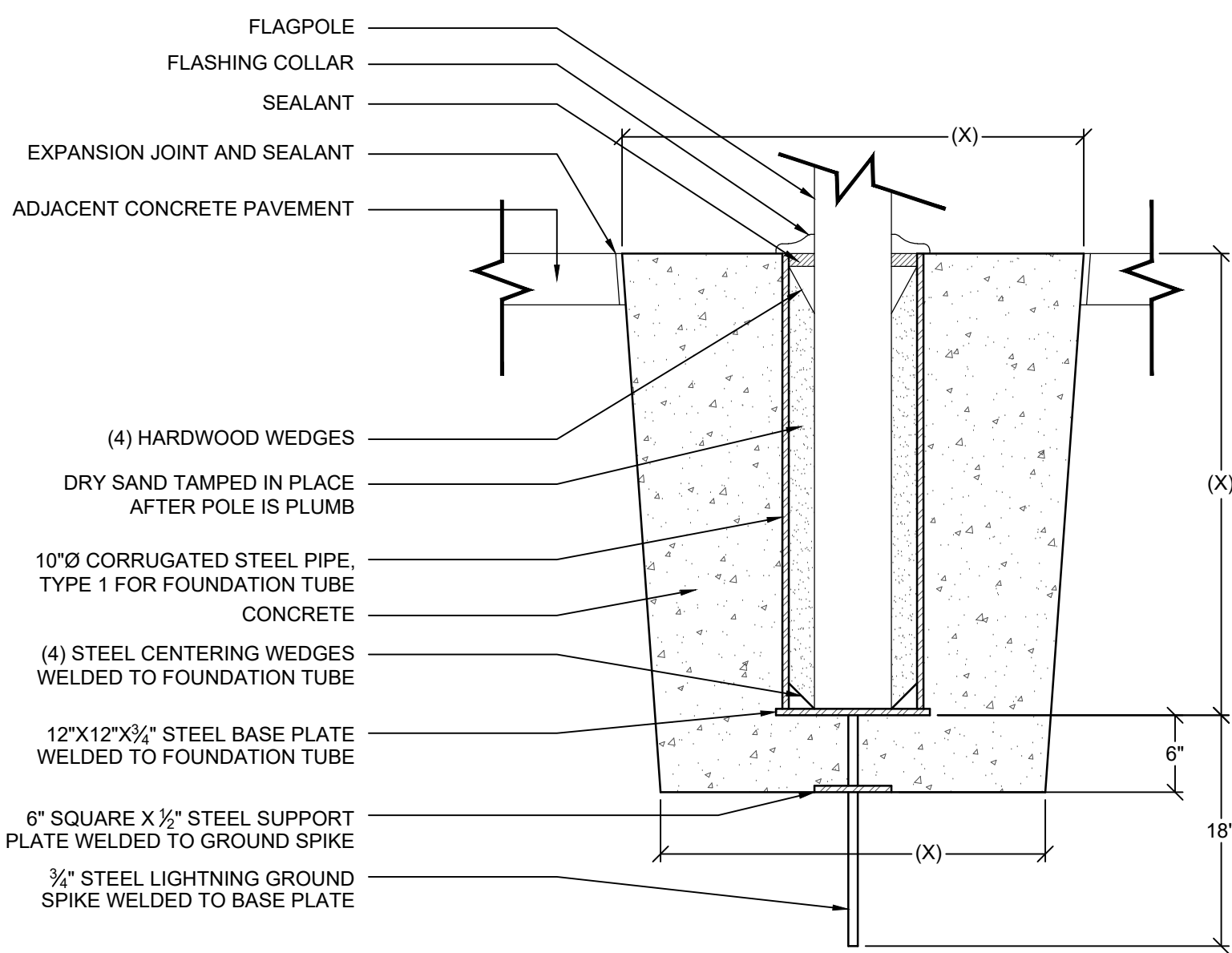
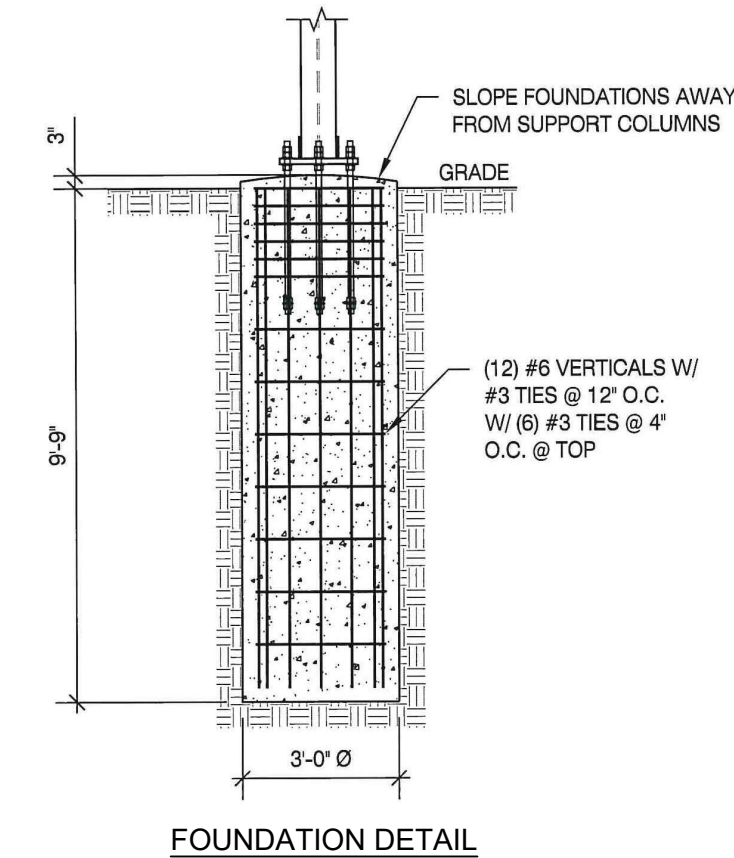
2 FOUL POLE FOUNDATION

SCALE: NTS



3 SCOREBOARD LAYOUT AND FOUNDATION

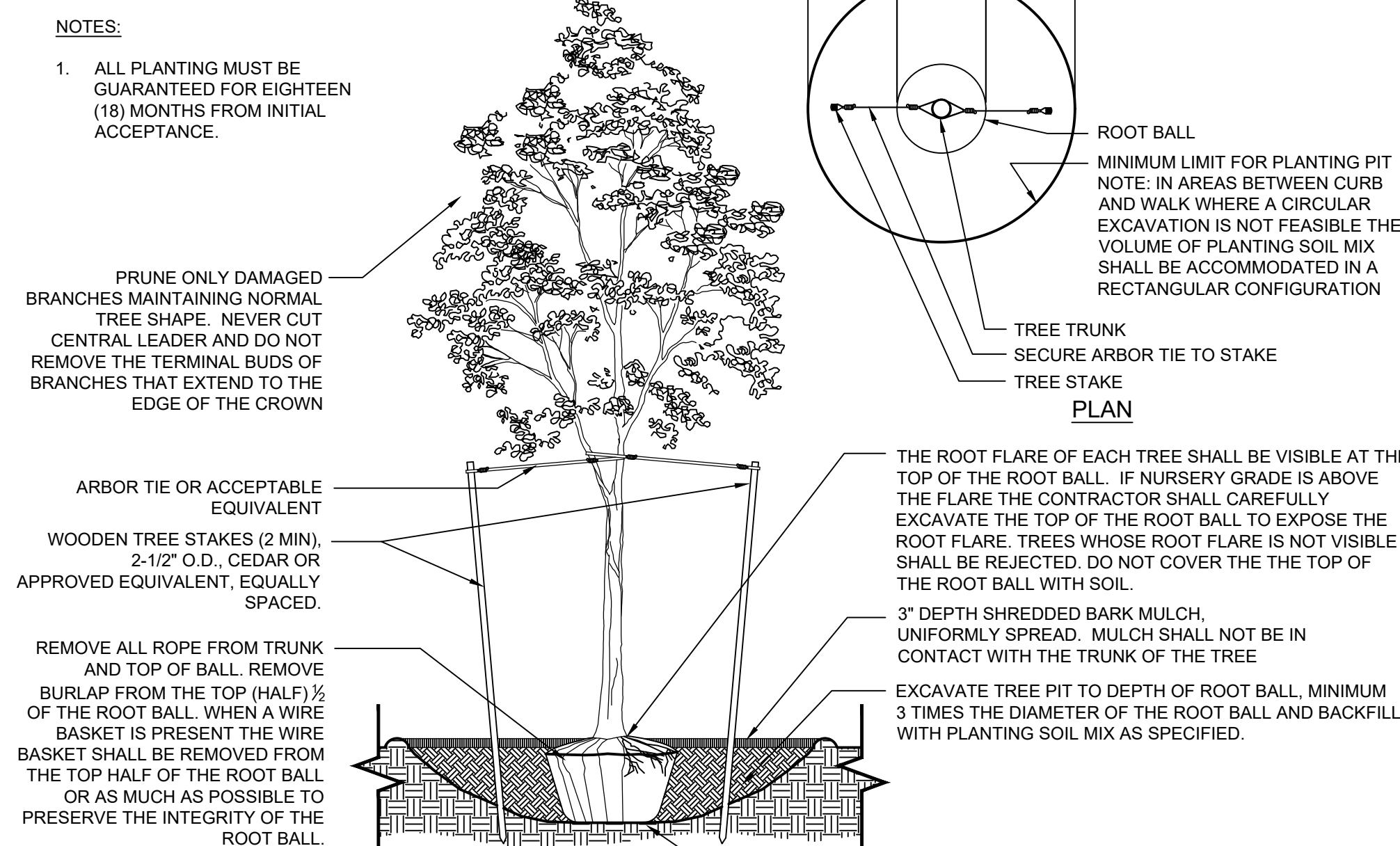
SCALE: NTS



4 FLAGPOLE FOUNDATION

SCALE:

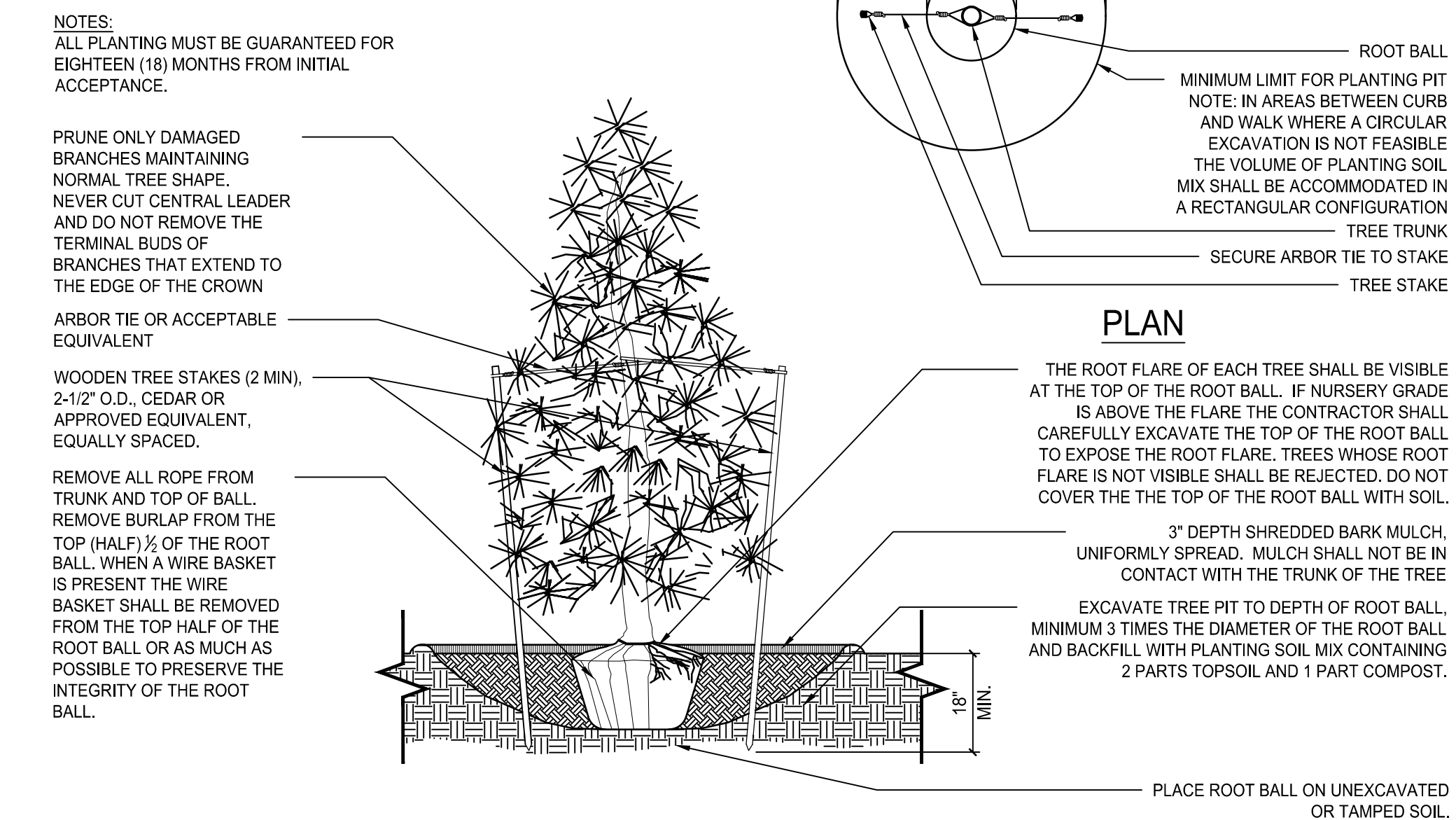
NTS



5 TREE PLANTING

SCALE:

NTS



6 EVERGREEN TREE PLANTING

SCALE:

NTS

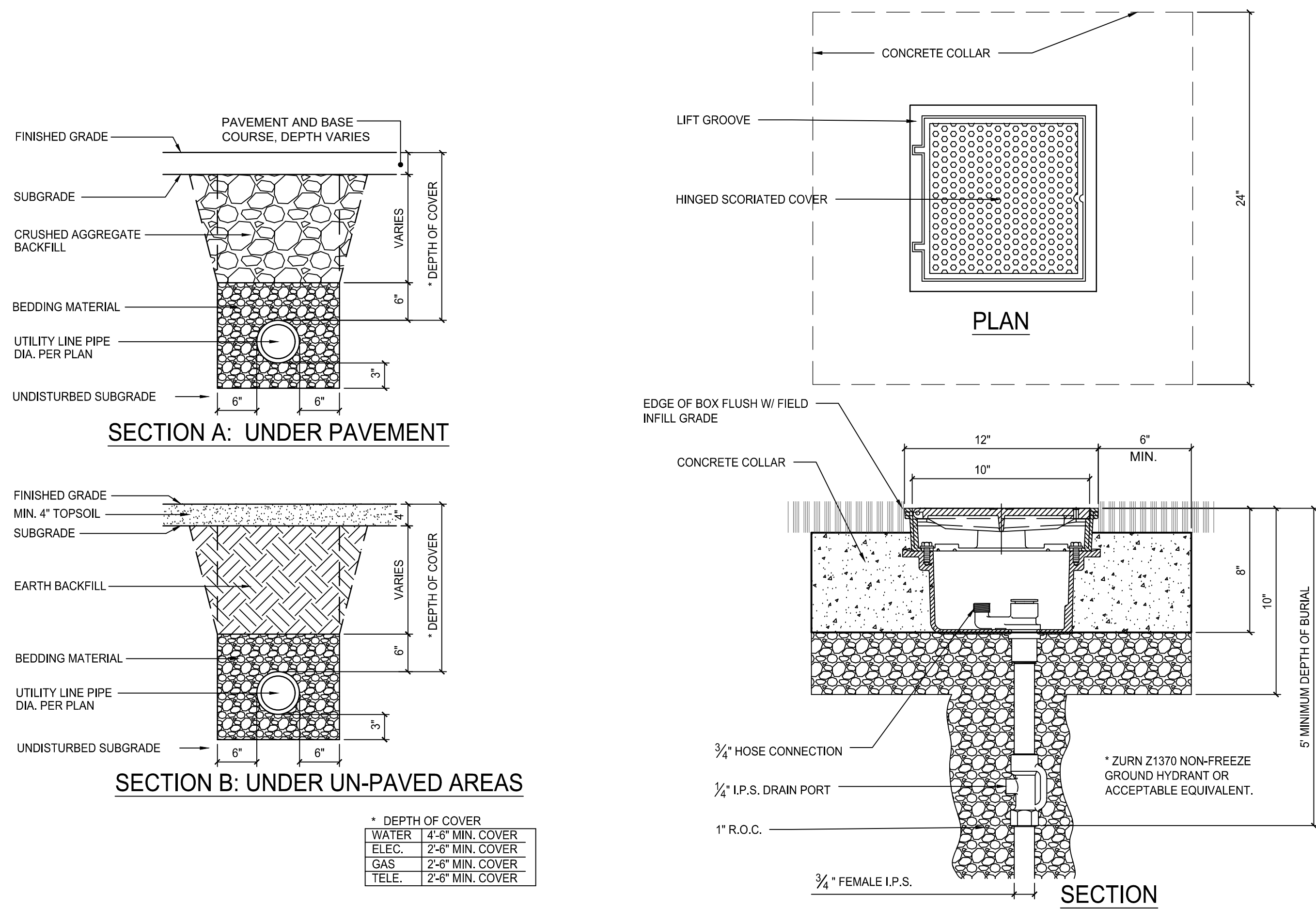
NO.	ISSUED FOR BID	11-27-2024
NO.	REVISIONS	DATE
0	ISSUED FOR BID	11-27-2024

SPORTS PLAYING FIELD PROJECT PHASE 1

ISSUED FOR BID

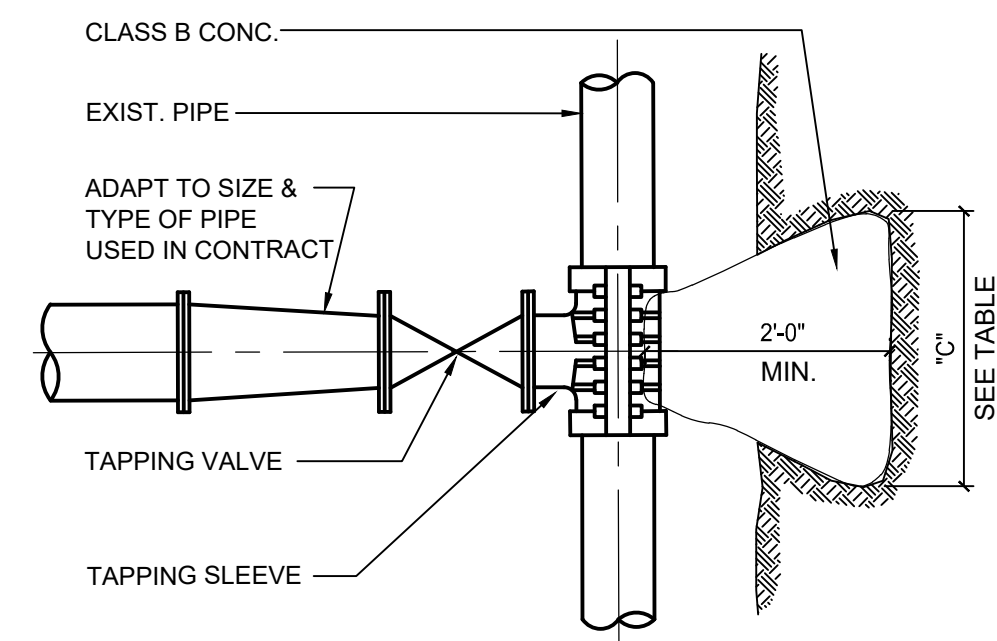
Centerpointe Corporate Park
375 Essjay Road, Suite 200
Williamsville, NY 14221
www.wendelcompanies.com
716.688.0766 f:716.625.6825

WENDEL ARCHITECTURE, P.C



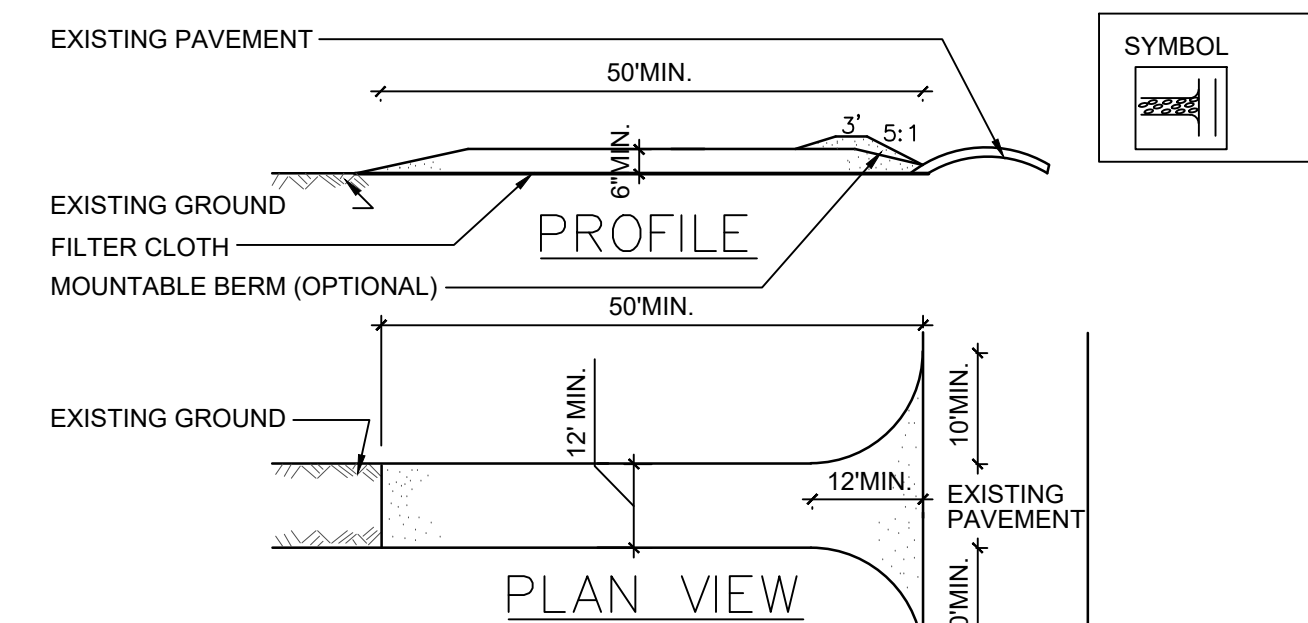
1 UTILITY TRENCH

2 NON-FREEZE GROUND HYDRANT



BRANCH PIPE DIA. IN.	"C"	QUAN. OF CONC. C.Y.	
	FT. - IN.	TEES & PLUGS	WYES
36	10-0	2.00	2.75
30	10-0	1.66	2.27
24	9-9	1.41	1.93
20	8-0	1.00	1.34
18	7-7	0.79	1.63
16	7-6	0.62	0.85
14	5-9	0.48	0.66
12	4-0	0.33	0.60
10	3-2	0.25	0.43
8	2-3	0.16	0.29
6	1-8	0.10	0.18

3 TAPPING SLEEVE & VALVE



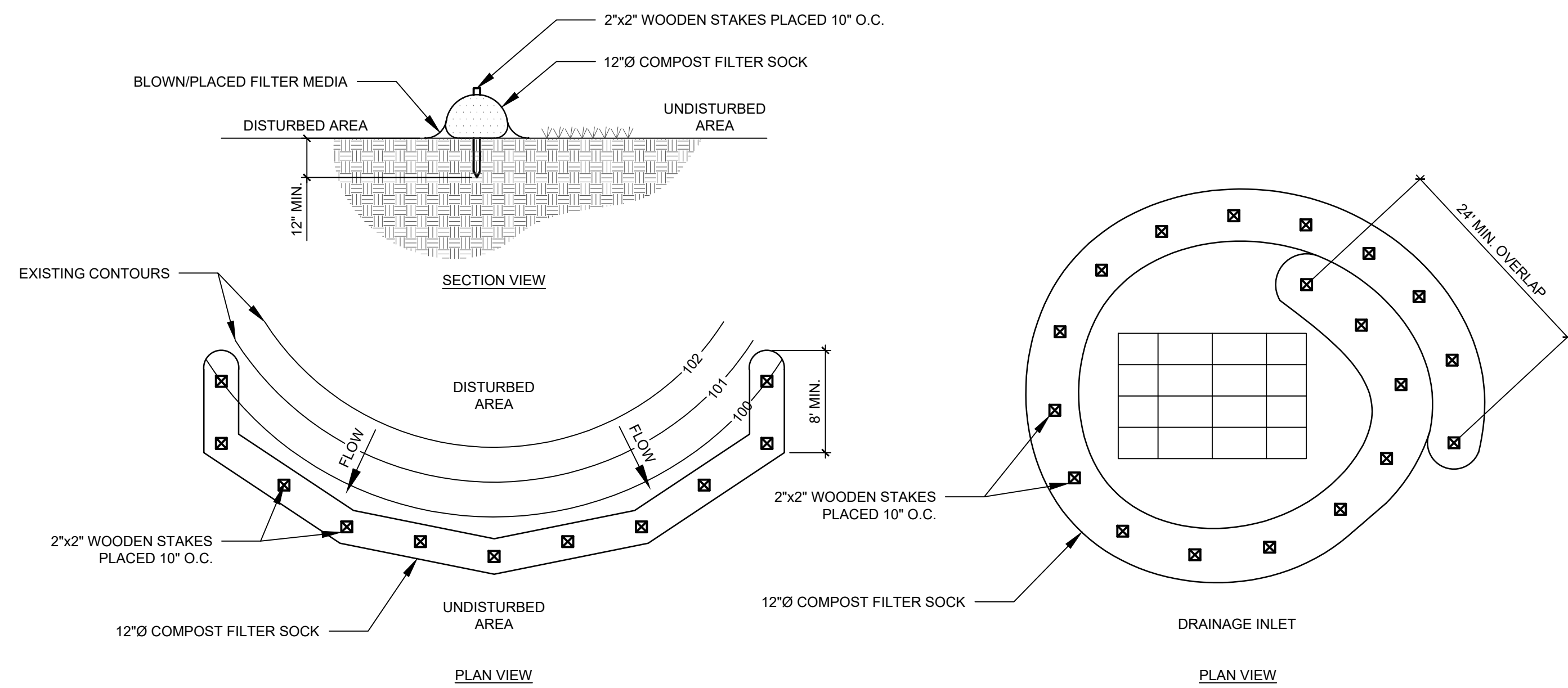
CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS NOT FEASIBLE, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY

MUST BE REMOVED IMMEDIATELY.

8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

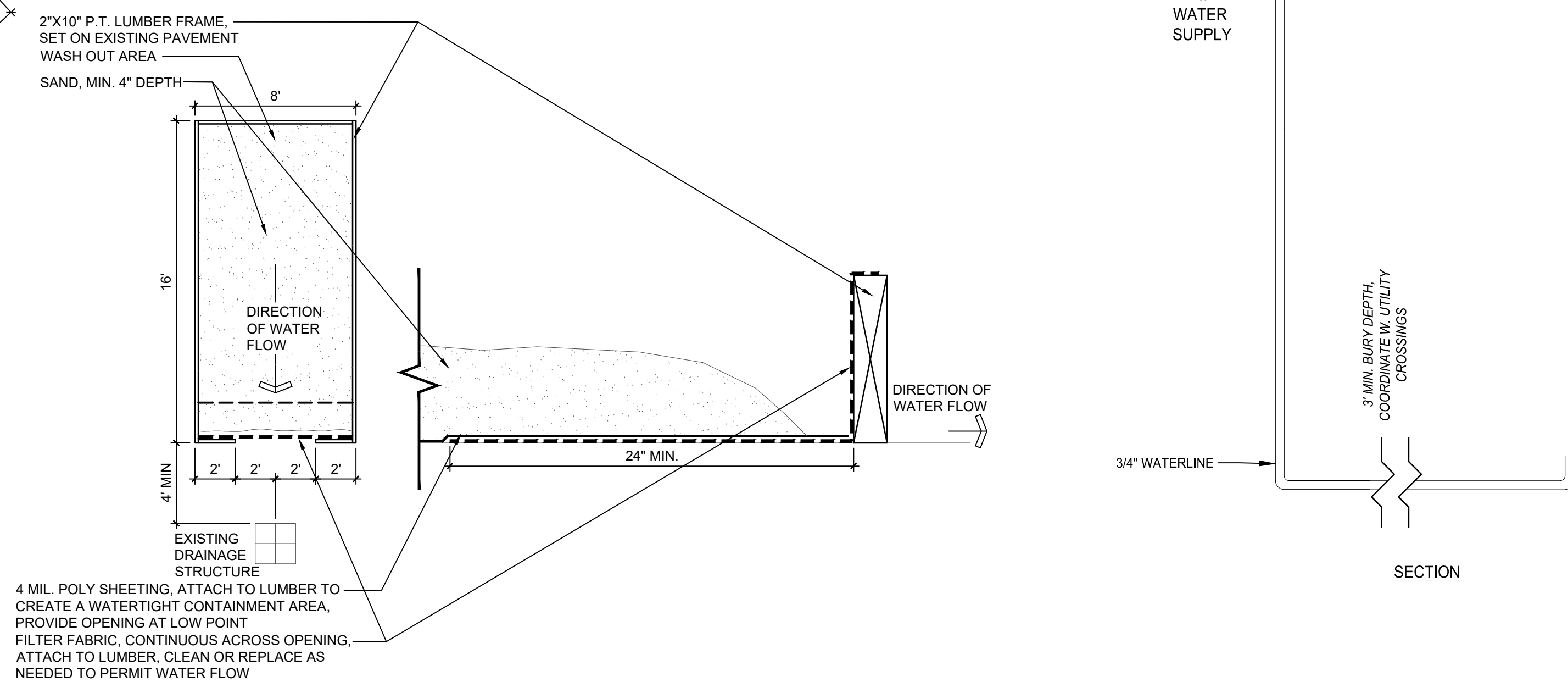
4 STABILIZED CONSTRUCTION ENTRANCE



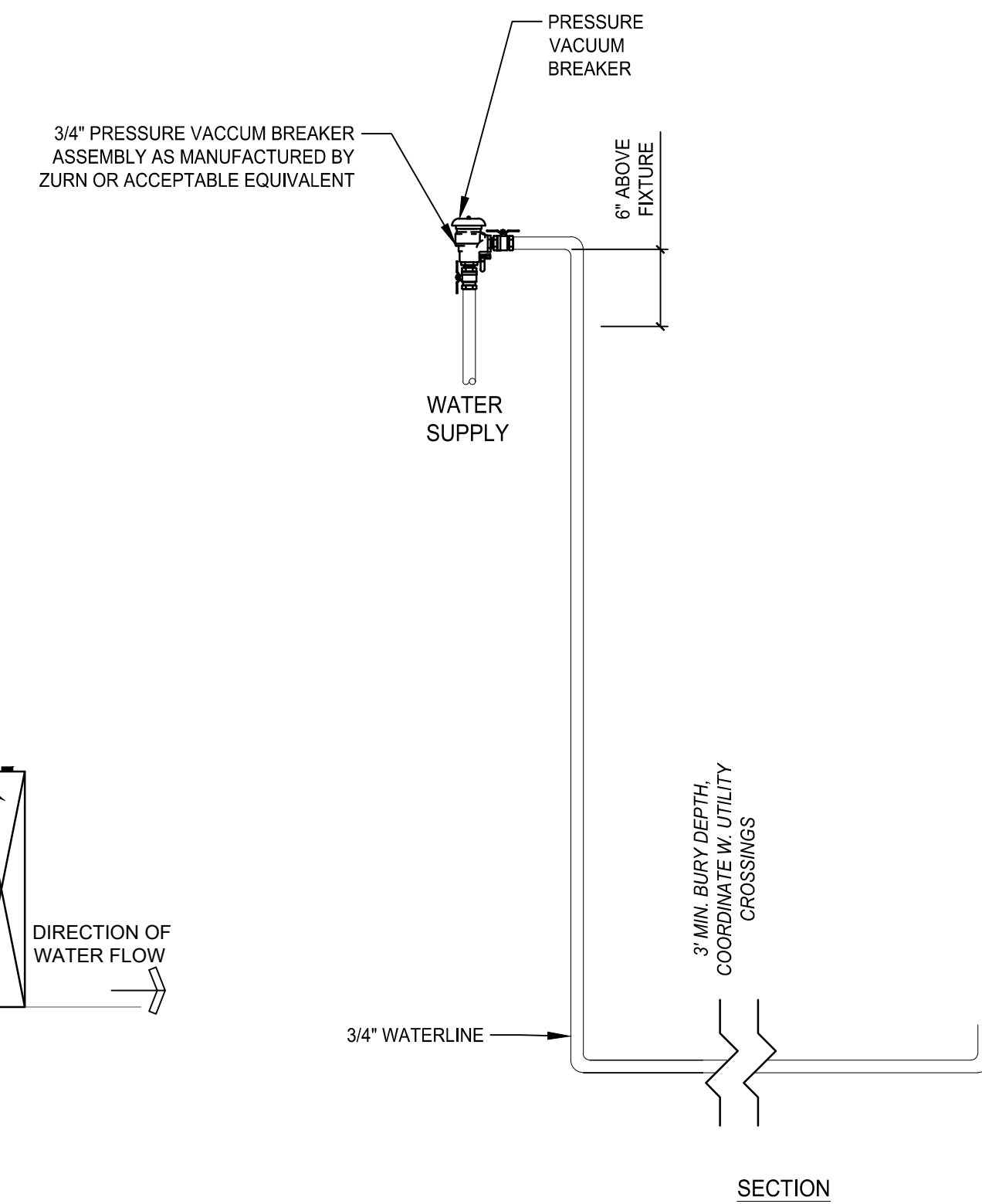
NOTES:

1. COMPOST FILTER SOCK MUST MEET THE STANDARDS AND SPECIFICATIONS OUTLINED IN SECTION 5 OF THE NEW YORK STATE STANDARD SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, (JULY 2016).
2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
3. SPECIFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER SPECIFIED.
5. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
6. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCKS, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATER CASE, THE MESH SHALL BE CUT OPEN AND THE COMPOST SPREAD AS A SOIL SUPPLEMENT.

