

SITE IMPROVEMENT PLAN FOR ROSA PARKS SQUARE

MACON, GEORGIA

PREPARED FOR:

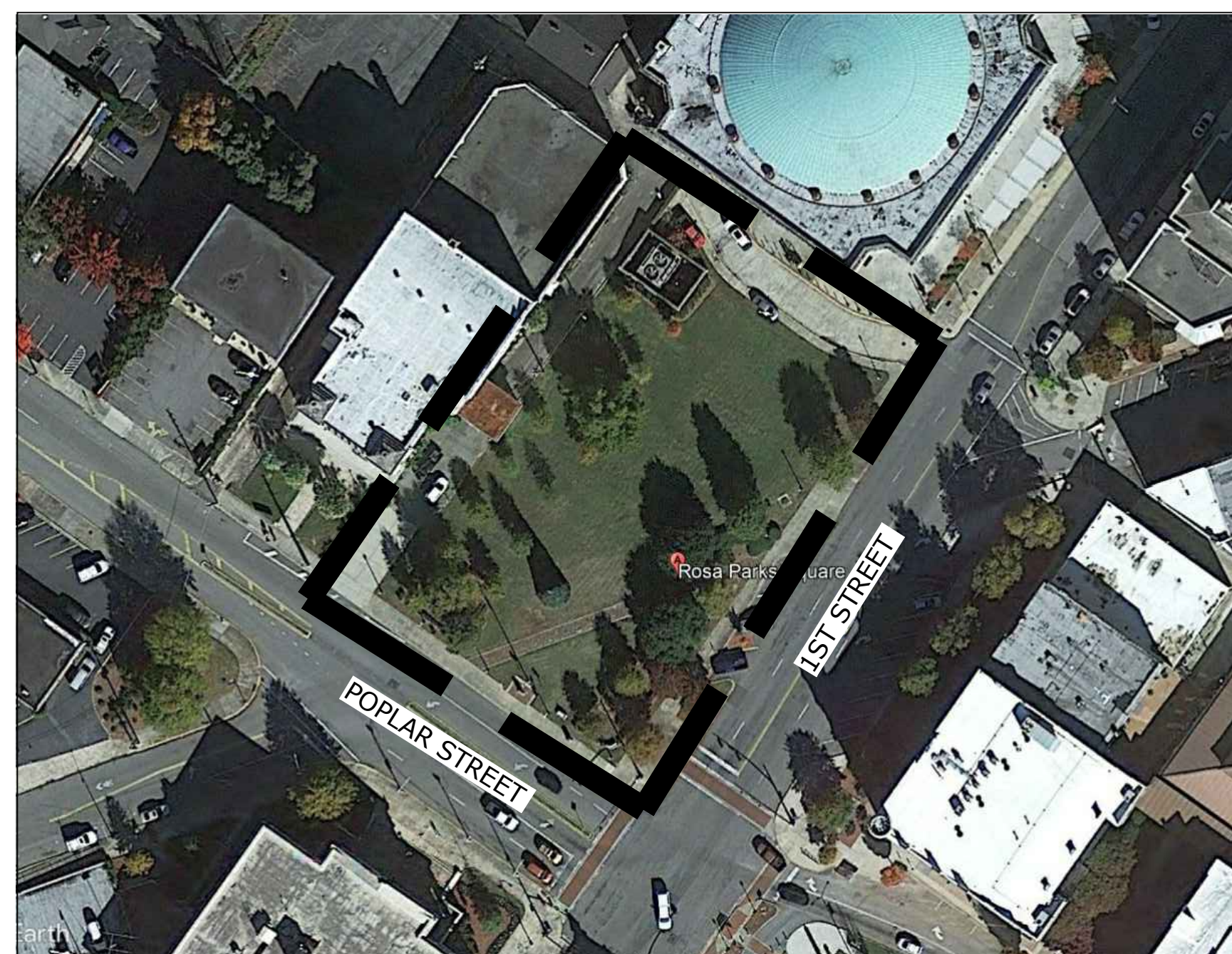
MACON-BIBB COUNTY

MACON, GEORGIA

11/11/2021

100% CONSTRUCTION DRAWINGS

SITE LOCATION MAP



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STRIPING AND SIGNAGE:

1. WARNING DEVICES SHALL BE PLACED PRIOR TO THE COMMENCEMENT OF WORK WITHIN A PUBLIC RIGHT-OF-WAY AND SHALL REMAIN IN PLACE UNTIL THE WORK WITHIN THE RIGHT-OF-WAY HAS BEEN COMPLETED.
2. ALL WARNING DEVICES SHALL CONFORM WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS AND LOCAL ORDINANCES FOR COLOR, SIZE, REFLECTIVITY, HEIGHT, AND PLACEMENT.
3. ALL SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS AND LOCAL ORDINANCES FOR COLOR, SIZE, REFLECTIVITY, HEIGHT, AND PLACEMENT.
4. PAVEMENT MARKINGS, STRIPING (WHITE AND YELLOW), AND ARROW MARKINGS SHALL BE APPLIED USING PAINT MEETING THE STANDARDS OF THE GEORGIA DOT OR LOCAL ORDINANCE.
5. WHEN NECESSARY, EXISTING STRIPING SHALL BE REMOVED BY GRINDING, UNLESS SPECIFIED OTHERWISE BY THE LOCAL TRAFFIC ENGINEER.

CONTRACTOR/DEVELOPER NOTES:

1. FOR OTHER SITE, MISCELLANEOUS AND/OR SPECIAL NOTES SPECIFIC TO VARIOUS CONSTRUCTION PHASES, REFER TO EACH INDIVIDUAL SHEET FOR SAID NOTES AND/OR CONDITIONS.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND TO THE STORMWATER CONVEYANCE SYSTEM, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS. TOP OF GROUND CONTACT ADJUSTMENT TO A BUILDING SLAB SHALL BE AT AN ELEVATION 8" BELOW THE SLAB ELEVATION (FFE).
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT PRIOR TO ORDERING PROJECT MATERIALS THE MOST CURRENT SET OF CONSTRUCTION DOCUMENTS HAVE BEEN OBTAINED FROM THE ENGINEER INCLUDING, BUT NOT LIMITED TO, THE APPROVED SET(S) FROM ALL APPLICABLE AGENCIES AS APPROPRIATE.
4. THE DEVELOPER AND/OR DEVELOPERS CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT LOCATION, SIZE AND MATERIAL OF ANY EXISTING UTILITY, WATER OR SEWER FACILITY PROPOSED FOR CONNECTION OR USE BY THIS PROJECT.
5. DISTURBANCE TO ANY SURVEY MARKER MAY REQUIRE RE-ESTABLISHMENT OF THE MARKER OR MONUMENT BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.

DEMOLITION:

1. CONTRACTOR SHALL REVIEW SITE DEVELOPMENT PLANS, AND SHALL REMOVE ALL EXISTING SITE FEATURES REQUIRED FOR CONSTRUCTING THE PROPOSED IMPROVEMENTS.
2. ALL PAVEMENT TO BE REMOVED (CONCRETE & ASPHALT) SHALL BE SAW CUT AT THE EDGE OF THE REMOVAL.
3. THE CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY OWNERS TO ENSURE UNINTERRUPTED UTILITY SERVICE TO USERS. SERVICE LINES TO BE REMOVED SHALL BE REMOVED TO THE MAIN LINE.
4. CLEAN-UP AND DISPOSAL: TRANSPORT TRASH, RUBBISH AND DEBRIS FROM SITE DAILY AND DISPOSE OF THEM IN A LEGAL FASHION. REMOVE AND PROMPTLY DISPOSE OF CONTAMINATED, VERMIN INFESTED, OR DANGEROUS MATERIALS ENCOUNTERED. DO NOT BURN OR BURY MATERIALS ON SITE. REMOVE TOOLS, EQUIPMENT AND PROTECTIONS WHEN WORK IS COMPLETE AND WHEN AUTHORIZED TO DO SO BY THE OWNER AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THE WORK.

GRADING AND EARTHWORK NOTES:

1. **SURVEY CONTROL**
 - a. THE VERTICAL AND HORIZONTAL DATUM FOR THIS PROJECT CAN BE OBTAINED FROM THE SURVEYOR LISTED ON THE TITLE SHEET.
 - b. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF EXISTING CONDITIONS ENCOUNTERED ON THE PROJECT SITE DIFFER FROM THOSE DEPICTED ON THE PLANS. IF ANY CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED EITHER ON THE CONSTRUCTION DOCUMENTS OR THE FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY AND SHALL NOT COMMENCE OR CONTINUE OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, AND/OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.
2. UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING AS DEPICTED ON THE DRAWINGS, INCLUDING ADJACENT TRANSITION AREAS. SMOOTH FINISHED SOIL SURFACE WITHIN 0.1' OF THE PROPOSED CONTOURS AS DEPICTED ON THE DRAWINGS. COMPACT WITH UNIFORM LEVELS OR SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE SHOWN, OR BETWEEN SUCH POINTS AND EXISTING GRADES.
3. **CONTRACTOR SHALL OBTAIN AND REVIEW THE GEOTECHNICAL REPORT**
4. **SUBGRADE AND FOUNDATION PREPARATION:**
 - a. REMOVE ALL TOPSOIL, VEGETATION, DEBRIS, UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACEMENT OF FILLS. TOPSOIL SHALL BE CONSIDERED TO MEAN ORIGINAL SURFACE SOIL, TYPICAL OF AREA, WHICH IS CAPABLE OF SUPPORTING NATIVE PLANT GROWTH, AND SHALL BE FREE OF LARGE STONES, ROOTS, BRUSH, WASTE CONSTRUCTION DEBRIS AND OTHER UNDESIRABLE MATERIAL OR CONTAMINATION. PLOW, STRIP, OR BREAK-UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO THAT FILL MATERIAL WILL BOND WITH EXISTING SURFACE.
 - b. WHEN EXISTING GROUND SURFACE HAS A DENSITY LESS THAN THAT SPECIFIED UNDER "COMPACTION" FOR PARTICULAR AREA CLASSIFICATIONS, BREAK UP GROUND SURFACE, PULVERIZE, MOISTURE-CONDITION TO OPTIMUM MOISTURE CONTENT, AND COMPACT TO REQUIRED DEPTH AND PERCENTAGE OF MAXIMUM DENSITY. REMOVE AND REPLACE ANY EXISTING GROUND MATERIAL THAT DOES NOT MEET THE CRITERIA FOR SATISFACTORY SOIL MATERIAL OR WILL NOT COMPACT TO THE SPECIFICATIONS LISTED BELOW.
5. **SATISFACTORY SOIL MATERIALS:** SATISFACTORY SOIL MATERIALS FOR FILL MATERIAL SHALL BE LIMITED TO SOILS CLASSIFIED IN ACCORDANCE WITH ASTM D2487 AS SM, SC, ML AND CL. SATISFACTORY SOIL MATERIALS DESCRIBED ABOVE MUST BE FREE OF CLAY, ROCK OR GRAVEL LARGER THAN 2" IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETABLE AND OTHER DELETERIOUS MATTER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TESTING INCLUDING TESTING OF BORROW MATERIALS TO DETERMINE SUITABILITY FOR USE AS FILL MATERIAL. UNSUITABLE MATERIALS FOR FILLING AND BACKFILLING ARE THOSE CLASSIFIED AS MH, CH, OL, OH AND PT IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM. EXCAVATED SOILS THAT ARE TOO WET TO COMPACT SHALL NOT BE CLASSIFIED UNSUITABLE DUE TO HIGH MOISTURE CONTENT ALONE.
6. **SOIL PLACEMENT, COMPACTION, AND TESTING REQUIREMENTS**
 - a. CONTROL SOIL COMPACTION DURING CONSTRUCTION PROVIDING NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY (ASTM D-698) FOR SOILS WHICH EXHIBIT A WELL-DEFINED MOISTURE DENSITY RELATIONSHIP DETERMINED IN ACCORDANCE WITH ASTM STANDARDS.
 - b. ADDITIONAL COMPACTION SPECIFICATIONS MAY BE ASSOCIATED WITH THE CONSTRUCTION DETAILS.
 - c. PLACE BACKFILL AND MATERIALS IN LAYERS NOT MORE THAN 6" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND OPERATED TAMPERS.
 - d. BEFORE COMPACTION, MOISTEN OR AERATE EACH LAYER AS NECESSARY TO PROVIDE OPTIMUM (OR UP TO 3% ABOVE OPTIMUM FOR DETENTION OR SEDIMENT POND DAMS) MOISTURE CONTENT. COMPACT EACH LAYER TO REQUIRED PERCENTAGE OF MAXIMUM DRY DENSITY OR RELATIVE DRY DENSITY FOR EACH AREA CLASSIFICATION. DO NOT PLACE BACKFILL OR FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN, OR CONTAIN FROST OR ICE. REMOVE AND REPLACE, OR SCARIFY AND AIR DRY, SOIL MATERIAL THAT IS TOO WET TO PERMIT COMPACTION TO SPECIFIED DENSITY.
 - e. PLACE BACKFILL AND FILL MATERIALS EVENLY ADJACENT TO STRUCTURES TO REQUIRED ELEVATIONS. TAKE CARE TO PREVENT WEDGING ACTION OF BACKFILL AGAINST STRUCTURES BY CARRYING MATERIAL UNIFORMLY AROUND STRUCTURE TO APPROXIMATELY SAME ELEVATION IN EACH LIFT. COMPACTION OF SOILS ADJACENT TO STRUCTURES MUST MEET THE SPECIFICATIONS LISTED ABOVE.
 - f. PERFORM FIELD DENSITY TESTS IN ACCORDANCE WITH ASTM D 2937 (DRIVE CYLINDER METHOD), ASTM D 1556 (SAND CONE METHOD), AS APPLICABLE, OR NUCLEAR METHOD ASTM D 2922. MAKE AT LEAST ONE FIELD DENSITY TEST FOR EACH 12" LAYER OF FILL PLACEMENT FOR EVERY 2,500 SQ. FT. OF FILL AREA FOR DAMS OR 5,000 SQ. FT. FOR NON-DAM EARTHWORK AREAS.
 - g. IF IN THE OPINION OF THE ENGINEER, BASED ON TESTING SERVICE REPORTS AND INSPECTIONS, SUBGRADE OR FILLS WHICH HAVE BEEN PLACED ARE BELOW SPECIFIED DENSITY, THE CONTRACTOR SHALL REMOVE THE UNSUITABLE FILL AND REPLACE IT WITH FILL MATERIAL COMPACTED TO THE SPECIFICATIONS ABOVE.
7. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF THE DISCOVERY OF ANY GROUNDWATER, SUB-SURFACE SEEPAGE, OR SPRINGS DISCOVERED DURING THE COURSE OF CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO CONSULT WITH A REGISTERED GEOTECHNICAL ENGINEER TO INSPECT THE SITE, AND TO MAKE ANY RECOMMENDATIONS REGARDING EVIDENCE AND REMEDIATION (IF ANY) OF SAID SUB-SURFACE WATERS.
8. THE CONTRACTOR SHALL INCLUDE IN THE BID COSTS RELATED TO TEMPORARY AND/OR PERMANENT MEASURES PROVIDED TO REMOVE SUBSURFACE SEEPAGE, SPRINGS OR OTHER GROUND WATER DURING AND PERMITTING, FRENCH DRAIN, ETC. WHETHER OR NOT DEPICTED IN THE BID SET.
9. ALL CUT AND FILL SLOPES (WHERE NO WALL IS PROPOSED) SHALL BE EQUAL TO OR FLATTER THAN 3:1 (HORIZONTAL:VERTICAL), UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL LOCAL PERMITS INCLUDING, BUT NOT LIMITED TO BUILDING, EROSION CONTROL, LAND DISTURBANCE, AND ENCROACHMENT PERMITS. NO WORK IS TO BE INITIATED UNTIL PERMITS ARE RECEIVED.

ELECTRONIC CAD FILE NOTICE

THE DWG FILE ASSOCIATED WITH THIS PLAN IS ONLY SUITABLE FOR USE BY THE DESIGN PROFESSIONAL FOR PRODUCING PRINTS OF THE DESIGN INTENT. ANY OTHER USE OF THE DWG FILE IS AT THE RISK OF THE USER.

UTILITY LOCATION:

1. THE CONTRACTOR SHALL LOCATE UTILITIES BY CALLING (TOLL FREE) 811 A MINIMUM OF 48 HOURS PRIOR TO THE START OF ANY EXCAVATION AS SHOWN ON THIS PLAN. ABOVE GROUND UTILITY LOCATIONS SHOWN ON THIS PLAN WERE OBTAINED FROM FIELD OBSERVATIONS. UNDERGROUND UTILITY LOCATIONS AND EASEMENT LOCATIONS AND/OR REFERENCES WERE FURNISHED TO US BY AGENCIES OR INDIVIDUALS AND WE DO NOT CERTIFY THE ACCURACY OR COMPLETENESS OF THIS INFORMATION. UTILITY LOCATIONS SHALL BE CONFIRMED IN THE FIELD PRIOR TO PROCEEDING WITH CONSTRUCTION. THE OWNER SHALL COORDINATE WITH EASEMENT AND UTILITY OWNERS PRIOR TO COMMENCING CONSTRUCTION.
2. ALL EXISTING UTILITIES, UTILITIES EASEMENTS, AND UTILITY RIGHT-OF-WAY MAY NOT BE DEPICTED ON THESE DRAWINGS. UNDERGROUND UTILITY LOCATIONS SHOWN ON THIS PLAN (IF ANY) ARE APPROXIMATE ONLY, AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF ANY SUCH UTILITIES. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO COMMENCING WORK. THE UTILITY LOCATIONS SHOWN ON THIS PLAN ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY TO VERIFY UTILITY LOCATIONS. CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY EXISTING UTILITIES WILL AFFECT OR IMPEDE THE PROGRESSION OR COMPLETION OF THE DESIGN INTENT OF THESE CONSTRUCTION DOCUMENTS.
3. THE CONTRACTOR SHALL COORDINATE RELOCATION OF ANY EXISTING UTILITIES WITH THE APPROPRIATE UTILITY OWNER PRIOR TO THE START OF ANY CONSTRUCTION.
4. UTILITY OWNERS SHALL BE NOTIFIED IN ADVANCE OF THE WORK.

UTILITY NOTES:

1. CONTRACTOR SHALL PLACE BLACK PLASTIC BAGS OVER TOP OF ALL OUT-OF-SERVICE FIRE HYDRANTS UNTIL THE HYDRANTS ARE IN SERVICE.
2. METALLIC TAPE LOCATOR SHALL BE USED ON ALL SANITARY SEWER LATERALS.
3. THE CONTRACTOR SHALL NOTIFY THE MACON WATER AUTHORITY INSPECTIONS DEPARTMENT 48 HOURS PRIOR TO BEGINNING CONSTRUCTION- CALL CHIEF INSPECTOR JOEL HERNDON (478) 464-5639.
4. ALL WORK PERFORMED IN ASSOCIATION WITH THIS PROJECT MUST CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE MACON WATER AUTHORITY (MWA OR THE AUTHORITY).
5. ALL BACKFLOW PREVENTION DEVICES MUST BE INSTALLED AND TESTED WITHIN SEVEN (7) BUSINESS DAYS AFTER METER INSTALLATIONS AND ESTABLISHED USE OF THE METER ACCOUNTS.

STORMWATER:

1. THE CONTRACTOR MUST PROTECT DRAINAGE STRUCTURES DURING CONSTRUCTION. ONCE A PIPE IS PLACED, ADDITIONAL PROTECTIVE FILL MAY BE NEEDED OVER STORM DRAIN PIPES DURING THE CONSTRUCTION PROCESS.
2. ALL PIPE THAT IS PART OF A ROADWAY DRAINAGE SYSTEM, IF ANY, SHALL BE 14 GAUGE MINIMUM BCCMP UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.
3. PIPE SHALL TO BE INSTALLED PER GA DOT STD 10300.
4. CORRUGATED METAL PIPE, IF SHOWN, SHALL TO BE INSTALLED IN LENGTHS TO PREVENT JOINTS FROM BEING LOCATED UNDER THE PAVEMENT.
5. ALL DROP INLETS SHALL BE CONSTRUCTED PER GA DOT STANDARDS & DETAILS.
6. ALL HEADWALLS SHALL BE CONSTRUCTED PER GA DOT STANDARDS.
7. ALL CATCH BASINS SHALL BE CONSTRUCTED PER GA DOT STD 10330 OR 10340 UNLESS AN ALTERNATE DETAIL IS PROVIDED.
8. ALL FLARED END SECTIONS SHALL BE PER GA DOT STD 1120.
9. ALL JUNCTION BOXES SHALL BE PER GA DOT STANDARDS & DETAILS.
10. ALL PAVEMENT SHALL BE CONSTRUCTED PER GA DOT STANDARDS & SPECIFICATIONS.

EROSION AND CONTROL:

1. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING AS SHOWN, AND/OR AS DIRECTED BY THE LOCAL INSPECTOR. GRADING SHALL NOT BE INITIATED UNTIL THE PERIMETER SILT BARRIER INSTALLATION AND SEDIMENT STORAGE FACILITIES ARE CONSTRUCTED.
2. ADDITIONAL EROSION CONTROL MEASURES SHALL BE EMPLOYED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS.
3. PROVISIONS TO PREVENT EROSION OF SOIL FROM THE SITE SHALL BE, AT A MINIMUM, IN CONFORMANCE WITH THE REQUIREMENTS OF THE MANUAL FOR SEDIMENT AND EROSION CONTROL IN GEORGIA AND IN CONFORMANCE WITH LOCAL ORDINANCES.
4. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION EXIT SHALL BE CONSTRUCTED AT EACH SITE ENTRY/EXIT. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. PERIODIC REPAIR AND/OR TOP DRESSING WITH STONE MAY BE REQUIRED.
5. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITIES, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR INSIDE THE APPROVED LIMITS AS INDICATED ON THE APPROVED PLANS.
6. STORM DRAIN SYSTEMS SHALL BE PROTECTED AND MAINTAINED SUCH THAT THEY REMAIN CLEAN AND FREE OF SILT AND DEBRIS.
7. SEEDING SPECIFICATIONS AND APPLICATION RATES ARE SHOWN IN THIS PLAN. ANY SUBSTITUTIONS WILL REQUIRE APPROVAL OF THE LOCAL GOVERNMENTAL AGENCY AND THE OWNER.
8. EROSION CONTROL MEASURES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY NEED TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. THE CONTRACTOR SHALL REPORT ANY DIFFICULTY IN CONTROLLING EROSION DURING CONSTRUCTION TO THE ENGINEER.

LEGEND

	EXISTING	PROPOSED
IRON PIN FOUND	⊙	
IRON PIN SET	⊙	
CONCRETE MONUMENT FOUND	⊙	
BENCHMARK	⊙	
PROPERTY LINE / RIGHT OF WAY	---	---
CREEK / SWALE	---	---
CONTOUR	---	---
BOLLARD	⊙	
WATER LINE	W	W
FIRE HYDRANT	⊙	⊙
WATER VALVE	⊙	⊙
IRRIGATION CONTROL VALVE	⊙	⊙
WATER METER	⊙	⊙
WELL	⊙	
GAS LINE	G	
GAS VALVE	G	
GAS METER	G	
MANHOLE	⊙	⊙
SANITARY SEWER LINE	SAN	SAN
CLEAN OUT	⊙	⊙
STORM SEWER PIPE	---	---
HEADWALL	---	---
DROP/YARD INLET/JUNCTION BOX	---	---
END SECTION	---	---
CATCH BASIN (GA. DOT)	---	---
LIGHT POLE	---	---
POWER/UTILITY POLE/GUY WIRE	---	---
OVERHEAD POWER, TELEPHONE, & CABLE	---	---
UNDERGROUND POWER	---	---
UNDERGROUND TELEPHONE	---	---
TRANSFORMER	---	---
TELEPHONE BOX	---	---
CABLE BOX	---	---
TREE	---	---
ASPHALT PAVEMENT	---	---
CONCRETE PAVEMENT	---	---
UNPAVED/GRAVEL ROAD	---	---
WETLANDS	---	---
LANDLOT	---	---
100-YEAR FLOOD LIMITS	---	---
EASEMENT	---	---
RAILROAD TRACK	---	---
GUARD RAIL	---	---
FENCE	---	---
BORE HOLE	---	---



3525 Piedmont RD. NE
Building 8, Suite 320
Atlanta, Georgia 30306
www.hgor.com
p. 404-248-1960
f. 404-248-1092

CONSULTANT LOGO:



CONSULTANT INFORMATION:

PROJECT TITLE:

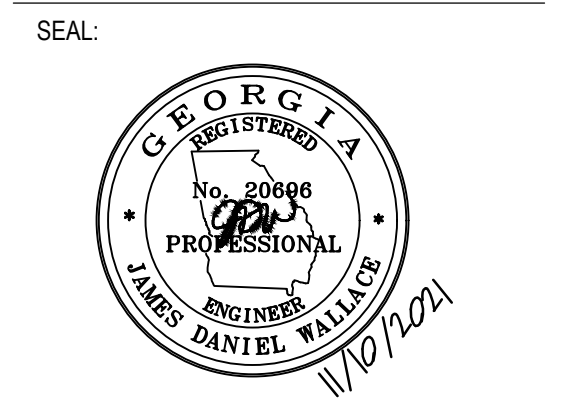
**ROSA PARKS SQUARE
RENOVATION PROJECT**
POPLAR STREET
MACON, GEORGIA
MACON-BIBB COUNTY
MACON, GEORGIA

PROJECT NO:
21026
PRINCIPAL IN CHARGE: TF
PROJECT ARCHITECT:
DRAWN BY: MW

ISSUE AND DATE:
November 11th, 2021
CONSTRUCTION DOCUMENTS

REVISIONS:

NO.	DATE	DESCRIPTION
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SHEET TITLE: GENERAL NOTES

SHEET NO:
C-0.0

RELEASED FOR CONSTRUCTION



3525 Piedmont RD NE
Building 8, Suite 320
Atlanta, Georgia 30306
www.hgor.com
p. 404-248-1960
f. 404-248-1092

CONSULTANT LOGO:



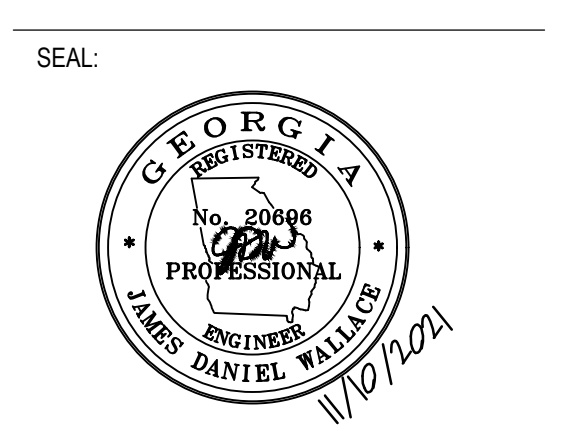
CONSULTANT INFORMATION:

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**ROSA PARKS SQUARE
RENOVATION PROJECT**
POPLAR STREET
MACON, GEORGIA
MACON-BIBB COUNTY
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CONSTRUCTION DOCUMENTS

REVISIONS:
NO. DATE DESCRIPTION

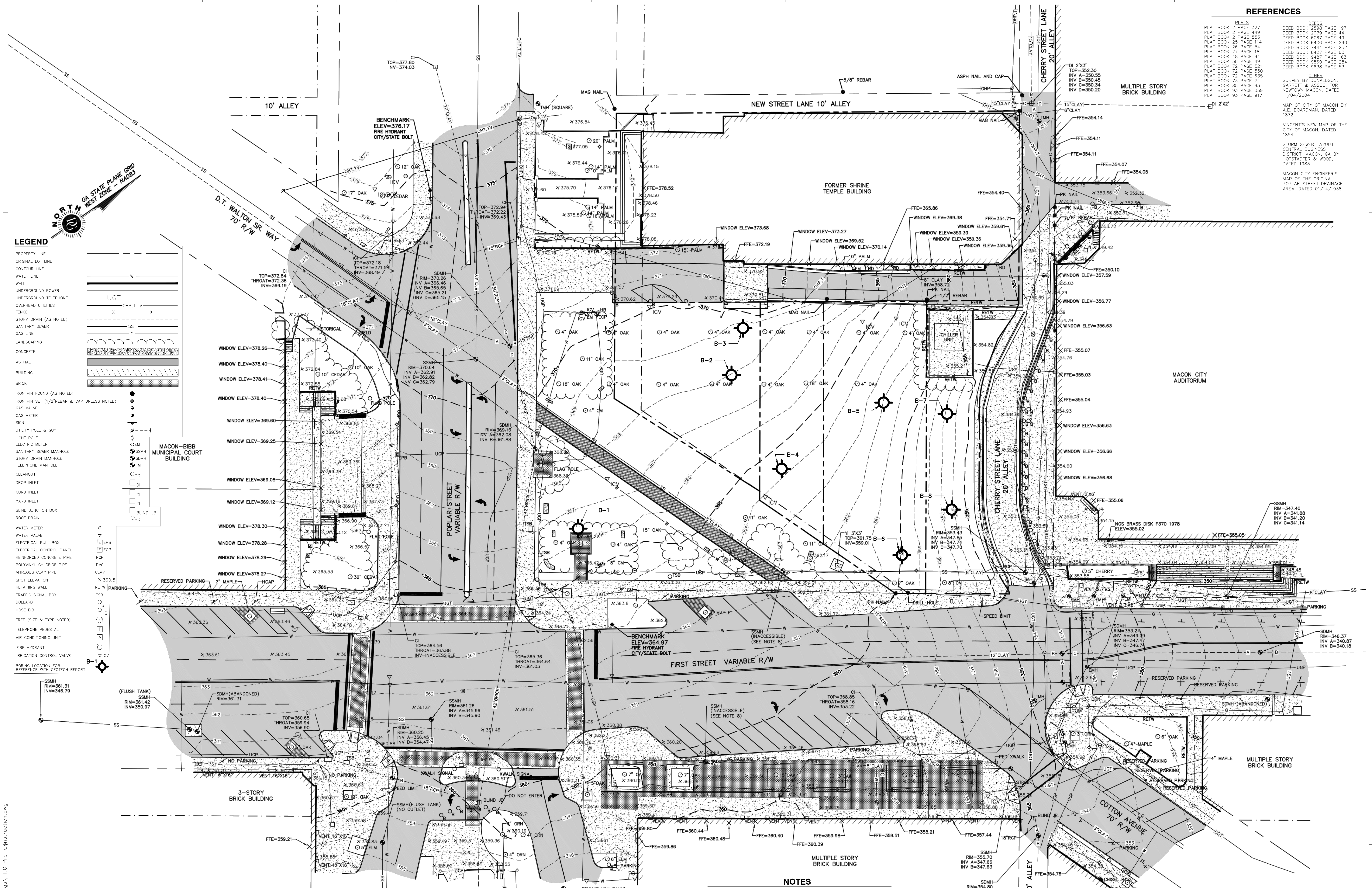


SHEET TITLE: PRE-CONSTRUCTION CONDITIONS

SHEET NO:
C-1.0
RELEASED FOR CONSTRUCTION

REFERENCES

- PLATS
DEEDS
PLAT BOOK 2 PAGE 327 DEED BOOK 2898 PAGE 197
PLAT BOOK 2 PAGE 449 DEED BOOK 2979 PAGE 44
PLAT BOOK 2 PAGE 553 DEED BOOK 6067 PAGE 49
PLAT BOOK 25 PAGE 114 DEED BOOK 6406 PAGE 290
PLAT BOOK 26 PAGE 54 DEED BOOK 7444 PAGE 252
PLAT BOOK 27 PAGE 18 DEED BOOK 8427 PAGE 63
PLAT BOOK 48 PAGE 84 DEED BOOK 9487 PAGE 163
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PLAT BOOK 73 PAGE 74
PLAT BOOK 85 PAGE 63
PLAT BOOK 93 PAGE 359
PLAT BOOK 93 PAGE 917
- OTHER
SURVEY BY DONALDSON,
GARRETT & ASSOC. FOR
NEWTOWN MACON, DATED
11/04/2004
- MAP OF CITY OF MACON BY
A.E. BOARDMAN, DATED
1872
- VINCENY'S NEW MAP OF THE
CITY OF MACON, DATED
1854
- STORM SEWER LAYOUT,
CENTRAL BUSINESS
DISTRICT, MACON, GA BY
HOFSTÄDTER & WOOD,
DATED 1983
- MACON CITY ENGINEER'S
MAP OF THE ORIGINAL
POPLAR STREET DRAINAGE
AREA, DATED 01/14/1939



LEGEND

PROPERTY LINE
ORIGINAL LOT LINE
CONTOUR LINE
WATER LINE
WALL
UNDERGROUND POWER
UNDERGROUND TELEPHONE
OVERHEAD UTILITIES
FENCE
STORM DRAIN (AS NOTED)
SANITARY SEWER
GAS LINE
LANDSCAPING
CONCRETE
ASPHALT
BUILDING
BRICK
IRON PIN FOUND (AS NOTED)
IRON PIN SET (1/2" REBAR & CAP UNLESS NOTED)
GAS VALVE
GAS METER
SIGN
UTILITY POLE & GUY
LIGHT POLE
ELECTRIC METER
SANITARY SEWER MANHOLE
STORM DRAIN MANHOLE
TELEPHONE MANHOLE
CLEANOUT
DROP INLET
CURB INLET
YARD INLET
BLIND JUNCTION BOX
ROOF DRAIN
WATER METER
WATER VALVE
ELECTRICAL PULL BOX
ELECTRICAL CONTROL PANEL
REINFORCED CONCRETE PIPE
POLYVINYL CHLORIDE PIPE
VITREOUS CLAY PIPE
SPOT ELEVATION
RETW
TRAFFIC SIGNAL BOX
BOLLARD
HORSE BIB
TREE (SIZE & TYPE NOTED)
TELEPHONE PEDESTAL
AIR CONDITIONING UNIT
FIRE HYDRANT
IRRIGATION CONTROL VALVE
BORING LOCATION FOR REFERENCE WITH GEOTECH REPORT

MACON-BIBB MUNICIPAL COURT BUILDING
MACON CITY AUDITORIUM
FORMER SHRINE TEMPLE BUILDING
3-STORY BRICK BUILDING
MULTIPLE STORY BRICK BUILDING
COTTON AVENUE 70' R/W
CHERRY STREET LANE 20' ALLEY
NEW STREET LANE 10' ALLEY
FIRST STREET VARIABLE R/W
POPLAR STREET VARIABLE R/W

NOTES

- DONALDSON, GARRETT AND ASSOCIATES, INC. AND THE LAND SURVEYOR WHOSE SEAL IS AFFIXED HEREON DO NOT GUARANTEE THAT ALL EASEMENTS THAT MAY AFFECT THIS PROPERTY ARE SHOWN. THIS DRAWING HAS BEEN GENERATED ELECTRONICALLY. THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT UNLESS IT HAS BEEN PROPERLY SEALED AND ORIGINALLY SIGNED BY A REGISTERED LAND SURVEYOR OF DONALDSON, GARRETT AND ASSOCIATES, INC. AUTHORITY OF O.C.G.A. 43-15-22.
- THIS SURVEY HAS BEEN PREPARED IN CONFORMITY WITH THE TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN CHAPTER 180-7 OF THE RULES OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN THE GEORGIA PLAT ACT O.C.G.A. 15-6-47, 45-15-43, 15-6-43, 15-15-19, & 43-15-22.
- THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. UNDERGROUND UTILITIES NOT OBSERVED OR LOCATED MAY EXIST BUT MAY NOT BE SHOWN, AND MAY BE FOUND UPON EXCAVATION. THE SURVEYOR FURTHER DOES NOT WARRANT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. INFORMATION REGARDING UNDERGROUND UTILITIES WERE COMPILED FROM FIELD OBSERVATIONS, MAPS OR PLANS PROVIDED BY UTILITY OWNERS, AND PER MARKINGS MADE BY UTILISURVEY, LLC. THIS INFORMATION MAY BE INCOMPLETE AND IS SUBJECT TO THE LIMITATIONS OF SUBSURFACE DETECTION EQUIPMENT, AVAILABLE RECORDS AND OTHER FACTORS. VERIFICATION OF UTILITIES SHOULD BE MADE PRIOR TO ANY CONSTRUCTION.
- ONE FOOT CONTOUR INTERVAL SHOWN.
- THE PROPERTIES DEPICTED HEREON LIE WITHIN FLOOD ZONE X (AREAS DETERMINED TO BE OUTSIDE 0.2% ANNUAL CHANCE FLOOD PLAIN (100-YEAR FLOOD), ACCORDING TO FEMA FLOOD INSURANCE RATE MAP 13021C0134F FOR BIBB COUNTY, GA, DATED APRIL 2, 2007.
- THIS SURVEY IS REFERENCED TO THE GA STATE PLANE GRID, WEST ZONE, NAD83 HORIZONTAL & NAVD83 VERTICAL DATINGS AND IS BASED UPON RTK GPS OBSERVATIONS WITH A LEICA GS14 GPS ROVER UTILIZING THE LEICA SMARTNET REFERENCE NETWORK.
- THE SANITARY SEWER MANHOLES LABELED AS INACCESSIBLE ARE SHOWN PER THE MACON WATER AUTHORITY GIS MAPS AND ARE NOT FIELD LOCATED OR VERIFIED.
- THE STORM DRAINAGE PIPES THAT ARE NOT LABELED ARE SHOWN PER MACON CITY ENGINEER'S STORM DRAINAGE MAPS AND NOT FIELD VERIFIED. BLIND JUNCTION BOXES AND PIPE INTERSECTIONS ARE SHOWN PER THE SAME MAPS OR PAINT MARKINGS BY THE CITY AND LOCATED IN THE FIELD.

TOPOGRAPHIC SURVEY
FOR
MACON-BIBB COUNTY URBAN DEVELOPMENT AUTHORITY
OF
ROSA PARKS SQUARE

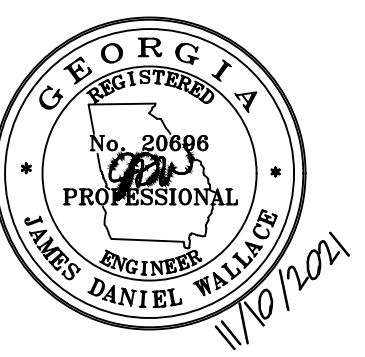
SQUARES 40, 41, 62, & 63
BIBB COUNTY MACON OLD CITY
GEORGIA

R.L.S. NO. 3122 DSGN: N/A
DATE: 8/18/2016 DRWN: DGB
CHKD: DGB C&G: N/A
SCALE: 1"=20' DRAWING NO. 770-16-E
PROJ. NO.: 4039-005-D1 SHEET 2 OF 2
FIELD BOOK: EDC

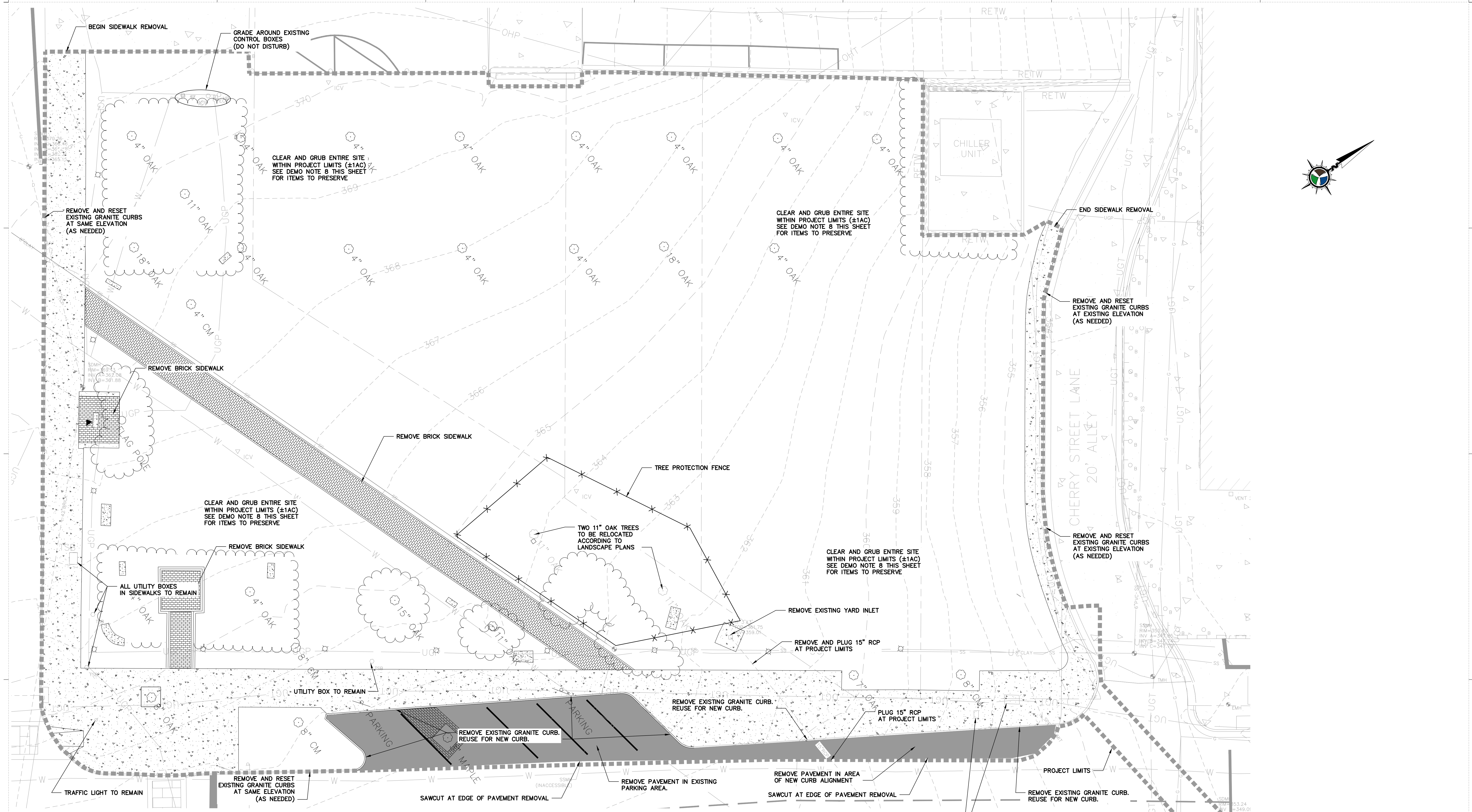
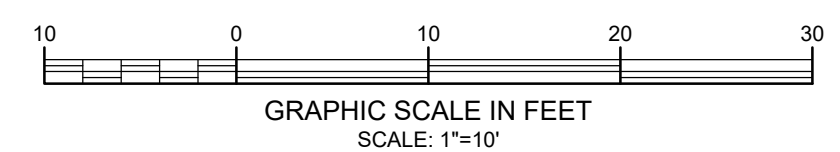
**DONALDSON,
GARRETT,
&
ASSOCIATES, INC.**
MACON • CHARLOTTE
4878 RIVERDORF DRIVE, P.O. BOX 7306
MACON, GA 31210
(478) 471-5500 Fax: (478) 477-2534
http://www.dg-a.com CMAA License #000413

C1063TPS.DWG/20 PLOT DATE 08/18/2016 BY: DAVID

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Know what's below.
Call before you dig.



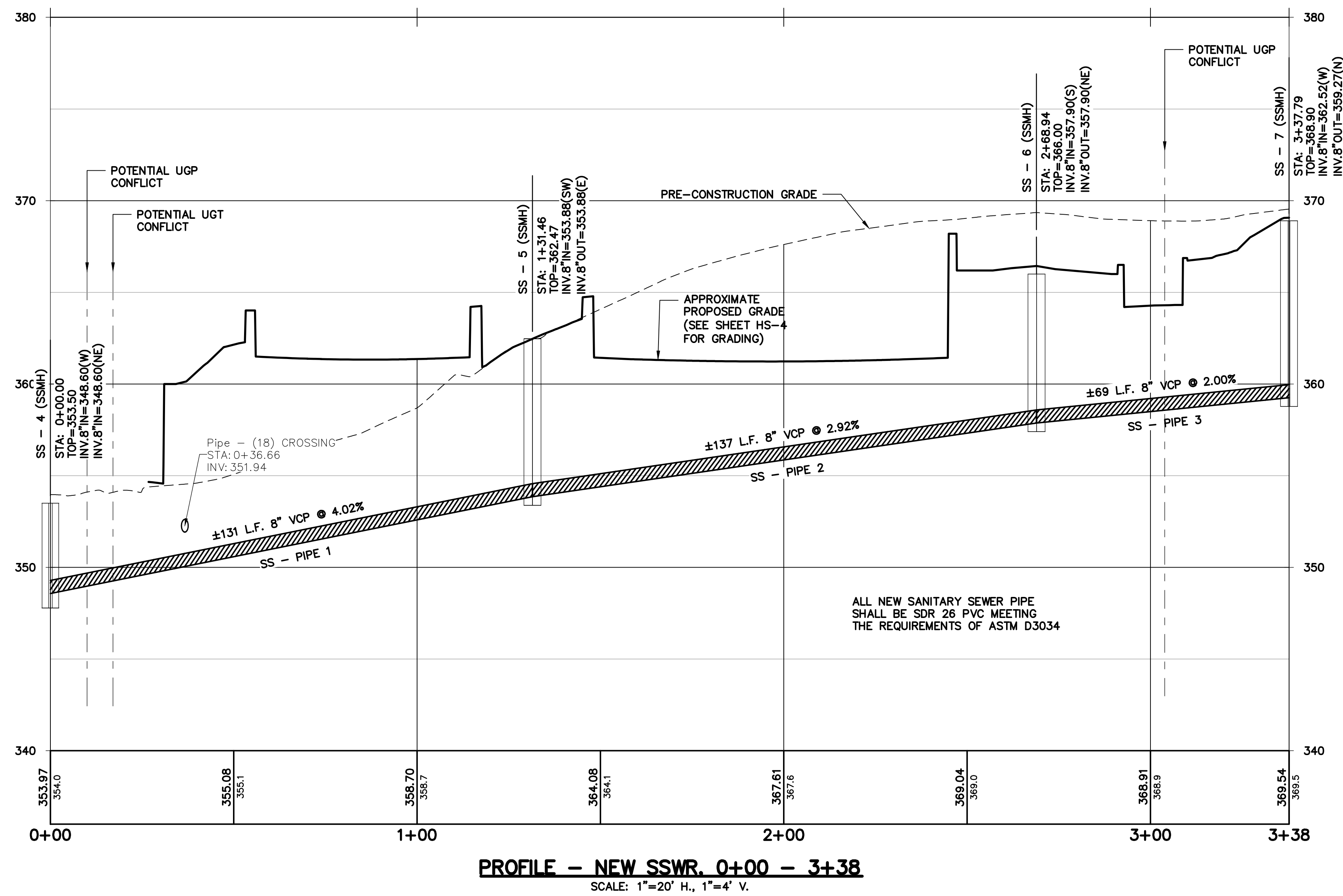
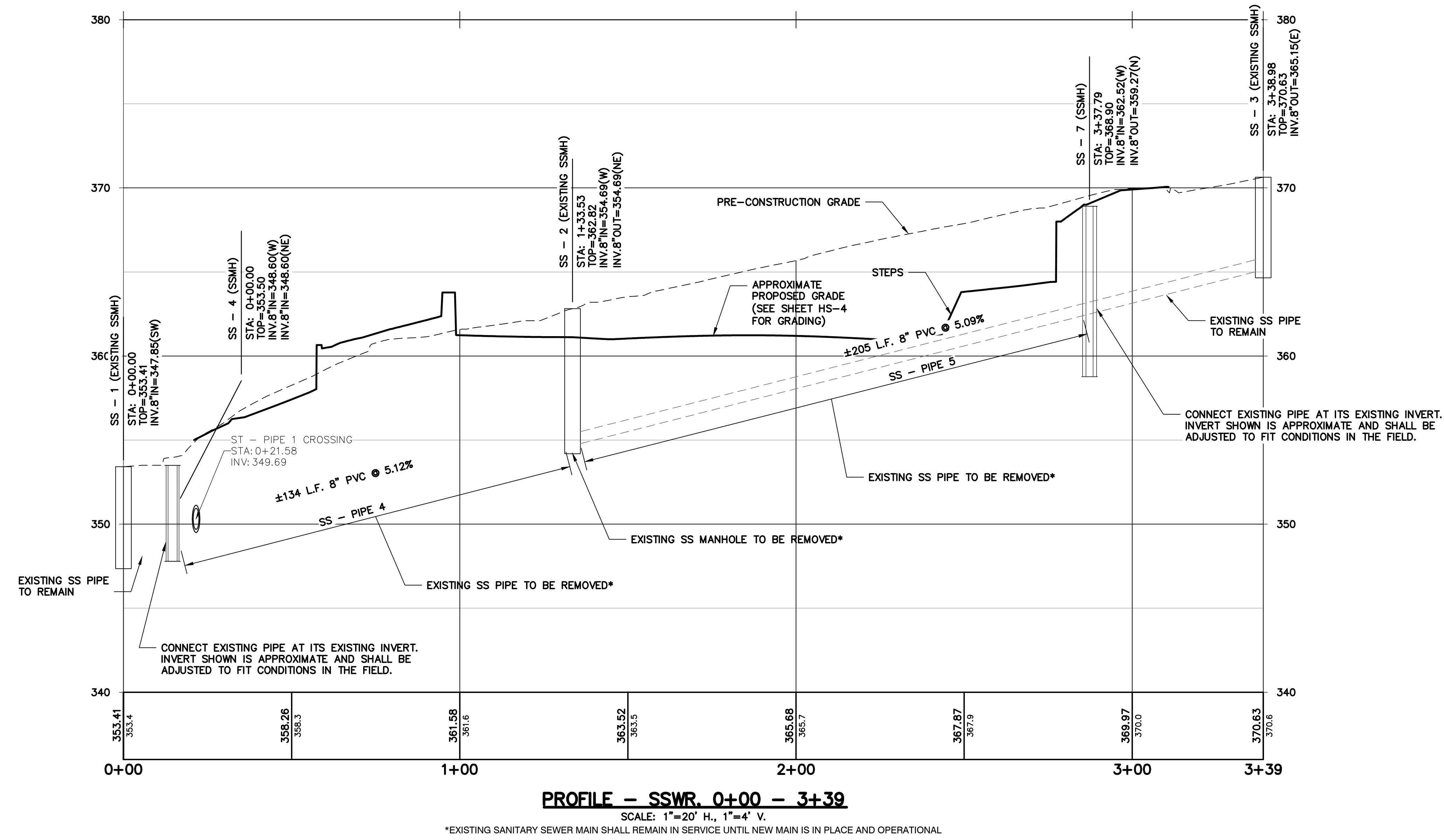
DEMOLITION NOTES:

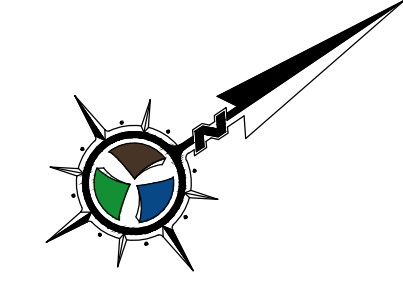
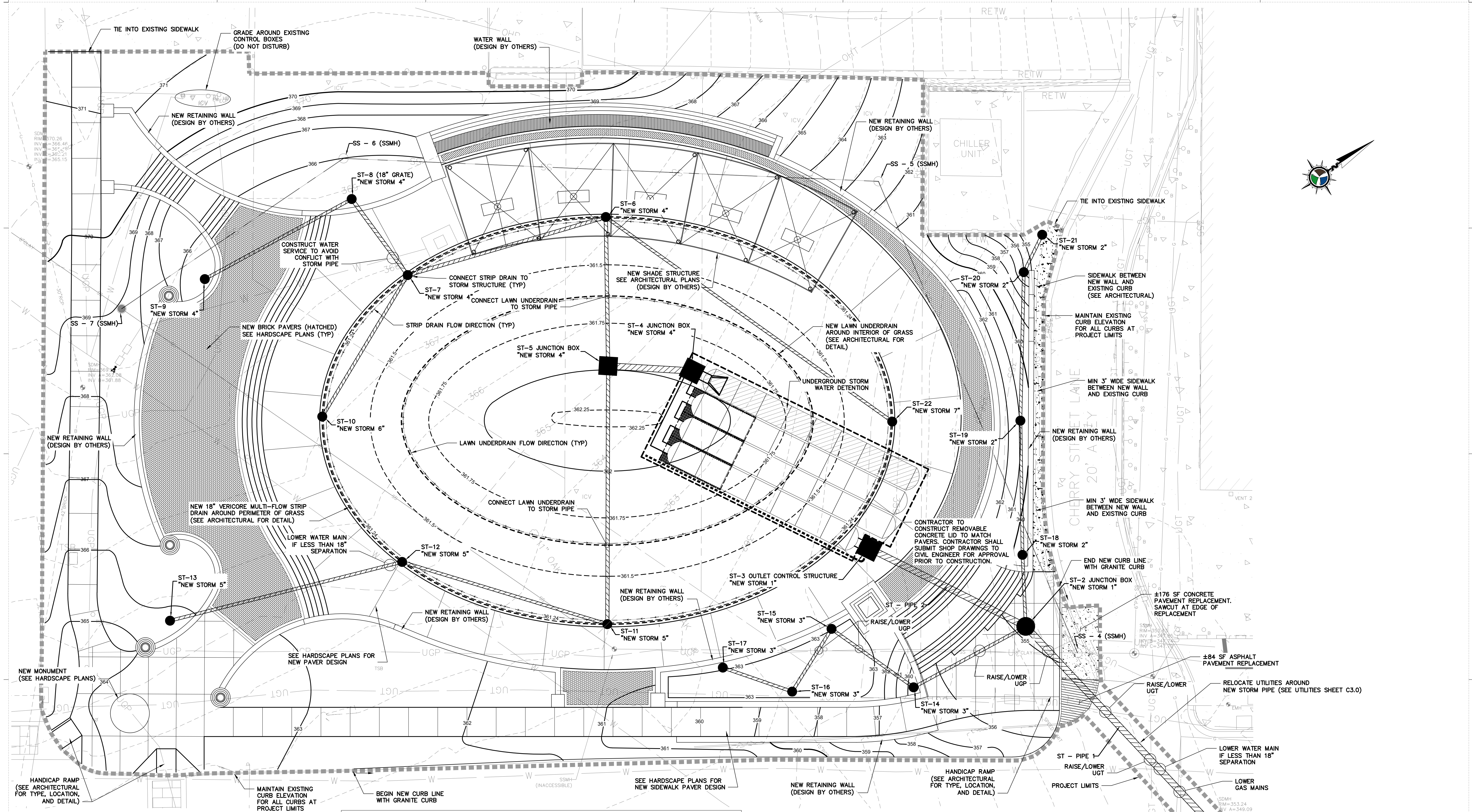
- ALL BOLD ITEMS ON THIS PLAN SHALL BE REMOVED FROM THE SITE. GRAYED OUT OR SCREENED BACK ITEMS ARE TO REMAIN.
- CONTRACTOR SHALL REVIEW SITE DEVELOPMENT PLANS, AND SHALL REMOVE ALL EXISTING SITE FEATURES REQUIRED FOR CONSTRUCTING THE PROPOSED IMPROVEMENTS.
- IRRIGATION SYSTEMS IN THE VICINITY OF THE WORK SHALL BE IDENTIFIED AND SHUT OFF BY THE CONTRACTOR BEFORE BEGINNING EXCAVATION OR DEMOLITION.
- WATER METER AND SERVICES SHALL BE ABANDONED IN ACCORDANCE WITH MACON WATER AUTHORITY STANDARDS AND PRACTICES. COORDINATE ABANDONMENT OF WATER SERVICES WITH THE MACON WATER AUTHORITY.
- ALL PAVEMENT TO BE REMOVED (CONCRETE & ASPHALT) SHALL BE SAW CUT AT THE EDGE OF THE REMOVAL.
- THE CONTRACTOR SHALL COORDINATE WITH MACON-BIBB COUNTY ENGINEERING DEPARTMENT AND THE UTILITY OWNERS TO ENSURE UNINTERRUPTED UTILITY SERVICE TO USERS.
- THE CONTRACTOR SHALL COORDINATE WITH MACON-BIBB COUNTY ON ANY SITE ITEMS TO BE DISMANTLED AND STORED OR TRANSPORTED OFFSITE.
- ALL PLAQUES, LIGHTS, FLAGPOLES, AND MONUMENTS REMOVED DURING DEMOLITION SHALL BE PRESERVED. OWNER TO DECIDE FINAL DESTINATION OF REMOVED MONUMENTS AND PLAQUES. THE TWO 11" OAK TREES NOTED ON THIS PLAN SHALL BE PRESERVED AND RELOCATED ACCORDING TO LANDSCAPE PLAN.
- ALL UTILITY AND CONTROL BOXES LOCATED ON SITE TO REMAIN UNLESS MARKED FOR REMOVAL ON THIS PLAN.
- GRANITE CURBS REMOVED FROM THE SITE SHALL BE RETURNED TO MACON BIBB COUNTY.
- SAVE ALL LIGHT POLES, FURNISHINGS, FLAGPOLES AND MONUMENTS WITHIN THE PARK. DO NOT DISPOSE.

CLEAN-UP AND DISPOSAL NOTES:

TRANSPORT TRASH, RUBBISH AND DEBRIS FROM SITE DAILY AND DISPOSE OF THEM IN A LEGAL FASHION. REMOVE AND PROMPTLY DISPOSE OF CONTAMINATED, VERMIN INFESTED, OR DANGEROUS MATERIALS ENCOUNTERED. DO NOT BURN OR BURY MATERIALS ON SITE. REMOVE TOOLS, EQUIPMENT AND PROTECTIONS WHEN WORK IS COMPLETE AND WHEN AUTHORIZED TO DO SO BY THE OWNER AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THE WORK.

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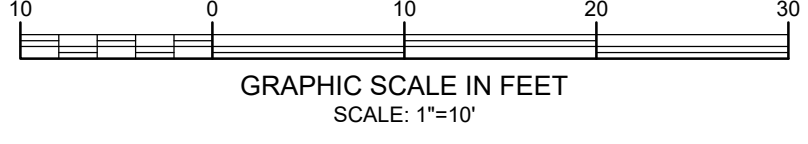
STORM STRUCTURE DATA TABLE

NAME	TYPE*	GRATE SIZE	BASIN SIZE
ST-1 (EXISTING)	EXISTING MANHOLE	NA	NA
ST-2 JUNCTION BOX	JUNCTION BOX (CIRCULAR)	NA	4' DIAM
ST-3 OUTLET CONTROL STRUCTURE	OUTLET CONTROL STRUCTURE	NA	4'x4'
ST-4 JUNCTION BOX	JUNCTION BOX (SQUARE)	NA	4'x4'
ST-5 JUNCTION BOX	JUNCTION BOX (SQUARE)	NA	4'x4'
ST-6	INLET NDS#20	8"	12"x12"
ST-7	INLET NDS#20	8"	12"x12"
ST-8 (18" GRATE)	INLET NDS#1881	18"	18"x18"
ST-9	INLET NDS#981	9"	12"x12"
ST-10	INLET NDS#20	8"	12"x12"
ST-11	INLET NDS#20	8"	12"x12"
ST-12	INLET NDS#20	8"	12"x12"
ST-13	INLET NDS#981	9"	12"x12"
ST-14	INLET NDS#981	9"	12"x12"
ST-15	INLET NDS#981	9"	12"x12"
ST-16	INLET NDS#981	9"	12"x12"
ST-17	INLET NDS#981	9"	12"x12"
ST-18	INLET NDS#981	9"	12"x12"
ST-19	INLET NDS#981	9"	12"x12"
ST-20	INLET NDS#981	9"	12"x12"
ST-21	INLET NDS#981	9"	12"x12"
ST-22	INLET NDS#20	8"	12"x12"