5 COMPOST FILTER SOCK
NTS



6 READY-MIX TRUCK WASH OUT STATION



7 TYPICAL YARD HYDRANT INSTALLATION
SCALE: _____ NTS

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NO.	REVISIONS	DATE

DWG. TITLE

SITE DETAILS



GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING.
IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 11/27/2024

SCALE	AS NOTED
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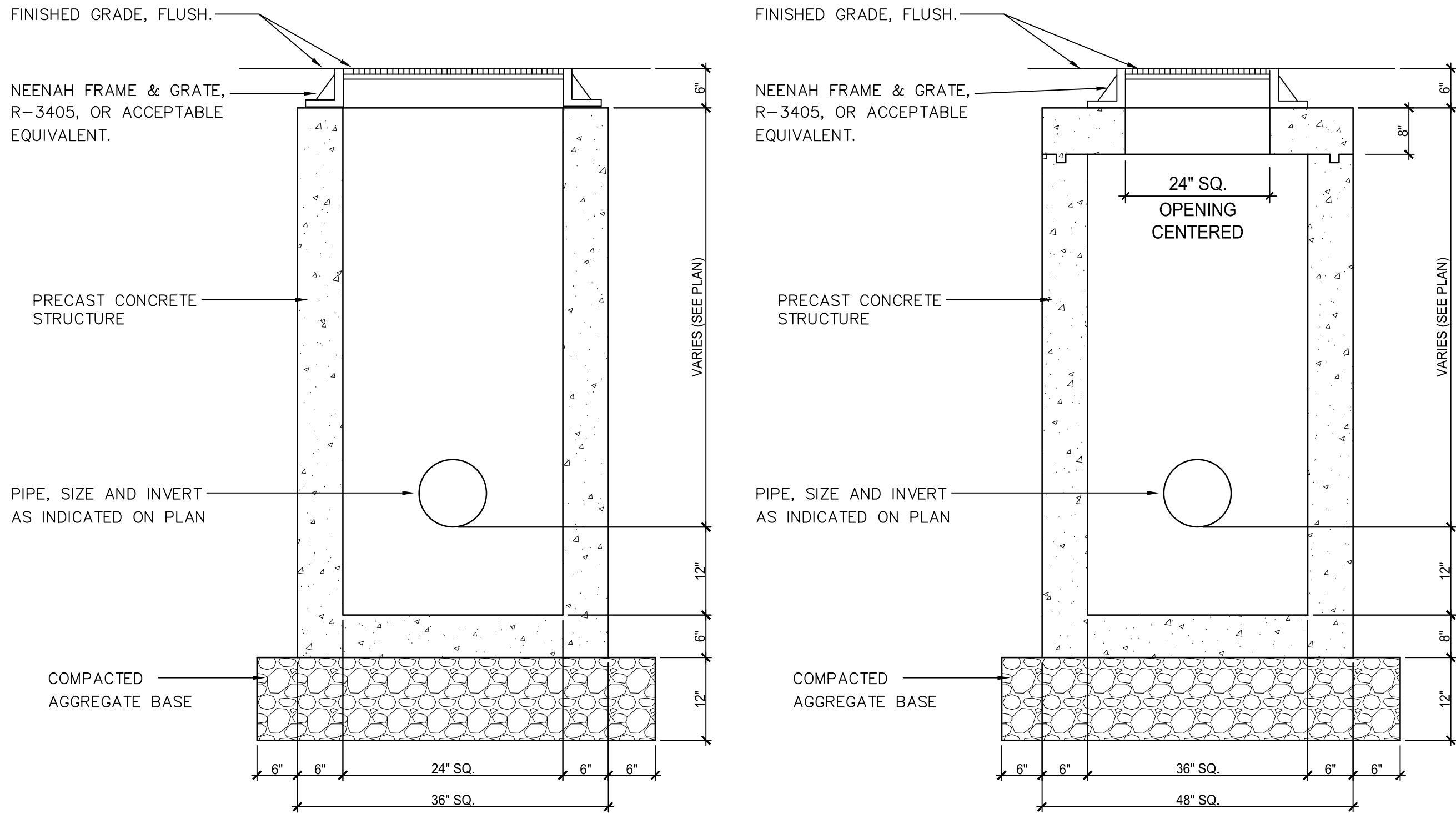
DVN. M

PROJ No. 279806

PLUG IN:

DWG. NO.

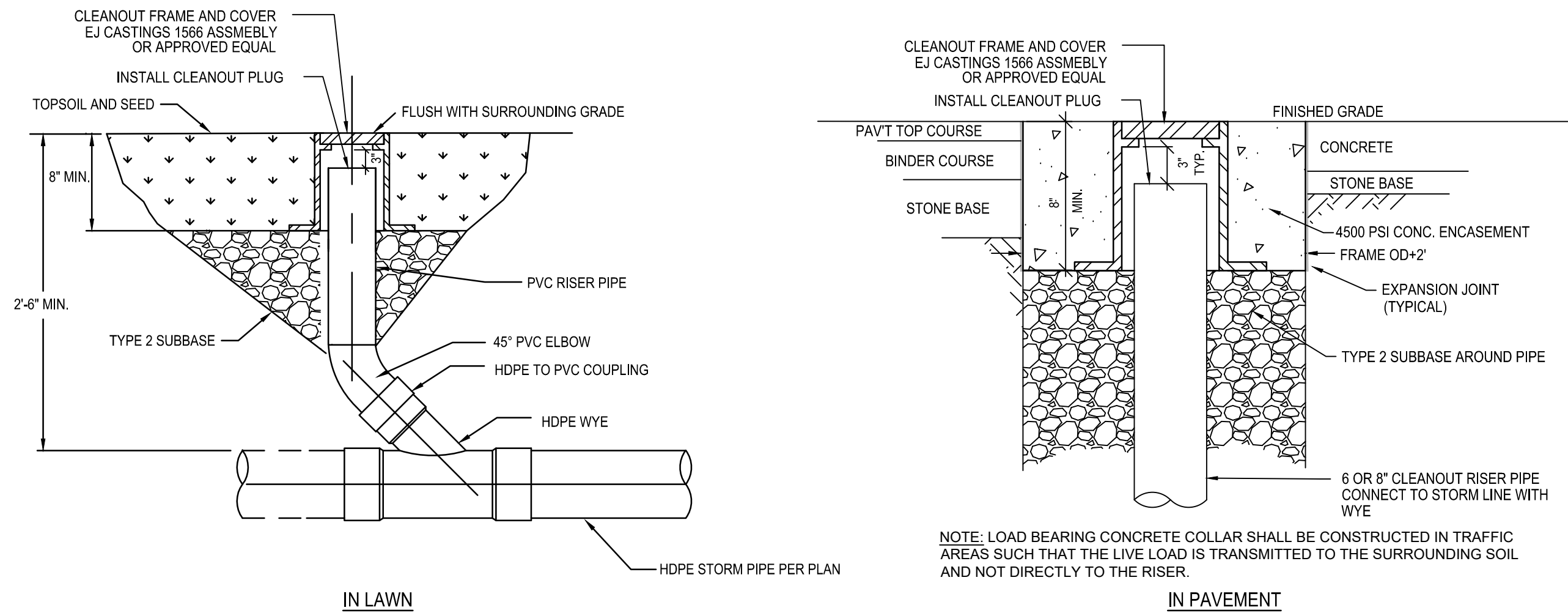
L504



1. MAXIMUM FRAME AND RIM ADJUSTMENT TO BE 12". SEE NOTES 4 & 5.
2. WALL THICKNESS FOR STRUCTURES TO BE 6".
3. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE WALLS OF STRUCTURE.
4. FOR ALL DRAINAGE STRUCTURES A MAXIMUM OF 2" OF MORTAR ALONE SHALL BE USED FOR TOP SLAB AND/OR FRAME AND GRATE ADJUSTMENT. FOR ADJUSTMENTS, NOT TO EXCEED 12", CAST IN PLACE CONCRETE OR A PRECAST CONCRETE ADJUSTMENT ELEMENT(S) MANUFACTURED IN ACCORDANCE WITH N.Y.S.D.O.T. STANDARD SPECIFICATION NO. 706-04 SHALL BE USED. A MAXIMUM 2" OF MORTAR SHALL BE ALLOWED ON BOTH THE TOP AND BOTTOM OF THE PRECAST DEVICES. MORTAR SHALL BE MORTAR FOR CONCRETE MASONRY CONFORMING TO N.Y.S.D.O.T. STANDARD SPECIFICATION NO. 705-21.
5. THE USE OF PRECAST CONCRETE PAVERS AND MORTAR FOR FRAME AND GRATE ADJUSTMENT WILL NOT BE ALLOWED UNLESS PRIOR APPROVAL IS OBTAINED FROM THE TOWN HIGHWAY SUPT. AND TOWN ENGINEER. PAVERS SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION NO. 704-13, MAX. 6" HEIGHT.
6. PRECAST CATCH BASIN TO BE 4000 PSI MINIMUM.

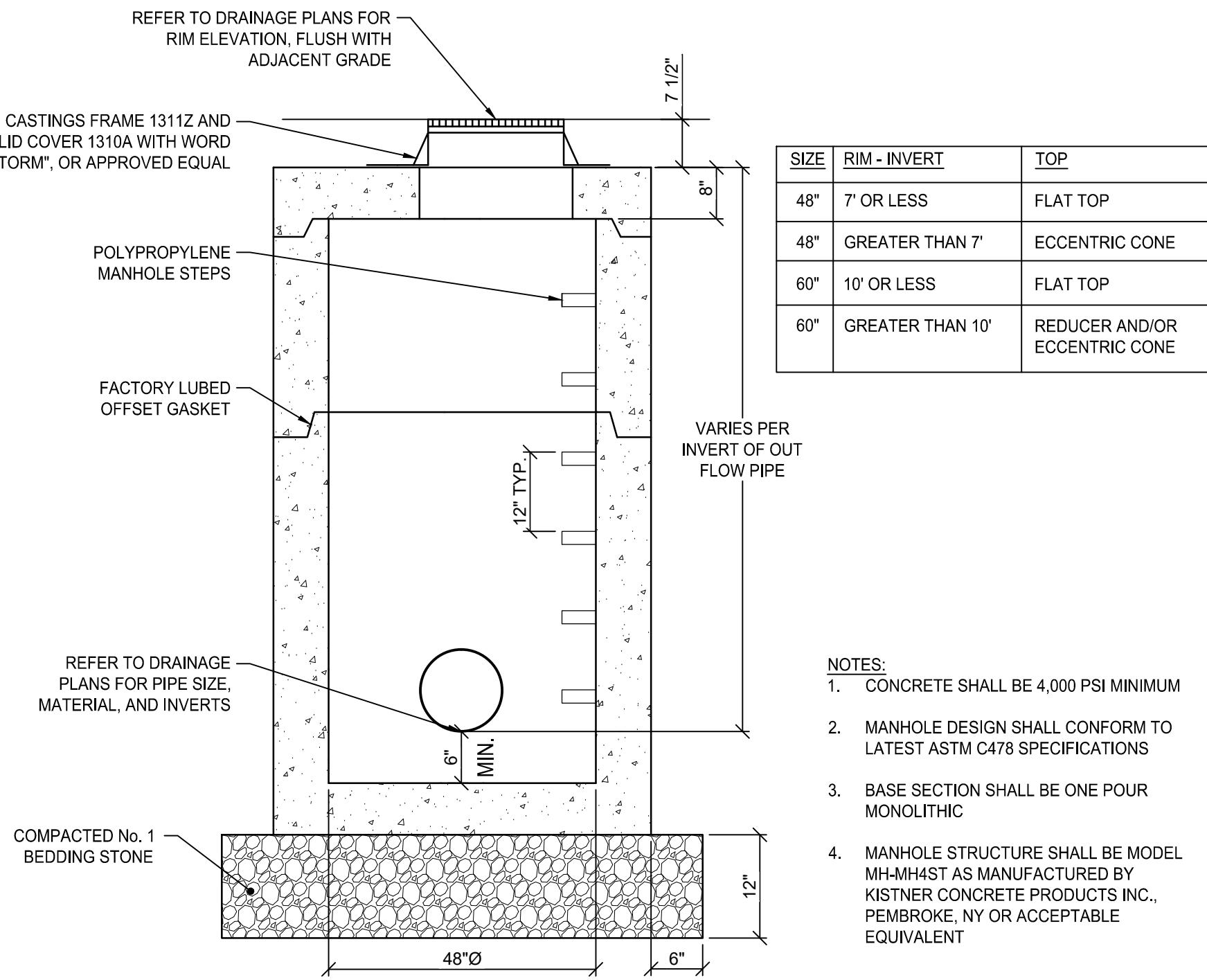
1 CATCH BASIN DETAIL

NTS



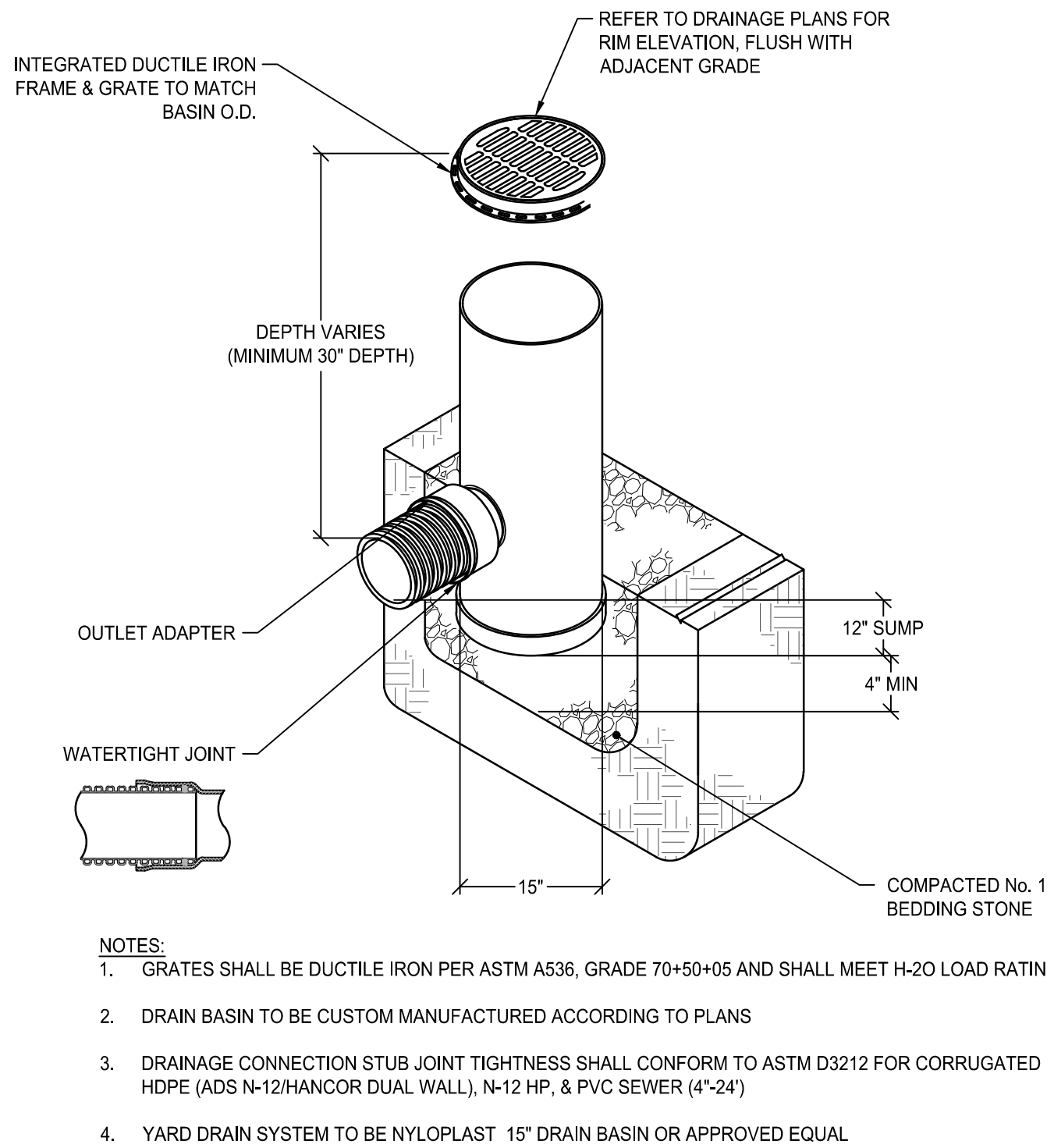
5 STORM CLEANOUT DETAIL

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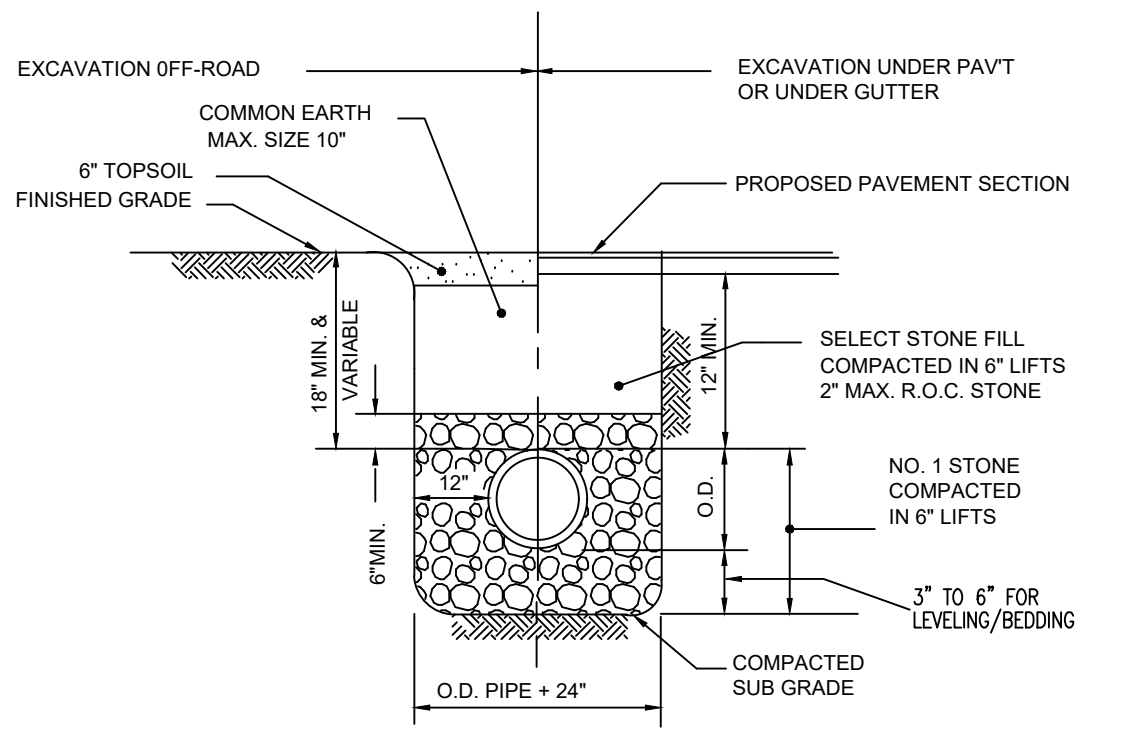
2 STORM MANHOLE DETAIL

NTS



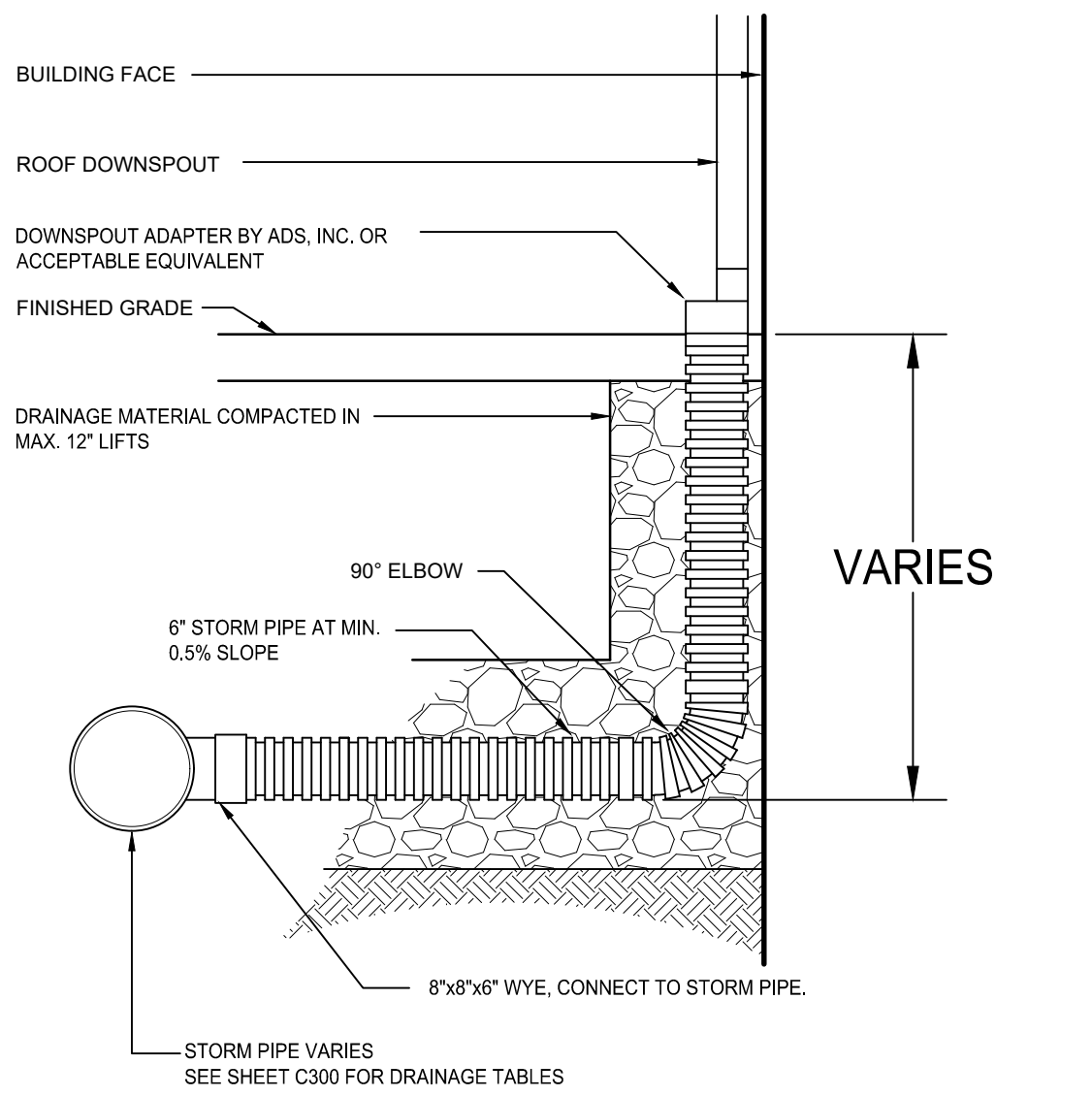
6 DRAIN BASIN DETAIL

SCALE: N.T.S.



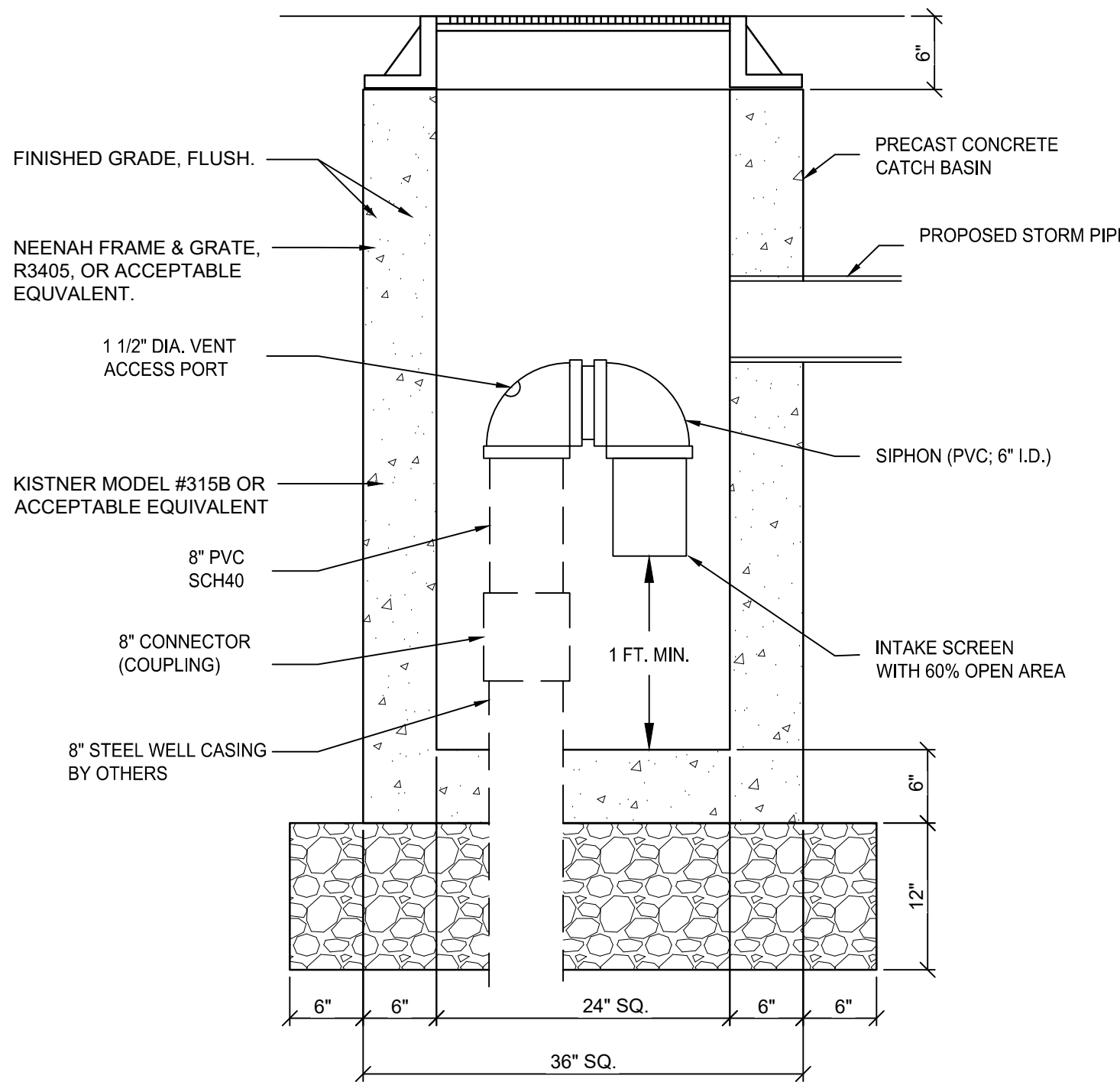
3 STORM SEWER TRENCH DETAIL

NTS



4 DOWNSPOUT COLLECTOR

NTS



- NOTES:
1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL STATUTES REGARDING THE PREVENTION AND ABATEMENT OF SOIL EROSION, SEDIMENTATION, WATER POLLUTION, AND PRESERVATION OF EXISTING AQUIFERS.
 2. ON A SEMI-ANNUAL BASIS, INSPECT & CLEAN CATCH BASINS AND REPAIR INTEGRITY OF SIPHON AND CONNECTOR. IF REQUIRED, EVERY TWO-THREE YEARS, IT IS RECOMMENDED THAT THE DRAINAGE WELLS BE FLUSHED AND SURGED WITH AIR OR WATER. IF DURING STORM EVENTS, A DRAINAGE WELL APPEARS TO BE MALFUNCTIONING, THE DRAINAGE WELL SHOULD BE INSPECTED TO DETERMINE THE CAUSE FOR MALFUNCTIONING AND SUBSEQUENTLY REPAIRED.

7 DRAINAGE CLASS V INJECTION WELL & STRUCTURE

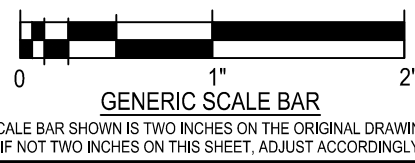
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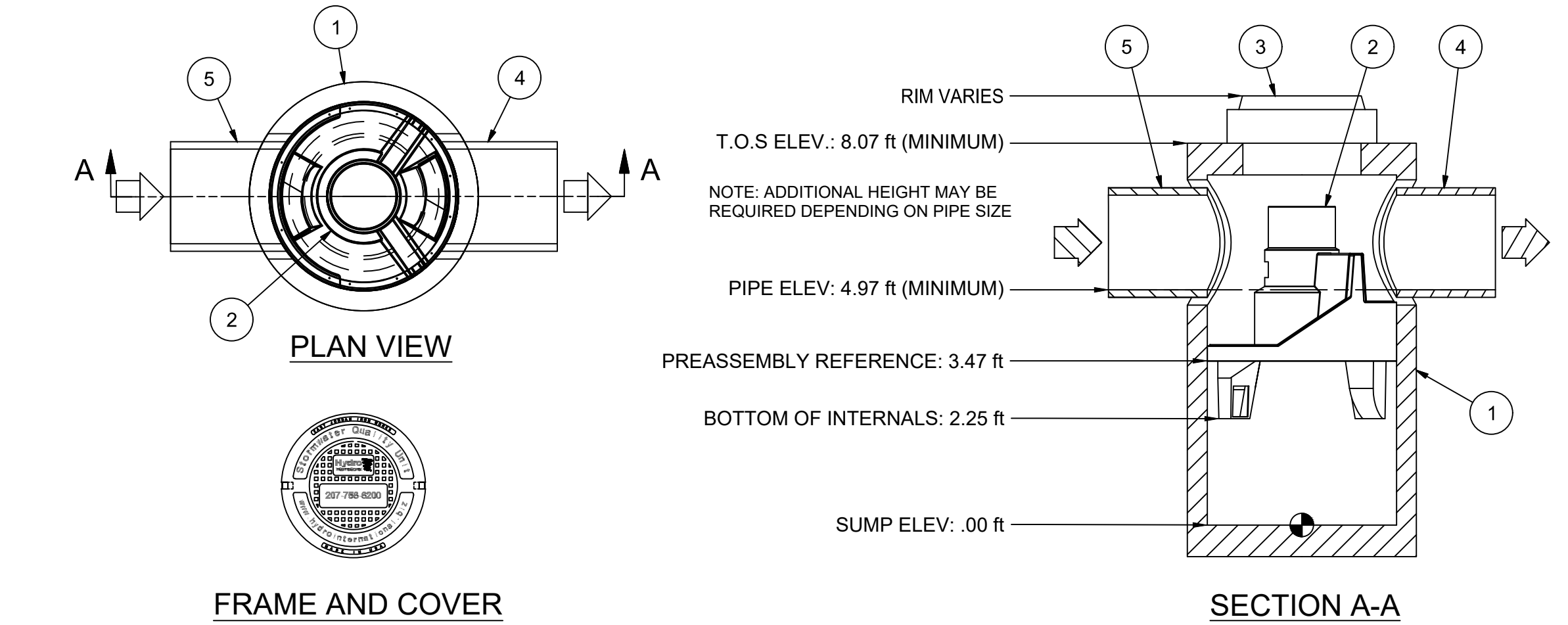
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0	ISSUED FOR BID		11-27-2024

DWG. TITLE

STORM DETAILS



DATE	11/27/2024
SCALE	AS NOTED
DWN.	CC1
PROJ. No.	279806
DWG. No.	



PRODUCT SPECIFICATION:

- Peak Hydraulic Flow: 18.0 cfs (510 l/s)
- Min Sediment Storage Capacity: 0.7 cu. yd. (0.5 cu. m.)
- Maximum Inlet/Outlet Pipe Diameters: 24 in. (600 mm)
- The Treatment System Shall Use An Induced Vortex To Separate Pollutants From Stormwater Runoff.
- For More Product Information Including Regulatory Acceptances, Please Visit <https://hydro-int.com/en/products/first-defense>

GENERAL NOTES:

- General Arrangement drawings only. Contact Hydro International for site specific drawings.
- The diameter of the inlet and outlet pipes may be no more than 24".
- Multiple inlet pipes possible (refer to project plan).
- Inlet/outlet pipe angle can vary to align with drainage network (refer to project plans).
- Peak flow rate and minimum height limited by available cover and pipe diameter.
- Larger sediment storage capacity may be provided with a deeper sump depth.

PARTS LIST					
ITEM	QTY	SIZE (in)			DESCRIPTION
1	1	48			I.D. PRECAST MANHOLE
2	1				INTERNAL COMPONENTS (PRE-INSTALLED)
3	1	30			FRAME AND COVER (ROUND)
4	1	6 (MAX)			OUTLET PIPE (BY OTHERS)
5	1	6 (MAX)			INLET PIPE (BY OTHERS)

CONTRACTOR TO CONFIRM RIM, PIPE INVERTS, PIPE DIA. AND PIPE ORIENTATION PRIOR TO RELEASE OF UNIT TO FABRICATION.

1 HYDRODYNAMIC SEPARATOR DETAIL

NTS

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DWG. TITLE

STORM DETAILS

1. THE PROJECT SPECIFICATIONS ARE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS AND WILL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND GENERAL NOTES. IN CASES, IF ANY, WHERE REQUIREMENTS INDICATED ON THE ARCHITECTURAL DRAWINGS DIFFER FROM THE SPECIFICATIONS, NOTIFY THE ARCHITECT.