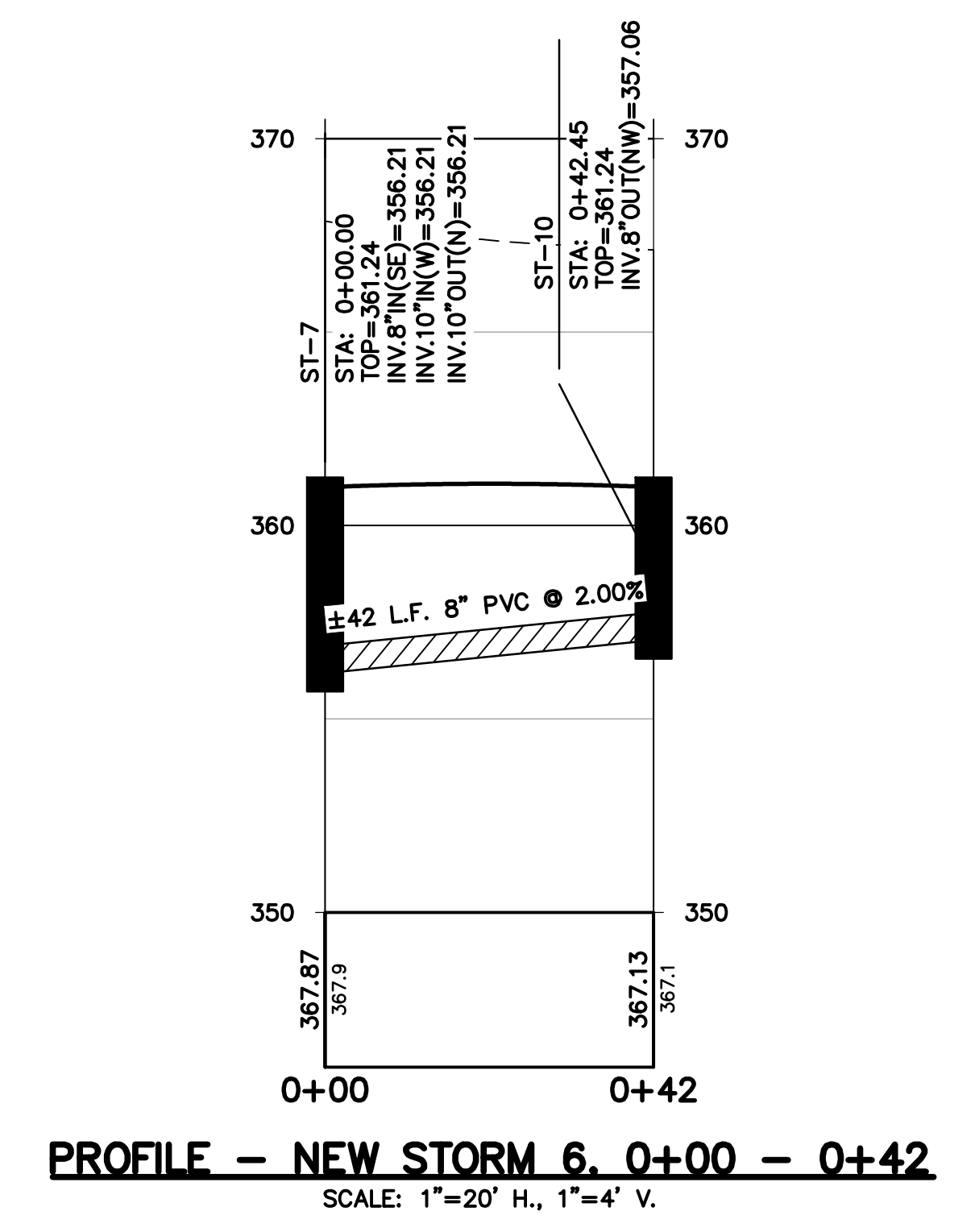
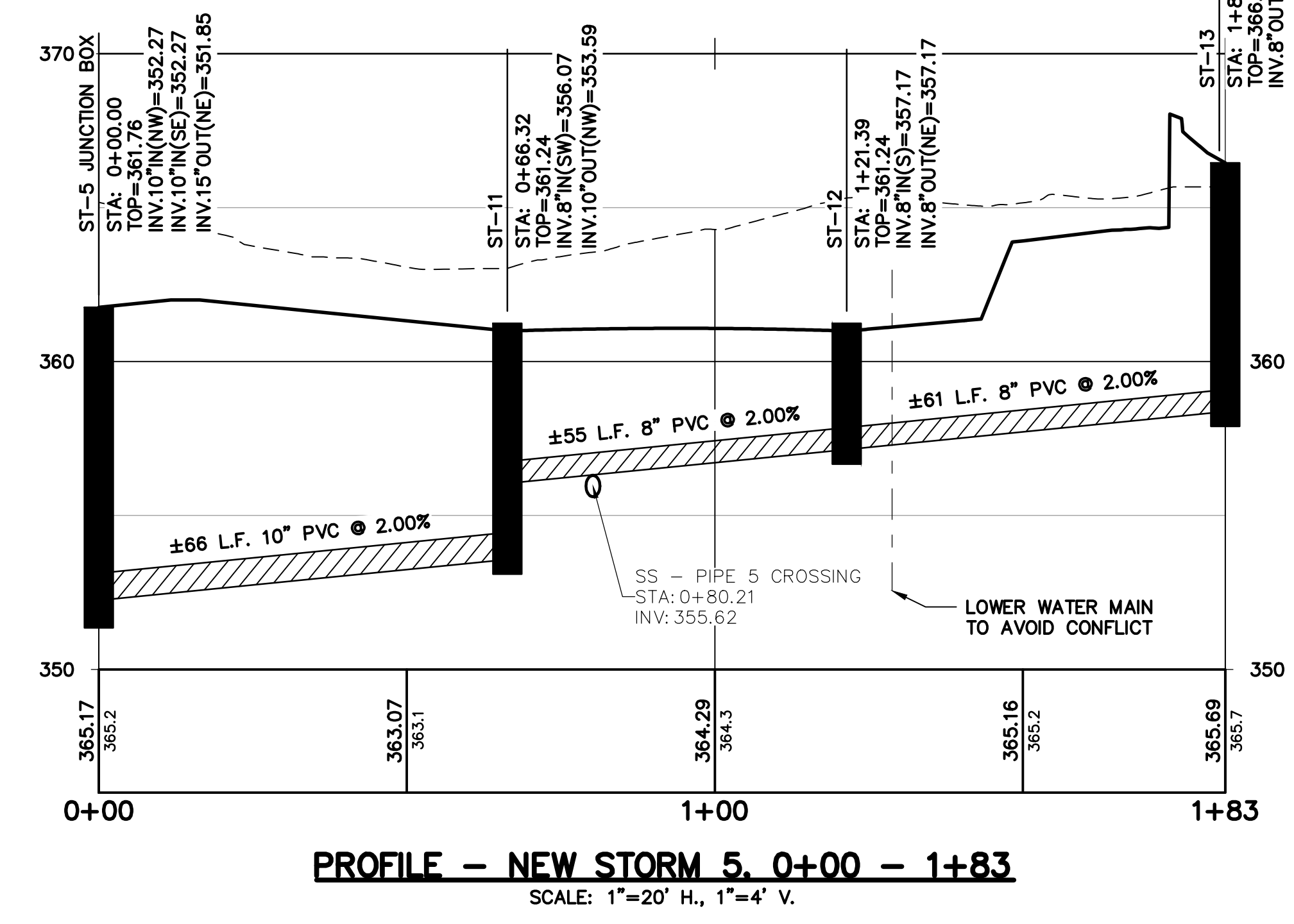
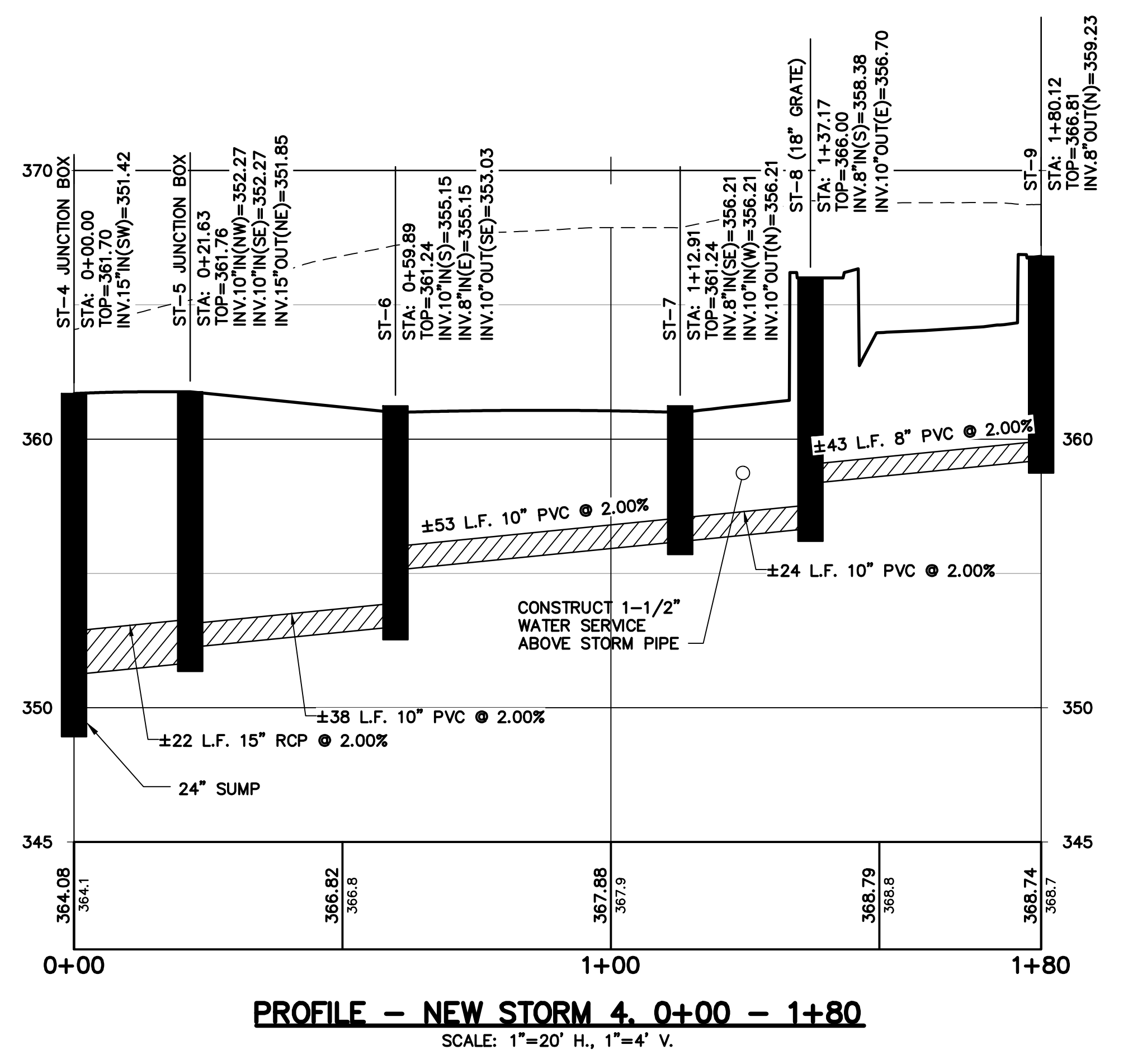
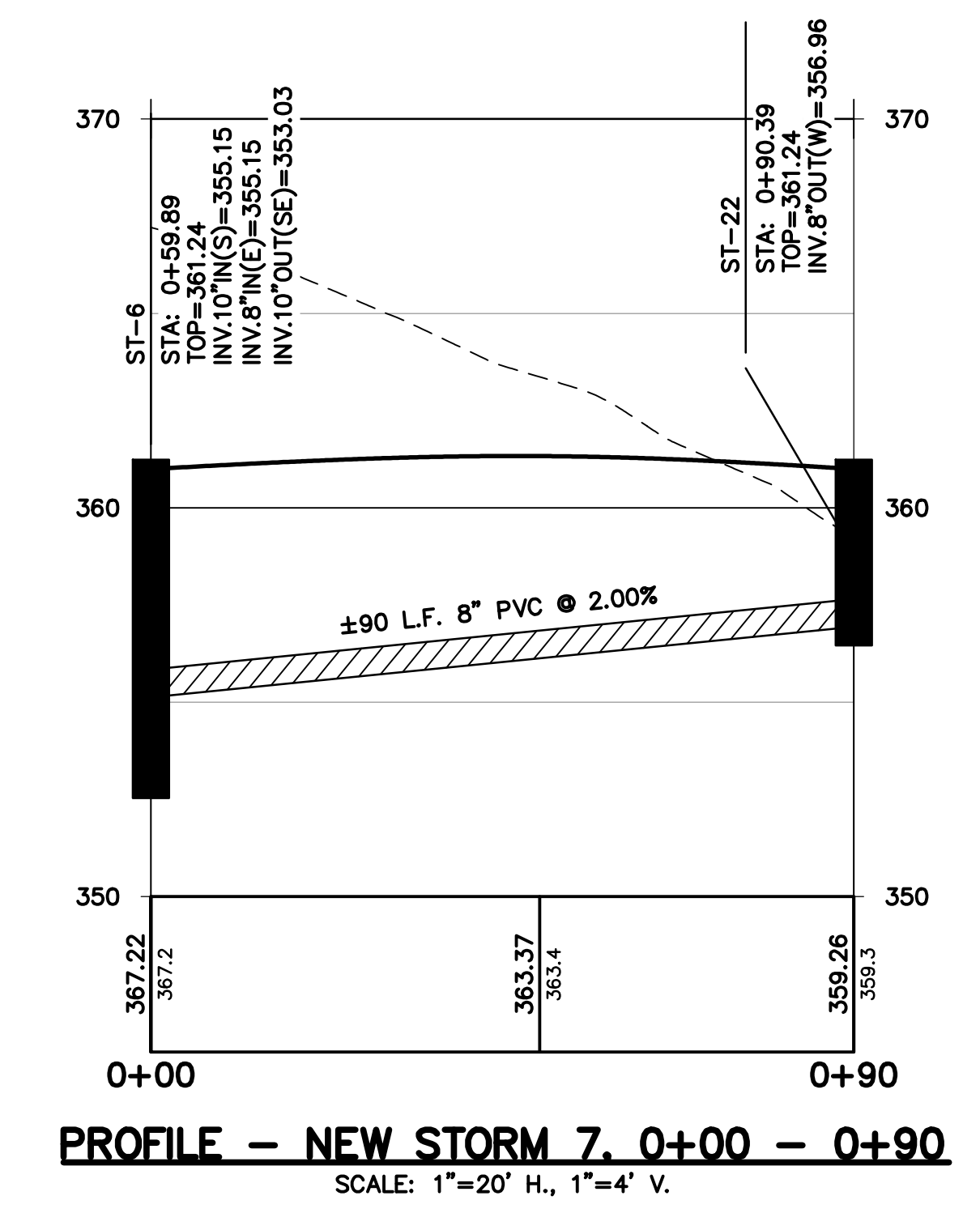
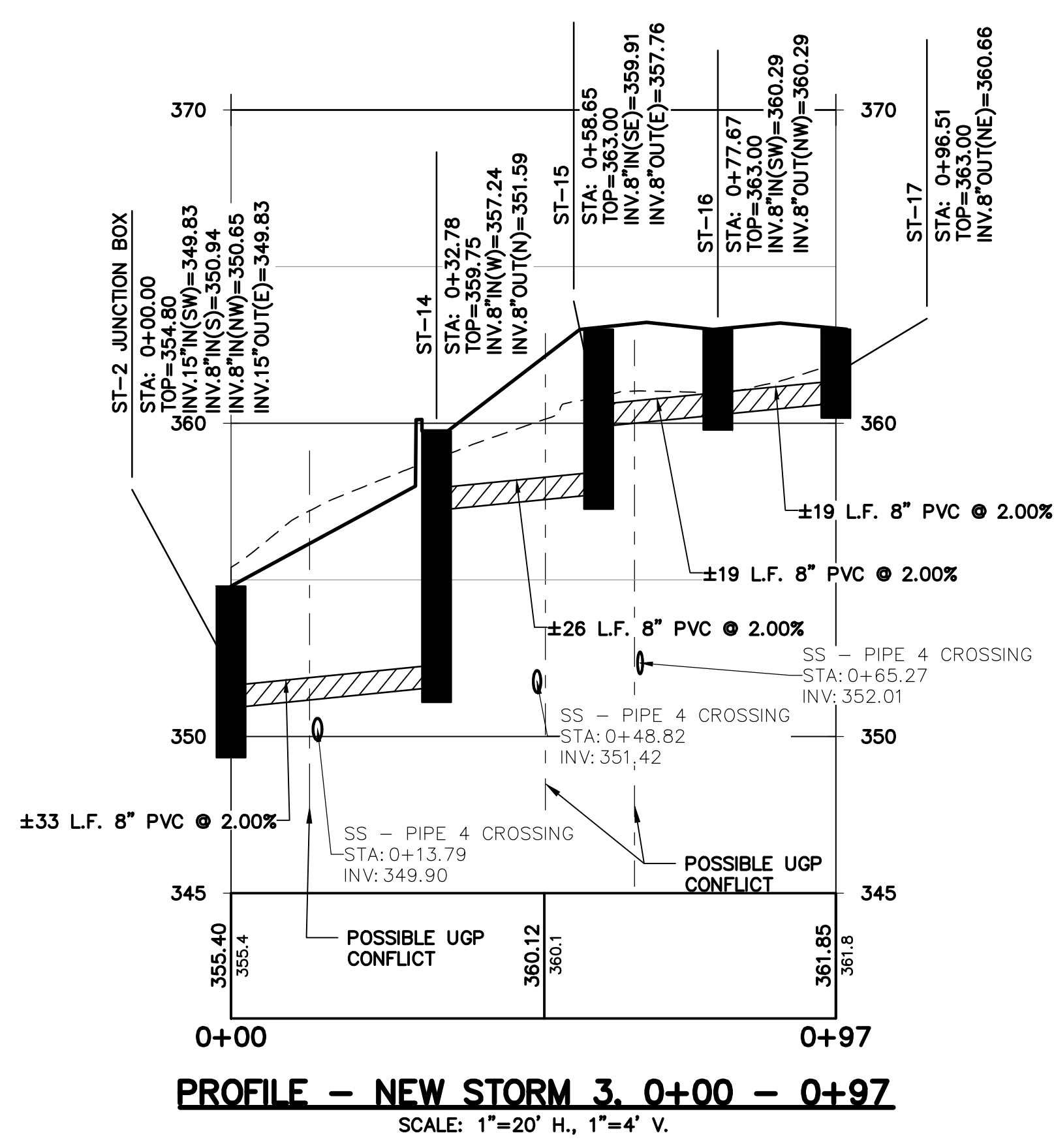
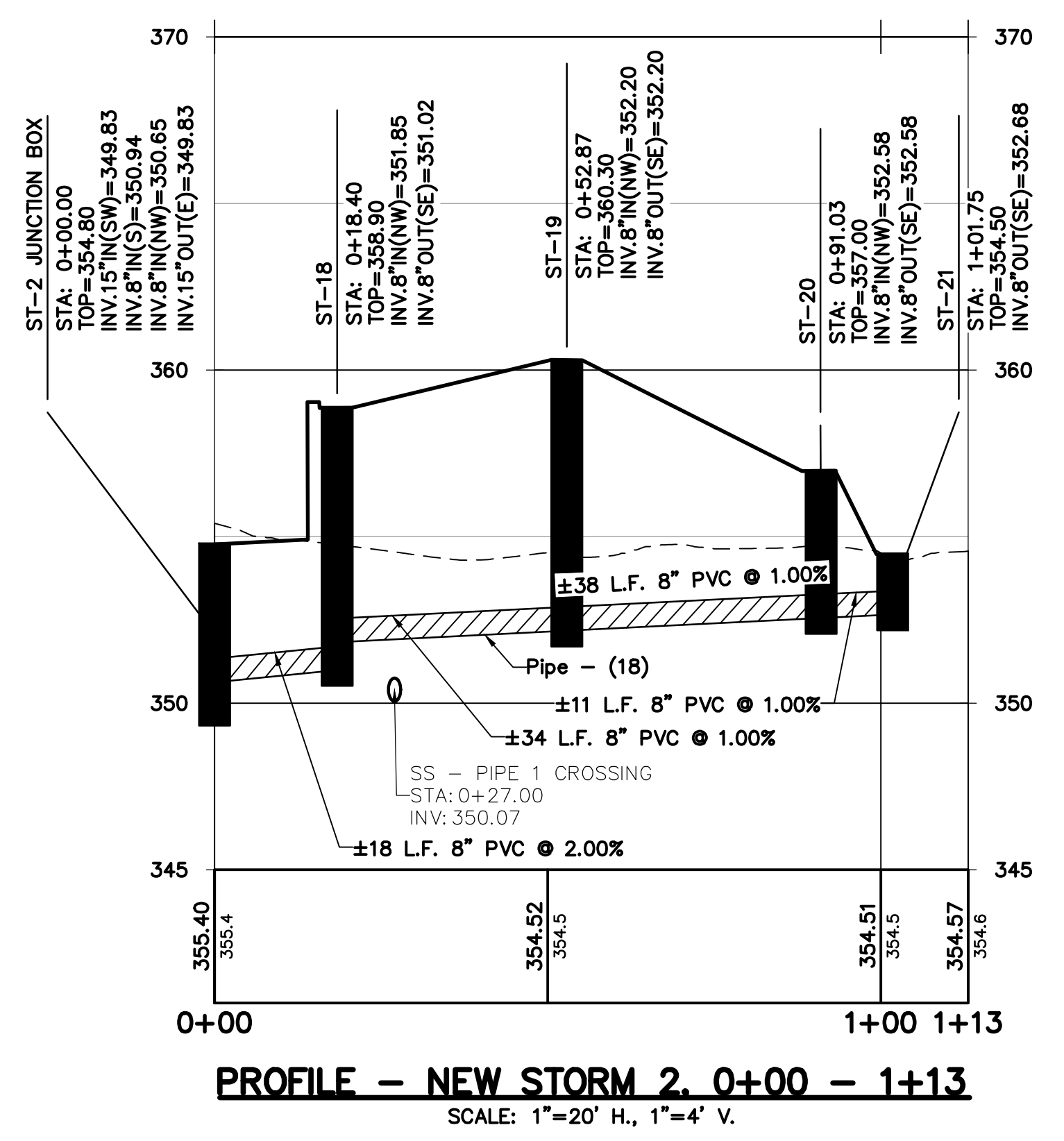
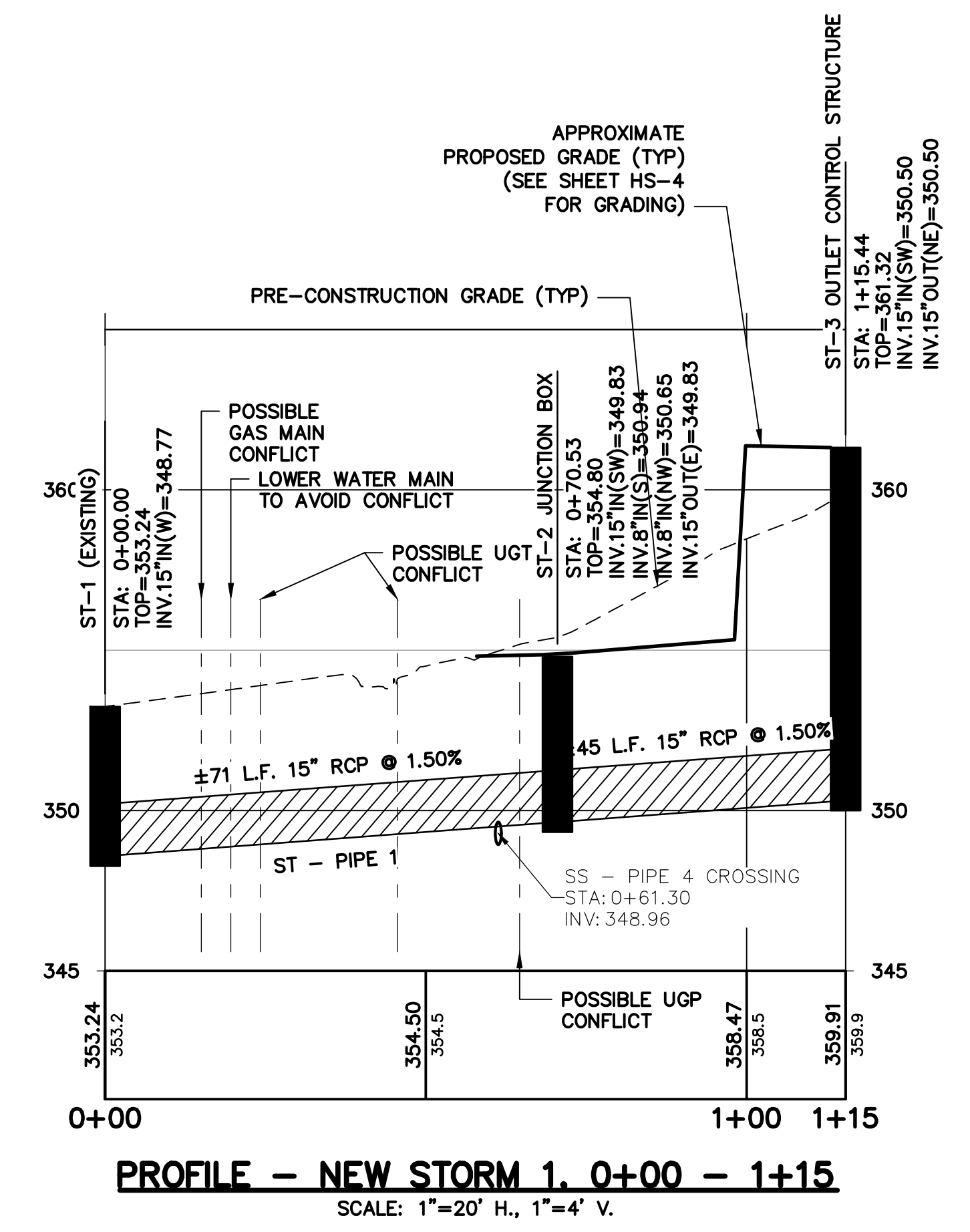
*SEE ARCHITECTURAL FOR INLET TYPE DETAILS

- GRADING & SITE NOTES:**
1. ALL CURBS SHALL BE RESET USING THE ORIGINAL GRANITE CURBS. ALL CURBS SHALL BE SET AT 6" ABOVE THE STREET ELEVATION.
 2. ALL SIDEWALKS SHALL HAVE A MAXIMUM OF 5% LONG SLOPE AND 2% CROSS SLOPE EXCEPT WHERE PHYSICALLY IMPOSSIBLE DUE TO THE SLOPE OF THE ADJACENT STREET.
 3. SEE HARDSCAPE PLANS FOR BRICK PAVEMENT AND SIDEWALK PAVEMENT DESIGN & PATTERN DETAILS.
 4. RETAINING WALL DESIGN BY OTHERS.
 5. SEE HARDSCAPE PLANS SHEET HS-4 FOR DETAILED GRADING.
 6. VERICORE MULTI-FLOW STRIP DRAIN SHALL BE 18" VARIANT.
 7. SITE GRADING BY OTHERS.

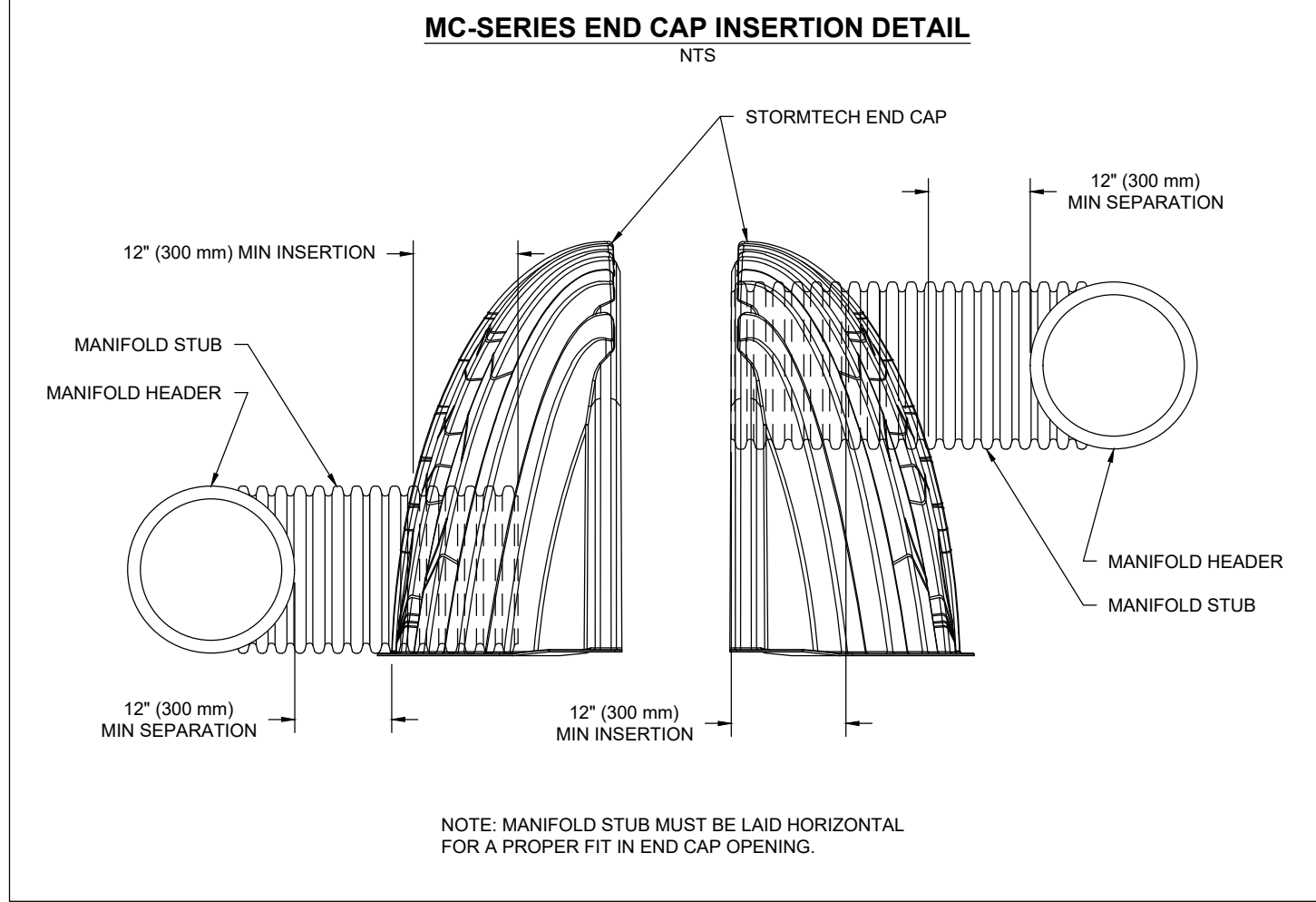
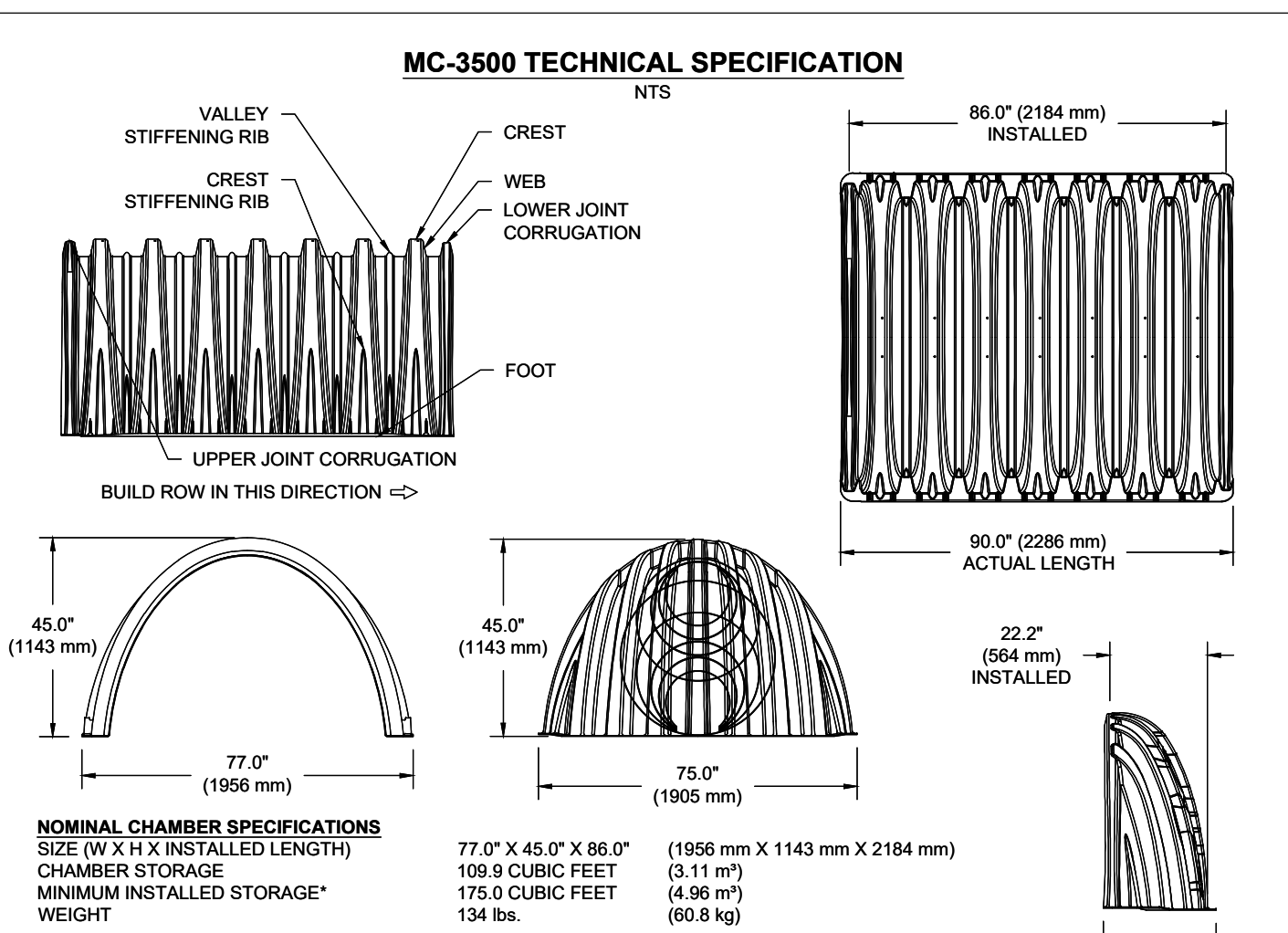
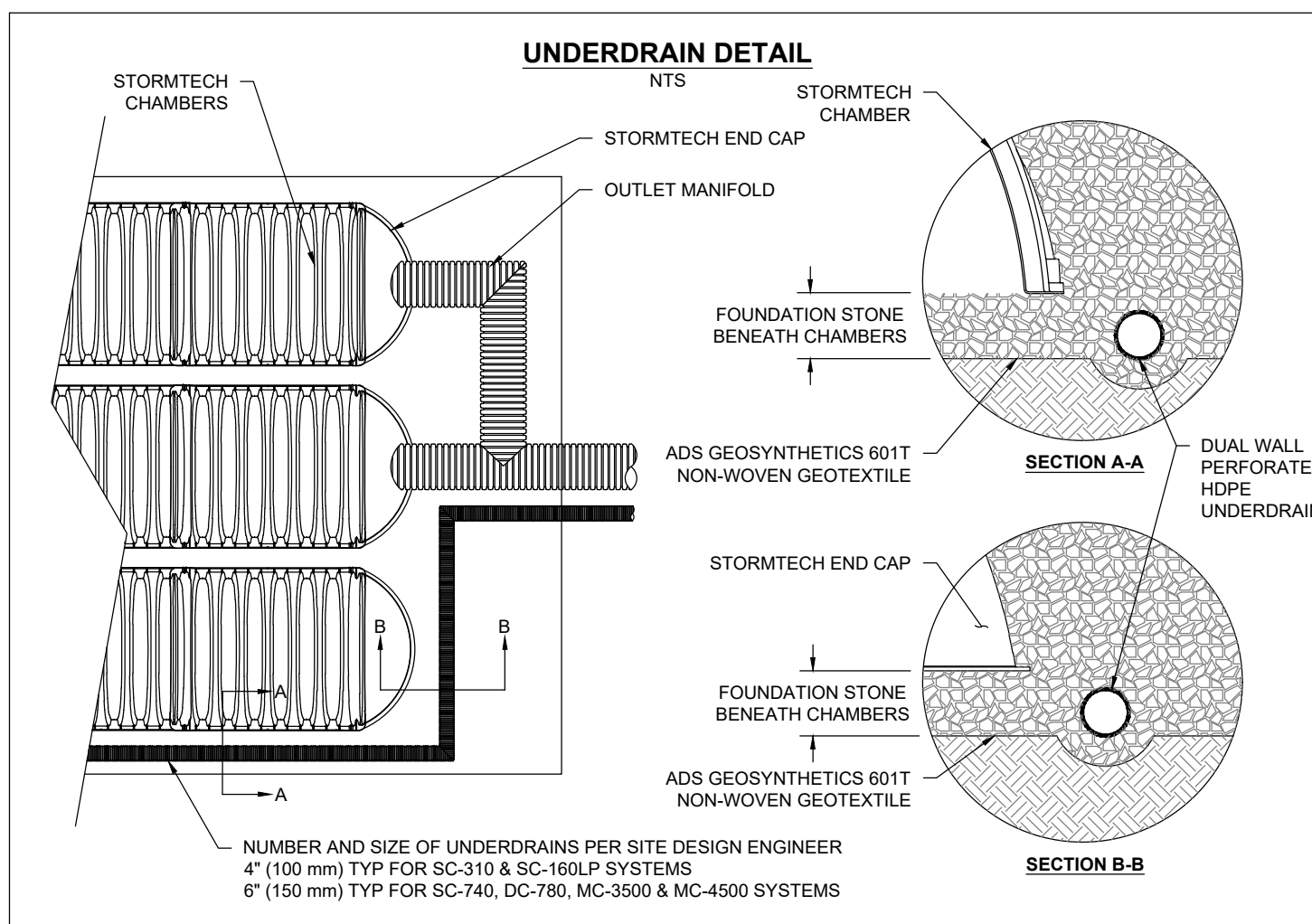
811
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NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	77.0" X 45.0" X 86.0" (1956 mm X 1143 mm X 2184 mm)
CHAMBER STORAGE	109.9 CUBIC FEET (3.11 m³)
MINIMUM INSTALLED STORAGE*	175.9 CUBIC FEET (4.96 m³)
WEIGHT	134 lbs. (60.8 kg)

NOMINAL END CAP SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	75.0" X 45.0" X 22.2" (1905 mm X 1143 mm X 564 mm)
END CAP STORAGE	14.5 CUBIC FEET (0.42 m³)
MINIMUM INSTALLED STORAGE*	45.1 CUBIC FEET (1.28 m³)
WEIGHT	49 lbs. (22.2 kg)

*ASSUMES 12" (305 mm) STONE ABOVE, 6" (228 mm) STONE FOUNDATION, 6" SPACING BETWEEN CHAMBERS, 6" (152 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
END CAPS WITH A PRE-FABRICATED WELDED STUB END WITH "W"

PART #	STUB	B	C
MC3500EP06T	6" (150 mm)	33.21" (844 mm)	—
MC3500EP06B	—	—	0.66" (17 mm)
MC3500EP08T	8" (200 mm)	31.16" (791 mm)	—
MC3500EP08B	—	—	0.81" (21 mm)
MC3500EP10T	10" (250 mm)	29.04" (738 mm)	—
MC3500EP10B	—	—	0.93" (24 mm)
MC3500EP12T	12" (300 mm)	26.36" (670 mm)	—
MC3500EP12B	—	—	1.35" (34 mm)
MC3500EP15T	15" (375 mm)	23.39" (594 mm)	—
MC3500EP15B	—	—	1.50" (38 mm)
MC3500EP18T	18" (450 mm)	20.03" (509 mm)	—
MC3500EP18B	—	—	1.77" (45 mm)
MC3500EP18TW	—	—	—
MC3500EP24T	24" (600 mm)	14.48" (368 mm)	—
MC3500EP24B	—	—	2.06" (52 mm)
MC3500EP24TW	—	—	—
MC3500EP24WB	—	—	2.75" (70 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL

CUSTOM PRECURED INVERTS ARE AVAILABLE UPON REQUEST
INVERTED MANIFOLDS INCLUDE 12.24" (300-600 mm) SIZE ON SIZE AND 16.48" (415-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-3500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm). THE INVERT LOCATION IN COLUMN "B" ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

REVISIONS

NO.	DATE	DESCRIPTION

DESIGNER: HGO 005 - ROSA PARKS
DRAWN: NS
CHECKED: MA

PROJECT #

DATE

DESCRIPTION

REV. BY/DATE

StormTech Chamber System

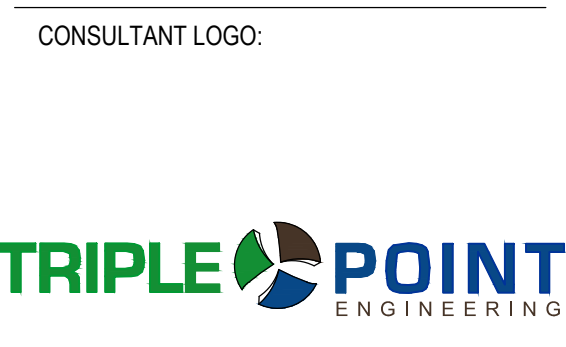
4640 TRULIHAN BLVD
MILLERSVILLE, OH 43084
(614) 752-7474

ADSS

SHEET 5 OF 5



3525 Piedmont RD NE
Building 8, Suite 320
Atlanta, Georgia 30306
www.hgor.com
p. 404-248-1960
f. 404-248-1092



CONSULTANT INFORMATION:

PROJECT TITLE:

ROSA PARKS SQUARE
RENOVATION PROJECT
POPLAR STREET
MACON, GEORGIA
MACON-BIBB COUNTY
MACON, GEORGIA

PROJECT NO:
21026

PRINCIPAL IN CHARGE: TF
PROJECT ARCHITECT:
DRAWN BY: MW

ISSUE AND DATE:
November 11th, 2021

CONSTRUCTION DOCUMENTS

REVISIONS:

NO.	DATE	DESCRIPTION

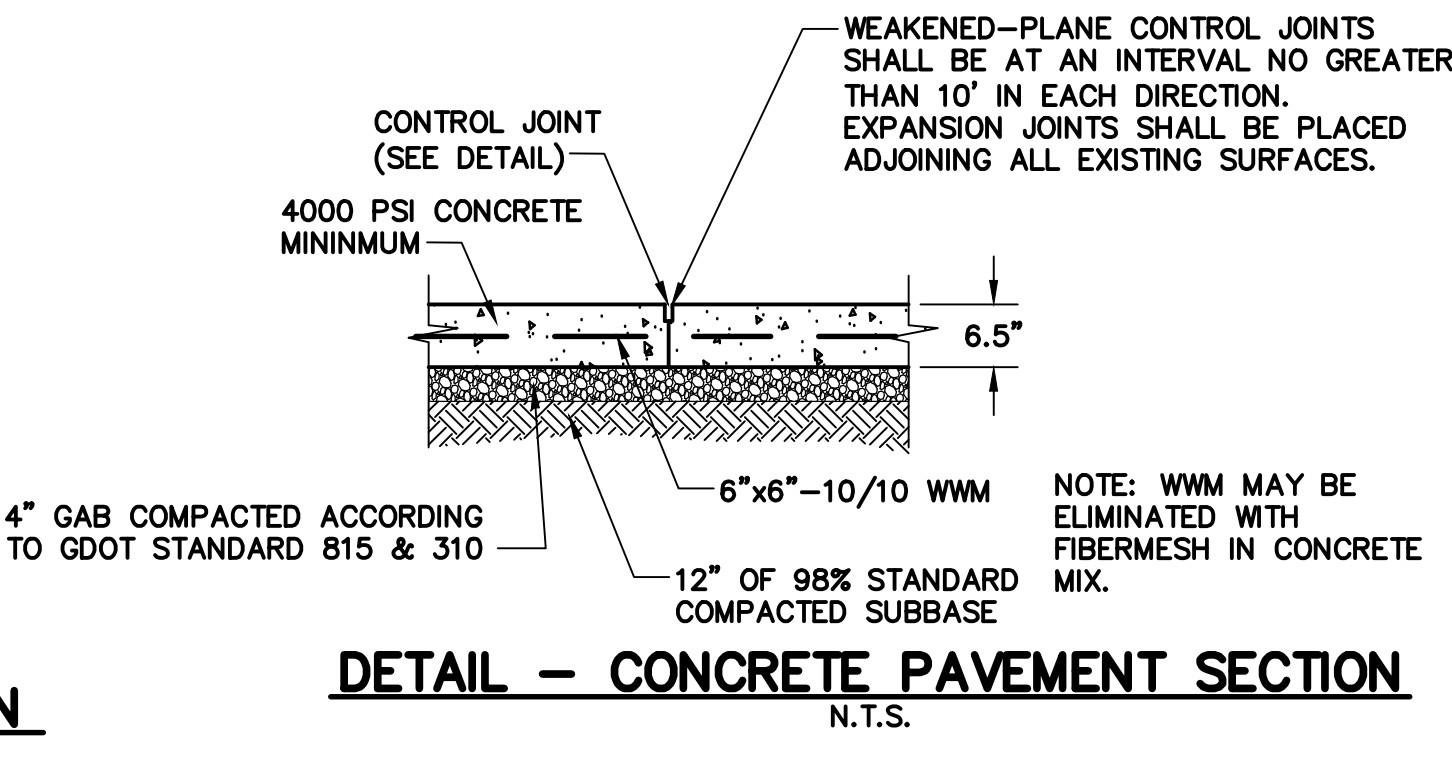
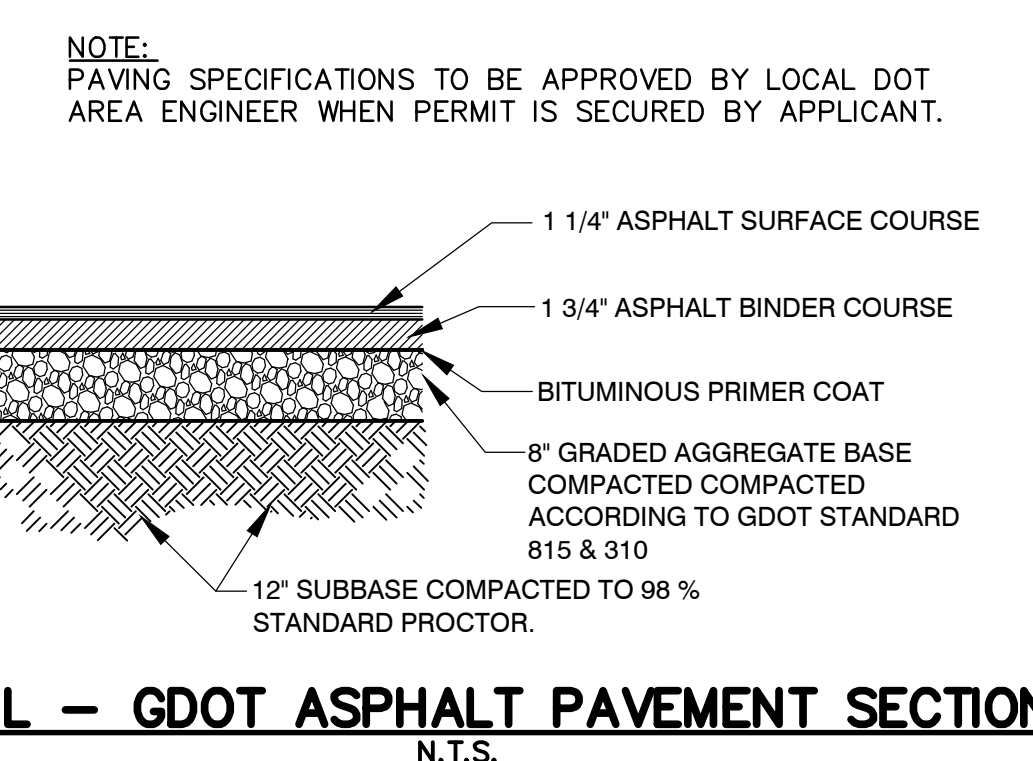
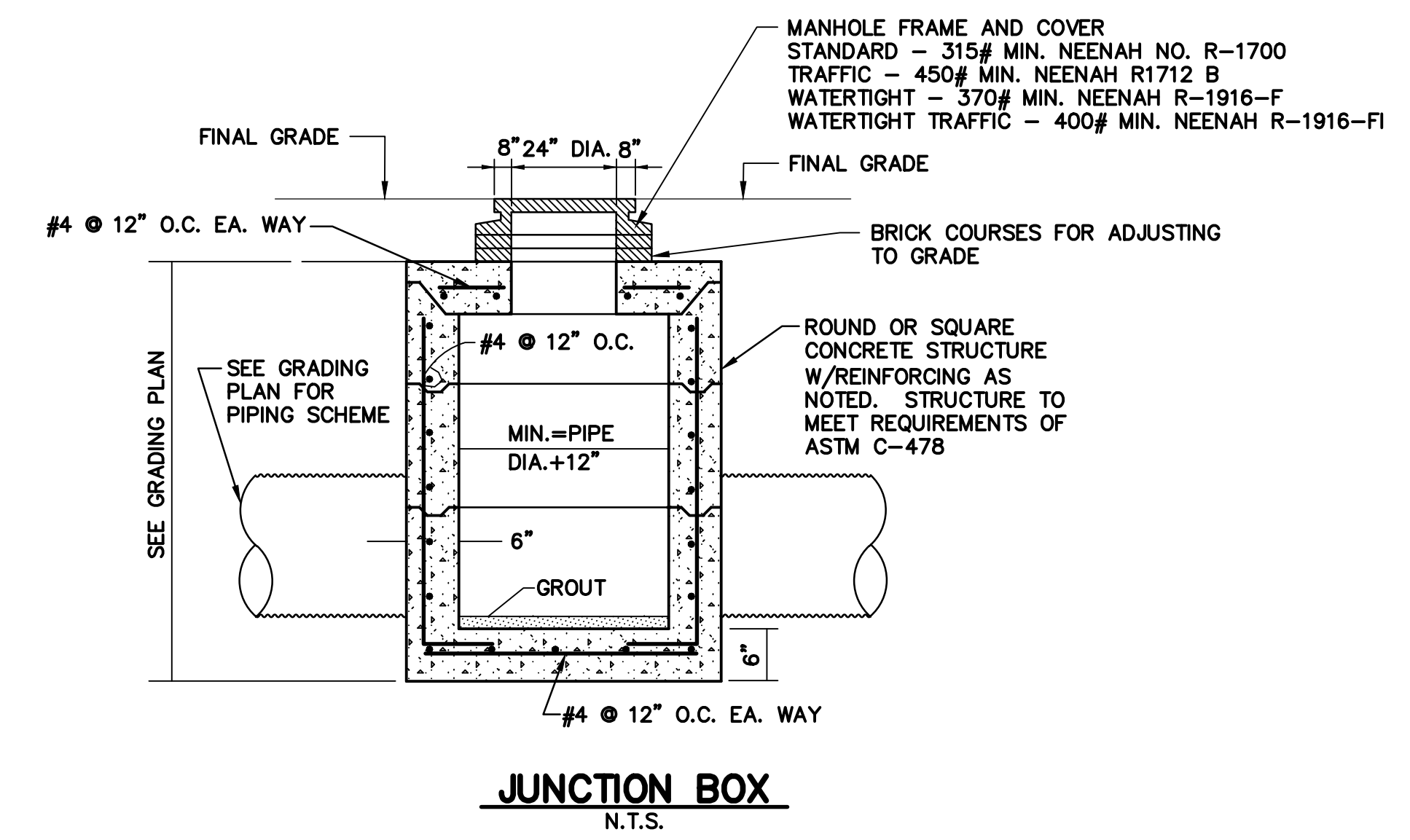
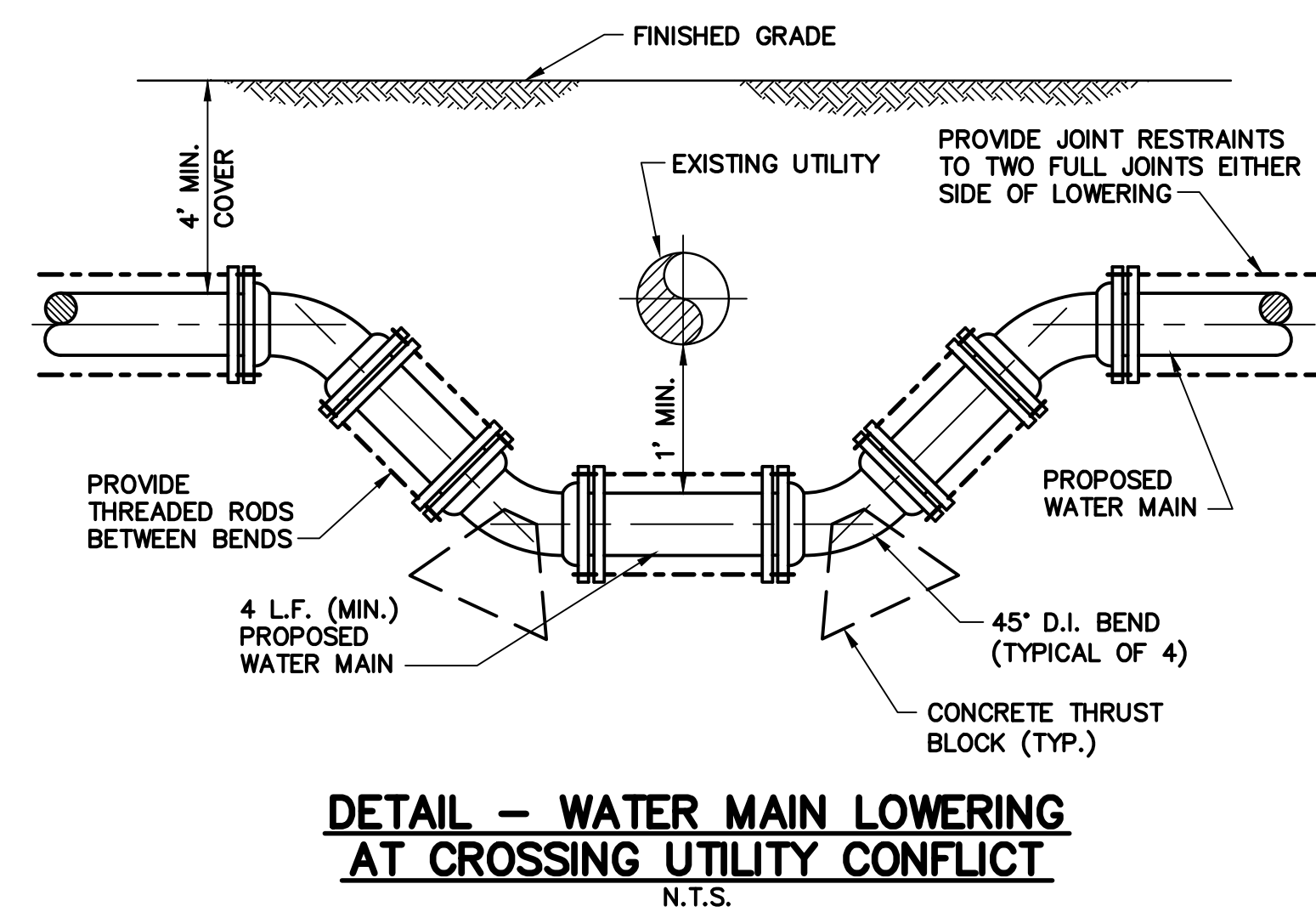
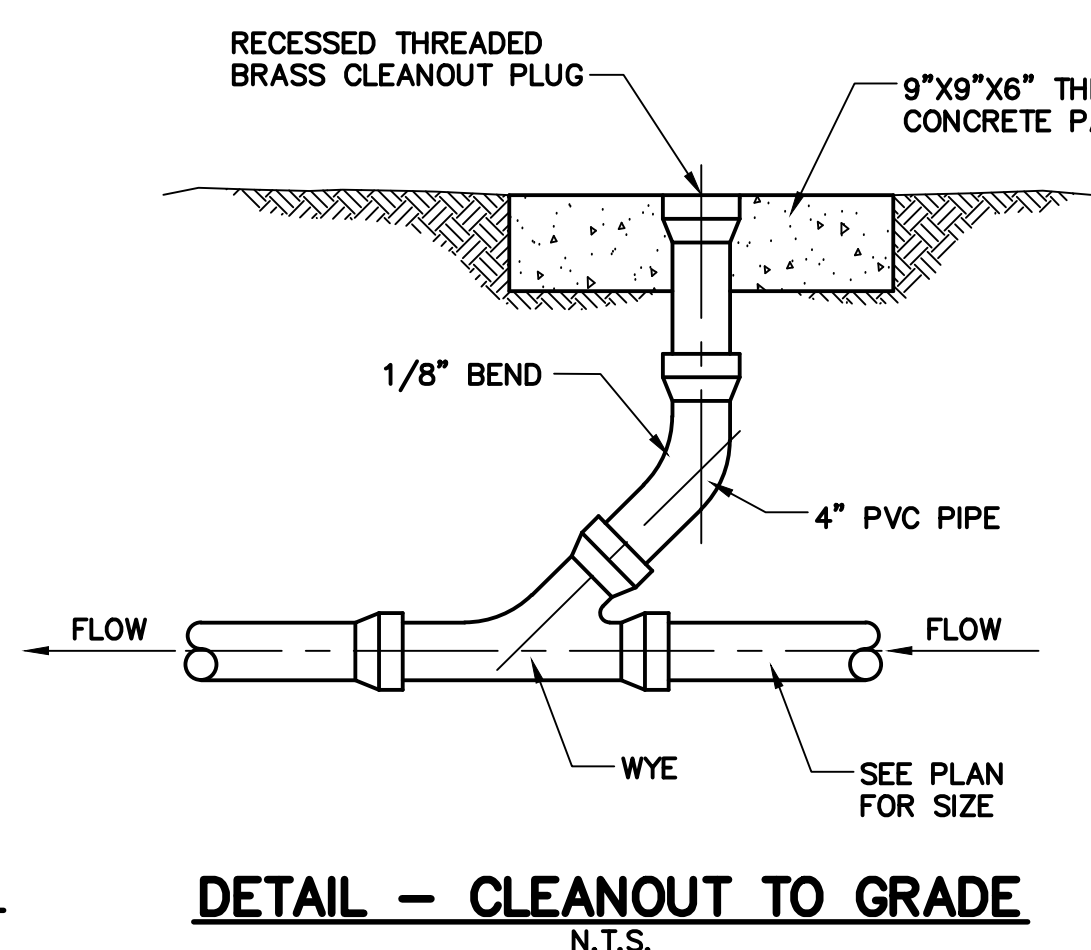
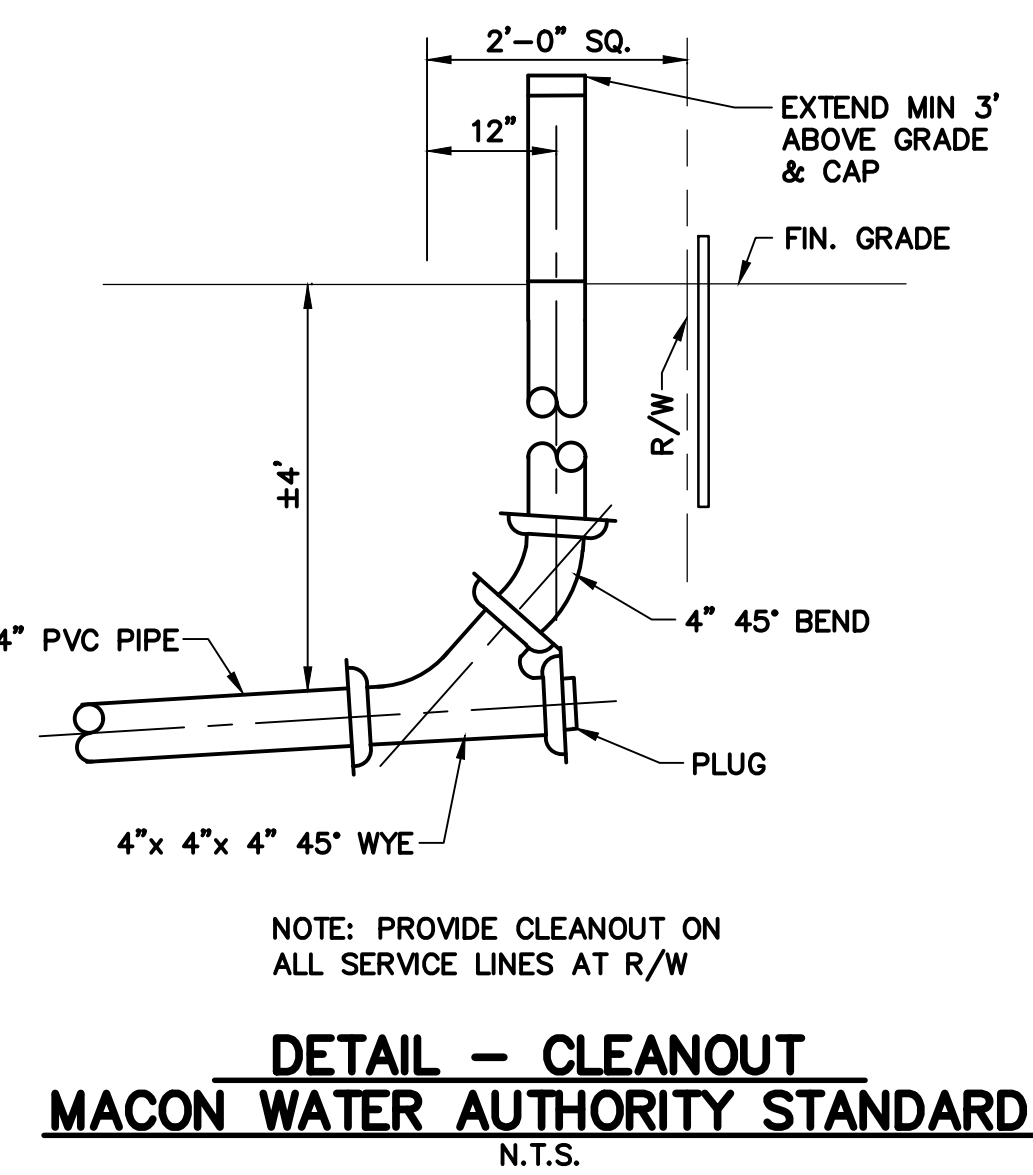
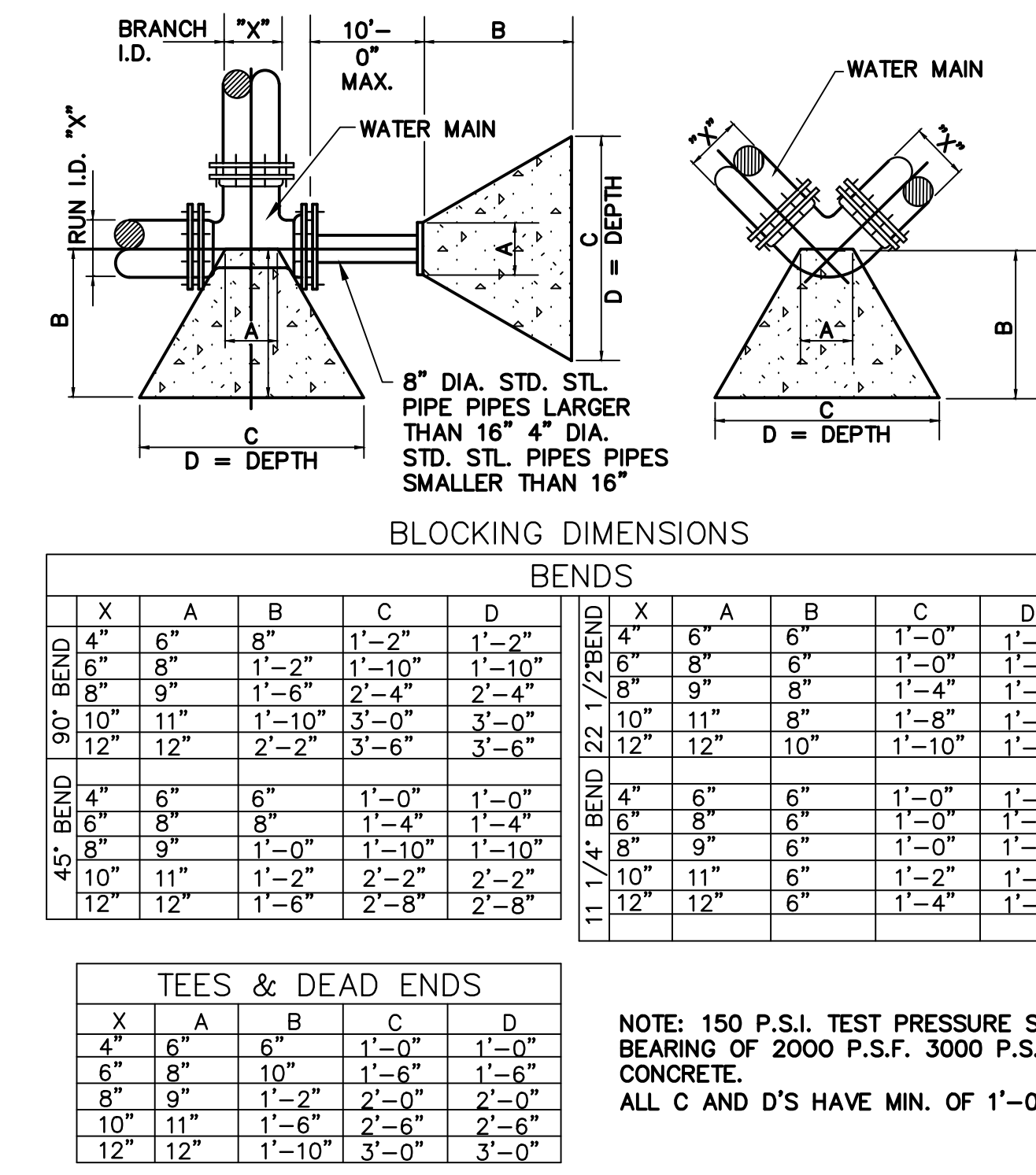
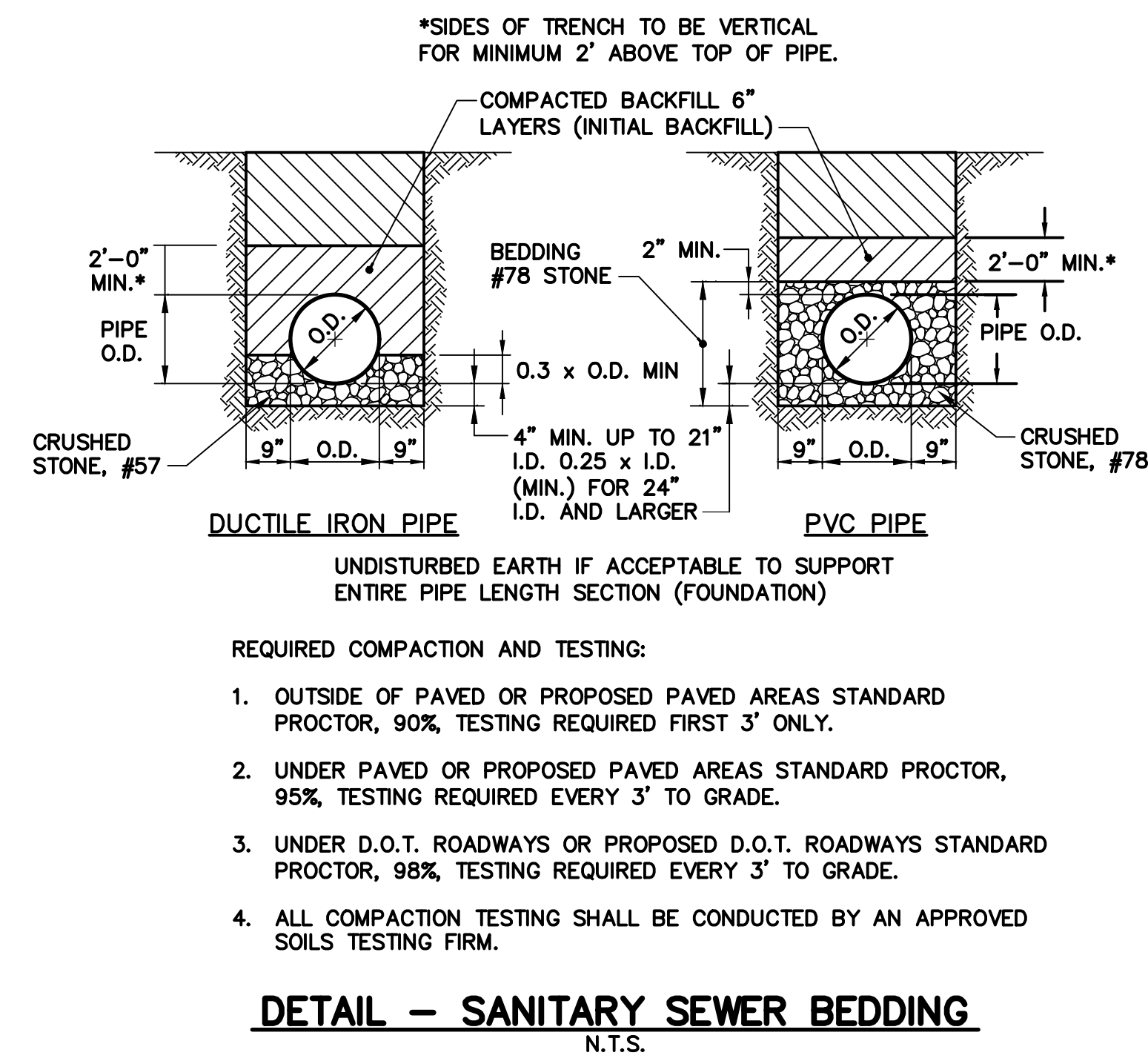
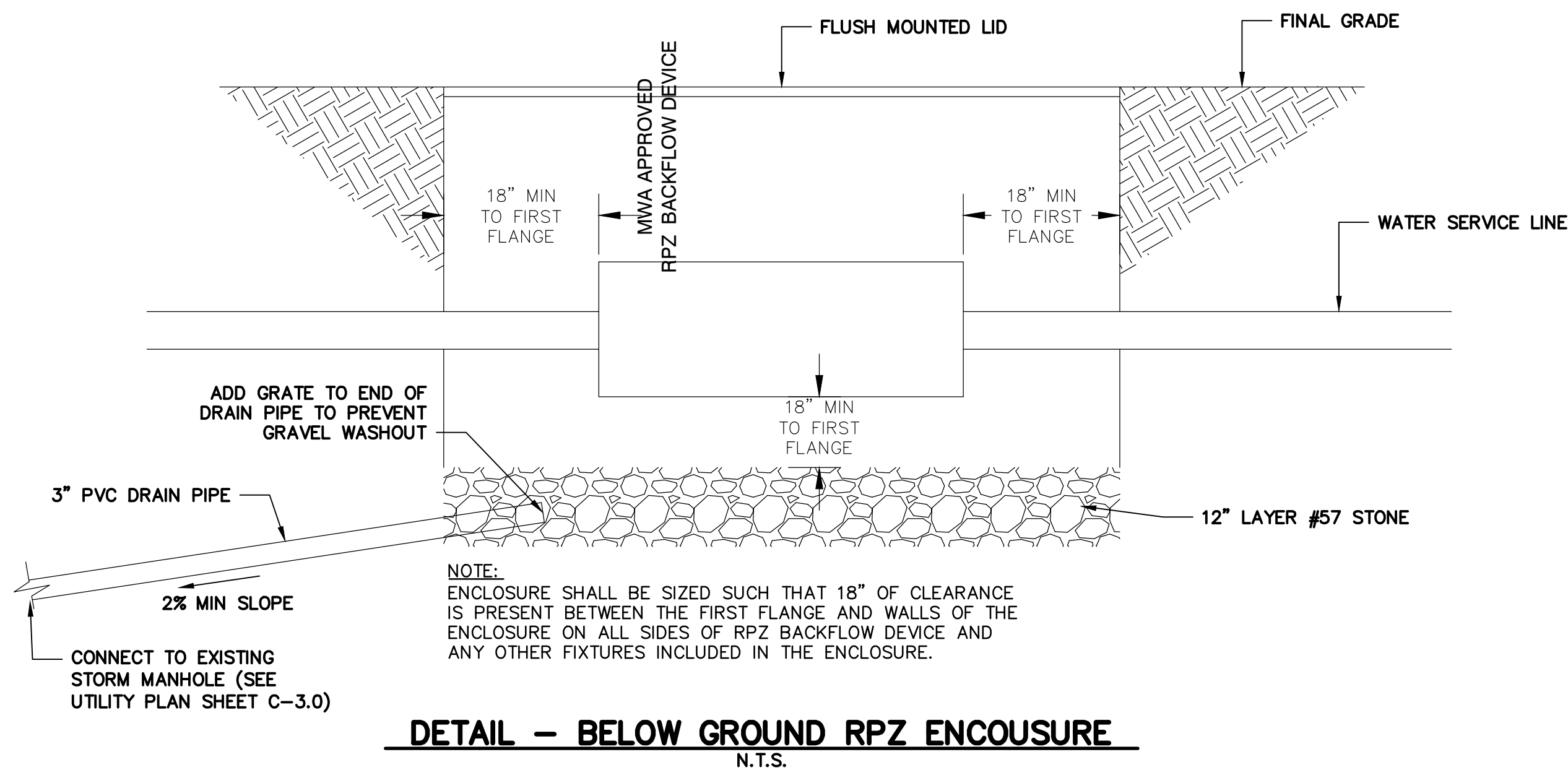


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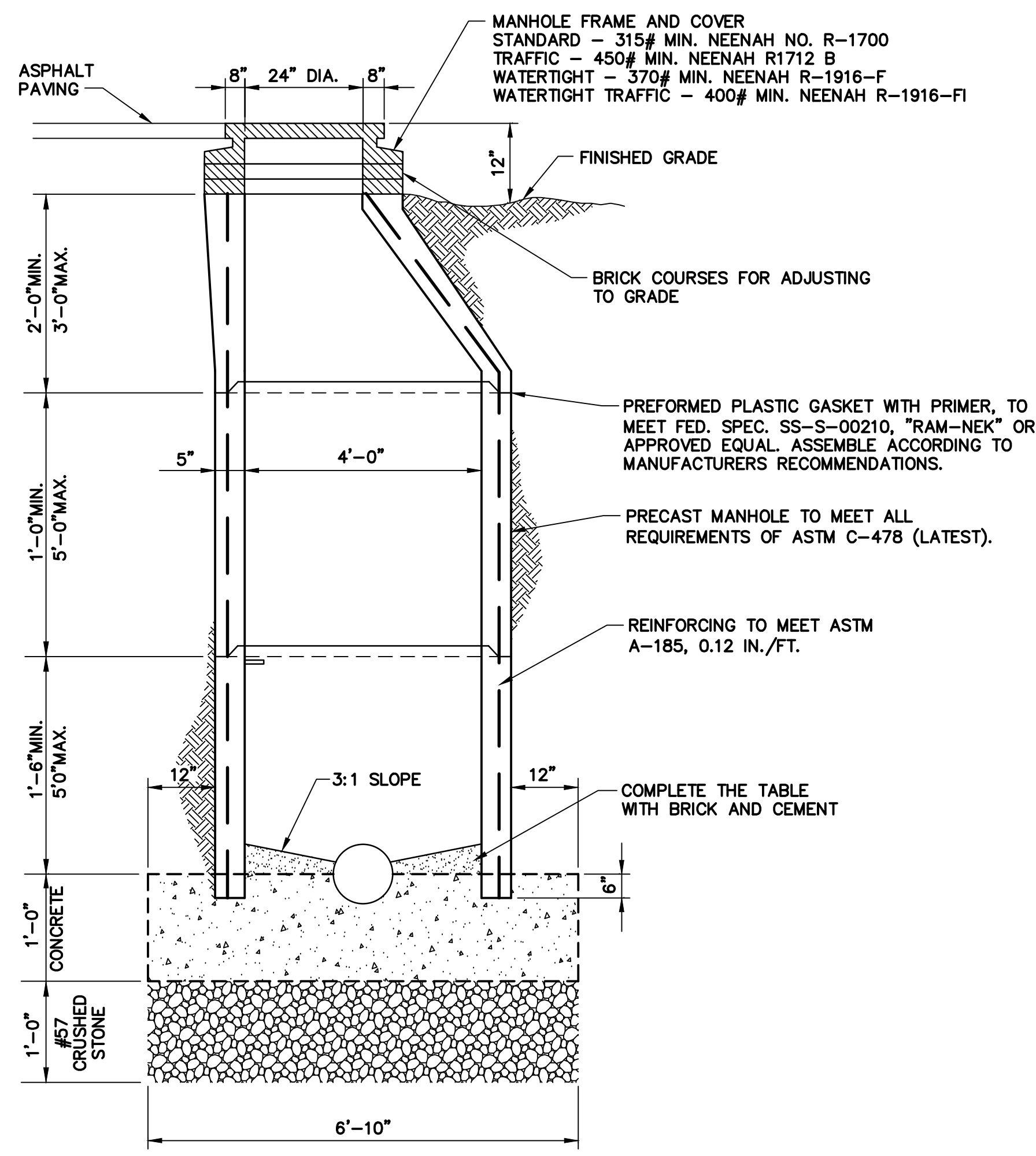
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C-4.3

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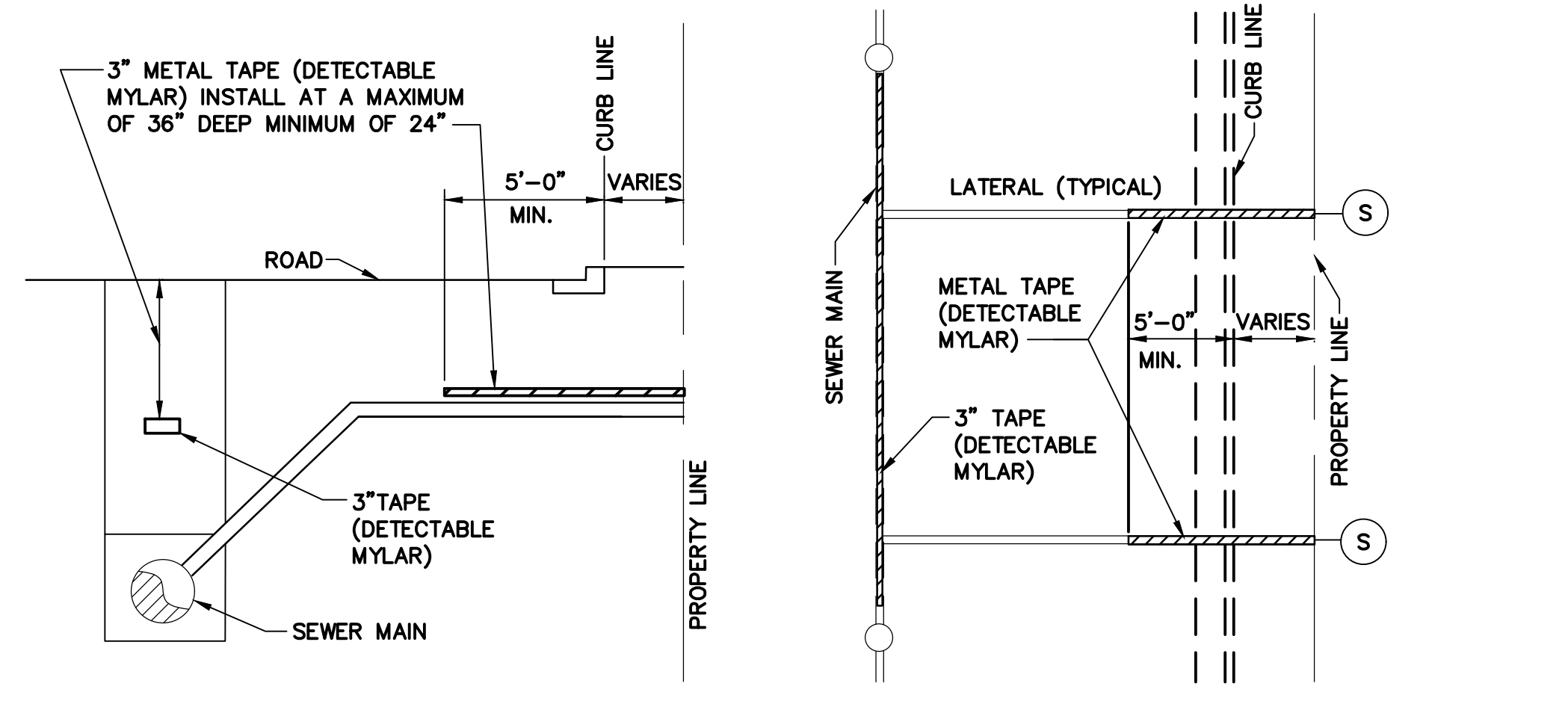
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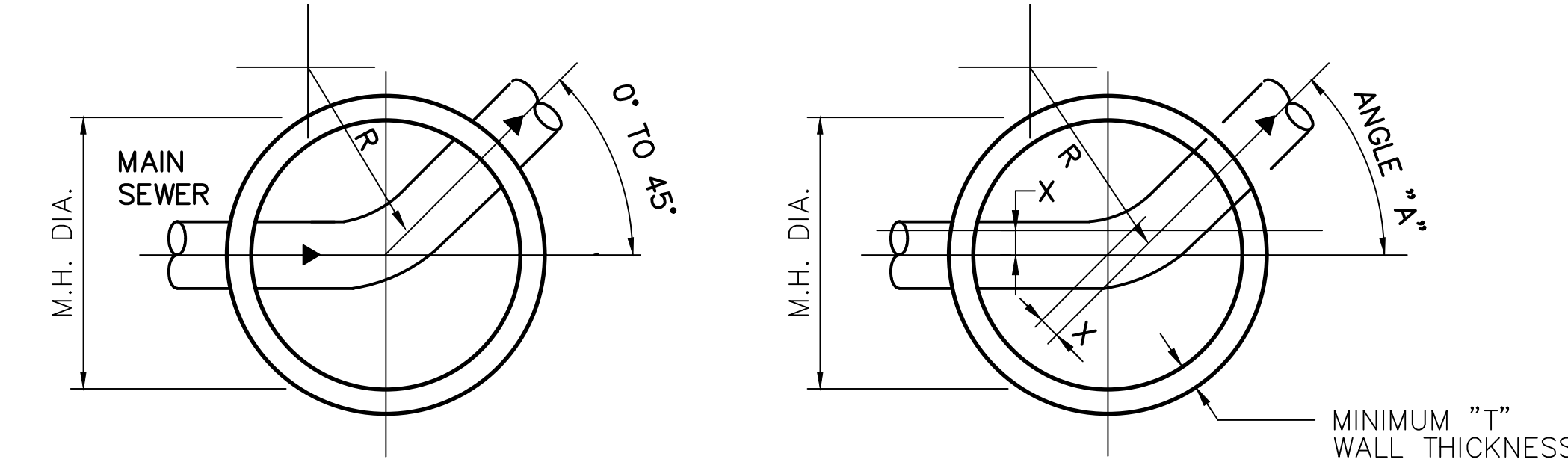
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DETAIL - DOGHOUSE MANHOLE
MACON WATER AUTHORITY STANDARD
 N.T.S.