2. UNLESS OTHERWISE NOTED, DETAILS, SECTIONS AND NOTES CONTAINED IN THE ARCHITECTURAL CONTRACT DOCUMENTS WILL BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS EVEN IF NOT EXPLICITLY REFERENCED.

3. DEFICIENT WORK AND/OR WORK NOT IN CONFORMANCE WITH THE CONTRACT DOCUMENTS WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR WILL REIMBURSE THE PARTIES REQUIRED FOR PERFORMING THE DESIGN SERVICES ARISING FROM DEFICIENT WORK, REVIEW OF MODIFICATIONS/CONTRACTOR SUBSTITUTION OR EXPEDITING OF SUBMITTALS.

4. COST OF INVESTIGATION AND/OR REDESIGN INCURRED BY THE ARCHITECT DUE TO CONTRACTOR ERRORS WILL BE AT THE CONTRACTOR'S EXPENSE.

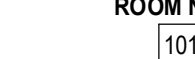
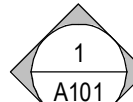
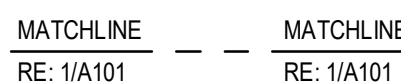
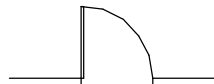
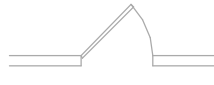
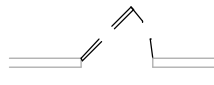
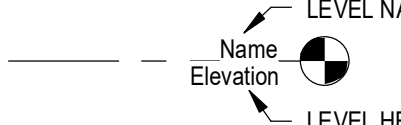
5. VERIFY IN THE FIELD (V/F) ALL EXISTING JOB CONDITIONS, REVIEW ALL CONTRACT DRAWINGS, AND VERIFY DIMENSIONS AND ELEVATIONS NOTED IN THE CONTRACT DOCUMENTS PRIOR TO THE START OF WORK.

6. USE ONLY DIMENSIONS INDICATED ON THE DRAWINGS. DO NOT SCALE THESE DRAWINGS OR USE DIMENSIONS OBTAINED FROM ELECTRONIC DRAWING OR MODEL FILES, IF PROVIDED.

ACE	AIR CONDITION	EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
ACP	ACOUSTICAL CEILING PANEL	EJFS	EXPANSION JOINT
ACS DR	ACCESS DOOR	EL	ELEVATION
ACS PNL	ACCESS PANEL	ELEC	ELECTRICAL
ACT	ACOUSTICAL CEILING TILE	ELEV	ELEVATOR
ADA	AMERICANS WITH DISABILITIES ACT	ENCL	ENCLOSURE
ADJ	ADJACENT/ADJUSTABLE	EP	ELECTRICAL PANEL
AF	ABOVE FINISHED FLOOR	EPDM	ETHYLENE PROPYLENE DIENE MONOMER
AHU	AIR HANDLING UNIT	EQ	EQUAL
ALT	ALTERNATE	EQU	EQUIPMENT
ALUM	ALUMINUM	ETC	ET CETERA
ANOD	ANODIZE	EW	ELECTRIC WATER COOLER
ANT	ANTENNA	EXH FN	EXHAUST FAN
AOR	AREA OF REFUGE	EXP	EXPANSION/EXPOSED
APPROX	APPROXIMATELY	EXST	EXISTING
ARCH	ARCHITECT	EXT	EXTERIOR
ASSY	ASSEMBLY	EXTRU	EXTRUSION
AV	AUDIO VISUAL	F/F	FACE TO FACE
BD	BOARD	FD	FLOOR DRAIN
BLDG	BUILDING	FDTN	FOUNDATION
BOT	BOTTOM	FE	FIRE EXTINGUISHER
BRG	BEARING	FEC	FIRE EXTINGUISHER CABINET
BSMT	BASEMENT	FF	FINISHED FACE
BTWN	BETWEEN	FHC	FIRE HOSE CABINET
BUR	BUILT UP ROOFING	FIN	FINISH
C TO C	CENTER TO CENTER	FIN FLR	FINISHED FLOOR
CAB	CABINET	FLASH	FLASHING
CB	CATCH BASIN	FLR	FLOOR
CDCT	CIRCULAR DUCT	FOC	FACE OF CONCRETE
CFMF	COLD-FORMED METAL FRAMING	FOM	FACE OF MASONRY
CG	CORNER GUARD	FR	FRAME
CGFSU	CERAMIC GLAZED STRUCTURAL FACING UNITS	FRG	FIBER REINFORCED GYPSUM
CH	COAT HOOK	FSS	FOLDING SHOWER SEAT
CH BD	CHALK BOARD	FT	FEET/FOOT
CJ	CONTROL JOINT	FURG	FURRING
CL	CENTER LINE	G	NATURAL GAS
CLG	CEILING	GA	GAGE
CLO	CLOSET	GALV	GALVANIZED
CLOS	CLOSURE	GB	GRAB BAR
CLR	CLEAR	GC	GENERAL CONTRACTOR
CLRM	CLASSROOM	GDR	GUARD RAIL
CMU	CONCRETE MASONRY UNIT	GFCI	GROUND FAULT CIRCUIT INERRUPTR
CO	CLEANOUT	GL	GLASS
COL	COLUMN	GLZ CMU	GLAZED CONCRETE MASONRY UNIT
CONC	CONCRETE	GYP	GYPSUM
CONF	CONFERENCE	GYP BD	GYPSUM WALLBOARD
CONSTR	CONSTRUCTION	H	HIGH
CONT	CONTINUE	HB	HOSE BIBB
CONTR	CONTRACTOR	HC	HANDICAP
COORD	COORDINATE	HD	HAND DRYER
CORR	CORRIDOR	HDW	HARDWARE
CPRS	COMPRESSIBLE	HM	HOLLOW METAL
CPT	CARPET	HORIZ	HORIZONTAL
CT	CERAMIC TILE	HPC	HIGH PERFORMANCE COATING
CTB	CERAMIC TILE BASE	HPT	HIGH POINT
CUST	CUSTOMER	HS	HOT STACK
D	DEEP/DEPTH	HT	HEIGHT
DBL	DOUBLE	HVAC	HEATING
DEMO	DEMOLITION	HYD	HYDRANT
DEPT	DEPARTMENT	ID	INSIDE DIAMETER
DET	DETAIL	IF	INSIDE FACE
DF	DRINKING FOUNTAIN	INCL	INCLUDED
DIA	DIAMETER	INSUL	INSULATION
DIAG	DIAGONAL	INSUL PNL	INSULATED METAL PANEL
DIM	DIMENSION	INT	INTERIOR
DN	DOWN	JANIT	JANITOR
DPTN	DEMOUNTABLE PARTITION	LAB	LABORATORY
DR	DOOR	LAM	LAMINATE
DS	DOWNSPOUT	LAV	LAVATORY
DWG	DRAWING	LF	LINEAR FEET (FOOT)
E	EAST	LH	LEFT HAND
EA	EACH	LHR	LEFT HAND REVERSE
EF	EACH FACE	LIN	LINEAR
		LLH	LONG LEG HORIZONTAL

V	LONG LEG VERTICAL	SCD	SEAT COVER DISPENSER
LNDSCP	LANDSCAPE	SCHED	SCHEDULE
LOC	LOCATION	SD	SOAP DISPENSER
LPT	LOW POINT	SECT	SECTION
LVT	LUXURY VINYL TILE	SF	SQUARE FOOT (FEET)
MATL	MATERIAL	SHR	SHOWER
MAX	MAXIMUM	SHT	SHEET
MECH	MECHANICAL	SHTHG	SHEATHING
MEP	MECHANICAL	SHV	SHELVING
MEZZ	MEZZANINE	SHW	SHOWER
MFR	MANUFACTURER	SLNT	SEALANT
MIN	MINIMUM	SND	SANITARY NAPKIN DISPENSER
MIRR	MIRROR	SNDU	SANITARY NAPKIN DISPOSAL UNIT
MISC	MISCELLANEOUS	SP	STAND PIPE
MO	MASONRY OPENING	SP FIN	SPECIAL FINISH
MOD BIT	MODIFIED BITUMEN	SPEC	SPECIFICATION
MTD	MOUNTED	SQ	SQUARE
MTL	METAL	SS	STORM SEWER
MTLP	METAL PARTITION	SSM	SOLID SURFACE MATERIAL
N	NORTH	SST	STAINLESS STEEL
NA	NOT APPLICABLE	STC	SOUND TRANSMISSION CLASS
NIC	NOT IN CONTRACT	STD	STANDARD
NO	NUMBER	STL	STEEL
NRC	NOISE REDUCTION COEFFICIENT	STRUCT	STRUCTURAL
NTS	NOT TO SCALE	SUSP	SUSPEND
OC	ON CENTER	SV	SHEET VINYL/SMOKE VENT
OD	OUTSIDE DIAMETER	SYMM	SYMMETRICAL
OFICI	OWNER FURNISHED/CONTRACTOR	T	TREAD
OFF	INSTALLED	T&B	TOP AND BOTTOM
OH	OVERHANG	T&G	TONGUE AND GROOVE
OPH	OPPOSITE HAND	TB	TOWEL BAR
OPNG	OPENING	TD	TRENCH DRAIN/TOWEL DISPENSE
OPP	OPPOSITE	TDH	TOWEL DISPENSER/RECEPTACLE
OS	OCCUPANCY SENSOR	TEL	TELEPHONE
P	PIPE	TER	TERRAZZO
PCC	PRECAST CONCRETE	THK	THICKNESS
PEJ	PREMOLOD EXPANSION JOINT	TK BD	TACK BOARD
PERF	PERFORATED	TCO	TOP OF CURB/TOP OF CONCRETE
PL	PROPERTY LINE	TOJ	TOP OF JOIST
PLAM	PLASTIC LAMINATE	TOP	TOP OF PARAPET
PLBG	PLUMBING	TOS	TOP OF STEEL
PLYWD	PLYWOOD	TOW	TOP OF WALL
PORC	PORCELAIN	TPH	TOWEL PIN
PP	POWER POLE	TPH	TOWEL PAPER HOLDER
PREF	PREFINISH	TPO	THERMOPLASTIC POLYOLEFIN
PREFAB	PREFABRICATE	TPTN	TILE PARTITION
PT	PAINT	TRTD	TREATED
PTD	PAPER TOWEL DISPENSER	TV	TELEVISION
PTN	PARTITION	TRP	TYPICAL
PVC	POLYVINYL CHLORIDE	UH	UNIT HEATER
QT	QUARRY TILE	UL	UNDERWRITERS LABORATORIES
QTY	QUANTITY	UNFIN	UNFINISH
R	RADIUS/RISER/THERMAL RESISTANCE	UNO	UNLESS NOTED OTHERWISE
RB	RUBBER BASE	UR	URNAL
RCB	REFLECTED CEILING PLAN	UTIL	UTILITY
RD	ROOF DRAIN	VB	VINYL BASE
RECPT	RECEPTACLE	VCT	VINYL COMPOSITION TILE
REF	REFERENCE/REFRIGERATOR	VERT	VERTICAL
REINF	REINFORCE	VEST	VESTIBULE
REQD	REQUIRED	VIF	VERIFY IN FIELD
RESIL	RESILIENT	VP	VENT PIPE
RET	RETURN	VS	VACANCY SENSOR
ROG	ROOFING	VTR	VENT THROUGH ROOF
RH	ROOF HATCH/RIGHT HAND	VWC	VINYL WALL COVERING
RHR	RIGHT HAND REVERSE	W	WEST/WIDE
RL	ROOF LEADER	WI	WITH
RM	ROOM	W/O	WITHOUT
RO	ROUGH OPENING	WBL	WOOD BLOCKING
RR	RAILROAD	WC	WATER CLOSET
RTU	ROOF TOP UNIT	WD	WOOD
RV	ROOF VENT	WH	WATER HEATER
S	SOUTH	WWR	WELDED WIRE REINFORCEMENT
SA	SUPPLY AIR		
SC	SOLID CORE		

	WALL SECTION REFERENCE
	BUILDING SECTION REFERENCE
	COLUMN CENTERLINE
	EXISTING COLUMN CENTERLINE
	CENTERLINE
	BREAK LINE
	ENLARGED DETAIL REFERENCE
	1-HR FIRE RATING
	2-HR FIRE RATING
	3-HR FIRE RATING
	1-HR FIRE/SMOKE RATING
	CONSTRUCTION NOTE
	DEMOLITION NOTE
	REVISION TAG
	SIGNAGE TAG

	ROOM NAME AND NUMBER
	VIEW TITLE - DETAIL NUMBER
	BUILDING ELEVATION REFERENCE
	INTERIOR ELEVATION REFERENCE
	DOOR NUMBER
	WINDOW / LOUVER NUMBER
	MATCHLINE REFERENCE
	NEW WALL
	EXISTING WALL TO REMAIN
	EXISTING WALL TO BE REMOVED
	NEW DOOR OPENING
	EXISTING DOOR OPENING TO REMAIN
	EXISTING DOOR AND FRAME TO BE REMOVED
	LEVEL NAME ELEVATION REFERENCE LEVEL HEIGHT
	WORKING POINT

	FACE BRICK		ACOUSTICAL CEILING TILE OR PANEL		SHIM		STEEL
	CONCRETE MASONRY UNIT		MASONRY IN ELEVATION		FINISHED WOOD		EARTH
	FOAM PLASTIC BOARD INSULATION		PLYWOOD		GYPSON BOARD / GROUT		SOLID SURFACE / CAST STONE
	BLANKET INSULATION		GRAVEL		CONCRETE OR PRECAST CONCRETE		
	CONTINUOUS WOOD		FOAMED IN PLACE INSULATION		STONE		



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DWG. TITLE

GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING.
IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 11/27/24

SCALE As indicated

DWN. JAP CHK. JAP

PROJ. No. 279806

DING, N.

A001

APPLICABLE CODES

2020 BUILDING CODE OF NYS
AMERICANS WITH DISABILITIES ACT

BUILDING INFORMATION - BLEACHERS

1. OCCUPANCY CLASSIFICATION: A-5
2. CLASSIFICATION OF WORK: NEW

BUILDING INFORMATION - PRESS BOX

1. OCCUPANCY CLASSIFICATION: U
2. BUILDING DESCRIPTION / TYPE OF CONSTRUCTION: NEW VA

CODE ANALYSIS SYMBOL LEGEND

SYMBOL	MEANING	SYMBOL	MEANING
	EGRESS WIDTH (INCHES)		RESCUE WINDOW
	DOOR NUMBER		FIRE EXTINGUISHER
	EXIT CAPACITY		SURFACE MOUNTED FIRE EXTINGUISHER CABINET
	ANTICIPATED LOAD		ELECTROMAGNETIC HOLD OPEN
	TRAVEL DISTANCE (FT)/ROUTE OF EXIT ACCESS TO FLOOR SEPARATION		DRINKING FOUNTAIN
	ROOM NAME		1 HOUR FIRE BARRIER
	ROOM NUMBER		2 HOUR FIRE BARRIER
	SQUARE FOOTAGE		
	OCCUPANT LOAD		
	REQUIRED EXIT WIDTH (INCHES)		
	BUILDING ENTRANCE		
	STAIR EGRESS		
	EGRESS WIDTH (INCHES)		
	EXIT CAPACITY		
	ANTICIPATED LOAD		

State University of New York

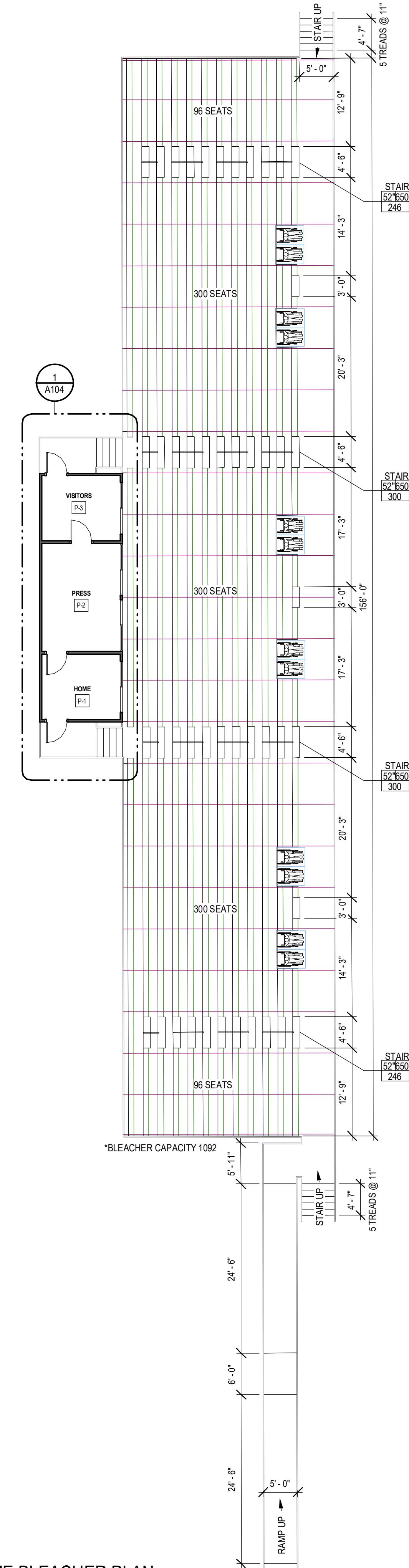
SUNY EIRE

6205 MAIN ST.
WILLIAMSVILLE NY 14221

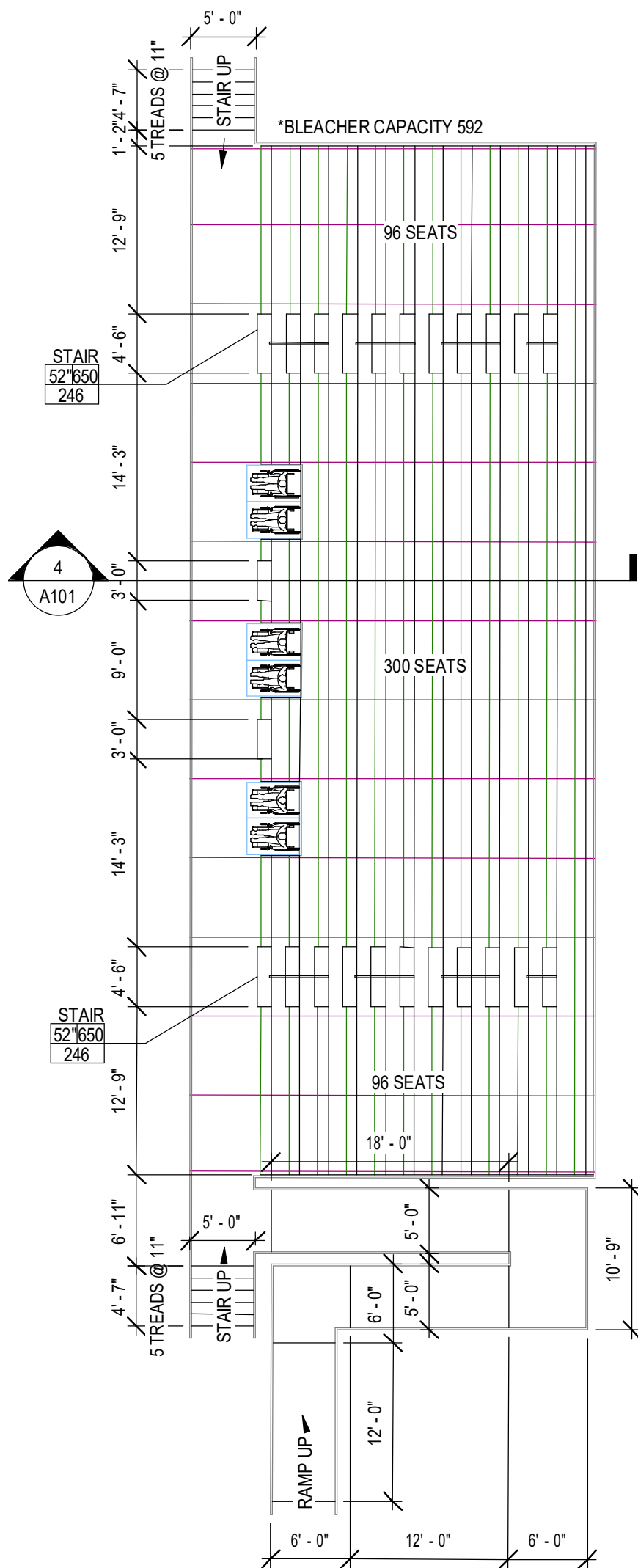
ISSUED FOR BID

SPORTS PLAYING FIELD
PROJECT PHASE 1

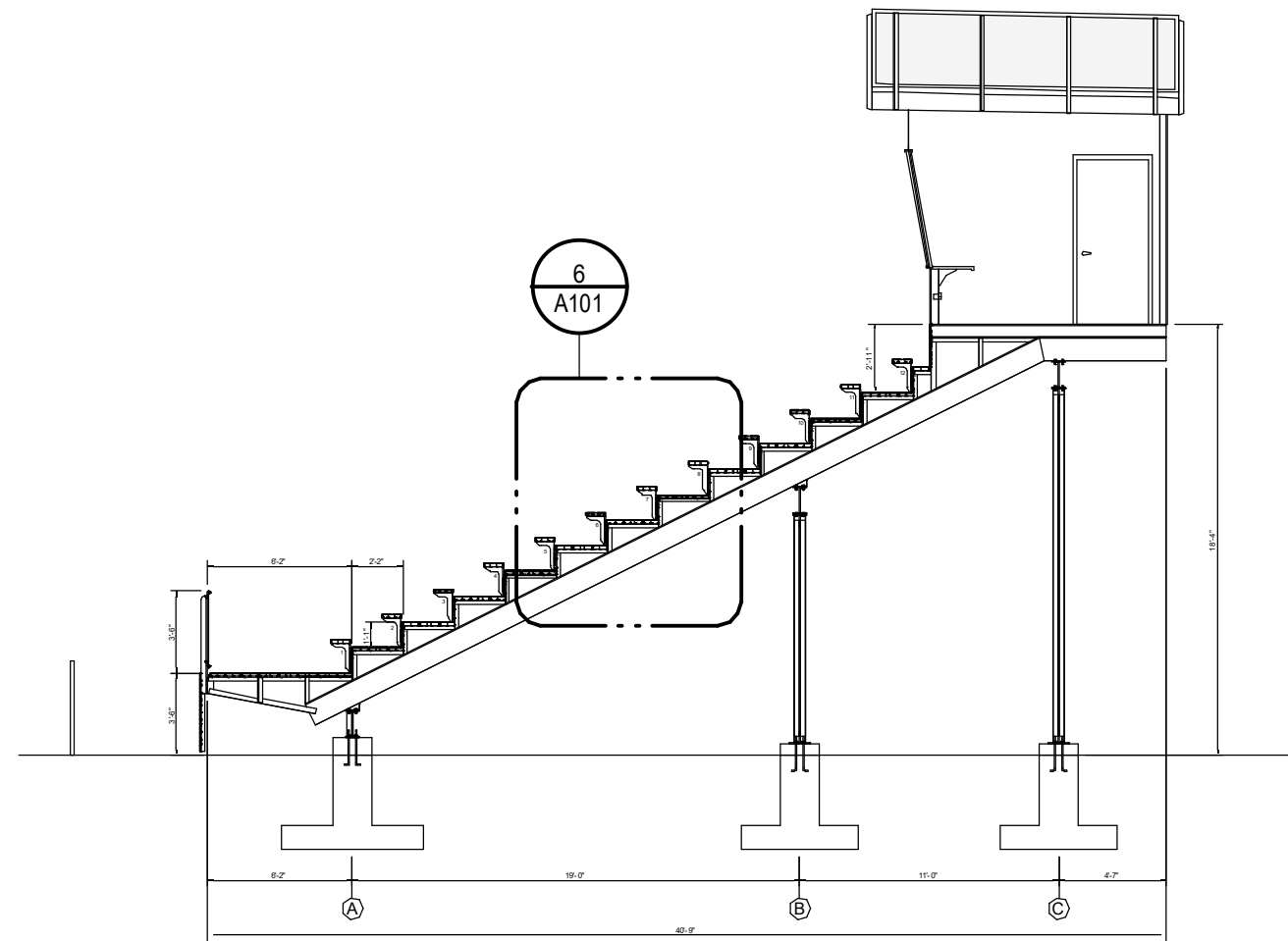
Centerpointe Corporate Park
375 Essay Road, Suite 200
Williamsville, NY 14221
www.wendelcompanies.com
p:716.688.0766 f:877.293.6335
Wendel WD Architecture, Engineering, Surveying and
Landscape Architecture, P.C.



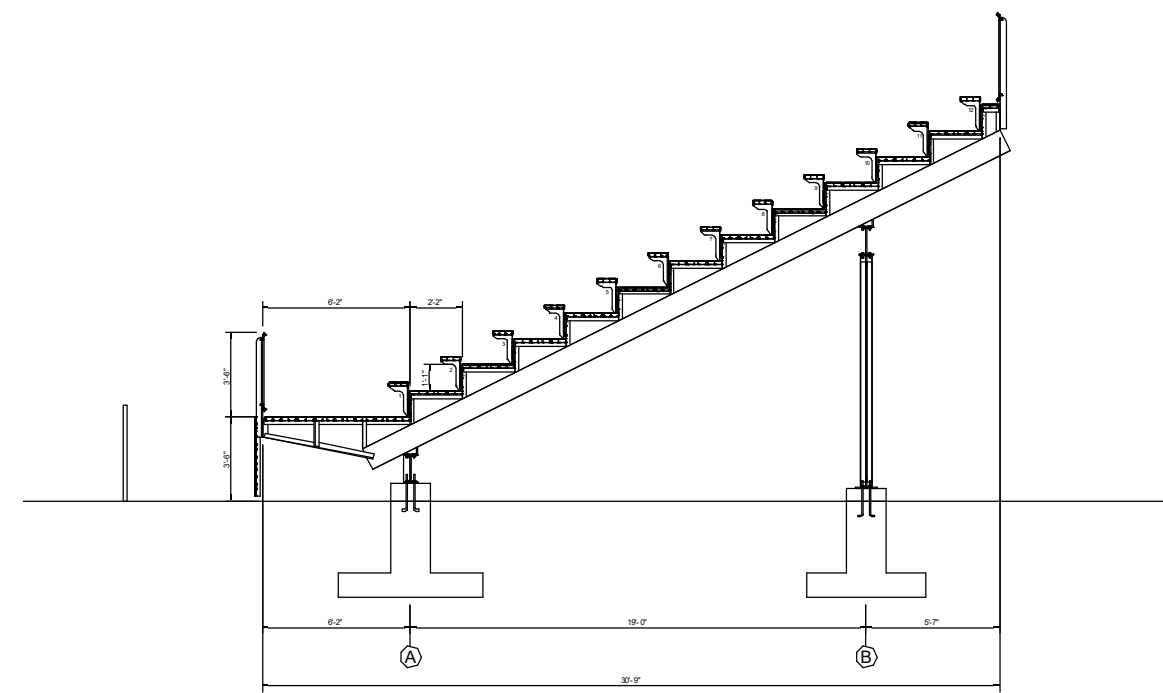
1 HOME BLEACHER PLAN
SCALE: 3/32" = 1'-0"



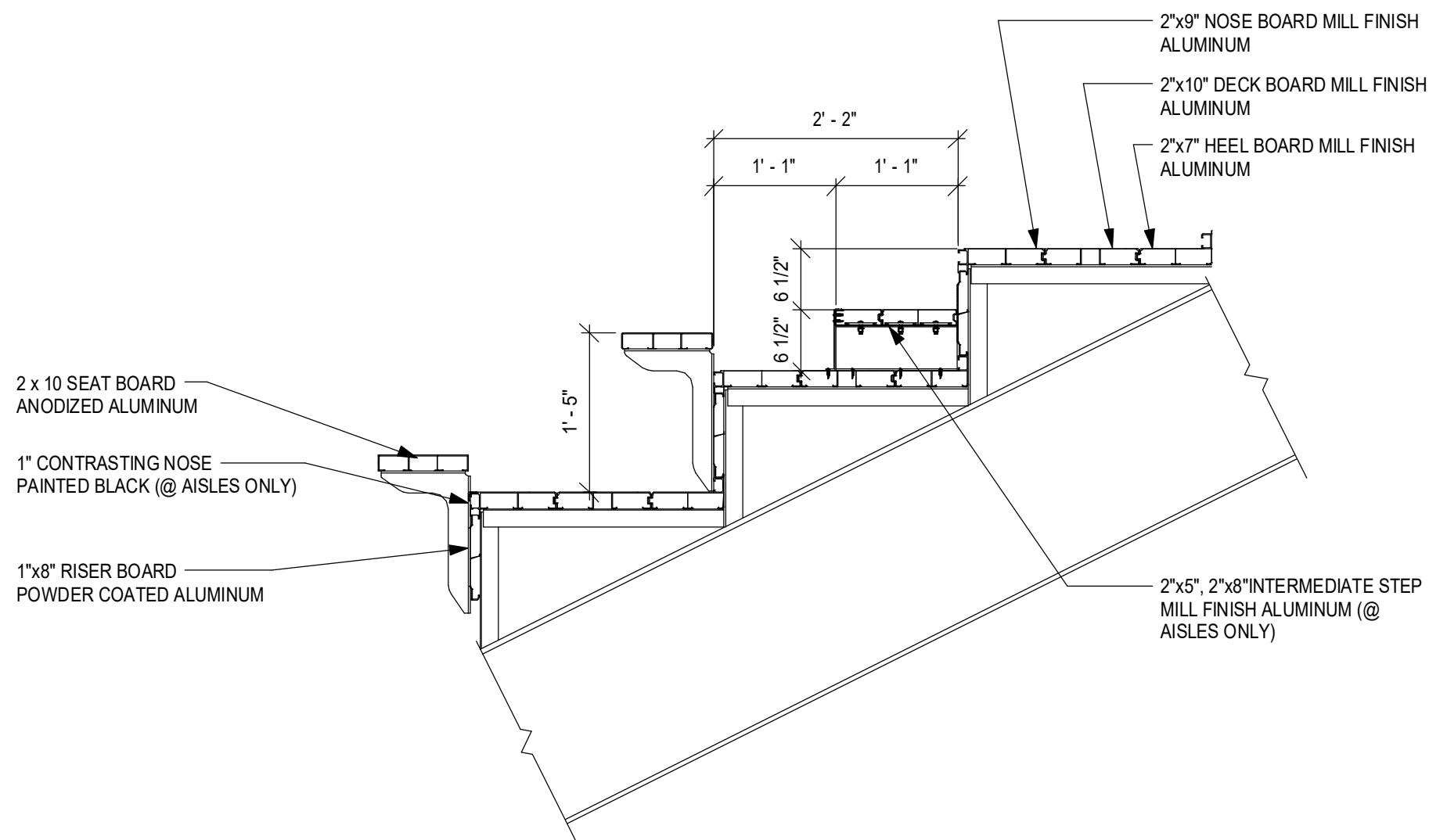
2 AWAY BLEACHER PLAN
SCALE: 3/32" = 1'-0"



5 HOME - BLEACHER SECTION
SCALE: 1/8" = 1'-0"



4 AWAY - BLEACHER SECTION
SCALE: 1/8" = 1'-0"



6 DECKING DETAIL
SCALE: 3/4" = 1'-0"

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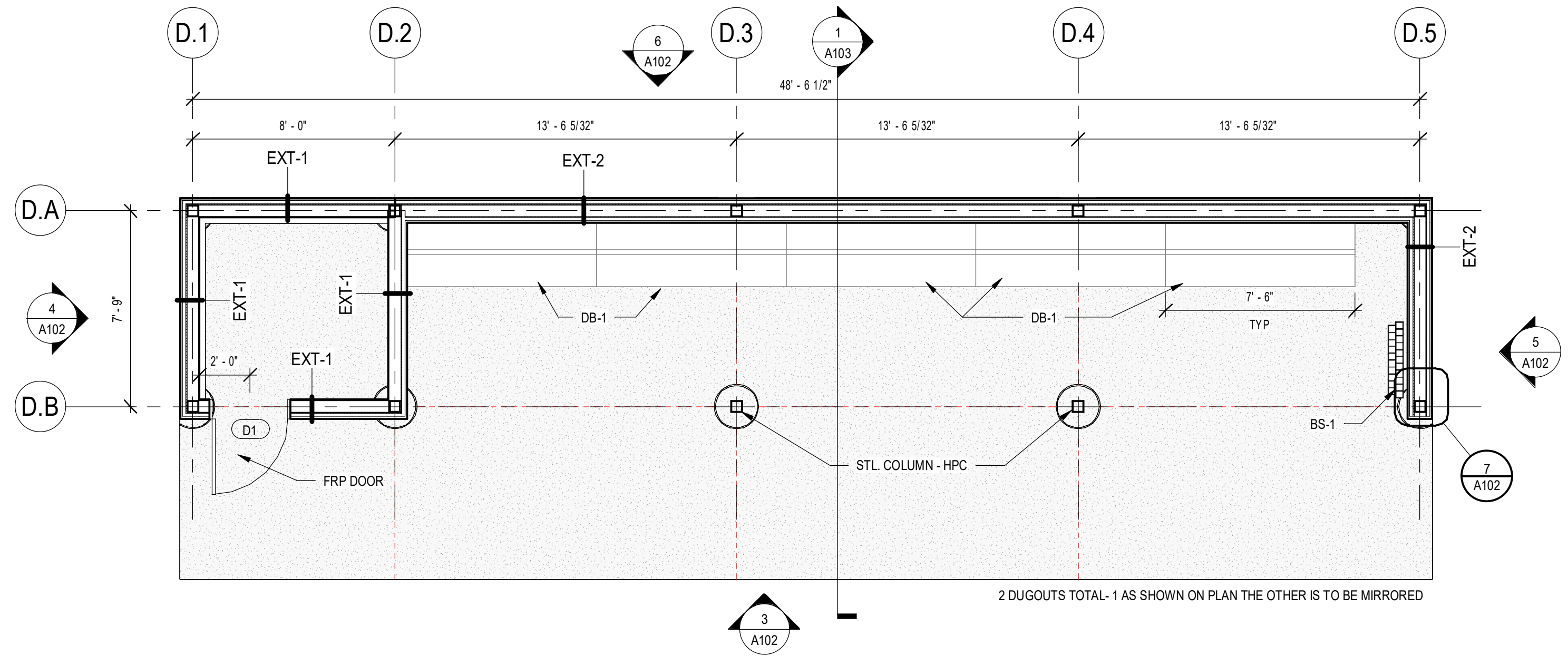
NO.	REVISIONS	DATE
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BLEACHER PLANS

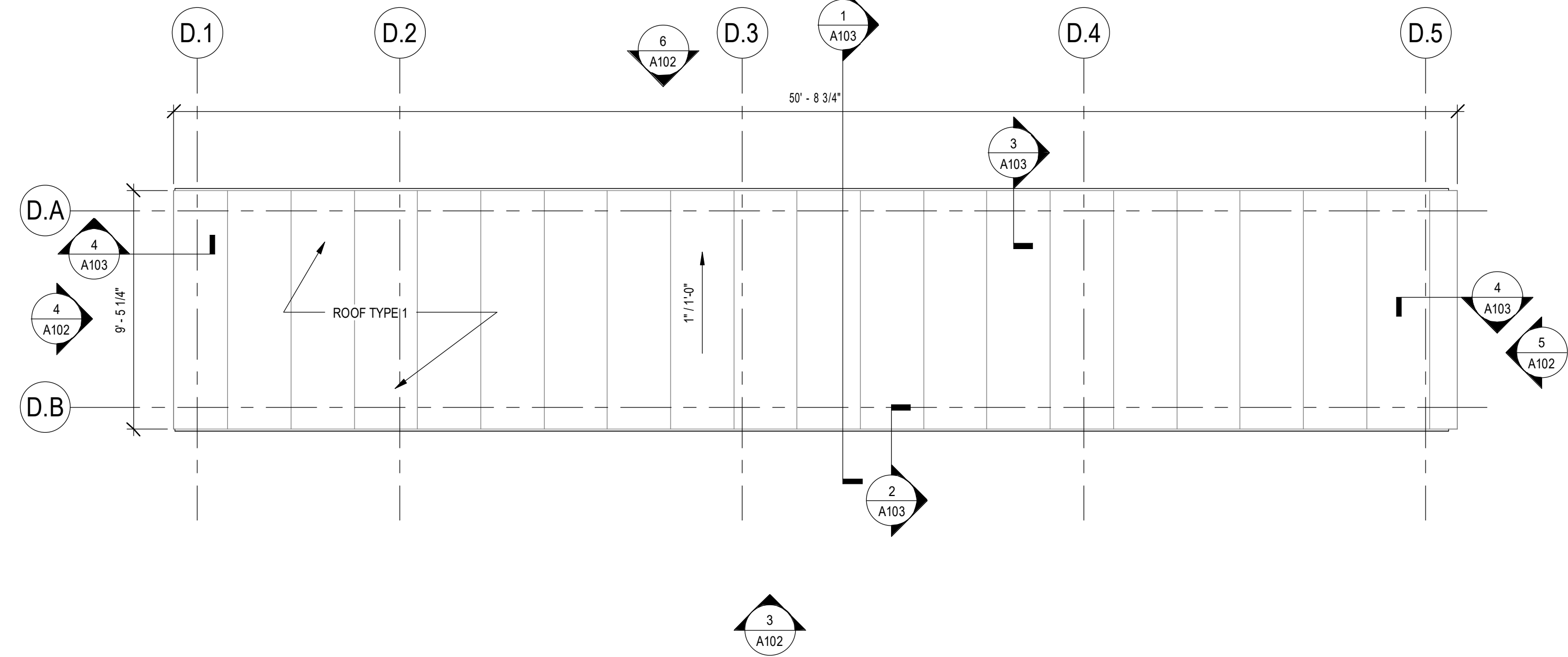
0 1 2
GENERIC SCALE BAR
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DATE 11/27/24
SCALE As indicated
DWN. JAP CHK. JAP
PROJ. No. 279806
DWG. No.

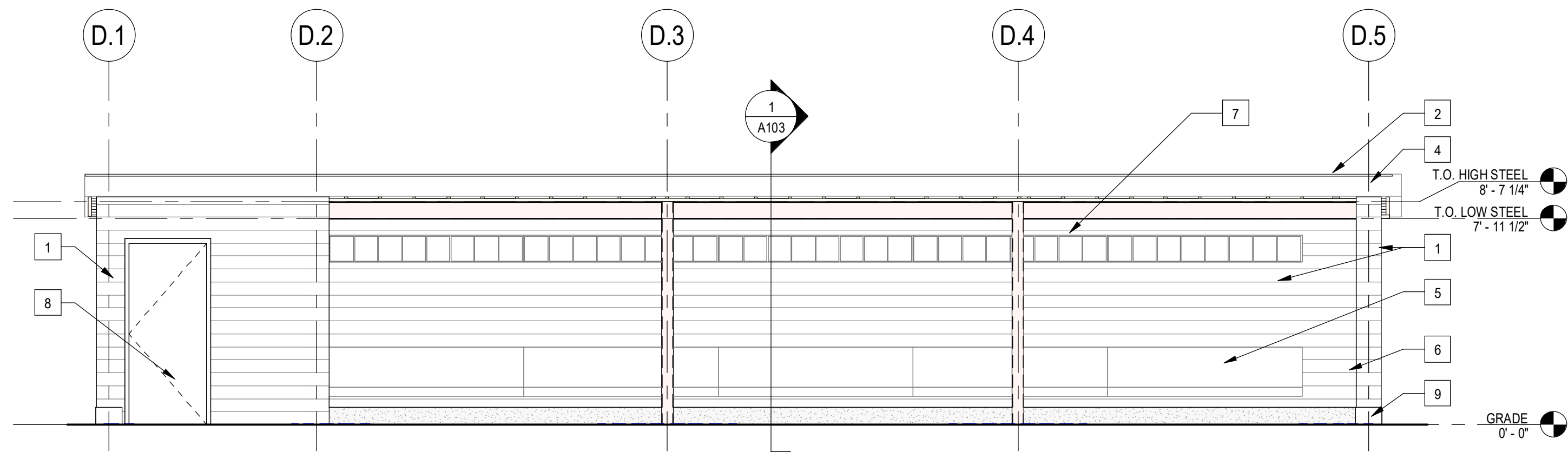
A101



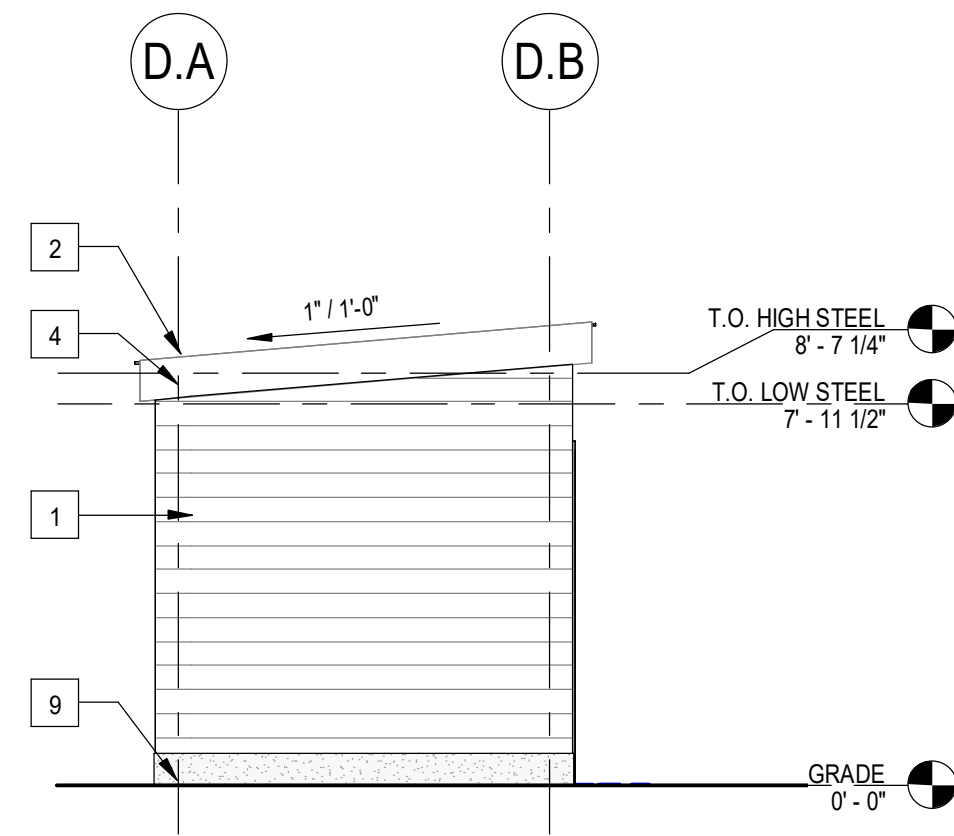
1 DUGOUT PLAN
SCALE: 1/4" = 1'-0"



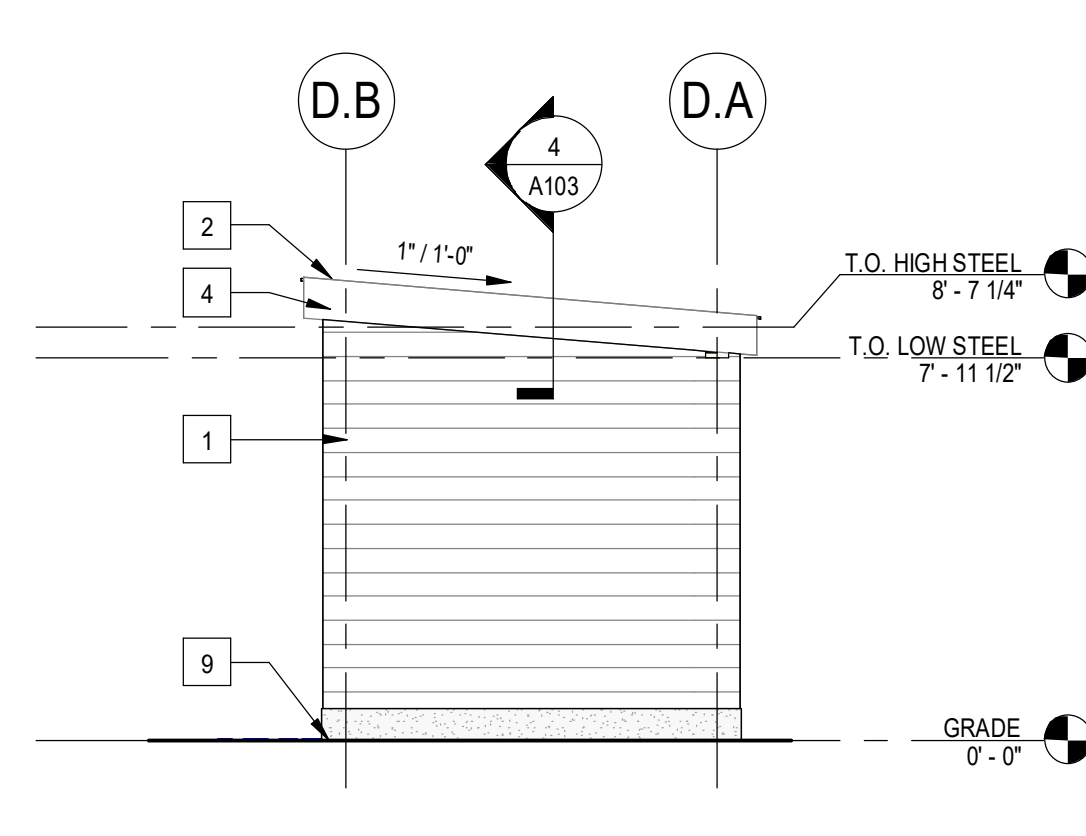
2 DUGOUT ROOF PLAN
SCALE: 1/4" = 1'-0"



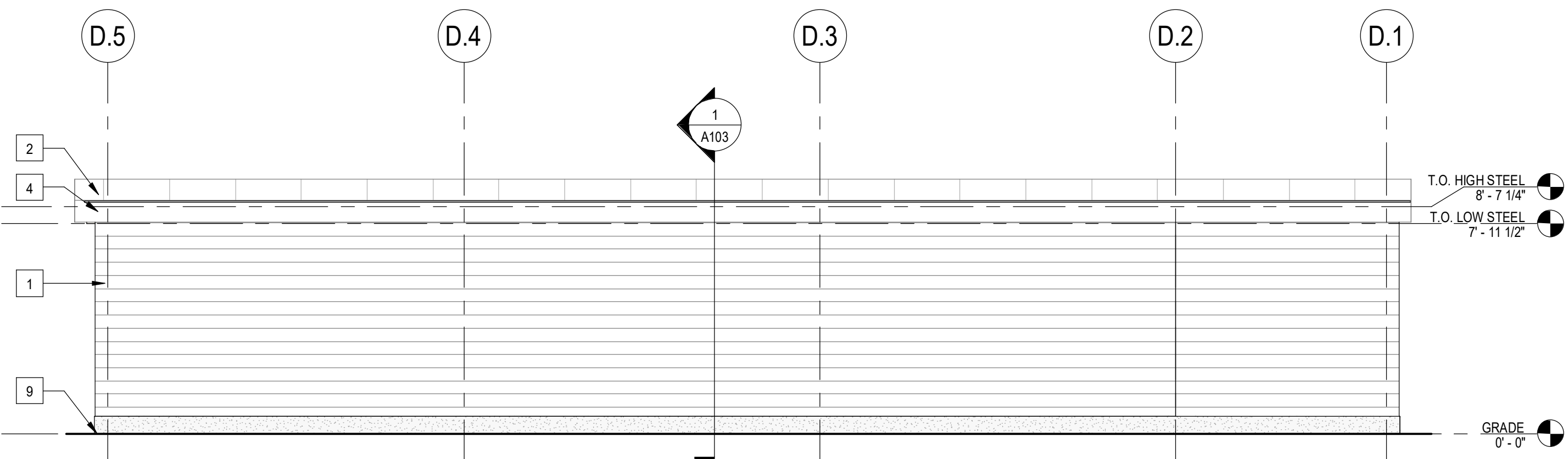
3 NORTH ELEVATION - DUGOUT
SCALE: 1/4" = 1'-0"



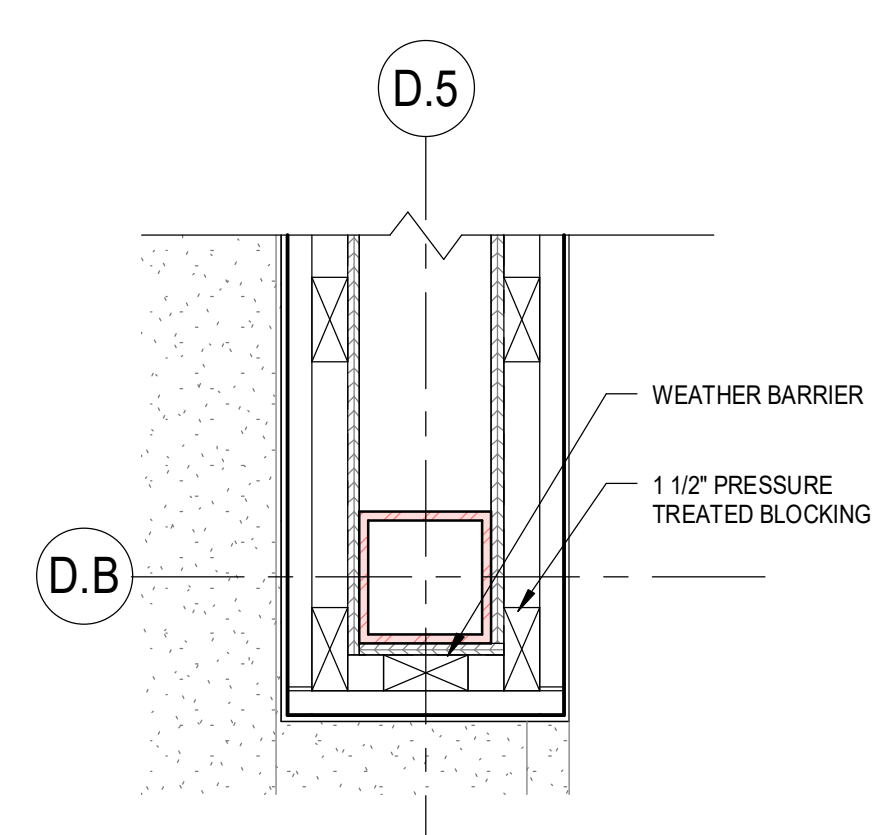
4 WEST ELEVATION - DUGOUT
SCALE: 1/4" = 1'-0"



5 EAST ELEVATION - DUGOUT
SCALE: 1/4" = 1'-0"



6 SOUTH ELEVATION - DUGOUT
SCALE: 1/4" = 1'-0"



7 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

PRODUCT BASIS OF DESIGN

- DB-1 DUGOUT BENCH**
MANF: ACHILLION SPORTS
MODEL: EAGLE DUGOUT BENCH
SIZE: 90" L X 34 1/4" H X 28" D
COLOR: AS SELECTED BY OWNER
- HS-1 HELMET STORAGE**
MANF: ACHILLION SPORTS
MODEL: GEARY DUGOUT STORAGE RACK
SIZE: 78" L X 11 1/4" D X 16" H
COLOR: AS SELECTED BY OWNER
- BS-1 BAT STORAGE**
MANF: ACHILLION SPORTS
MODEL: VERTICAL BASEBALL BAT/SOFTBALL BAT STORAGE RACK
SIZE: 21 BATS - 46 1/4" W X 16" H X 7 3/8" D
COLOR: AS SELECTED BY OWNER

*OR APPROVED EQUAL

ELEVATION NOTES

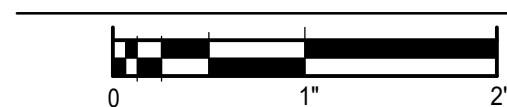
- TREX CLADDING MATERIAL
A. MANUF: TREX
B. STYLE: CLADDING
C. SIZE: 1" x 6" x 20'-0"
D. COLOR: TBD
- STANDING SEAM METAL ROOF
- TREX CLADDING SOFFIT PLANK
- ALUMINUM FASCIA
- DUGOUT BENCH ; DB-1
- BAT STORAGE ; BS-1
- HELMET STORAGE ; HS-1
- FRP DOOR
- 6" CONCRETE CURB

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DWG. TITLE

DUGOUT PLANS



DATE 11/27/24

SCALE As indicated

DWN. JAP CHK. JAP

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DWG. No.

A102



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

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

3 SCALE: 1 1/2" = 1'-0"

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

5 BASE DET
SCALE: 1 1/2" = 1'-0"

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

7 WALL TIT
SCALE: 1 1/2" = 1'-0"

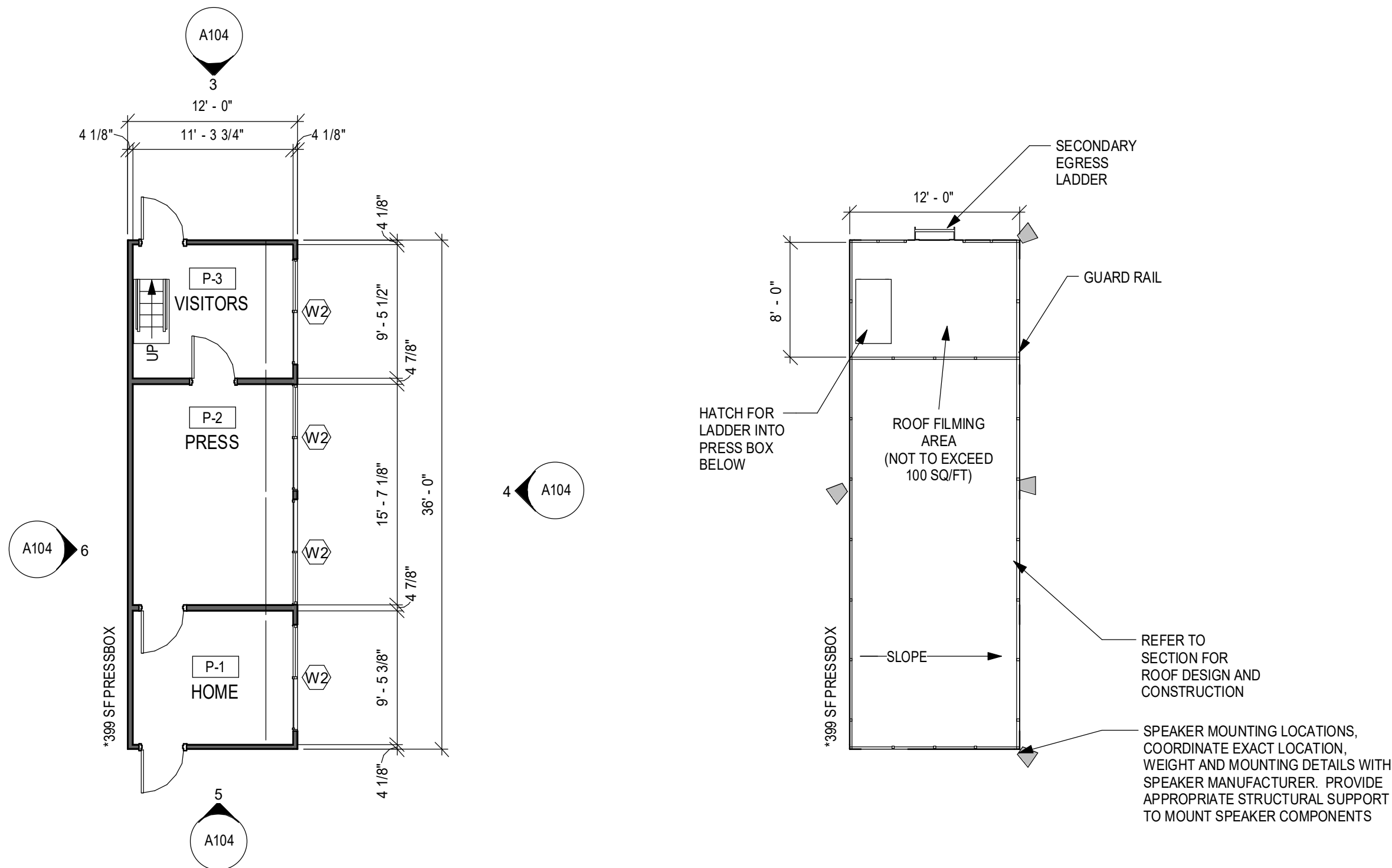
Level 1											
D1	3' - 0"	7' - 0"	FRP	1 3/4"	F	HM	6 3/4"	1	8/A103	9/A103	

8 DOOR TIE
SCALE: 1 1/2" = 1'-0"

9 DOOR JAMB
SCALE: 1 1/2" = 1'-0"

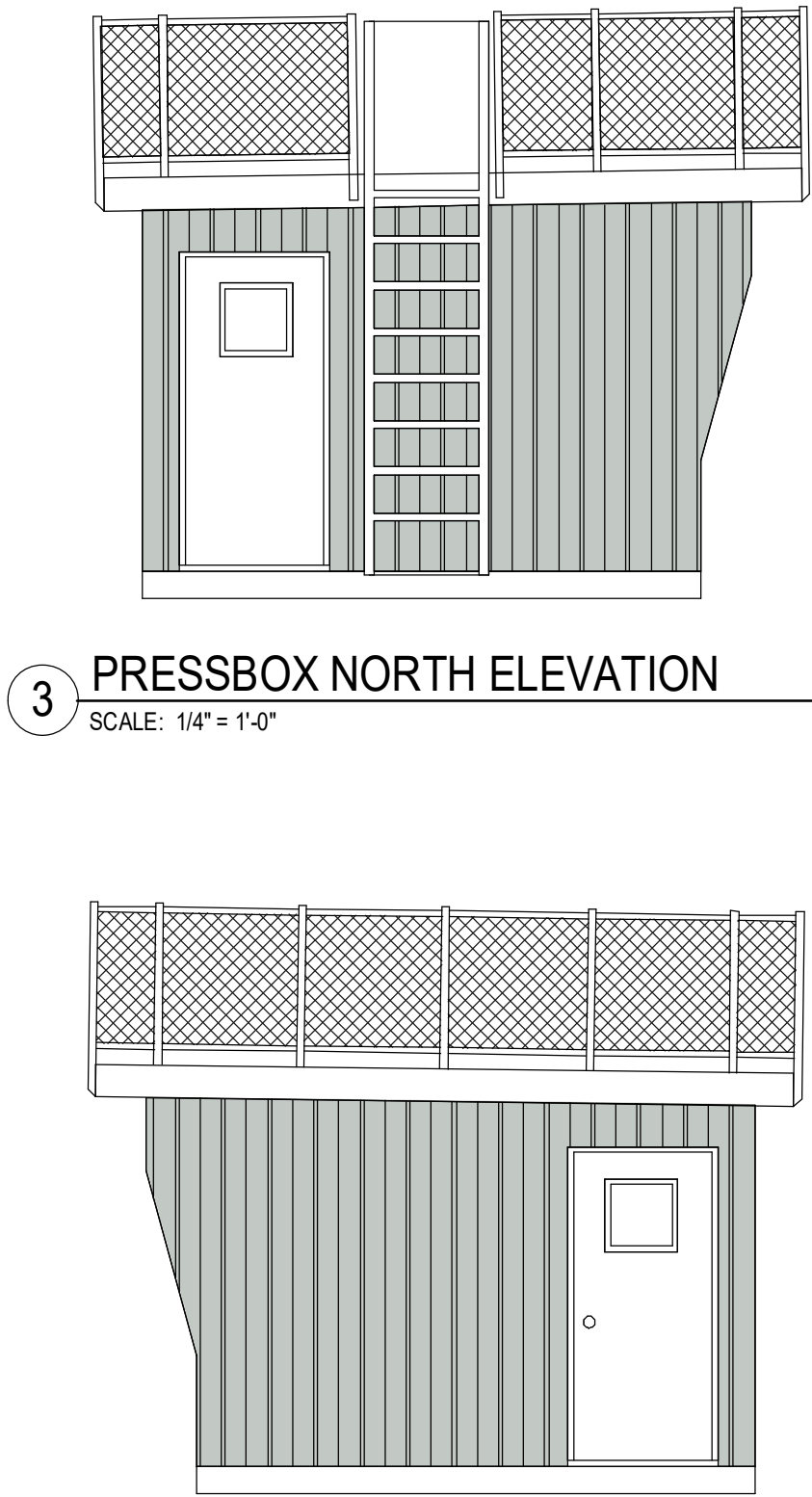
10 DOOR FR
SCALE: 1/4" = 1'-0"

11 DOOR TYPE
SCALE: 1/4" = 1'-0"



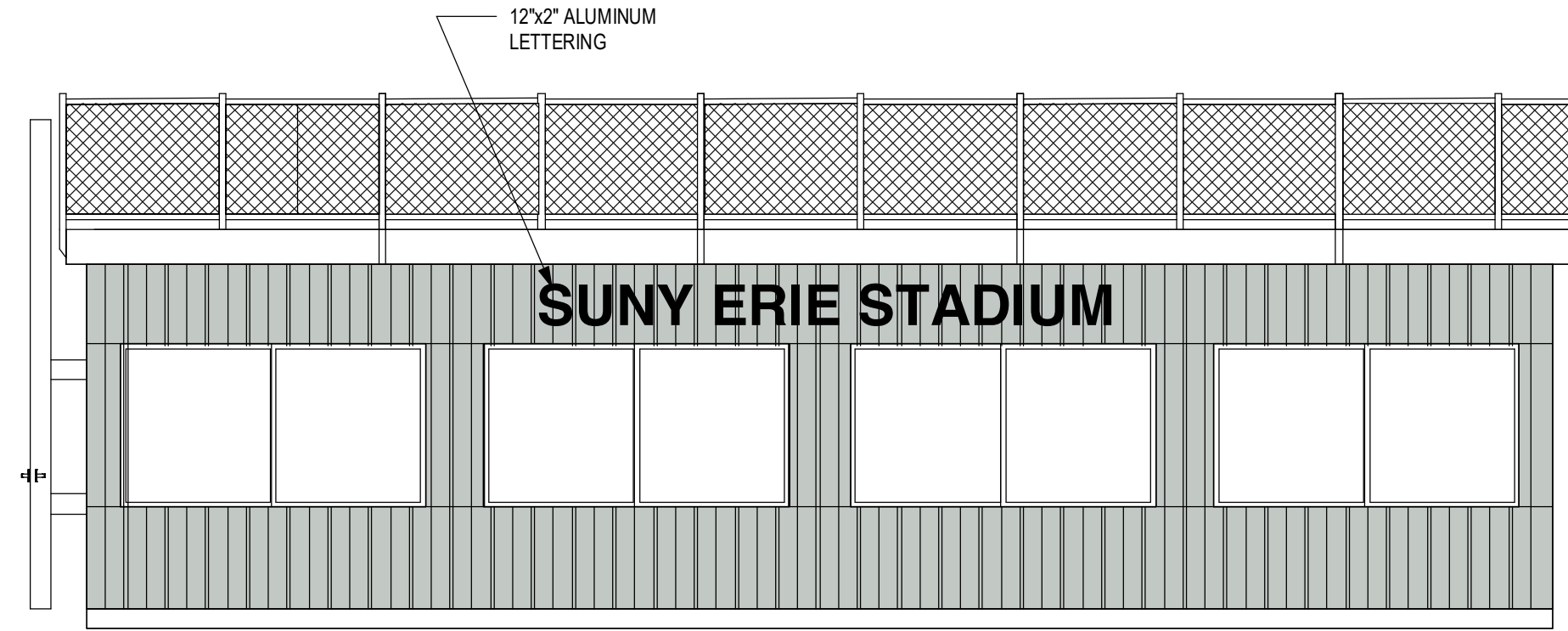
1 PRESSBOX PLAN
SCALE: 1/8" = 1'-0"

2 PRESSBOX ROOF PLAN
SCALE: 1/8" = 1'-0"

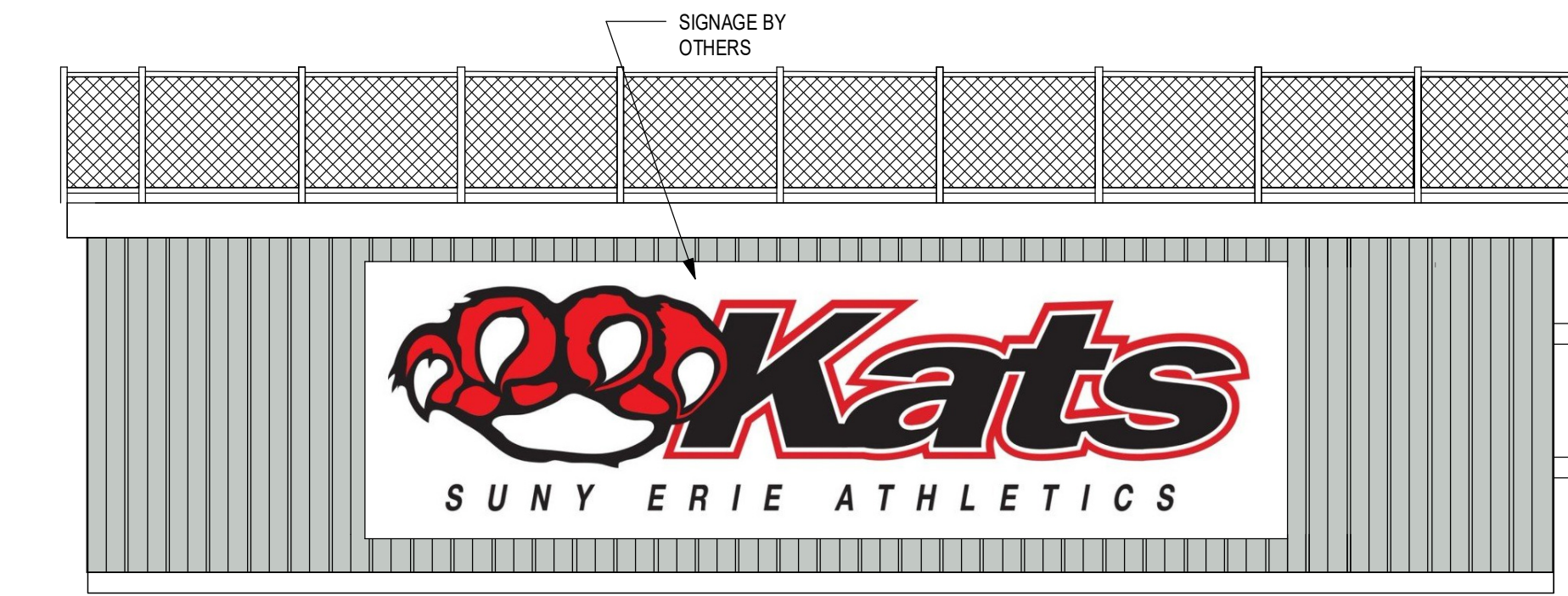


3 PRESSBOX NORTH ELEVATION
SCALE: 1/4" = 1'-0"

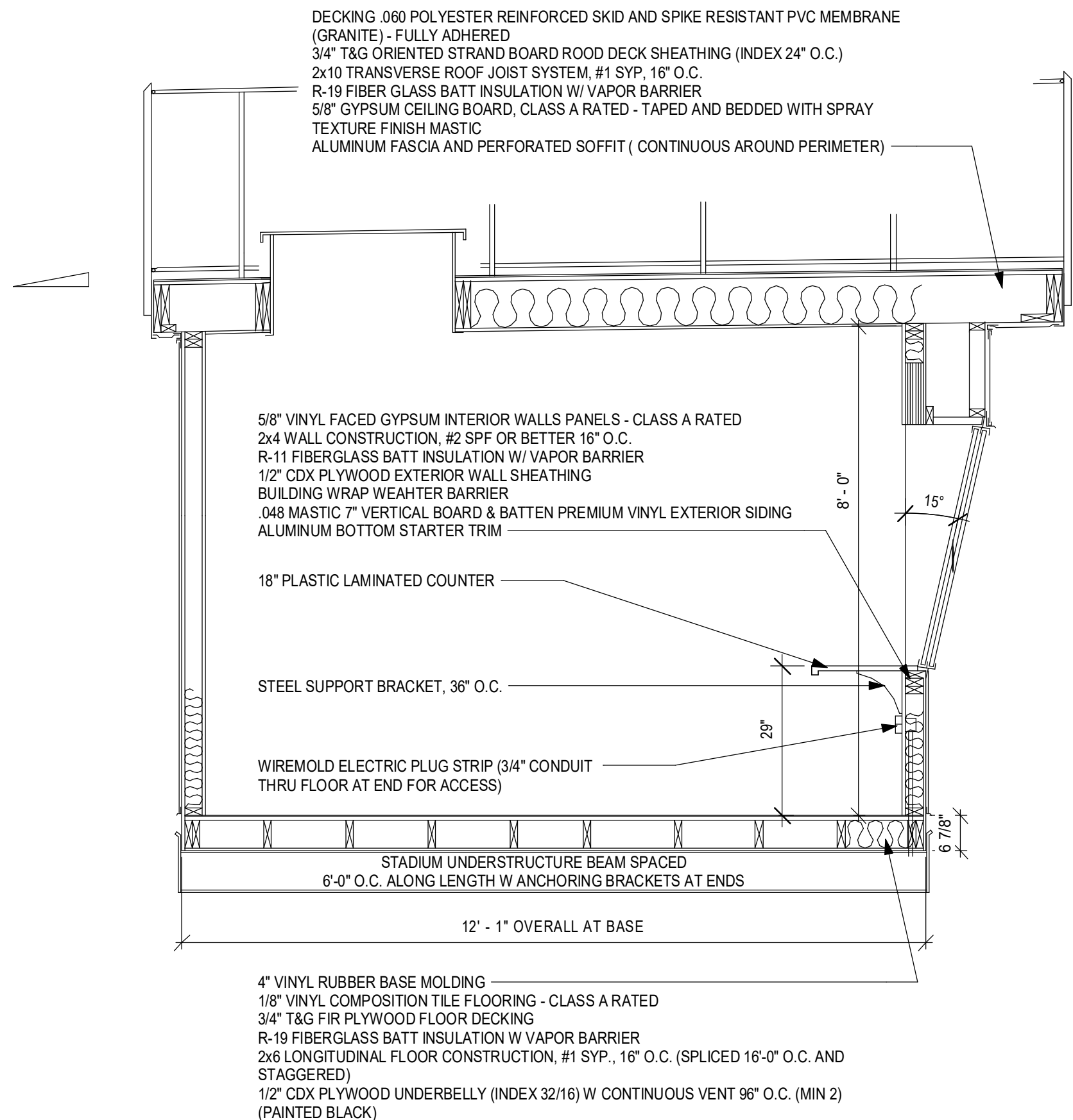
5 PRESSBOX SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



4 PRESSBOX EAST ELEVATION
SCALE: 1/4" = 1'-0"



6 PRESSBOX WEST ELEVATION
SCALE: 1/4" = 1'-0"



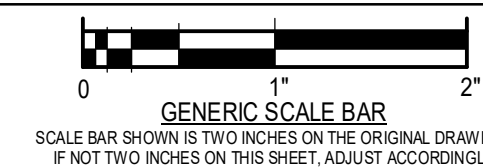
7 PRESSBOX SECTION
SCALE: 1/2" = 1'-0"

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PRESS BOX PLANS,
ELEVATIONS AND SECTION



DATE	11/27/24
SCALE	As indicated
DWN.	JAP
CHK.	JAP
PROJ. No.	279806
DWG. No.	