DETAIL - METALLIC TAPE LOCATOR
MACON WATER AUTHORITY STANDARD
 N.T.S.



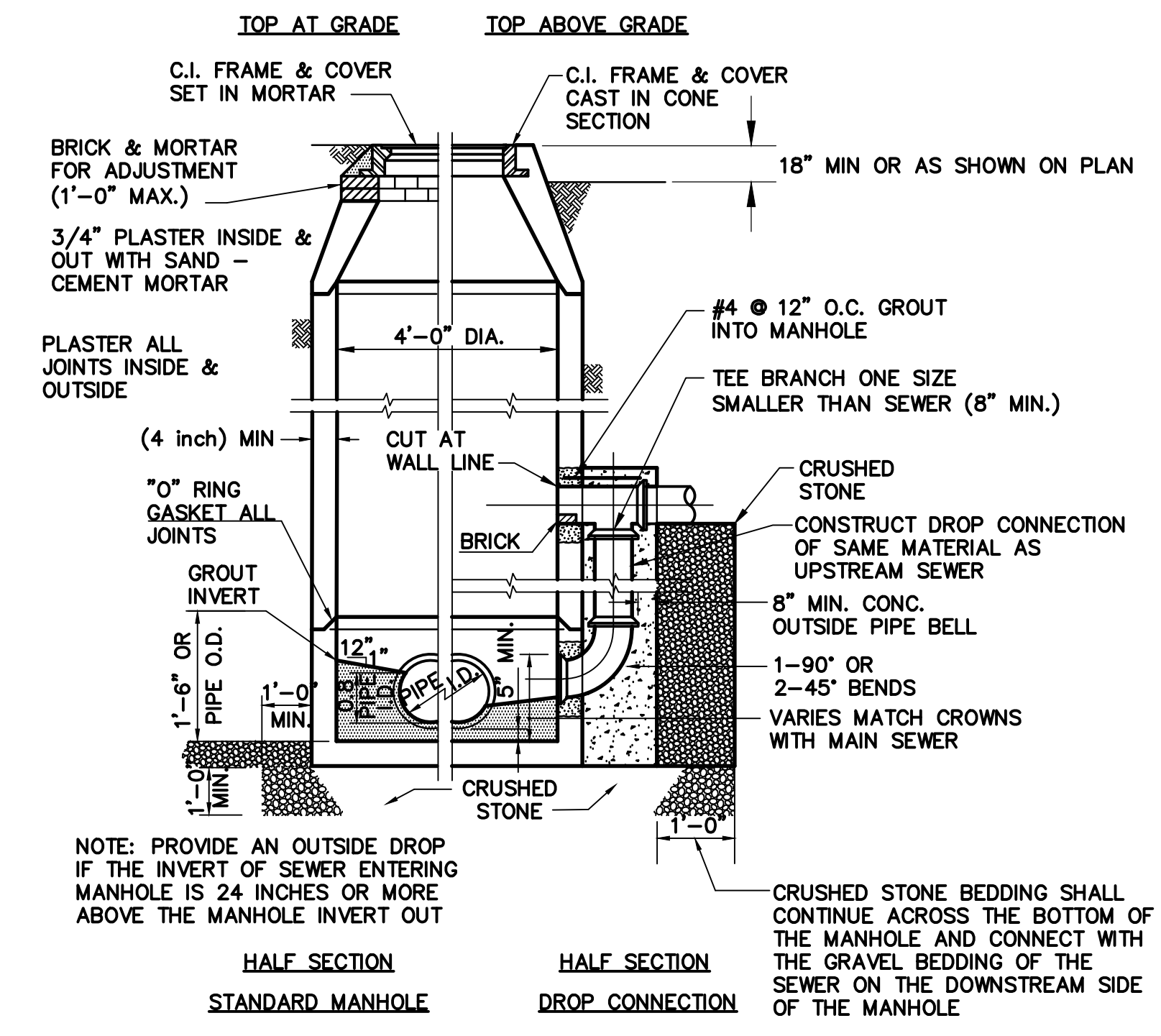
STANDARD MANHOLE SCHEDULE OF GOVERNING DIMENSIONS

PIPE SIZE	ANGLE "A"	MH. DIA.	"T"	"X"
8" TO 16"	0° TO 90°	4'-0"	5"	0"
18" TO 24"	0° TO 60°	4'-0"	5"	0"
18" TO 24"	60° TO 90°	5'-0"	6"	6"

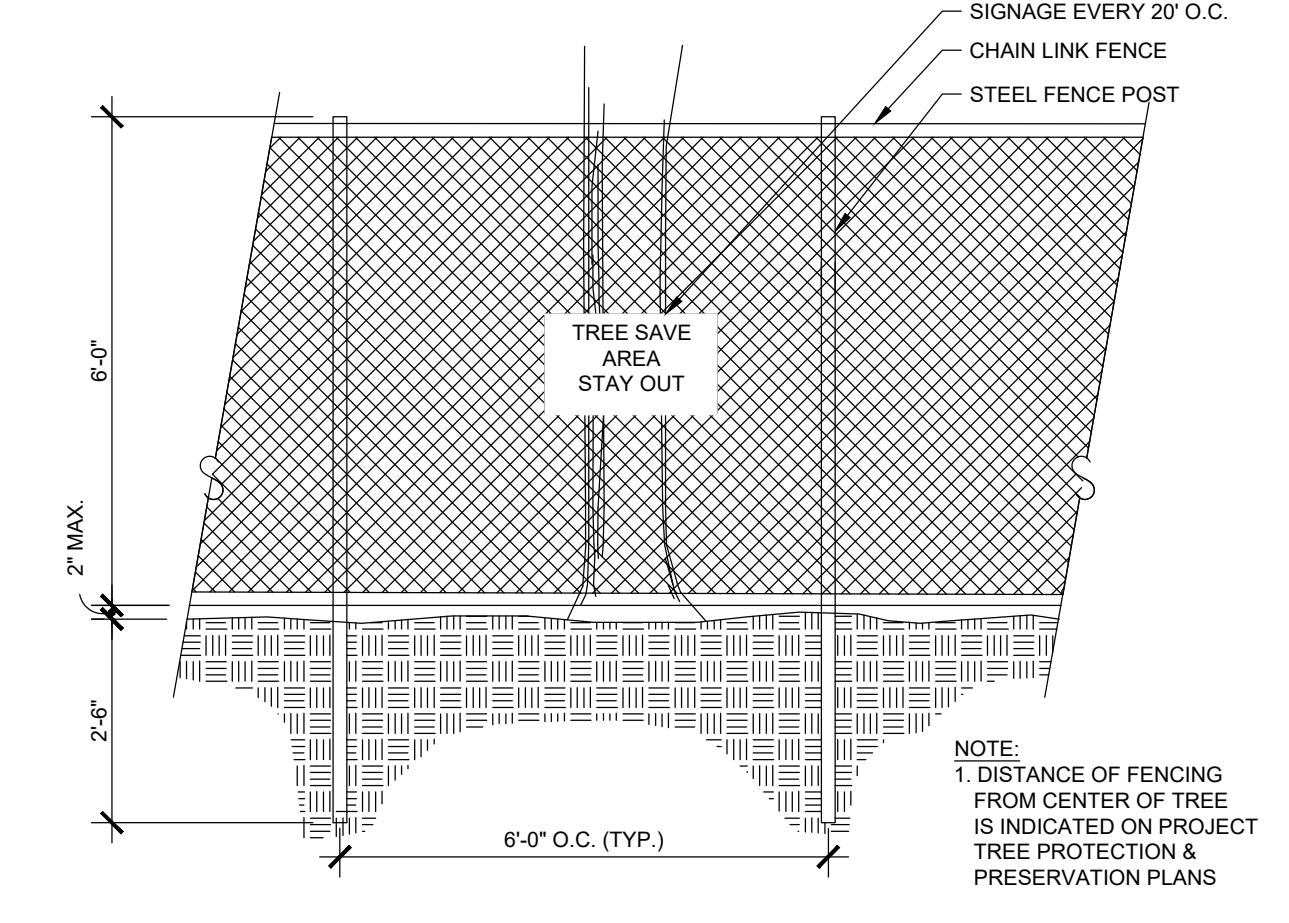
NOTE: MINIMUM C RADIUS (R) OF M.H. INVERT = 1.5 x PIPE DIAMETER

TYPICAL PLANS

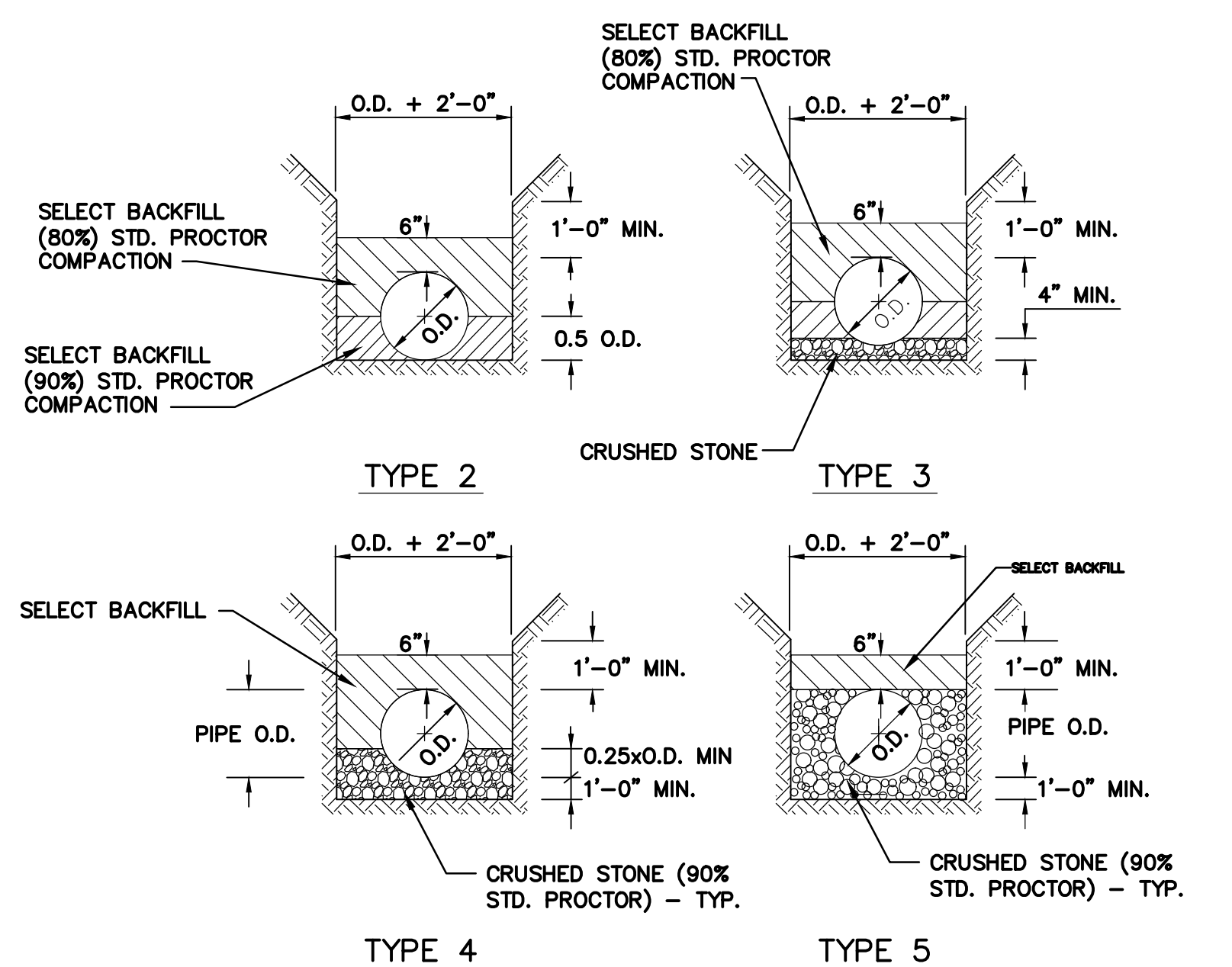
DETAIL - DIRECTION OF FLOW IN A MANHOLE
 N.T.S.



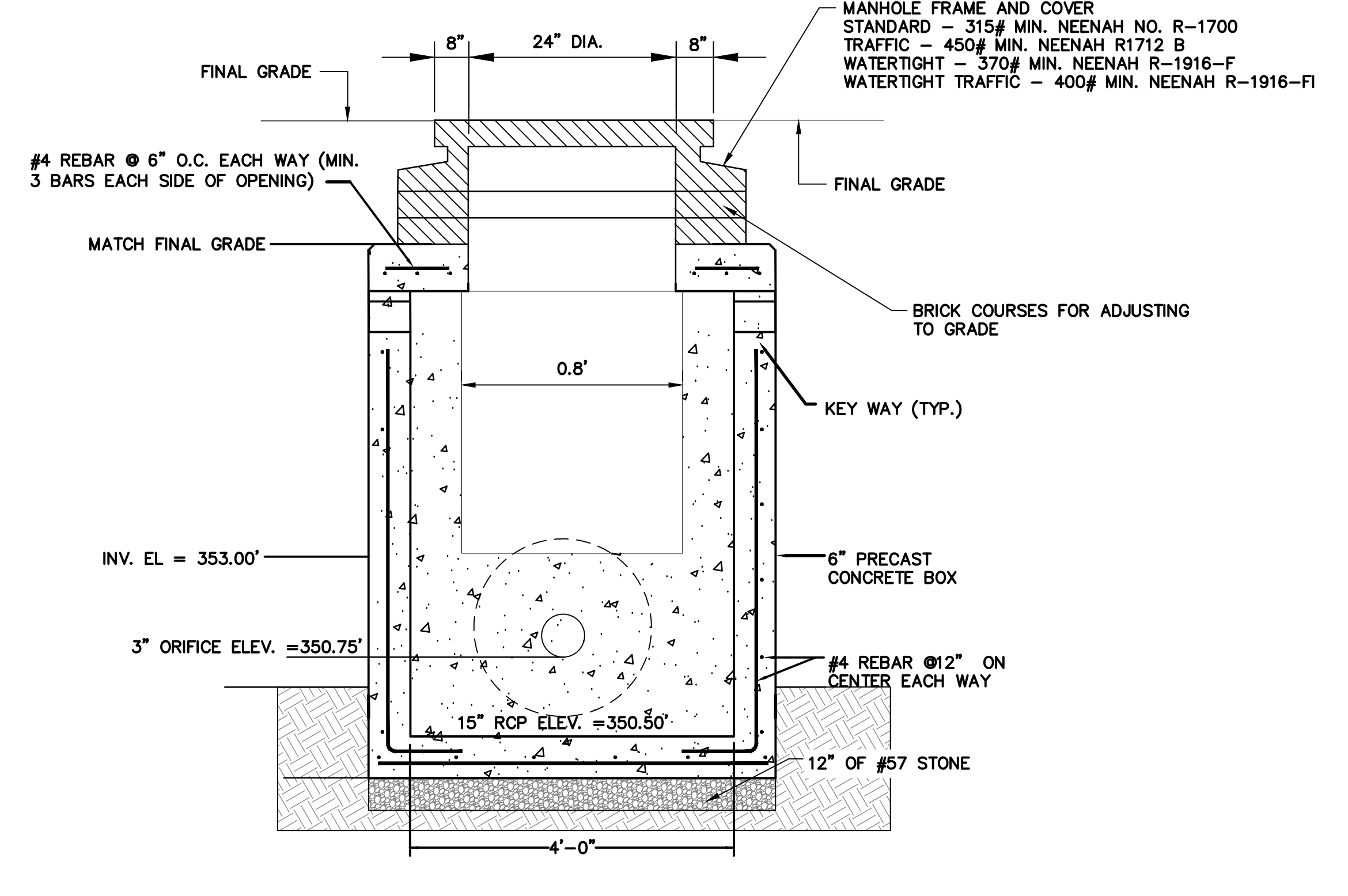
DETAIL - PRECAST CONCRETE MANHOLE
MACON WATER AUTHORITY STANDARD
 N.T.S.



DETAIL - TREE PROTECTION FENCE
 N.T.S.



DETAIL - PIPE BEDDING AND HAUNCHING
MACON WATER AUTHORITY STANDARD
 N.T.S.



DETAIL - OUTLET CONTROL STRUCTURE
 N.T.S.



3525 Piedmont RD NE
 Building 8, Suite 320
 Atlanta, Georgia 30306
 www.hgor.com
 p. 404-248-1960
 f. 404-248-1092

CONSULTANT LOGO:



CONSULTANT INFORMATION:

PROJECT TITLE:

ROSA PARKS SQUARE
RENOVATION PROJECT
 POPLAR STREET
 MACON, GEORGIA
 MACON-BIBB COUNTY
 MACON, GEORGIA

PROJECT NO:
21026

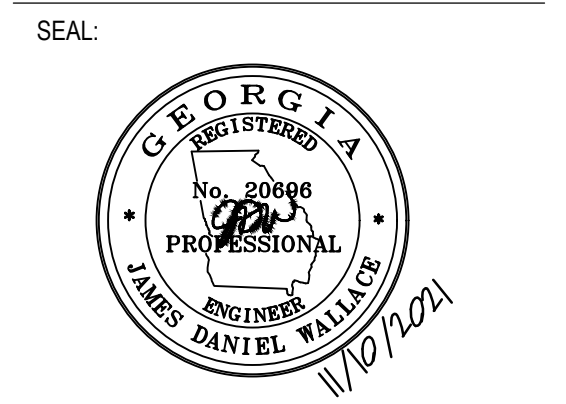
PRINCIPAL IN CHARGE: TF
 PROJECT ARCHITECT: MW
 DRAWN BY: MW

ISSUE AND DATE:
 November 11th, 2021

CONSTRUCTION DOCUMENTS

REVISIONS:

NO.	DATE	DESCRIPTION

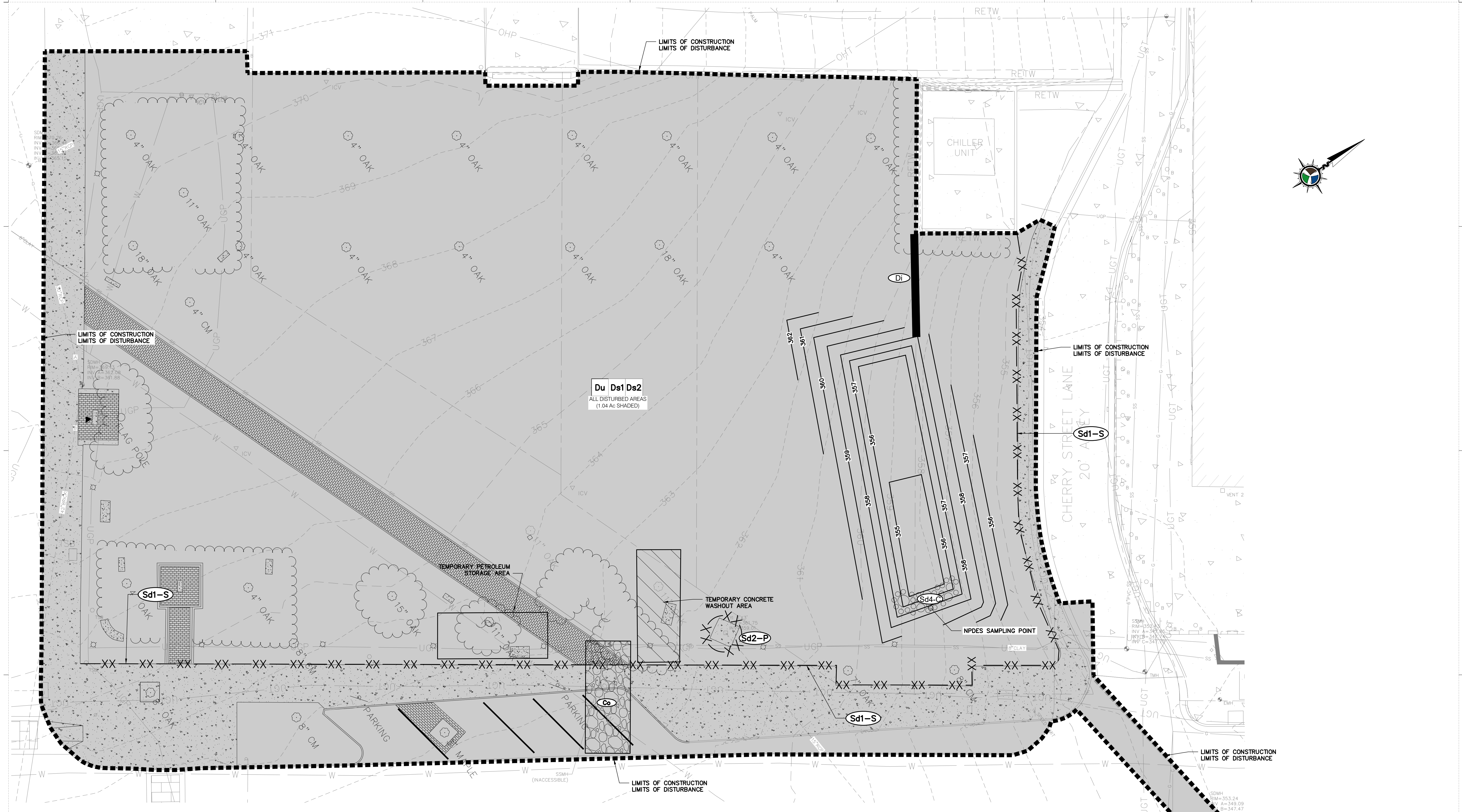


SHEET TITLE: SITE DETAILS

SHEET NO.:
C-5.1

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SOILS LEGEND	HYDROLOGIC SOIL GROUP
UD URBAN LAND	N/A

SEDIMENT STORAGE:
 1.04 AC DISTURBED
 67 CY PER AC REQUIRED
 REQUIRED STORAGE = 67 CY
 SEDIMENT STORAGE IN Sd4-C:
 Sd4-DEPTH STORAGE
 Sd4-C 3 FT 85 CY
 TOTAL 85 CY
 PROVIDED STORAGE 85 CY > REQUIRED STORAGE 67 CY

GSWCC Georgia Soil and Water Conservation Commission

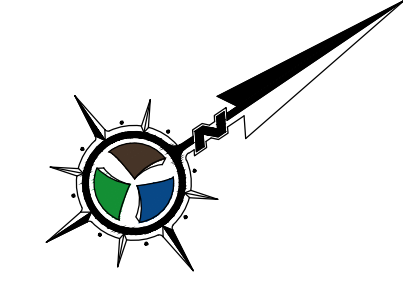
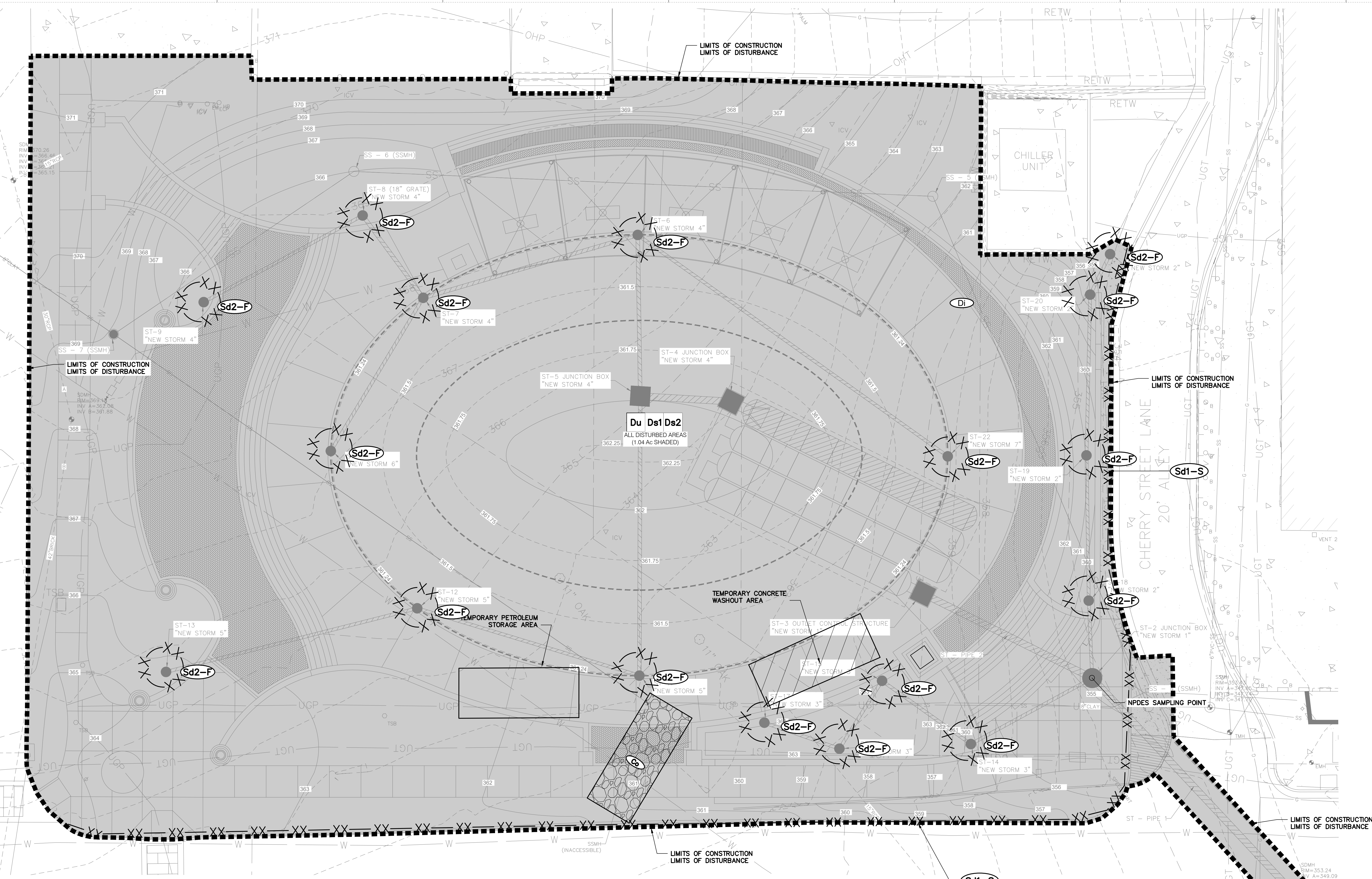
James D Wallace
 Level II Certified Design Professional

CERTIFICATION NUMBER 0000003053
 NUMBER 02/04/2019 EXPIRES 02/04/2022

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

GRAPHIC SCALE IN FEET
 SCALE: 1"=10'

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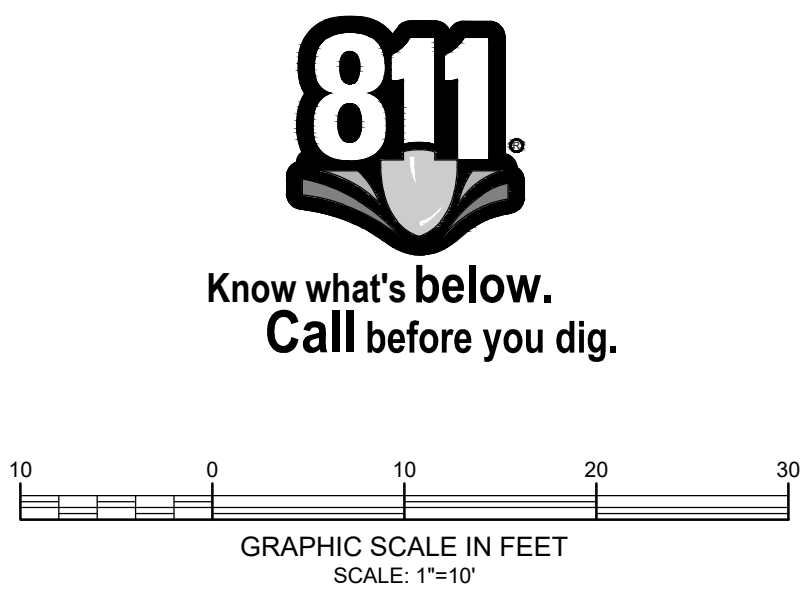
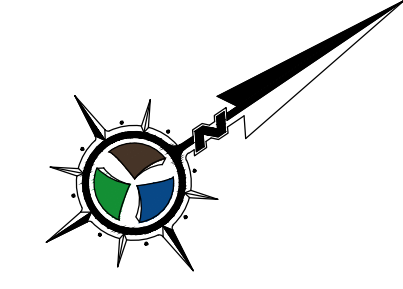
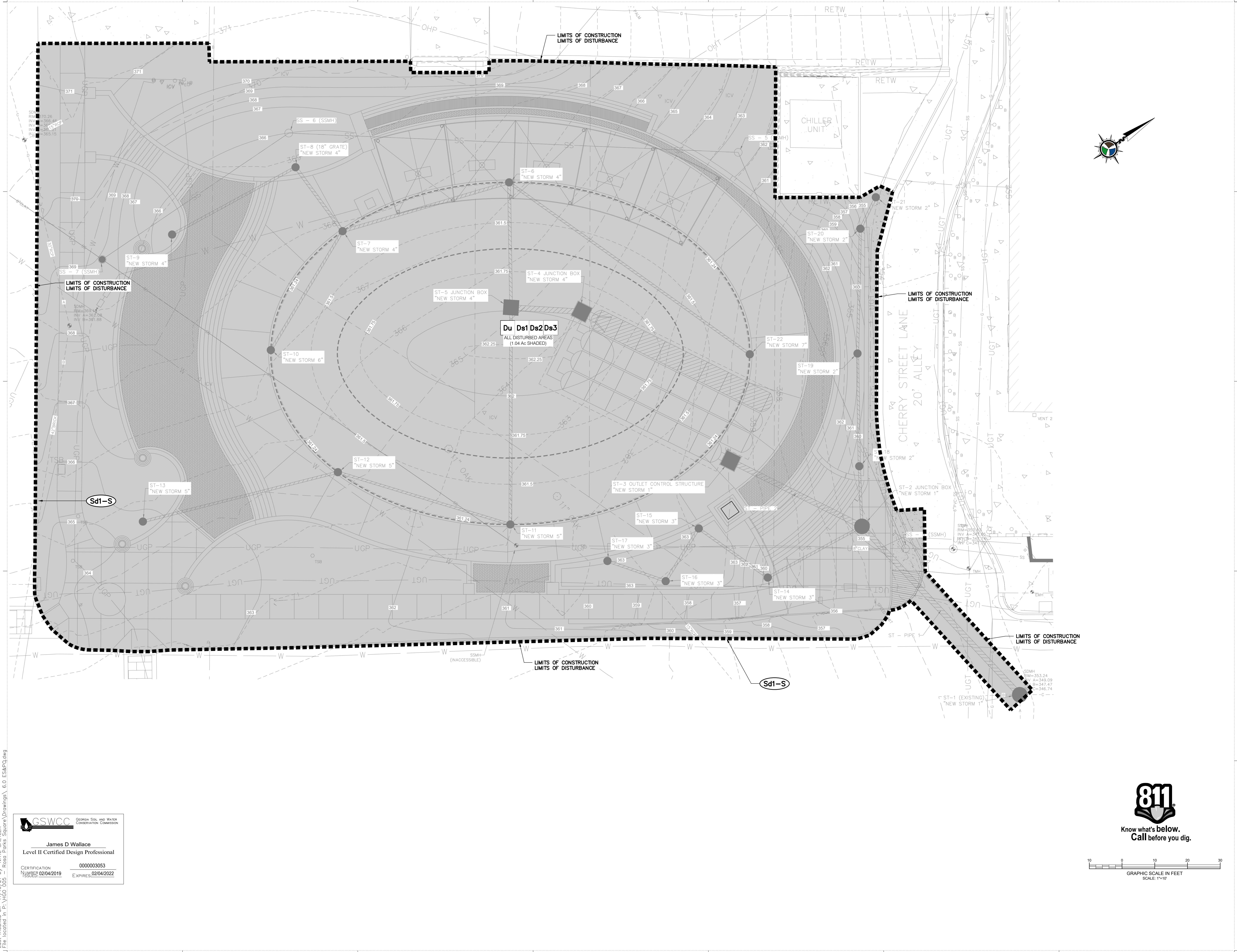
INLET ID#	DRAINAGE AREA (Ac)	REQ. SED. STORAGE (67CY/Ac)	REQ. SED. STORAGE (CF)	MIN. DEPTH (Ft.)	SIDE SLOPES (Ft. : 1 Ft.)	MIN. SURFACE AREA (Ft. ²)	LENGTH OF EXCAVATION (Ft. @ TOP)	LENGTH OF EXCAVATION (Ft. @ BOT.)	WIDTH OF EXCAVATION (Ft. @ TOP)	WIDTH OF EXCAVATION (Ft. @ BOT.)	STORAGE PROVIDED (CY)
ST-6	0.01	0.60	16.28	2.00	2.00	8.14	14.00	6.00	11.50	3.50	6.74
ST-7	0.07	4.69	126.63	2.00	2.00	63.32	14.00	6.00	11.50	3.50	6.74
ST-8	0.14	9.38	253.26	2.00	2.00	126.63	14.00	6.00	11.50	3.50	6.74
ST-9	0.02	1.34	36.18	2.00	2.00	18.09	14.00	6.00	11.50	3.50	6.74
ST-10	0.09	6.03	162.81	2.00	2.00	81.41	14.00	6.00	11.50	3.50	6.74
ST-11	0.09	6.03	162.81	2.00	2.00	81.41	14.00	6.00	11.50	3.50	6.74
ST-12	0.07	4.69	126.63	2.00	2.00	63.32	14.00	6.00	11.50	3.50	6.74
ST-13	0.01	0.67	18.09	2.00	2.00	9.05	14.00	6.00	11.50	3.50	6.74
ST-21	0.05	3.35	90.45	2.00	2.00	45.23	14.00	6.00	11.50	3.50	6.74
ST-22	0.13	8.71	235.17	2.00	2.00	117.59	14.00	6.00	11.50	3.50	6.74
TOTAL											67.41

GSWCC Georgia Soil and Water Conservation Commission
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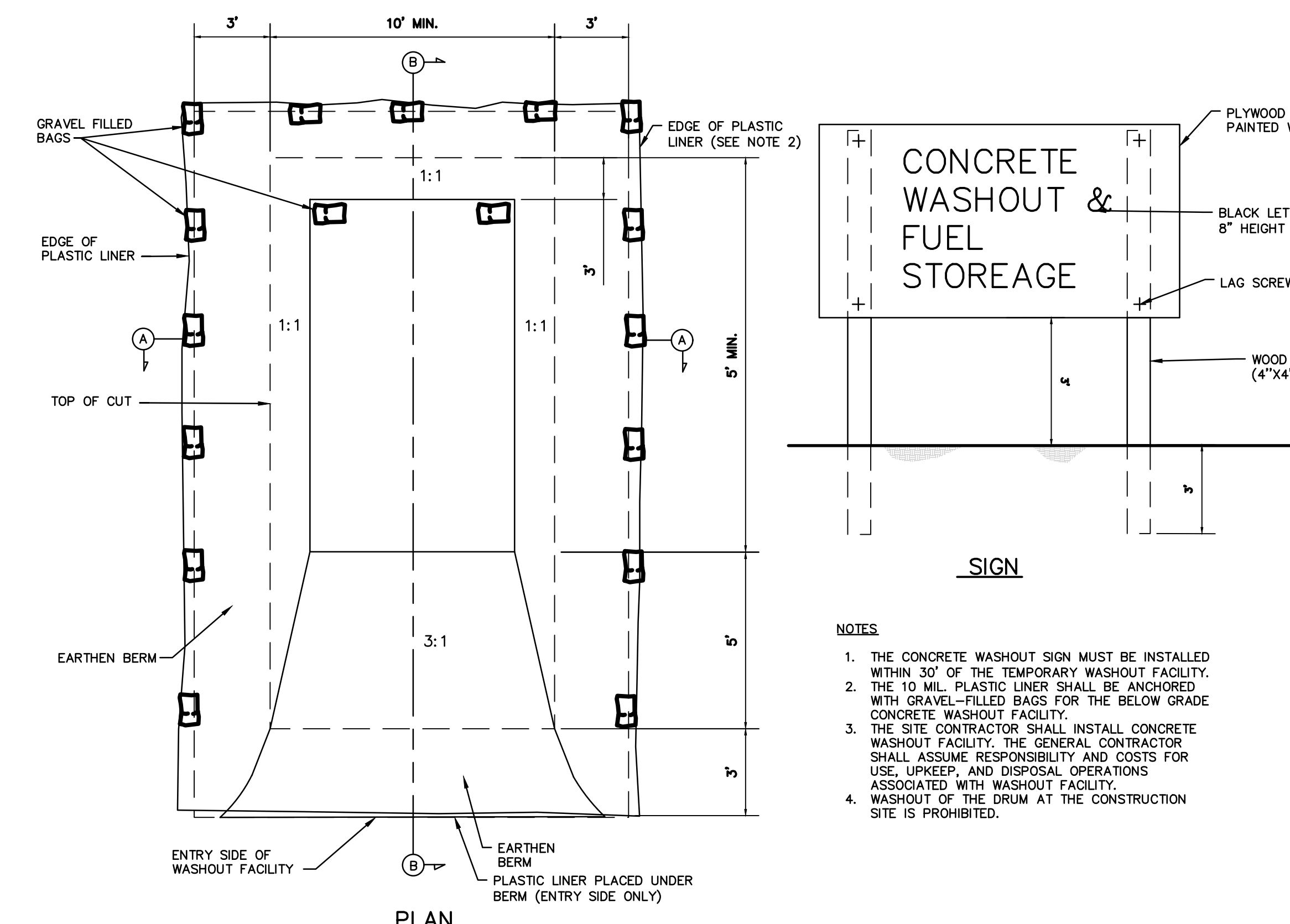
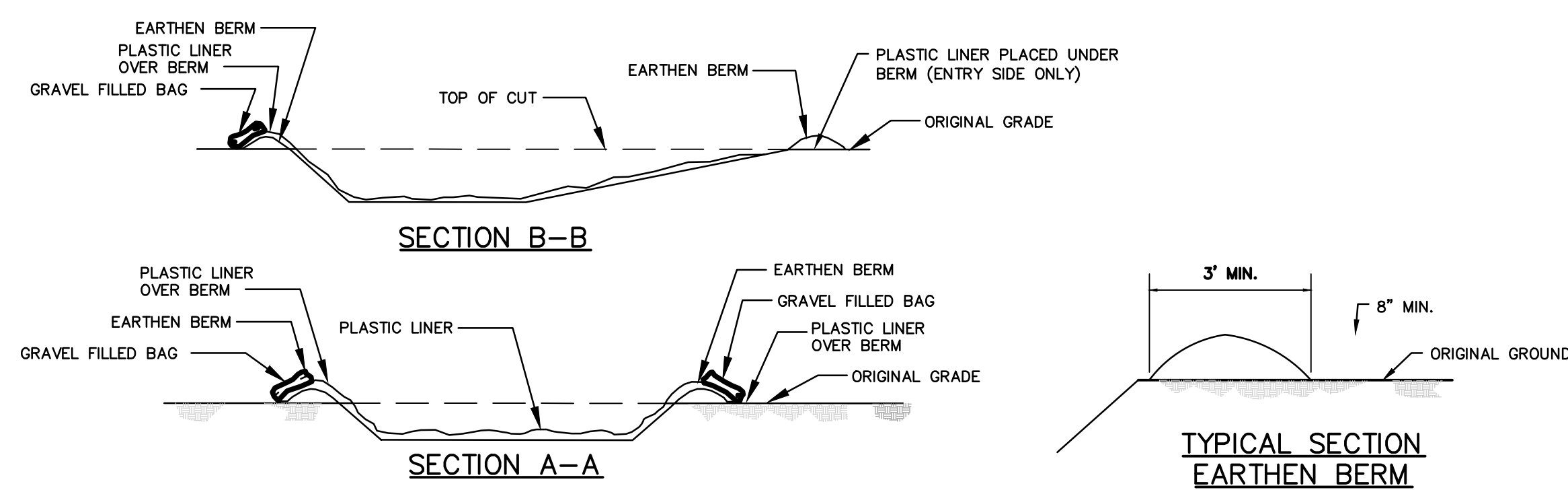


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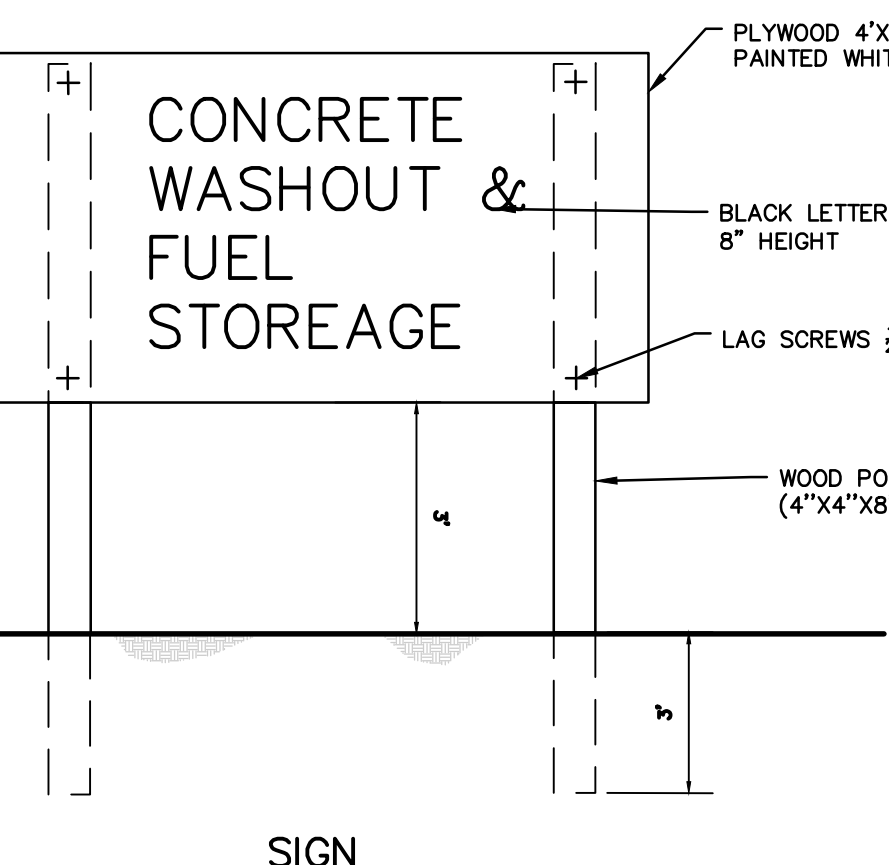
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TEMPORARY CONCRETE WASHOUT & FUEL STORAGE FACILITY
N.T.S.



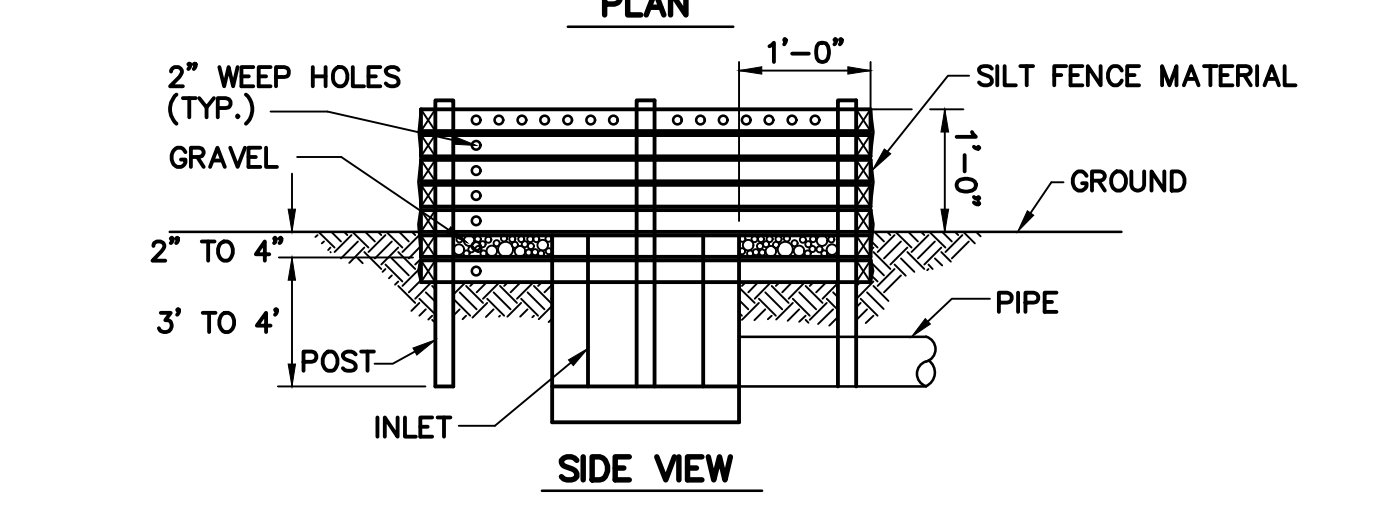
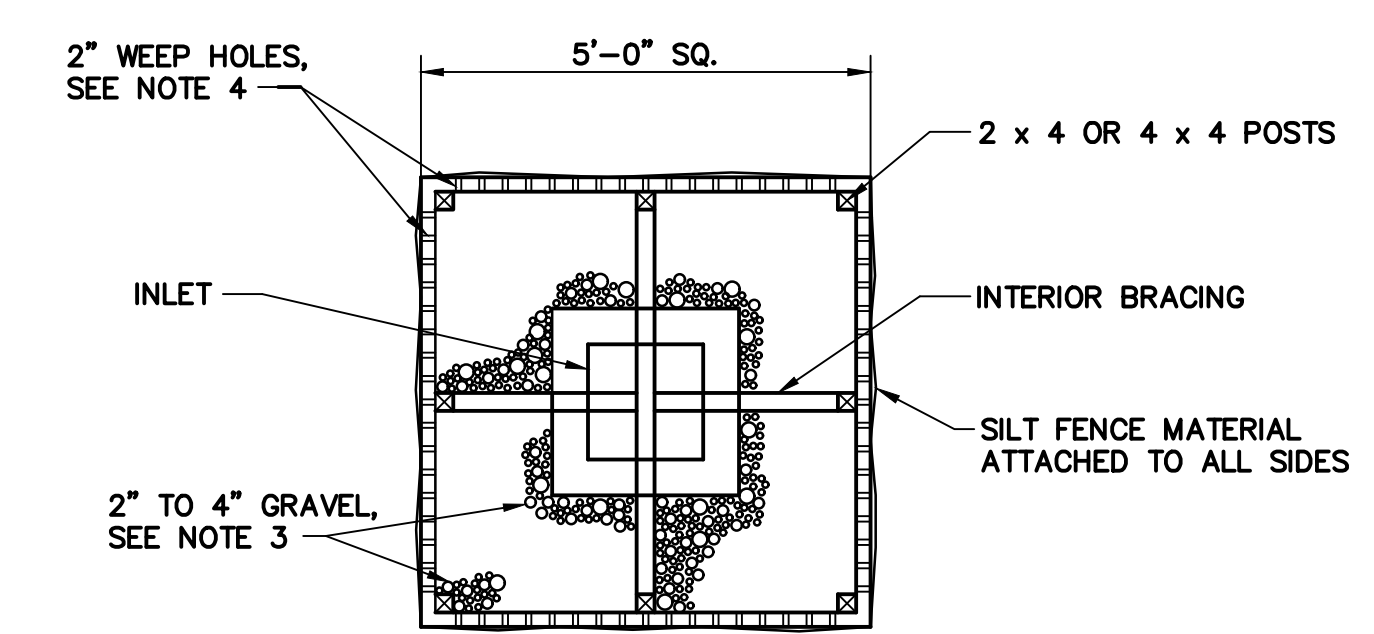
- NOTES**
1. THE CONCRETE WASHOUT SIGN MUST BE INSTALLED WITHIN 30' OF THE TEMPORARY WASHOUT FACILITY.
 2. THE 10 MIL PLASTIC LINER SHALL BE ANCHORED WITH GRAVEL-FILLED BAGS FOR THE BELOW GRADE CONCRETE WASHOUT FACILITY.
 3. THE SITE CONTRACTOR SHALL INSTALL CONCRETE WASHOUT FACILITY. THE GENERAL CONTRACTOR SHALL ASSUME RESPONSIBILITY AND COSTS FOR USE, UNKEEP, AND DISPOSAL OPERATIONS ASSOCIATED WITH WASHOUT FACILITY.
 4. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

STARTING DATE: _____
COMPLETION DATE: _____

ITEM	DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	SILT BARRIER INSTALLATION																		
2	SEDIMENT TRAPS																		
3	CLEARING AND GRUBBING																		
4	GRADING																		
5	BUILDING CONSTRUCTION																		
6	STORM DRAINAGE																		
7	TEMPORARY GRASSING/MULCHING																		
8	AGGREGATE BASE AND PAVING																		
9	FINAL STABILIZATION & REMOVAL OF TEMPORARY STRUCTURES																		
10	MAINTENANCE OF EROSION CONTROL STRUCTURES																		

STARTING AND COMPLETION DATES ARE APPROXIMATE AND ARE NOT INTENDED TO BE CONTRACTUAL. "FINAL STABILIZATION" MEANS THAT ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED, AND THAT FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIP RAP, GABIONS, PERMANENT MULCHES OR GEOTEXTILES) HAVE BEEN USED. PERMANENT VEGETATION SHALL CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL VINES; A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE TIME OF YEAR AND REGION; OR A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION.

CONSTRUCTION TIMELINE
N.T.S.



- NOTES**
1. THE SEDIMENT BOX TO BE MADE OF 1x4" BOARDS SPACED A MAXIMUM OF 1" APART OR OF PLYWOOD WITH 2" WEEP HOLES.
 2. DIMENSIONS OF THE BOX WILL VARY ACCORDING TO THE SIZE OF THE INLET AND THE DEPTH OF THE BASIN.
 3. PLACE GRAVEL INSIDE THE BOX ALL AROUND THE INLET TO A DEPTH OF 3. 2" TO 4".
 4. SPACE THE WEEP HOLES APPROXIMATELY 6" O.C. VERTICAL AND 6" O.C. HORIZONTAL WHERE PLYWOOD IS USED.

Sd2-F DETAIL - TEMPORARY SEDIMENT TRAP
N.T.S.

Du DUST SHALL BE CONTROLLED ON THIS SITE BY APPLYING A WATER SPRAY TO DISTURBED AREAS AS NEEDED.

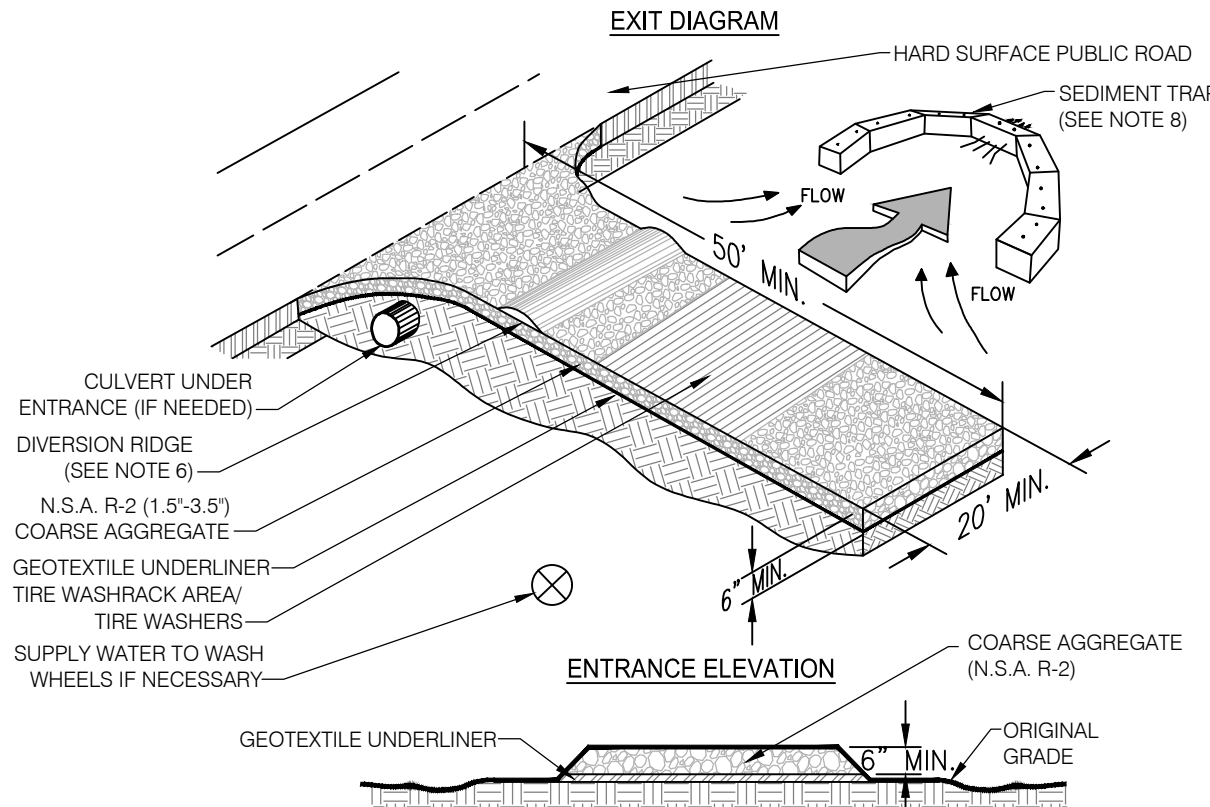
Ds1 MULCHING RATES:
DRY STRAW OR HAY - SPREAD AT A RATE OF 2 1/2 TONS PER ACRE. WOOD WASTE, CHIPS, SANDUST, OR BARK - SPREAD 2 TO 3 INCHES DEEP. EROSION CONTROL MATTING OR NETTING - APPLY IN ACCORDANCE WITH MFG. REC'S. POLYETHYLENE FILM - SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR PROTECTION.

Ds2 TEMPORARY VEGETATIVE SPECIFICATIONS:
TEMP. GRASSING SHALL BEGIN 2 WEEKS FOLLOWING INITIAL DISTURBANCE.

SPECIES	RATE PER 1000 SQ.FT.	RATE PER ACRE	PLANTING DATES
RYE	3.9 POUNDS	3 BU.	9-1 TO 1-1
RYE GRASS, ANNUAL	1 POUND	40-50 lbs.	9-1 TO 4-15
SUDAN GRASS	1.4 POUNDS	60 lbs.	4-1 TO 10-1
BROWN TOP MILLET	1 POUND	40 lbs.	4-1 TO 7-15
WHEAT	4.1 POUNDS	3 BU.	10-1 TO 1-1

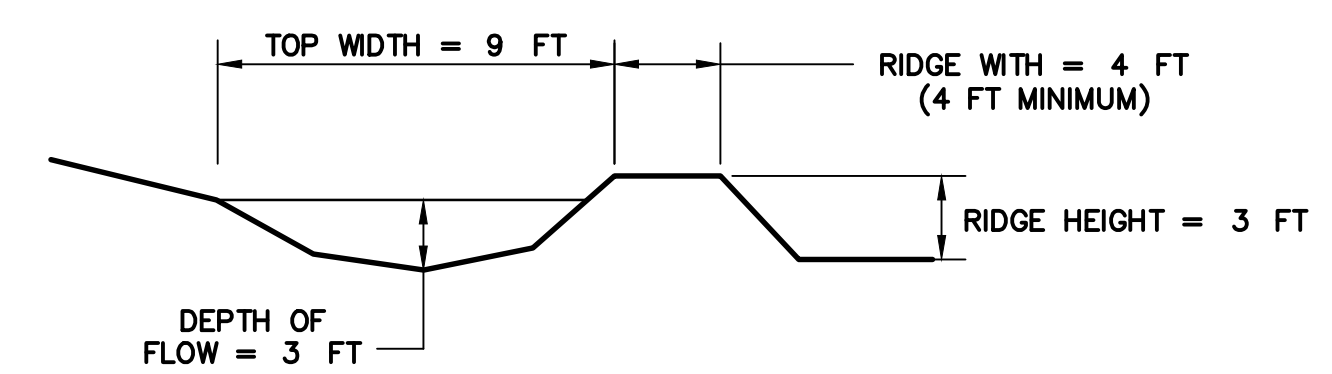
Ds3 PERMANENT VEGETATIVE SPECIFICATIONS:

GRASS	SEEDING RATE	PLANTING DATES	FERTILIZER RATE
HULLED COMMON BERMUDA	8lbs./Ac	3-1 TO 6-15	6 12 12 1st. 1500 Lbs.
UNHULLED COMMON BERMUDA	10lbs./Ac	10-1 TO 3-1	SAME AS ABOVE
PENSACOLA BAHIA	60 Lb./Ac	Year Round	SAME AS ABOVE
MULCH - 2 1/2 TON/Ac.			
LIME - 1 TON/Ac.			



- NOTES**
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND GROUND FOR POSITIVE DRAINAGE.
 3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
 5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
 9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
 10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

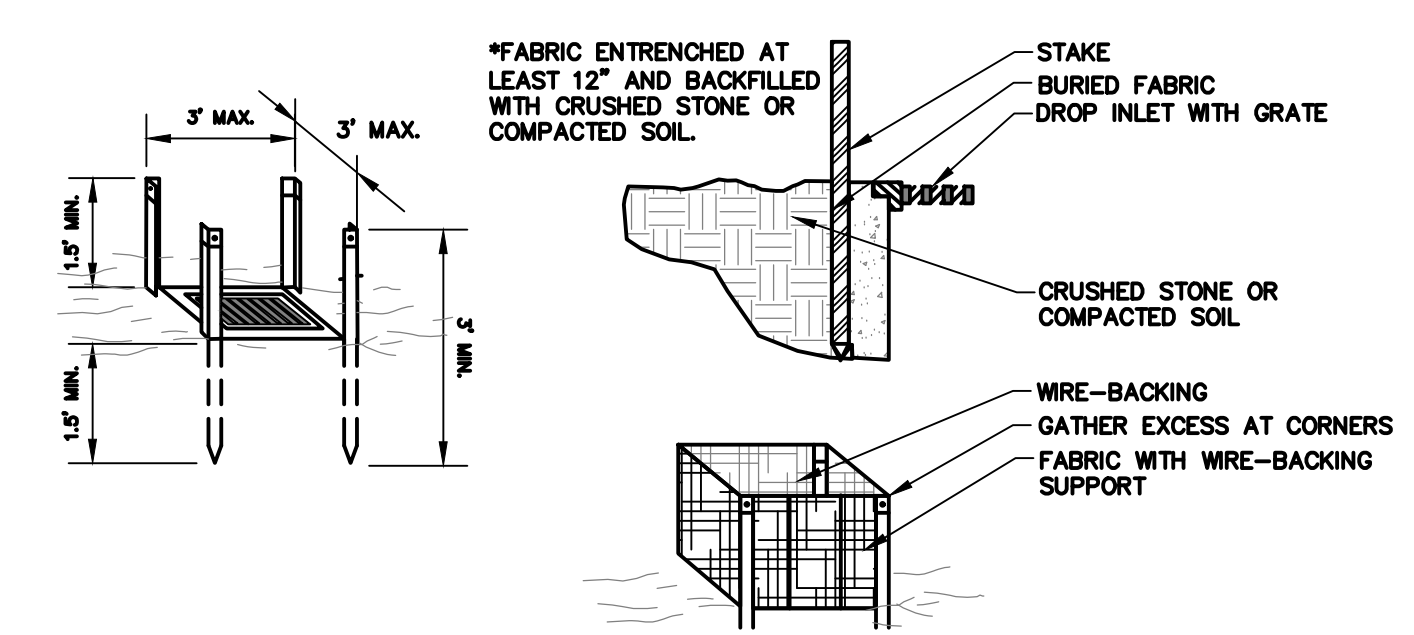
DETAIL - TEMPORARY CONSTRUCTION EXIT
N.T.S.



DI DETAIL - CHANNEL CROSS SECTION
N.T.S.

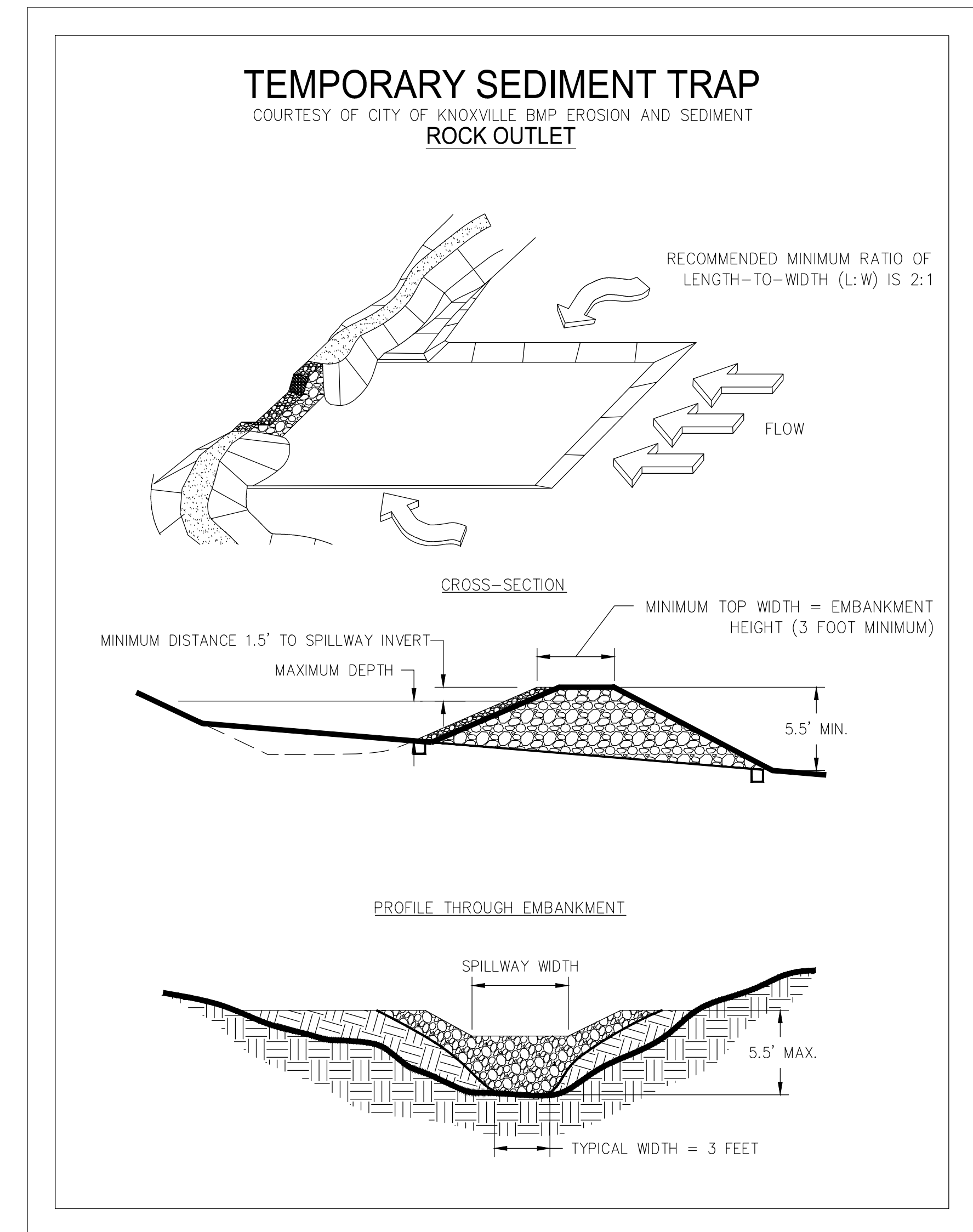
FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

STEEL FRAME AND TYPE-S SILT FENCE INSTALLATION



- NOTES**
1. DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
 2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
 3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
 4. THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.