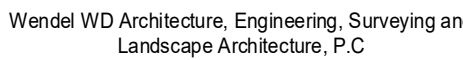
Z51		COORD.	Coordinate
LVL		COV.	Cover
A		D	
A.F.F.	Above Finished Floor	D.L.	Dead Load
ADD'L	Additional	DEMO.	Demolition
ADH.	Adhesive	DET.	Detail
ADJ.	Adjustable	DEV.	Development
A.S.D.	Allowable Strength Design	DIA.	Diameter
ALT.	Alternate	DIM.	Dimension
ALUM.	Aluminum	DBL.	Double
A.C.I.	American Concrete Institute	DWL.	Dowel
A.I.A.	American Institute Of Architects	DWG.	Drawing
A.I.S.C.	American Institute Of Steel Construction	D.P.	Drilled Pier
A.P.A.	American Plywood Association	E	
A.S.T.M.	American Society For Testing And Materials	EA.	Each
A.S.C.E.	American Society Of Civil Engineers	E.E.	Each End
A.W.S.	American Welding Society	E.F.	Each Face
A.W.P.A.	American Wood Preservers' Association	E.S.	Each Side
AB.	Anchor Bolt	E.W.	Each Way
APPROX.	Approximate	E.O.D.	Edge Of Deck
A.S.I.	Architect's Supplemental Instruction	E.O.P.	Edge Of Plate
A/E	Architect/Engineer	E.O.S.	Edge Of Slab
ARCH'L	Architectural	ELEC.	Electric
ASPH.	Asphalt	EL.	Elevation
AVG.	Average	ELEV.	Elevator
B		ENGR.	Engineer
B/B	Back To Back	E.O.R.	Engineer Of Record
B.PL.	Base Plate	EQ.	Equal
BRG.	Bearing	EQUIP.	Equipment
BRG. PL.	Bearing Plate	EST.	Estimate
B.O.C.	Beginning Of Curve	EX.	Existing
B.M.	Bench Mark	EXP.	Expansion
BTWN.	Between	E.J.	Expansion Joint
BEV.	Bevel	EXT.	Exterior
BLK.	Block	F	
BLK'G	Blocking	FAB.	Fabrication
BOTT.	Bottom	F.S.	Far Side
B.C.	Bottom Chord	F.R.P.	Fiberglass Reinforced Plastic
B/	Bottom Of	FIN.	Finish
B.F.	Braced Frame	FIN. FLR.	Finish Floor
C		F.F.E.	Finish Floor Elevation
CANTIL.	Cantilever	FLR.	Floor
C.I.	Cast Iron	FT.	Foot / Feet
C.I.P.	Cast-In-Place	FTG.	Footing
C.B.	Catch Basin	FDN.	Foundation
CLG.	Ceiling	FRMG.	Framing
CTR.	Center	G	
CL.	Center / Column Line	GA.	Gage / Gauge
C.C.	Cleanout	GAL.	Gallon
CLR.	Clear	GALV.	Galvanized
C.F.M.F.	Cold-Formed Metal Framing	G.C.	General Contractor
COL.	Column	GLU LAM	Glue Laminated Lumber
C.I.P.	Complete Joint Penetration	GLB	Glue Laminated Lumber
CONC.	Concrete	G.B.	Grade Beam
C.M.U.	Concrete Masonry Unit	H	
C.R.S.I.	Concrete Reinforcing Steel Institute	HT.	Height
CW	Concrete Wall	H.C.P.P.	Hollow Core Precast Plank
CONN.	Connection		
CONSTR.	Construction		
C.J.	Construction Joint		
C.M.	Construction Manager		
C.S.I.	Construction Specifications Institute		
CONT.	Continuous		

DESCRIPTION OF MATERIAL	PLAN VIEW	SECTION VIEW
INDICATES 95% COMPACTED FREE DRAINING SUB-BASE (STRUCTURAL FILL)		
INDICATES EXISTING ROCK		
INDICATES NATIVE (EXISTING) SOIL		
INDICATES APPROXIMATE FINAL GRADE. SEE SITE DRAWINGS		
INDICATES CONCRETE		
INDICATES STEEL		

BAR SIZE	3000 PSI NORMAL WEIGHT CONCRETE				BAR SIZE	4000 PSI NORMAL WEIGHT CONCRETE			
	TENSION					TENSION			
	DEV. LENGTH (IN)	CLASS B SPLICE LENGTH	TOP BAR DEV. LENGTH (IN)	TOP BAR SPLICE LENGTH (IN)		DEV. LENGTH (IN)	CLASS B SPLICE LENGTH	TOP BAR DEV. LENGTH (IN)	TOP BAR SPLICE LENGTH (IN)
3	17	22	22	28	3	15	19	19	25
4	22	29	29	38	4	19	25	25	33
5	28	36	36	47	5	24	31	31	41
6	33	43	43	56	6	29	37	37	49
7	48	63	63	81	7	42	54	54	71
8	55	72	72	93	8	48	62	62	81
9	62	81	81	105	9	54	70	70	91
10	69	90	90	116	10	60	78	78	101
11	76	98	98	128	11	66	85	85	111

LOCATION	MIN. COVER
CONCRETE CAST AGAINST SOIL	3"
OTHER CONCRETE BELOW GROUND	2"
EXTERIOR EXPOSED CONCRETE SURFACES	2"
INTERIOR EXPOSED CONCRETE SURFACES	1"

1.	ALL VISUALLY GRADED WOOD AND TIMBER SHALL BE NEW TIMBER WITH THE FOLLOWING MINIMUM MATERIAL PROPERTIES:	
	A. SPECIES:	DUGLASS FIR LARCH NO. 1 OR SOUTHERN PINE NO. 1
	B. EXTREME FIBER BENDING STRESS	1,500 PSI
	C. SHEAR STRESS	175 PSI
	D. COMPRESSION PARALLEL TO GRAIN	1,350 PSI
	E. COMPRESSION PERPENDICULAR TO GRAIN	625 PSI
	F. TENSION PARALLEL TO GRAIN	500 PSI
	G. MODULUS OF ELASTICITY	1,400,000 PSI
2.	ALL WOOD AND TIMBER SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19%.	



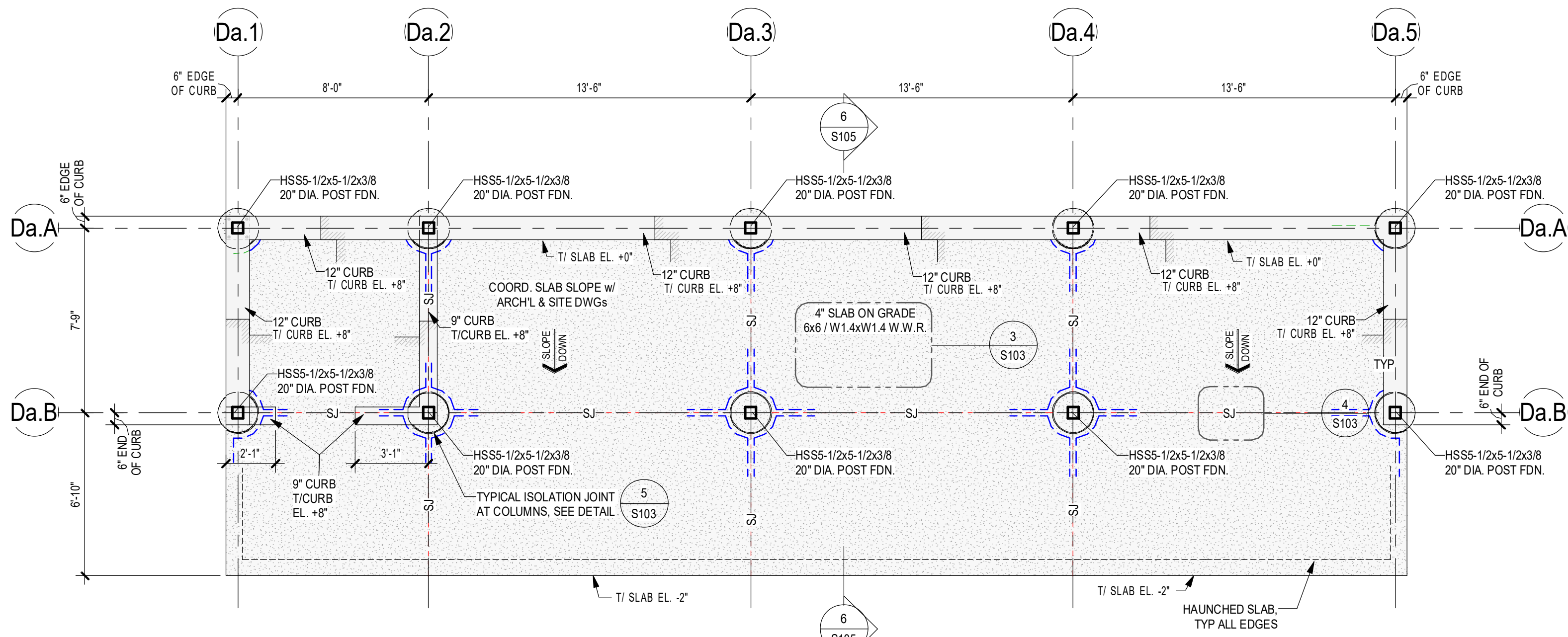
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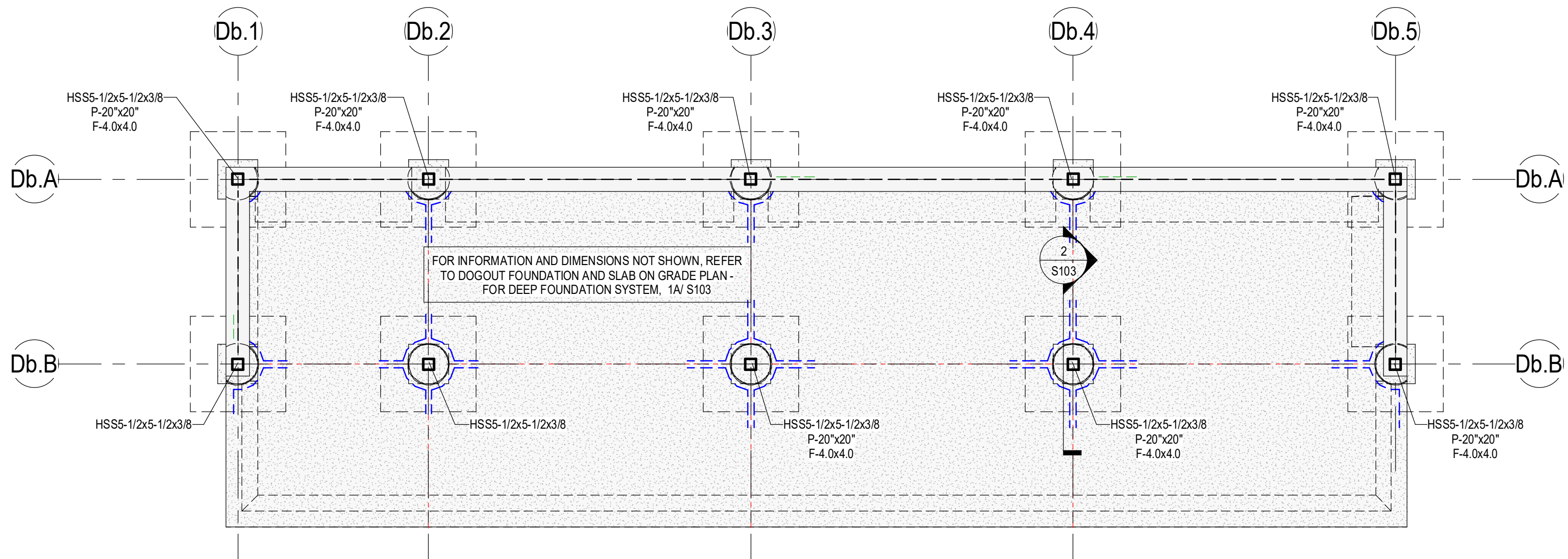
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING
IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

D/WG. No.

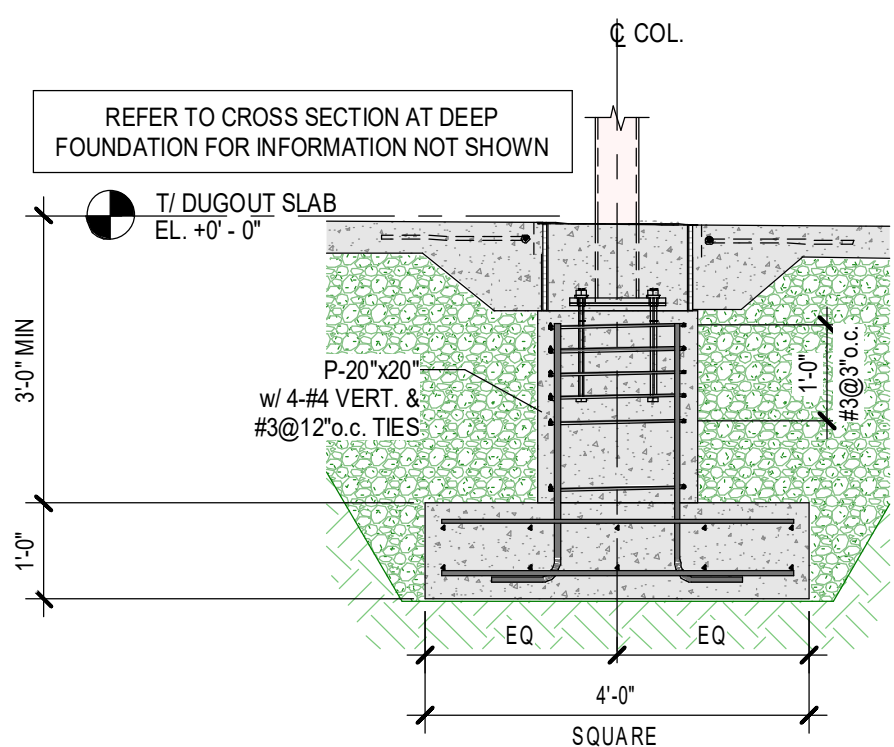
S001



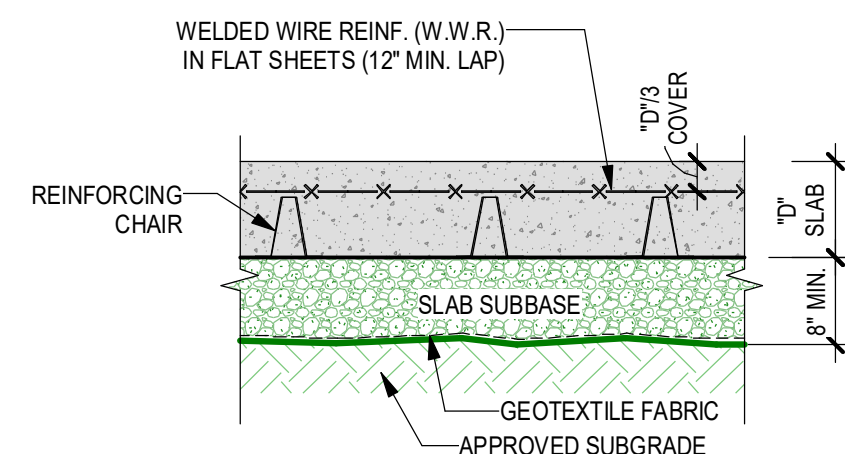
1A DUGOUT FOUNDATION AND SLAB ON GRADE PLAN - FOR DEEP FOUNDATION SYSTEM
SCALE: 1/4" = 1'-0"



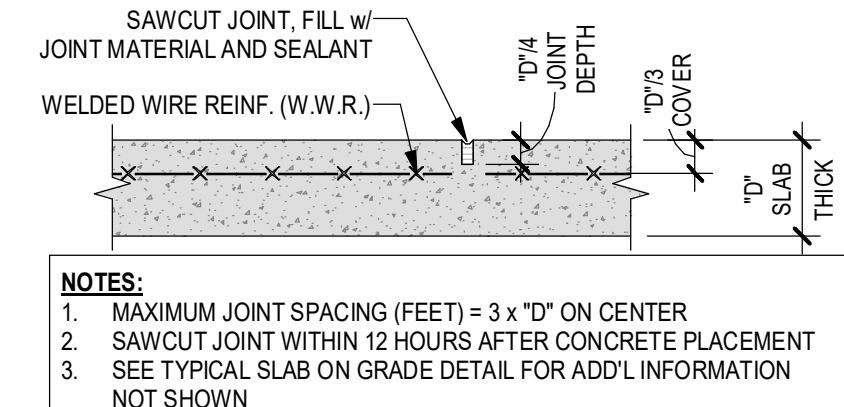
1B DUGOUT FOUNDATION AND SLAB ON GRADE PLAN - FOR SHALLOW FOUNDATION SYSTEM
SCALE: 1/4" = 1'-0"



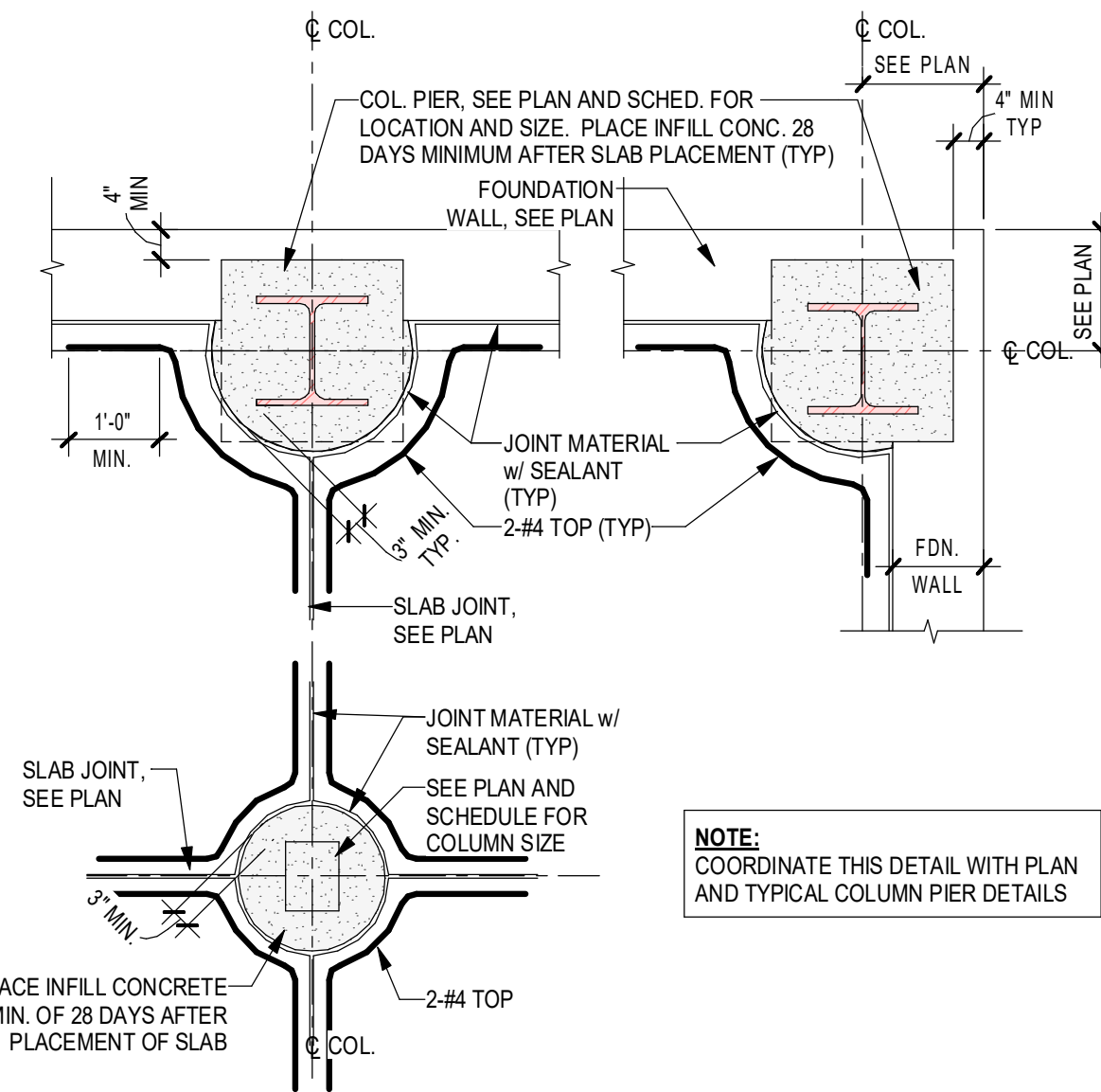
2 SHALLOW FOUNDATION SECTION
SCALE: 1/2" = 1'-0"



3 TYPICAL SLAB DETAIL
NOT TO SCALE



4 TYPICAL SAWCUT JOINT (SJ)
NOT TO SCALE



5 TYPICAL ISOLATION JOINT (CIRCULAR)
NOT TO SCALE

DUGOUT FOUNDATION NOTES

- TOP OF SLAB ELEVATION = 0'-0" [COORDINATE ELEVATION WITH SITE DWGS] UNLESS OTHERWISE NOTED AS T/SLAB + OR - FROM TOP OF SLAB ELEVATION FOR SLAB SLOPE ELEVATIONS AND REQUIREMENTS, SEE ARCHITECTURAL & SITE DRAWINGS
- TOP OF PIERS ELEVATION = -1'-0" BELOW TOP OF SLAB ELEVATION SEE SECTION S103 FOR PIER INFORMATION NOT SHOWN.
- ALL SLAB AS INDICATED ON PLAN
SJ INDICATES SAWCUT JOINT, SEE DETAIL 4/S103.
CONTRACTOR IS TO DETERMINE LOCATION OF ALL FORMED JOINTS.
- FOR TYPICAL CONCRETE DETAILS, SEE DWG S103.
- FOR GENERAL NOTES, DESIGN NOTES AND LOADS, AND STANDARD ABBREVIATIONS, SEE DWG S001.

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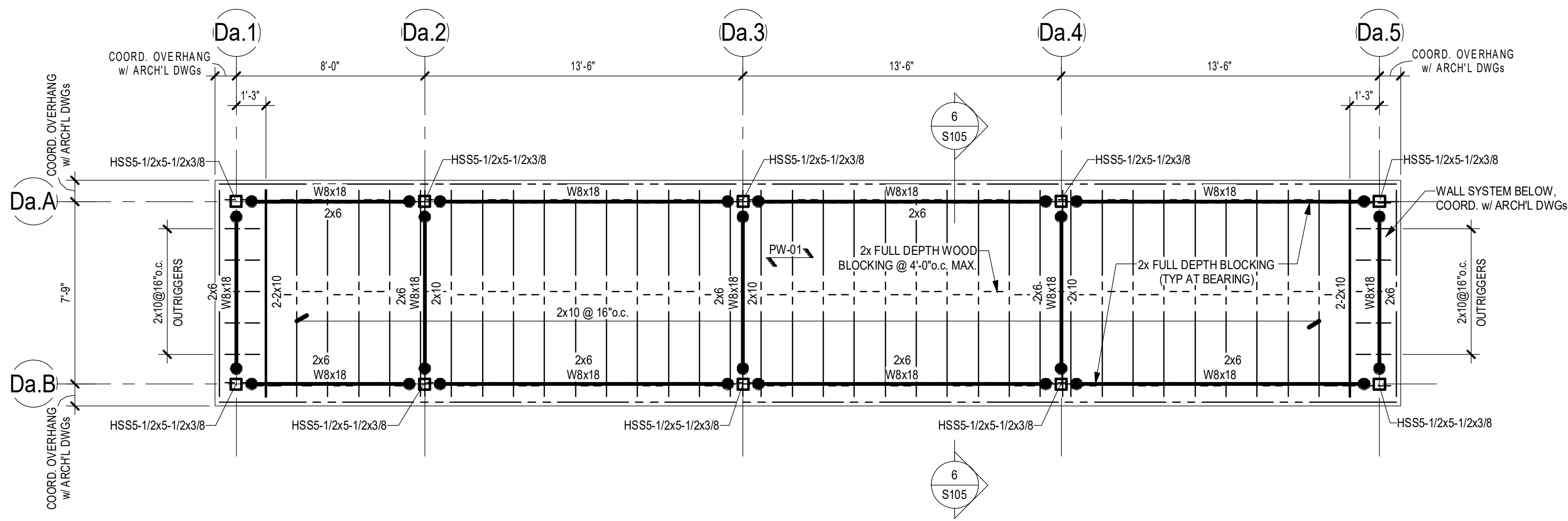
DWG. TITLE

DUGOUT FOUNDATION PLANS, SECTIONS AND DETAILS

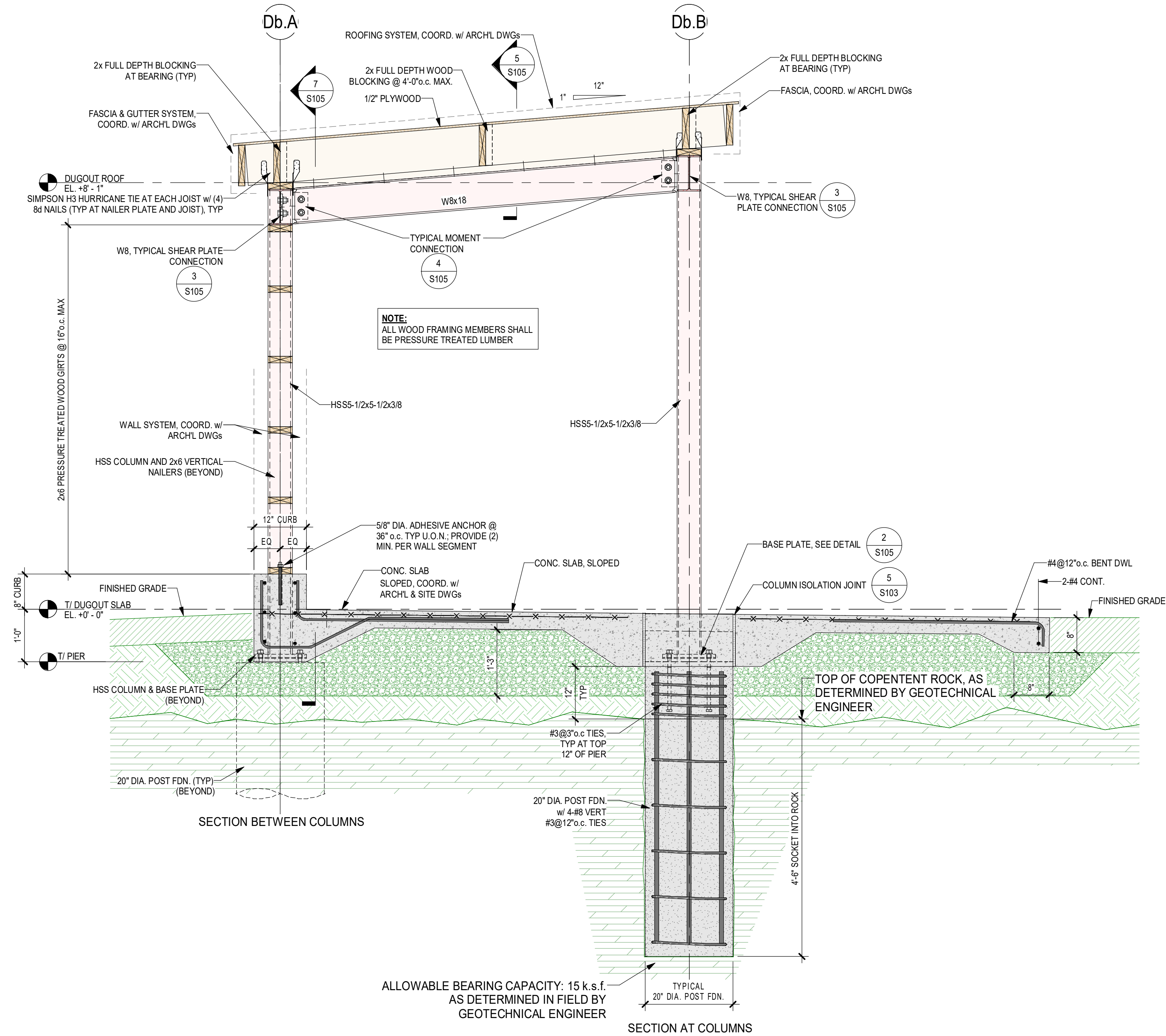
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE 11/27/24
SCALE As indicated
DWN. JDT CHK. PDK
PROJ. No. 279806
DWG. No.

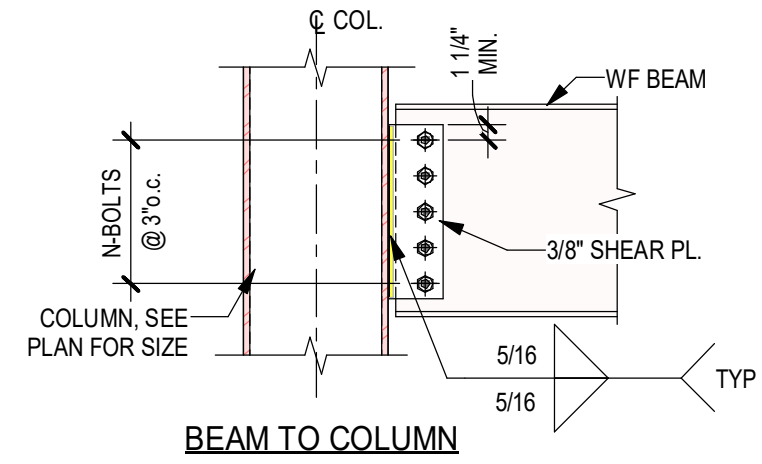
S103



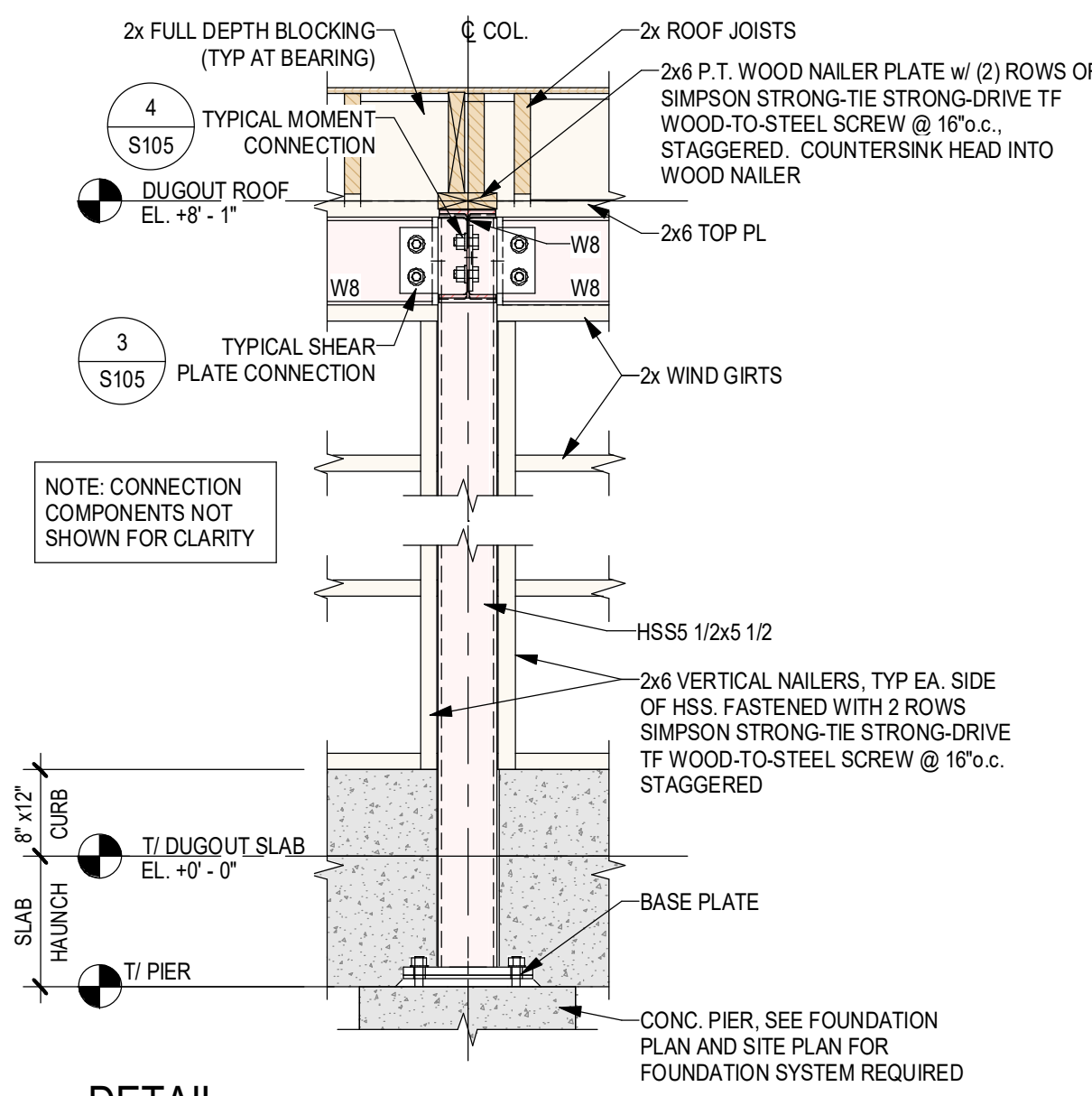
1 DUGOUT TYPICAL ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"



6 DUGOUT CROSS SECTION AT DEEP FOUNDATION SYSTEM
SCALE: 3/4" = 1'-0"



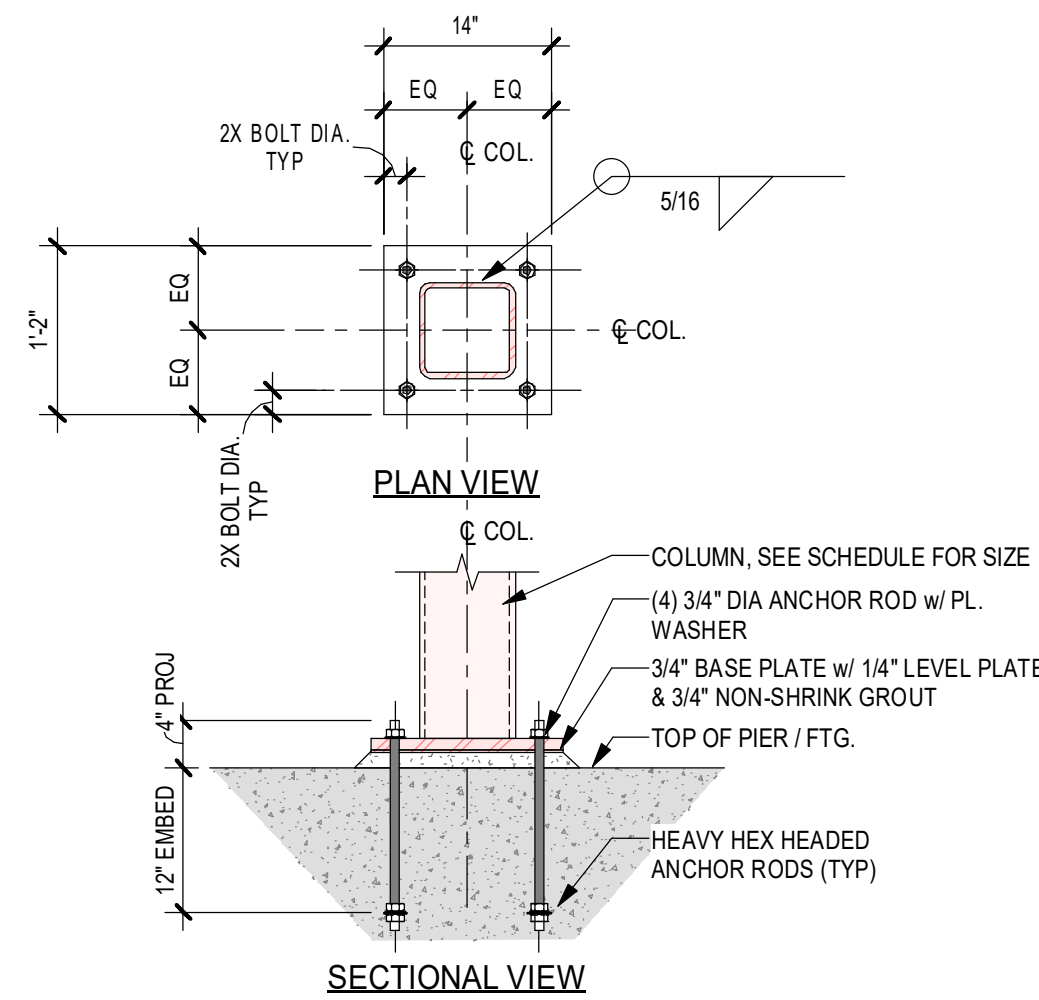
3 TYPICAL SHEAR PLATE CONNECTION
NOT TO SCALE



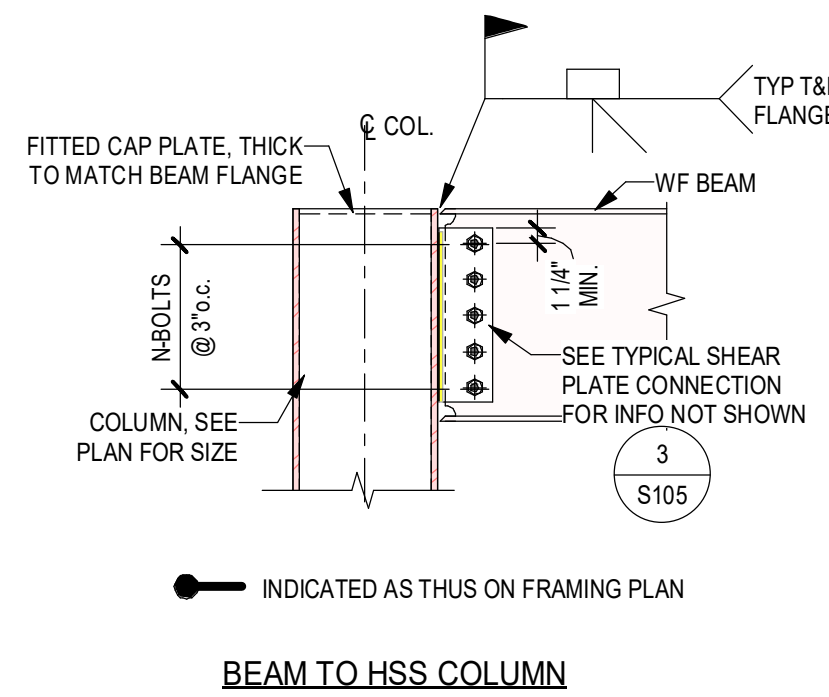
7 DETAIL
SCALE: 3/4" = 1'-0"

DUGOUT FRAMING NOTES

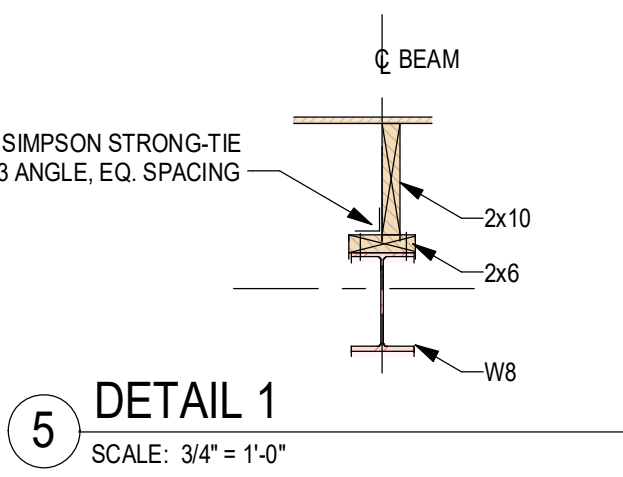
- INDICATES SPAN DIRECTION OF 15/32" APA RATED SHEATHING, EXPOSURE 1 (40/20 SPAN RATING). FASTENERS SHALL BE "H-CLIPS" w/ 8d NAILS OR EQUIVALENT @ 6" o.c. AT PANEL EDGES AND 12" o.c. AT INTERMEDIATE SUPPORTS
- ALL STRUCTURAL STEEL AND CONNECTIONS SHALL BE HOT-DIPPED GALVANIZED
- FOR GENERAL NOTES, DESIGN NOTES AND LOADS, AND STANDARD ABBREVIATIONS, SEE DWG S001.



2 TYPICAL BASEPLATE
NOT TO SCALE



4 TYPICAL MOMENT CONNECTION
NOT TO SCALE



5 DETAIL 1
SCALE: 3/4" = 1'-0"

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DWG. TITLE

DUGOUT FRAMING PLANS,
SECTIONS AND DETAILS

GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING.
IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

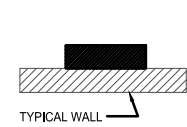
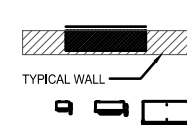
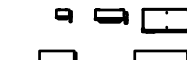
DATE 11/27/24
SCALE As indicated
DWN. JDT CHK. PDK
PROJ. No. 279806
DWG. No.

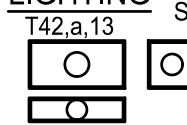
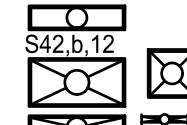
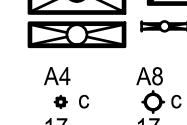
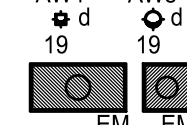
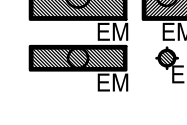
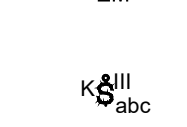
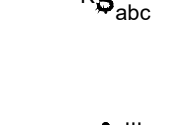
SYMBOLS & ABBREVIATIONS SCHEDULE

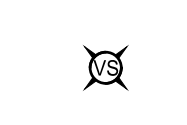
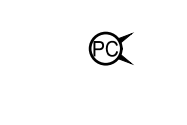
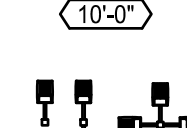
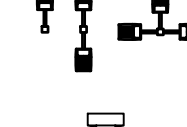
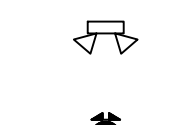
RECEPTACLES

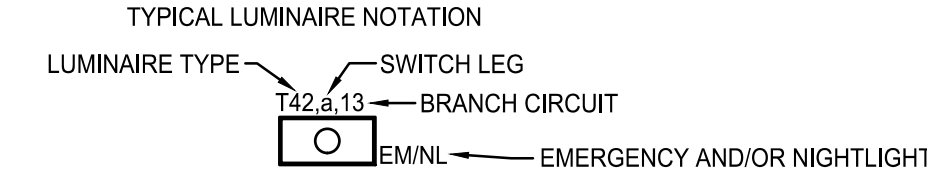
LP2 12 	DUPLEX RECEPTACLE OUTLET, 18" A.F.F., TAMPER RESISTANT, 20AMP COMMERCIAL GRADE GROUNDING TYPE WITH MATCHING COVERPLATE. TAG INDICATES PANELBOARD & BRANCH CIRCUIT THAT IT IS CONNECTED TO.
LP2 12 	GFCI RECEPTACLE OUTLET, 18" A.F.F., TAMPER RESISTANT, 20AMP COMMERCIAL GRADE GROUNDING TYPE WITH MATCHING COVERPLATE. TAG INDICATES PANELBOARD & BRANCH CIRCUIT THAT IT IS CONNECTED TO.
LP2 12 	DUPLEX RECEPTACLE OUTLET, 18" AFF., TAMPER RESISTANT, 20AMP COMMERCIAL GRADE GROUNDING TYPE WITH MATCHING COVERPLATE. TAG INDICATES PANELBOARD & DEDICATED BRANCH CIRCUIT THAT IT IS CONNECTED TO. RECEPTACLE SHALL BE SUPPLIED BY A GFCI CIRCUIT BREAKER. PROVIDE LABEL ON COVER "PROTECTED BY GFCI"
LP2 12 	INDICATES (2) TAMPER RESISTANT, 20 AMP, COMMERCIAL GRADE RECEPTACLES IN 2-GANG BOX UNDER A COMMON MATCHING COVERPLATE. RECEPTACLES SHALL BE GROUNDING TYPE. TAG INDICATES PANELBOARD & BRANCH CIRCUIT THAT IT IS CONNECTED TO.
LP2 12 	(2) GFCI RECEPTACLE OUTLETS, 18" A.F.F., TAMPER RESISTANT, 20AMP COMMERCIAL GRADE GROUNDING TYPE IN 2-GANG BACKBOX WITH MATCHING COMMON COVERPLATE. TAG INDICATES PANELBOARD & BRANCH CIRCUIT THAT IT IS CONNECTED TO.

POWER

	PROVIDE COMPLETE ELECTRICAL CONNECTION TO EQUIPMENT INDICATED (INCLUDING DISCONNECT, CONDUCTORS, RACEWAY, & OTHER REQUIRED HARDWARE. XX-X INDICATES EQUIPMENT TAG. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	PROVIDE COMPLETE ELECTRICAL CONNECTION TO MOTOR INDICATED (INCLUDING DISCONNECT, STARTER, CONDUCTORS, RACEWAY, & OTHER REQUIRED HARDWARE. XX-X INDICATES EQUIPMENT TAG. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	EMERGENCY POWER OFF BUTTON (EPO). PROVIDE WHERE INDICATED ON DRAWINGS. PROVIDE ALL REQUIRED INTERFACES AS CALLED FOR ON DRAWINGS OR REQUIRED BY EQUIPMENT MANUFACTURER.
	ELECTRICAL PANELBOARD, SURFACE MOUNTED. UNLESS OTHERWISE NOTED, INSTALL AT 72" A.F.F. TO THE TOP OF THE BOX.
	ELECTRICAL PANELBOARD, FLUSH MOUNTED. UNLESS OTHERWISE NOTED, INSTALL AT 72" A.F.F. TO THE TOP OF THE BOX.
	TYPICAL DISCONNECT (SAFETY SWITCH). REFER TO DRAWINGS FOR SIZE & ADDITIONAL FUSING REQUIREMENTS.
	TYPICAL DRY-TYPE TRANSFORMER (SIZE MIGHT VARY). UNLESS OTHERWISE NOTED, PROVIDE FLOOR MOUNTED WITH CONCRETE EQUIPMENT PAD.
	ELECTRICAL PIECE OF EQUIPMENT. REFER TO DRAWINGS FOR ADDITIONAL INFORMATION.

LIGHTING (REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION, LUMINAIRE SYMBOLS ARE SHOWN TO INDICATE GENERAL SHAPE & SIZE, ACTUAL SYMBOLS MY VARY)	
	LUMINAIRE (RECESSED). REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION. UPPERCASE LETTER INDICATES TYPE IN LUMINAIRE SCHEDULE, LOWERCASE LETTER INDICATES TYPE OF SWITCHED LEG, NUMBER INDICATES CIRCUIT IN PANELBOARD.
	LUMINAIRE (SURFACE OR PENDANT MOUNTED). REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION. UPPERCASE LETTER INDICATES TYPE IN LUMINAIRE SCHEDULE, LOWERCASE LETTER INDICATES TYPE OF SWITCHED LEG, NUMBER INDICATES CIRCUIT IN PANELBOARD.
	RECESSED DOWNLIGHT. REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION. UPPERCASE LETTER INDICATES TYPE IN LUMINAIRE SCHEDULE, LOWERCASE LETTER INDICATES TYPE OF SWITCHED LEG, NUMBER INDICATES CIRCUIT IN PANELBOARD
	RECESSED WALLWASHER. REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION. UPPERCASE LETTER INDICATES TYPE IN LUMINAIRE SCHEDULE, LOWERCASE LETTER INDICATES TYPE OF SWITCHED LEG, NUMBER INDICATES CIRCUIT IN PANELBOARD
	EMERGENCY LUMINAIRE, PROVIDE LUMINAIRE TYPE AS INDICATED. REFER TO PLANS & SPECIFICATIONS FOR ADDITIONAL INFORMATION.
	WALL LIGHT SWITCH, ROMAN NUMERAL INDICATES NUMBER OF SWITCHES GANGED UNDER ONE COVERPLATE. LOWER CASE LETTERS INDICATE SWITCHING. PROVIDE WITH MATCHING COVERPLATES "K" - KEYED SWITCH. "3" - 3-WAY "4" - 4-WAY "WP" - WATERPROOF (IP66 MINIMUM)
	WALL MOUNTED DIMMER CONTROLLER (LED OR FLUORESCENT). ROMAN NUMERAL INDICATES NUMBER OF SWITCHES GANGED UNDER COMMON COVERPLATE. LOWER CASE LETTERS INDICATE SWITCHING. UNLESS OTHERWISE NOTED, PROVIDE 0-10VDC. COORDINATE & PROVIDE ANY ADDITIONAL WIRING REQUIREMENTS.
	LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR (AUTO ON, AUTO OFF) WITH DUAL TECHNOLOGY SENSING & 360° VIEW CAPABILITY. PROVIDE COMPLETE WITH ALL REQUIRED RELAYS & WIRING AS REQUIRED BY SELECTED EQUIPMENT MANUFACTURER.
	WALL MOUNTED OCCUPANCY SENSOR (AUTO ON, AUTO OFF) TYPE SWITCH.

	LOW VOLTAGE CEILING MOUNTED VACANCY SENSOR (MANUAL ON, AUTO OFF) WITH DUAL TECHNOLOGY SENSING & 360° VIEW CAPABILITY. PROVIDE COMPLETE WITH ALL REQUIRED RELAYS & WIRING AS REQUIRED BY SELECTED EQUIPMENT MANUFACTURER. REPLACE EXISTING WALL SWITCHES WITH LOW VOLTAGE (MOMENTARY CONTACT TYPE) & MODIFY EXISTING WIRING AS REQUIRED.
	WALL MOUNTED VACANCY SENSOR (MANUAL ON, AUTO OFF) TYPE SWITCH.
	DAYLIGHT HARVESTING PHOTOCELL. PROVIDE COMPLETE WITH ALL REQUIRED MOUNTING HARDWARE & INTERCONNECTION TO CONTROLLER AS SPECIFIED. LOCATE IN ROOM PER MANUFACTURERS REQUIREMENTS.
	LUMINAIRE MOUNTING HEIGHT TAG. INDICATES THE HEIGHT THAT THE BOTTOM OF LUMINAIRE SHALL BE INSTALLED IN THE ASSOCIATED ROOM.
	TYPICAL SITE LUMINAIRE (EXACT SYMBOL MAY VARY). SHALL INCLUDE LUMINAIRE HEAD, POLE, & CONCRETE BASE. REFER TO LUMINAIRE SCHEDULE & SITE LIGHTING PLAN FOR ADDITIONAL INFORMATION.
	EMERGENCY LUMINAIRE UNIT, SHALL BE WITH BATTERY BACKUP. REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION. BATTERY CAPACITY SHALL MEET OR EXCEED MINIMUM OPERATION TIME REQUIRED BY CODES.
	EXIT SIGN (LED TYPE), SHALL PROVIDED WITH INTEGRAL BATTERY BACKUP. REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION. VERIFY SHEVRON DIRECTION IN FIELD, PROVIDE AS REQUIRED. BATTERY CAPACITY SHALL MEET OR EXCEED MINIMUM OPERATION TIME REQUIRED BY CODE.



GENERAL NOTES: (FOR ALL DRAWINGS)

- A. THE DRAWINGS ARE DIAGRAMMATIC & INDICATE GENERALLY THE LOCATIONS OF THE MATERIAL & EQUIPMENT. THESE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE.
- B. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER INSTALLATION & OPERATION, SHALL BE INCLUDED IN THE CONTRACTOR'S BID, THE SAME AS IF HEREIN SPECIFIED OR SHOWN.
- C. ALL MATERIAL & INSTALLATION SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE NATIONAL ELECTRIC CODE, LATEST EDITION OF LOCAL CODES, & ORDINANCES.
- D. ALL CONDUITS ON EXPOSED WORK SHALL BE RUN AT RIGHT ANGLES TO, & PARALLEL WITH, THE SURROUNDING WALL & SHALL CONFORM TO THE FORM OF THE CEILING. DIAGONAL RUNS WILL NOT BE ALLOWED. BENDS IN PARALLEL CONDUIT RUNS SHALL BE CONCENTRIC. ALL CONDUIT SHALL RUN PERFECTLY STRAIGHT & TRUE.
- E. ALL CONDUIT RUNS ARE TO BE CONCEALED IN WALLS, CEILINGS, OR IN THE SLAB. CONTRACTOR SHALL COORDINATE CONDUIT INSTALLATION DURING BUILDING CONSTRUCTION WITH OTHER TRADES. RUN SURFACE RACEWAY ONLY WHERE CALLED FOR OR SHOWN ON THE DRAWINGS. EXPOSED CONDUIT SHALL ONLY BE INSTALLED WHERE MEANS OF CONCEALING DOES NOT EXIST. CONTRACTOR IS TO NOTIFY ENGINEER & GET OWNERS APPROVAL PRIOR TO RUNNING EXPOSED CONDUITS.
- F. INTERIOR RECEPTACLE & LIGHT FIXTURE BRANCH CIRCUITS SHALL BE IN EMT CONDUIT. A MAXIMUM OF (3) CIRCUITS CAN BE GROUPED TOGETHER IN A HOMERUN CONDUIT. EACH CIRCUIT SHALL HAVE SEPARATE NEUTRAL. GROUPING OF NEUTRALS SHALL NOT BE ACCEPTABLE. EACH CIRCUIT SHALL ALSO HAVE A GROUND WIRE SIZED PER NEC. USING CONDUIT, OR MC CABLE AS GROUND PATH SHALL NOT BE ACCEPTABLE. CABLE MUST BE SUPPORTED PER NEC. GROUPING OF GROUND WIRES [(1) GROUND PER (3) CIRCUITS] IS ACCEPTABLE. MAXIMUM 6' LENGTH OF MC CABLE ALLOWED FOR A WHIP CONNECTION TO LUMINAIRE ONLY. EXTERIOR (OUTDOOR) RECEPTACLE & LIGHT FIXTURE BRANCH CIRCUITS SHALL BE IN RMC CONDUIT OR AS PERMITTED IN THE SPECIFICATIONS.
- G. COORDINATE ALL LUMINAIRE & CEILING MOUNTED EQUIPMENT LOCATIONS & MOUNTING HARDWARE WITH ARCHITECTURAL CEILING PLANS PRIOR TO CONSTRUCTION.
- H. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED COSTS FOR SEALING ALL PENETRATIONS THROUGH FIRE & SMOKE WALLS USING UL APPROVED SEALANT & METHODS.
- I. ALL RECEWAYS CROSSING BUILDING EXPANSION JOINTS SHALL BE EQUIPPED WITH EXPANSION FITTINGS.
- J. CONTRACTOR SHALL PROVIDE INFORMATION LABELS ON ALL RECEPTACLES, PANELBOARDS, JUNCTION BOXES, WALL SWITCHES, & DISCONNECT SWITCHES. LABELS SHALL BE PHENALIC TYPE WITH BLACK BACKGROUND & WHITE ENGRAVED LETTERING. LABEL SHALL INDICATED CIRCUIT/FEEDER SOURCE & EQUIPMENT ID NAME.

ABBREVIATIONS:

WP	INDICATES WEATHERPROOF DEVICE OR EQUIPMENT
WG	INDICATES DEVICE SHALL HAVE WIRE GUARD PROTECTION
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
(ETR)	EXISTING EQUIPMENT SHALL REMAIN IN PLACE
OC	OVER COUNTER (INSTALL 12" ABOVE COUNTER HEIGHT)
UC	UNDER COUNTER (INSTALL 18" ABOVE FINISHED FLOOR)
VNAC	VISUAL NOTIFICATION APPLIANCE CIRCUIT
ANAC	AUDIO NOTIFICATION APPLIANCE CIRCUIT
SLC	SIGNALING LINE CIRCUIT
ATS	AUTOMATIC TRANSFER SWITCH
HP	HORSEPOWER
KW	KILOWATT
KVA	KILOVOLT-AMPERES
VFD	VARIABLE FREQUENCY DRIVE
EM	EMERGENCY
NL	NIGHTLIGHT (TYPICAL FOR LIGHTING, 'ON' ALL THE TIME)
LTG	LIGHTING
CPWR	CONTINUOUS LOAD (POWER)
PWR	POWER
EH	ELECTRIC HEAT
KIT	KITCHEN EQUIPMENT
LMTR	LARGEST MOTOR
EOP	SHOP EQUIPMENT
NEC	NATIONAL ELECTRICAL CODE
MLO	MAIN LUGS ONLY
MCB	MAIN CIRCUIT BREAKER
AWG	AMERICAN WIRE GAGE

BRANCH CIRCUIT WIRING NOTES:

- A. UNLESS OTHERWISE NOTED, MINIMUM HOMERUN (HOMERUN SHALL BE CONSIDERED TOTAL LENGTH FROM SOURCE TO LAST DEVICE ON THE CIRCUIT) CONDUCTORS FOR 20A/1P BRANCH CIRCUITS INCLUDING LIGHTING SHALL BE AS FOLLOWS:
- 1-100FT - #12 AWG
 - 101-150FT - #10 AWG
 - 151-250FT - #8 AWG
 - 251-400FT - #6 AWG.
 - 401 & LONGER - #4 AWG.
- REDUCE CONDUCTORS SIZE TO A MAXIMUM CONDUCTOR SIZE THAT THE LOAD TERMINALS CAN ACCOMMODATE. REDUCED SIZE NOT LONGER THAN ONE FOOT. INCREASE RACEWAY SIZE AS NEEDED PER NEC, FOR THE LARGER SIZES OF CONDUCTORS.



SUNY ERIE
State University of New York

6205 MAIN STREET
WILLIAMSVILLE, NY 14221

**SPORTS PLAYING
FIELD PROJECT
PHASE 1**

ISSUED FOR BID



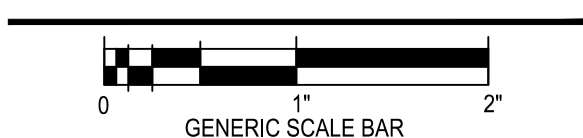
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WENDEL ARCHITECTURE, P.C

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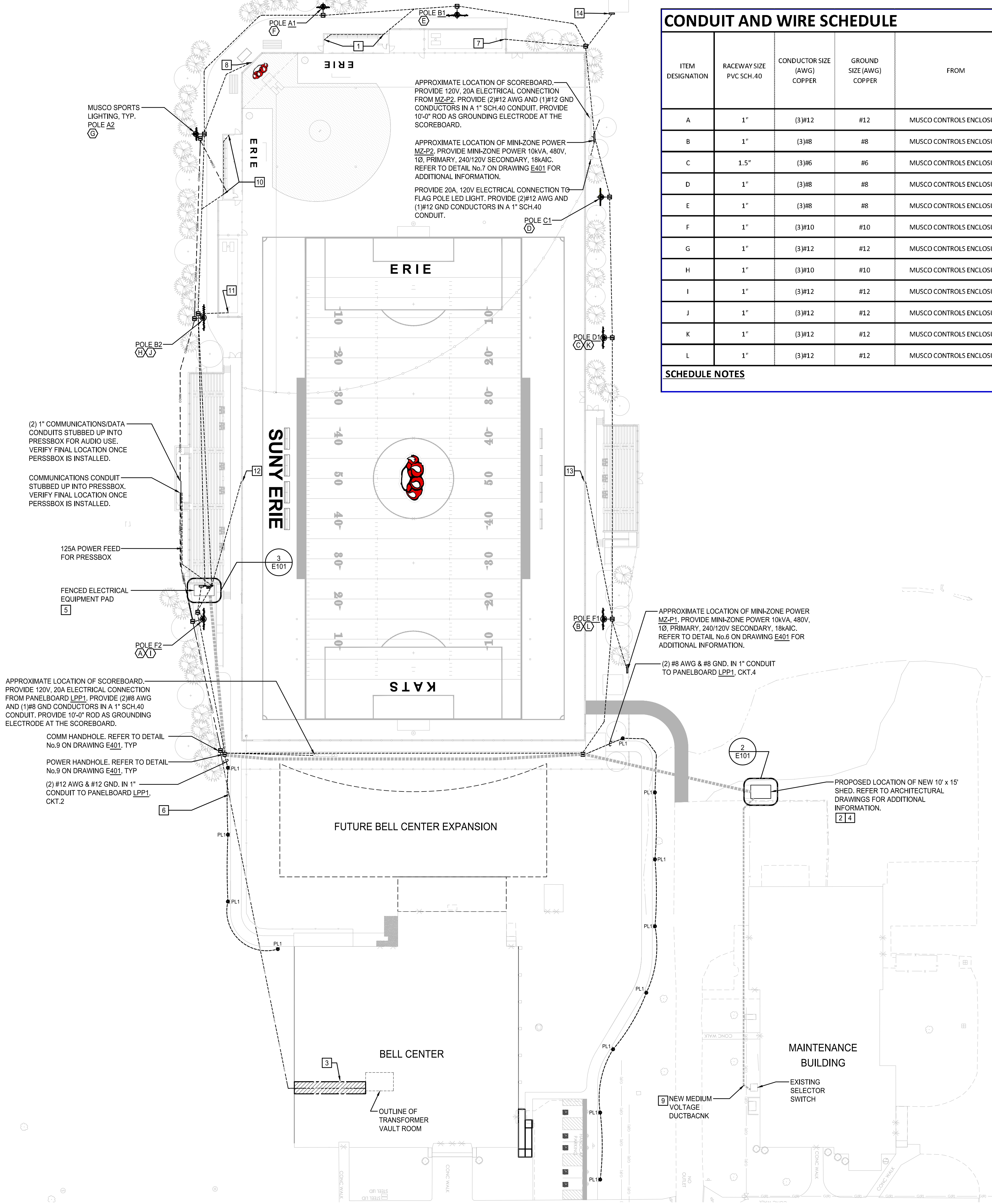
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NO.	REVISIONS	DATE

DWG. TITLE

ELECTRICAL SYMBOLS, ABBREVIATIONS, & NOTES			
			
DATE 11/27/2024			
SCALE AS NOTED			
DWN.	VB1	CHK.	JFW
PROJ. No. 279806			
DWG. No.			