Sd2-F DETAIL - TEMPORARY SEDIMENT TRAP
N.T.S.

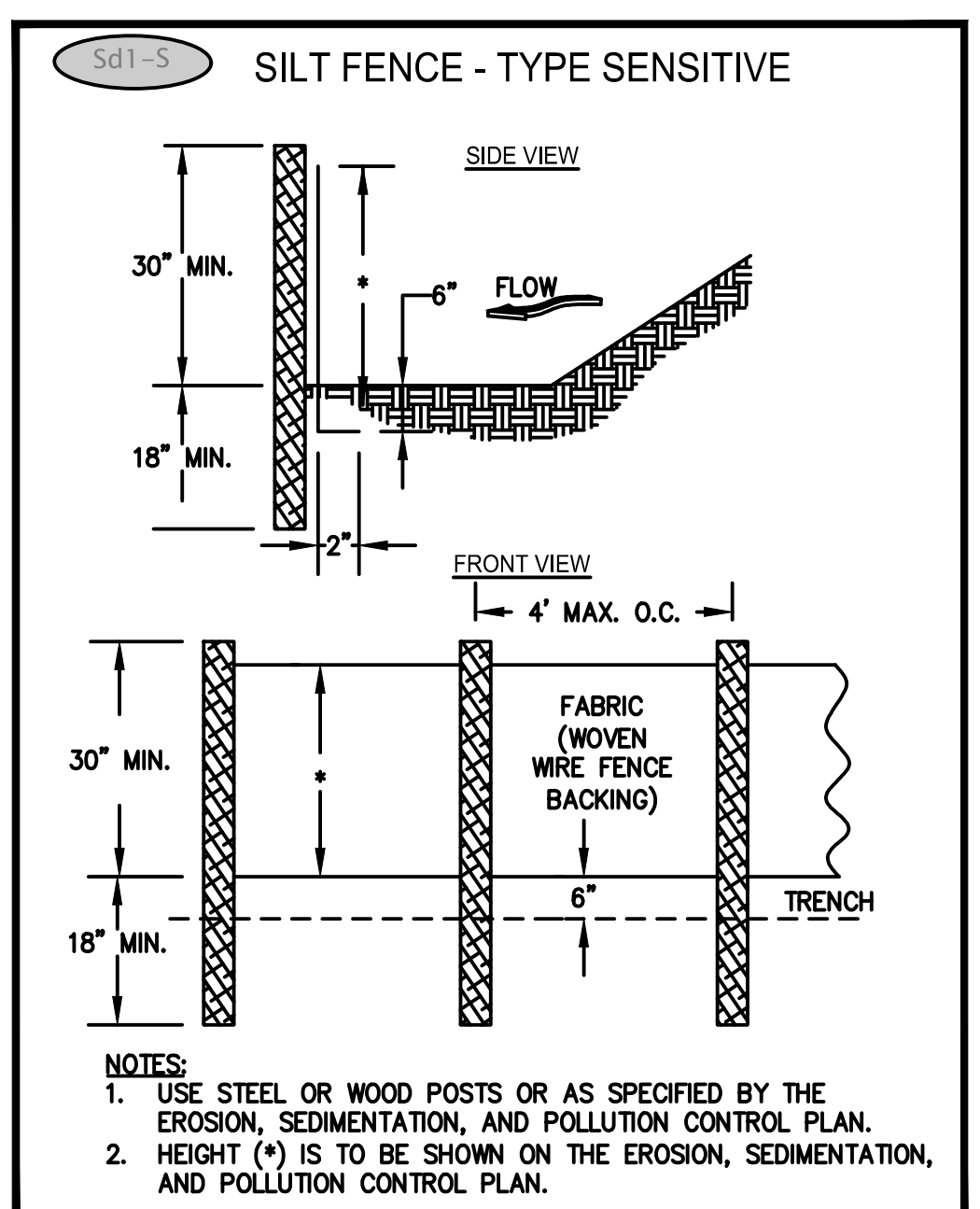


STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction exit to provide a place for removing mud from tires thereby protecting public streets.
Fr	FILTER RING			A temporary stone barrier constructed at storm drain inlets and pond outlets.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It shall be a sediment fence.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature is a temporary sediment basin in the back of a pipe or riser.
DI	DIVERSION			An earth channel or dike located above, below, or across a slope to divert runoff. This may be a temporary or permanent structure.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Du	DUST CONTROL ON DISTURBED AREAS			Contracting surface and/or movement of dust on construction site, roadways and similar sites.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			Establishing temporary protection for disturbed areas where seedings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)			Establishing a temporary vegetative cover with fast growing seed on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.



- NOTES**
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

GSWCC Georgia Soil and Water Conservation Commission

James D Wallace
Level II Certified Design Professional

CERTIFICATION NUMBER 02/04/2019
0000003053
EXPIRES 02/04/2022

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www.hgor.com
p. 404-248-1960
f. 404-248-1092

CONSULTANT LOGO:

TRIPLE POINT
ENGINEERING

CONSULTANT INFORMATION:

PROJECT TITLE:

ROSA PARKS SQUARE RENOVATION PROJECT
POPLAR STREET
MACON, GEORGIA
MACON-BIBB COUNTY
MACON, GEORGIA

PROJECT NO: 21026
PRINCIPAL IN CHARGE: TF
PROJECT ARCHITECT: MW
DRAWN BY: MW

ISSUE AND DATE: November 11th, 2021
CONSTRUCTION DOCUMENTS

REVISIONS:
NO. DATE DESCRIPTION

SEAL:
GEORGIA REGISTERED PROFESSIONAL ENGINEER
JAMES DANIEL WALLACE
11/10/2021

SHEET TITLE: ES&PC DETAILS
SHEET NO: C-6.3

RELEASED FOR CONSTRUCTION

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Erosion, Sedimentation, & Pollution Control Notes & Comprehensive Monitoring Plan PAGE 1 OF 8

STORMWATER DISCHARGE FROM THIS SITE IS PERMITTED AND GOVERNED BY NPDES GENERAL PERMIT NO. GAR 100001. THE SAMPLING, RECORD KEEPING, AND INSPECTION REQUIREMENTS OF THE PERMIT ARE THE RESPONSIBILITY OF THE PRIMARY PERMITTEE. AND ARE HEREBY INCORPORATED INTO THIS PLAN. IT IS THE RESPONSIBILITY OF THE PRIMARY PERMITTEE TO CONTACT THE ENGINEER AT 478-476-0700 TO NOTIFY HIM OF THE START OF LAND DISTURBING ACTIVITIES. THE PRIMARY PERMITTEE IS RESPONSIBLE FOR SUBMITTING A NOTICE OF INTENT AT LEAST 14 DAYS PRIOR TO CONSTRUCTION AND A NOTICE OF TERMINATION ONCE FINAL STABILIZATION HAS BEEN ACHIEVED.

- These notes are taken from the Erosion, Sedimentation, and Pollution Control Plan Checklist for stand alone construction projects as published by the Commission on January 1, 2021.
- The Level I certification number and seal of the certified Design Professional can be found on each sheet pertaining to the ES&PC plan (see all sheets).
- The limits of disturbance does not exceed 50 acres within the project area.
- The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution shall be a designee of the site contractor.
TBD at time of contract letting.
Name:
Phone:
E-Mail:
- Primary Permittee information:
TBD at time of contract letting.
Company:
Address:
Phone:
E-Mail:
- Total acreage of project site: ±1.04 Acres
Disturbed acreage of project area: ±1.04 Acres
- The GPS location of the construction exit for the site is Latitude 32.83651° N, Longitude 83.631455° W.
- The initial and/or revision date of this plan is depicted on the title block of each plan sheet. A notation shall be made on the plan of any revisions to the plan, the date of revision, and the entity that requested the revisions.
- The existing condition of the site is a grassed lot with existing sidewalks. The project site is located within the city of Macon in Bibb County. The project consists of a site plan, grading & drainage plan, utility plan, and erosion control plan for a renovation of Rosa Parks Square.
- A vicinity map showing site's relation to surrounding areas is depicted on this sheet of this plan.
- Stormwater from this site will be discharged into existing City of Macon storm sewer system. Storm water from the city's system flows to the Ocmulgee River. There are no sensitive areas related to this site.

PAGE 2 OF 8

12. I certify under penalty of law that this plan was prepared after a site visit to the locations described herein by myself or my authorized agent under my direct supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violators.

[Signature] 11/5/2021
Design Professional Date

13. I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the Georgia Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for the sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR 100001.

[Signature] 11/5/2021
Design Professional Date

14. The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins in accordance with Part IV.A.5 within 7 days after installation.

15. Non-exempt activities shall not be conducted within the 25- or 50-foot undisturbed stream buffers as measured from the point of westered vegetation within 25 feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits.

16. There are no state waters on or within 200 ft. of the project site. Therefore, there are no buffer encroachments associated with the work on this plan.

17. Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional. These items include, but are not limited to, diversions (D), temporary downstream structures (Dn1), permanent downstream structures (Dn2), level spreaders (LS), rock filter dams (RD), retaining walls (R), inlet sediment traps (SG), temporary sediment basins (SB), temporary sediment traps (S4), floating surface skimmers (SS), seep basins (Sp), temporary stream crossings (ST), storm drain outlet protection (SO), turbidity curtains (TC), and vegetated waterways or stormwater conveyance channels (WC).

18. Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit. No section 404 permit has been obtained for this development.

19. The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities.

20. Erosion control measures shall be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source.

21. Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding.

22. This construction activity does not discharge storm water into, or within one linear mile of a Botsa Impaired Stream Segment.

23. This construction activity does not discharge storm water into, or within one linear mile of a Botsa Impaired Stream Segment.

24. Wash water from concrete truck hoppers, chutes and tools used for concrete construction shall be contained in a temporary truck wash area located at the site entrances (see sheets C6.0 & C6.1). Washout shall be contained within a pit or trench with no material leaving the site or impacting vegetated or non-disturbed areas. Disposal of material shall include the breaking of material into small amounts for trash disposal or removal from the site to an appropriate landfill. Washout of the concrete truck drum is prohibited at the site.

Paint and/or other chemicals shall be stored in secured facilities with restricted access to employees only. Cleanup and disposal of this material shall be in accordance with all recognized local and federal requirements. All disposal shall be in approved off site waste facilities classified to accept that material.

PAGE 3 OF 8

25. BMP's for Remediation of Petroleum Leaks & Spills
The location for petroleum storage (if any) is shown on sheets C6.0 & C6.1.

- Local, State and manufacturer's recommended methods for spill cleanup shall be clearly posted and procedures shall be made available to site personnel.
- Material and equipment necessary for spill cleanup shall be kept in the material storage areas. Typical materials and equipment includes, but is not limited to, brooms, outpans, mops, rags, gloves, goggles, cat litter, sand, sawdust and properly labeled plastic and metal waste containers.
- Spill prevention practices and procedures shall be reviewed after a spill and adjusted as necessary to prevent future spills.
- All spills shall be cleaned up immediately upon discovery. All spills shall be reported as required by local, State, and Federal regulations.
- For spills that impact surface water (leave a sheen on surface water), the EPA's National Response Center (NRC) shall be contacted within 24 hours at 1-800-424-8802.
- For spills of an unknown amount, the EPA's National Response Center (NRC) shall be contacted within 24 hours at 1-800-424-8802.
- For spills greater than 25 gallons and no surface water impacts occur, the Georgia E.P.D. shall be contacted within 24 hours at 1-800-241-4413.
- For spills less than 25 gallons and no surface water impacts occur, the spill shall be cleaned up and local agencies shall be contacted as required.

The contractor shall notify the licensed professional who prepared this Plan if more than 1320 gallons of petroleum is stored onsite (this includes capacities of equipment) or if any one piece of equipment has a capacity greater than 660 gallons. The contractor will need a Spill Prevention Containment and Countermeasures (SPCC) Plan prepared by that licensed professional.

All petroleum products shall be stored and used in an area that provides a secondary containment feature, and shall be located in an area with the least foreseeable impact if a catastrophic event should occur. Emergency contact numbers and procedures for spills shall be available on-site. All petroleum spills and leaks shall be remediated immediately. The flow must be stopped, contained, and affected soils removed. In the event of a spill or leak, contact First Environmental Nationwide toll free at (888) 720-1330.

26. Permanent grassing shall be installed to control pollutants after construction has ceased.

27. Stored building materials shall be covered with a tarp on site at the material staging area selected by the contractor.

28. Product Specific Practices
Petroleum Based Products- Containers for products such as fuels, lubricants, and tars shall be inspected daily for leaks and spills. This shall include onsite vehicles and machinery. Equipment maintenance areas shall be located away from State Waters, natural drains, and storm water drainage inlets. In addition, temporary fueling tanks shall have a secondary containment liner to prevent/minimize site contamination. Discharge of oils, fuels, and lubricants to soil and water is prohibited.

Paints/Finishes/Solvents- All products shall be stored in tightly sealed original containers when not in use. Excess product shall not be discharged to the storm water collection system. Excess product, materials used with these products, and product containers shall be disposed of according to manufacturers specifications and recommendations. Refer to paragraph 25 for activities related to spills and leaks.

Concrete Truck Washing- NO concrete trucks shall be allowed to wash out or discharge surplus concrete or drum wash water onsite. If present, contractors can utilize the Concrete Truck Washdown to clean chutes, hoppers, wheelbarrows, and hand tools on site.

Fertilizer/Herbicides- These products shall be applied at rates that do not exceed the manufacturers specifications or above the guidelines set forth in the crop establishment or in the GSWCC Manual for Erosion and sediment control in Georgia. Any storage of these materials shall be under roof in sealed containers.

Building Materials- No building or construction materials shall be buried or disposed of onsite. All such material shall be disposed of in proper waste disposal procedures.

29. A description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMP's, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization) is depicted on Sheet C6.2 of this plan.

PAGE 4 OF 8

30. Inspections & Record Keeping:
a. Permittee requirements:
(1) Each day when any type of construction activity has taken place at a primary permittee's site, certified personnel provided by the primary permittee shall inspect: (a) all areas of the primary permittee's site where petroleum products are stored, used, or handled for spills and leaks from vehicles and equipment; (b) all locations at the primary permittee's site where vehicles enter or exit the site for evidence of off-site sediment tracking; and (c) measure rainfall once each twenty four hour period at the site. These inspections must be conducted until a Notice of Termination is submitted.
(2) Measure and record rainfall within disturbed areas of the site that have not met final stabilization once every 24 hours except any non-working Saturday, non-working Sunday and non-working Federal holiday. The data collected for the purpose of compliance with this permit shall be representative of the monitored activity. Measurement of rainfall may be suspended if all areas of the site have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region.
(3) Certified personnel (provided by the primary permittee) shall inspect the following at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches or greater (unless such storms end after 5:00 PM on any Friday or on any non-working Sunday, or any non-working Federal holiday, in which case the inspection shall be completed by the end of the next business day and/or working day, whichever comes first): (a) disturbed areas of the primary permittee's construction site that have not undergone final stabilization; (b) areas used by the primary permittee for storage of materials that are exposed to precipitation that have not undergone final stabilization; and (c) structural control measures. Erosion and sediment control measures identified in the Plan applicable to the primary permittee's site shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s). For areas of a site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region, the permittee must comply with Part IV.D.4.a.(4) of Permit GAR 100001. These inspections must be conducted until a Notice of Termination is submitted.
(4) Certified personnel (provided by the primary permittee) shall inspect at least once per month during the term of this permit (i.e., until a Notice of Termination is received by EPD) the areas of the site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region. These areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system and the receiving water(s). Erosion and sediment control measures identified in the Plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s).

(5) Based on the results of each inspection, the site description and the pollution prevention and control measures identified in the Erosion, Sedimentation and Pollution Control Plan, the Plan shall be revised as appropriate not later than seven (7) calendar days following each inspection. Implementation of such changes shall be made as soon as practical but in no case later than seven (7) calendar days following each inspection.

(6) A report of each inspection that includes the name(s) of personnel making each inspection, the date(s) of each inspection, major observations relating to the implementation of the Erosion, Sedimentation and Pollution Control Plan and actions taken in accordance with Part IV.D.4.a.(5) of GAR 100001 shall be made and retained at the site or be readily available at a designated alternate location until the entire site or that portion of a construction site that has been phased has undergone final stabilization and a Notice of Termination is submitted to EPD. Such reports shall be readily available by end of the second business day and/or working day and shall identify all incidents of best management practices that have not been properly installed and/or maintained as described in the Plan. Where the report does not identify any incidents, the inspection report shall contain a certification that the best management practices are in compliance with the Erosion, Sedimentation and Pollution Control Plan and this permit. The report shall be signed in accordance with Part V.G.2 of GAR 100001.

31. Sampling Frequency and Reporting of Results:
(1) The Primary Permittee must sample at least once for each rainfall event described below. For a qualifying event, permittee shall sample at the beginning of any storm water discharge to a monitored receiving water and/or from a monitored outfall location within forty-five (45) minutes or as soon as possible.
(2) However, where manual and automatic sampling are impossible (as defined in this permit), or are beyond the permittee's control, the permittee shall take samples as soon as possible, but in no case more than twelve (12) hours after the beginning of the storm water discharge.

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(3) Sampling by the permittee shall occur for the following qualifying events:

a. For each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.50 inch with a storm water discharge that occurs during business hours as defined in this permit after all clearing and grubbing operations have been completed, but prior to completion of mass grading operations, in the drainage area of the location selected as the sampling location;

b. In addition to (a) above, for each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a storm water discharge that occurs during normal business hours as defined in this permit after 90 days after the first sampling event or after all mass grading operations have been completed, but prior to submittal of a NOT, in the drainage area of the location selected as the sampling location, whichever comes first.

c. At the time of sampling performed pursuant to (a) and (b) above, if BMPs in the area of the site that discharges to a receiving water or from an outfall are not properly designed, installed and maintained, corrective action shall be defined and implemented within two (2) business days, and turbidity samples shall be taken from discharges from that area of the site for each subsequent rain event that reaches or exceeds 0.5 inch during normal business hours until the selected turbidity standard is attained, or until post-storm event inspections determine that BMPs are properly designed, installed and maintained.

d. Where sampling pursuant to (a), (b) or (c) above is required but not possible (or not required because there was no discharge), the permittee, in accordance with Part IV.D.4.a.(6), must include a written justification in the inspection report of why sampling was not required. Providing this justification does not relieve the permittee of any subsequent sampling obligations under (a), (b) or (c) above; and

e. Existing construction activities, i.e., those that are occurring on or before the effective date of this permit, that have met the sampling required by (a) above shall sample in accordance with (b). Those existing construction activities that have met the sampling required by (b) above shall not be required to conduct additional sampling other than as required by (c) above.

*Note that the Permittee may choose to meet the requirements of (a) and (b) above by collecting turbidity samples from any rain event that reaches or exceeds 0.5 inch and allow for monitoring at any time of the day or week.

Sampling shall be collected by "grab samples" performed in accordance with the guidance document titled "NPDES Storm Water Sampling Guidance Document, EPA 833-B-92-001."

(1) Sample container should be labeled prior to collecting the samples.

(2) Samples should be well mixed before transferring to a secondary container.

(3) Large mouth, well cleaned and rinsed glass or plastic jars should be used for collecting samples. The jars should be cleaned thoroughly to avoid contamination.

(4) Manual, automatic or rising stage sampling may be utilized. Samples required by this permit should be analyzed immediately, but in no case later than 48 hours after collection. However, samples from automatic samplers must be collected no later than the next business day after their accumulation, unless flow through automated analysis is utilized. If automatic sampling is utilized and the automatic sampler is not activated during the qualifying event, the permittee must utilize manual sampling or rising stage sampling during the next qualifying event. Dilution of samples is not required. Samples may be analyzed directly with a properly calibrated turbidimeter. Samples are not required to be cooled.

(5) Sampling and analysis of the receiving water(s) or outfalls beyond the minimum frequency stated in this permit must be reported to EPD as specified in Part IV.E.

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Reporting of Sampling Results:

1. The applicable permittees are required to submit the sampling results to the EPD at the address shown in Part II.C. by the fifteenth day of the month following the reporting period. Reporting periods are months during which samples are taken in accordance with this permit. Sampling results shall be in a clearly legible format. Upon written notification, EPD may require the applicable permittee to submit the sampling results on a more frequent basis. Sampling and analysis of any stormwater discharge(s) or the receiving water(s) beyond the minimum frequency stated in this permit must be submitted in a similar manner to the EPD. The sampling reports must be signed in accordance with Part V.G.2. Sampling reports must be submitted to EPD using the electronic submittal service provided by EPD. Sampling reports must be submitted to EPD until such time as a NOT is submitted in accordance with Part VI.

2. All sampling reports shall include the following information:
a. The rainfall amount, date, exact place and time of sampling or measurements;
b. The name(s) of the certified personnel who performed the sampling and measurements;
c. The date(s) analyses were performed;
d. The time(s) analyses were initiated;
e. The name(s) of the certified personnel who performed the analyses;
f. References and written procedures, when available, for the analytical techniques or methods used;
g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results;
h. Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU"; and
i. Certification statement that sampling was conducted as per the Plan.

3. All written correspondence required by this permit shall be submitted by return receipt certified mail (or similar service) to the appropriate District Office of the EPD according to the schedule in Appendix A of this permit. The permittee shall retain a copy of the report of submittal at the construction site or the proof of submittal shall be readily available at a designated location from commencement of construction until such time as a NOT is submitted in accordance with Part VI.

32. Retention of Records
1. The primary permittee shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted in accordance with Part VI:
a. A copy of all Notices of Intent submitted to EPD;
b. A copy of the Erosion, Sedimentation and Pollution Control Plan required by this permit;
c. The design professional's report of the results of the inspection conducted in accordance with Part IV.A.5. of this permit;
d. A copy of all sampling information, results, and reports required by this permit;
e. A copy of all inspection reports generated in accordance with Part IV.D.4.a. of this permit;
f. A copy of all violation summaries and violation summary reports generated in accordance with Part III.D.2. of this permit; and
g. Daily rainfall information collected in accordance with Part IV.D.4.a.(2), of this permit.

2. Copies of all Notices of Intent, Notices of Termination, inspection reports, sampling reports (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) or other reports requested by the EPD, Erosion, Sedimentation and Pollution Control Plans, records of all data used to complete the Notice of Intent to be covered by this permit and all other records required by this permit shall be retained by the permittee who either produced or used it for a period of at least three years from the date that the NOT is submitted in accordance with Part VI. of this permit. These records must be maintained at the permittee's primary place of business or at a designated alternate location once the construction activity has ceased at the permitted site. This period may be extended by request of the EPD at any time upon written notification to the permittee.

33. Storm water samples shall be retrieved from the sampling point indicated on Sheet C6.0-C6.1 of this plan. Samples taken for the purpose of compliance with this permit shall be representative of the monitored activity and representative of the water quality of the receiving water(s) and/or the storm water outfalls using the following minimum guidelines:
a. The upstream sample for each receiving water(s) must be taken immediately upstream of each outfall shall not exceed 75 NTUs. The turbidity was selected for a disturbed acreage of 1.04 acres and a drainage basin +49 square miles in a warm water fishery.

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b. The downstream sample for each receiving water(s) must be taken downstream of the confluence of the last storm water discharge from the permitted activity (i.e., the discharge farthest downstream at the site) but downstream of any other storm water discharge not associated with the permitted activity. Where appropriate, several downstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the downstream turbidity value.

c. Ideally the samples should be taken from the horizontal and vertical center of the receiving water(s) or the storm water outfall channel(s).

d. Care should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall storm water channel.

e. The sampling container should be held so that the opening faces upstream.

f. The samples should be kept free from floating debris.

g. Sheet flow that flows onto undisturbed natural areas or areas stabilized by the project is not required to be sampled. For purposes of this section, stabilized shall mean, for covered areas and areas not covered by permanent structures, at least 70% of the soil surface is uniformly covered in permanent vegetation or equivalent permanent stabilization measures (such as the use of rip rap, gabions, permanent mulches or geotextiles) have been employed. Permanent vegetation shall consist of: planted trees, shrubs, perennial vines, a crop of perennial vegetation appropriate for the Final Stabilization applied to each phase of construction.

h. All sampling pursuant to this permit must be done in a way (including generally accepted sampling methods, locations, timing and frequency) so as accurately reflect whether storm water runoff from the construction site is in compliance with the standard set forth in Parts III.D.3. or III.D.4., whichever is applicable.

34. In accordance with Appendix B, the maximum NTUs from each outfall shall not exceed 75 NTUs. The turbidity was selected for a disturbed acreage of 1.04 acres and a drainage basin +49 square miles in a warm water fishery.

35. The sampling locations are depicted on Sheets C6.0-C6.1 of this plan.

36. This plan is phased into an initial sediment storage and perimeter control BMP plan, and intermediate grading and drainage BMP plan, and a final BMP plan as follows:
Initial Phase: See Sheet C6.0 - Perimeter controls, construction exit, and sediment traps.
Intermediate Phase: See C6.1 - Temporary grassing, slope stabilization, construction exit, and sediment traps.
Final Phase: See Sheet C6.2 - Final stabilization/permanent grassing.

37. A graphic scale and north arrow are depicted on Sheets C6.0-C6.2.

38. Existing and proposed contour lines are depicted on Sheets C6.0-C6.2. Contour lines are drawn at an interval of 1'. The existing contour lines are based on topographic survey.

39. No alternate BMP's are proposed in this plan.

40. No alternate BMP's are proposed in this plan.

41. No state waters lie within 200' of the proposed project area.

42. No state waters or wetlands exist on the project site or within 200' of the project site.

43. Delineation of the contributing drainage basin is shown in the hydrology report submitted separately.

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44. A hydrology study and maps of drainage basins for both pre- and post-developed conditions will be shown in a hydrology report submitted separately.

45. The pre-construction curve number is estimated to be 70. The post-construction curve number is estimated to be 80.

46. Storm from this site will be discharged into existing city of Macon storm sewer system. Storm water from the city's system flows to the Ocmulgee River.

47. Soil series and their delineation are depicted on Sheet C6.0 of this plan.

48. The limits of disturbance is shown within the shaded area outlined by a dashed heavy gray line and labeled "limits of construction, limits of disturbance," as shown on C6.0-C6.1.

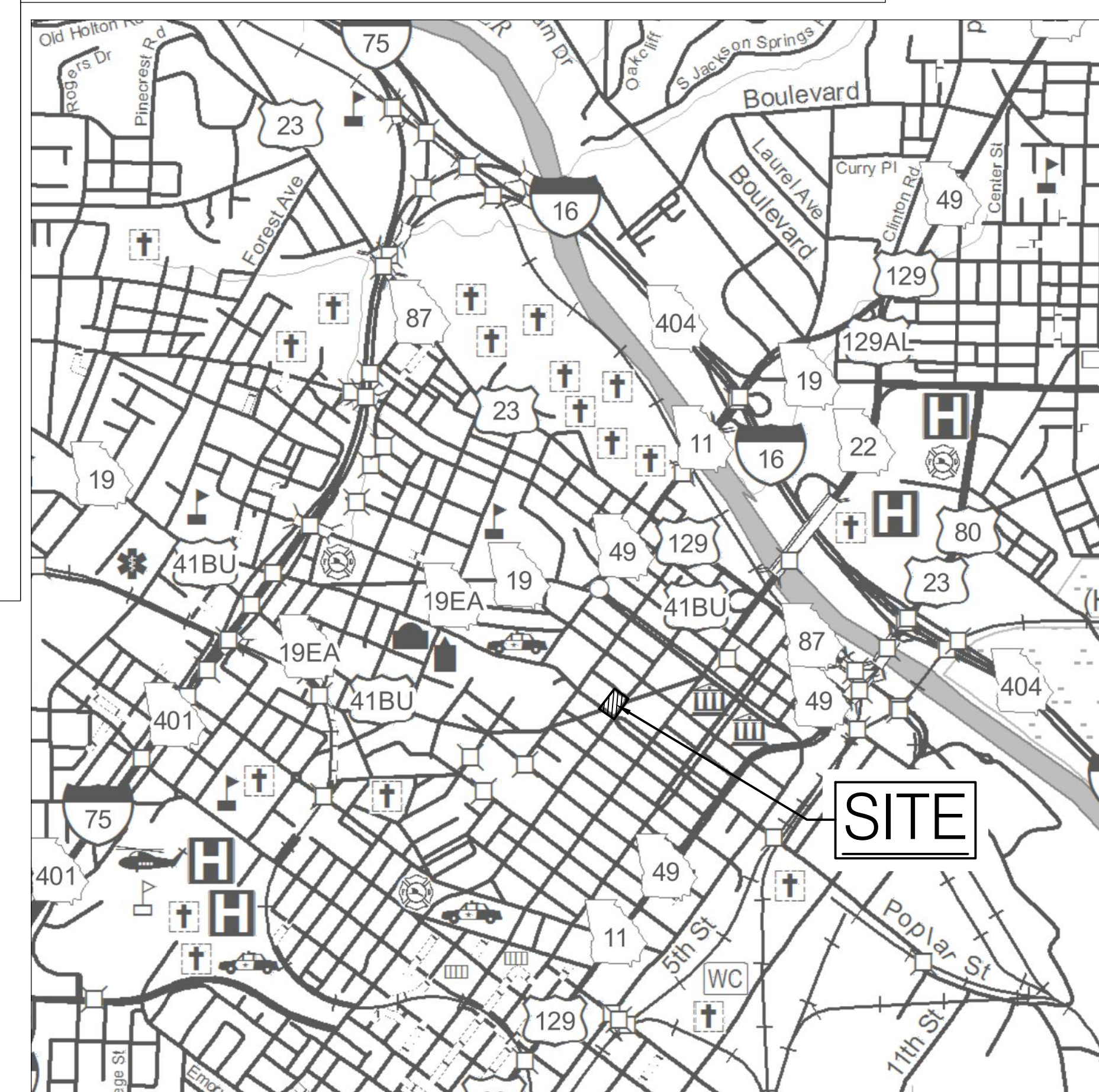
49. 67 cubic yards of sediment storage per disturbed acre drained will be stored in excavated inlet sediment traps & sediment traps. Sediment storage volume must be in place prior to and during all land disturbing activities until final stabilization has been achieved. Sediment storage capacities are shown on Sheet C6.0-C6.1.

50. Best management practices depicted on Sheets C6.0-C6.2 of this plan are consistent with the requirements of the Manual for Erosion and Sediment Control in Georgia. The legend for the BMP's can be found on C6.0-C6.2 of this plan.

51. Detailed drawings for all structural practices are depicted on C6.3 of this plan. The installation of these practices must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.

52. A vegetative plan, noting temporary and permanent vegetative practices, is depicted on Sheet C6.3 of this plan.

53. Delineation of the contributing drainage basin is shown on the hydrology report submitted separately.



VICINITY MAP

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

James D Wallace
Level II Certified Design Professional

CERTIFICATION NUMBER: 02/04/2019 EXPIRES: 02/04/2022



3525 Piedmont RD NE
Building 8, Suite 320
Atlanta, Georgia 30306
www.hgor.com
p. 404-248-1960
f. 404-248-1092

CONSULTANT LOGO:



CONSULTANT INFORMATION:

PROJECT TITLE:

ROSA PARKS SQUARE RENOVATION PROJECT
POPLAR STREET
MACON, GEORGIA
MACON-BIBB COUNTY
MACON, GEORGIA

PROJECT NO:
21026

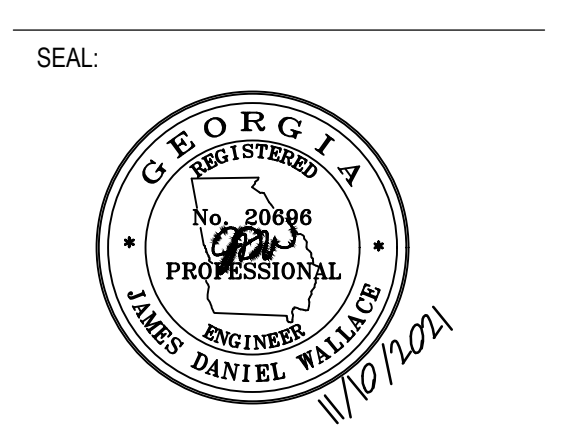
PRINCIPAL IN CHARGE: TF
PROJECT ARCHITECT: MW
DRAWN BY: MW

ISSUE AND DATE:
November 11th, 2021

CONSTRUCTION DOCUMENTS

REVISIONS:

NO.	DATE	DESCRIPTION



SHEET TITLE: NPDES

SHEET NO.:
C-6.4

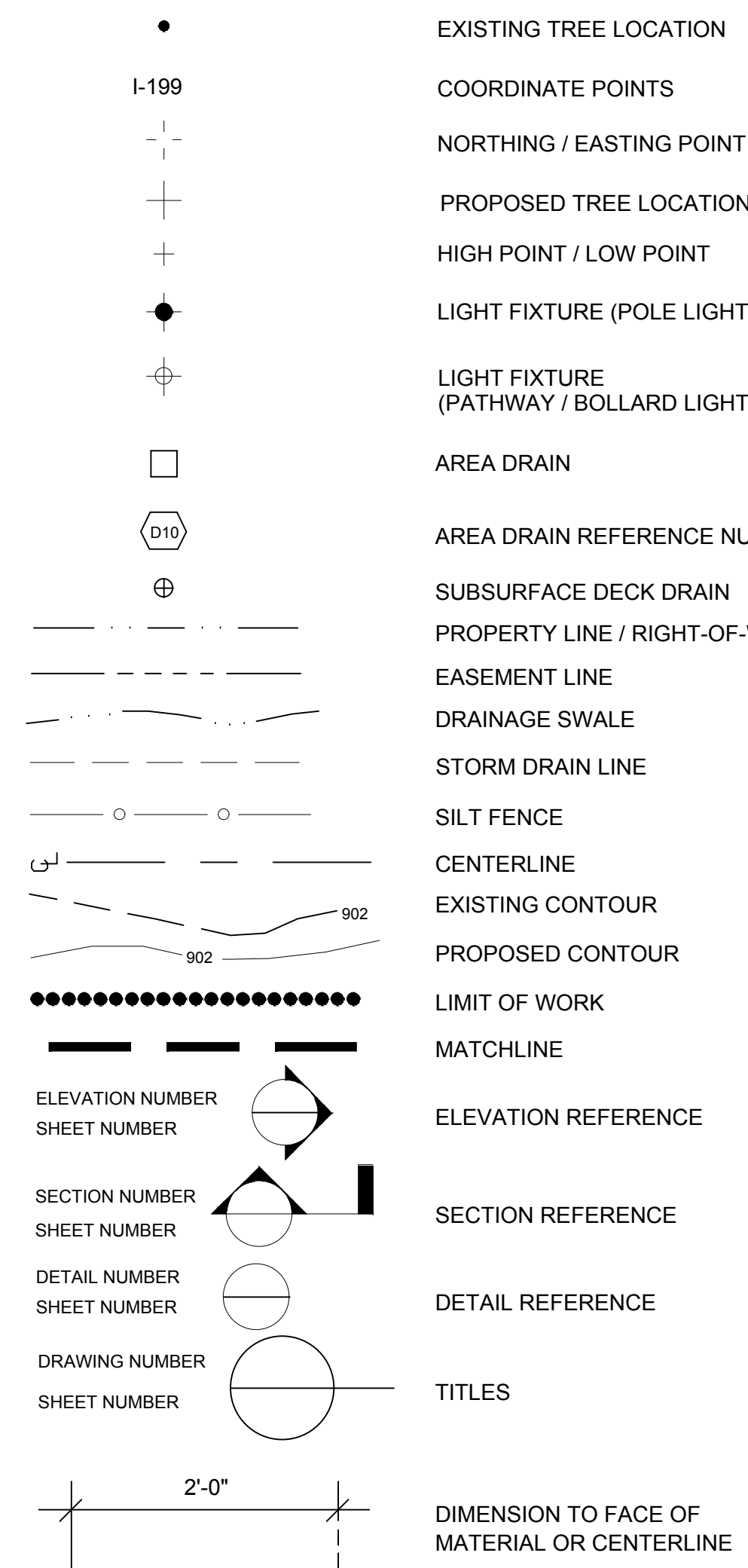
RELEASED FOR CONSTRUCTION

Last modified on 11/10/21 by NATE SHETLER
File located in P:\HGO_005... \Rosa Parks Square Drawings\ 6.0_ES&PC.dwg

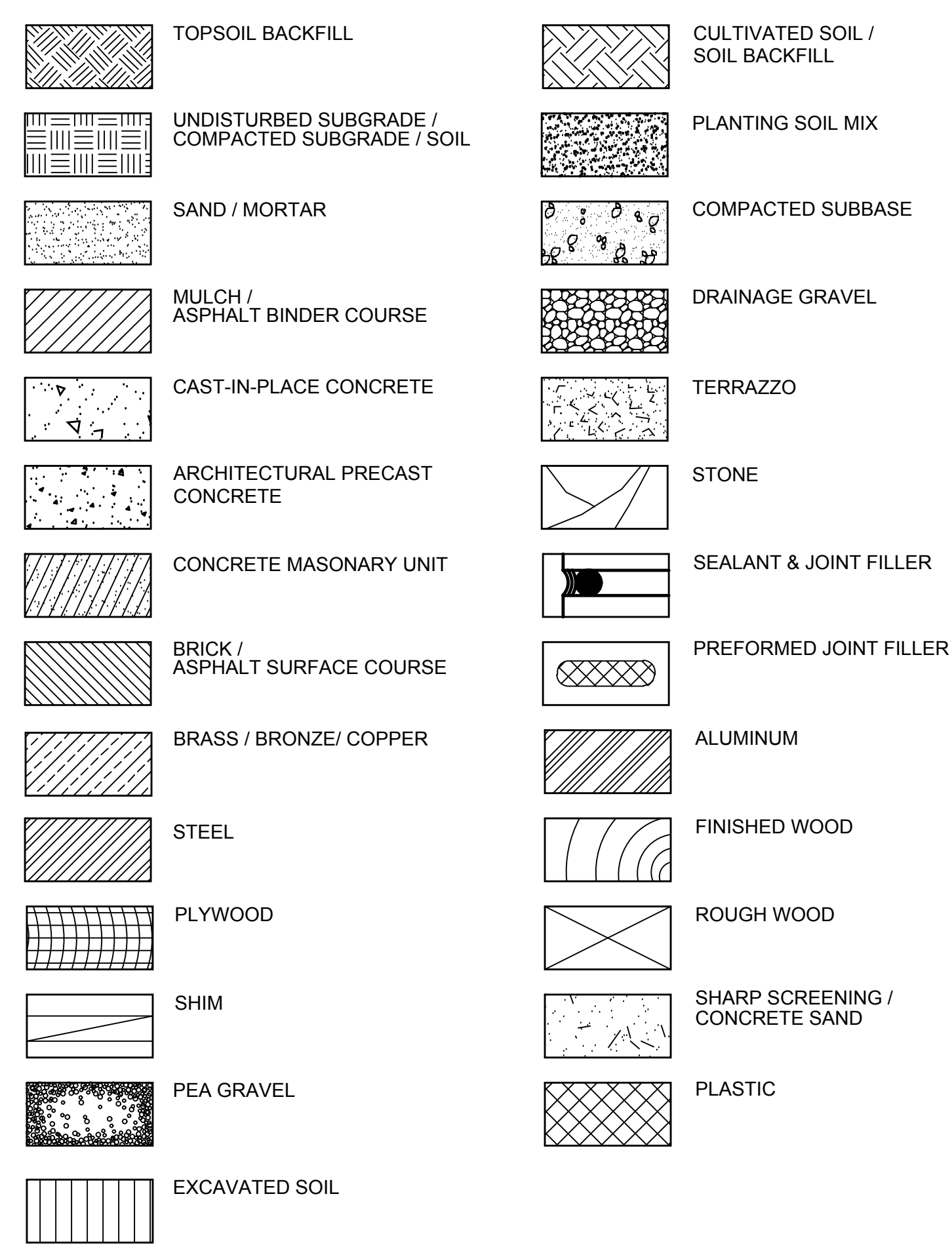
ABBREVIATIONS:

&	AND	INV	PIPE INVERT ELEVATION
@	AT	L	ANGLE SHAPE
AC	ACRE	LAM	LAMINATE(D)
ADJ	ADJACENT	LB	POUND
ALT	ALTERNATE	LS	LANDSCAPE
APPROX	APPROXIMATE	LONG	LONGITUDINAL
ARCH	ARCHITECT(URAL)	LP	LOW POINT
BLDG	BUILDING	MATL	MATERIAL
BOC	BOTTOM OF CURB	MAX	MAXIMUM
BOL	BOLLARD	MECH	MECHANICAL
BOT	BOTTOM	MEMB	MEMBRANE
BRG	BRICK	MH	MANHOLE
BRK	BRICK	MIN	MINIMUM (MINUTE)
BTWN	BETWEEN	MISC	MISCELLANEOUS
BW	BOTTOM OF WALL	MOD	MODIFIED
CB	CATCH BASIN	MP	MID POINT
CC	CENTER TO CENTER	N	NORTH
CJ	CONTROL JOINT	NIC	NOT IN CONTRACT
CL	CENTER LINE	NO	NUMBER
CMU	CONCRETE MASONRY UNIT	NOM	NOMINAL
COL	COLUMN	NTS	NOT TO SCALE
CONC	CONCRETE	OC	ON CENTER
CONST	CONSTRUCT(ION)	OD	OUTSIDE DIAMETER
CONT	CONTINUE(OUS)	OPP HD	OPPOSITE HAND
COORD	COORDINATE(D)	OPNG	OPENING
CTR	CENTER	OPP	OPPOSITE
CU	CUBIC	PART	PARTIAL
DI	DRAIN INLET	PD	PLAZA DRAIN
DIA	DIAMETER	PERF	PERFORATE(D)
DIV	DIVISION	PERIM	PERIMETER
DRN	DRAIN	PKG	PARKING
DRWG	DRAWING	P/L	PROPERTY LINE
E	EAST	PLUMB	PLUMBING
EA	EACH	PLYWD	PLYWOOD
EJ	EXPANSION JOINT	PR	PAIR
EL	SPOT ELEVATION	PREFAB	PREFABRICATE(D)
ELEC	ELECTRIC(AL)	PRELIM	PRELIMINARY
EOS	EDGE OF SLAB	PSF	POUNDS PER SQUARE FOOT
EOP	EDGE OF PAVEMENT	PSI	POUNDS PER SQUARE INCH
EQ	EQUAL	PT	PRESSURE TREATED
EXC	EXCAVATION	PVG	PAVING
EXCL	EXCLUDE(ED,ING)	PVMT	PAVEMENT
EXIST	EXISTING	QTY	QUANTITY
EXP	EXPOSED	R	RISER
EXPN	EXPANDED(ED,ING,SION)	REF	REFER TO (REFERENCE)
EXT	EXTERIOR	REINF	REINFORCE(D,ING)
FD	FLOOR DRAIN	REQD	REQUIRED
FDTN	FOUNDATION	RH	RIGHT HAND
FF	FINISH FLOOR	RND	ROUND
FIN	FINISH	RP	RADIUS POINT
FIXT	FIXTURE	S	SOUTH
FOUNT	FOUNTAIN	SAN	SANITARY
FT	FOOT(FEET)	SCHED	SCHEDULE
FTG	FOOTING	SEC	SECTION
FURN	FURNISH	SIM	SIMILAR
GAL	GALLON	SPEC	SPECIFICATION
GALV	GALVANIZE(D)	SQ	SQUARE
GC	GENERAL CONTRACTOR	STD	STANDARD
GEN	GENERAL	T	TREAD
GFR	GLASS FIBER REINFORCED CONCRETE	T & G	TONGUE & GROOVE
GRDRL	GUARDRAIL	TD	TRENCH DRAIN
GRD	GRADE	THK	THICK(NESS)
GRND	GROUND	THRU	THROUGH
HB	HOSE BIBB	TOPO	TOPOGRAPHIC MAP
HC	HANDICAPPED	TOC	TOP OF CURB
HNDRL	HANDRAIL	TOS	TOP OF SLAB
HORIZ	HORIZONTAL	TW	TOP OF WALL
HP	HIGH POINT	TYP	TYPICAL
HT	HEIGHT	VERT	VERTICAL
HYD	HYDRANT	W	WEST
ID	INSIDE DIAMETER (DIMENSION)	W/	WITH
IN	INCH(ES)	W/O	WITHOUT
INCL	INCLUDE(D,ING)	WP	WORK POINT
INFO	INFORMATION	WWF	WELDED WIRE FABRIC
INT	INTERIOR	YD	YARD(S)
IRR	IRRIGATION		

SYMBOLS:



MATERIALS LEGEND:




GENERAL LIGHTING NOTES:

- THIS DRAWING IS FOR LAYOUT OF FIXTURES ONLY.
- THE DRAWINGS INDICATE DESIGN INTENT ONLY. THEY DO NOT REFLECT AND/OR DEPICT ELECTRICAL DESIGN. THEY ARE NOT INTENDED TO SHOW THE EXACT LOCATION OF ELECTRICAL COMPONENTS, ETC. OR THE ROUTING OF CONDUIT.
- NOTIFY THE LANDSCAPE ARCHITECT IN WRITING OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN ON THE DRAWINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION ACTIVITIES RELATED TO THIS LIGHTING LAYOUT.
- THE CONTRACTOR IS RESPONSIBLE FOR ELECTRICAL WORK THAT COMPLIES WITH ALL STATE OF GEORGIA, MACON-BIBB COUNTY, OTHER LOCAL BUILDING CODES HAVING JURISDICTION, AND THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENCES AND PAY ALL FEES REQUIRED BY LOCAL AUTHORITIES. ARRANGE FOR ALL NECESSARY INSPECTIONS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION AND PROVIDE WRITTEN CERTIFICATES OF APPROVAL TO THE OWNER.
- ALL SYSTEMS, EQUIPMENT, COMPONENTS, WORK, ETC. SHALL BE COVERED BY A ONE (1) YEAR GUARANTEE BEGINNING AT THE DATE OF SUBSTANTIAL COMPLETION. THE GUARANTEE SHALL INCLUDE PROVIDING ALL NECESSARY CUTTING, PATCH WORK, REPAINTING, ETC. TO MAKE THE WORK COMPLETE AND NEW.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO EXISTING UTILITIES, STRUCTURES, PAVING, LANDSCAPE MATERIALS AND/OR WORK OF OTHER TRADES RESULTING FROM ELECTRICAL WORK.
- SOURCE OF POWER SHALL BE DETERMINED BY OWNER. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ELECTRICAL CONNECTION AND WIRING TO THE SOURCE WITH THE OWNER PRIOR TO CONSTRUCTION AND PRIOR TO ORDERING MATERIALS. ALL MATERIALS USED SHALL BE NEW AND SHALL BE STAMPED WITH THE LABEL OF UNDERWRITERS LABORATORIES, INC. (UL).
- REFER TO LIGHT FIXTURE SCHEDULE FOR FIXTURE TYPE INDICATION (LETTER) AND SYMBOL DESCRIPTION.
- CONTRACTORS SHALL PROVIDE AND INSTALL ALL FIXTURES, WIRING TO POWER SOURCE, ELECTRICAL CONNECTION, AND OTHER NECESSARY ELECTRICAL HARDWARE FOR A COMPLETE AND OPERABLE LIGHTING SYSTEM.
- PROVIDE AND INSTALL GROUND MOUNTED PULL BOXES EVERY 200 FEET IN HOMERUN CIRCUITS. LOCATIONS SHALL BE COORDINATED WITH OTHER SITE IMPROVEMENTS AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE LOOPED SLACK EQUAL TO THREE (3) FEET, IN WIRE RUNS TO LANDSCAPE LIGHTING FIXTURES TO ALLOW FOR ADJUSTMENTS ONCE PLANT MATERIAL IS INSTALLED.
- THE CONTRACTOR SHALL MAKE ADJUSTMENTS IN FIXTURE LAYOUT, AIM FIXTURES AND LOCK DOWN ANY ADJUSTING FASTENERS ON FIXTURES SUBJECT TO THE FINAL APPROVAL OF LAYOUT AND AIMING BY THE LANDSCAPE ARCHITECT.
- PROTECT ALL EQUIPMENT, COMPONENTS, ETC. DURING CONSTRUCTION FROM DIRT, CHEMICAL, AND MECHANICAL DAMAGE, ETC.. PROTECT ALL CONDUIT OPENINGS SO THAT NO FOREIGN MATERIAL WILL ENTER THE CONDUIT.

GENERAL LAYOUT NOTES:

- BASE TOPOGRAPHICAL AND EXISTING CONDITIONS TAKEN FROM DRAWING FURNISHED BY DONALDSON, GARRETT, & ASSOCIATES, INC. DATED: 8/18/2016
- DO NOT SCALE THESE DRAWINGS.
- UTILITY WORK IS NOT INDICATED ON THIS DRAWING. REFER TO CIVIL DRAWINGS FOR WORK RELATED TO UTILITIES.
- ALL CURVES TO BE TRUE RADI WITHOUT STRAIGHT SEGMENTS.
- ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
- DIMENSIONS ARE FROM BACK OF CURB, TO FACE OF WALL, TO OUTSIDE EDGE OF PAVEMENTS; FROM COLUMN CENTERLINES TO HARDSCAPE CENTERLINES, TO CENTERLINE OF PAVEMENTS, TO OUTSIDE EDGE OF PAVEMENTS, TO CENTERLINES OF STAIRS, FROM EDGE OF PAVEMENT TO FACE OF WALL.
- CHANGES IN LAYOUT MAY BE MADE AT THIS TIME TO ACCOMMODATE DESIGN INTENT OR FIELD CONDITIONS. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR FOR THIS WORK.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- NOTIFY THE OWNER OR LANDSCAPE ARCHITECT IN WRITING OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN ON THE DRAWINGS.
- ALL WALLS, COLUMNS, SIDEWALKS, PATHWAYS, FENCES, AND STAIRWAYS SHALL BE COMPLETELY LAID OUT AND STAKED WITH VISIBLE MARKERS. THE STAKES SHALL BE APPROVED IN THE FIELD BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT 48 HOURS PRIOR TO SITE VISIT.
- BENCH AND LITTER RECEPTACLE LAYOUT SHOWN IS APPROXIMATE. LAYOUT TO BE APPROVED IN THE FIELD BY LANDSCAPE ARCHITECT.

GENERAL GRADING NOTES:

- THE CONTRACTOR SHALL COMPLY WITH ALL EROSION CONTROL REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION TO MAINTAIN STABLE AND SAFE EXCAVATIONS.
- THE CONTRACTOR SHALL INSTALL TREE PROTECTION FENCE INDICATED ON THE DRAWINGS PRIOR TO COMMENCING GRADING WORK. LEAVE PROTECTION IN PLACE AND MAINTAIN UNTIL CONSTRUCTION WORK HAS BEEN COMPLETED AND ALL DANGER OF DAMAGE HAS PASSED OR AS OTHERWISE DIRECTED BY THE OWNER.
- GRADING AND CONSTRUCTION IN PROXIMITY OF EXISTING TREES INDICATED ON THE DRAWINGS TO REMAIN OR WITHIN TREE PROTECTION AREAS SHALL BE DONE WITH EXTREME CARE SO AS NOT TO DAMAGE THE ROOT SYSTEM OF TREES AND TO COMPACT SOIL IN THE AREA.
- NO GRADING AND CONSTRUCTION IS TO OCCUR WITHIN A 10 FOOT RADIUS FROM ANY TREE TRUNK.
- FINISH GRADING IN TREE PROTECTION AREA INDICATED ON THE DRAWINGS SHALL BE DONE UNDER DIRECT SUPERVISION OF THE LANDSCAPE ARCHITECT IN THE FIELD. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT 48 HOURS PRIOR TO THIS SITE VISIT.
- REFER TO DETAIL  FOR TREE PROTECTION.

NOTES & ABBREVIATIONS
SCALE: 1:10



3525 Piedmont RD NE
Building 8, Suite 320
Atlanta, Georgia 30306
www.hgor.com
p. 404-248-1960
f. 404-248-1092

CONSULTANT LOGO:

CONSULTANT INFORMATION:

PROJECT TITLE:

**ROSA PARKS SQUARE
RENOVATION PROJECT**
POPULAR STREET
MACON, GEORGIA
MACON-BIBB COUNTY
MACON, GEORGIA

PROJECT NO:
21026
PRINCIPAL IN CHARGE: TF
PROJECT MANAGER: MW
DRAWN BY: MW

ISSUE AND DATE:
November 11th, 2021
CONSTRUCTION DOCUMENTS

REVISIONS:
NO. DATE DESCRIPTION

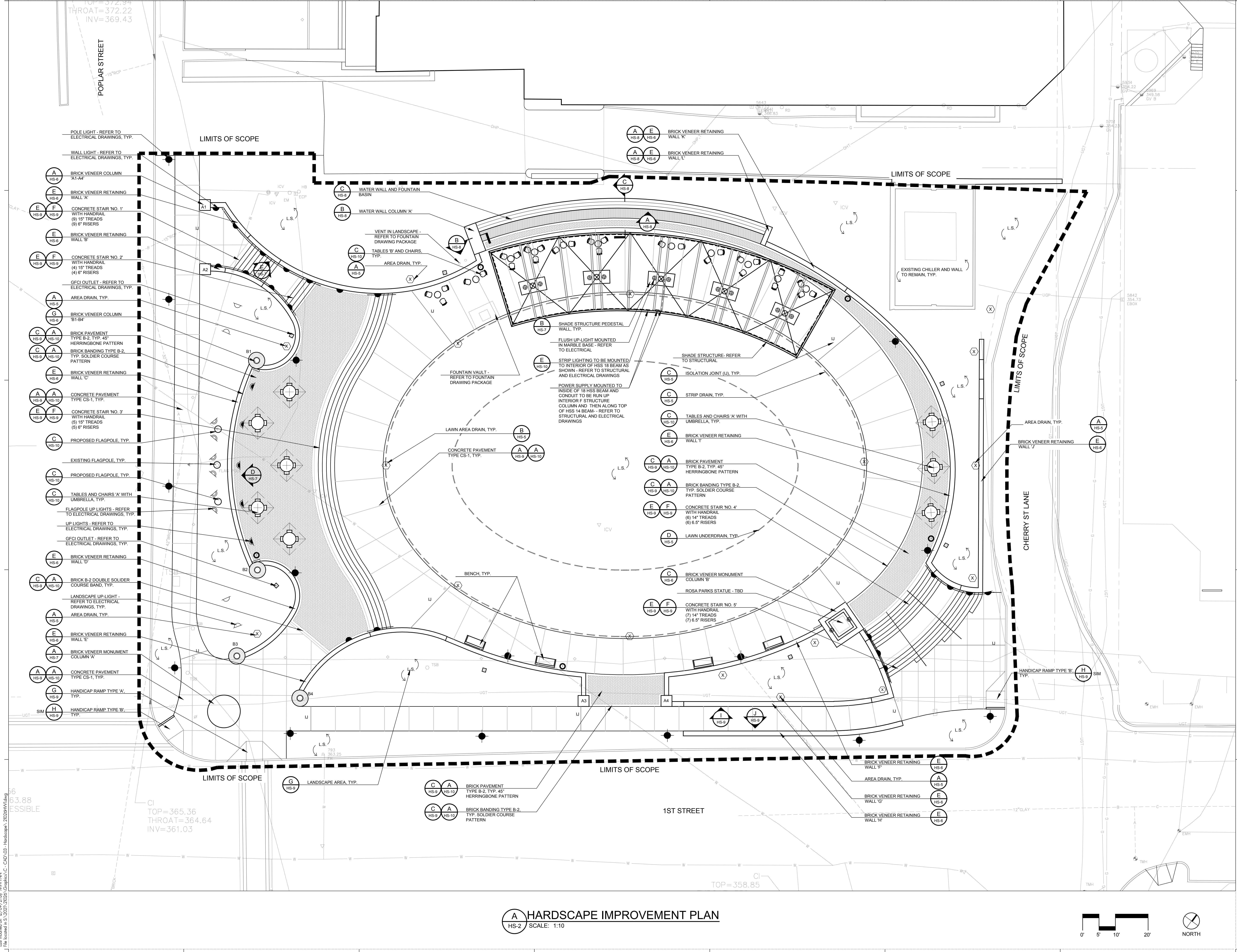


SHEET TITLE:
**NOTES &
ABBREVIATIONS**

SHEET NO.:
HS-1

RELEASED FOR CONSTRUCTION

last modified on 12/09/21 by MWPN
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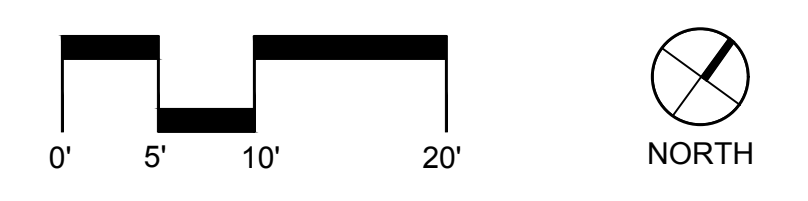


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 THROAT=372.22
 INV=369.43

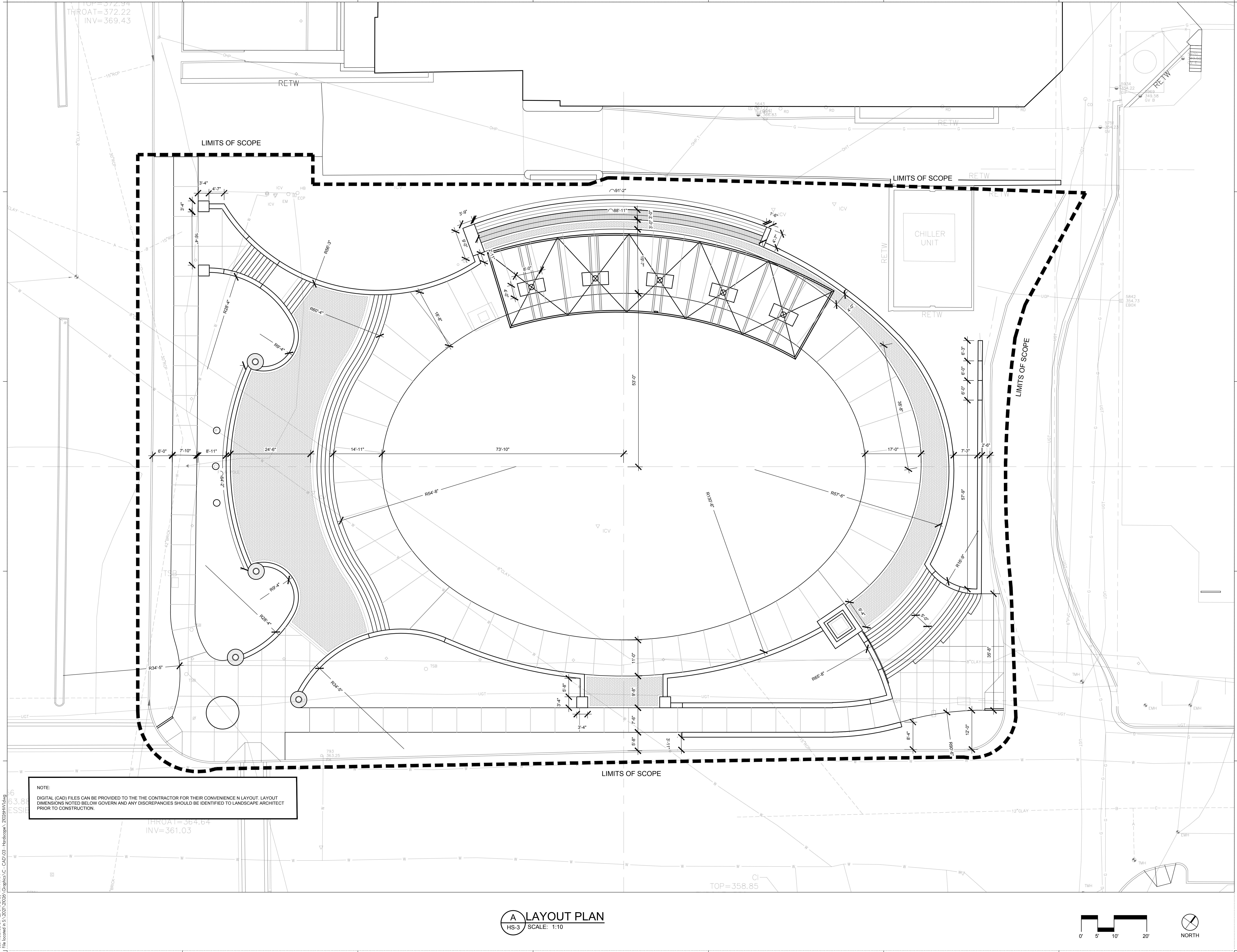
63.88
 POSSIBLE
 TOP=365.36
 THROAT=364.64
 INV=361.03

TOP=358.85

A HARDSCAPE IMPROVEMENT PLAN
 HS-2 SCALE: 1:10

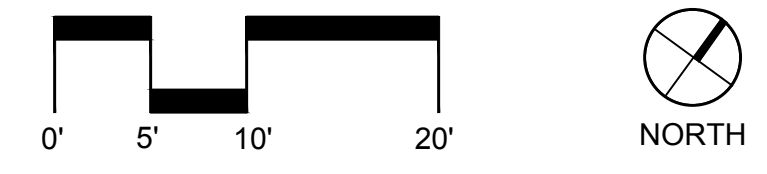


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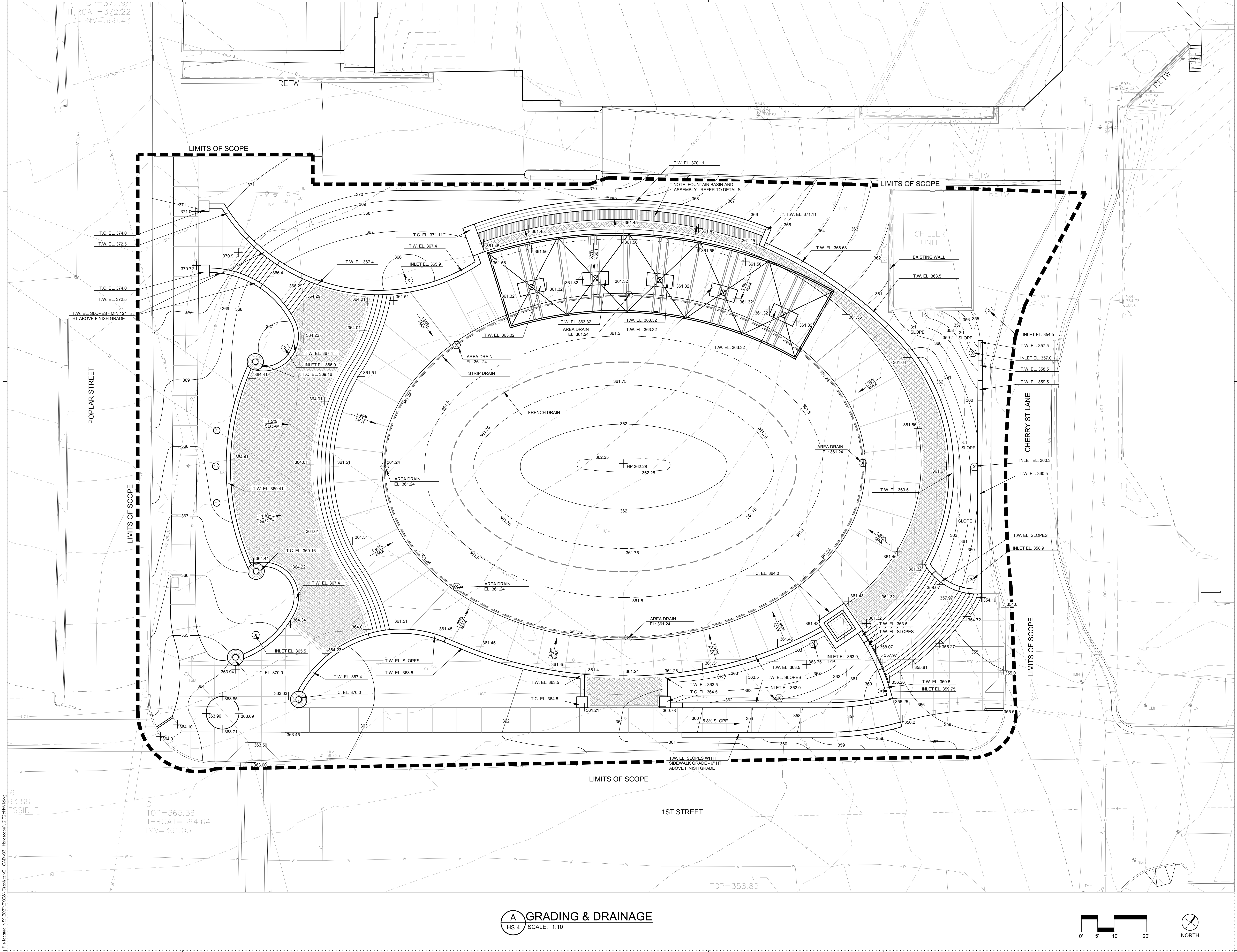


NOTE:
 DIGITAL (CAD) FILES CAN BE PROVIDED TO THE THE CONTRACTOR FOR THEIR CONVENIENCE N LAYOUT. LAYOUT DIMENSIONS NOTED BELOW GOVERN AND ANY DISCREPANCIES SHOULD BE IDENTIFIED TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