1 ELECTRICAL SITE PLAN

SCALE: 1" = 40' - 0"



CONDUIT AND WIRE SCHEDULE

ITEM DESIGNATION	RACEWAY SIZE PVC SCH.40	CONDUCTOR SIZE (AWG) COPPER	GROUND SIZE (AWG) COPPER	FROM	TO	NOTES
A	1"	(3)#12	#12	MUSCO CONTROLS ENCLOSURE	POLE E2 ELECTRICAL COMPONENTS ENCLOSURE	
B	1"	(3)#8	#8	MUSCO CONTROLS ENCLOSURE	POLE E1 ELECTRICAL COMPONENTS ENCLOSURE	
C	1.5"	(3)#6	#6	MUSCO CONTROLS ENCLOSURE	POLE D1 ELECTRICAL COMPONENTS ENCLOSURE	
D	1"	(3)#8	#8	MUSCO CONTROLS ENCLOSURE	POLE C1 ELECTRICAL COMPONENTS ENCLOSURE	
E	1"	(3)#8	#8	MUSCO CONTROLS ENCLOSURE	POLE B1 ELECTRICAL COMPONENTS ENCLOSURE	
F	1"	(3)#10	#10	MUSCO CONTROLS ENCLOSURE	POLE A1 ELECTRICAL COMPONENTS ENCLOSURE	
G	1"	(3)#12	#12	MUSCO CONTROLS ENCLOSURE	POLE A2 ELECTRICAL COMPONENTS ENCLOSURE	
H	1"	(3)#10	#10	MUSCO CONTROLS ENCLOSURE	POLE B2 ELECTRICAL COMPONENTS ENCLOSURE	
I	1"	(3)#12	#12	MUSCO CONTROLS ENCLOSURE	POLE E2 ELECTRICAL COMPONENTS ENCLOSURE	
J	1"	(3)#12	#12	MUSCO CONTROLS ENCLOSURE	POLE B2 ELECTRICAL COMPONENTS ENCLOSURE	
K	1"	(3)#12	#12	MUSCO CONTROLS ENCLOSURE	POLE D1 ELECTRICAL COMPONENTS ENCLOSURE	
L	1"	(3)#12	#12	MUSCO CONTROLS ENCLOSURE	POLE E1 ELECTRICAL COMPONENTS ENCLOSURE	

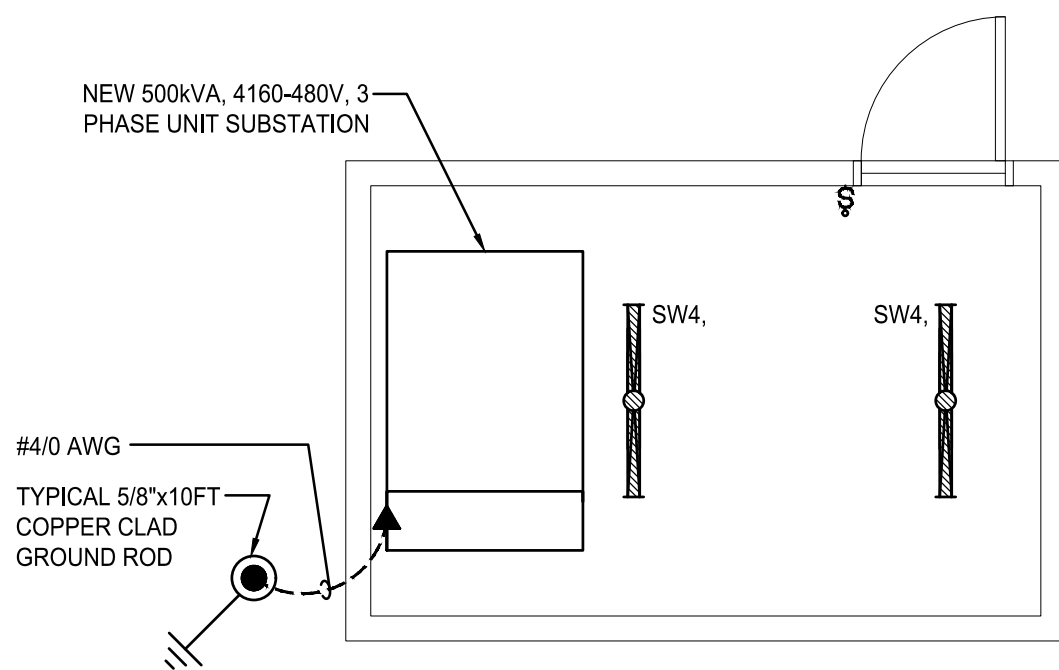
SCHEDULE NOTES

GENERAL NOTES:

- A. UNLESS OTHERWISE NOTED ALL UNDERGROUND RACEWAYS SHOWN ON THIS SHEET SHALL BE INSTALLED WITH MINIMUM 24" COVER.

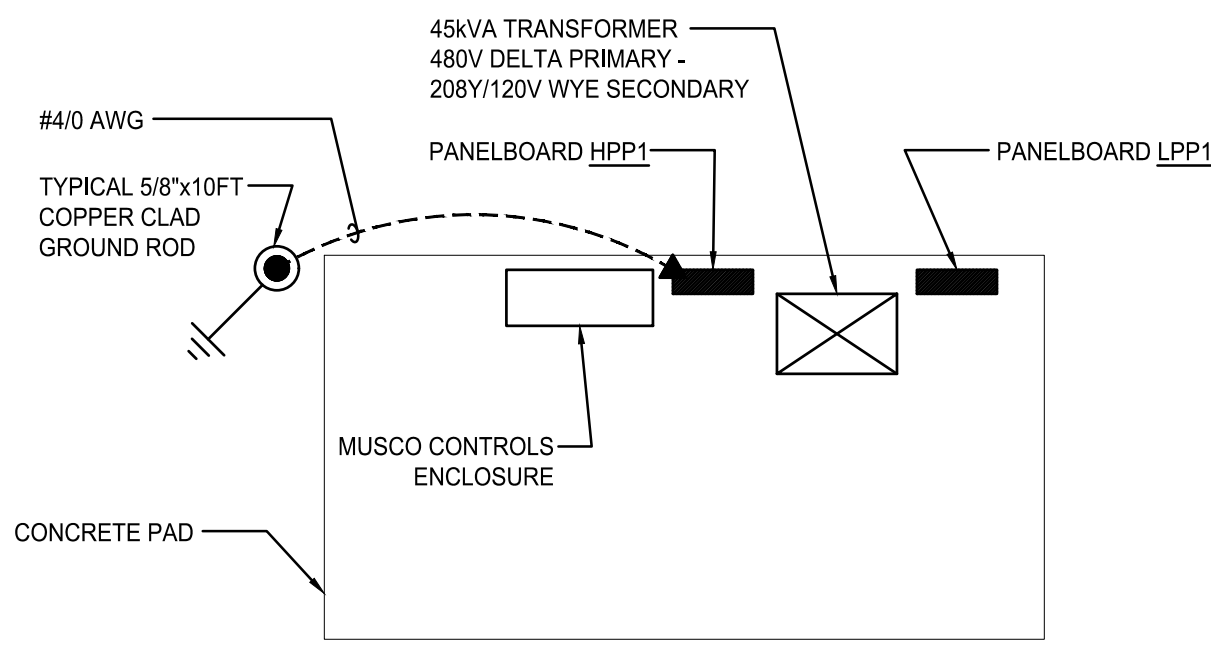
CONSTRUCTION NOTES:

- PROVIDE (2) GFCI RECEPTACLE WITH WEATHERPROOF COVER IN DUGOUT AREA. RECEPTACLE SHALL BE FEED FROM MZ-P2. PROVIDE (2)#10 AWG AND (1) #10 GND IN A 1" SCH.40 CONDUIT.
- FURNISH AND INSTALL NEW 500kVA, 4160-480V, 3 PHASE UNIT SUBSTATION INSIDE SHED. UNIT SUBSTATION SHALL BE CONNECTED TO EXISTING 5kV LOOP SELECTOR SWITCH.
- REMOVE AND REINSTALL GRID CEILING TO FACILITATE INSTALLATION OF THE NEW DATA CABLING ABOVE CEILING. CONTRACTOR IS RESPONSIBLE TO MATCH AND REPLACE ANY EXISTING CEILING TILES DAMAGED DURING CONSTRUCTION.
- FURNISH AND INSTALL (1) 300A/3P CIRCUIT BREAKER NEW 480V SUBSTATION TO FEED EXTERIOR 480V PANELBOARD.
- PROVIDE (1) 300A, 480V PANELBOARD, (1) 100A, 208V PANELBOARD AND A 45kVA, 480V DELTA PRIMARY - 208Y/120V WYE SECONDARY, TRANSFORMER LOCATED ON EQUIPMENT PAD. ELECTRICAL EQUIPMENT SHALL BE RATED NEMA 4.
- PROVIDE (1) MULTIMODE FIBER IN A 2" SCH.40 CONDUIT FROM EXISTING RACK LOCATED INSIDE TRANSFORMER VAULT ROOM TO PRESSBOX FOR FUTURE COMMUNICATION USE.
- PROVIDE (1) GFCI RECEPTACLE WITH WEATHERPROOF COVERS SURFACE MOUNTED ON FENCE POST. PROVIDE ALL MOUNTING HARDWARE AS REQUIRED. RECEPTACLE SHALL BE FEED FROM MZ-P2. PROVIDE (2)#10 AWG AND (1) #10 GND IN A 1" SCH.40 CONDUIT.
- PROVIDE (1) GFCI RECEPTACLE WITH WEATHERPROOF COVERS SURFACE MOUNTED ON FENCE POST. PROVIDE ALL MOUNTING HARDWARE AS REQUIRED. RECEPTACLE SHALL BE FEED FROM PANELBOARD LPP1. PROVIDE (2)#8 AWG AND (1) #8 GND IN A 1" SCH.40 CONDUIT.
- NEW MEDIUM VOLTAGE DUCTBANK. REFER TO E601 FOR ADDITIONAL INFORMATION.
- PROVIDE (2) GFCI RECEPTACLE WITH WEATHERPROOF COVER IN DUGOUT AREA. RECEPTACLE SHALL BE FEED FROM PANELBOARD LPP1. PROVIDE (2)#8 AWG AND (1) #8 GND IN A 1" SCH.40 CONDUIT.
- PROVIDE (1) GFCI RECEPTACLE WITH WEATHERPROOF COVERS SURFACE MOUNTED ON FENCE POST. PROVIDE ALL MOUNTING HARDWARE AS REQUIRED. RECEPTACLE SHALL BE FEED FROM PANELBOARD LPP1. PROVIDE (2)#8 AWG AND (1) #8 GND IN A 1" SCH.40 CONDUIT.
- PROVIDE (1) GFCI RECEPTACLE WITH WEATHERPROOF COVERS SURFACE MOUNTED ON FENCE POST. PROVIDE ALL MOUNTING HARDWARE AS REQUIRED. RECEPTACLE SHALL BE FEED FROM PANELBOARD LPP1. PROVIDE (2)#10 AWG AND (1) #10 GND IN A 1" SCH.40 CONDUIT.
- PROVIDE (1) GFCI RECEPTACLE WITH WEATHERPROOF COVERS SURFACE MOUNTED ON FENCE POST. PROVIDE ALL MOUNTING HARDWARE AS REQUIRED. RECEPTACLE SHALL BE FEED FROM MZ-P2. PROVIDE (2)#10 AWG AND (1) #10 GND IN A 1" SCH.40 CONDUIT.
- APPROXIMATE LOCATION OF 50A RV PEDESTAL FOR FUTURE BATHROOM TRAILER USE. PROVIDE (2)#6 AWG AND (1)#10 GND CONDUCTORS IN A 1" SCH.40 CONDUIT. PROVIDE 10'-0" ROD AS GROUNDING ELECTRODE AT THE RV PEDESTAL. REFER TO DETAIL No.8 ON DRAWING E401 FOR ADDITIONAL INFORMATION.



2 SHED PLAN - POWER AND LIGHTING

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



3 ENLARGED EQUIPMENT PAD PLAN

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

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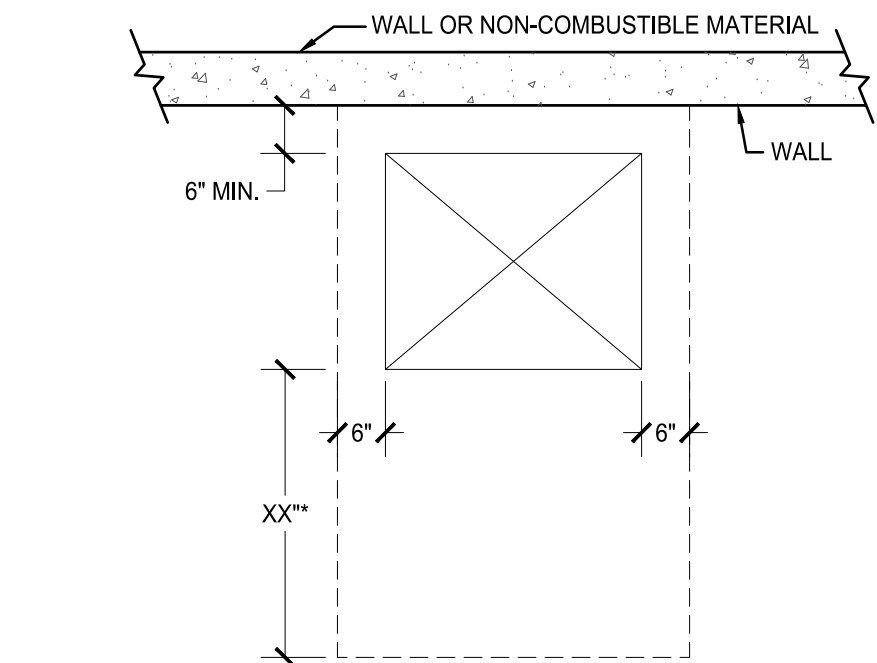
NO.	REVISIONS	DATE
0	ISSUED FOR BID	11-27-2024

DWG. TITLE

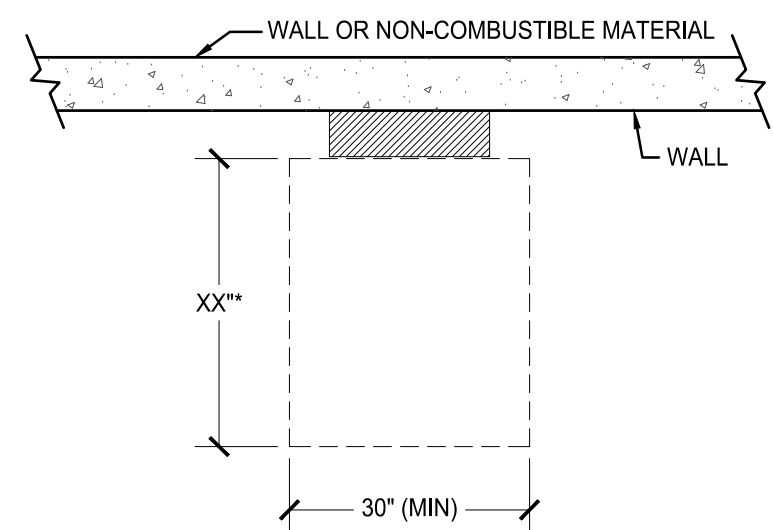
ELECTRICAL SITE PLAN

GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	11/27/2024
SCALE	AS NOTED
DWN.	VB1 CHK. JFW
PROJ. No.	279806
DWG. No.	



FLOOR MOUNTED DRY-TYPE TRANSFORMER



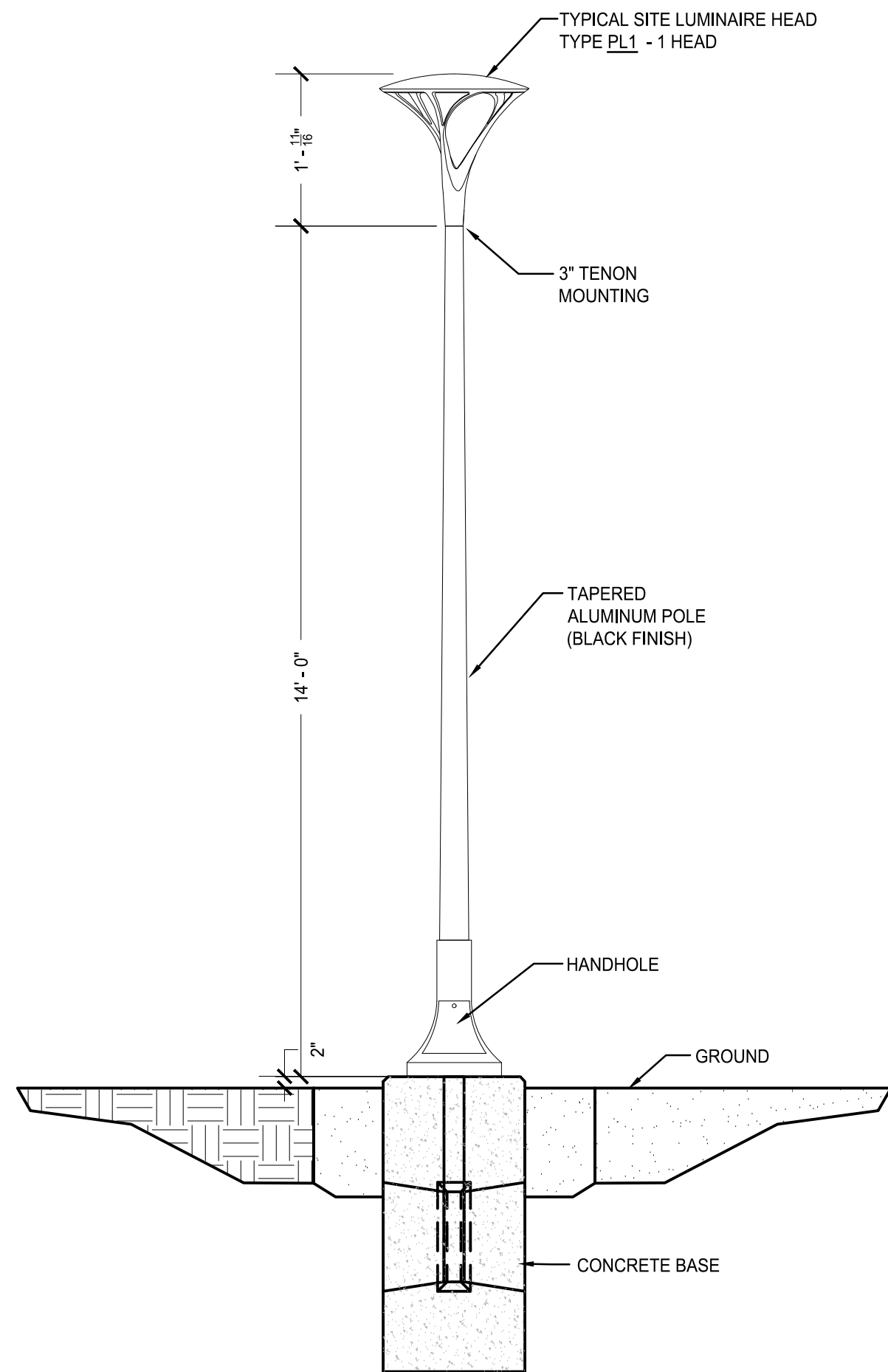
WALL MOUNTED PANELS

(INCLUDING POWER PANELS, CONTRACTORS, CONTROL CABINETS, DISCONNECT SWITCHES, MOTOR STARTERS, TIME CLOCK & SIMILAR ELECTRICAL EQUIPMENT)

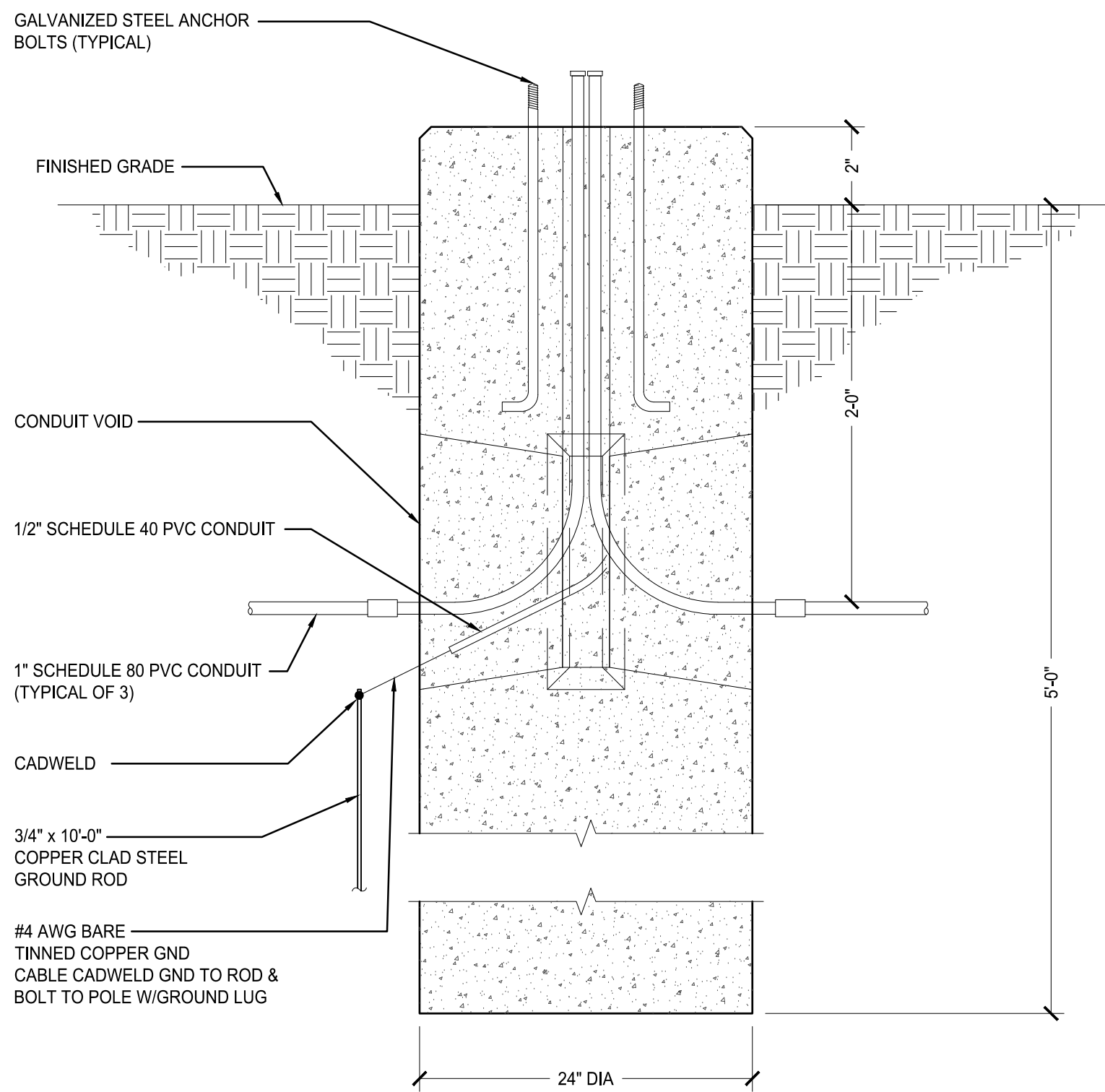
NOTES:

- XX" IDENTIFIES MINIMUM WORKING SPACE CLEARANCE REQUIREMENTS (IN THE DIRECTION OF ACCESS TO LIVE PARTS AS REQUIRED PER NFPA 70, SECTION 110.26(a))
- 36" FOR 0-150V PHASE TO GROUND ELECTRIC EQUIPMENT.
- 42" FOR 150-600V PHASE TO GROUND EQUIPMENT (CONDITION 2 "LIVE TO GROUND")
- 48" FOR 150-600V PHASE TO GROUND EQUIPMENT (CONDITION 3 "BETWEEN LIVE EQUIPMENT")
- MINIMUM WORKING SPACE HEAD ROOM SHALL BE 78" AFF.

1 TYPICAL ELECTRICAL EQUIPMENT CLEARANCES
SCALE: NONE



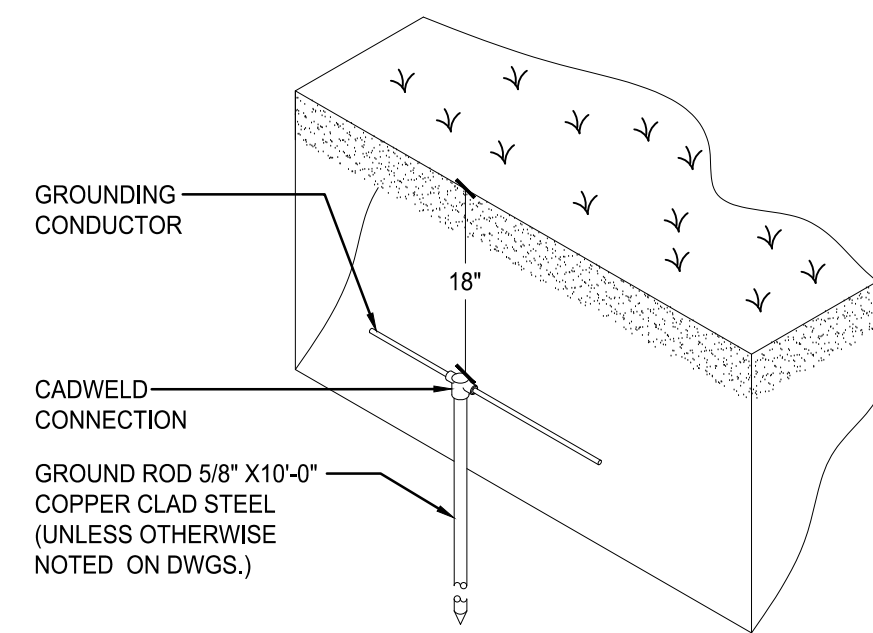
2 TYPE PL1 POLE ELEVATION DETAIL
SCALE: NONE



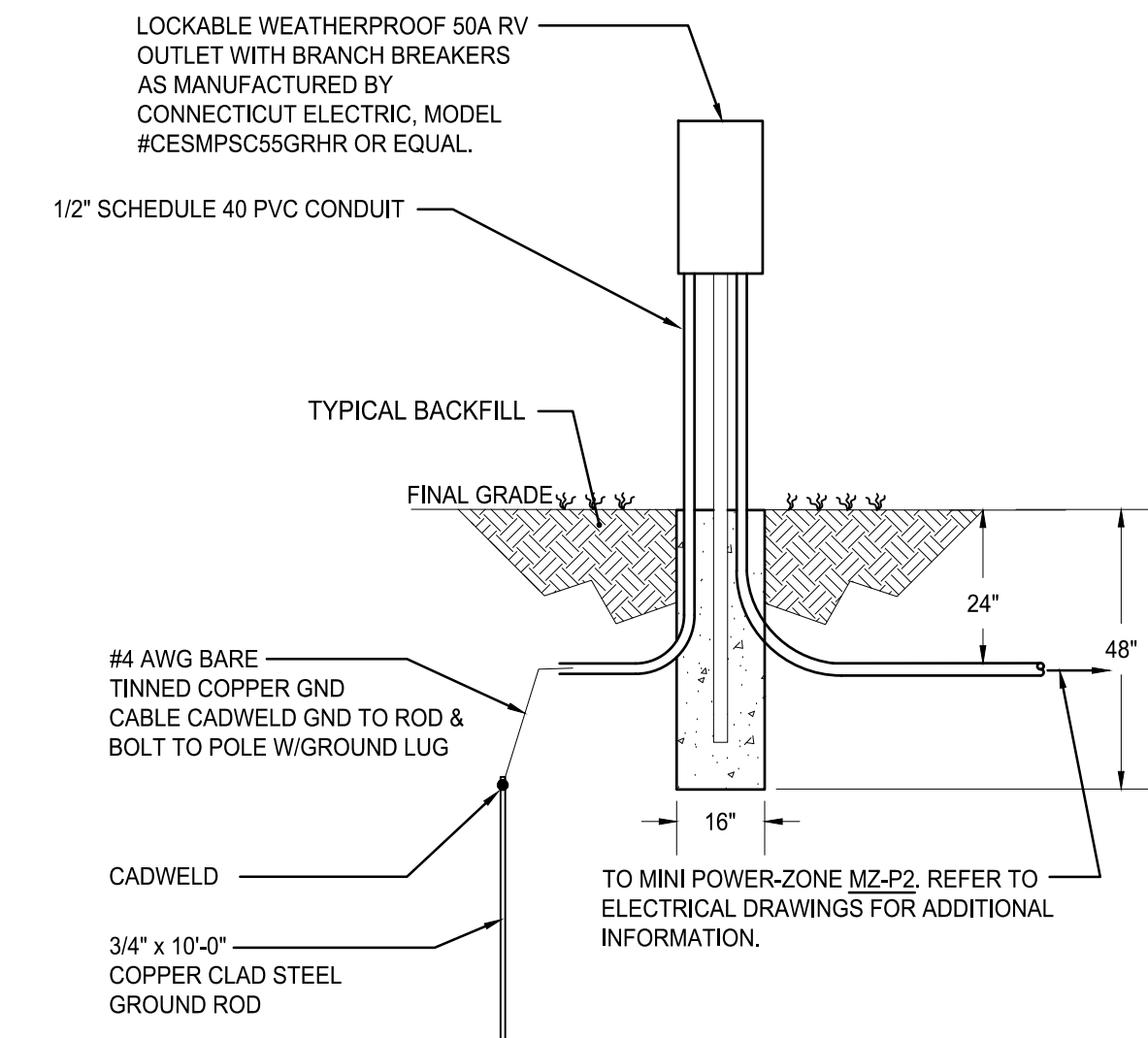
NOTES:

- CONTRACTOR SHALL COMPACT ALL BACKFILL.
- THE BASE SHALL BE PRECAST CONCRETE, 24" ROUND, 4000 PSI @28 DAYS. BASES SHALL BE DESIGNED TO RESIST/TRANSFER THE FOLLOWING SHEAR & MOMENT - $V_{MAX}=2.5k$ & $M_{MAX}=7.5\text{-FT-K}$ AS MANUFACTURED BY KISTNER PRECAST OR EQUAL.
- EXTEND ALL CONDUITS 6" INTO POLE CAVITY.
- CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS WITH SELECTED LUMINAIRE MANUFACTURER & ADJUST (INCREASE) ANY DIMENSIONS AS REQUIRED.