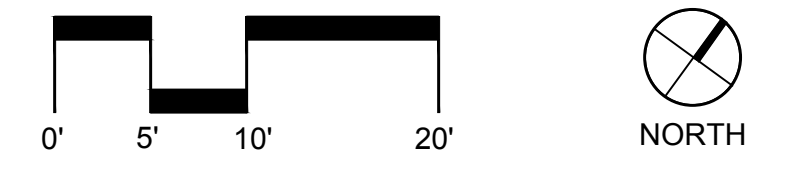
A LAYOUT PLAN
 HS-3 SCALE: 1:10



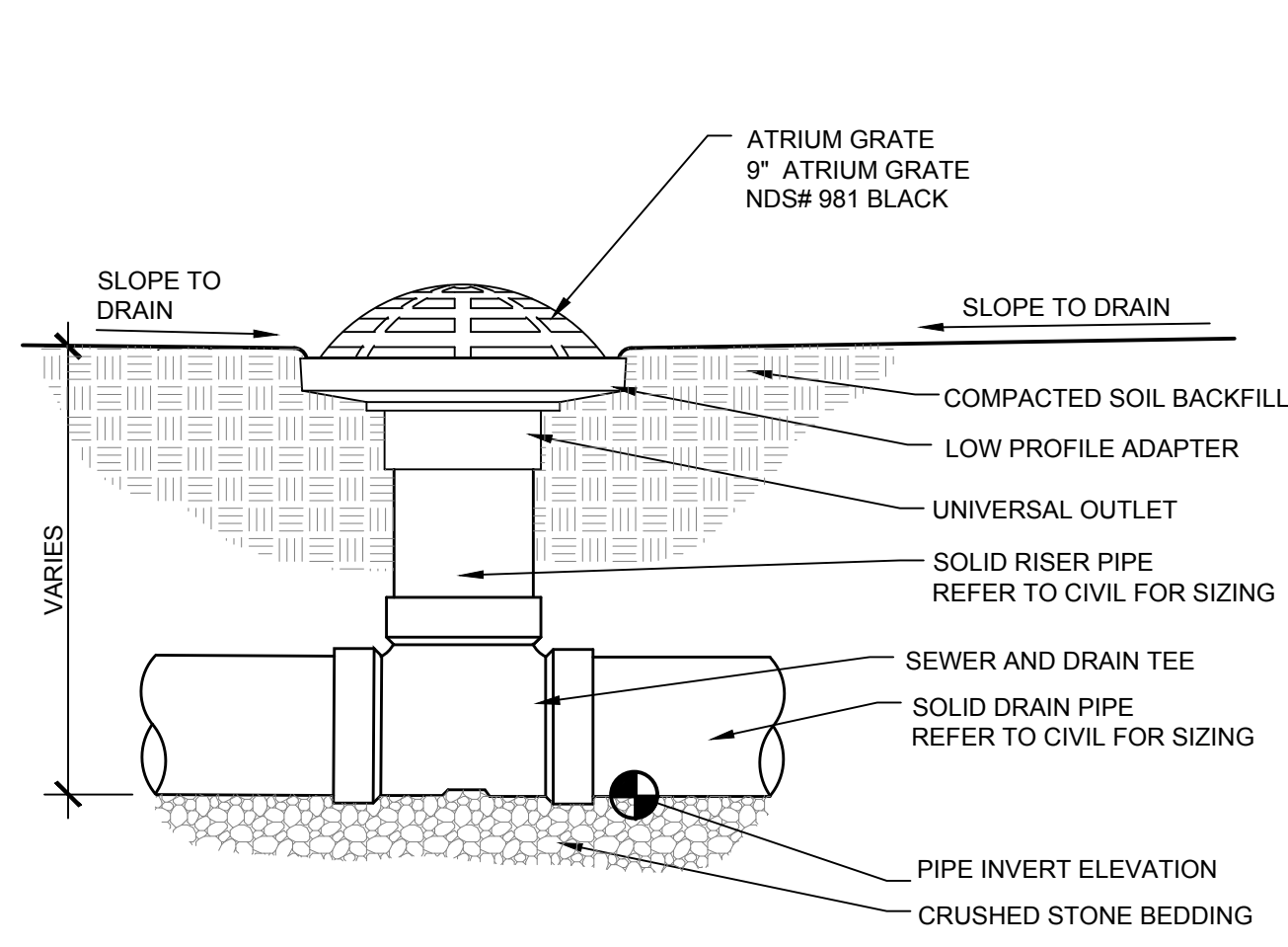
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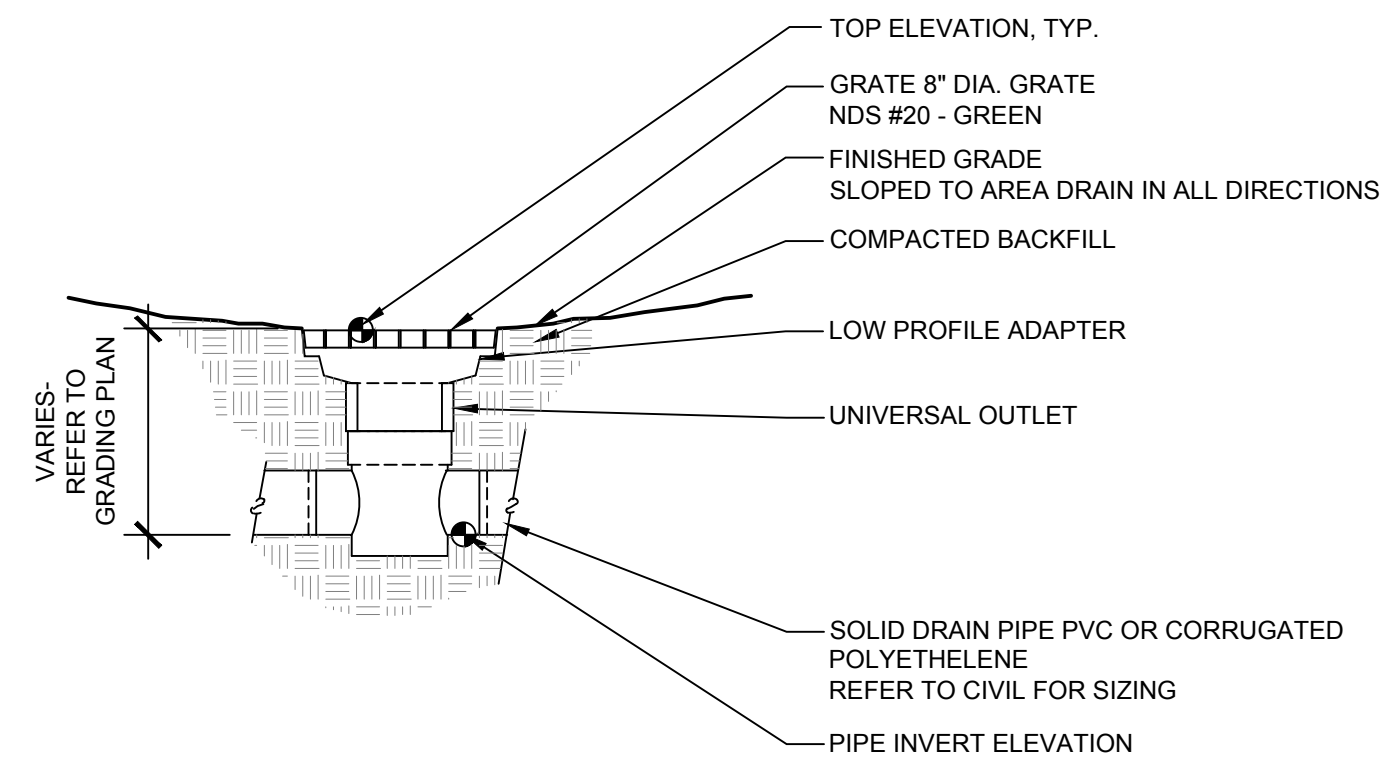
A GRADING & DRAINAGE
 HS-4 SCALE: 1:10



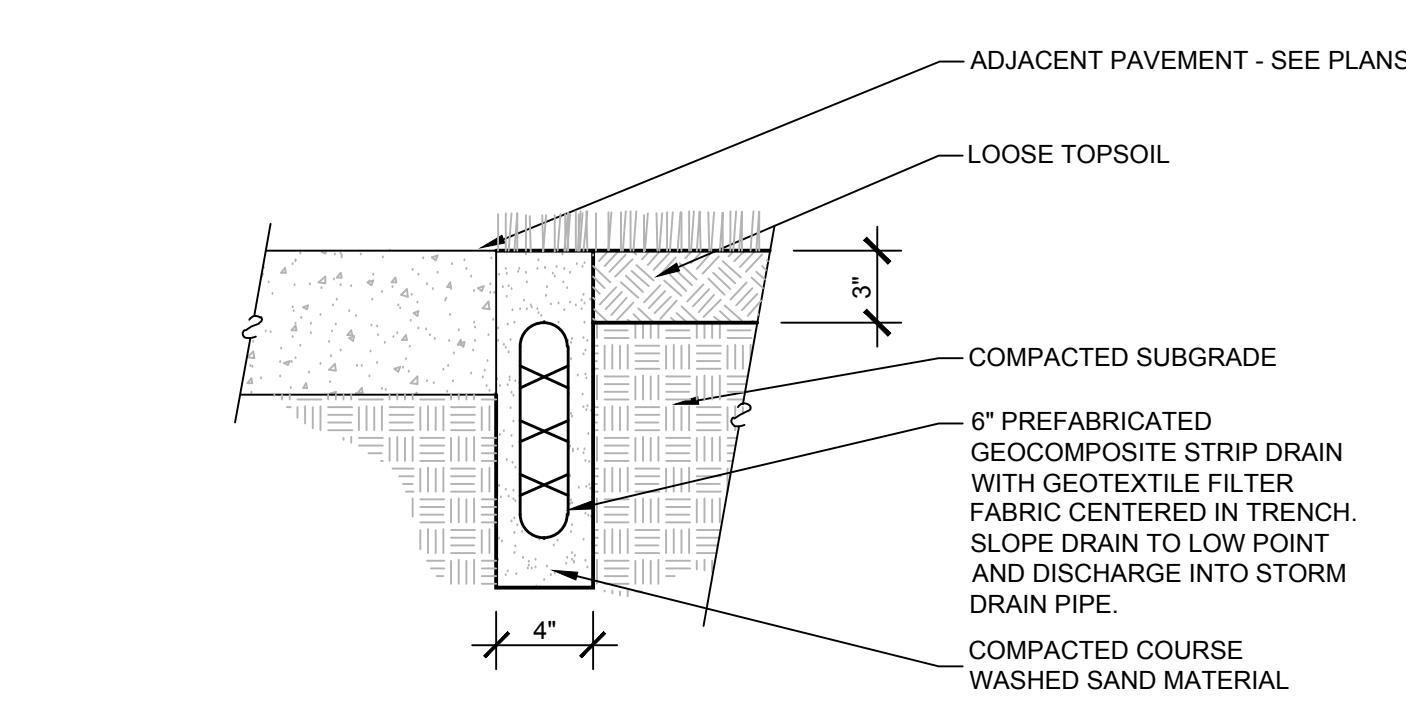
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 53.88
 POSSIBLE
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 INV=361.03
 721
 CI
 TOP=358.85
 7
 6
 5
 4
 3
 2
 1



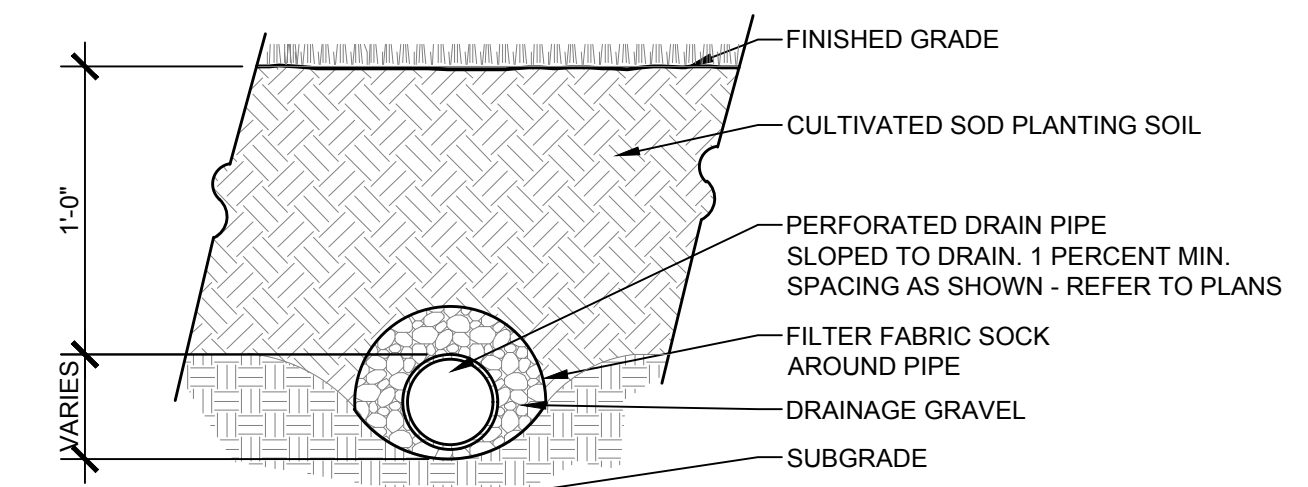
A AREA DRAIN AT LANDSCAPE BEDS - SECTION
 HS-5 SCALE: 1-1/2"=1'-0"



B AREA DRAIN AT LAWN AREAS - SECTION
 HS-5 SCALE: 1"=1'-0"



C STRIP DRAIN - SECTION
 HS-5 SCALE: 1-1/2"=1'-0"



D LAWN UNDERDRAIN - SECTION
 HS-5 SCALE: 1-1/2"=1'-0"

NOTES:
 * PROVIDE AND INSTALL PREFABRICATED AREA DRAIN SYSTEM:
 MANUFACTURER: NATIONAL DIVERSIFIED SALES INC. (800)726-1998
 PRODUCT: EXTERIOR SURFACE DRAINAGE PRODUCTS, POLYETHYLENE
 * PRODUCT SUBSTITUTION REQUESTS SHALL BE SUBMITTED BY THE CONTRACTOR WITHIN 60 DAYS AFTER COMMENCEMENT OF THE WORK. SUBMIT PRODUCT DATA TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO ORDERING, PURCHASING, AND INSTALLATION OF THE PRODUCT.

NOTES:
 1. PROVIDE AND INSTALL PREFABRICATED GEOCOMPOSITE STRIP DRAIN SYSTEM:
 MANUFACTURER: VARICORE TECHNOLOGIES INC. (800)978-8007.
 PRODUCT: MULTI-FLOW DRAINAGE SYSTEMS
 2. PRODUCT SUBSTITUTION REQUESTS SHALL BE SUBMITTED BY THE CONTRACTOR WITHIN 60 DAYS AFTER COMMENCEMENT OF THE WORK. SUBMIT PRODUCT DATA TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO ORDERING, PURCHASING, AND INSTALLATION OF PRODUCT.
 3. COARSE SAND SHALL HAVE A PARTICLE SIZE DISTRIBUTION OF LESS THAN 5% RETAINED ON A #10 SIEVE SIZE AND LESS THAN 5% PASSING A #30 SIEVE SIZE.



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 Building 8, Suite 320
 Atlanta, Georgia 30306
 www.hgor.com
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CONSULTANT LOGO:

CONSULTANT INFORMATION:

PROJECT TITLE:

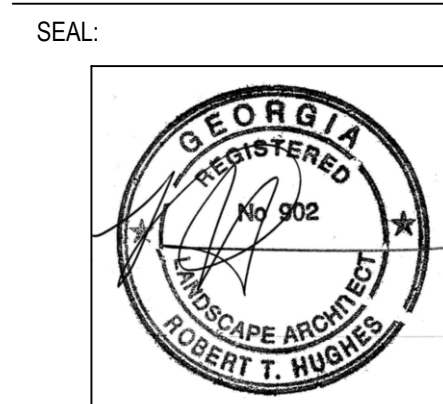
**ROSA PARKS SQUARE
 RENOVATION PROJECT**
 POPLAR STREET
 MACON, GEORGIA
 MACON-BIBB COUNTY
 MACON, GEORGIA

PROJECT NO:
21026
 PRINCIPAL IN CHARGE: TF
 PROJECT MANAGER: MW
 DRAWN BY: MW

ISSUE AND DATE:
 November 11th, 2021
 CONSTRUCTION DOCUMENTS

REVISIONS:

NO.	DATE	DESCRIPTION

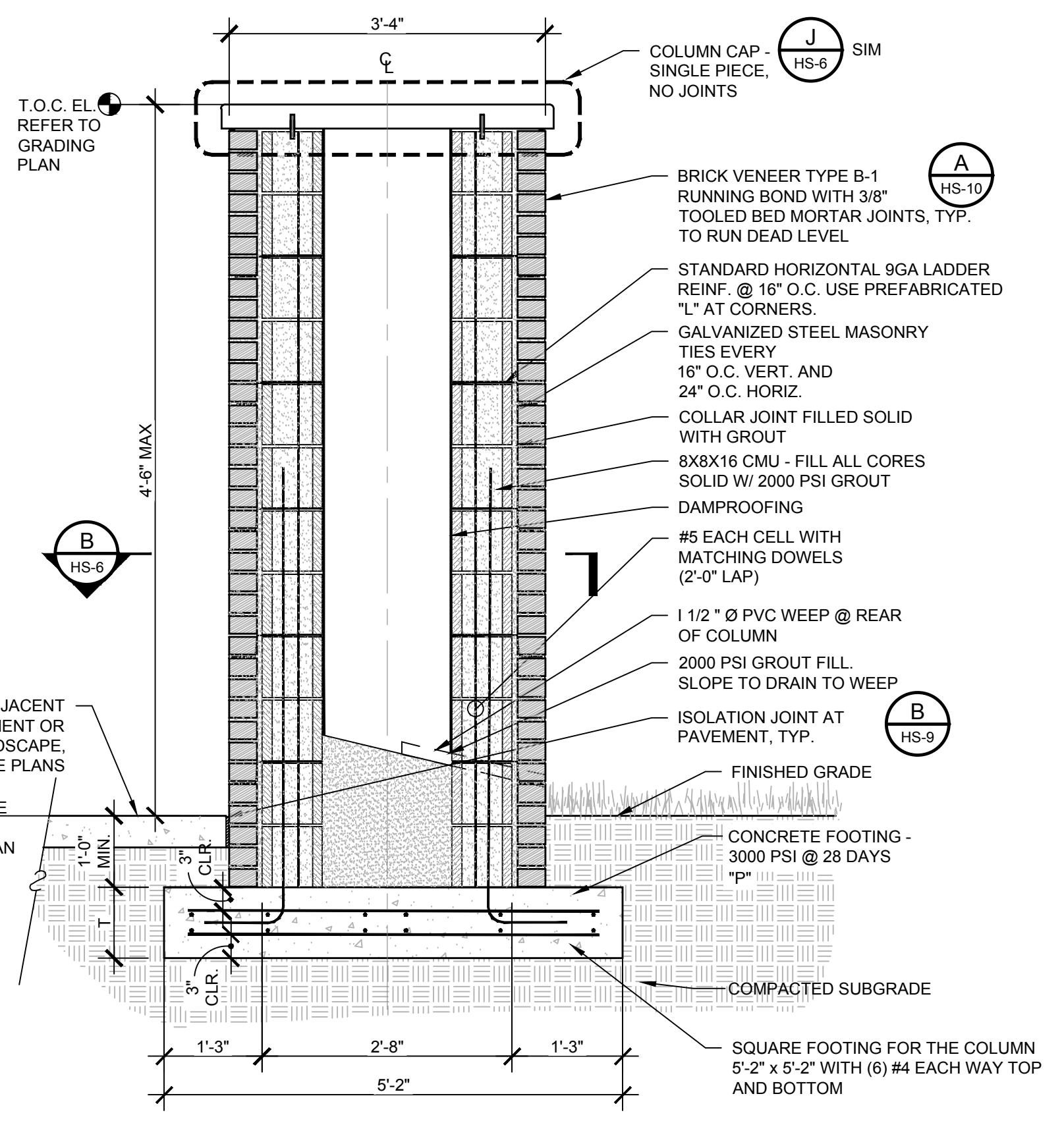


SHEET TITLE:
**HARDSCAPE
 DETAILS**

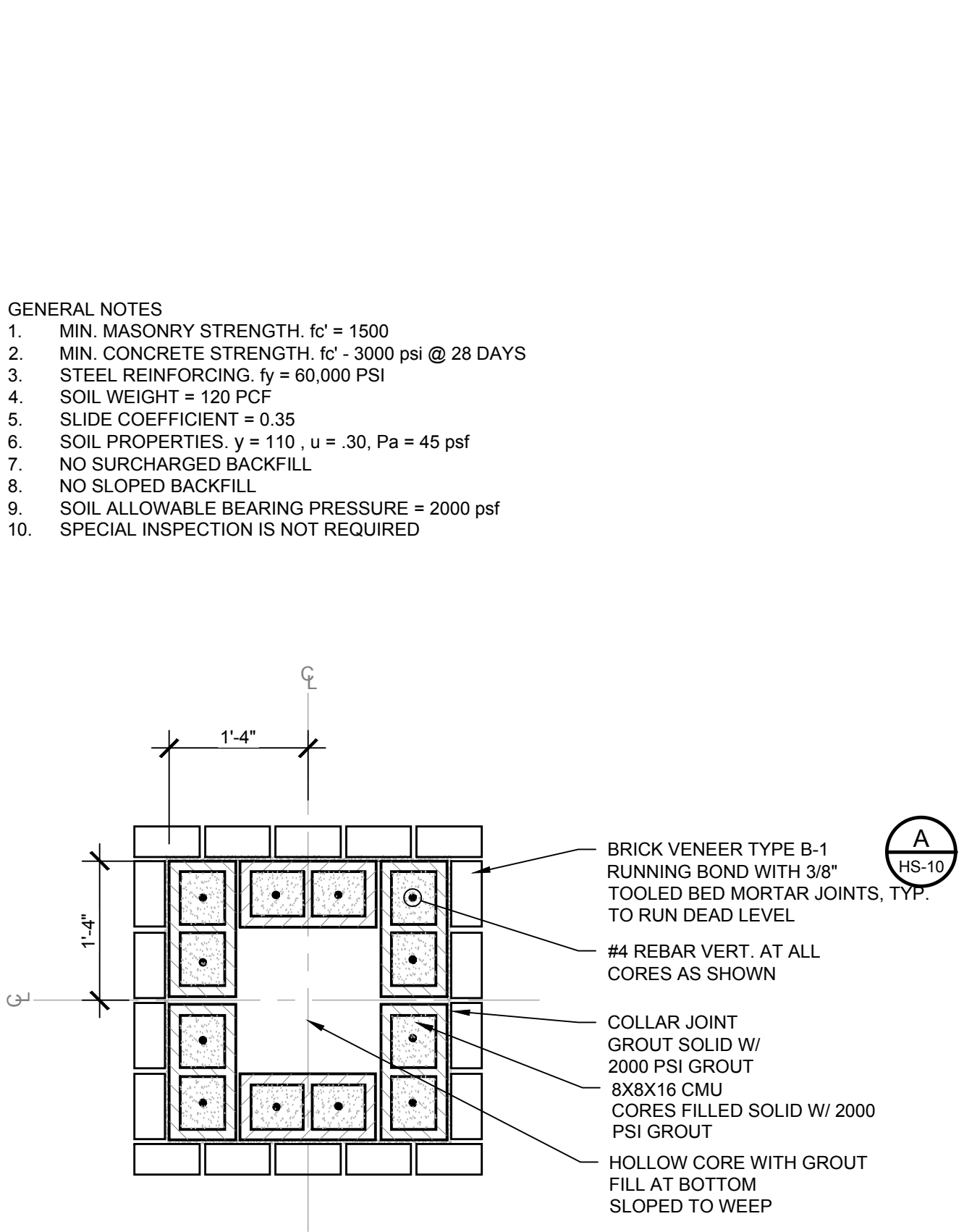
SHEET NO:
HS-5

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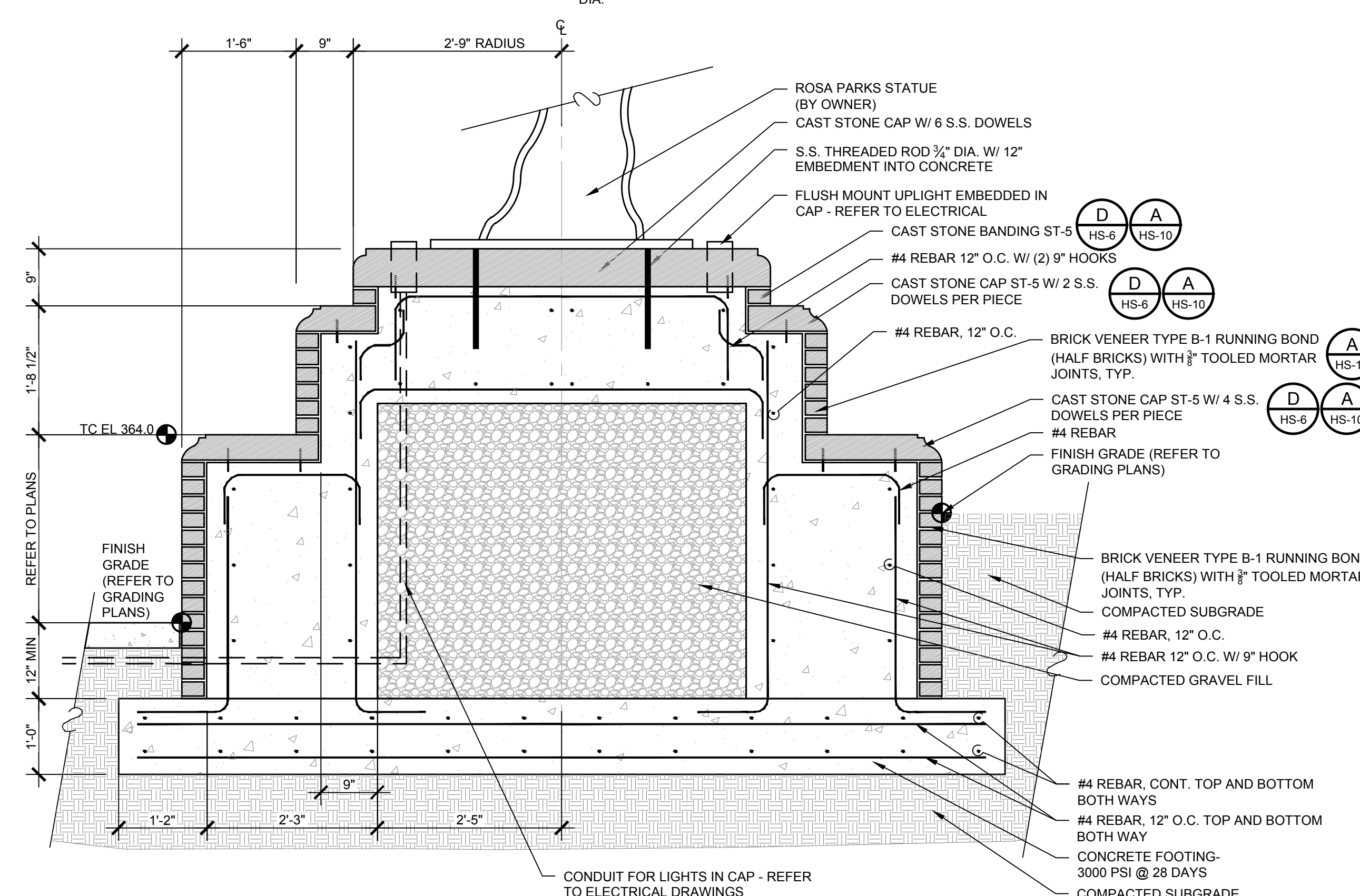
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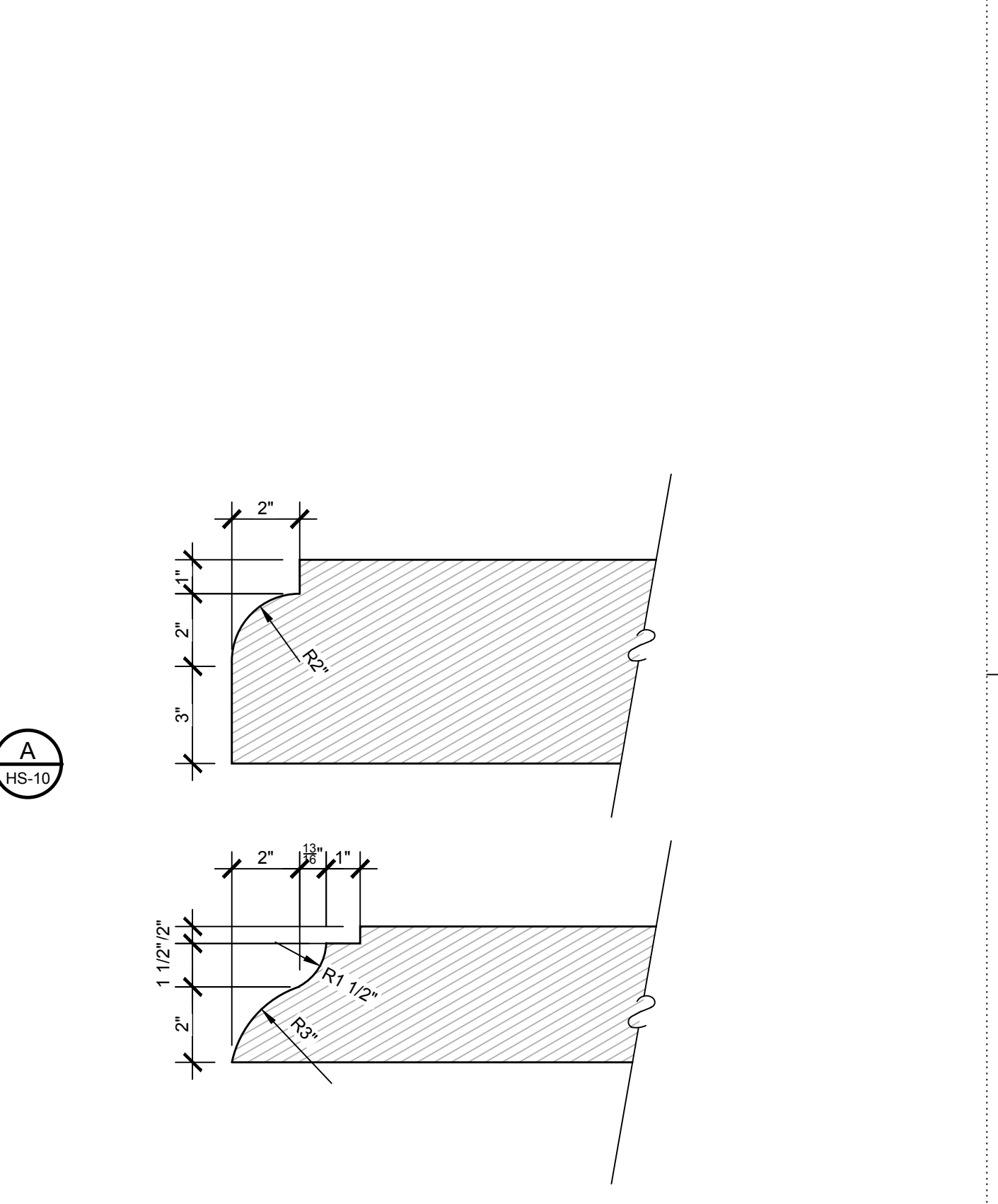
A BRICK VENEER COLUMN 'A' - SECTION
 HS-6 SCALE: 3/4" = 1'-0"



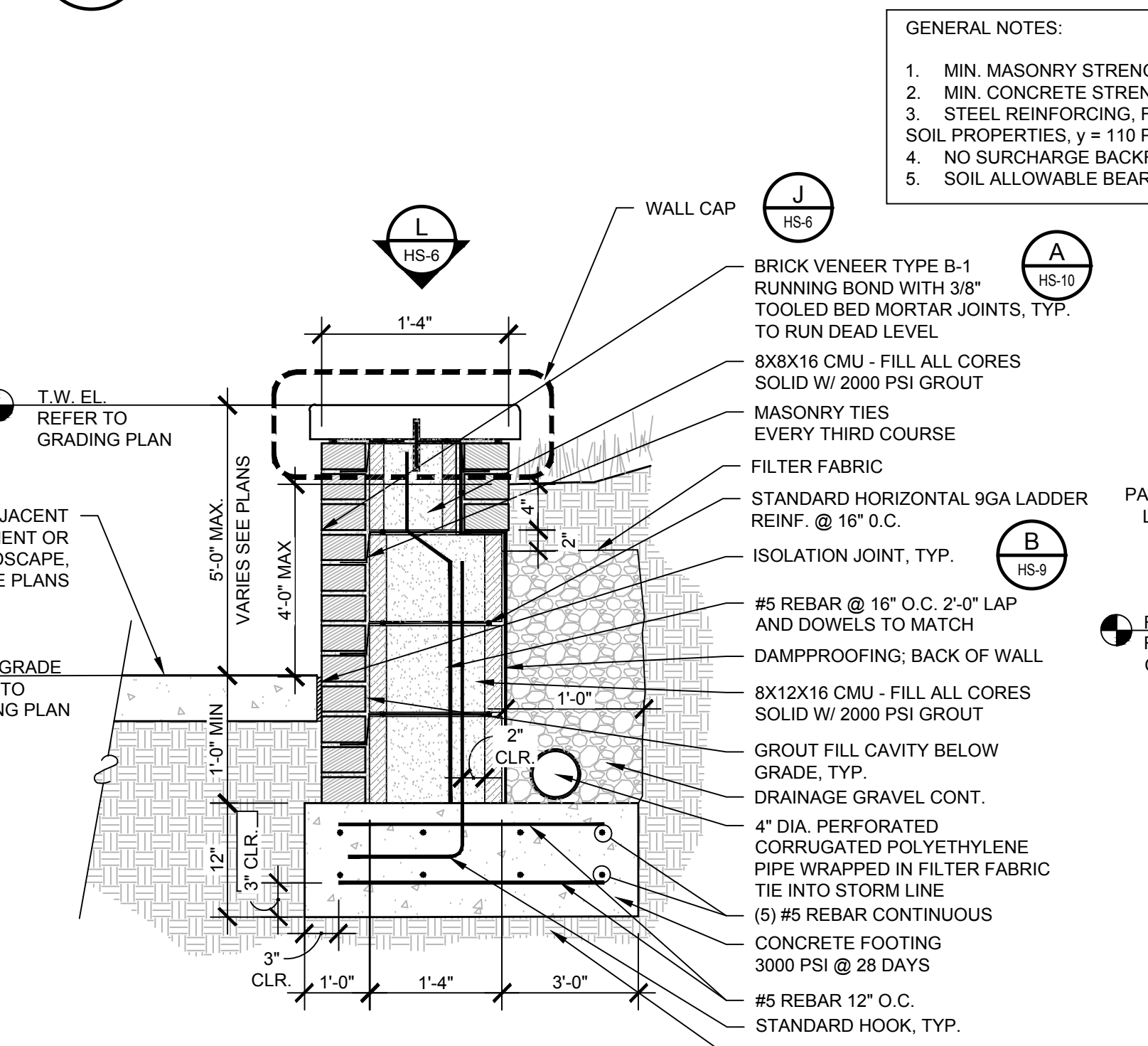
B BRICK VENEER COLUMN 'A' - PLAN SECTION
 HS-6 SCALE: 3/4" = 1'-0"



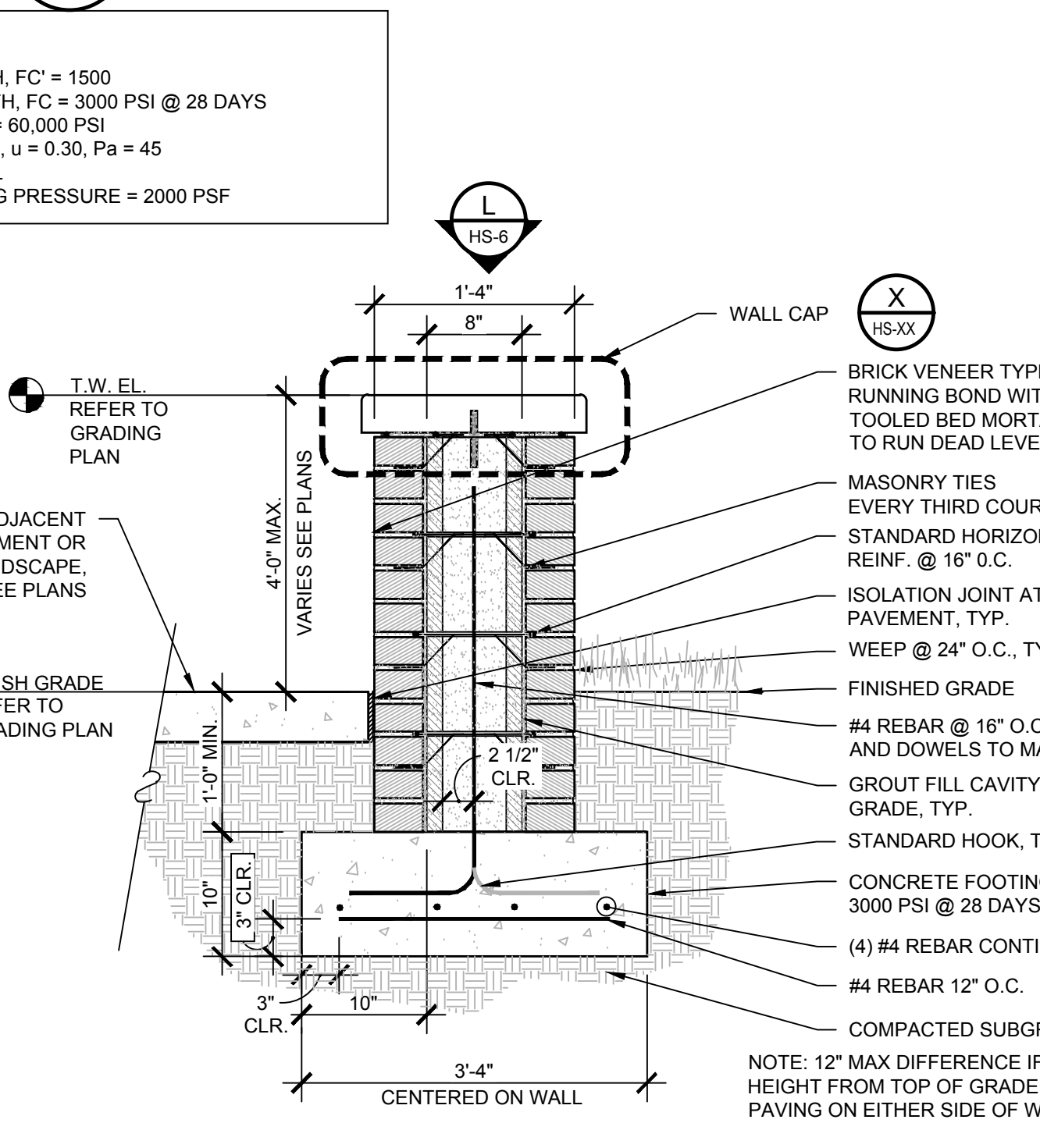
C MONUMENT SCULPTURE BASE 'B' - SECTION
 HS-6 SCALE: 3/4" = 1'-0"



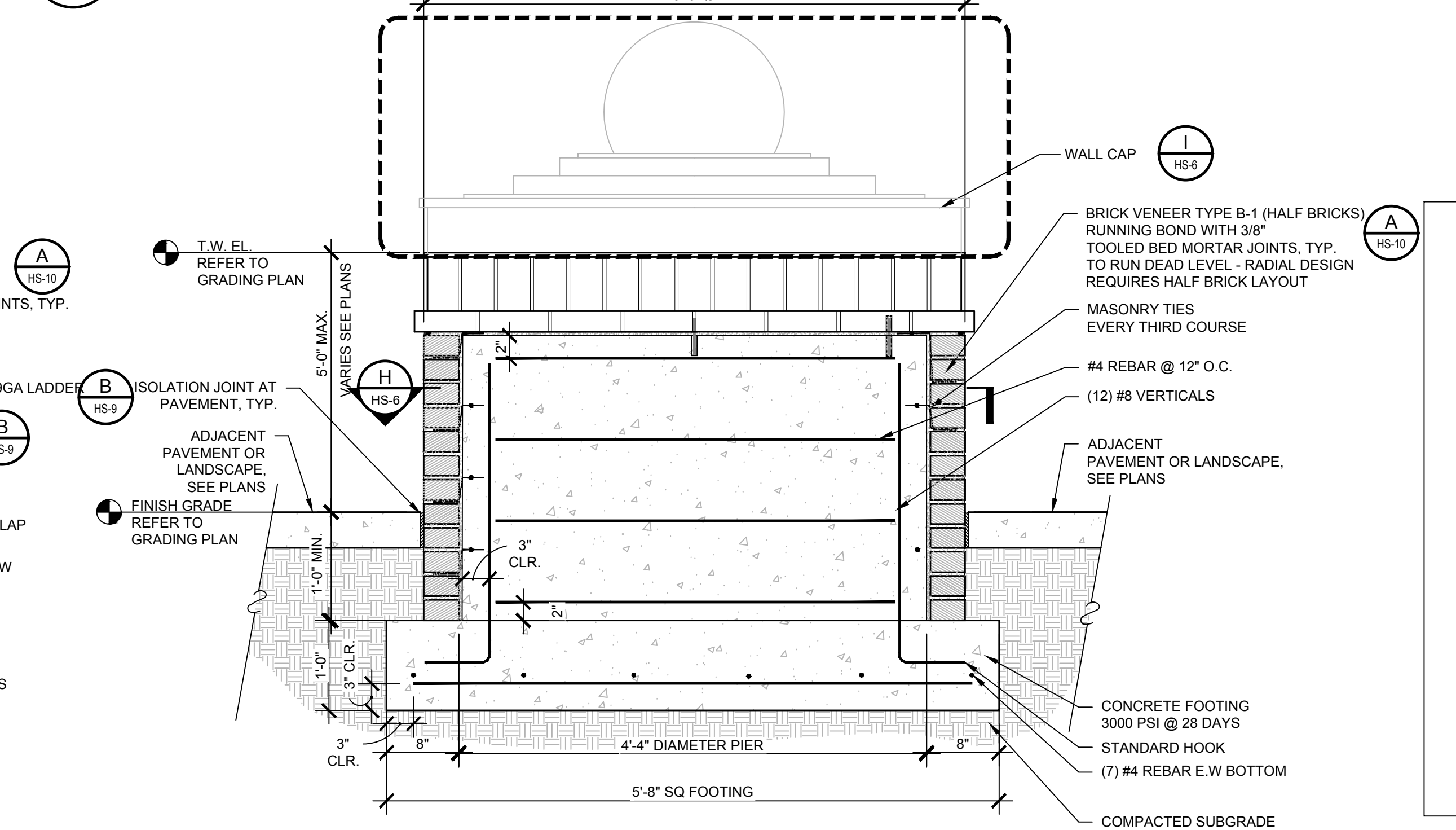
D MONUMENT 'B' CAST STONE - PROFILE
 HS-6 SCALE: 3" = 1'-0"



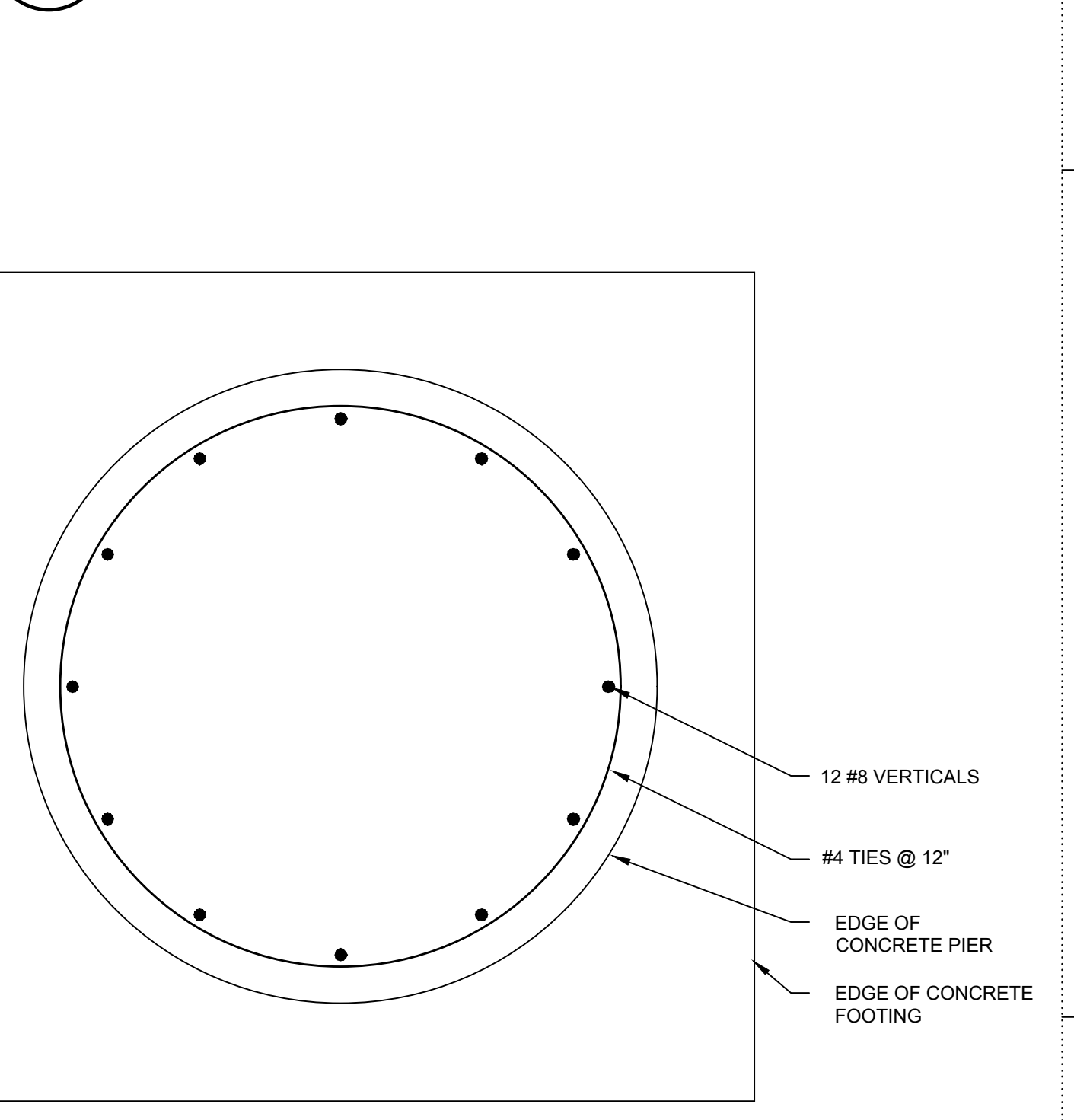
E BRICK VENEER RETAINING WALL - SECTION
 HS-6 SCALE: 1" = 1'-0"



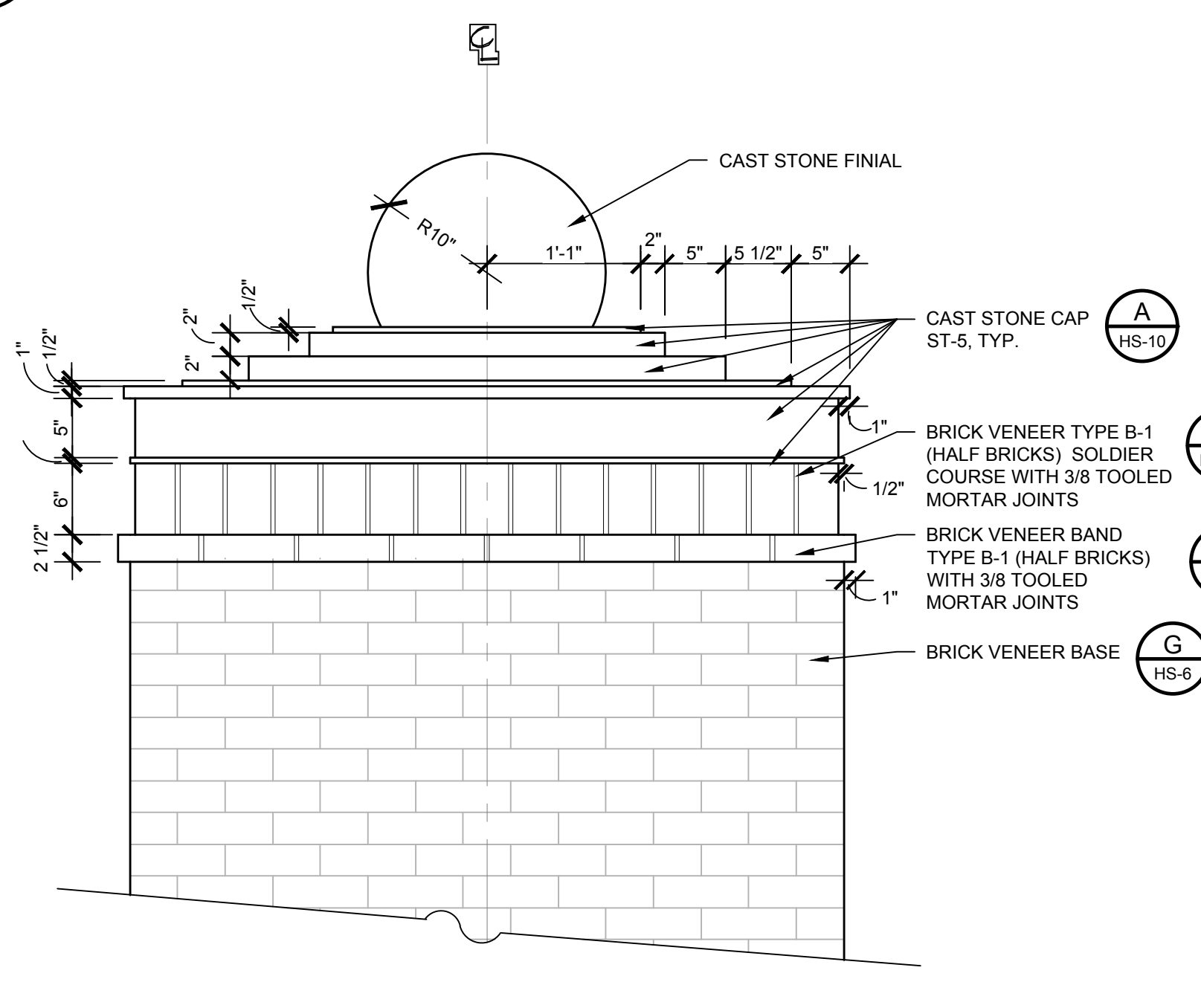
F BRICK VENEER FREESTANDING WALL - SECTION
 HS-6 SCALE: 1" = 1'-0"



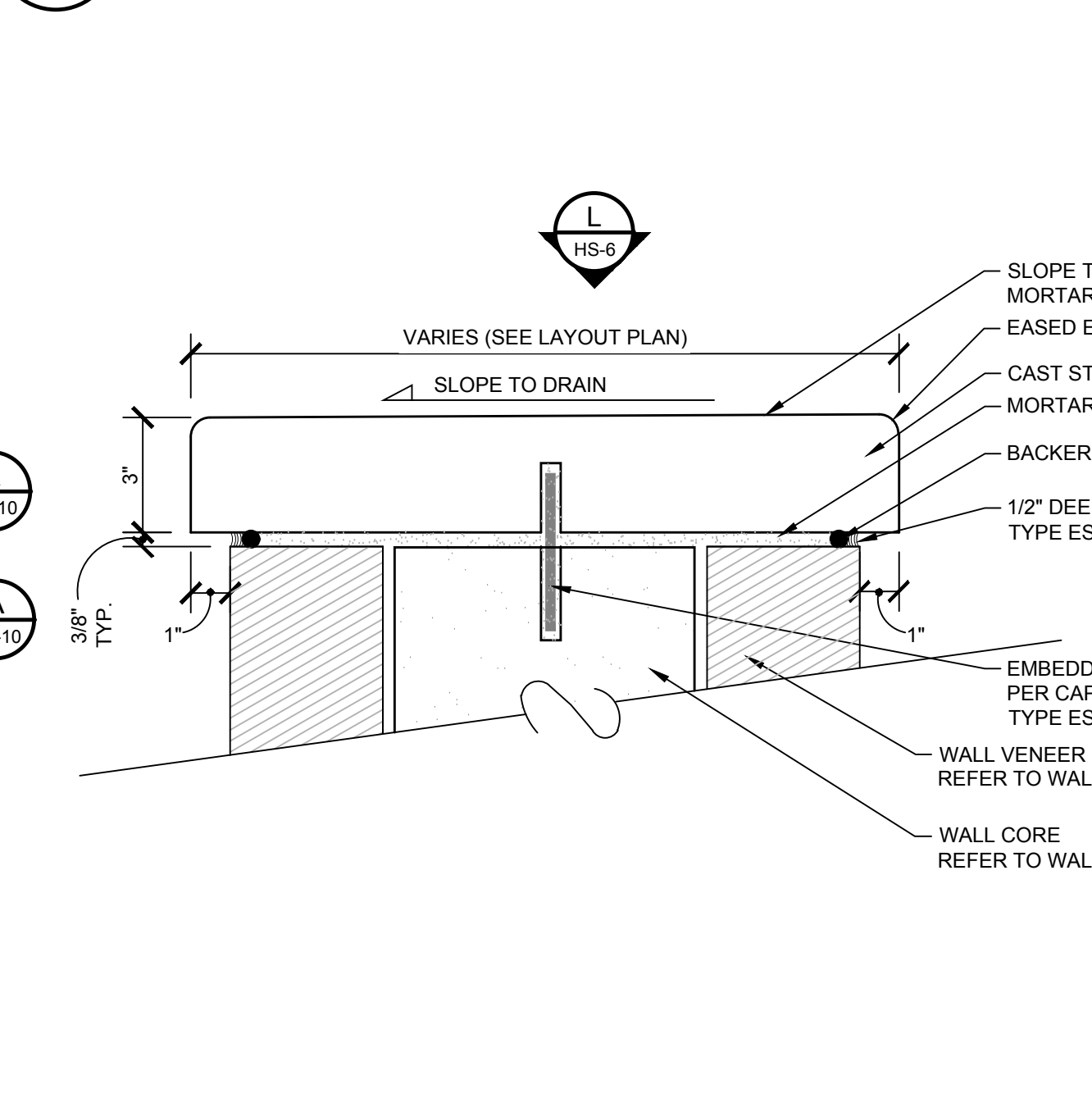
G BRICK VENEER COLUMN 'B' - SECTION
 HS-6 SCALE: 1" = 1'-0"



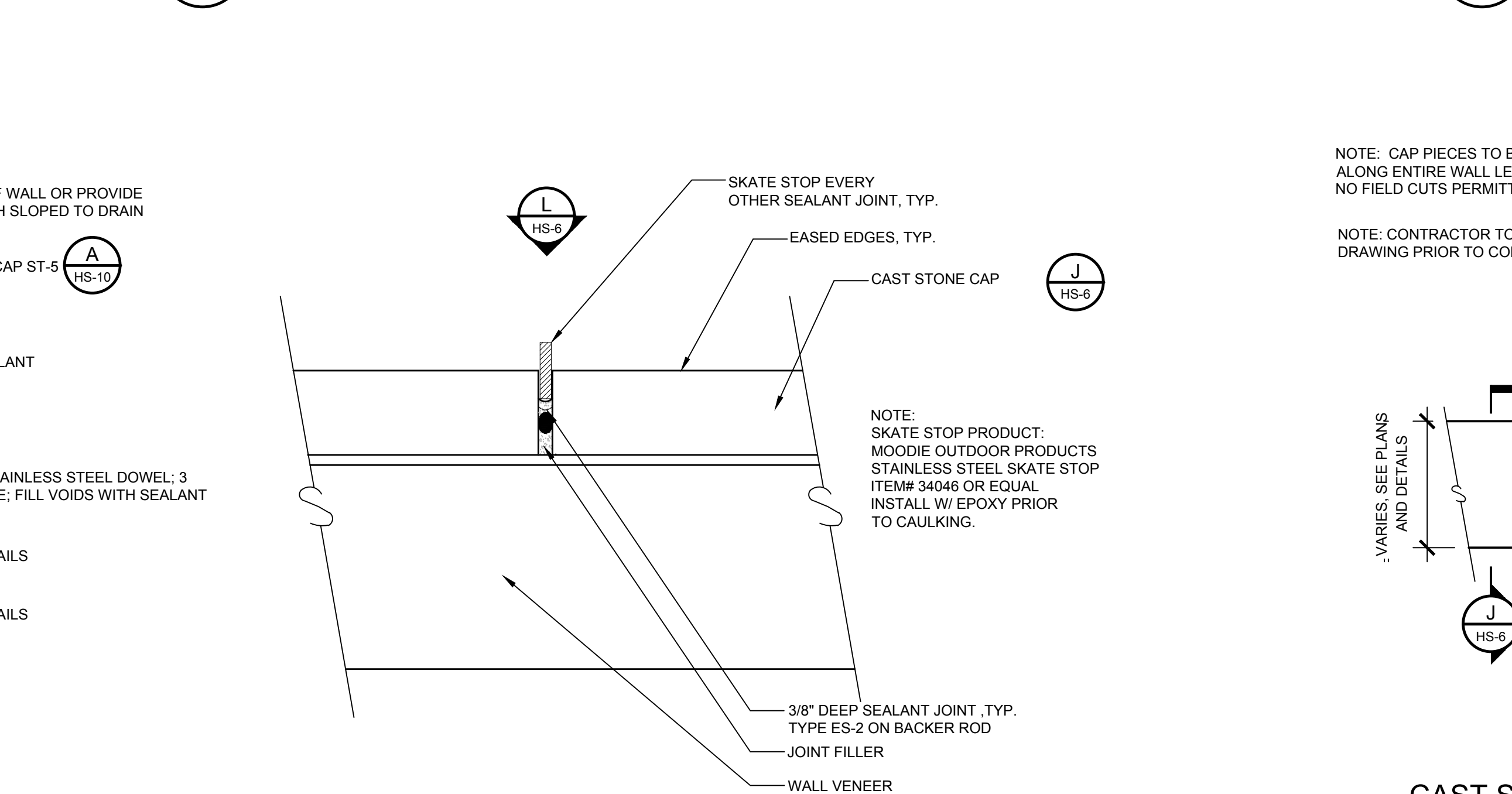
H BRICK VENEER COLUMN 'B' PIER - SECTION
 HS-6 SCALE: 1" = 1'-0"



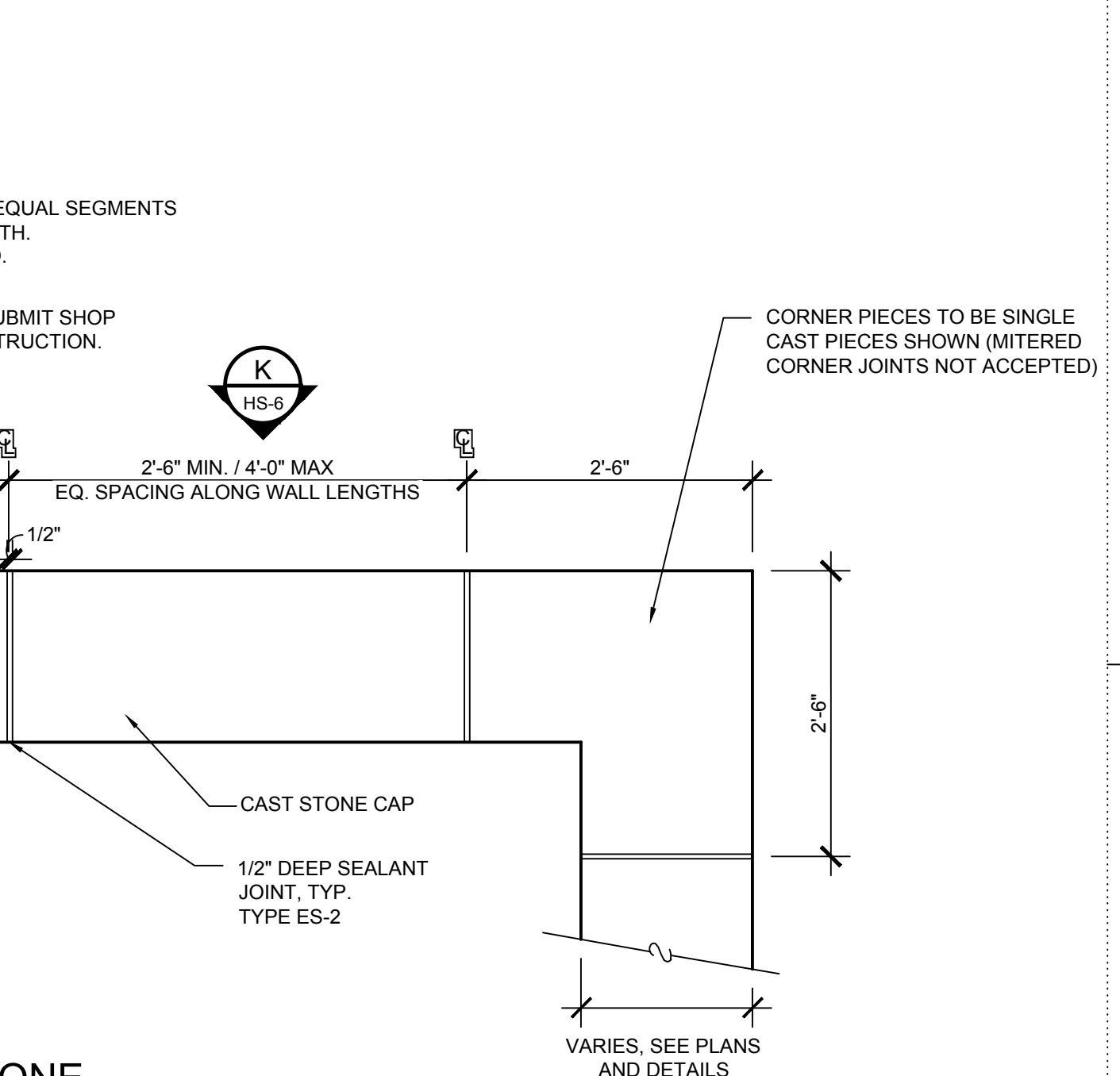
I BRICK VENEER COLUMN 'B' - ENLARGEMENT
 HS-6



J CAST STONE WALL CAP - SECTION
 HS-6 SCALE: 3" = 1'-0"

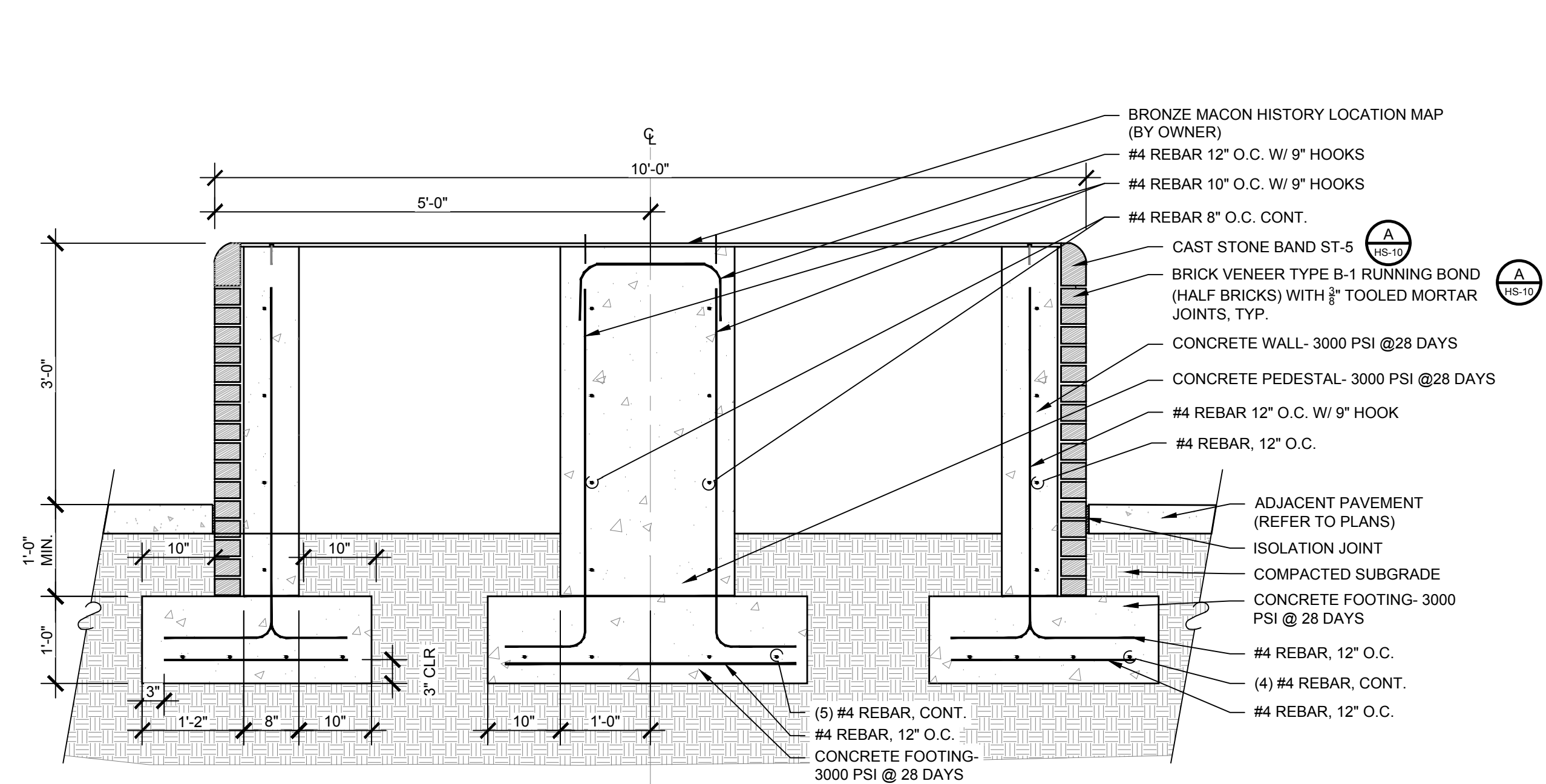


K WALL CAP SKATE STOP - PARTIAL ELEVATION
 HS-6 SCALE: 3" = 1'-0"

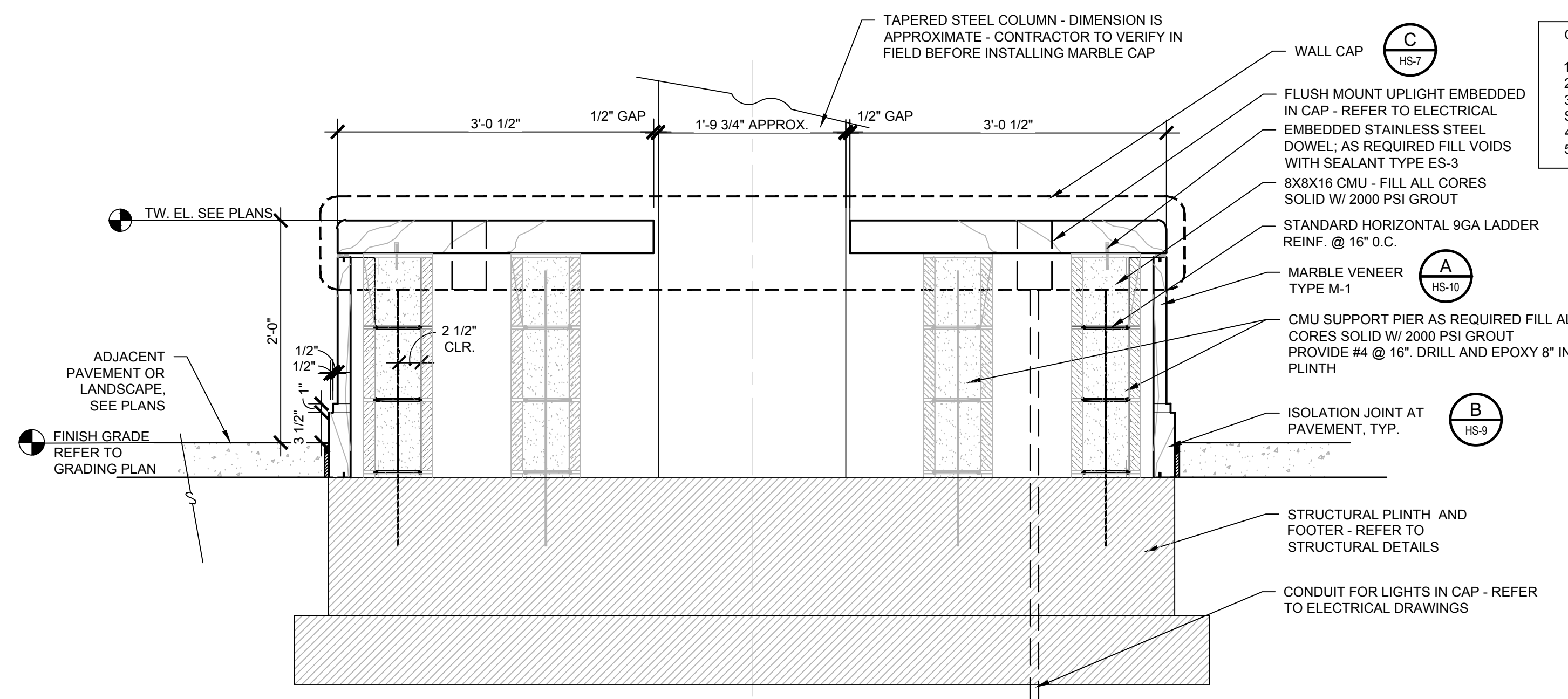


L CAST STONE WALL CAP - PARTIAL PLAN
 HS-6 SCALE: 3/4" = 1'-0"

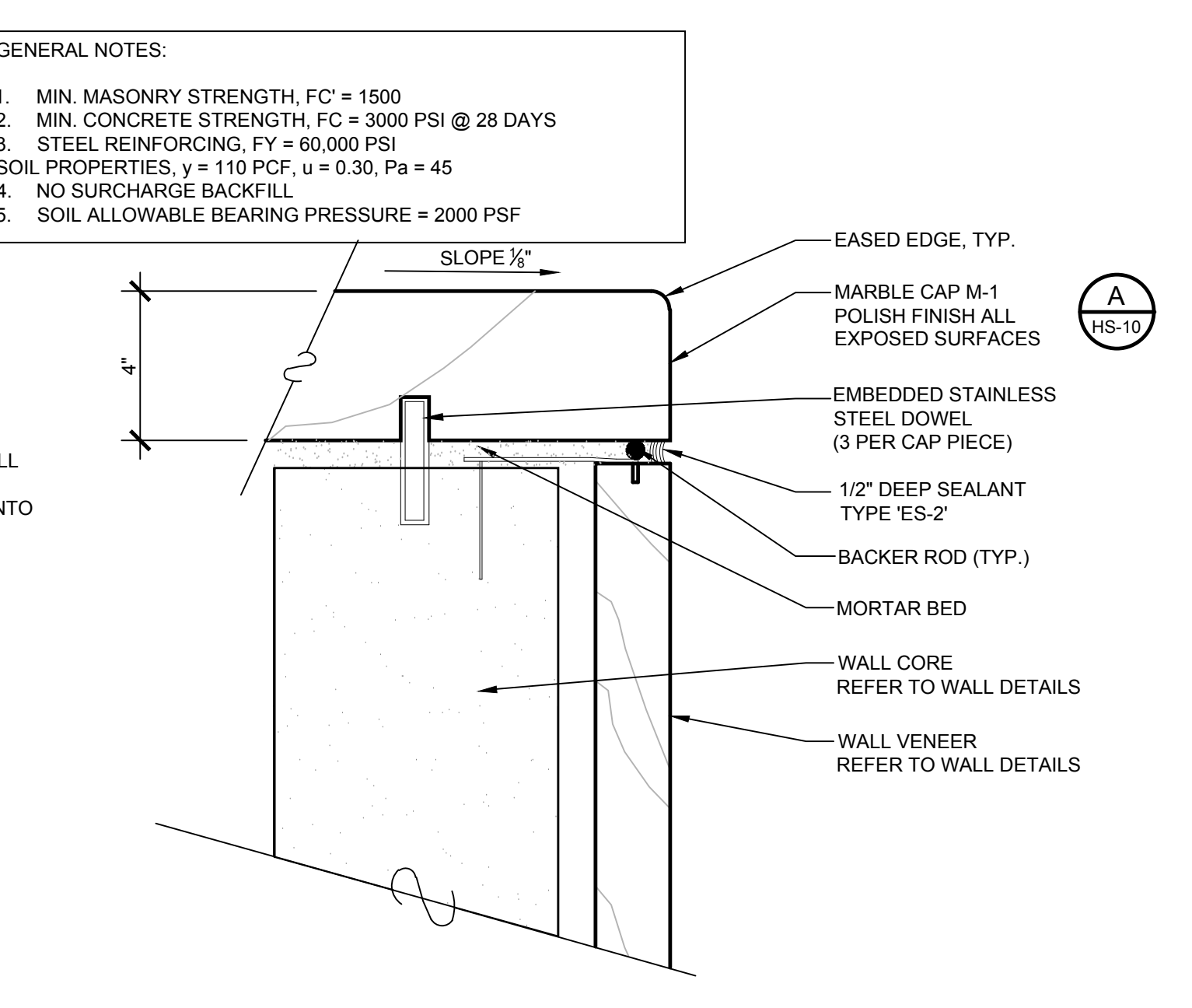
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A BRICK VENEER MONUMENT 'A' - SECTION
 HS-7 SCALE: 3/4" = 1'-0"

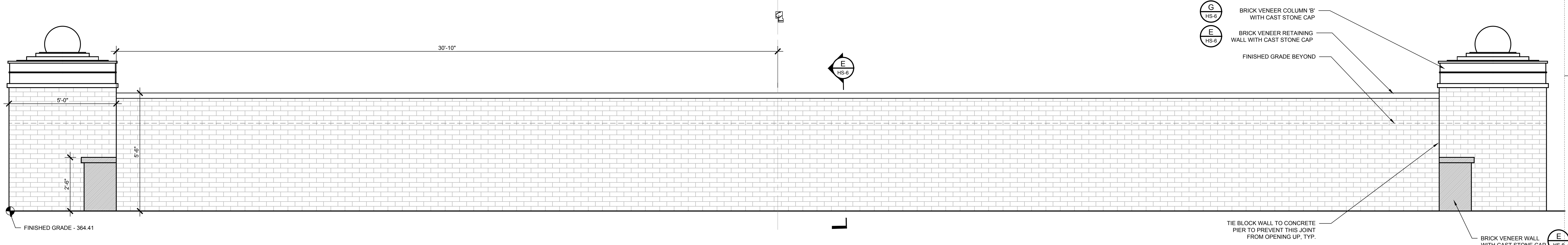


B SHADE STRUCTURE PEDESTAL WALL - SECTION
 HS-7 SCALE: 1" = 1'-0"

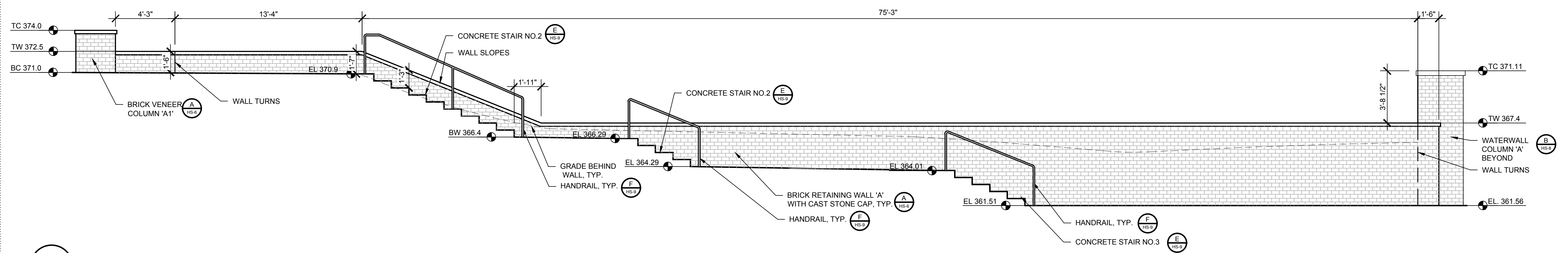


C WALL CAP - SECTION
 HS-7 SCALE: 3" = 1'-0"

- GENERAL NOTES:
1. MIN. MASONRY STRENGTH, FC = 1500
 2. MIN. CONCRETE STRENGTH, FC = 3000 PSI @ 28 DAYS
 3. STEEL REINFORCING, FY = 60,000 PSI
 4. SOIL PROPERTIES, γ = 110 PCF, u = 0.30, Pa = 45
 5. NO SURCHARGE BACKFILL
 6. SOIL ALLOWABLE BEARING PRESSURE = 2000 PSF



D BRICK WALL 'C' - UNFOLDED ELEVATION
 HS-7 SCALE: 1/2" = 1'-0"



E WALL 'A' - UNFOLDED ELEVATION
 HS-7 SCALE: 1/4" = 1'-0"



3525 Piedmont RD NE
 Building 8, Suite 320
 Atlanta, Georgia 30306
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CONSULTANT LOGO:

CONSULTANT INFORMATION:

PROJECT TITLE:

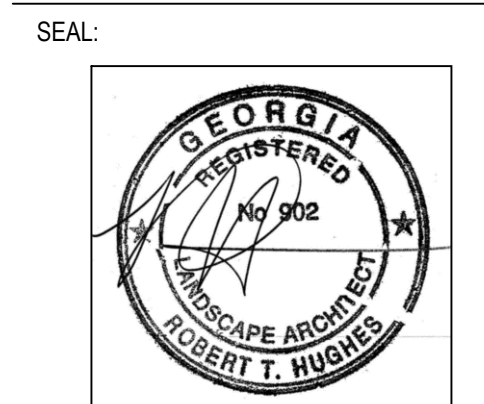
**ROSA PARKS SQUARE
 RENOVATION PROJECT**
 POPLAR STREET
 MACON, GEORGIA
 MACON-BIBB COUNTY
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PRINCIPAL IN CHARGE: TF
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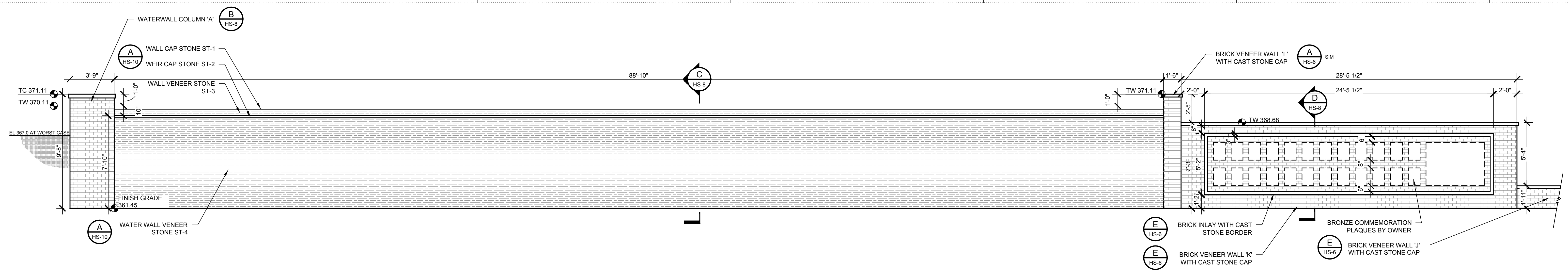


SHEET TITLE:
**HARDSCAPE
 DETAILS**

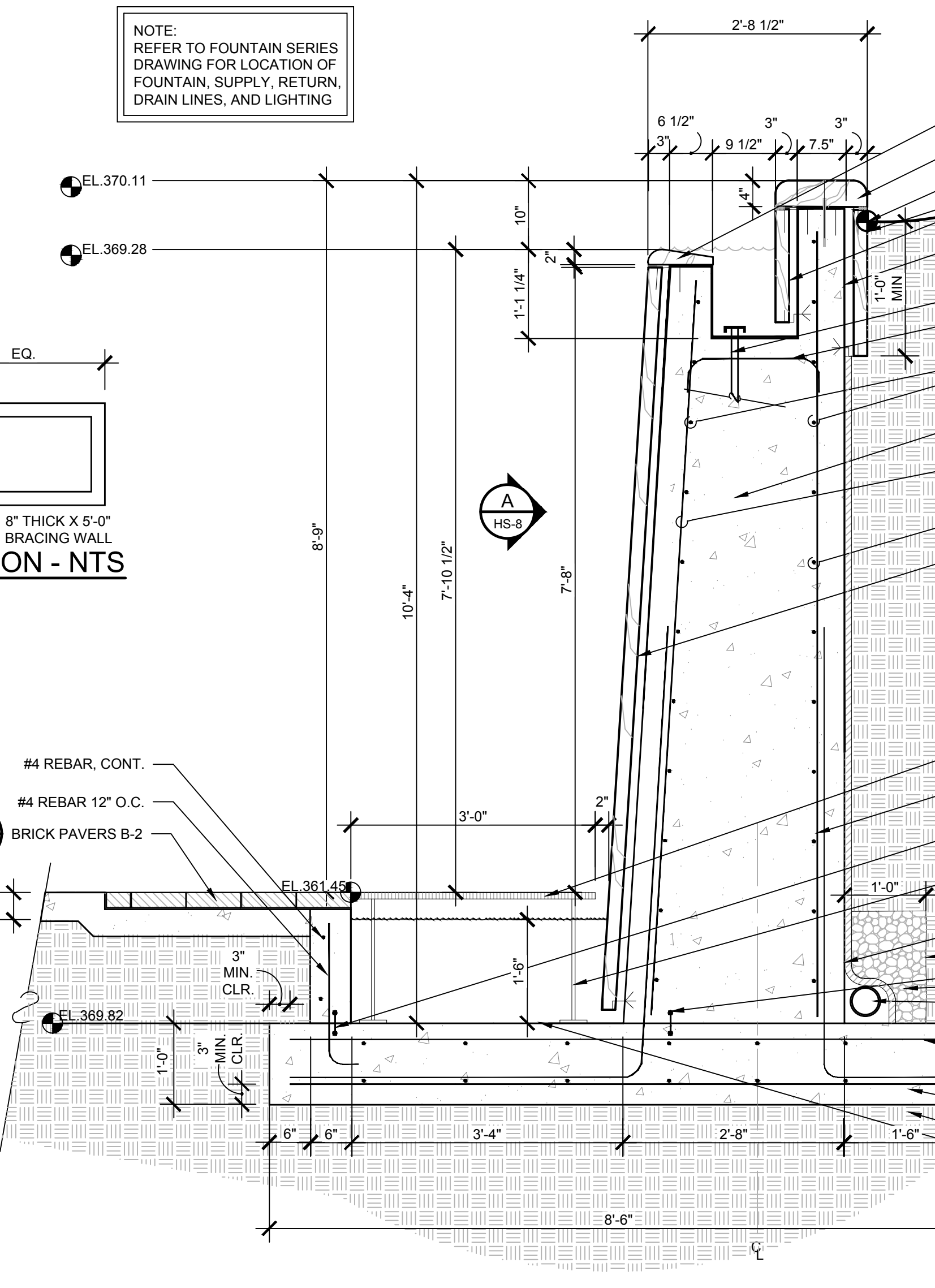
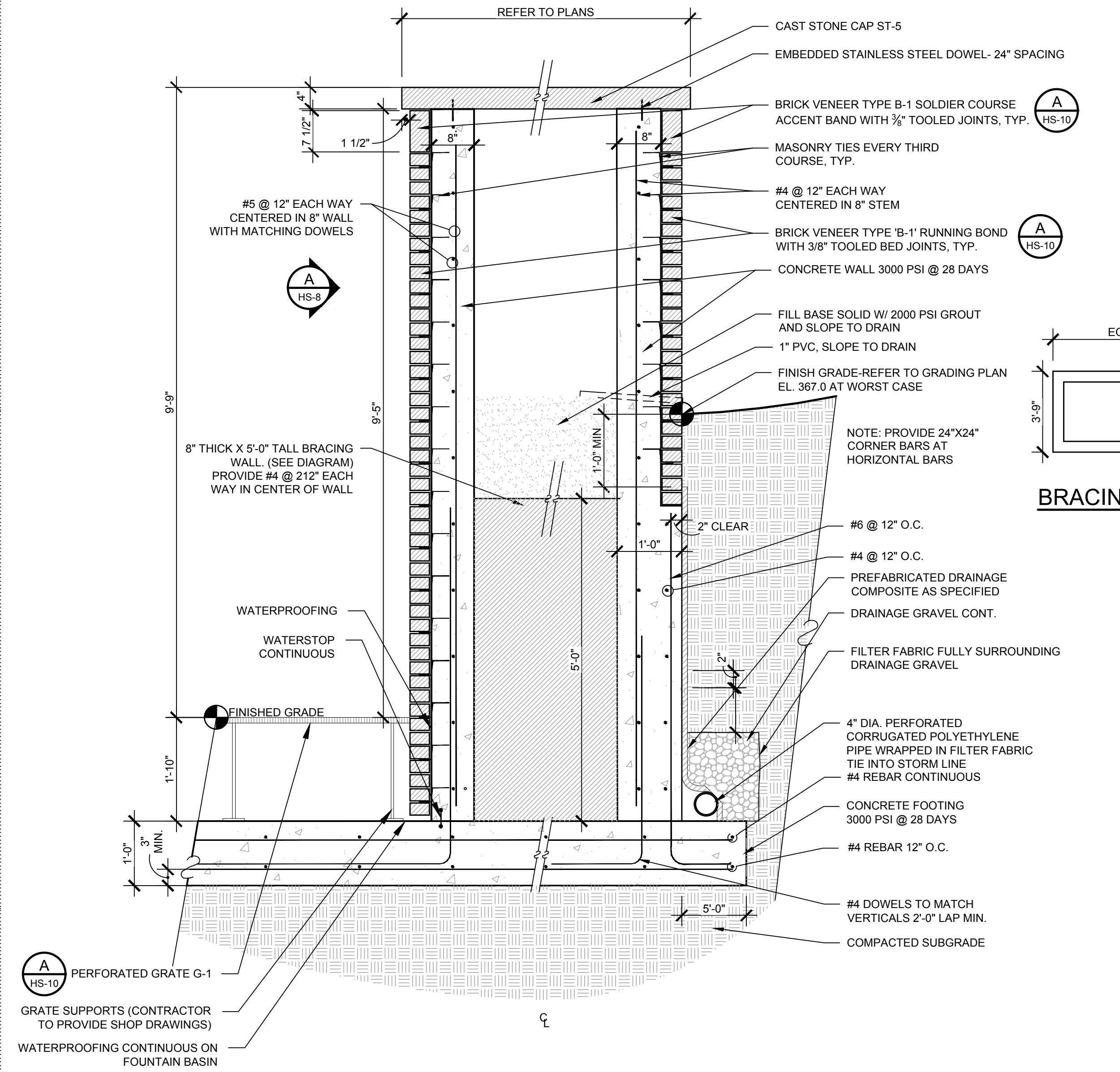
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HS-7

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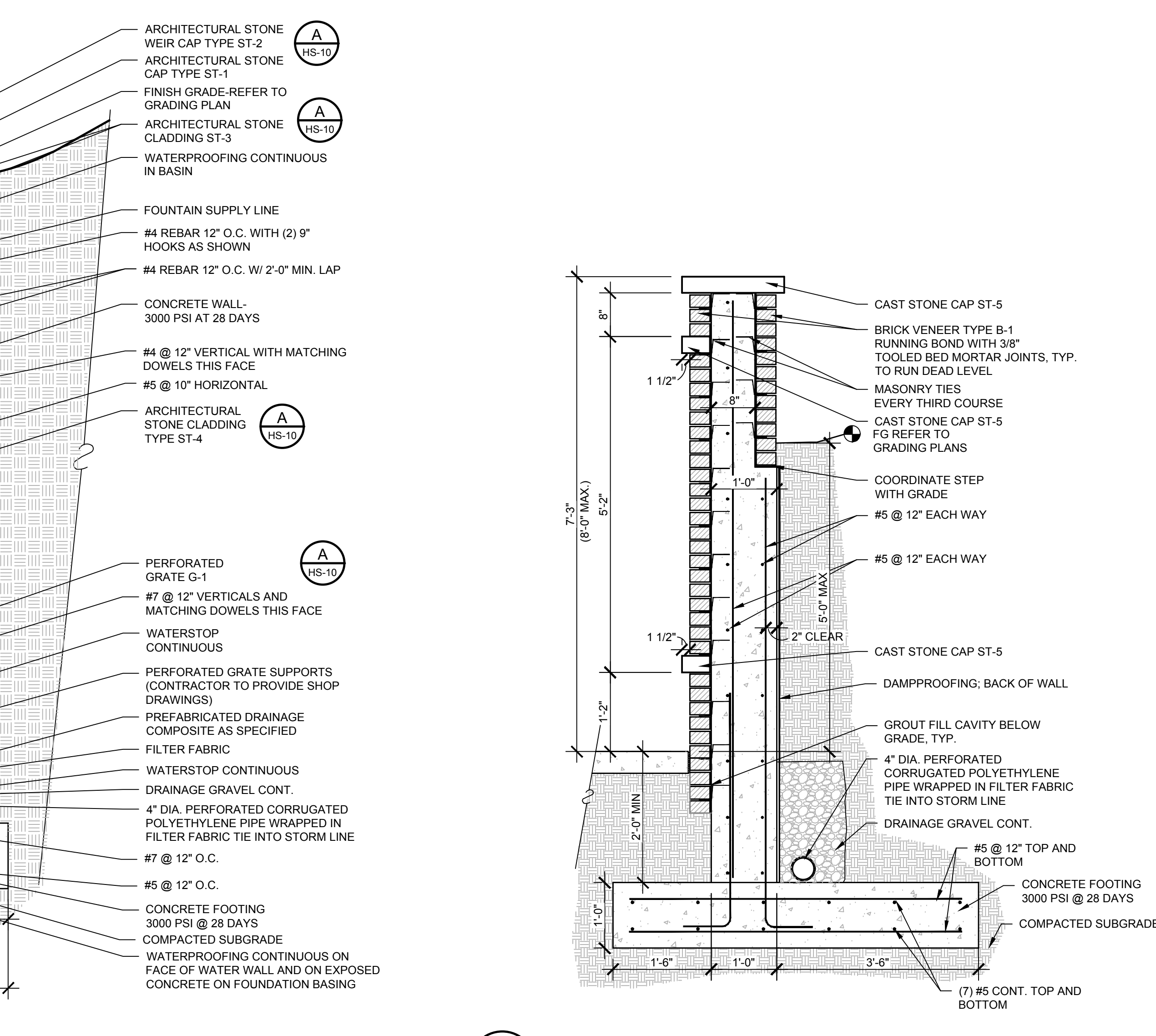
Last modified on 12/09/21 by MWNN
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A WATER WALL - UNFOLDED ELEVATION
 HS-8 SCALE: 1/4" = 1'-0"

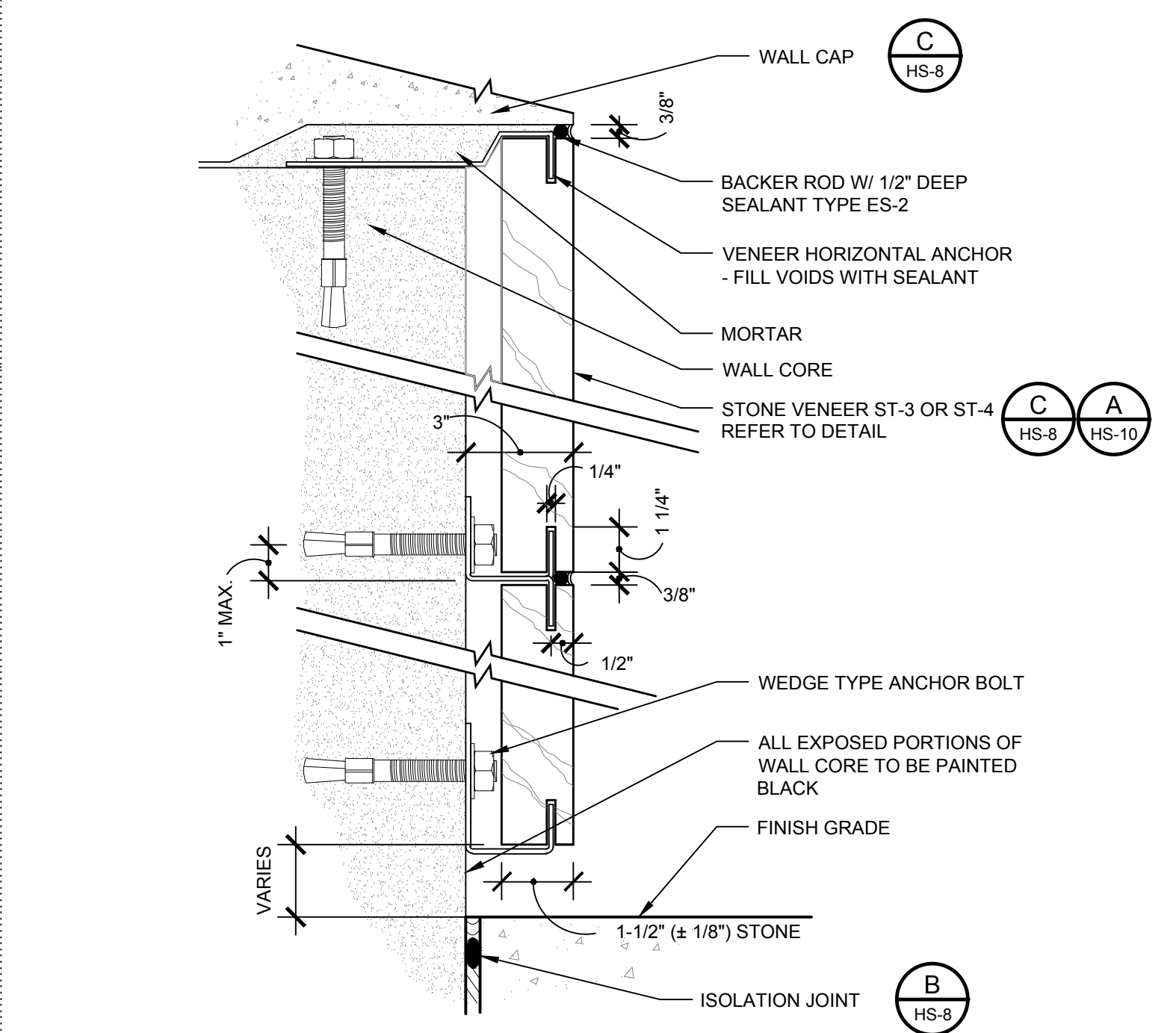


C WATERWALL AND FOUNTAIN BASIN - SECTION ELEVATION
 HS-8 SCALE: 3/4" = 1'-0"

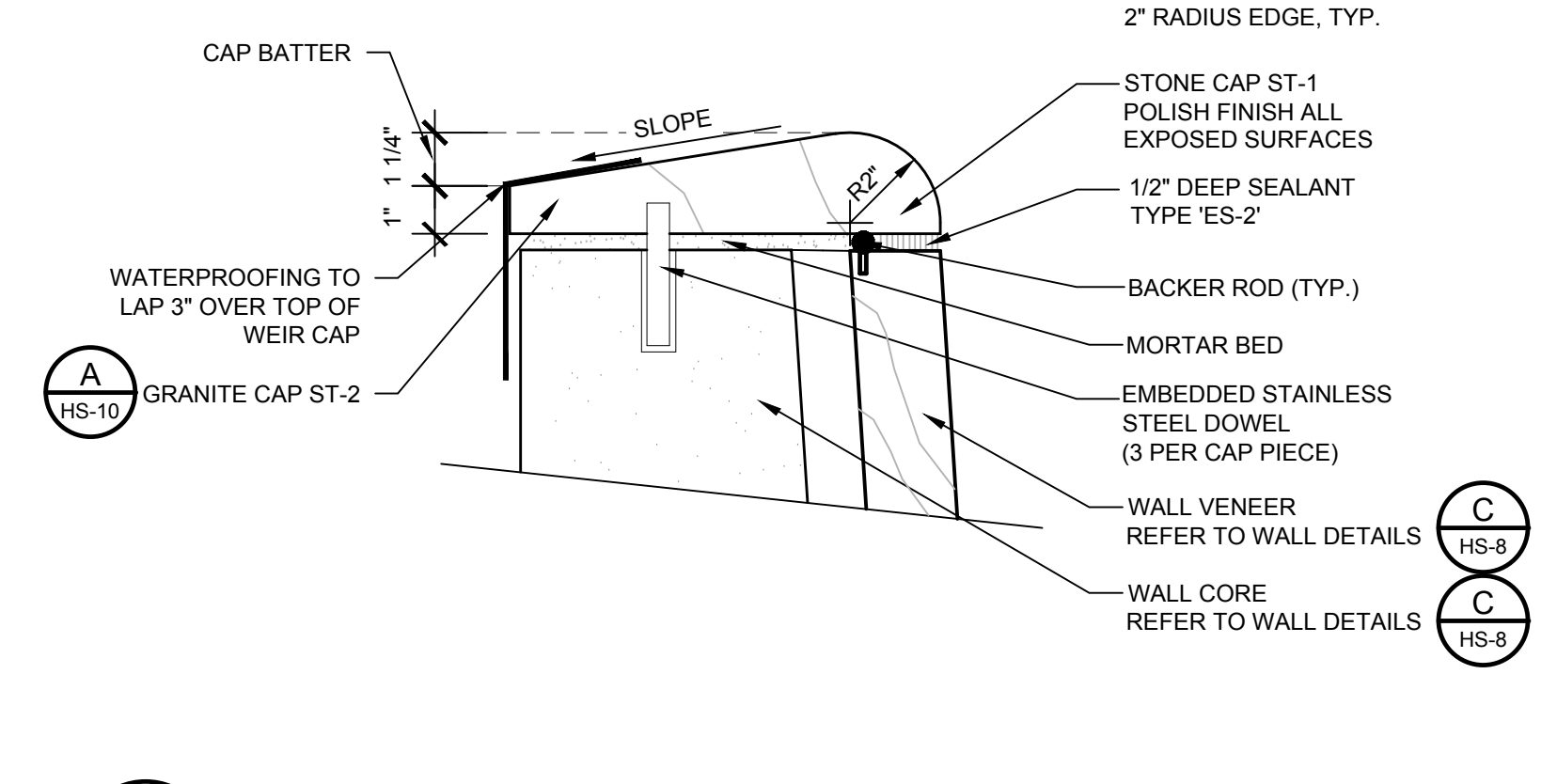


D BRICK VENEER RETAINING WALL 'K' - SECTION
 HS-8 SCALE: 3/4" = 1'-0"

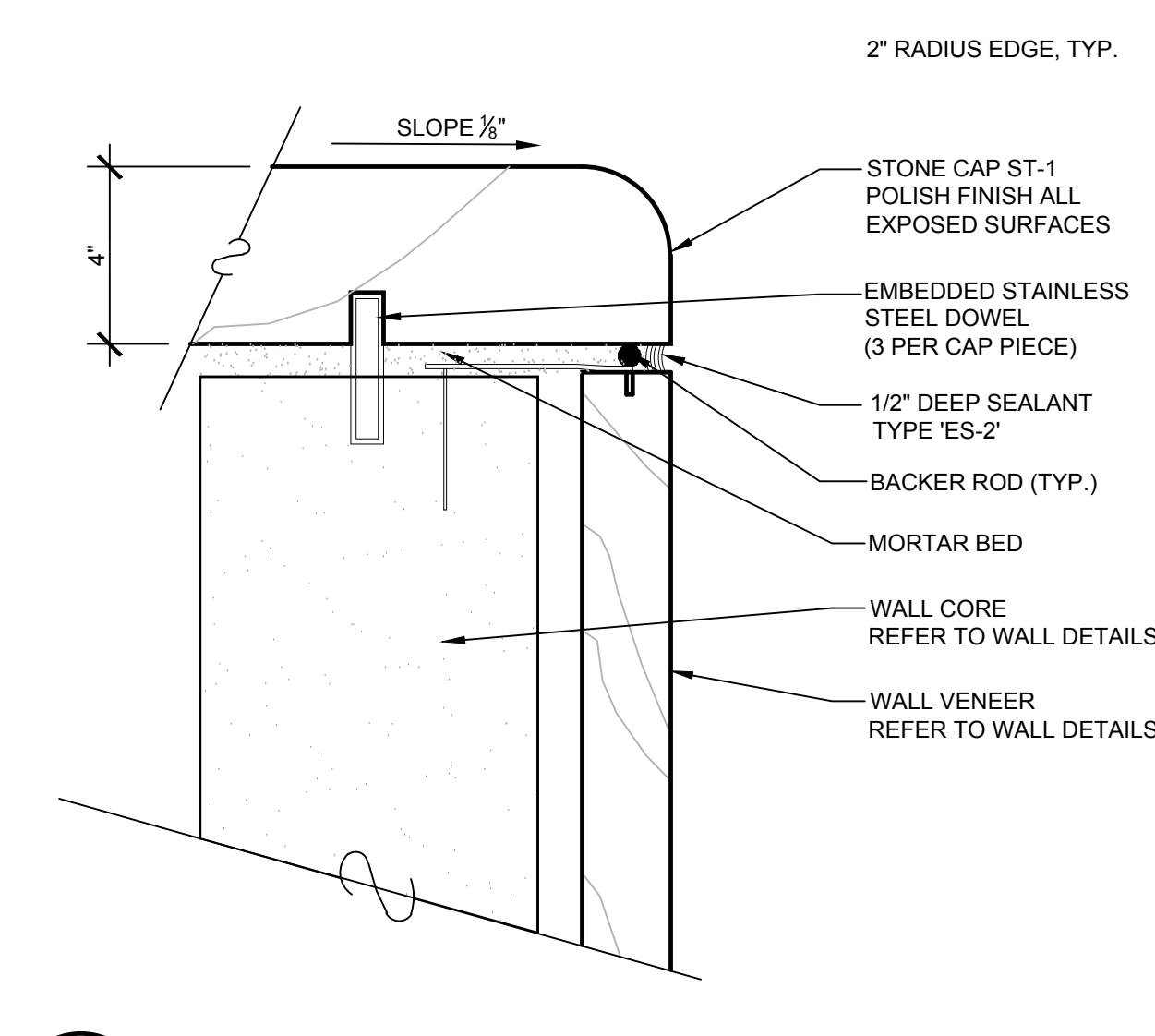
B WATERWALL COLUMN 'A' - SECTION
 HS-8 SCALE: 3/4" = 1'-0"



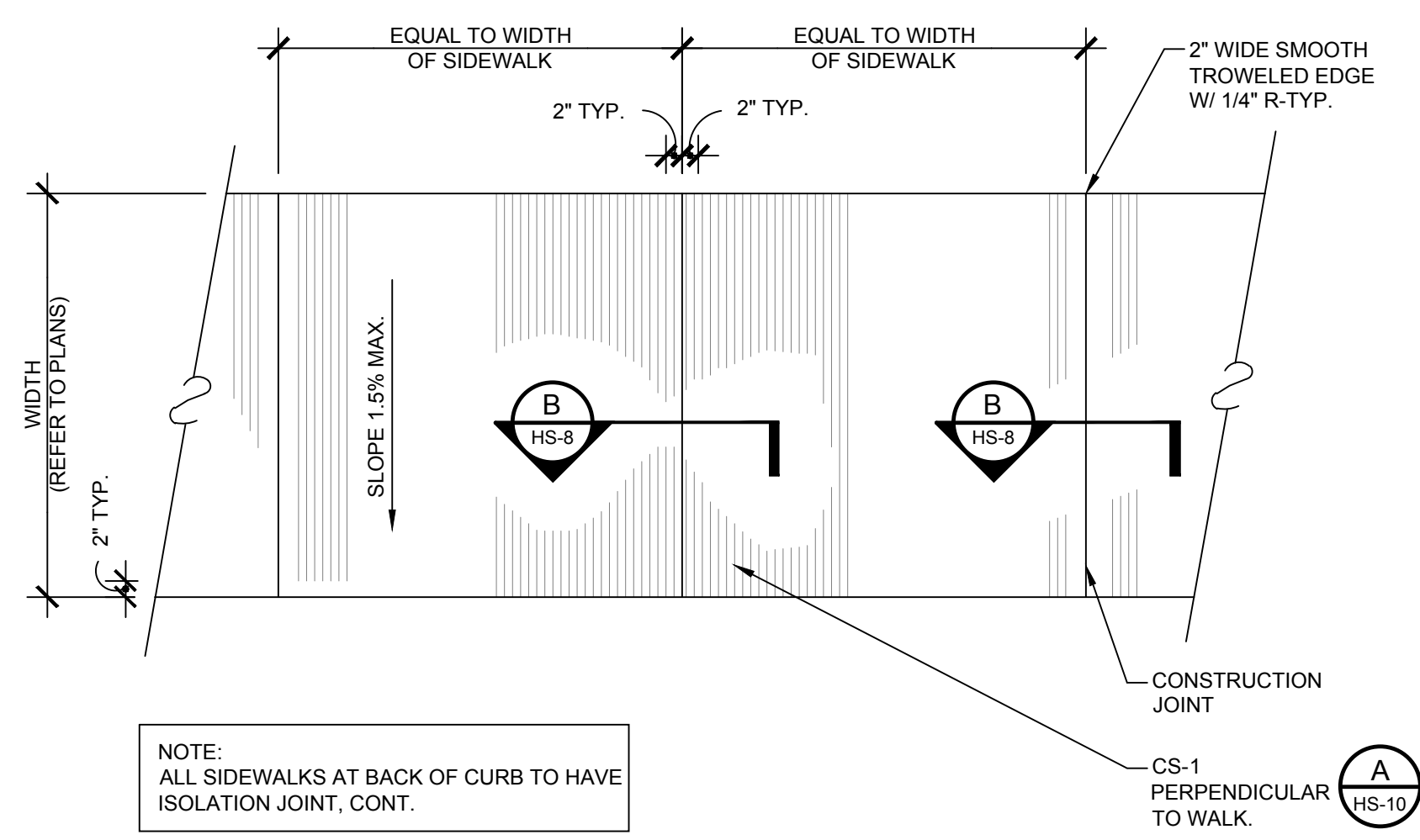
E VENEER SECTION
 HS-8 SCALE: 3" = 1'-0"



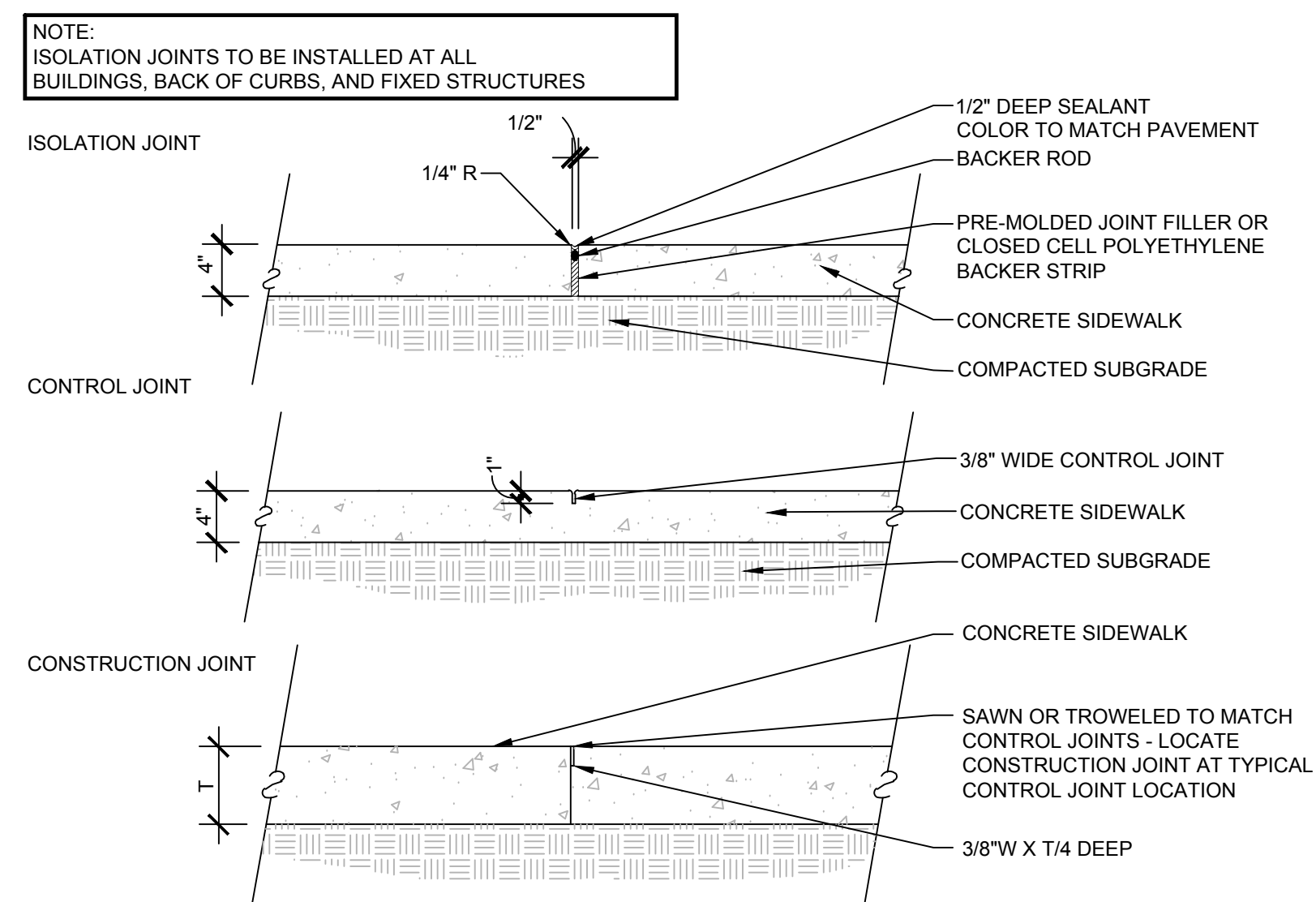
F WEIR CAP - SECTION
 HS-8 SCALE: 3" = 1'-0"



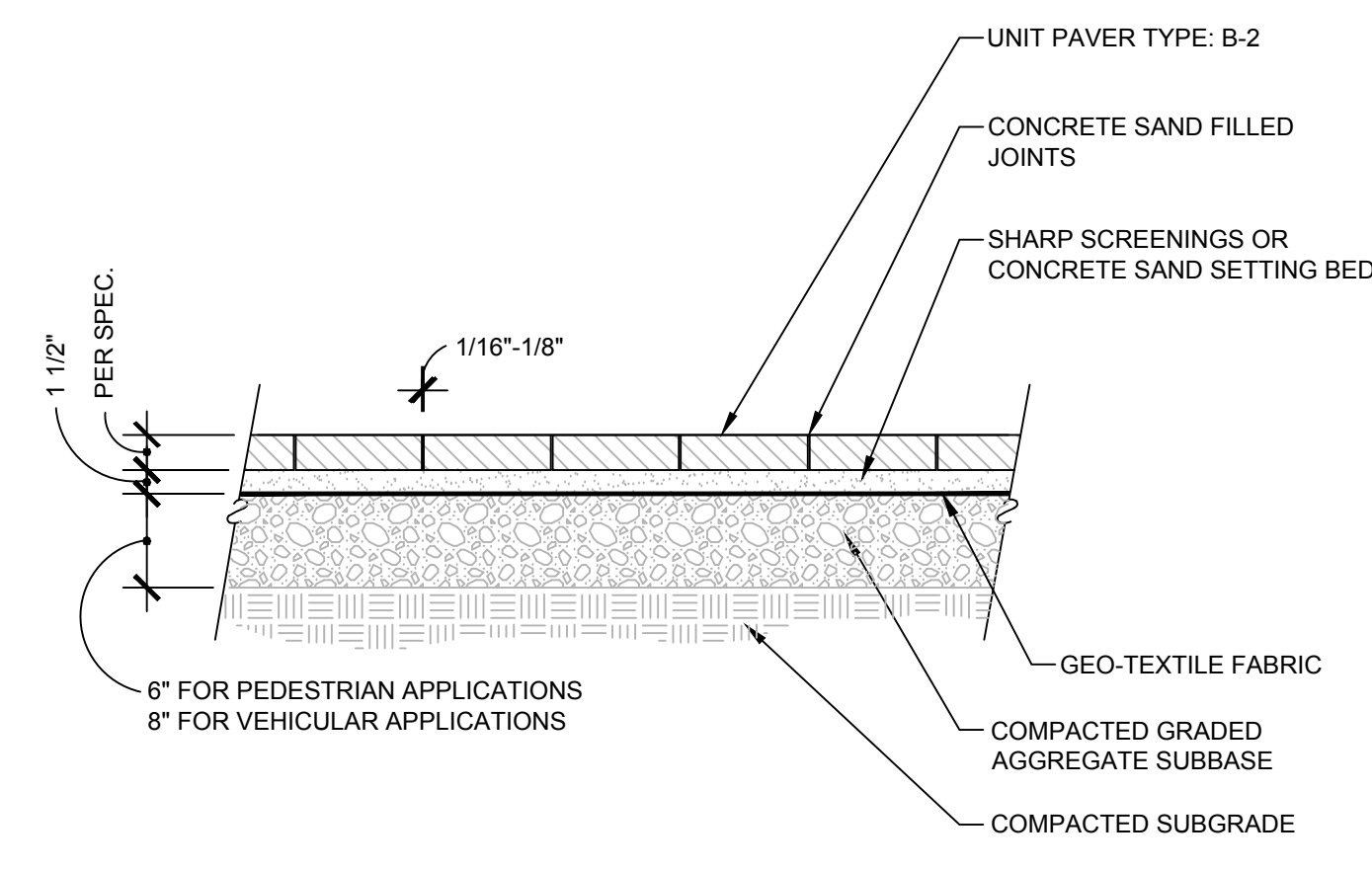
G WALL CAP - SECTION
 HS-8 SCALE: 3" = 1'-0"



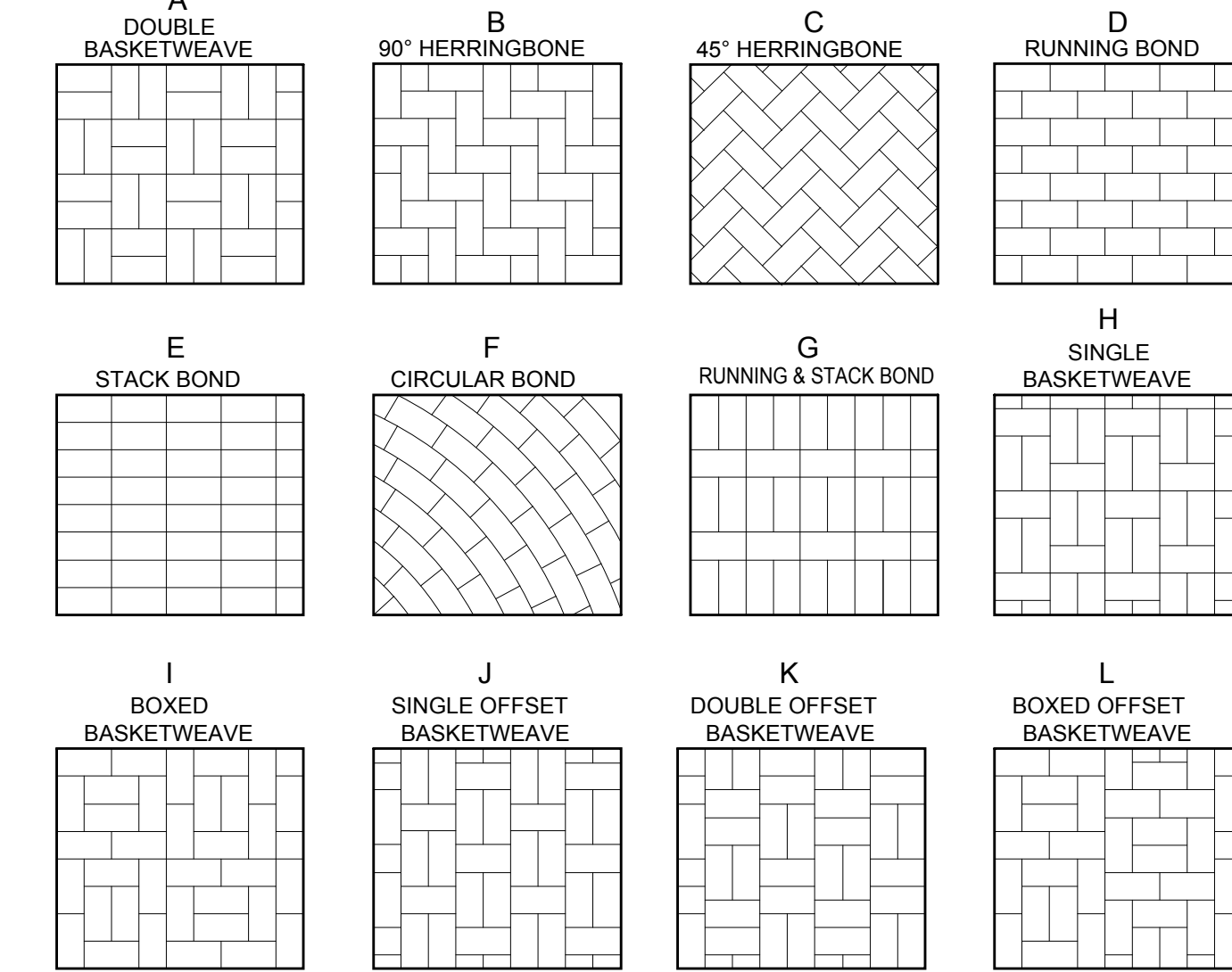
A CONCRETE SIDEWALK - PLAN
 HS-9 SCALE: 1/2"=1'-0"



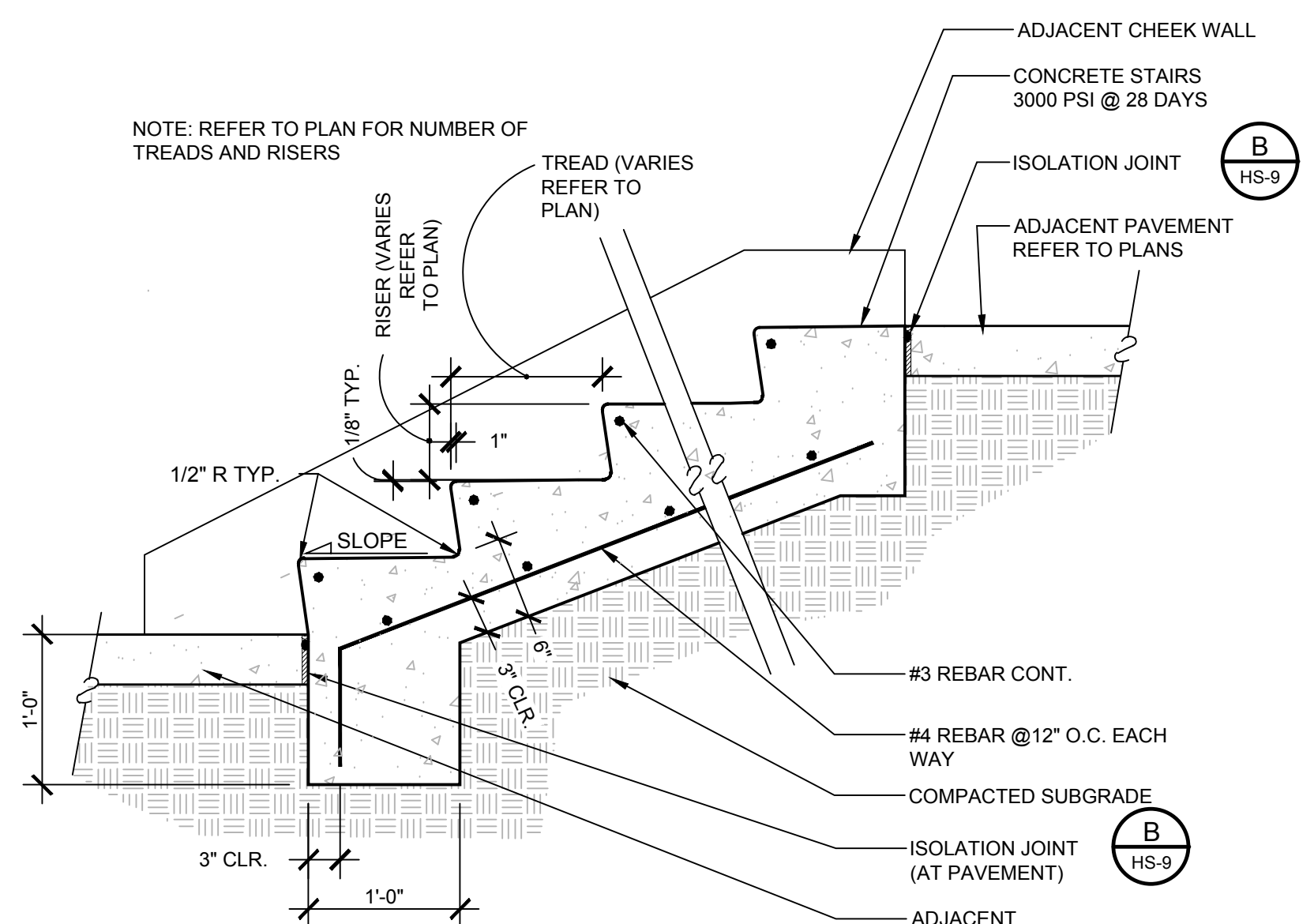
B PEDESTRIAN CONCRETE PAVEMENT ISOLATION, CONTROL & CONST. JOINT - SECTION
 HS-9 SCALE: 1"=1'-0"



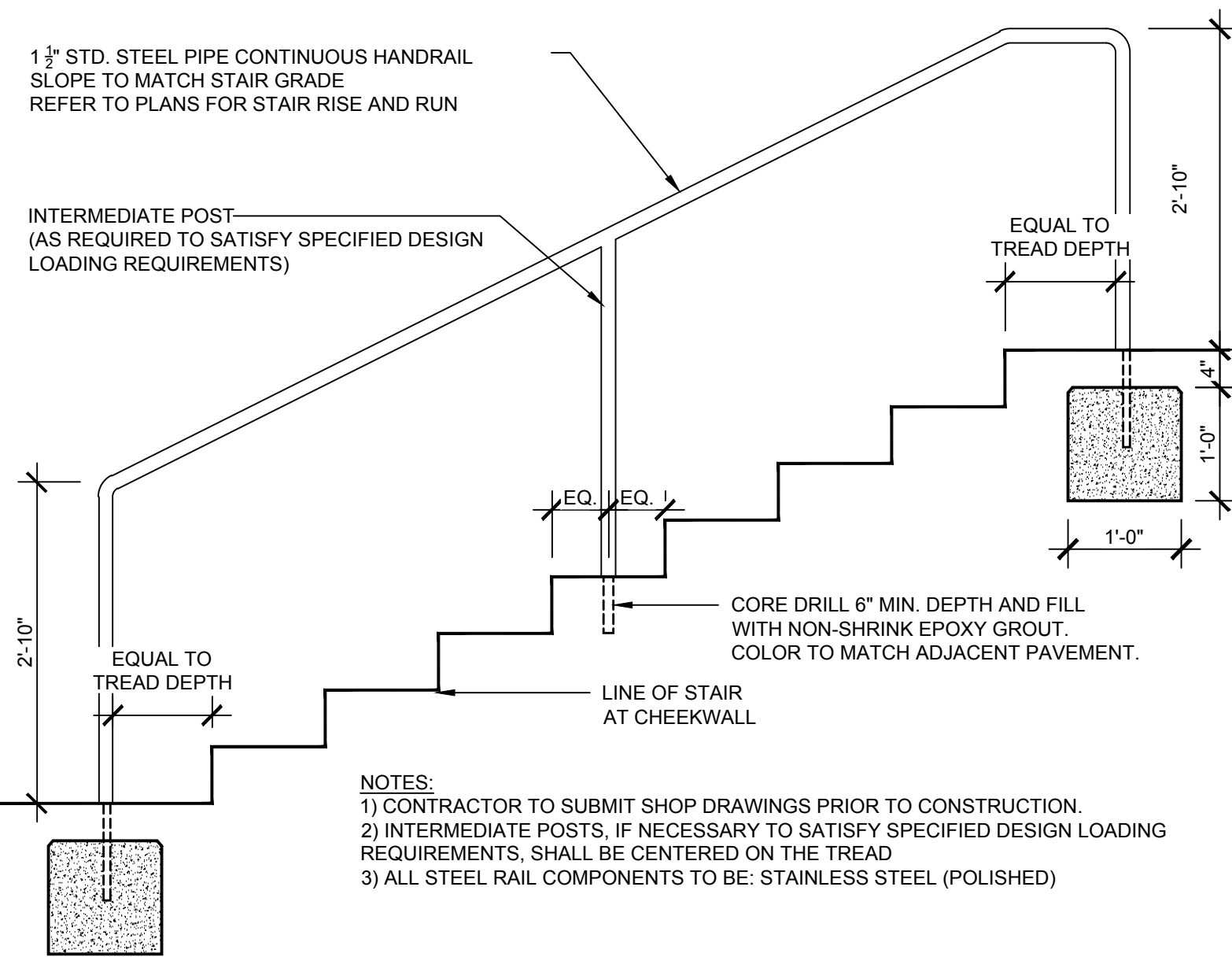
C UNIT PAVER WITH AGGREGATE BASE - SECTION
 HS-9 SCALE: 1"=1'-0"



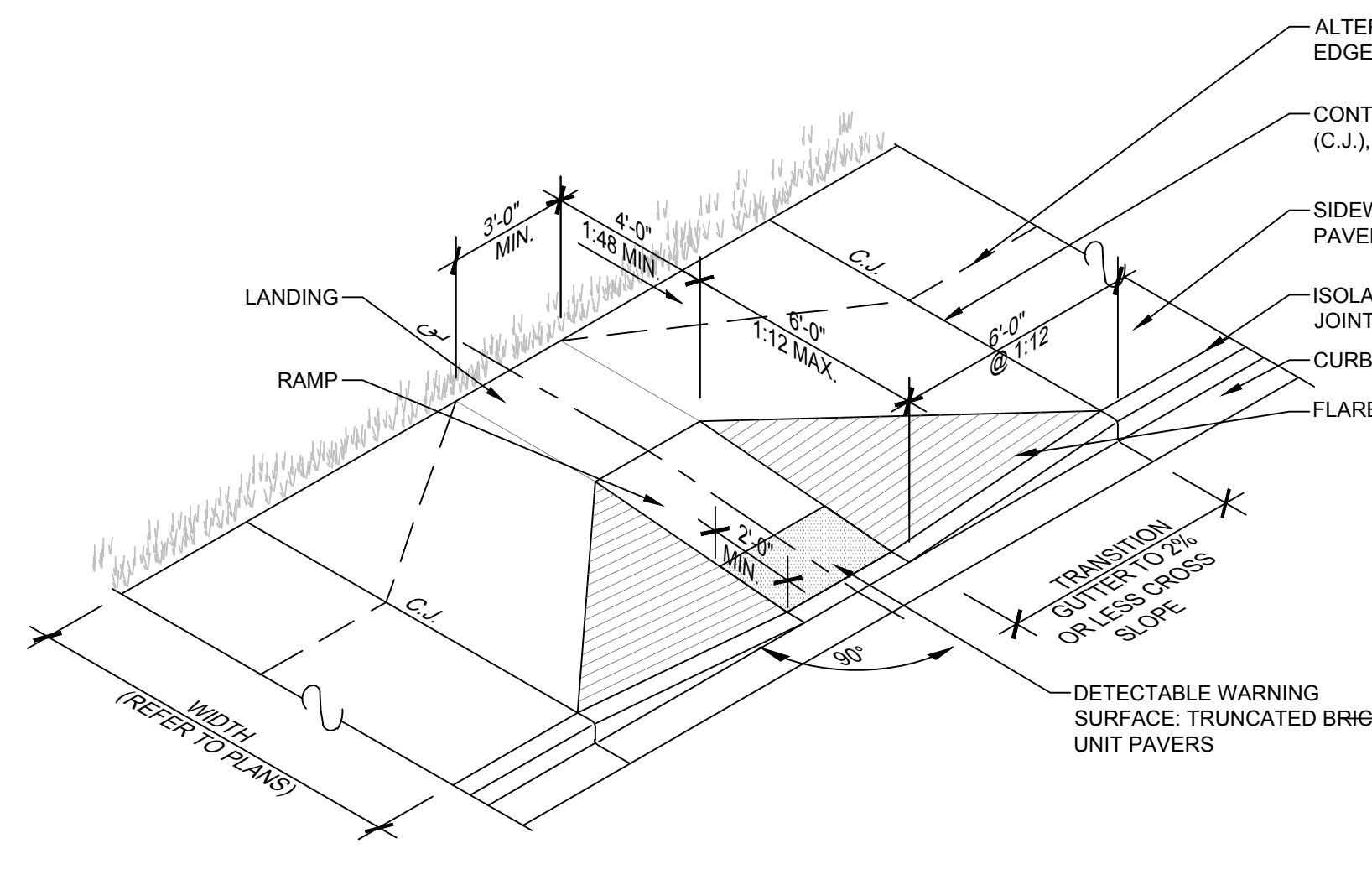
D UNIT PAVER PAVING PATTERNS - DETAIL
 HS-9 SCALE: 1/2"=1'-0"



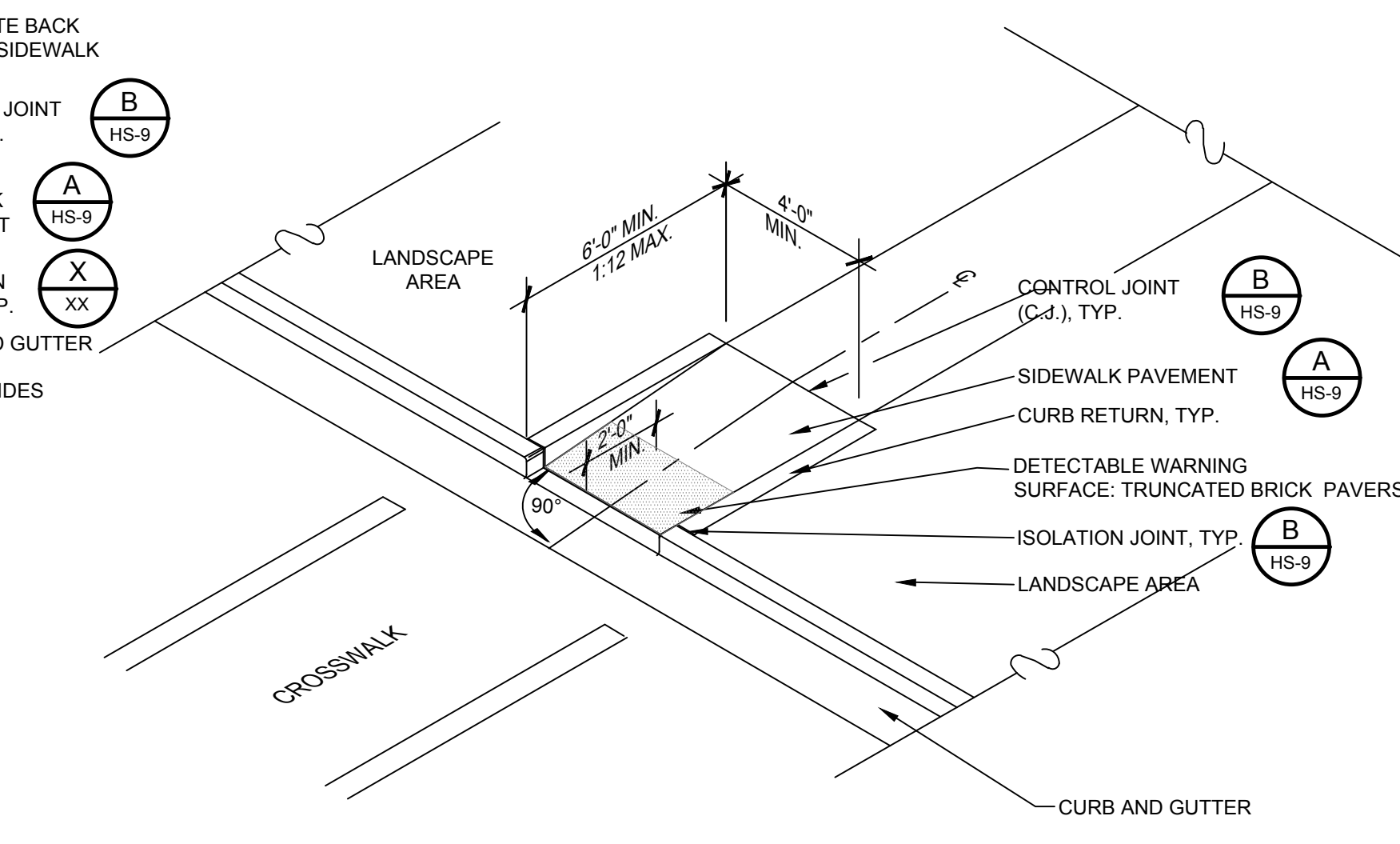
E CONCRETE STAIR - SECTION
 HS-9 SCALE: 1"=1'-0"



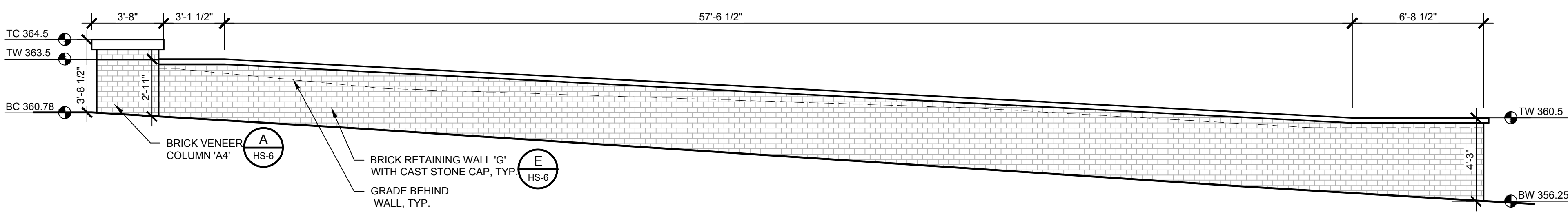
F STAIR HANDRAIL - ELEVATION
 HS-9 SCALE: 3/4"=1'-0"



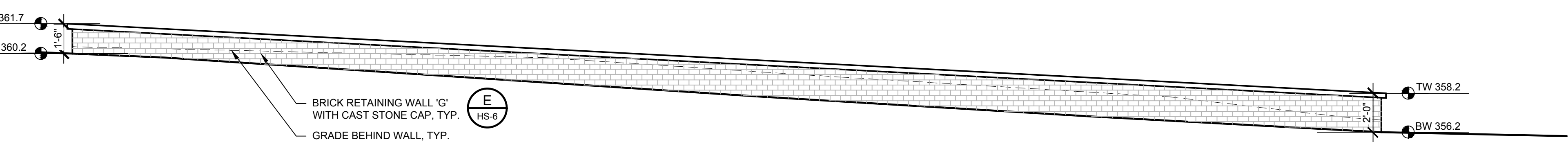
G HANDICAP RAMP 'A'
 HS-9 SCALE: N.T.S.



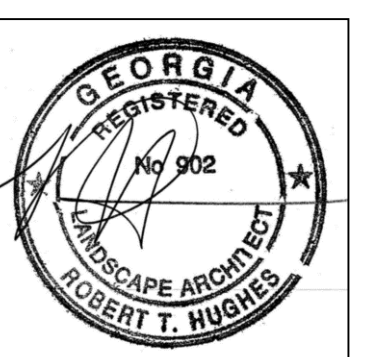
H HANDICAP RAMP 'B' - PERSPECTIVE
 HS-9 SCALE: N.T.S.



I WALL 'G' ELEVATION
 HS-9 SCALE: 1/4"=1'-0"



J WALL 'H' ELEVATION
 HS-9 SCALE: 1/4"=1'-0"



GENERAL STRUCTURAL NOTES

GN-1 DUTIES AND RESPONSIBILITIES
NO PROVISION OF ANY REFERENCED STANDARD, SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF THE OWNER, CONTRACTOR, ENGINEER, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS.

GN-2 CODE AND STANDARDS REFERENCES
REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION, OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAWING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.

GN-3 CONTRACT DOCUMENT CONFLICTS
1. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATION OF A.C.I., A.S.C., S.I. OR OTHER STANDARDS, WHERE A CONFLICT OCCURS WITHIN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENTS SHALL GOVERN.

GN-4 CONTRACT DOCUMENT CONTENT
CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.

GN-5 CONTRACTOR COORDINATION
1. CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, LANDSCAPE AND CIVIL DOCUMENTS (ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION. COORDINATION SHALL INCLUDE, BUT NOT BE LIMITED TO, EDGE OF SLAB DIMENSIONS, OPENING LOCATIONS AND DIMENSIONS, EXISTING SLAB LOCATIONS AND EXTENTS, SLAB SLOPES, CURB LOCATIONS, CMU WALL LOCATIONS, EXISTING DIMENSIONS, AND ELEVATIONS. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.

GN-6 MEANS AND METHODS
THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, AND SEQUENCES AS WELL AS COMPLIANCE WITH ALL OSHA SAFETY PRECAUTIONS AND REGULATIONS, AND PROCEDURES OF CONSTRUCTION DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON NOR ISSUE DIRECTION AS TO PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

GN-7 MATERIALS
ALL MATERIALS, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE AND SPECIFICATIONS.

GN-8 TEMPORARY GUYING AND BRACING
THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED.