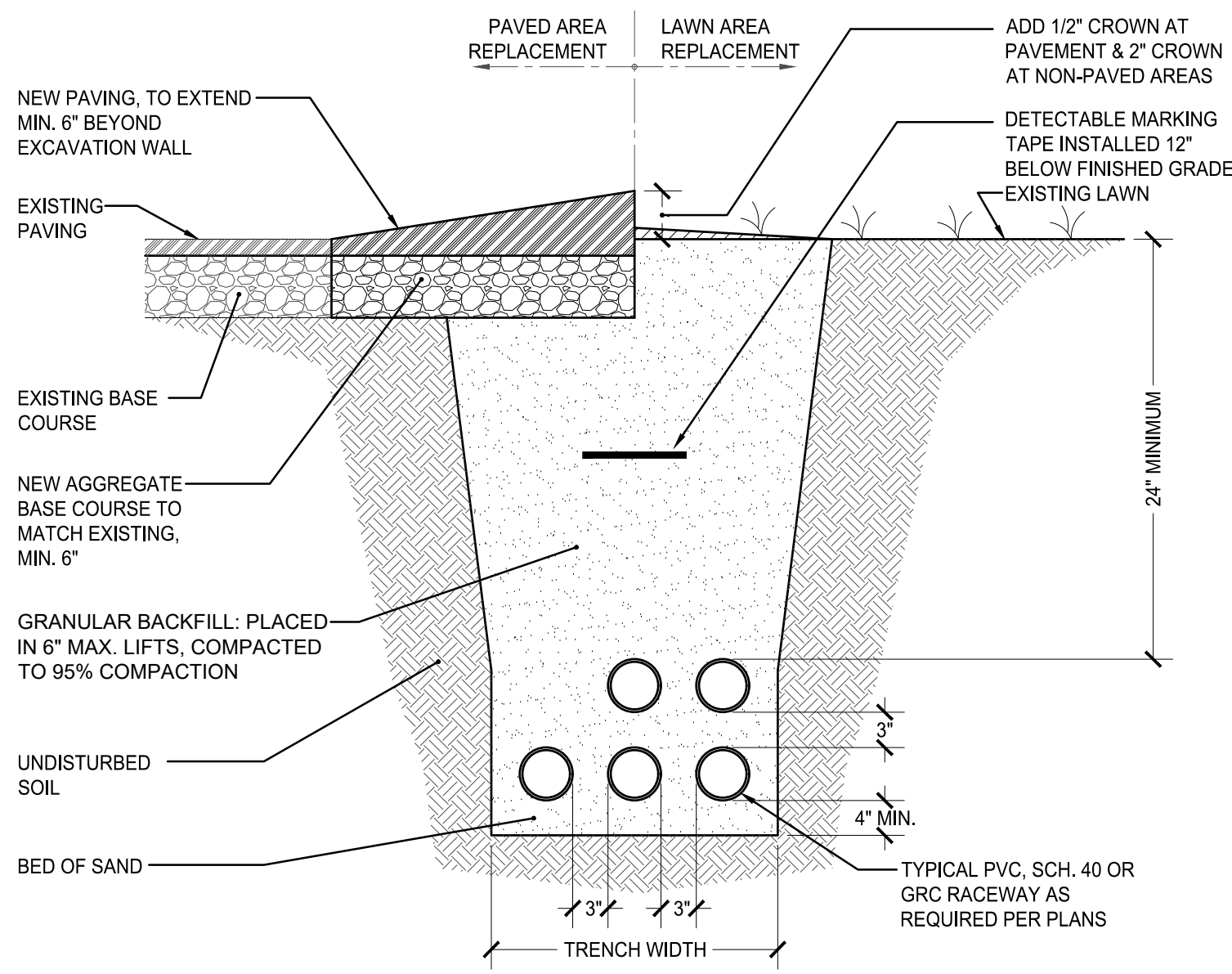
3 TYPE PL1 POLE BASE DETAIL
SCALE: NONE



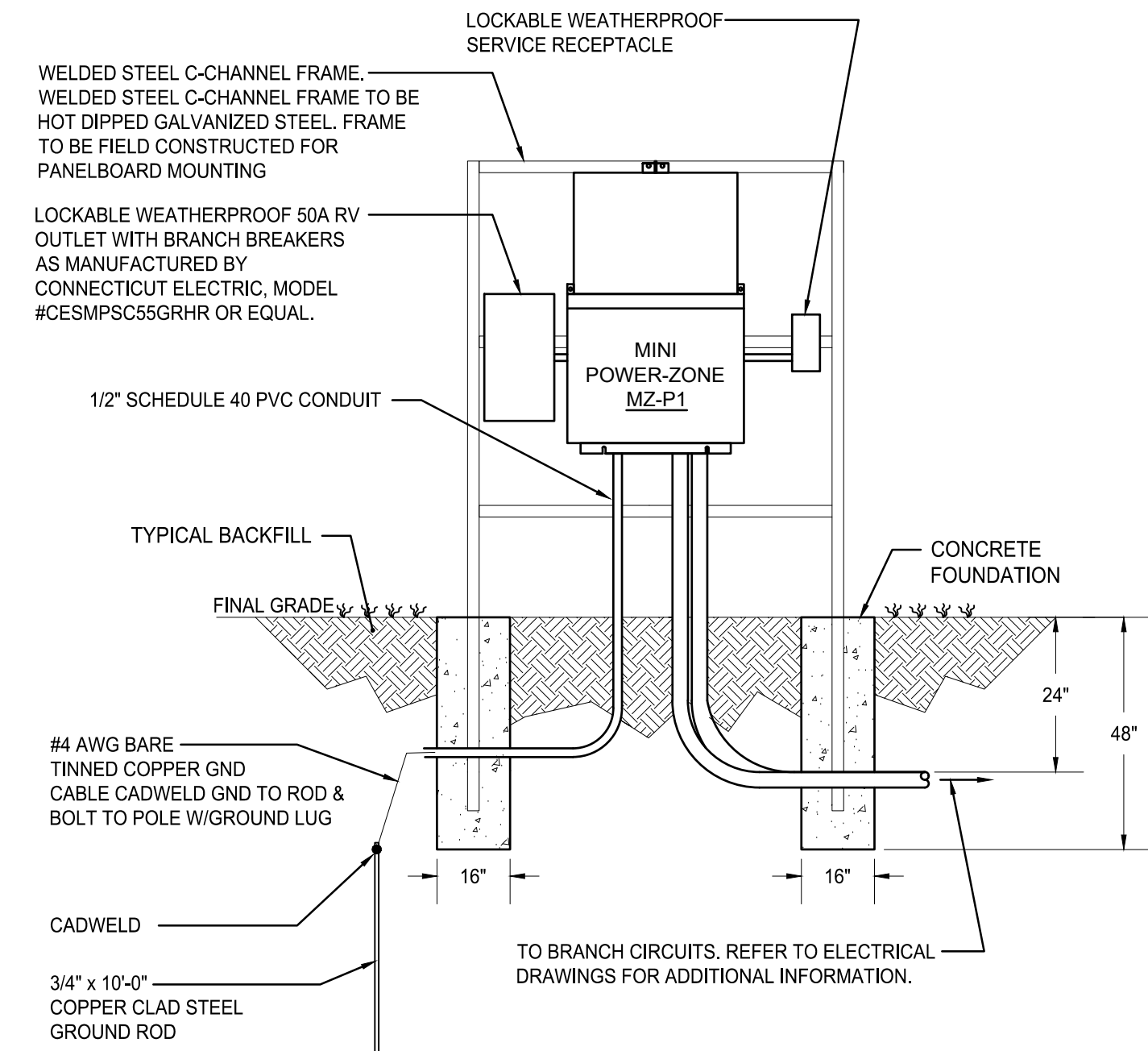
4 TYPICAL GROUND ROD INSTALLATION DETAIL
SCALE: NO SCALE



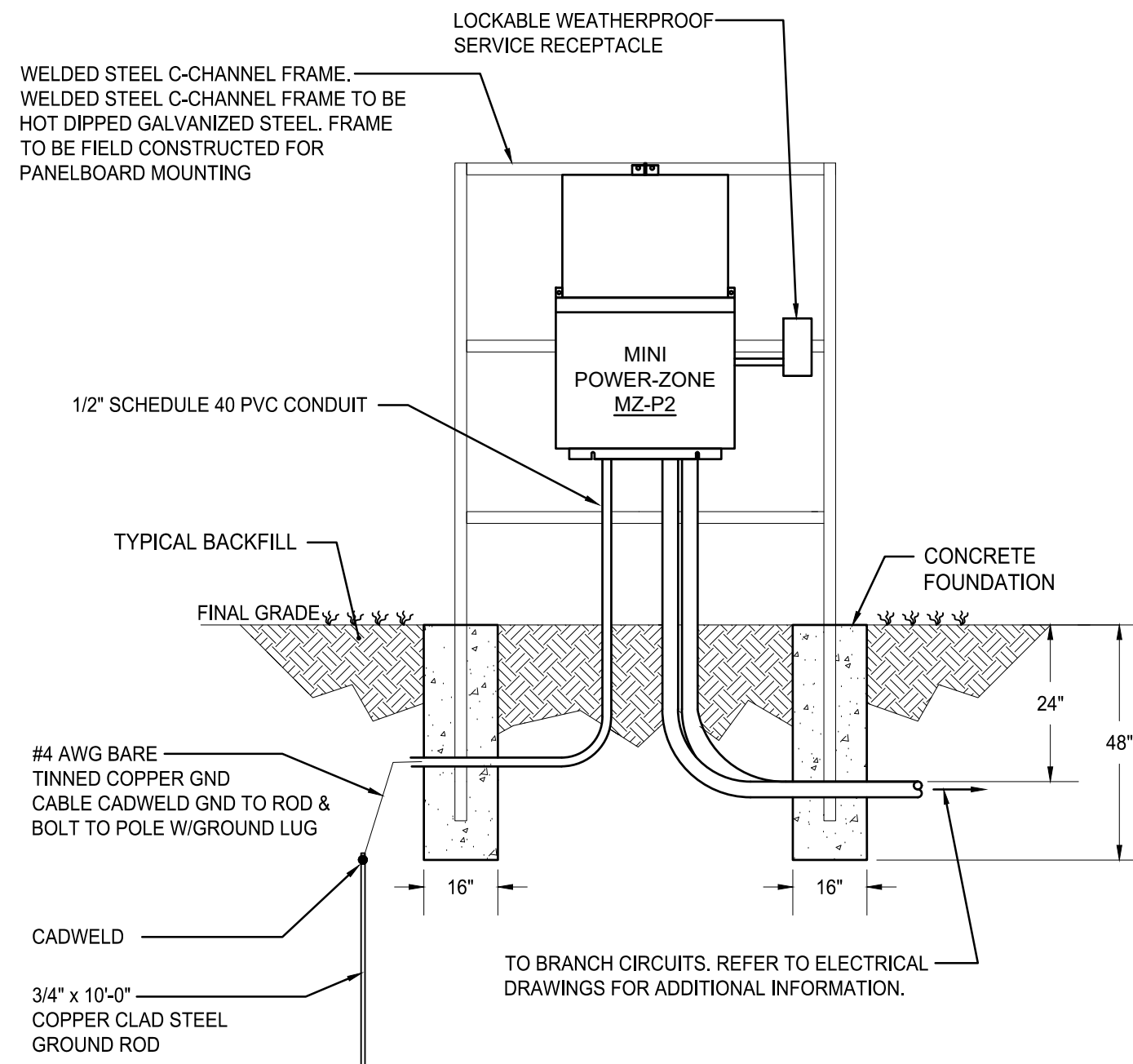
8 RV PANEL PEDESTAL DETAIL
SCALE: N.T.S.



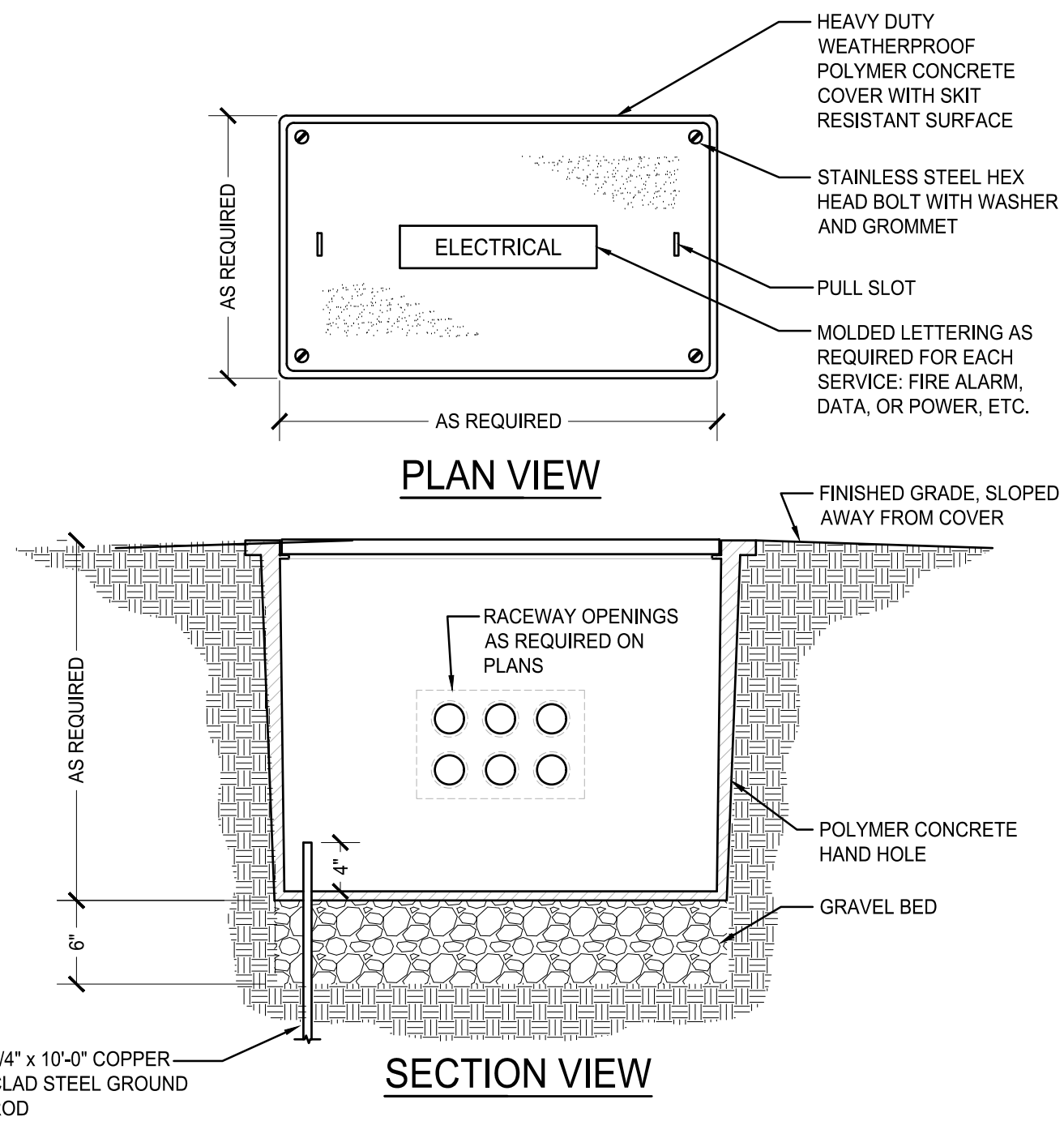
5 DIRECT BURIED ELECTRICAL TRENCH DETAIL
SCALE: NONE



6 MINI-ZONE PEDESTAL DETAIL
SCALE: N.T.S.



7 MINI-ZONE PEDESTAL DETAIL
SCALE: N.T.S.



NOTES:

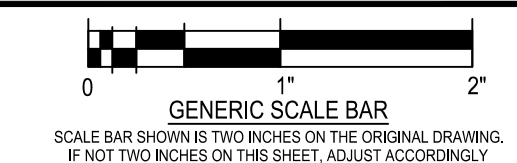
- ALL HANDHOLES SHALL BE PROVIDED WITH A CLOSED BOTTOM, UNLESS OTHERWISE INDICATED ON PLANS OR SPECIFICATIONS.

9 CLOSED BOTTOM HANDHOLE DETAIL
SCALE: NONE

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NO.	REVISIONS	DATE
0	ISSUED FOR BID	11-27-2024

ELECTRICAL DETAILS



DATE	11/27/2024
SCALE	AS NOTED
DWN.	VB1
PROJ. No.	279806
DWG. No.	

PANELBOARD SCHEDULE												
PANELBOARD		VOLTS: 480 V 3Ø 4-WIRE BUS CAPACITY: 225 A AIC: 65kA MTG: SURFACE MCO: 225 A ENCL: NEMA 4										
HPP1		EXTERIOR										
NAME		LOCATION										
No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1			LTG	5576	8805			3229	LTG	MUSCO SPORTS LIGHTING - B1 (SOFTBALL)	20A/3P	2
3	30A/3P	MUSCO SPORTS LIGHTING - F1 (FOOTBALL)	LTG	5576		8805		3229	LTG			4
5			LTG	5576			8805	3229	LTG			6
7			LTG	5576	7907			2331	LTG	MUSCO SPORTS LIGHTING - C1 (SOFTBALL)	20A/3P	8
9	30A/3P	MUSCO SPORTS LIGHTING - F2 (FOOTBALL)	LTG	5576		7907		2331	LTG			10
11			LTG	5576			7907	2331	LTG			12
13			LTG	6465	7133			668	LTG	MUSCO SPORTS LIGHTING - B2 (FOOTBALL/SOFTBALL)	20A/3P	14
15	30A/3P	MUSCO SPORTS LIGHTING - B2 (FOOTBALL/SOFTBALL)	LTG	6465		7133		668	LTG	(PEDESTRIAN)		16
17			LTG	6465			7133	668	LTG			18
19			LTG	5576	6244			668	LTG	MUSCO SPORTS LIGHTING - F2 (PEDESTRIAN)	20A/3P	20
21	30A/3P	MUSCO SPORTS LIGHTING - C4 (FOOTBALL/SOFTBALL)	LTG	5576		6244		668	LTG			22
23			LTG	5576			6244	668	LTG			24
25			LTG	1787	2455			668	LTG	MUSCO SPORTS LIGHTING - D1 (PEDESTRIAN)	20A/3P	26
27	20A/3P	MUSCO SPORTS LIGHTING - A1 (SOFTBALL)	LTG	1787		2455		668	LTG			28
29			LTG	1787			2455	668	LTG			30
31			LTG	1787	2455			668	LTG	MUSCO SPORTS LIGHTING - F1 (PEDESTRIAN)	20A/3P	32
33	20A/3P	MUSCO SPORTS LIGHTING - A2 (SOFTBALL)	LTG	1787		2455		668	LTG			34
35			LTG	1787			2455	668	LTG			36
37					7058			7058	PWR	PANEL BOA RD LPP1 VIA XFMR T-1	100A/3P	38
39						7882		7882	PWR			40
41							6945	6945	PWR			42

PANELBOARD SCHEDULE															
PANELBOARD		VOLTS: 240 V MIN. BUS RATING: 100 A MCB: 100 A MTG: SURFACE MLO: ENCL. NEMA 3R								1Ø 3-WIRE AIC: 18kA MTG: SURFACE ENCL. NEMA 3R			EXTERIOR		
MZ-P1		NAME								LOCATION					
No.	BKR	DESCRIPTION			TYPE	LOAD	L1	L2	LOAD	TYPE	DESCRIPTION			BKR	No.
1					REC	4800	4980		180	REC	SERVICE RECEPTACLE			20A/1P	2
3	50A/2P	50A RV RECEPTACLE			REC	4800		4980	180	REC	AWAY SIDELINE RECEPTACLE			20A/1P	4
5	20A/1P	SPARE					0				SPARE			20A/1P	6
7	20A/1P	SPARE						0			SPARE			20A/1P	8
9	20A/1P	SPARE					0				SPARE			20A/1P	10

PANELBOARD SCHEDULE												
PANELBOARD		VOLTS: 208 V 3Ø 4-WIRE BUS CAPACITY: 225 A AIC: 65kA MTG: SURFACE MCO: 225 A ENCL: NEMA 4										
LPP1		EXTERIOR										
NAME		LOCATION										
No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	SCOREBOARD	PWR	1080	1272			192	LTG	EXTERIOR LIGHTING - POST TOP	20A/1P	2
3	20A/1P	MUSCO CONTROLS ENCLOSURE	PWR	180		564		384	LTG	EXTERIOR LIGHTING - POST TOP	20A/1P	4
5	20A/1P	PITCHING MACHINE RECEPTACLE	REC	180			180			SPARE	20A/1P	6
7	20A/1P	DUGOUT RECEPTACLES	REC	180	180					SPARE	20A/1P	8
9	20A/1P	SCORERS TABLE RECEPTACLE	REC	180		180				SPARE	20A/1P	10
11							0			SPARE	20A/1P	12
13					0					SPARE	20A/1P	14
15						0				SPARE	20A/1P	16
17							0			SPARE	20A/1P	18
19					0					SPARE	20A/1P	20
21						0				SPARE	20A/1P	22
23							0			SPARE	20A/1P	24
25					0					SPARE	20A/1P	26
27						0				SPARE	20A/1P	28
29							0			SPARE	20A/1P	30
31					0					SPARE	20A/1P	32
33						0				SPARE	20A/1P	34
35							0			SPARE	20A/1P	36
37					6338			6338	PWR			38
39						6338		6338	PWR	PRESSBOX PANELBOARD	125A/3P	40
41							6338	6338	PWR			42

PANELBOARD SCHEDULE												
PANELBOARD		VOLTS: 240 V 1Ø 3-WIRE MIN. BUS RATING: 100 A AIC: 18kA MCB: 100 A MTG: SURFACE MLO: ENCL: NEMA 3R									EXTERIOR	
MZ-P2												
NAME		LOCATION										
No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	LOAD	TYPE	DESCRIPTION	BKR	No.	
1			REC	4800	4980		180	REC	SERVICE RECEPTACLE	20A/1P	2	
3	50A/2P	50A RV RECEPTACLE	REC	4800		4900	100	LTG	FLAG POLE LIGHTING	20A/1P	4	
5	20A/1P	SCOREBOARD	PWR	84	264		180	REC	PITCHING MACHINE RECEPTACLE	20A/1P	6	
7	20A/1P	SPARE				360	360	REC	DUGOUT RECEPTACLES	20A/1P	8	
9	20A/1P	SPARE			0				SPARE	20A/1P	10	

LUMINAIRE SCHEDULE								
TYPE		DESCRIPTION	MOUNTING	SHIELDING	DRIVER	LIGHT SOURCE	INPUT WATTS	BASIS OF DESIGN
SW4		NARROW, 4FT, PENDANT OR SURFACE MOUNTED, LED, LENSED BARE STRIPLIGHT TYPE LUMINAIRE WITH FOLLOWING MINIMUM SPECIFICATIONS: HOUSING SHALL CONSIST OF DIE FORMED CHANNEL THAT IS COLD ROLLED HEAVY GAGE STEEL. CHANNEL HOUSING SHALL CONTAIN LED DRIVER & PROVIDE AN ASSEMBLY FOR MOUNTING LED ARRAYS & CURVED LENSING OPTIONS. LUMINAIRE SHALL DESIGNED & MANUFACTURED TO ALLOW FOR WIDE OPTICAL DISTRIBUTION.	PENDANT OR SURFACE	WIDE DISTRIBUTION CURVED ACRYLIC LENS	<u>TYPE:</u> (1) LED DRIVER <u>VOLTAGE:</u> 120-277VAC <u>DIMMING:</u> 0-10V <u>EMERGENCY:</u> INTEGRAL EMERGENCY BATTERY/DRIVER, WHERE INDICATED ON PLANS	<u>SOURCE:</u> (1) LED ARRAY <u>LUMENS:</u> 4,400 DELIVERED <u>CCT:</u> 3500K <u>CRI:</u> 90 MIN	38	METALUX - SNLED LENSED SERIES OR EQUAL
PL1		OUTDOOR ARCHITECTURAL POST-TOP LED LUMINAIRE WITH FOLLOWING MINIMUM SPECIFICATIONS: HOUSING SHALL BE LOW COPPER CONTENT CORROSION RESISTANT ALUMINUM. TYPE III DISTRIBUTION. CAST ALUMINUM POLE, 14FT WITH 3" OD POST TENNON MOUNTING. PROVIDE COMPLETE WITH CONCRETE BASE. PROVIDE WITH NEMA RECEPTACLE FOR PHOTOCCELL.	ON POLE	N/A	<u>TYPE:</u> (1) LED DRIVER, COLD WEATHER START <u>VOLTAGE:</u> 120-277VAC <u>DIMMING:</u> N/A	<u>SOURCE:</u> (40) LED ARRAY @ 350ma <u>LUMENS:</u> 4,500 DELIVERED <u>CCT:</u> 4000K <u>CRI:</u> 85 MIN	48	INVUE - ARB SERIES OR EQUAL
		POLE SHALL BE 14 FEET HIGH & COMPATIBLE WITH LIGHT FIXTURE. FINISH TO MATCH THE LUMINAIRE						
GENERAL LUMINAIRE SCHEDULE NOTES: A. UNLESS OTHERWISE NOTED, BASIS OF DESIGN MANUFACTURER'S NAMES AND CATALOG NUMBERS ARE USED FOR QUALITY AND PERFORMANCE ONLY. WHERE INDICATED "OR EQUAL" LUMINAIRE AND THEIR ASSOCIATED DEVICES MANUFACTURED BY OTHERS SHALL BE EQUALLY ACCEPTABLE PROVIDED THEY MEET OR EXCEED IN PERFORMANCE AND QUALITY OF THE BASIS OF DESIGN LUMINAIRE. B. CONTRACTOR SHALL VERIFY VOLTAGE SUPPLY TO EACH LUMINAIRE PRIOR TO ORDERING THE APPROVED FIXTURE. C. ALL LUMINAIRES SHALL BE FURNISHED COMPLETE WITH SPECIFIED LAMPS IF APPLICABLE. D. LUMINAIRES SHALL BE INDEPENDENTLY SUPPORTED IN ACCORDANCE WITH ALL APPLICABLE CODES & SPECIFICATIONS E. CONTRACTOR SHALL VERIFY CEILING TYPE FOR EACH LUMINAIRE LOCATION & ORDER ACCORDINGLY. F. ALL LED LUMINAIRES SHALL BE DESIGNED & MANUFACTURED IN ACCORDANCE WITH IESNA LM-79 & LM-80 STANDARDS. G. CONTRACTOR SHALL VERIFY ALL MOUTING REQUIREMENTS OF EACH EXIT SIGN PRIOR TO ORDERING, AS WELL AS DIRECTIONAL REQUIREMENTS. H. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING LUMINAIRE AND INSTALLATION REQUIREMENTS. PROVIDE ALL LISTED OPTIONS AND ACCESSORIES. I. UNLESS OTHERWISE NOTED, REMOTE POWER SUPPLIES SHALL BE LOCATED IN NEARBY, DRY, VENTILATED LOCATION, MINIMIZE DISTANCE AND PROVIDE CONDUCTOR SIZE AS REQUIRED BY THE MANUFACTURER. J. UNLESS OTHERWISE NOTED, ALL EMERGENCY BATTERY/DRIVERS SHALL BE WIRED FOR A SWITCHED CIRCUIT. REFER TO MANUFACTURER INSTRUCTIONS FOR WIRING INFORMATION K. ALL LUMINAIRES THAT CALL FOR EMERGENCY INTEGRAL BATTERIES; BATTERY SWITCH SHALL BE WIRED SO THAT THE SENSING LEAD IS AHEAD OF ANY LOCAL SWITCHING DEVICES.								



SUNY ERIE

6205 MAIN STREET
WILLIAMSVILLE, NY 14221

SPORTS PLAYING
FIELD PROJECT
PHASE 1

ISSUED FOR BID



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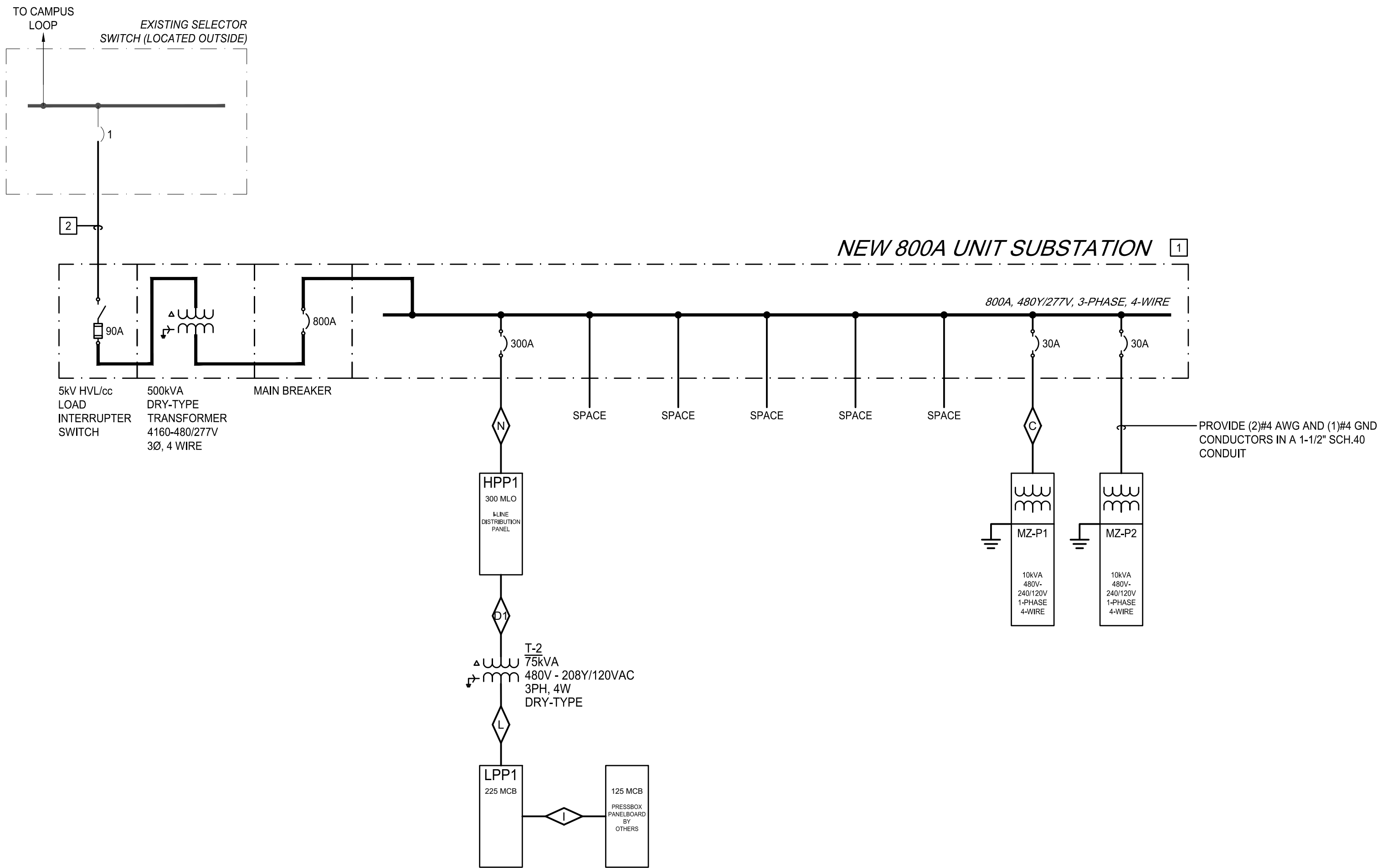
0	ISSUED FOR BID	11-27-2024
NO.	REVISIONS	DATE

DWG. TITLE

ELECTRICAL SCHEDULES

1" = 2"	
GENERIC SCALE BAR	
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY	
DATE	11/27/2024
SCALE	AS NOTED
DWN.	VB1
CHK.	JFW
PROJ. No.	279806
DWG. No.	

E501



1 SINGLE LINE DIAGRAM
SCALE: N.T.S.

CONSTRUCTION NOTES:

- PROVIDE NEW UNIT SUBSTATION AS MANUFACTURED BY SQUARE D, POWER ZONE MODEL 3 PACKAGE UNIT SUBSTATION WITH HVLCC LOAD INTERRUPTER SWITCH OR EQUAL.
- PROVIDE (3) #2 AWG, 15kV, 133% INSULATION, 105°C EPR, AND #8 GROUND CABLE IN A 2" SCH.80 PVC CONDUIT.



SUNY ERIE

6205 MAIN STREET
WILLIAMSVILLE, NY 14221

SPORTS PLAYING
FIELD PROJECT
PHASE 1

ISSUED FOR BID



Centerpointe Corporate Park
375 Essay Road, Suite 200
Williamsville, NY 14221
www.wendelcompanies.com
p:716.688.0766 f:716.625.6825

WENDEL ARCHITECTURE, P.C

FEEDER SIZE SCHEDULE
(COPPER)

OVER-CURRENT DEVICE RATING	WIRE SIZE AWG OR KCMIL		4-WIRE FEEDERS WITH EQUIPMENT GROUND		3-WIRE FEEDERS WITH EQUIPMENT GROUND		4-WIRE SEPARATELY DERIVED SYSTEM FEEDERS GROUNDING ELECTRODE CONDUCTOR			4-WIRE FEEDERS W/O EQUIPMENT GROUND (UTILITY SECONDARY)	
	PHASE & NEUTRAL	GND.	Ø	CONDUIT SIZE	Ø	CONDUIT SIZE	Ø	GEC	CONDUIT SIZE	Ø	CONDUIT SIZE
20	12	12	A	3/4"	A1	3/4"	A2	8	3/4"	A3	3/4"
30	10	10	B	3/4"	B1	3/4"	B2	8	3/4"	B3	3/4"
40	8	10	C	3/4"	C1	3/4"	C2	8	3/4"	C3	3/4"
60	6	10	D	1"	D1	1"	D2	8	1"	D3	1"
70	4	10	E	1-1/4"	E1	1-1/4"	E2	8	1-1/4"	E3	1 1/4"
100	2	8	F	1-1/4"	F1	1-1/4"	F2	8	1-1/4"	F3	1 1/4"
110	1	6	G	1-1/2"	G1	1-1/2"	G2	6	1-1/2"	G3	1 1/2"
125	1/0	6	H	2"	H1	2"	H2	6	2"	H3	2"
150	1/0	6	I	2"	I1	2"	I2	6	2"	I3	2"
175	2/0	6	J	2"	J1	2"	J2	4	2"	J3	2"
200	3/0	6	K	2"	K1	2"	K2	4	2"	K3	2"
225	4/0	4	L	2-1/2"	L1	2-1/2"	L2	2	2-1/2"	L3	2 1/2"
250	250	4	M	2-1/2"	M1	2-1/2"	M2	2	2-1/2"	M3	2 1/2"
300	350	4	N	3"	N1	3"	N2	2	3"	N3	3"
350	500	2	O	3"	O1	3"	O2	2	3"	O3	3"
400	600	2	P	4"	P1	3"	P2	1/0	3"	P3	3"
450	(2) 4/0	2	Q	(2) 2-1/2"	Q1	(2) 2-1/2"	Q2	1/0	(2) 2-1/2"	Q3	(2) 2-1/2"
500	(2) 250	2	R	(2) 2-1/2"	R1	(2) 2-1/2"	R2	1/0	(2) 2-1/2"	R3	(2) 2-1/2"
600	(2) 350	1	S	(2) 4"	S1	(2) 4"	S2	3/0	(2) 4"	S3	(2) 4"
700	(2) 500	1/0	T	(2) 4"	T1	(2) 4"	T2	3/0	(2) 4"	T3	(2) 4"
800	(2) 600	1/0	U	(2) 4"	U1	(2) 4"	U2	3/0	(2) 4"	U3	(2) 4"
1000	(3) 500	2/0	V	(3) 4"	V1	(3) 4"	V2	3/0	(3) 4"	V3	(3) 4"
1200	(3) 600	3/0	W	(3) 4"	W1	(3) 4"	W2	3/0	(3) 4"	W3	(3) 4"
1600	(4) 600	4/0	X	(4) 4"	X1	(4) 4"	X2	3/0	(4) 4"	X3	(4) 4"
2000	(5) 600	250	Y	(5) 4"	Y1	(5) 4"	Y2	3/0	(5) 4"	Y3	(5) 4"
2500	(6) 600	350	Z	(6) 4"	Z1	(6) 4"	Z2	3/0	(6) 4"	Z3	(6) 4"
3000	(8) 500	500	AA	(8) 4"	AA1	(8) 4"	AA2	3/0	(8) 4"	AA3	(8) 4"
4000	(10) 600	500	BB	(10) 4"	BB1	(10) 4"	BB2	3/0	(10) 4"	BB3	(10) 4"
5000	(12) 600	2-500	CC	(12) 4"	CC1	(12) 4"	CC2	3/0	(12) 4"	CC3	(12) 4"
6000	(16) 500	2-500	DD	(16) 4"	DD1	(16) 4"	DD2	3/0	(16) 4"	DD3	(16) 4"

NOTE:
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0	ISSUED FOR BID	11-27-2024

DWG. TITLE

SINGLE LINE DIAGRAM

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING.
IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE 11/27/2024
SCALE AS NOTED
DWN. VB1 CHK. JFW
PROJ. No. 279806
DWG. No.

E601