GN-9 CONSTRUCTION LOADS
LOADING APPLIED TO THE STRUCTURE DURING THE PROCESS OF CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBERS. THE LIVE LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE INDICATED IN NOTES. DO NOT APPLY ANY CONSTRUCTION LOADS UNTIL STRUCTURAL FRAMING IS PROPERLY CONNECTED TOGETHER AND ALL TEMPORARY BRACING IS IN PLACE.

GN-10 TYPICAL DETAILS
DRAWINGS INDICATE TYPICAL DETAILS OF CONSTRUCTION. THESE DETAILS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE SIMILAR TO THOSE SPECIFICALLY DETAILED. THE APPLICABILITY OF THE DETAIL TO ITS LOCATION ON THE PLANS CAN BE DETERMINED BY THE TITLE OF THE DETAIL. SUCH DETAILS APPLY WHETHER OR NOT THEY ARE KEYS IN AT EACH LOCATION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OF CONSTRUCTION MAY BE USED, SUBJECT TO APPROVAL BY THE ENGINEER.

GN-11 STRUCTURAL SYSTEMS ERECTION
ALL STRUCTURAL SYSTEMS WHICH ARE TO BE COMPOSED OF COMPONENTS TO BE FIELD ERECTED SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE AND ERECTION IN ACCORDANCE WITH THE SUPPLIER'S INSTRUCTIONS AND REQUIREMENTS.

GN-12 SPECIAL INSPECTIONS
THE CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTOR AT LEAST 72 HOURS IN ADVANCE FOR WORK THAT WILL REQUIRE INSPECTION OR TESTING.

GN-13 CONTRACTOR SITE VISITS
CONTRACTORS SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.

DELEGATED DESIGN ITEMS

DD-1 THE CONTRACTOR SHALL EMPLOY OR RETAIN A PROFESSIONAL / STRUCTURAL ENGINEER LICENSED IN GEORGIA TO DESIGN AND DETAIL DELEGATED DESIGN ITEMS TO THE PERFORMANCE AND DESIGN CRITERIA ESTABLISHED AS PART OF THE BASE BUILDING STRUCTURE INDICATED IN THE CONTRACT DOCUMENTS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- STRUCTURAL STEEL CONNECTIONS
GUARDRAILS (HANDRAILS) AND THEIR CONNECTIONS
FABRIC SHADE SLABS AND CONNECTION HARDWARE TO STEEL STRUCTURE

DD-2 COMPLETE SHOP DRAWINGS FOR CONSTRUCTION OF EACH BUILDING COMPONENT NOT DESIGNED BY THE ENGINEER-OF-RECORD AND NOT SPECIFIED ON THE PROJECT CONSTRUCTION DOCUMENTS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA AND SHALL BE AVAILABLE AT THE JOB SITE AT THE TIMES OF INSPECTION.

DESIGN CRITERIA

DC-1 GENERAL BUILDING CODES
THE CONTRACT DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE FOLLOWING DESIGN CODE AND STANDARDS AND / OR CRITERIA:
2018 INTERNATIONAL BUILDING CODE AND ADOPTED GEORGIA STATE AMENDMENTS
CONCRETE ACI 318-14
MASONRY TMS 402-16
STRUCTURAL STEEL AISC 360-10 (15TH EDITION)

DC-3 LIVE LOADS
GRAVITY LIVE LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:
UNIFORM LOAD (PSF) CONCENTRATED LOAD (LB)
CATEGORY 20 N/A
FABRIC SHADE 20

DC-4 SNOW LOAD CRITERIA
P_s GROUND SNOW LOAD 5 PSF

DC-5 LATERAL FORCE RESISTING SYSTEM
1. THE ABILITY OF THE STRUCTURAL FRAME TO RESIST LATERAL LOADS AND PROVIDE STABILITY UNDER GRAVITY LOADS DERIVES FROM THE COMPLETE INSTALLATION OF THE LATERAL FORCE RESISTING SYSTEM(S) AND DIAPHRAGMS (DESCRIBED BELOW). IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE ALL TEMPORARY BRACING REQUIRED TO MAINTAIN THE STABILITY AND SAFETY OF ALL ELEMENTS DURING THE CONSTRUCTION PROCESS UNTIL ALL OF THE LATERAL LOAD RESISTING ELEMENTS ARE COMPLETELY INSTALLED AND ALL DESIGNATED CONCRETE ELEMENTS (IF ANY) HAVE REACHED A MINIMUM OF 75% OF THEIR DESIGN STRENGTH.

3. SEISMIC DESIGN CRITERIA
DESIGN SEISMIC CRITERIA USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:
RISK CATEGORY II
I, SEISMIC IMPORTANCE FACTOR 1.00
S_s, 0.2 SEC. SPECTRAL ACCELERATION (%G) 0.185
S_1, 1 SEC. SPECTRAL ACCELERATION (%G) 0.077
D, ASSUMED 0
F_s, SITE COEFFICIENT, SHORT PERIOD 1.6
F_v, SITE COEFFICIENT, 1 SECOND PERIOD 2.4
C_e, SPECTRAL RESPONSE ACCELERATION PARAMETER (SHORT PERIOD) 0.124
S_s01, SPECTRAL RESPONSE ACCELERATION PARAMETER (1 SECOND PERIOD) 0.197
SEISMIC DESIGN CATEGORY B
BASIC SEISMIC FORCE RESISTING SYSTEM:
R, RESPONSE MODIFICATION FACTOR 1.25
SYSTEM OVERSTRENGTH FACTOR 1.25
C_s, SEISMIC RESPONSE COEFFICIENT 0.158
DESIGN BASE SHEAR (CANOPY STRUCTURE) 40 KIPS

DC-6 NO PROVISIONS HAVE BEEN MADE FOR FUTURE HORIZONTAL OR VERTICAL EXPANSION.

FOUNDATION NOTES

FD-1 GEOTECHNICAL REPORT
FOUNDATION DESIGN IS BASED ON RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY GEC - A TERRACON COMPANY DATED OCTOBER 27, 2021 (GEC PROJECT NO. HN215178) WHICH IS AVAILABLE TO THE GENERAL CONTRACTOR UPON REQUEST TO THE OWNER. THE DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT FROM THOSE ASSUMED FOR DESIGN NOR THE ACCURACY OR APPLICABILITY OF SUCH DATA. DATA CONCERNING SUBSURFACE MATERIALS OR CONDITIONS WHICH ARE BASED UPON SOUNDINGS, TESTS, BORINGS, OR OTHER MEANS HAVE BEEN OBTAINED BY THE DESIGN PROFESSIONAL FOR USE IN DESIGNING THE STRUCTURE. THE ACCURACY OR COMPLETENESS OF THE DATA IS NOT GUARANTEED, AND THEREFORE, THE CONSTRUCTION PROFESSIONAL SHALL NOT RELY ON THIS INFORMATION WITHOUT INDEPENDENT VERIFICATION. THE CONSTRUCTION PROFESSIONAL WILL NOT BE RESPONSIBLE IN ANY WAY FOR ADDITIONAL COMPENSATION EXCEPT AS PROVIDED IN THE GENERAL REQUIREMENTS SECTION - CHANGES DUE TO SUBSURFACE OR OTHER UNFORESEEN CONDITIONS.

FD-2 FOUNDATION COORDINATION
PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH ANY EXISTING UTILITIES. ARCHITECT / STRUCTURAL ENGINEER SHALL BE NOTIFIED AND APPROVAL OBTAINED BEFORE FOOTINGS ARE TO BE LOWERED WHERE REQUIRED TO AVOID UTILITIES.

FD-3 FOUNDATION CONDITION DISCREPANCIES
FOUNDATION CONDITIONS NOTED DURING CONSTRUCTION WHICH DIFFER FROM THOSE DESCRIBED IN THE GEOTECHNICAL REPORT SHALL BE REPORTED TO THE ARCHITECT, STRUCTURAL ENGINEER, AND GEOTECHNICAL ENGINEER BEFORE FURTHER CONSTRUCTION IS ATTEMPTED. STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR DIFFERENTIAL SETTLEMENT, SLAB CRACKING, OR OTHER FUTURE DEFECTS RESULTING FROM UNREPORTED CONDITIONS.

FD-4 SUBGRADE PREPARATION
1. THE CONTRACTOR SHALL PERFORM EXCAVATIONS, FOOTING CONSTRUCTION, AND PREPARATION OF THE SUBGRADE UNDER THE SLAB ON GRADE IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT AND THE PROJECT SPECIFICATIONS.

1. WIND LOADS
WIND PRESSURES ARE BASED ON THE AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7-16. DESIGN WIND LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:
WIND SPEED, V 107 MPH
EXPOSURE CATEGORY II
RISK CATEGORY II
SEE SHEET S-01 FOR COMPONENTS AND CLADDING PRESSURES

2. ALL FOOTINGS (SPREAD FOOTINGS AND CONTINUOUS FOOTINGS) SHALL BEAR ON MATERIAL CAPABLE OF SUPPORTING THE SPECIFIED DESIGN BEARING NET PRESSURES:
SPREAD FOOTINGS 2,000 PSF
CONTINUOUS FOOTINGS 2,000 PSF
THE CENTERLINE OF COLUMN FOUNDATIONS SHALL BE LOCATED ON COLUMN CENTERLINES U.N.O. 4. DO NOT EMBED PIPING WITHIN OR PASS PIPING VERTICALLY OR HORIZONTALLY THROUGH ISOLATED OR CONTINUOUS FOOTINGS.

FD-5 CONCRETE FOOTINGS
1. TOP OF FOOTING ELEVATION SHALL BE AS SHOWN ON THE FOUNDATION PLAN. THESE ELEVATIONS ARE A MAXIMUM SHALL BE LOWERED AS REQUIRED TO OBTAIN THE REQUIRED DESIGN BEARING PRESSURE.

5. DO NOT SCALE FOUNDATIONS ON PLAN. CONTACT DESIGN PROFESSIONAL WITH ANY QUESTIONS CONCERNING FOUNDATION SIZES AND / OR REINFORCEMENT PRIOR TO PRIORS OF DOCUMENTS.

STRUCTURAL STEEL

SS-1 STRUCTURAL STEEL SPECIFICATION
1. STEEL FABRICATORS SHALL BE AN AISC CERTIFIED SHOP AND MAINTAIN DETAILED QUALITY CONTROL PROCEDURES AS REQUIRED TO SATISFY THE SPECIAL INSPECTION REQUIREMENTS.

SS-2 STRUCTURAL DESIGN
1. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. HAVE BEEN DESIGNED FOR THE FINAL COMPLETED CONDITION AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

SS-3 CONNECTIONS
1. CONNECTIONS NOT COMPLETELY DETAILED ON THE DRAWINGS INCLUDING MATERIAL GRADE AND SIZES, WELD SIZES, AND NUMBER OF BOLTS SHALL BE DESIGNED BY THE CONTRACTOR PER THE SPECIFICATIONS, THE DETECTING ARRANGEMENT CONCEPT OF THE CONNECTION WITHOUT DETAILING DETAILS SHALL BE DESIGNED WITH THAT ARRANGEMENT CONCEPT. THIS DESIGN SERVICE SHALL BE INCLUDED IN THE CONTRACTORS SCOPE OF SERVICES.

SS-4 STRUCTURAL BOLTS, FASTENERS, ANCHOR RODS, AND HEADED STUDS
1. ALL BOLTS IN STRUCTURAL CONNECTIONS SHALL CONFORM TO ASTM F3125 (FORMERLY ASTM A325), HAVE A MINIMUM DIAMETER OF 3/4" AND BE A SHEAR BEARING TYPE BOLT "SLUG-TIGHT" U.N.O. 2. ELECTRODES FOR GRADE 80 OR GRADE 85 MATERIAL SHALL CONFORM TO E80XX (ASTM), F80X-XX (SAW), E80XS (GBAW), OR E82X-X (FGAW).

SS-5 WELDING
1. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1:15 STRUCTURAL WELDING CODE BY THE AMERICAN WELDING SOCIETY. USE 70XX (GBAW), F7XX-EXXX (SAW), E70XS-X (GBAW), OR E72-X (FGAW) ELECTRODES. WELDING STEEL ELECTRODES SHALL CONFORM TO THE REQUIREMENTS OF THE AWS/D1.1:15 MANU. U.N.O.

SS-6 GROUT
GROUT BELOW STRUCTURAL STEEL PLATES SHALL BE A NON-METALLIC, NON-SHRINK GROUT WITH A MINIMUM STRENGTH OF 6000 PSI WHEN BEARING ON 3000 PSI CONCRETE OR LESS, A STRENGTH OF 8000 PSI WHEN BEARING ON CONCRETE BETWEEN 3000 AND 4000 PSI AND A STRENGTH OF 10000 PSI WHEN BEARING ON CONCRETE GREATER THAN 4000 PSI, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

SS-8 ERECTION
1. ALL HOLES IN STEEL SHALL BE DRILLED OR PUNCHED WITH SLOTTED HOLES HAVING SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.

HANDRAILS AND GUARDRAILS

SR-1 HANDRAILS AND GUARDRAILS SHALL BE DESIGNED FOR THE REQUIREMENTS OF 1607.7 OF THE REFERENCED BUILDING CODE. HANDRAILS & SUPPORTING STRUCTURE SHALL BE CAPABLE OF WITHSTANDING A 200 LB POINT LOAD OR 50 LB/FT LINE LOAD APPLIED IN ANY DIRECTION AT ANY POINT ON THE RAIL AND TO THE REQUIREMENTS OF THE REFERENCED BUILDING CODE.

SR-2 COMPLETE SHOP DRAWINGS FOR CONSTRUCTION OF HANDRAILS, AND GUARDRAILS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN GEORGIA AND SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION.

SR-3 STEEL OVERAGE ALLOWANCE
PROVIDE FOR AN ALLOWANCE OF 5% OF TOTAL REINFORCING STEEL FOR THE PROJECT TO BE DETAILED, FABRICATED, AND PLACED DURING PROGRESS OF WORK AS MAY BE DIRECTED BY THE STRUCTURAL ENGINEER IN ADDITION TO REINFORCING STEEL INDICATED ON THE DRAWINGS. CREDIT THE OWNER ANY UNUSED QUANTITY AT THE END OF THE PROJECT.

SUBMITTALS

SB-1 SUBMITTALS
1. SUBMIT SHOP DRAWINGS AND OTHER ITEMS WHICH ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS AND CONNECTIONS SHOWN IN THE CONTRACT DOCUMENTS TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. WRITTEN PERMISSION MUST BE OBTAINED FROM SYKES CONSULTING, INC. PRIOR TO THE REPRODUCTIVE USE OF STRUCTURAL DRAWINGS IN ANY FASHION FOR SHOP DRAWINGS. ELECTRONIC DRAWING FILES WILL NOT BE PROVIDED TO THE CONTRACTOR.

SB-2 SHOP DRAWING LIST
THE CONTRACTOR SHALL PREPARE A DETAILED LIST AND SCHEDULE OF ALL SUBMITTAL ITEMS TO BE SENT TO THE ENGINEER PRIOR TO START OF CONSTRUCTION. THIS LIST SHALL BE UPDATED, REVISIONED, AND KEPT CURRENT AS THE JOB PROGRESSES. THE SUBMITTAL LIST SHALL BE ORGANIZED AS SHOWN BELOW:

SB-3 SUBMITTAL PACKAGES
AS A MINIMUM, SUBMIT THE FOLLOWING ITEMS FOR REVIEW:
A. CONCRETE MIX DESIGNS. (1)
B. CONSTRUCTION JOINT LOCATIONS IN STRUCTURAL FLOORS, WALLS, AND SLABS-ON-GRADE. (2)
C. EMBEDDED FASTENERS OR ITEMS ATTACHED (PLATES, BOLTS, ANGLES, ETC.) TO THE STRUCTURAL FRAME INCLUDING BUILDING CLADDING ATTACHMENTS. (2)
D. FORMWORK, SHORING, AND BACKSUPPORTING. (1/2)(3)
E. REINFORCING STEEL SHOP DRAWINGS. (1)
F. STRUCTURAL STEEL SHOP AND ERECTION DRAWINGS. (1)
G. STRUCTURAL STEEL CONNECTION CALCULATIONS. (3) (NOTE: CONNECTION CALCULATIONS TO BE SUBMITTED TO THE STATE OF GEORGIA AND GET APPROVAL FROM THE ENGINEER OF RECORD PRIOR TO THE SUBMITTAL. SEE SUBMITTAL REQUIREMENTS) AND SHALL BE AVAILABLE AT THE JOB SITE DURING THE TIME OF INSPECTION.

SB-4 SUBMITTAL DESIGNATION NOTES
(1) ITEMS SHALL HAVE SHOP DRAWINGS BEARING THE SIGNED AND DATED SEAL OF A LICENSED ENGINEER IN GEORGIA.
(2) SUBMIT TO ENGINEER FOR OWNERS RECORD ONLY AND WILL NOT HAVE THE ENGINEERS SHOP DRAWING STAMP AFFIXED.
(3) SUBMIT DESIGN CALCULATIONS BEARING THE SIGNED AND DATED SEAL OF A LICENSED ENGINEER IN GEORGIA.

SPECIAL INSPECTIONS

SI-1 THE FOLLOWING STRUCTURAL ITEMS REQUIRE SPECIAL TESTING AND/OR INSPECTIONS:
SECTION 03110 CONCRETE FORMING
SECTION 03200 CONCRETE REINFORCING
SECTION 03300 CAST-IN-PLACE CONCRETE
SECTION 05120 STRUCTURAL STEEL

SI-2 SPECIAL INSPECTION REPORTS AND FINAL REPORT IN ACCORDANCE WITH IBC SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF WORK IS APPROVED FOR OCCUPANCY.

DRAWING INTERPRETATION

D-I DRAWING ABBREVIATIONS
THE FOLLOWING ABBREVIATIONS ARE USED ON THE STRUCTURAL DRAWINGS:

Table with 4 columns: Symbol, Abbreviation, Description, and Notes. Includes symbols like @, &, AN, AR, AHU, ALT, ANCH, APPROX, ARCH, ARCHBLD, BLDG, BM (S), B, BOT, BRDG, BRG, BTWN, C, CAN, CIP, C.J, CJP, CL, CLR, CMU, COL, COMP, CONC, CONN (S), CONST, CORR, CTR (S), DBA, DBL, DET, DIA, DWA, EA, E, EL, ELEV, EMBED, ENGR, EQ, EQUIP, EQUIV, EXP, EXT, FAB, FC, FD, FDN, FIN, FL, FS, FTS, FUT, FY, GALV, GEN, GNR, HSA, HSS, INT, JT, K, KSF, KSI, L, L-ANGLE.

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PROJECT TITLE: ROSA PARKS SQUARE RENOVATION PROJECT

PROJECT NO: 21026
DESIGNED BY: DB
CHECKED BY: EN
DRAWN BY: EN

ISSUE AND DATE: November 11, 2021
CONSTRUCTION DOCUMENTS

REVISIONS: NO. DATE DESCRIPTION

Table with 4 columns: Symbol, Abbreviation, Description, and Notes. Includes symbols like REIN, REM, REQ, REV, RTU, SC, SCHED, SECT, SH, SMLR, ST, STR, STRC, THRD, T.O., TR, TYP, U.N.O., VERT, W, WGT, WP, WRT, WS, XX-STR, XX-STR.

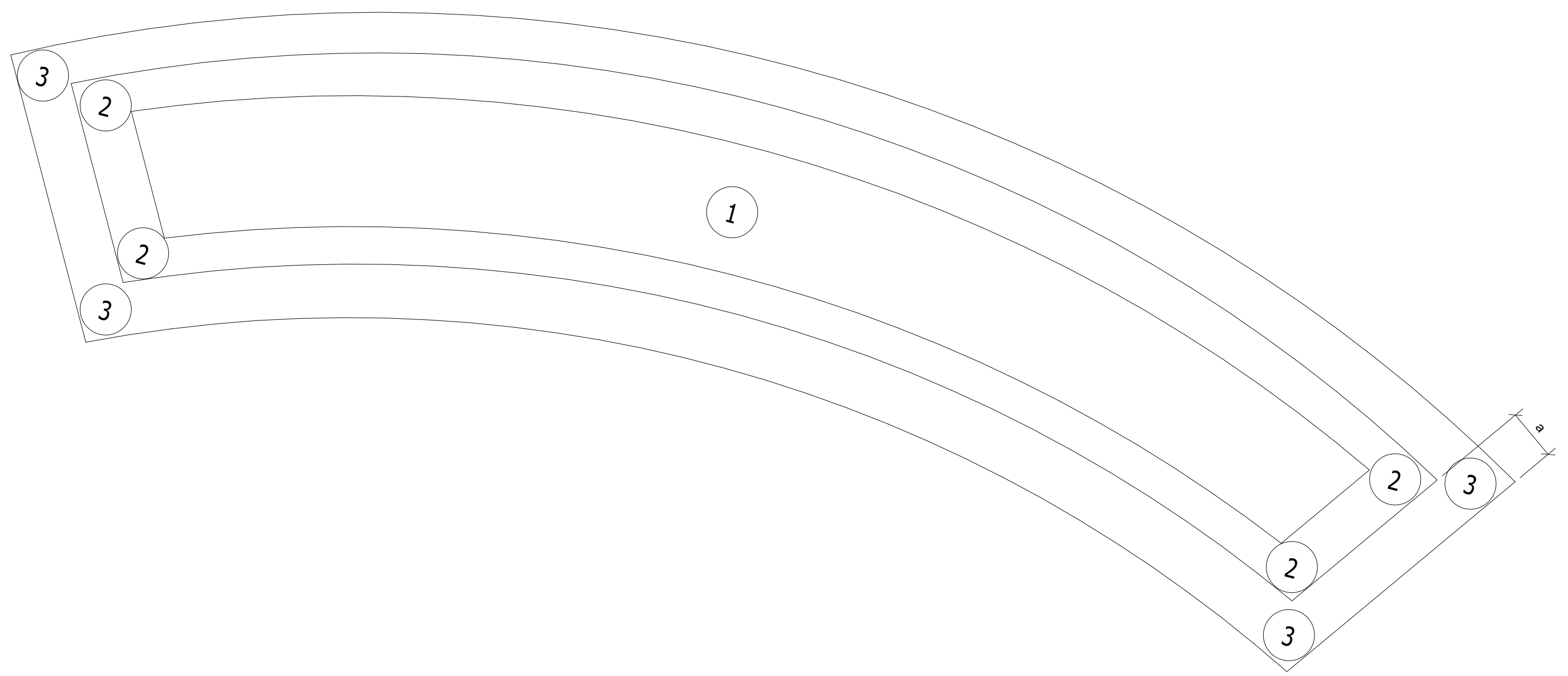
GEORGIA REGISTERED PROFESSIONAL ENGINEER logo for DARRIN M. SYKES, No. 47140, Exp. 11/2021

SHEET TITLE: GENERAL NOTES
SHEET NO: S-001

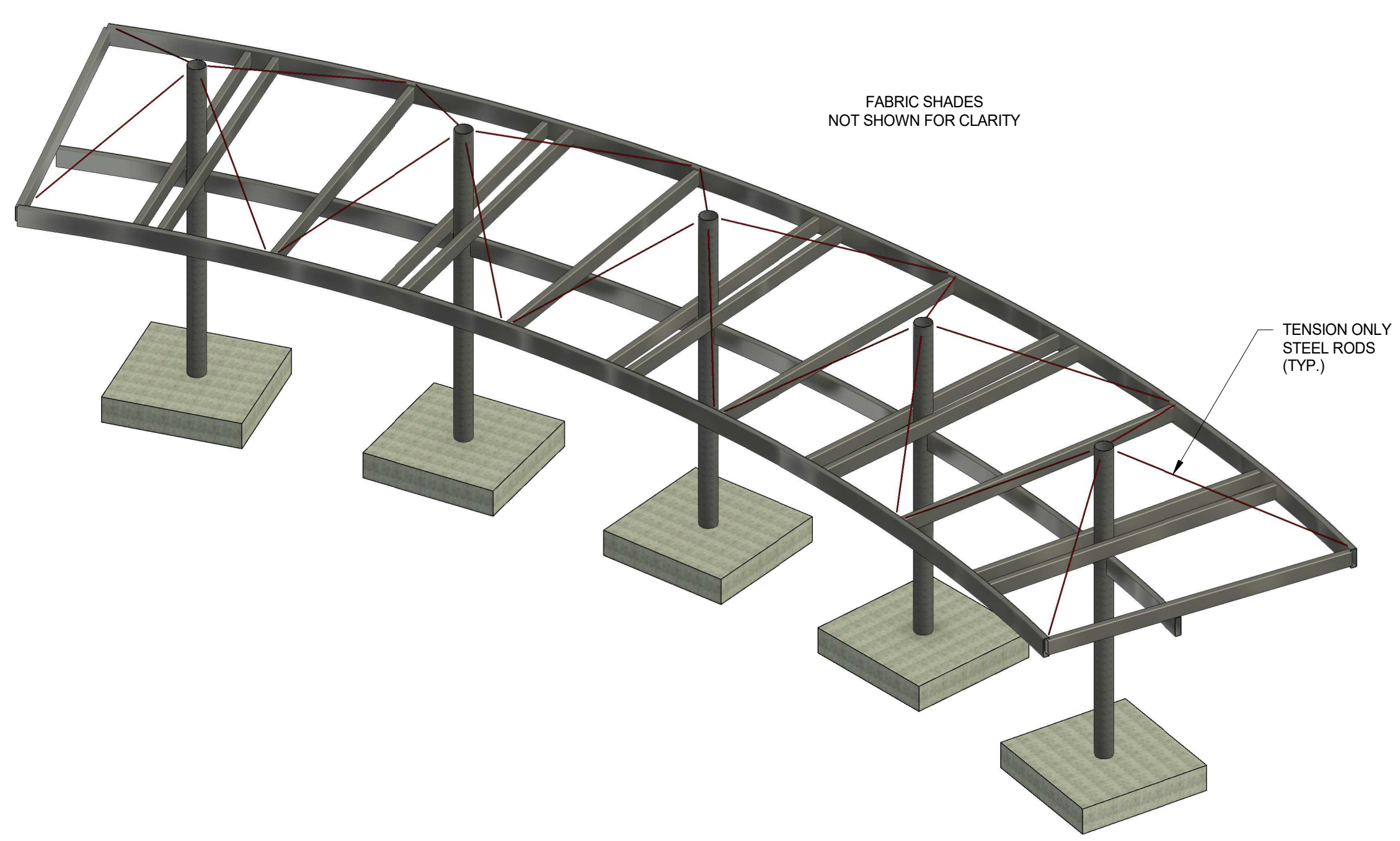
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CANOPY STRUCTURE COMPONENT AND CLADDING WIND LOADS			
AREA SQ. FT. (SEE NOTE 2)	PRESSURE (PSF)		
	ZONE 1	ZONE 2	ZONE 3
9 (+a2)	+29.89 -27.40	+44.89 -42.35	+59.79 -62.21
9-36 (+a2+4a2)	+29.89 -27.40	+44.89 -42.35	+44.84 -42.35
36 (+4a2)	+29.89 -27.40	+29.89 -27.40	+29.89 -27.40

- NOTES:**
- (+) AND (-) INDICATES PRESSURES ACTING IN AND OUT OF BUILDING RESPECTIVELY FOR AREAS BETWEEN THESE GIVEN IN TABLE IT IS PERMITTED TO INTERPOLATE, OTHERWISE USE LOAD ASSOCIATED WITH LOWER AREA.
 - ZONES 1, 2, AND 3 APPLY TO THE ROOF.
 - "a" = 3'-0"



2 WIND LOAD DIAGRAM
1/8" = 1'-0"



3 CANOPY ISOMETRIC



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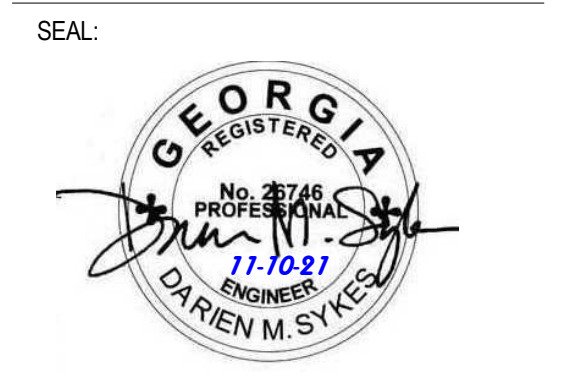
**ROSA PARKS SQUARE
RENOVATION PROJECT**
POPLAR STREET
MACON, GEORGIA
MACON-BIBB COUNTY
MACON, GEORGIA

PROJECT NO:
21026
CHECKED BY: DG
DESIGNED BY: GB
DRAWN BY: EN

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SHEET TITLE:
GENERAL NOTES

SHEET NO:
S-002

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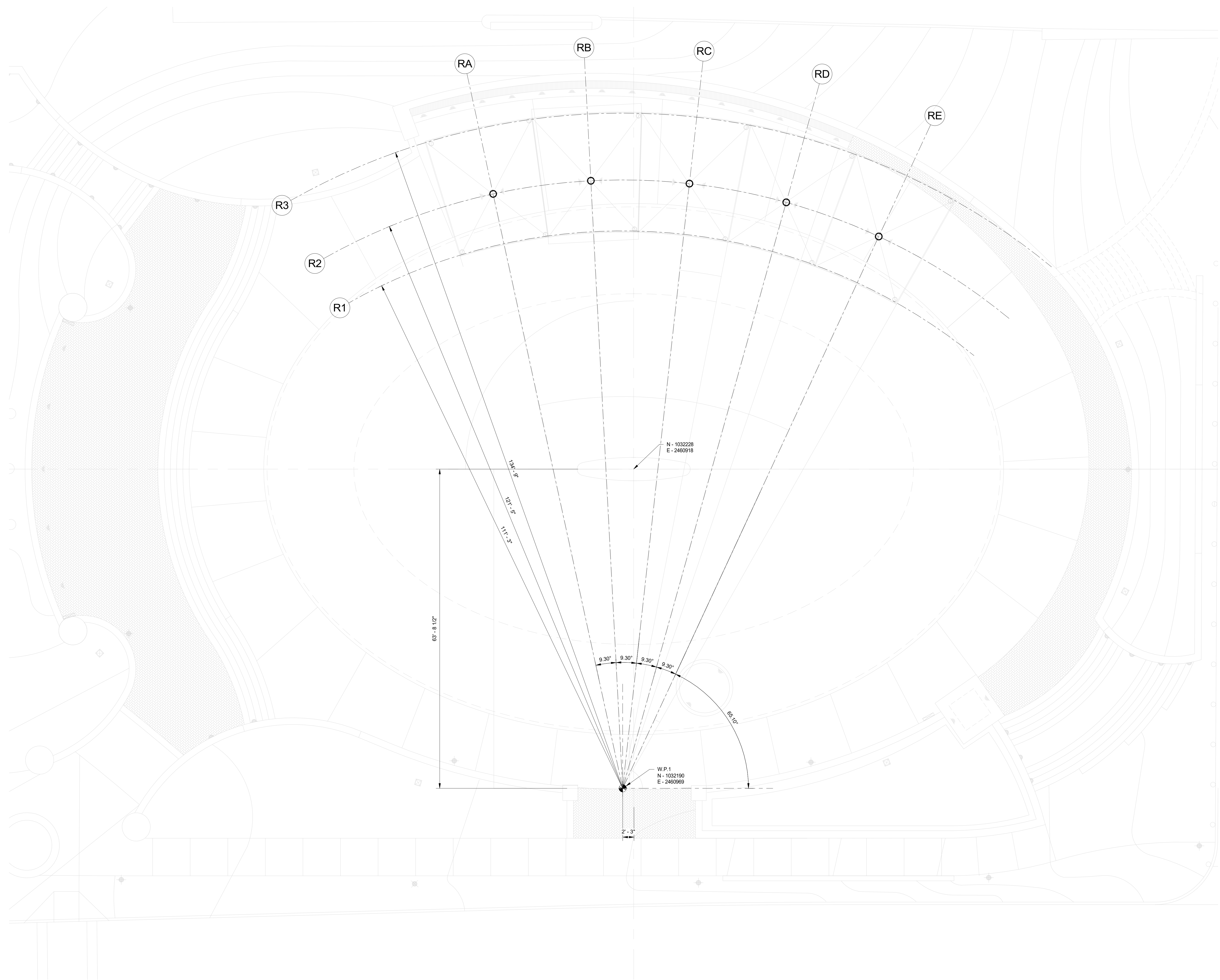


SHEET TITLE:
GRID GEOMETRY

SHEET NO.:

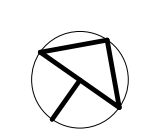
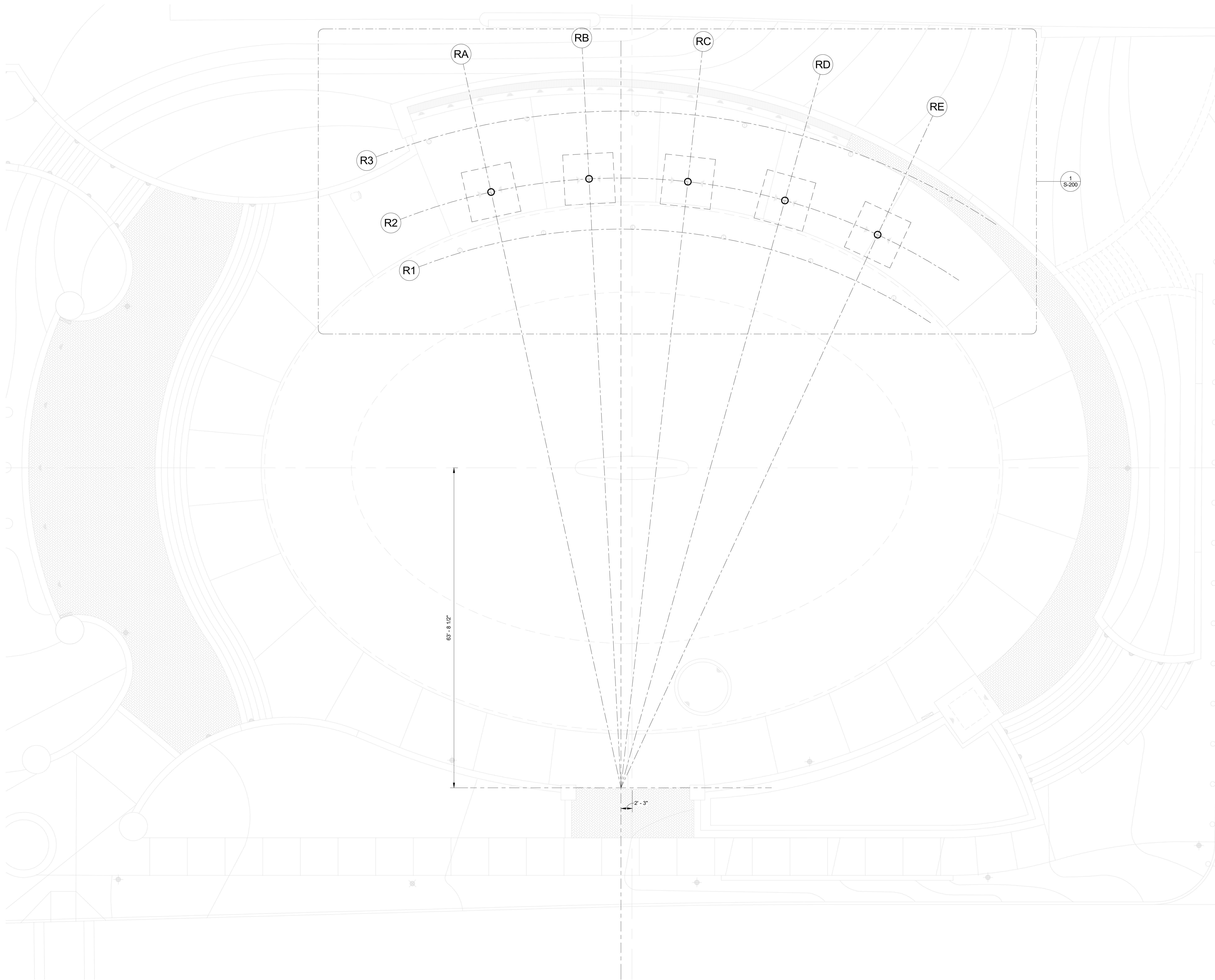
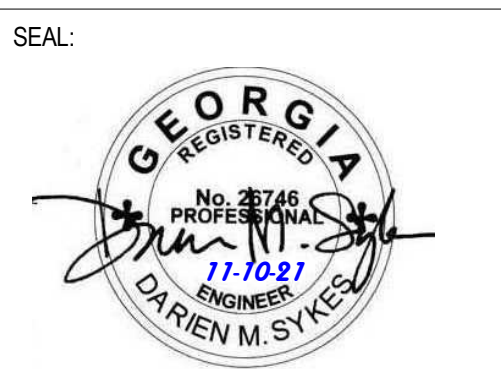
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MACON-BIBB COUNTY
MACON, GEORGIA

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CHECKED BY: TO
DESIGNED BY: CSE
DRAWN BY: EN

ISSUE AND DATE:
November 11, 2021

CONSTRUCTION DOCUMENTS

REVISIONS:

NO.	DATE	DESCRIPTION

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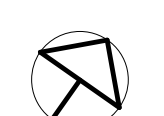
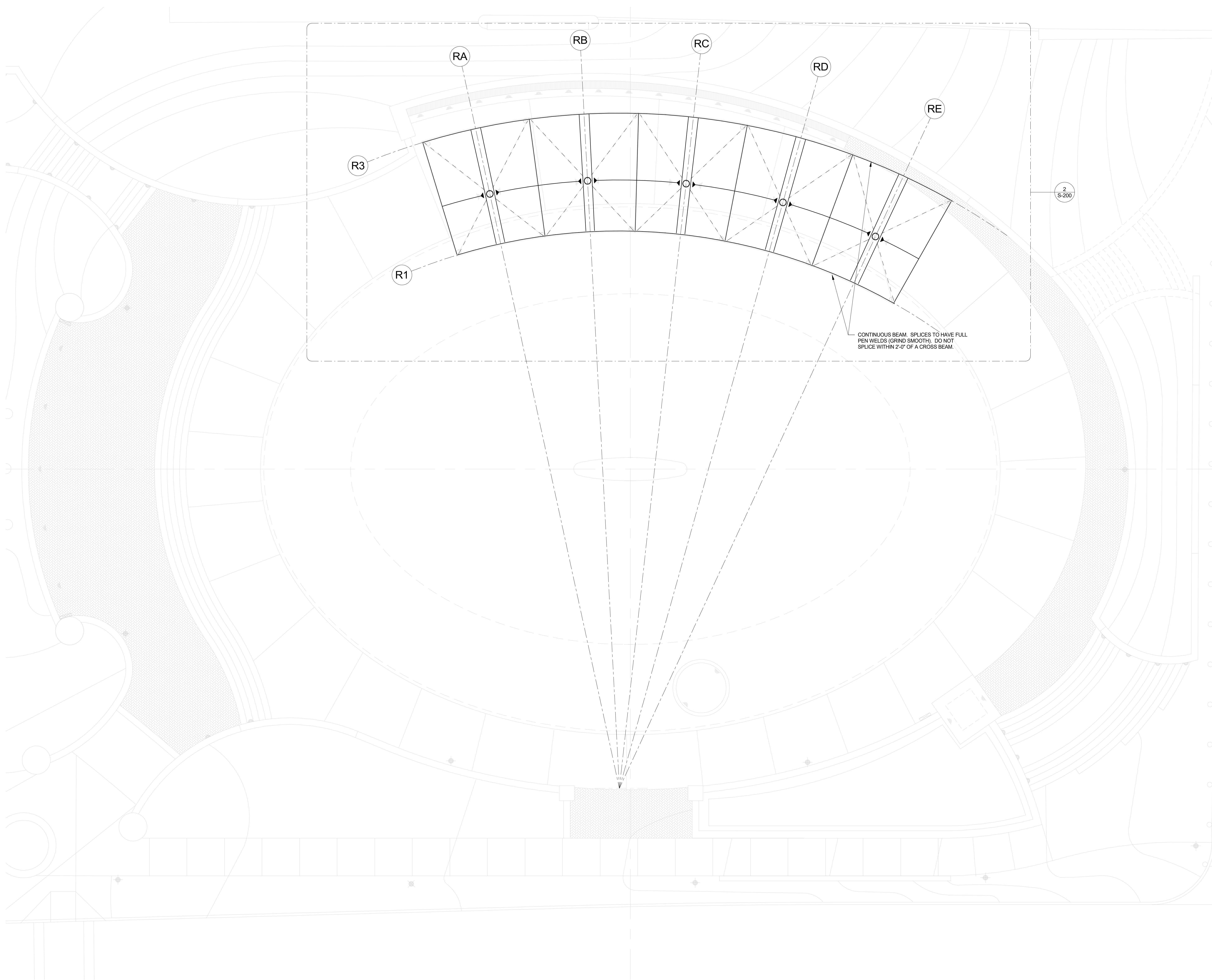


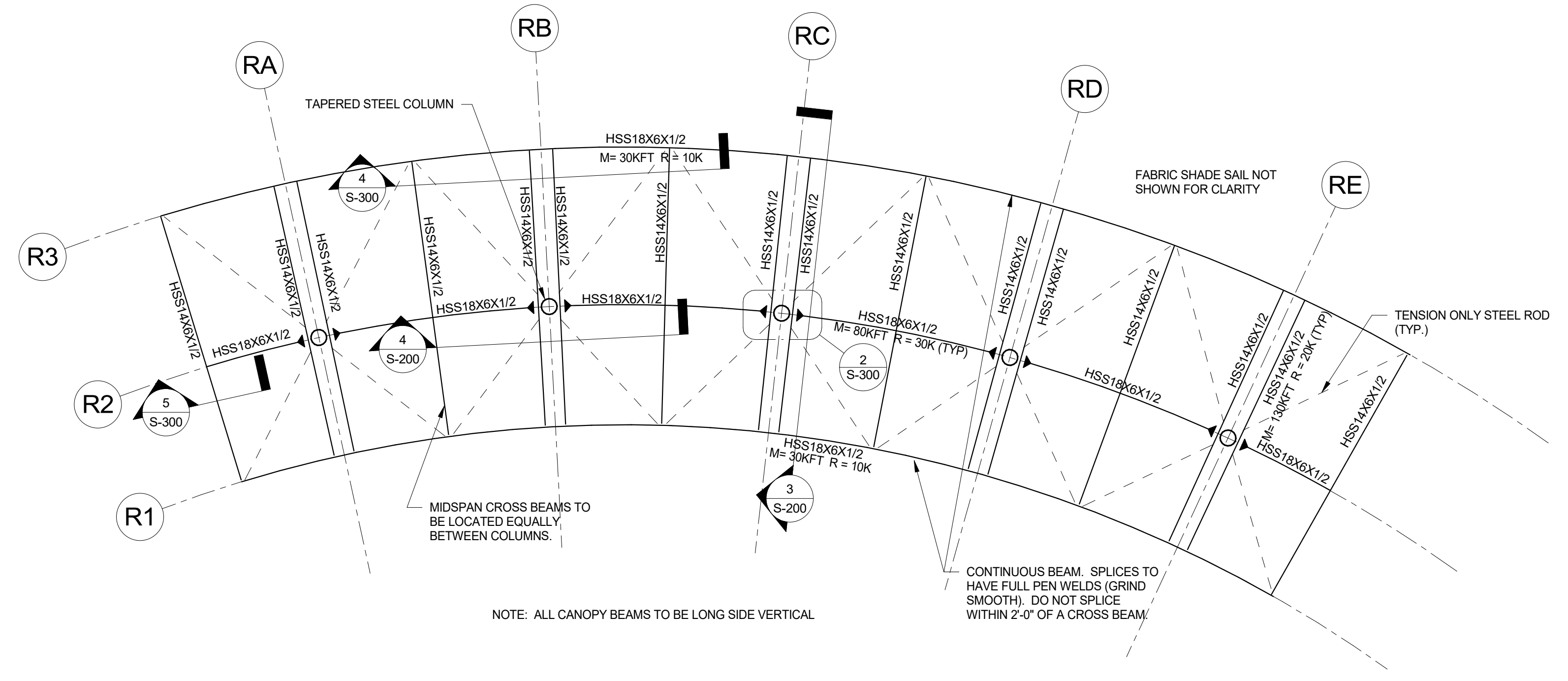
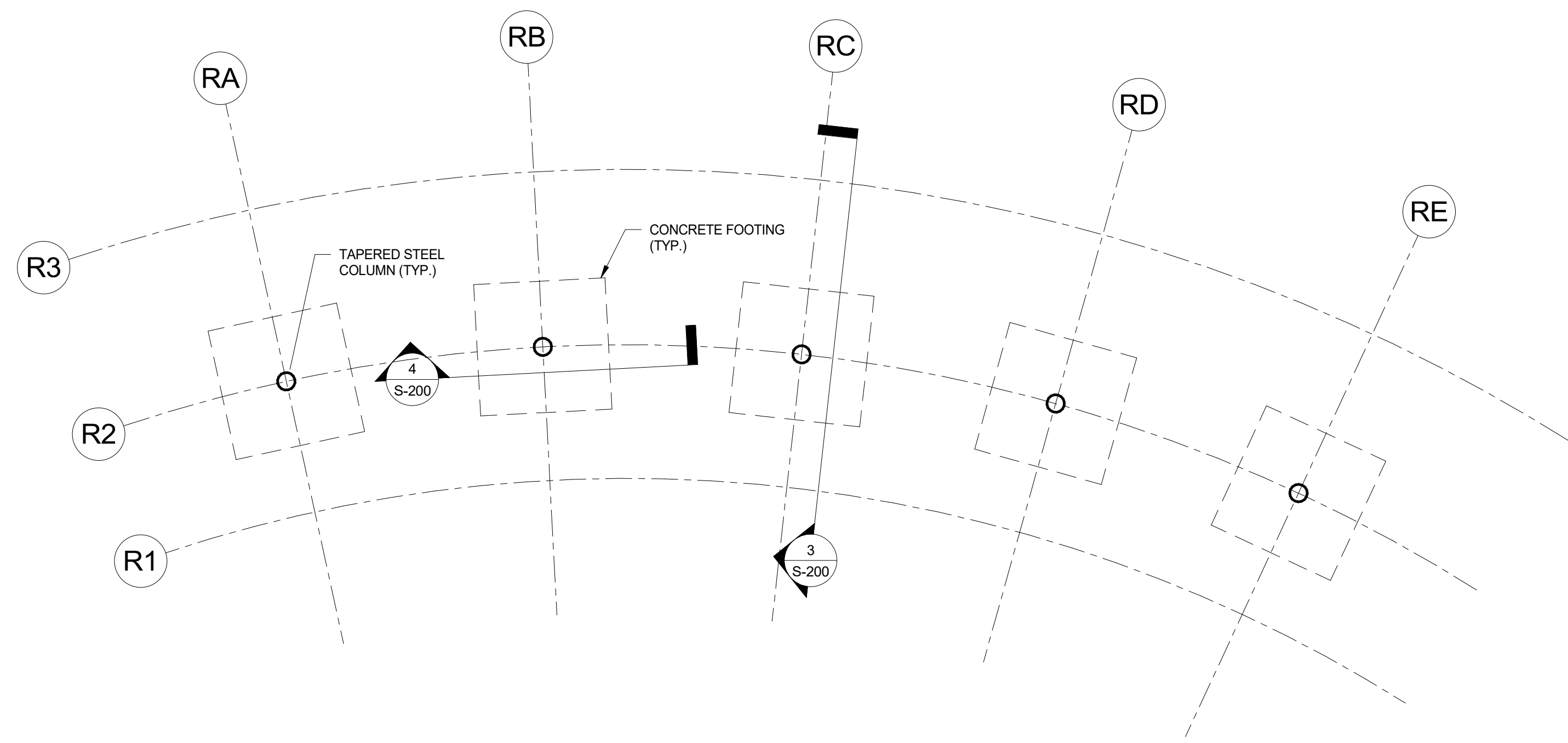
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**OVERALL FRAMING
PLAN**

SHEET NO.:

S-101

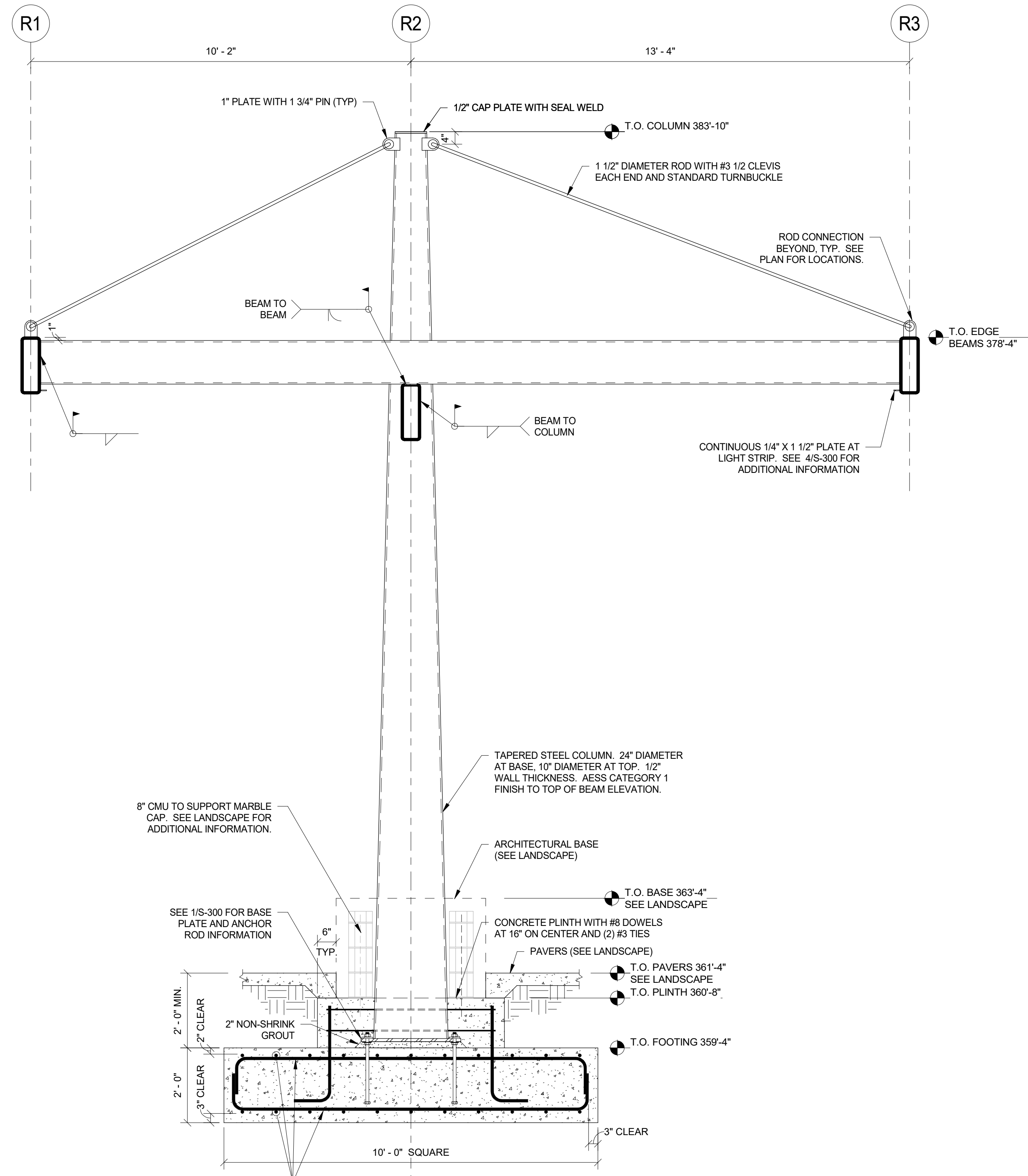
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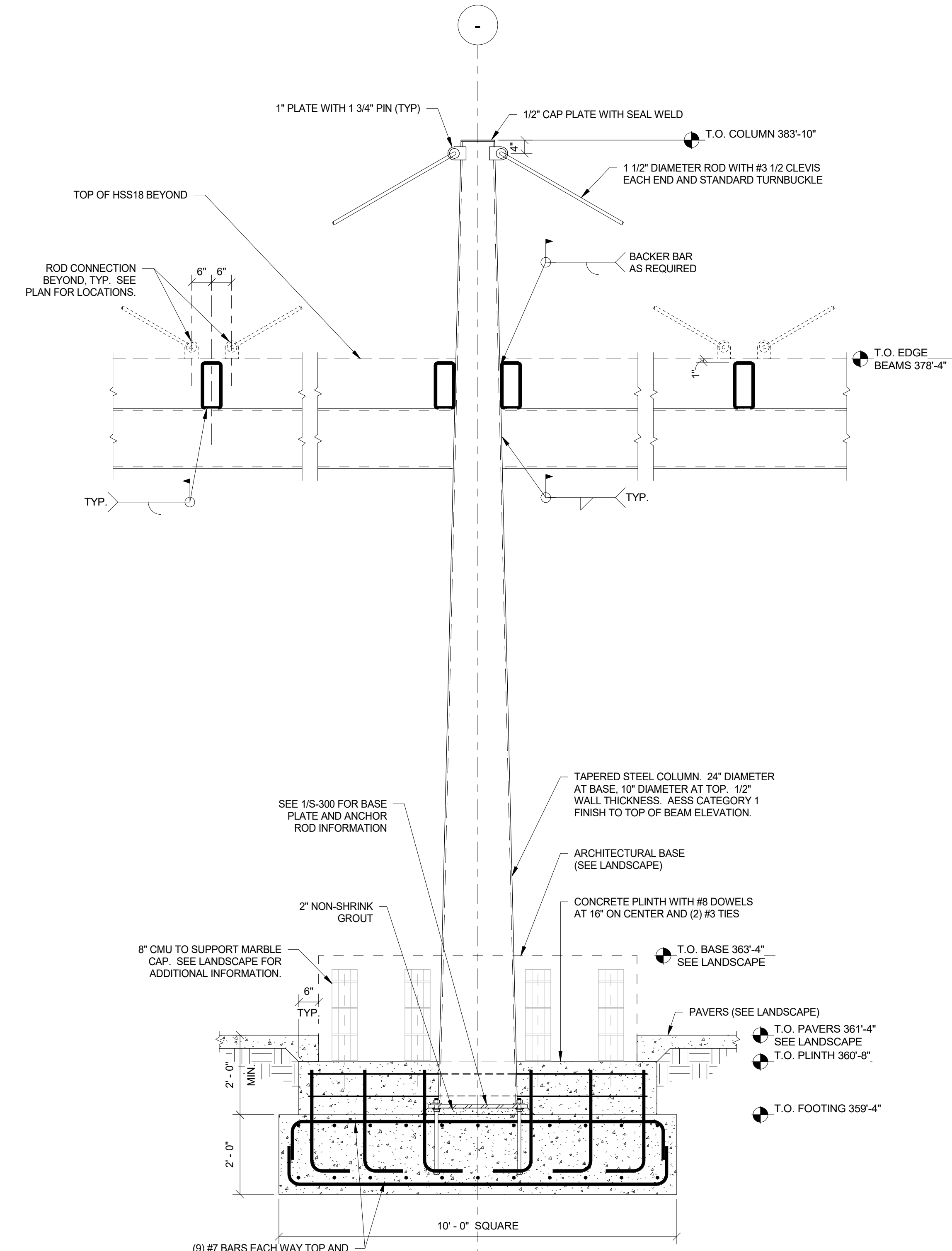


1 ENLARGED FOUNDATION PLAN
1/8" = 1'-0"

2 ENLARGED FRAMING PLAN
1/8" = 1'-0"



3 CROSS SECTION AT CANOPY
1/2" = 1'-0"



4 PARTIAL LONGITUDINAL SECTION AT CANOPY
1/2" = 1'-0"



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Suite 1425
Atlanta, Georgia 30326
www.hgor.com
p. 404-248-1960
f. 404-248-1092

CONSULTANT LOGO:
SYKES
CONSULTING, INC.
Sykes Consulting, Inc.
1175 Peachtree Street N.E.
Suite 2200
Atlanta, Georgia 30361-6305
Phone: 404.248.1538 Ext.239
Office Fax: 404.248.9712
http://www.sykes-consulting.com

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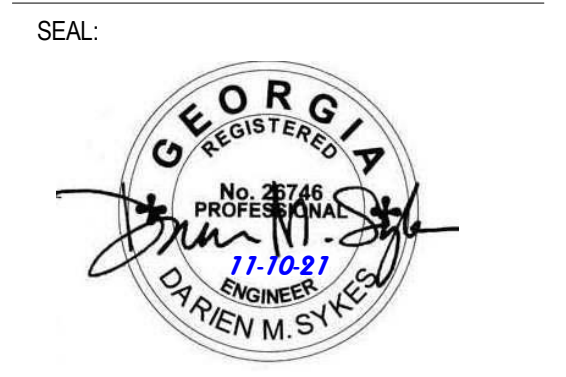
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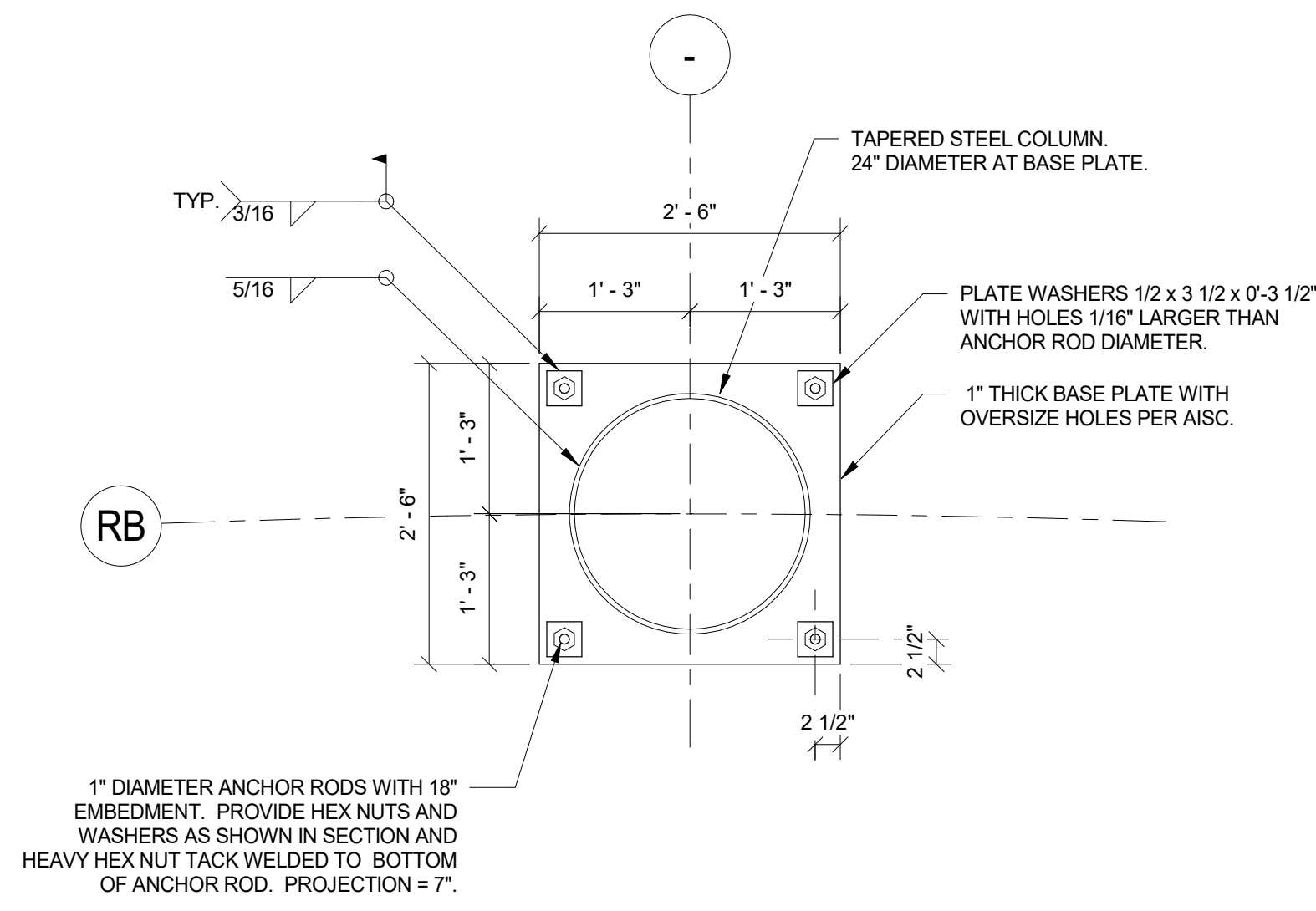


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ENLARGED PLANS
AND SECTIONS

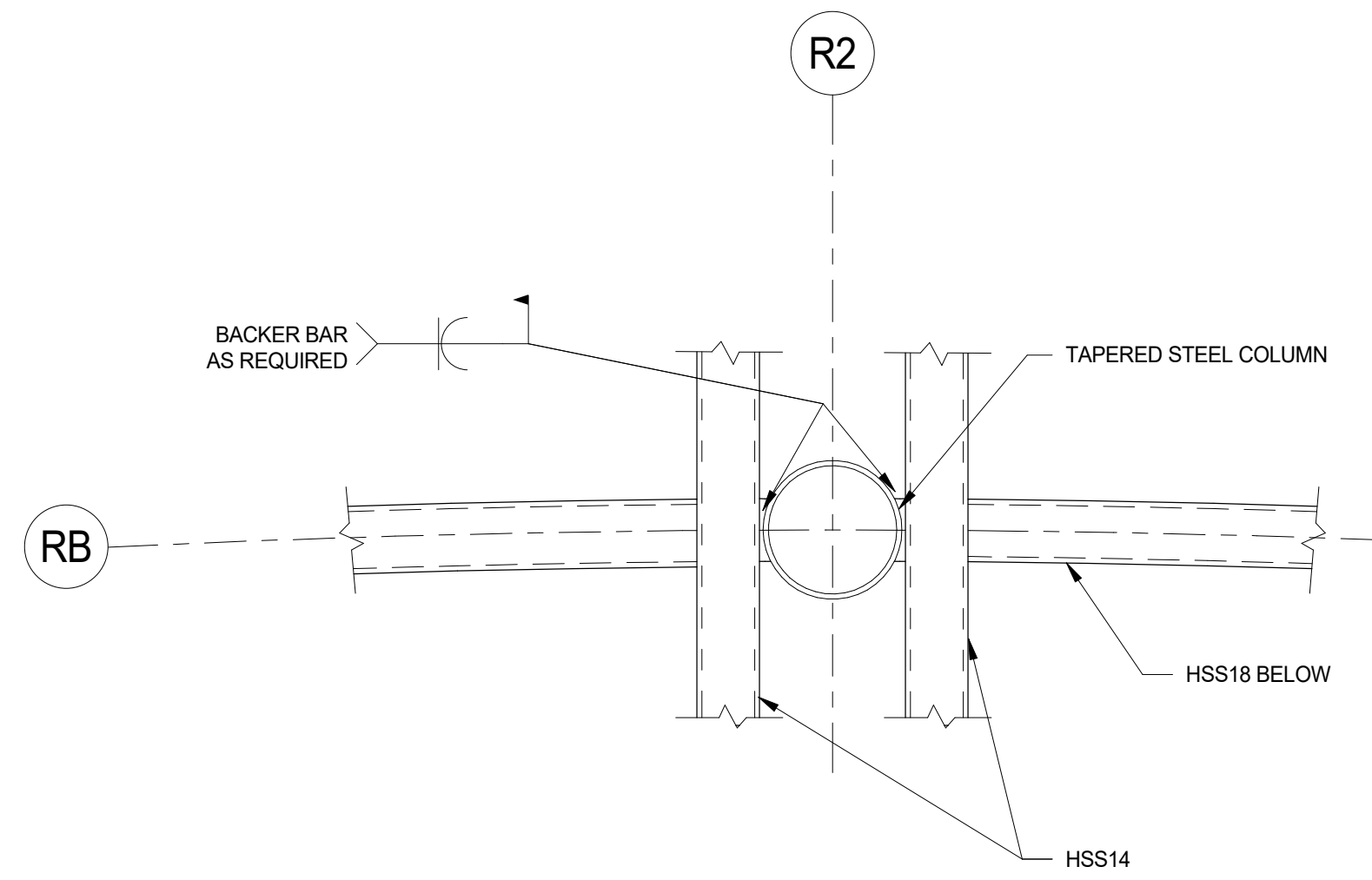
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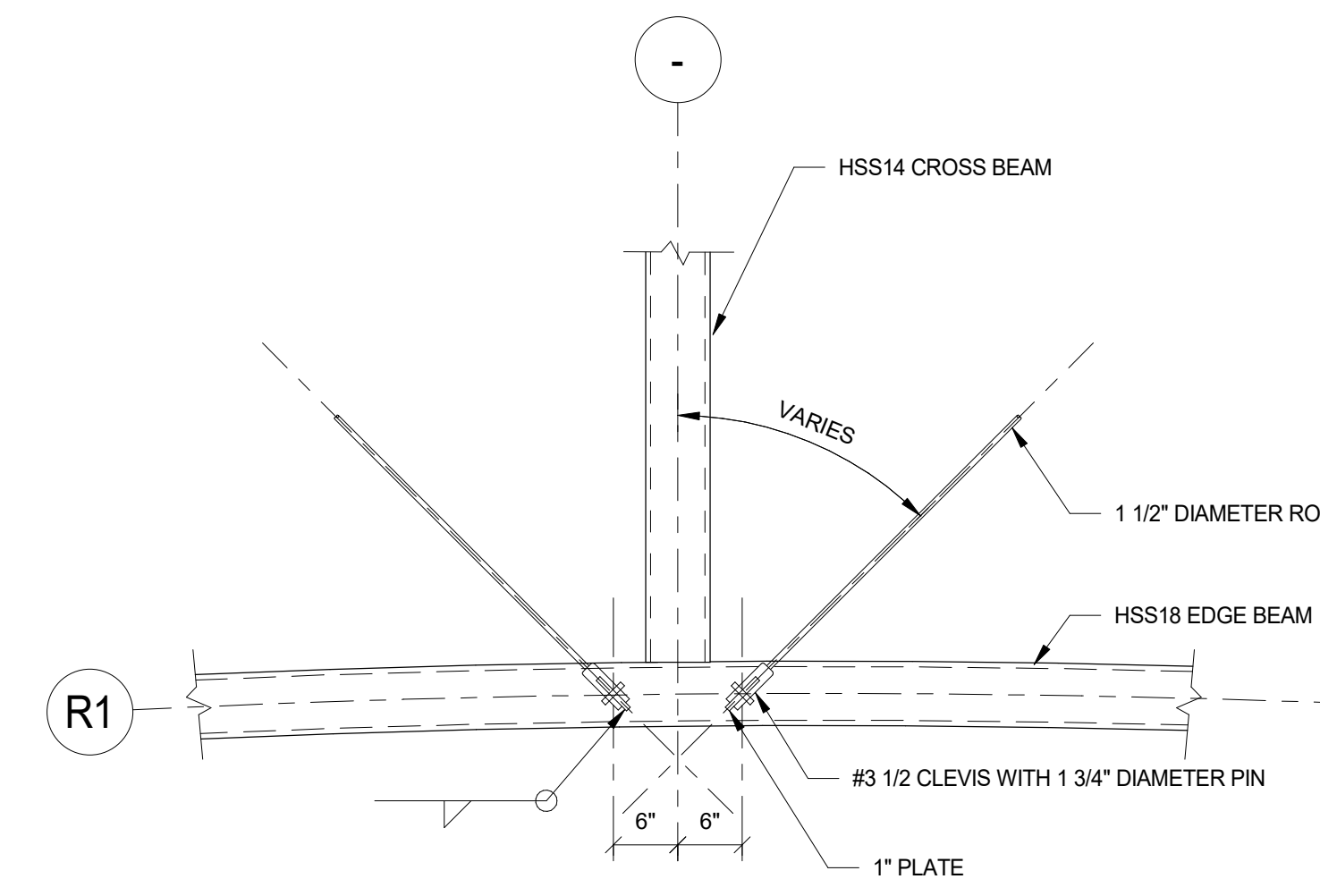
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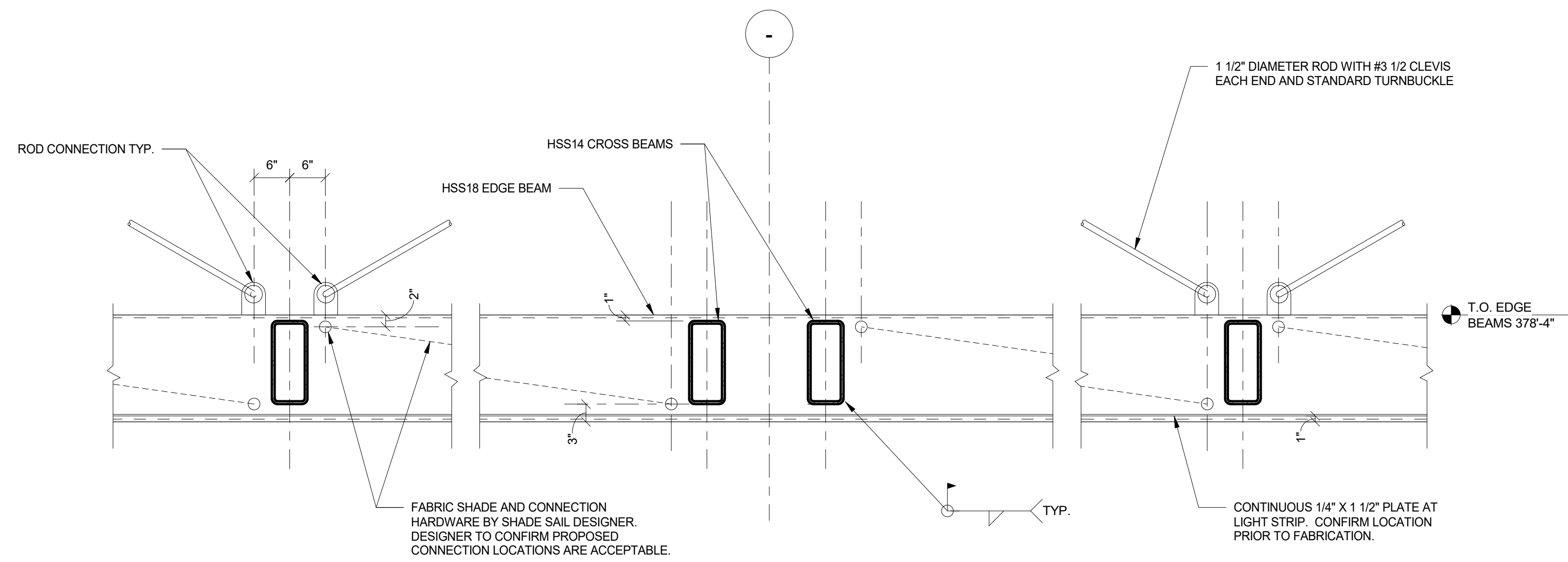
1 BASE PLATE DETAILS
3/4" = 1'-0"



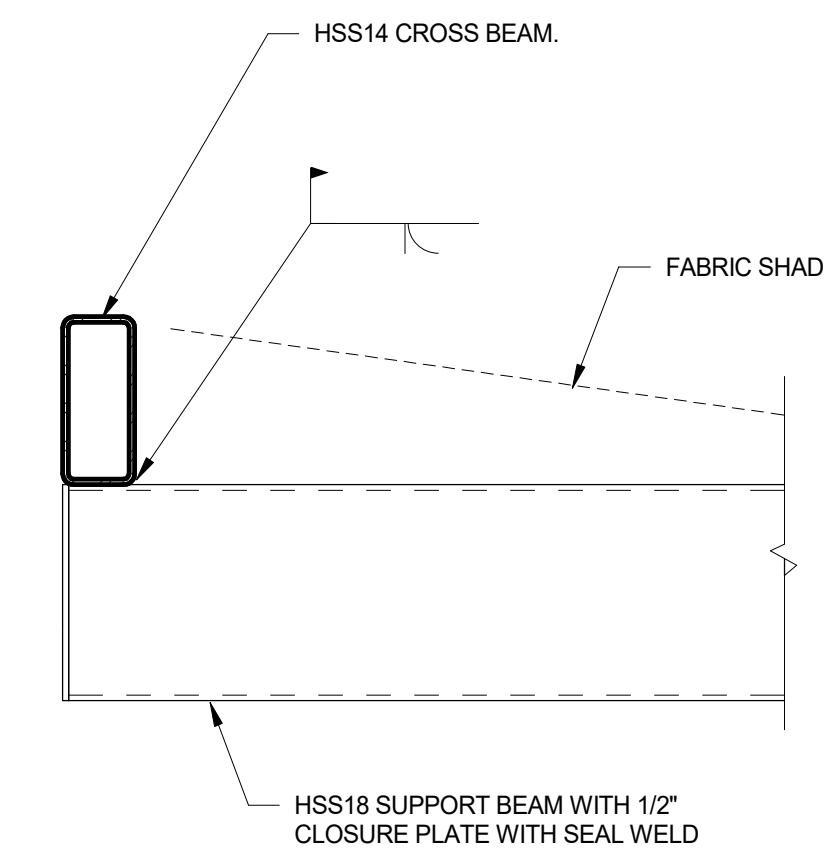
2 DETAIL AT BEAM / COLUMN INTERSECTION
3/4" = 1'-0"



3 DETAIL AT ROD CONNECTION
3/4" = 1'-0"



4 PROPOSED SHADE ATTACHMENT LOCATIONS
3/4" = 1'-0"



5 EDGE OF CANOPY AT CENTER SUPPORT BEAM
3/4" = 1'-0"

7 6 5 4 3 2 1



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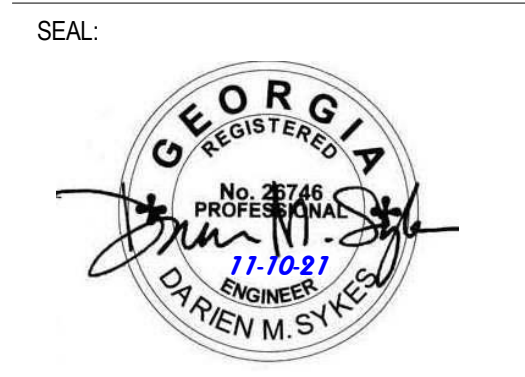
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REVISIONS:

NO.	DATE	DESCRIPTION









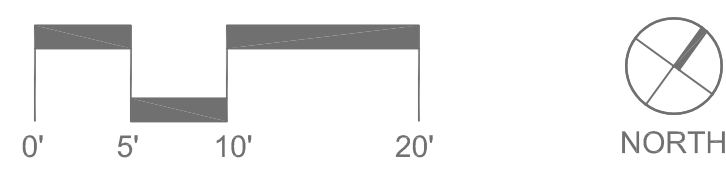
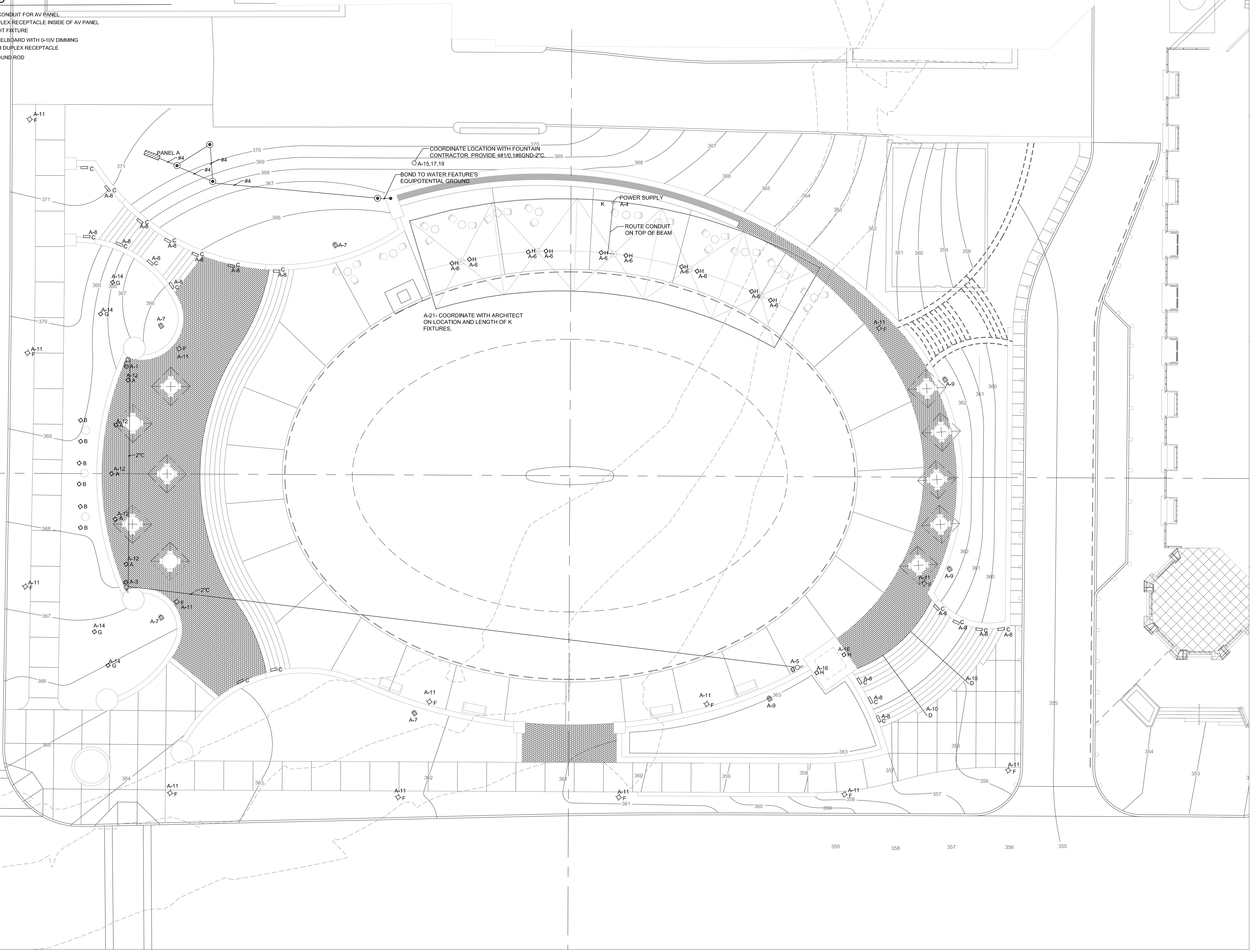
SHEET TITLE:
CANOPY SECTIONS
AND DETAILS

SHEET NO:
S-300

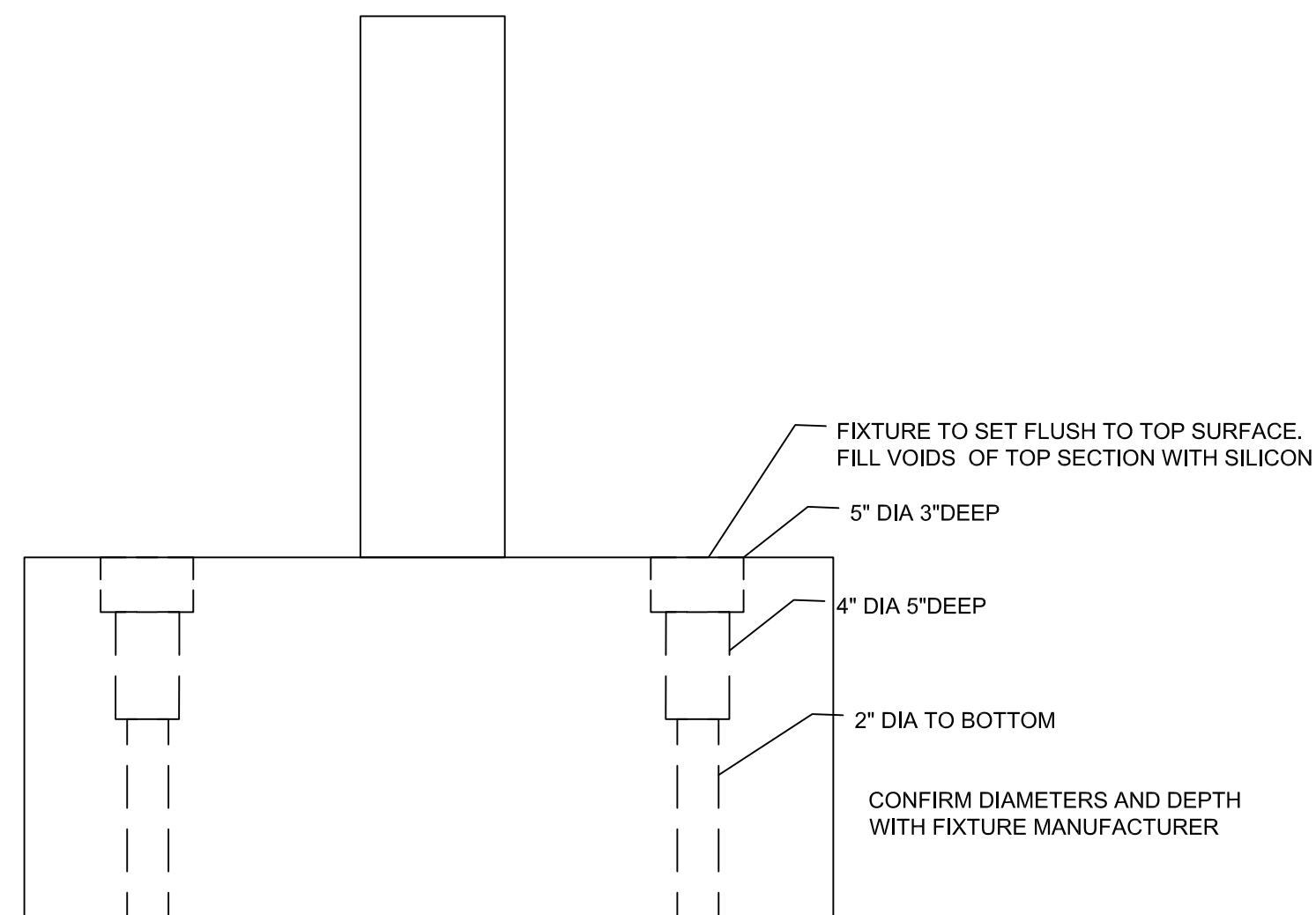
REVISIONS FOR CONSTRUCTION

LEGEND

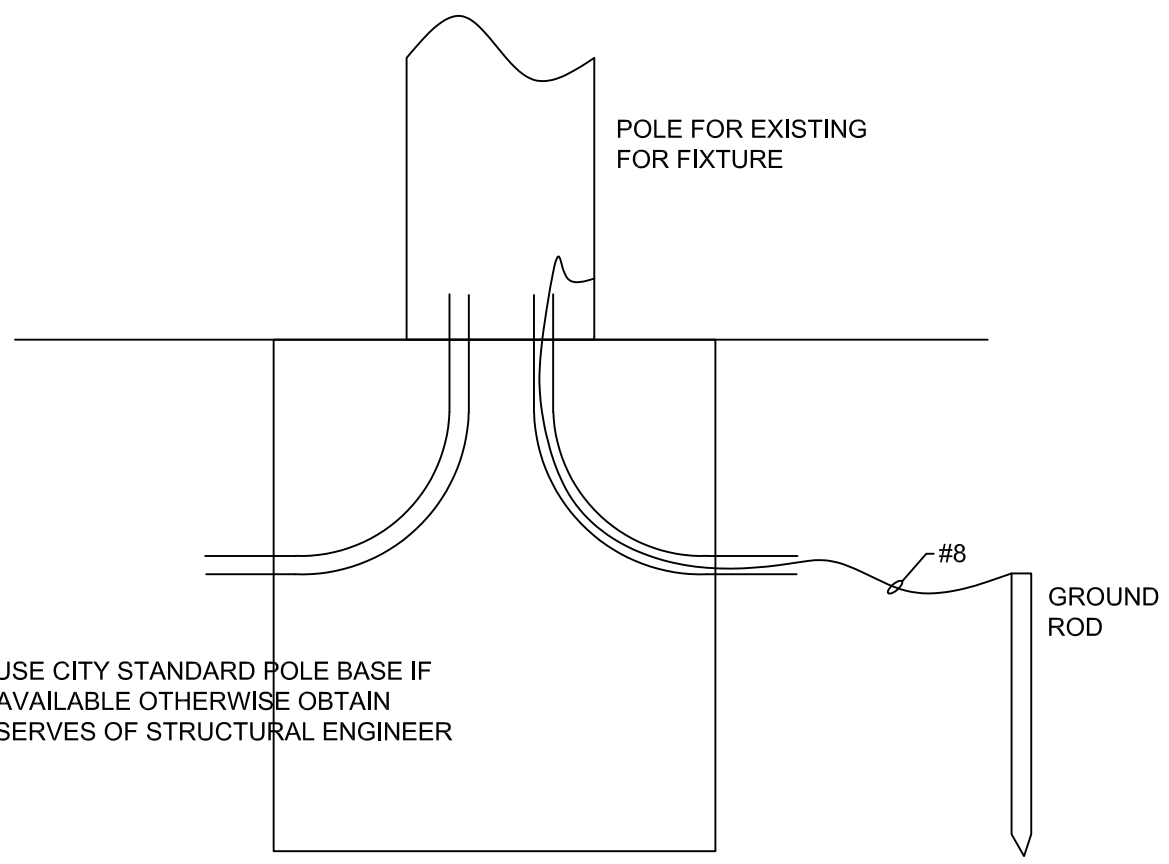
-  2" CONDUIT FOR AV PANEL
-  DUPLEX RECEPTACLE INSIDE OF AV PANEL
-  LIGHT FIXTURE
-  PANELBOARD WITH 0-10V DIMMING
-  GFCI DUPLEX RECEPTACLE
-  GROUND ROD



Last modified on 11/10/21 by WENSOR
 File located in R:\2021\010_Rosa Parks Square\6 - Slik Drawings\Electrical\21026\GT-1.dwg



B SHADE STRUCTURE BASE DETAIL
E-101 SCALE: NTS



A POLE BASE DETAIL
E-101 SCALE: NTS

LIGHTING SCHEDULE					
TYPE	DESCRIPTION	BRAND	CATALOGUE NUMBER	WATTS	MOUNTING
A	INGROUND WALLWASH	WE-EF	ETC120-GB-LED-185-7592-185-2865-185-2869-185-1624	7.7W	INGROUND
B	INGROUND FLAG POLE	HYDREL	M9410C-SS-LED-P2-35K-MVOLT-NFL-FLC10SR-X-LDIM	20W	INGROUND
C	STEP LIGHT	HYDREL	HSL13-6INCH-LED-35K-MVOLT-L-MIN5-BB	5W	WALL 18" AFF
D	ILLUMINATED RAIL	WAGNER	LULS-35K-40-120-MS-X-PWM	3.57W/FT	STAIR RAIL
E	CONOPY FIXTURE	LUMARK	CLCS15	40W	SURFACE
F	POST FIXTURES		EXISTING TO BE RELOCATED CITY FIXTURES	100W	EXISTING POST
G	INGROUND FLOOD	HYDREL	PALMA-A-P1-35K-120-55DEG-WSL-KM-SS	18W	INGROUND
H	INGROUND FLOOD	HYDREL	PDX4-SS-9LED-WHT30K-MVOLT-MFL-FLCSR-X-TKO	10W	INGROUND
K	LINEAR LED CANOPY	Q-Tran	SW-HE24/3.0-WET-30-BW-BW-X-CL2-X-WIDE-X-PL-FR-P1-X-Q2-X-UV-24V-PH010-X	10W	SURFACE

A															LOCATION: HEADWORKS ELECTRICAL ROOM BUILDING 11														
TYPE: PEDSTAL MOUNTED															MOUNTING: SURFACE														
SERVICE: 208Y/120V, 3PH, 4W															FEED-THRU LUGS														
MAINS: 200A MCB															SUB-FEED LUGS														
CABINET: NEMA 3R																													
CKT	TRIP	POLE	LOAD DESCRIPTION	CKT KVA	KVA			CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT	KVA			CKT KVA	LOAD DESCRIPTION	POLE	TRIP	CKT									
					PH-A	PH-B	PH-C						PH-A	PH-B	PH-C														
1	20	1	AV PANEL 1	1.40	1.40			0.00	SPARE	1	15	2																	
3	20	1	AV PANEL 2	1.40		1.46		0.06	CANOPY DOWNLIGHTING	1	15	4																	
5	20	1	AV PANEL 3	1.40			1.50	0.10	CANOPY UPLIGHTING	1	15	6																	
7	20	1	RECEPTACLES WEST	0.72	0.82			0.10	STAIR WALL LIGHTING	1	15	8																	
9	20	1	RECEPTACLES EAST	0.54		0.69		0.15	STAIR RAIL LIGHTING	1	15	10																	
11	20	1	POST LIGHTING	1.40			1.44	0.04	MEMORIAL WALL LIGHTING	1	15	12																	
13	*	*	RESERVED FOR POST LIGHTING	0.00	0.07			0.07	TREE LIGHTING	1	15	14																	
15	125	3	WATER FEATURE	12.00		12.04		0.04	STATUE LIGHTING	1	15	16																	
17	/	/	---	12.00			12.00	0.00		1	15	18																	
19	/	/	---	12.00			12.00	0.00		1	15	20																	
21	15	1		0.00			0.00	0.00		1	15	22																	
23	15	1		0.00			0.00	0.00		1	15	24																	
25	15	1		0.00	0.00			0.00		1	15	26																	
27	15	1		0.00			0.00	0.00		1	15	28																	
29	15	1		0.00			0.00	0.00		1	15	30																	
TOTAL CONNECTED PHASE KVA:				14.29	14.19	14.04																							
TOTAL CONNECTED KVA:				43.42																									
DEMAND OR DESIGN KVA:				49.26																									
FUTURE KVA:				0.00																									
TOTAL DEMAND OR DESIGN KVA:				49.26																									
DEMAND OR DESIGN AMPERES:				136.73																									
															AMPERES INTERRUPTING RATING:														
															14,000 AIC														



3525 Piedmont RD NE
Building 8, Suite 320
Atlanta, Georgia 30306
www.hgor.com
p. 404-248-1960
f. 404-248-1092

CONSULTANT LOGO:

270 Peachtree Street, N.W.
Suite 1600
Atlanta, GA 30303
(404) 524-5800
(404) 584-1799
www.slk.com

CONSULTANT INFORMATION:

PROJECT TITLE:

**ROSA PARKS SQUARE
RENOVATION PROJECT**
POPLAR STREET
MACON, GEORGIA
MACON-BIBB COUNTY
MACON, GEORGIA

PROJECT NO:
21026
PRINCIPAL IN CHARGE: TF
PROJECT ARCHITECT:
DRAWN BY: MW

ISSUE AND DATE:
November 11th, 2021
CONSTRUCTION DOCUMENTS

REVISIONS:

NO.	DATE	DESCRIPTION

SEAL:

SHEET TITLE:
**ELECTRICAL
SCHEDULES AND
DETAILS**

SHEET NO:
E-200

RELEASED FOR CONSTRUCTION

Last modified on 11/24/21 by WENSOR
File located in R:\2021010 Rosa Parks Square\6 - SLK Drawings\Electrical\21026\GT-1.dwg

Design Operation Statement & Specifications

The Rosa Parks Square Fountain is an exterior memorial water wall fountain that is slightly curved with a weir edge that is approximately 90° in width and approximately 107° in height. At the top of the fountain is a formed concrete trough. Water is introduced to the upper trough and evenly overflows its edge and then runs down the face of waterwall into a lower basin. Water in the lower basin is returned to an equipment vault for filtration and recirculation. There are (20) flush mount LED light fixtures with RGBW diodes mounted within the grating at the lower basin to shine upward on the fountain wall and signage. Lights can be set on any individual color, or white. The pump equipment vault is in a plaza area and is pre-assembled with a tile set hatch, 20-HP display pump, 20-HP variable frequency drive, 1-HP filter pump, TA60 sand filter, valve assemblies, sump pump, vent fan, fill manifold, and a UL electrical control panel in NEMA enclosure with motor starters, breakers, light power supplies, lighting interface controller, digital timeclock, and main disconnect switch, and one external chemical feeder.

Approximate calculations as field conditions may vary:

Fountain Upper Trough Area:	71.5 Sq. Ft.
Upper Trough Water Depth:	13 Inches (1'-1")
Approximate Upper Trough Volume:	77.5 Cubic Feet, 579 Gallons
Fountain Lower Basin Area:	278 Sq. Ft.
Lower Basin Water Depth:	18 Inches (1'-6")
Lower Basin Volume:	417 Cubic Feet, 3,119 Gallons
Total Volume:	3,698 Gallons
Shut Down Gain:	Negligible
Display Requirements:	Upper Weir, 89'-5", 18 GPM/FT @ 10 Feet of Head
Display Requirement Total:	1,610 GPM
Display Pump Capacity:	20-HP pump, 1,610 GPM @ 30 Feet of Head
Filter Pump Capacity:	1-HP pump, 85 GPM @ 50 Feet of Head
Filtration Requirement:	16 GPM @ 50 Feet of Head (4 Hour turnover rate)
Filtration Type:	TA60 Sand Filter, 60 GPM Max Filter Rate
Actual Filtration Rate:	60 GPM
Rate of Filtration Turnover:	~ 1 hour

**Rosa Parks Square
Equipment List 1 of 2
Fountain People - 11/30/21**

Item #	Qty	Component Number	Description
^01	11	FWS-400	Waterstop Fitting, cast bronze coupling with integral waterstop flange, bonding lug and 4" female threaded connections.
02	11	DIV-PL-884U	DIV-PL Series Diverter Plate; consists of a 1/8" thick brass (C-channel) bent plate. Construction is brushed natural finish with 5/16" clearance holes for a 1/4" stainless anchors, by installer.
^03	2	FAS-08	Anti-Vortex Plate & Sump, heavy-duty abs sump body with 2" threaded side connection. Includes an 8" diameter anti-vortex/diverter plate of cast bronze with integral legs and stainless steel fasteners.
^04	4	R-84-8	Anti-Vortex Plate & Sump, heavy-duty frp construction with black gel coat interior finish, integral waterstop, and 8" sealed PVC pipe connection. Includes 21" square anti-vortex/diverter plate of cast bronze with integral stand-offs and stainless steel fasteners.
^05	1	FFD-300	Floor Drain with Plug, cast bronze with integral waterstop flange, grounding screw, threaded bronze plug, and 3" female threaded connection.
^06	1	FSD-300	Overflow Standpipe Drain, cast bronze body with integral waterstop flange and ground screw, cast bronze cap, copper standpipe, 3" FNPT connection.
^07	1	CWL-002C	Conduit Mounted Water Level Sensor, cast bronze housing base with spun brass cover, dual function water level sensor with 30 feet of integral cable, 3/4" adjustability range. 1/2" female threaded conduit connection.
^08	1	FWS-050	Waterstop Fitting, cast bronze coupling with integral waterstop flange, bonding lug and 1/2" female threaded connections.
^09	3	ST-EF-200	Adjustable Eyeball Inlet Fitting, constructed of machined cast bronze and brass with bonding screw, 5/8" orifice eyeball, and 2" (F) N.P.T. connection.
10	20	FXPRO-LED-FM-RGBW-32	Stainless Steel Wet/Dry/Underwater Flush Mounted LED light fixture; 7.625" diameter, 304 stainless steel construction, LED light fixture. Fixture includes tempered glass lens with silicone gasket and 20 feet of SOOW submersible cable. The fixture is 32 watt (RGBW) diode configuration with onboard DMX.

* IT REQUIRED FOR FOUNTAIN CONCRETE POUR.

**Rosa Parks Square
Equipment List 2 of 2
Fountain People - 11/30/21**

Item #	Qty	Component Number	Description
^11	5	JB8-4-100	Junction Box, conduit or flush mount, UL listed, underwater cast bronze junction box with internal grounding lug, neoprene gasket, 1" power connection, and four (4) side connections for lights.
12	5	FWS-100	Waterstop Fitting, cast bronze coupling with integral waterstop flange, bonding lug and 1" female threaded connections.
13	10	PC-8882-D	Potting compound for use in underwater junction boxes, 21 oz. package, meets NEC article 680 as an approved potting compound.
14	1	AN-1D	Wind Speed Sensor, polycarbonate constructed 3-cup anemometer with UV inhibitors, beryllium copper shaft and Teflon bearings. Requires 18/3 cable by installer.
15	1	DBVG-P22395	Direct Burial Vault, heavy duty FRP enclosure measuring 9'-7" x 7'-9" x 8'-11" deep, that is structurally engineered and certified for in-ground installation. Furnished with 36" x 36" lockable tile-set access hatch. The vault includes (1) 1-HP filter pump, TA60 sand filter, (1) 20-HP display pump with large volume integral basket strainer, 20-HP variable frequency drive, 1" connection cold water fill manifold, 1/3-HP sump pump assembly, forced air ventilation system, LED Lighting Panel with surface mounted DE3 touch interface controller, and internal power supplies, a UL electrical control panel with pump starters and motor protectors, digital timeclocks, HOA switches, water level control relays, programmable logic controller, and main disconnect switch. Unit is factory engineered, assembled and tested prior to shipment.
16	2	VCA-600	Vent Cap Assembly, cast iron construction, 6" connection
17	1	WTC-920-P23527	Chemical Feeder Treatment Valve Box Assembly with lockable lid, 1'-7" x 2'-2" valve box with lid, erosion style chemical feeder, and (2) 1-1/2" PVC isolation valve assemblies.

* IT REQUIRED FOR FOUNTAIN CONCRETE POUR.

WATER FEATURE SPECIFICATION NOTES

THE INSTALLER SHALL BE RESPONSIBLE FOR PURCHASING WATER FEATURE COMPONENTS, AS WELL AS PROVIDING LABOR AND MATERIALS REQUIRED EFFECTING THE INSTALLATION OF THE OPERATIONAL SYSTEMS AS DETAILED IN THE PLANS AND SPECIFICATIONS. THE PRIME WATER FEATURE INSTALLER SHALL FURNISH FOUNTAIN ELECTRICAL COMPONENTS TO THE ELECTRICAL INSTALLER FOR INSTALLATION AND CONNECTION.

A SINGLE MANUFACTURER SHALL SUPPLY ELECTRICAL AND MECHANICAL WATER FEATURE COMPONENTS IN ORDER TO ENSURE THE INTEGRITY OF THE WATER FEATURE DESIGN. THE WATER FEATURE EQUIPMENT SHALL BE AS DESIGNED AND MANUFACTURED BY FOUNTAIN PEOPLE, INC., P.O. BOX 807, 4600 HWY 223 EAST, SAN MARCOS, TX 78666, (512) 392-1155. SUBSTITUTION OF WATER FEATURE MATERIALS SHALL REQUIRE WRITTEN APPROVAL BY THE PROJECT ARCHITECT OR LANDSCAPE ARCHITECT.

INSTALLERS OFFERING SUBSTITUTIONS SHALL SUBMIT THREE COPIES OF THE FOLLOWING DATA AT LEAST TEN WORKING DAYS PRIOR TO THE BID DATE FOR REVIEW AND APPROVAL:

- COMPLETE WATER FEATURE SYSTEM FLOW DIAGRAM.
- COMPLETE WATER FEATURE ELECTRICAL CONTROL PANEL LADDER LOGIC DIAGRAMS.
- A COMPLETE BILL OF MATERIALS ALONG WITH SPECIFICATION CUTS OF PROPOSED SUBSTITUTE ITEMS.
- A WRITTEN DESCRIPTION OF THE WATER FEATURE'S OPERATIONAL CYCLE.
- A WRITTEN PERFORMANCE GUARANTEE BY THE ALTERNATE SYSTEM MANUFACTURER CERTIFYING THAT THE ALTERNATE SYSTEM WILL MEET THE SPECIFIED DESIGN CONCEPT AND PERFORMANCE REQUIREMENTS. FAILURE TO SUBMIT FOR PRIOR APPROVAL OF SUBSTITUTIONS WILL BE GROUNDS FOR REJECTION. WITHIN TEN WORKING DAYS OF AWARD OF CONTRACT, INSTALLER SHALL SUBMIT FIVE COPIES OF MANUFACTURERS' DETAILED DATA SHEETS AND SUBMITTAL DRAWINGS OF WATER FEATURE COMPONENTS FOR APPROVAL PRIOR TO INSTALLATION. UPON COMPLETION OF THE PROJECT, INSTALLER SHALL PROVIDE THREE COPIES OF OWNER'S OPERATION AND MAINTENANCE MANUALS. MANUALS SHALL BE PROVIDED ON COMPACT DISCS, WITH ALL PORTIONS IN A PRINTABLE FORMAT, AND SHALL INCLUDE OPERATING AND MAINTENANCE PROCEDURES ALONG WITH MANUFACTURERS' DATA SHEETS AND SYSTEM DRAWINGS.

GENERAL NOTES

THE WATER FEATURE MECHANICAL AND ELECTRICAL DRAWINGS ARE DIAGRAMMATIC, INTENDED TO INDICATE THE SCOPE OF THE WORK TO BE DONE. EQUIPMENT AND MATERIAL LOCATIONS MAY BE DISTORTED FOR CLARITY IN PRESENTATION.

QUESTIONS PERTAINING TO WORK THAT DOES NOT APPEAR TO BE SUFFICIENTLY DETAILED OR EXPLAINED, OR PERTAINING TO THE TRUE MEANING OF A PART OF THE DRAWINGS OR SPECIFICATIONS, OR DISCREPANCIES FOUND EXISTING IN OR BETWEEN THE SPECIFICATIONS AND DRAWINGS, SHALL BE REFERRED TO THE ARCHITECT OR LANDSCAPE ARCHITECT FOR CLARIFICATION.

ITEM NUMBERS CORRESPOND TO THE BILL OF MATERIALS AND SHALL BE FURNISHED BY THE EQUIPMENT MANUFACTURER. THE INSTALLER SHALL FURNISH OTHER MATERIALS, LABOR, TOOLS, EQUIPMENT, APPARATUS, AND SERVICES, WHICH ARE REQUIRED TO COMPLETE THE INSTALLATION OF THE WATER FEATURE SYSTEM.

MECHANICAL NOTES

- THIS INSTALLATION SHALL COMPLY WITH LOCAL PLUMBING CODES.
- PIPING LOCATED WITHIN A POOL BASIN, AND STUB-UPS THROUGH A POOL FLOOR OR WALLS OF A BASIN, SHALL BE OF BRASS PIPE, TYPE K COPPER TUBING OR STAINLESS STEEL.
- INSTALLER SHALL SUPPLY WATERSTOP PROTECTION FOR PIPING PENETRATING POOL FLOOR OR WALLS AND FOR FITTINGS CAST THEREIN UNLESS OTHERWISE SPECIFIED WITHIN THESE DRAWINGS AND EQUIPMENT LISTS.
- INTERCONNECTING PIPE AND FITTINGS BETWEEN THE POOL BASIN AND THE PUMP EQUIPMENT ROOM SHALL BE OF COPPER, MINIMUM SCHEDULE 40, STAINLESS STEEL OR FIBERGLASS.
- PRESSURIZED CITY WATER LINES SUPPLYING THE WATER FEATURE SYSTEM SHALL BE OF COPPER AND SHALL BE PROTECTED BY A BACKFLOW PREVENTION DEVICE AND PRESSURE REDUCTION VALVE SET AT 50 PSI MAXIMUM.
- PIPING RUNS SHALL BE MADE AS DIRECT AS POSSIBLE USING THE MINIMUM NUMBER OF FITTINGS. PIPE SHALL SLOPE TO THE PUMP FOR DRAINAGE AND SHALL BE FREE OF TRAPS OR LOOPS THAT COULD TRAP WATER OR AIR.
- IF PIPING CANNOT BE SLOPED TO PUMP, MAKE PROVISIONS FOR COMPLETE DRAINING OF EACH PIPE WITH A MINIMUM 1 1/2" LINE AND VALVE AT THE LOWEST POINT.
- PUMP SUCTION INTAKE AND SUCTION PIPING SHALL BE ROUTED TO AN ELEVATION BELOW THE WATER LEVEL OF THE LOWEST BASIN SO THAT BOTH THE PUMP AND THE SUCTION PIPING ARE COMPLETELY FLOODED WHEN THE WATER FEATURE SYSTEM IS FILLED UNLESS OTHERWISE SPECIFIED HEREIN.
- PIPING SHALL BE PRESSURE TESTED PRIOR TO BACK-FILLING AND SHALL BE PROPERLY SUPPORTED.
- INSTALLER SHALL PROVIDE DRAINAGE AND VENTILATION IN AN EQUIPMENT PUMP ROOM IN ORDER TO PREVENT FLOODING, CONDENSATION, OR OVERHEATING OF EQUIPMENT.

ELECTRICAL NOTES

- UNDERWATER ELECTRICAL EQUIPMENT CAN CAUSE FATAL ELECTRICAL SHOCK IF NOT INSTALLED PROPERLY. THIS INSTALLATION HAS BEEN DESIGNED IN STRICT COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE, ARTICLE 680. INSTALLER SHALL INSTALL ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 680 AND LOCAL ELECTRICAL CODES.
- A CLASS 'A' GROUND FAULT CIRCUIT INTERRUPTER (GFCI) SHALL BE INSTALLED ON CIRCUITS THAT HAVE AN OPERATING VOLTAGE GREATER THAN 15 VOLTS AND THAT SUPPLY WATER FEATURE EQUIPMENT LOCATED WITHIN BASINS. EQUIPMENT OPERATING AT LESS THAN 15 VOLTS SHALL BE PROTECTED BY A TRANSFORMER WHICH IS UL LISTED AND MARKED FOR THE APPLICATION.
- UNLESS UL LISTED FOR EITHER WET OR DRY OPERATION, UNDERWATER LIGHT FIXTURES SHALL BE INSTALLED SO THAT THEY ARE SUBMERGED WHEN IN OPERATION, SHALL BE PROTECTED BY A LENS GUARD IF POINTED UPWARD, AND SHALL BE PROTECTED BY AN INTEGRAL THERMAL CUTOFF DEVICE TO PREVENT OVERHEATING.
- UNDERWATER LIGHT FIXTURES SHALL BE INSTALLED WITH SUFFICIENT CORD LENGTH TO ALLOW REMOVAL FROM THE WATER FOR RELAMPING AND NORMAL MAINTENANCE WITHOUT LOWERING THE BASIN WATER LEVEL.
- UNDERWATER JUNCTION BOXES SHALL BE EQUIPPED WITH THREADED CONDUIT ENTRIES AND STRAIN RELIEF SEALS FOR CORD ENTRY. STRAIN RELIEF SEALS SERVING NICHE MOUNTED FIXTURES SHALL MAKE PROVISION FOR BOTH THE FIXTURE CORD AND AN AWG # 8 COPPER BONDING WIRE WHEN REQUIRED BY LOCAL CODE.
- UNDERWATER JUNCTION BOXES, OR JUNCTION BOXES MOUNTED OUTSIDE THE BASIN BUT BELOW THE WATER LEVEL, SHALL BE POTTED USING 3M "GEL-LA" 8882 RE-ENTERABLE POTTING COMPOUNDS. CONDUIT ENTRIES SHALL BE SEALED PRIOR TO POTTING THE JUNCTION BOX TO PREVENT POTTING COMPOUND FROM ENTERING THE CONDUIT SYSTEM.
- STUB-UPS FOR CONDUIT MOUNTED UNDERWATER JUNCTION BOXES MUST BE OF RED BRASS PIPE OR STAINLESS STEEL. NON-METALLIC CONDUIT MAY NOT BE USED FOR SUPPORT OF JUNCTION BOXES.
- WIRE PULLED BETWEEN WATER FEATURE ELECTRICAL CONTROL PANELS AND UNDERWATER JUNCTION BOXES SHALL BE OF STRANDED COPPER, WATER-RESISTANT TYPE SELECTED AND SIZED FOR THE APPLICATION.
- CONDUIT SHALL BE SEALED TO PREVENT ENTRY OF MOISTURE AND TO PREVENT WATER FROM DRAINING INTO THE WATER FEATURE ELECTRICAL CONTROL PANELS.



3525 Piedmont RD NE
Building 8, Suite 320
Atlanta, Georgia 30306
www.hgor.com
p. 404-248-1960
f. 404-248-1092



4600 HWY 123, SAN MARCOS, TX 78667 USA
WWW.FOUNTAINPEOPLE.COM
TEL: (512) 392-1155 FAX: (512) 392-1154

CONSULTANT INFORMATION:

PROJECT TITLE:

**ROSA PARKS SQUARE
RENOVATION PROJECT**
POPLAR STREET
MACON, GEORGIA
MACON-BIBB COUNTY
MACON, GEORGIA

PROJECT NO:
21026
PRINCIPAL IN CHARGE: TF
PROJECT ARCHITECT: MW
DRAWN BY: MW

ISSUE AND DATE:
November 11th, 2021
CONSTRUCTION DOCUMENTS

REVISIONS:
NO. DATE DESCRIPTION

SEAL:

SHEET TITLE:
**GENERAL NOTES,
DESIGN STATEMENT
& EQUIPMENT LIST**

SHEET NO.:
FN-1

REF: FASTEN FOR CONSTRUCTION

FWS WATERSTOP FITTING

PRODUCT SPECIFICATION:
FWS-Series Waterstop Fitting consists of a coupling with an integral waterstop plate, bonding lug and female threaded connections. Construction shall be of cast bronze, copper and brass with a natural finish.

ENGINEERING DATA			
MODEL #	FNPT	Measurements	
		"A"	"B"
FWS-050	1/2"	3-1/2"	1-3/4"
FWS-075	3/4"	3-1/2"	1-3/4"
FWS-100	1"	5"	1-3/4"
FWS-125	1-1/4"	5"	3"
FWS-150	1-1/2"	5"	3"
FWS-200	2"	5"	3"
FWS-300	3"	7"	5-1/4"
FWS-400	4"	7"	5-1/4"

ITEM # 01 QTY(11)

DIV-PL SERIES DIVERTER PLATE

PRODUCT SPECIFICATION:
DIV-PL Series Diverter Plate consists of a 1/8" thick brass (C-channel) bent plate. Construction is brushed natural finish with 5/16" clearance holes for a 1/4" stainless anchors, by installer. DIV-PL Series Diverter Plate is used for either an anti-vortex device or a diverter device in narrow troughs and pool where bi-directional flow is required, and surface turbulence needs to be minimized.

ENGINEERING DATA			
MODEL #	"A"	"B"	"C"
DIV-PL-362U	3	6	2
DIV-PL-602U	6	6	2
DIV-PL-882U	8	8	2
DIV-PL-884U	8	8	4
DIV-PL-894U	8	9	4
DIV-PL-10784U	10	10	4
DIV-PL-12124U	12	12	4
DIV-PL-18184U	18	18	4
DIV-PL-24244U	24	24	4

ITEM # 02 QTY(11)

FAS-08 ANTI-VORTEX/DIVERTER SUMP

PRODUCT SPECIFICATION:
FAS-08 Anti-Vortex/Diverter Plate and Sump: 8" Diameter anti-vortex / diverter plate shall be of cast bronze with integral legs, stainless steel fasteners and natural bronze finish. Sump shall be molded ABS construction with 2" threaded side connection. Includes ABS plug.

NOTES:
REQUIRES 4" THICK CONCRETE AROUND SUMP BODY

ENGINEERING DATA			
MODEL #	FNPT	Measurements	
		SUCTION	DISCHARGE
FAS-08	2"	60 GPM	80 GPM

*FLOW RATES INDICATED ARE BASED ON 1/2" OF OPERATING WATER LEVEL.

ITEM # 03 QTY(2)

R-84-8 ANTI-VORTEX PLATE & SUMP

PRODUCT SPECIFICATION:
R-84 Anti-Vortex/Diverter Sump consists of a 21" square anti-vortex and diverter plate assembly. Sump is heavy-duty fiberglass reinforced polyester construction with black gelcoat interior finish, integral waterstop, sealed PVC pipe connection. The diverter plate is cast bronze with integral legs, stainless steel fasteners, and natural bronze finish.

ENGINEERING DATA			
MODEL #	INLET (PVC PIPE)	Measurements	
		SUCTION	DISCHARGE
R-84-6	6"	300 GPM	400 GPM
R-84-8	8"	400 GPM	600 GPM

ITEM # 04 QTY(4)

FFD-300 SERIES 3" DRAIN

PRODUCT SPECIFICATION:
FFD-300 Series 3" Drain: The floor drain with plug shall consist of a waterstop coupling and a removable threaded drain plug. Construction shall be of cast bronze and brass with a natural finish.

ITEM # 05 QTY(1)

FSD-300 OVERFLOW STANDPIPE

PRODUCT SPECIFICATION:
FSD-300 Overflow Standpipe Drain consists of an integral waterstop flange with female threaded connection, ground screw and a removable standpipe drain with secured dome. Construction is of cast bronze with copper standpipe and cast bronze dome in natural finish.

ITEM # 06 QTY(1)

CWL-002C WATER LEVEL CONTROL SENSOR

PRODUCT SPECIFICATION:
Conduit Mount Water Level Sensor, cast bronze housing base with spun brass cover, dual function water level sensor with 30' feet of integral cable, 3/4" adjustability range. 1/2" female threaded conduit connection.

ITEM # 07 QTY(1)

FWS-050 WATERSTOP FITTING

PRODUCT SPECIFICATION:
FWS-Series Waterstop Fitting consists of a coupling with an integral waterstop plate, bonding lug and female threaded connections. Construction shall be of cast bronze, copper and brass with a natural finish.

ENGINEERING DATA			
MODEL #	FNPT	Measurements	
		"A"	"B"
FWS-050	1/2"	3-1/2"	1-3/4"
FWS-075	3/4"	3-1/2"	1-3/4"
FWS-100	1"	5"	1-3/4"
FWS-125	1-1/4"	5"	3"
FWS-150	1-1/2"	5"	3"
FWS-200	2"	5"	3"
FWS-300	3"	7"	5-1/4"
FWS-400	4"	7"	5-1/4"

ITEM # 08 QTY(1)
ITEM # 12 QTY(5)

ST-EF-200 ADJUSTABLE EYEBALL INLET FITTING

PRODUCT SPECIFICATION:
Fountain People R-85B Adjustable Eyeball Inlet Fitting - constructed of cast machined bronze and brass with a natural finish. 2" FNPT connection with 5/8" orifice size.

ENGINEERING DATA			
MODEL #	FNPT	Flow Rate	
		MINIMUM	MAXIMUM
ST-EF-200	2"	10 GPM	30 GPM

ITEM # 09 QTY(3)

FXPRO-LED-FM-RGBW-32 FLUSH LIGHT FIXTURE

PRODUCT SPECIFICATION:
Stainless Steel Wet/Dry/Underwater Flush Mounted LED light fixture; 7.625" diameter, 304 stainless steel construction. LED light fixture. Fixture includes tempered glass lens with silicone gasket and 20 feet of 500W submersible cable. The fixture is 32 watt standard depth configuration with outdoor DMX.

SEE SHEET FE-1 FOR FIXTURE APPLICATION

Feature Dimensions		5.9" Light Diameter
Submersible Rating		6.5 Feet
Input Voltage		24VDC
Cable Length		20 feet, 30.5
Power Usage		32 watts
Dimming Capability		Yes
Color		RGBW (Red, Green, Blue, White)
LED Diode Quantity		16 (4 watts each)
Beam Angle		25 Degrees (fixed)
Lens Material		Tempered Glass

Feature Construction		Type 316L stainless steel (light fixture & cable)
Fixture seal		Silicone
Application Location		Underwater, Wet or Dry
LED Diode Lifespan		>50,000 hours
Warranty		3 Years
Certifications/Standards		UL Listed, cUL Listed, CSA, IP68

ITEM # 10 QTY(20)

JB8-4-100 JUNCTION BOX

PRODUCT SPECIFICATION:
Junction box, conduit mounts, UL listed, under water cast bronze junction box with integral grounding lug, neoprene gasket, 1" FNPT bottom power connection, and four (4) 1/4" FNPT side connections for lights. Includes brass cord seals with proper grommet setting based on light cord requirement. Plugs will be furnished for any unused/spare connections.

ITEM # 11 QTY(5)

PC-882 POTTING COMPOUND

PRODUCT SPECIFICATION:
PC-882 Potting Compound is made for encapsulating wire connections within electrical junction boxes. Potting compound adheres well and pulls away cleanly for fast re-entry. Prevents moisture in junction boxes.

ENGINEERING DATA		
POTTING COMPOUND	OZ.	IN ³
PC-882-C	2-PT	12.3 22
PC-882-D	2-PT	21.3 30

ITEM # 13 QTY(10)

AN-1D WIND ANEMOMETER

PRODUCT SPECIFICATION:
AN-1D Wind Anemometer - UL Listed molded 3 collector anemometer, consists of polycarbonate constructed with UV inhibitors, beryllium copper shaft and teflon bearings. 18/3 shielded cable required.

ITEM # 14 QTY(1)

DBVG-23527 DIRECT BURIAL VAULT

PRODUCT SPECIFICATION:
Direct Burial Vault: Heavy duty FRP enclosure measuring 9'7" x 7'9" x 8'11" deep, that is structurally engineered and certified for in-ground installation. Furnished with 30" x 30" lockable tile set access hatch. The vault includes (1) 1/2 HP filter pump, 7400 and filter, (1) 20-HP sump pump with large volume integral basket strainer, 20-HP variable frequency drive, 1" connection cold water fill manifold, 2.0-HP sump pump assembly, forced air ventilation system, LED lighting Panel with surface mounted DS touch interface controller, and external power supplies, a UL electrical control panel with pump starters and motor protectors, digital timeclocks, HOA switches, water level control relays, programmable logic controller, and main disconnect switch. Unit is factory engineered, assembled and tested prior to shipment.

SEE SHEETS FM-4 & FM-5 FOR SPECIFIC VAULT INSTALLATION INFORMATION

ITEM # 15 QTY(1)

VCA-600 VENT CAP

PRODUCT SPECIFICATION:
Vent Cap Assembly, cast iron construction, 6" connection

ITEM # 16 QTY(2)

WTC-920-P23527 CHEMICAL FEEDER VALVE BOX

PRODUCT SPECIFICATION:
Valve box, 1'7" x 2'0" with lockable lid, erosion style chemical feeder and two (2) 2" PVC isolation valve assemblies, for water treatment systems.

ITEM # 17 QTY(1)

HGOR

3525 Piedmont RD NE
Building 8, Suite 320
Atlanta, Georgia 30306
www.hgor.com
p. 404-248-1960
f. 404-248-1092

CONSULTANT LOGO:

fountain people
A PLAYCORE Company

4600 HWY 123, SAN MARCOS, TX 78667 USA
WWW.FOUNTAINPEOPLE.COM
TEL: (512) 392-1155 FAX: (512) 392-1154

CONSULTANT INFORMATION:

PROJECT TITLE:

**ROSA PARKS SQUARE
RENOVATION PROJECT**

POPLAR STREET
MACON, GEORGIA
MACON-BIBB COUNTY
MACON, GEORGIA

PROJECT NO:
21026

PRINCIPAL IN CHARGE: TF
PROJECT ARCHITECT:
DRAWN BY: MW

ISSUE AND DATE:
November 11th, 2021

CONSTRUCTION DOCUMENTS

REVISIONS:

NO.	DATE	DESCRIPTION

SEAL:

SHEET TITLE:
**FOUNTAIN
EQUIPMENT DETAILS
SHEET**

SHEET NO.:
FD-1

REV: FASTEN FOR CONSTRUCTION

CONSULTANT LOGO:



fountain people
 A FLAYCORE Company

4600 HWY 123, SAN MARCOS, TX 78667 USA
 WWW.FOUNTAINPEOPLE.COM
 TEL: (512) 392-1155 FAX: (512) 392-1154

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REVISIONS:
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SEAL:

SHEET TITLE:

**FOUNTAIN
 SUCTION, DRAIN
 & VENT PIPING PLAN**

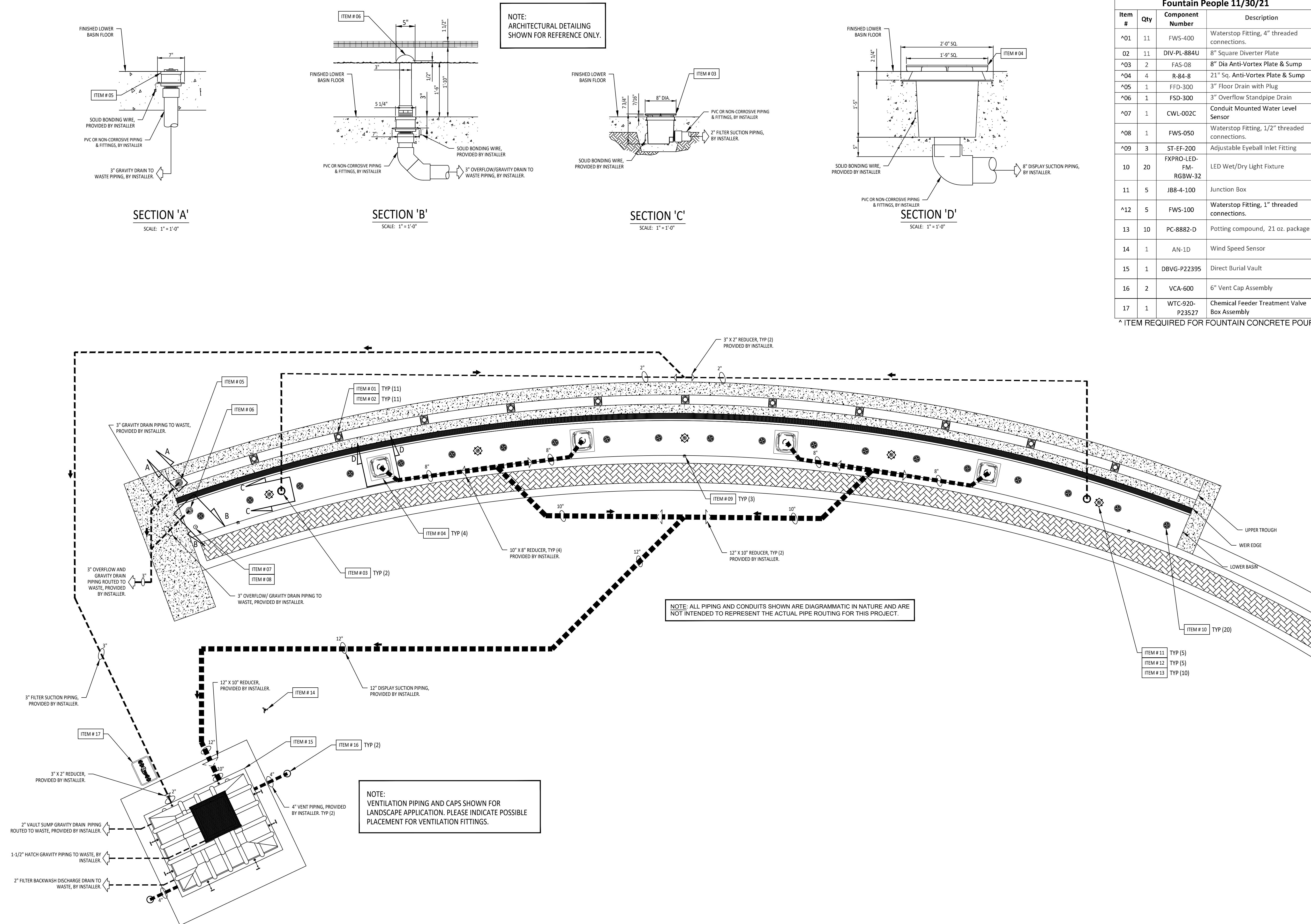
SHEET NO.:

FM-2

REF: FASTEN FOR CONSTRUCTION

Rosa Parks Square Equipment List Fountain People 11/30/21			
Item #	Qty	Component Number	Description
*01	11	FWS-400	Waterstop Fitting, 4" threaded connections.
02	11	DIW-PL-884U	8" Square Diverter Plate
*03	2	FAS-08	8" Dia Anti-Vortex Plate & Sump
*04	4	R-84-8	21" Sq. Anti-Vortex Plate & Sump
*05	1	FFD-300	3" Floor Drain with Plug
*06	1	FSD-300	3" Overflow Standpipe Drain
*07	1	CWL-002C	Conduit Mounted Water Level Sensor
*08	1	FWS-050	Waterstop Fitting, 1/2" threaded connections.
*09	3	ST-EF-200	Adjustable Eyeball Inlet Fitting
10	20	FXPRO-LED-FM-RGBW-32	LED Wet/Dry Light Fixture
11	5	JBB-4-100	Junction Box
*12	5	FWS-100	Waterstop Fitting, 1" threaded connections.
13	10	PC-8882-D	Potting compound, 21 oz. package
14	1	AN-1D	Wind Speed Sensor
15	1	DBVG-P22395	Direct Burial Vault
16	2	VCA-600	6" Vent Cap Assembly
17	1	WTC-920-P23527	Chemical Feeder Treatment Valve Box Assembly

* ITEM REQUIRED FOR FOUNTAIN CONCRETE POUR.



NOTE:
 ARCHITECTURAL DETAILING
 SHOWN FOR REFERENCE ONLY.

NOTE: ALL PIPING AND CONDUITS SHOWN ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO REPRESENT THE ACTUAL PIPE ROUTING FOR THIS PROJECT.

NOTE:
 VENTILATION PIPING AND CAPS SHOWN FOR
 LANDSCAPE APPLICATION. PLEASE INDICATE POSSIBLE
 PLACEMENT FOR VENTILATION FITTINGS.

CONSULTANT LOGO:



fountain people
 A FLAYCORE Company
 4600 HWY 123, SAN MARCOS, TX 78667 USA
 WWW.FOUNTAINPEOPLE.COM
 TEL: (512) 392-1155 FAX: (512) 392-1154

CONSULTANT INFORMATION:

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 RENOVATION PROJECT**
 POPLAR STREET
 MACON, GEORGIA
 MACON-BIBB COUNTY
 MACON, GEORGIA

PROJECT NO:
21026

PRINCIPAL IN CHARGE: TF
 PROJECT ARCHITECT: MW
 DRAWN BY: MW

ISSUE AND DATE:
 November 11th, 2021

CONSTRUCTION DOCUMENTS

REVISIONS:
 NO. DATE DESCRIPTION

SEAL:

SHEET TITLE:

**FOUNTAIN
 DISCHARGE & FILL
 PIPING PLAN**

SHEET NO.:

FM-3

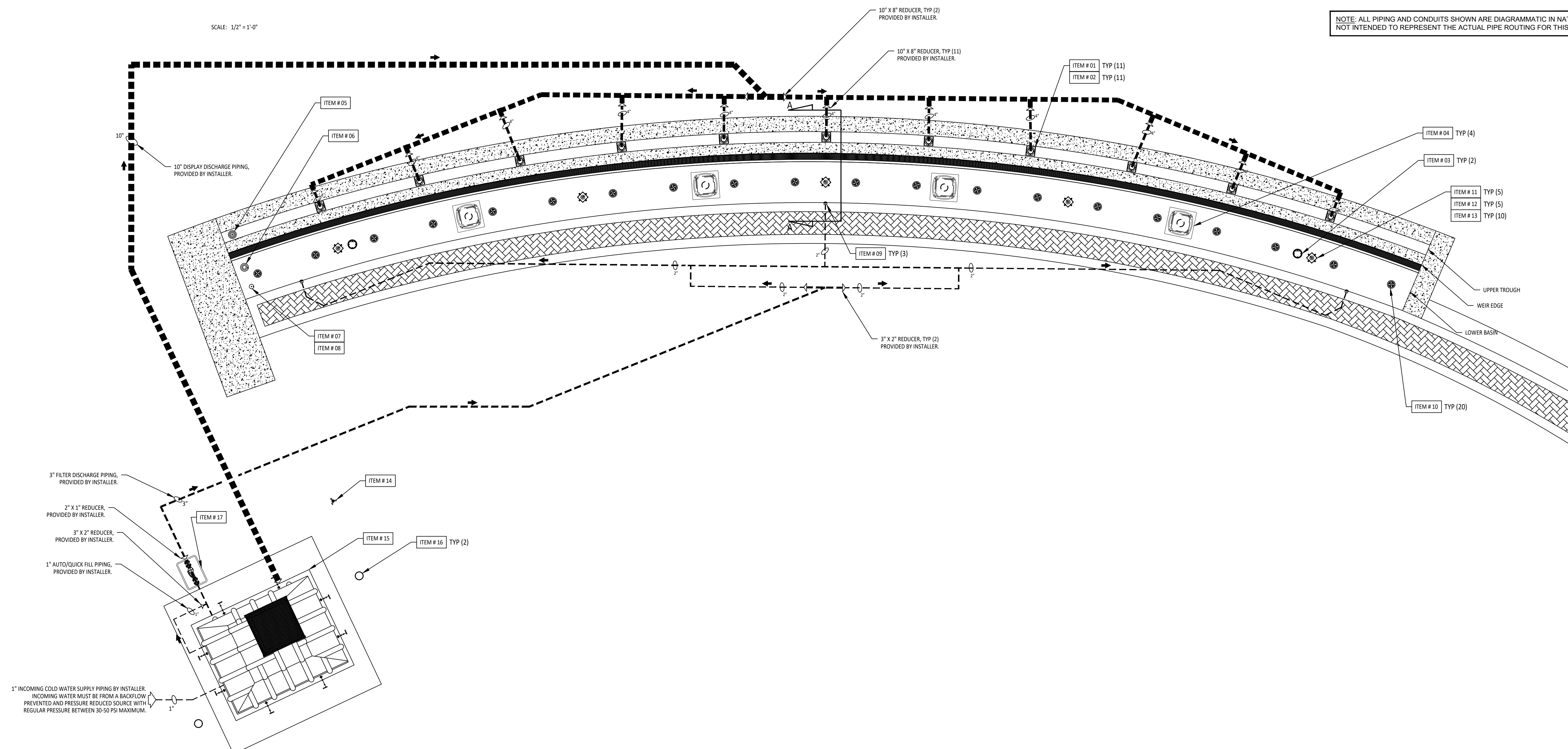
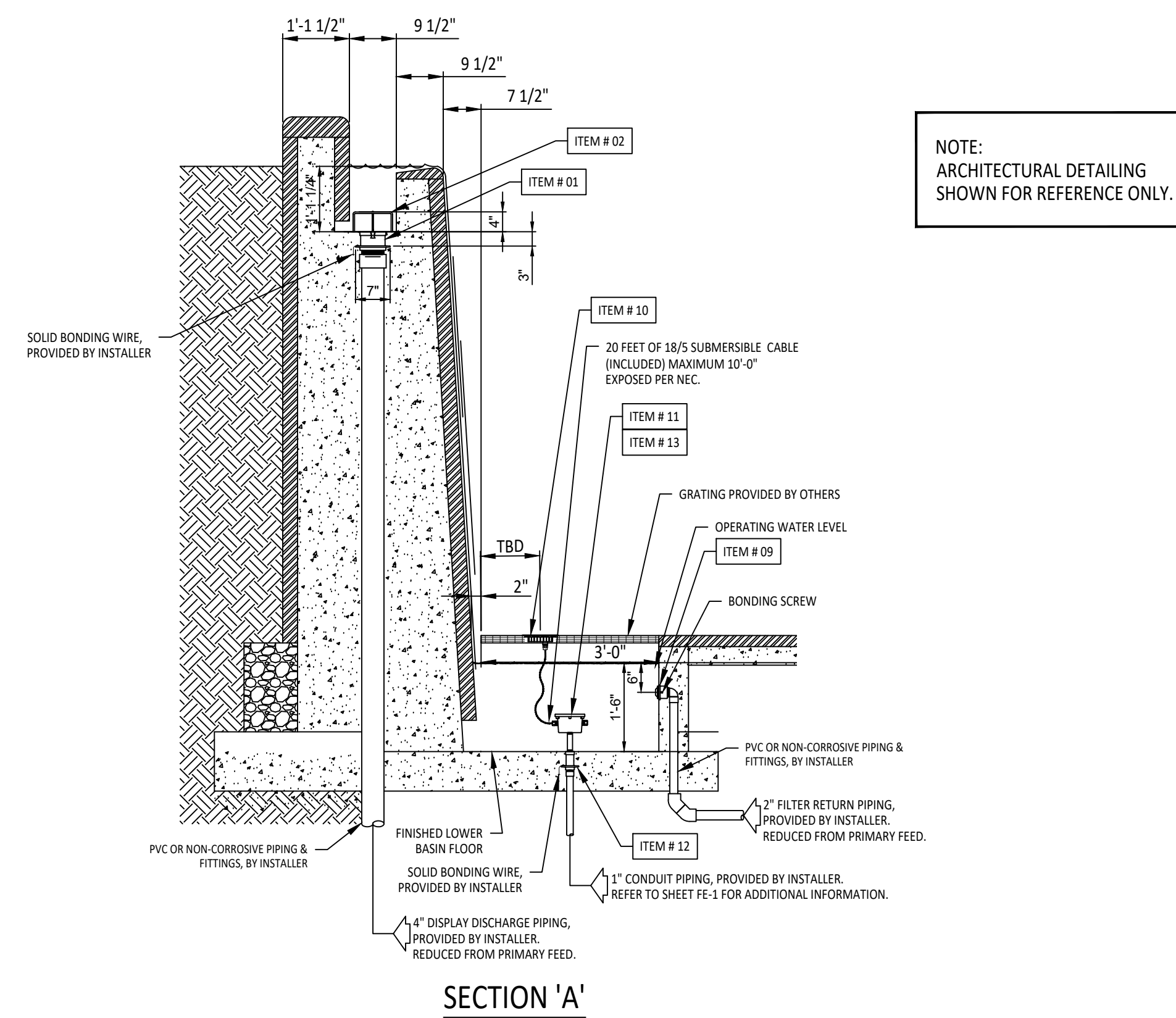
REF: FASEN FOR CONSTRUCTION

**Rosa Parks Square
 Fountain People 11/30/21
 Equipment List**

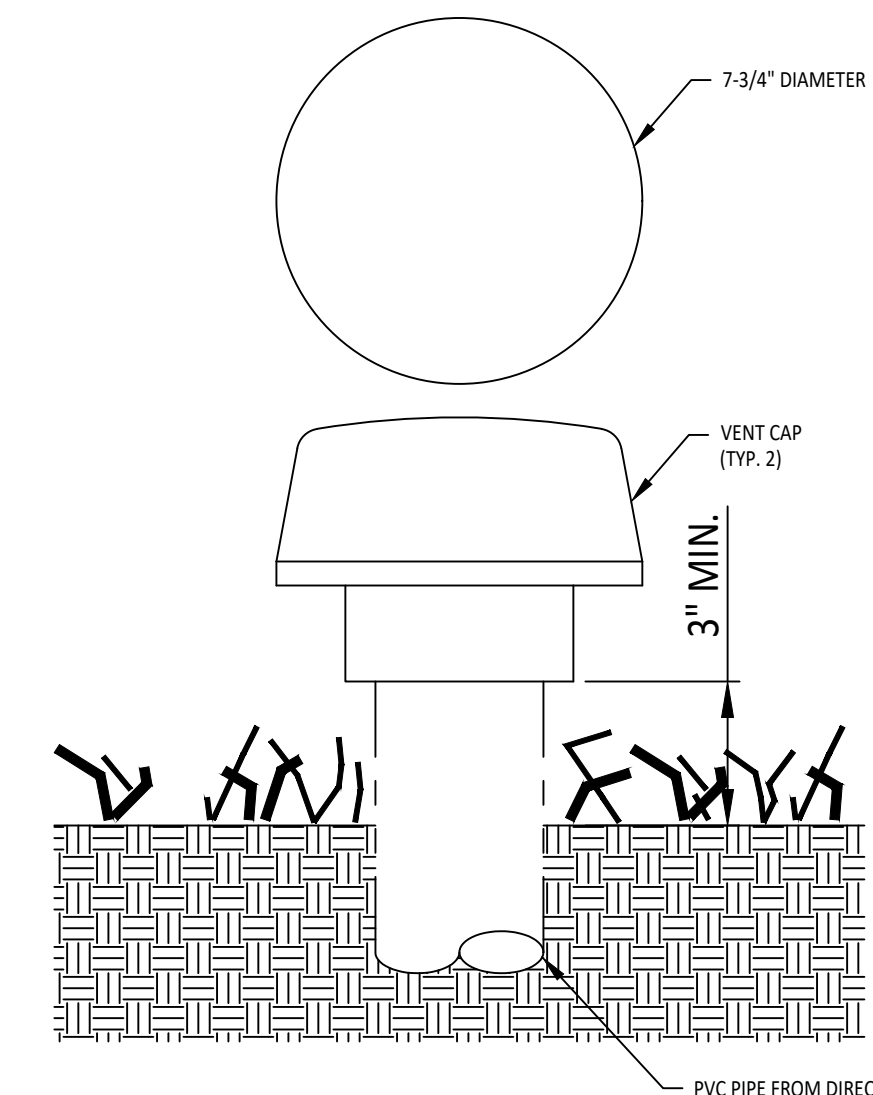
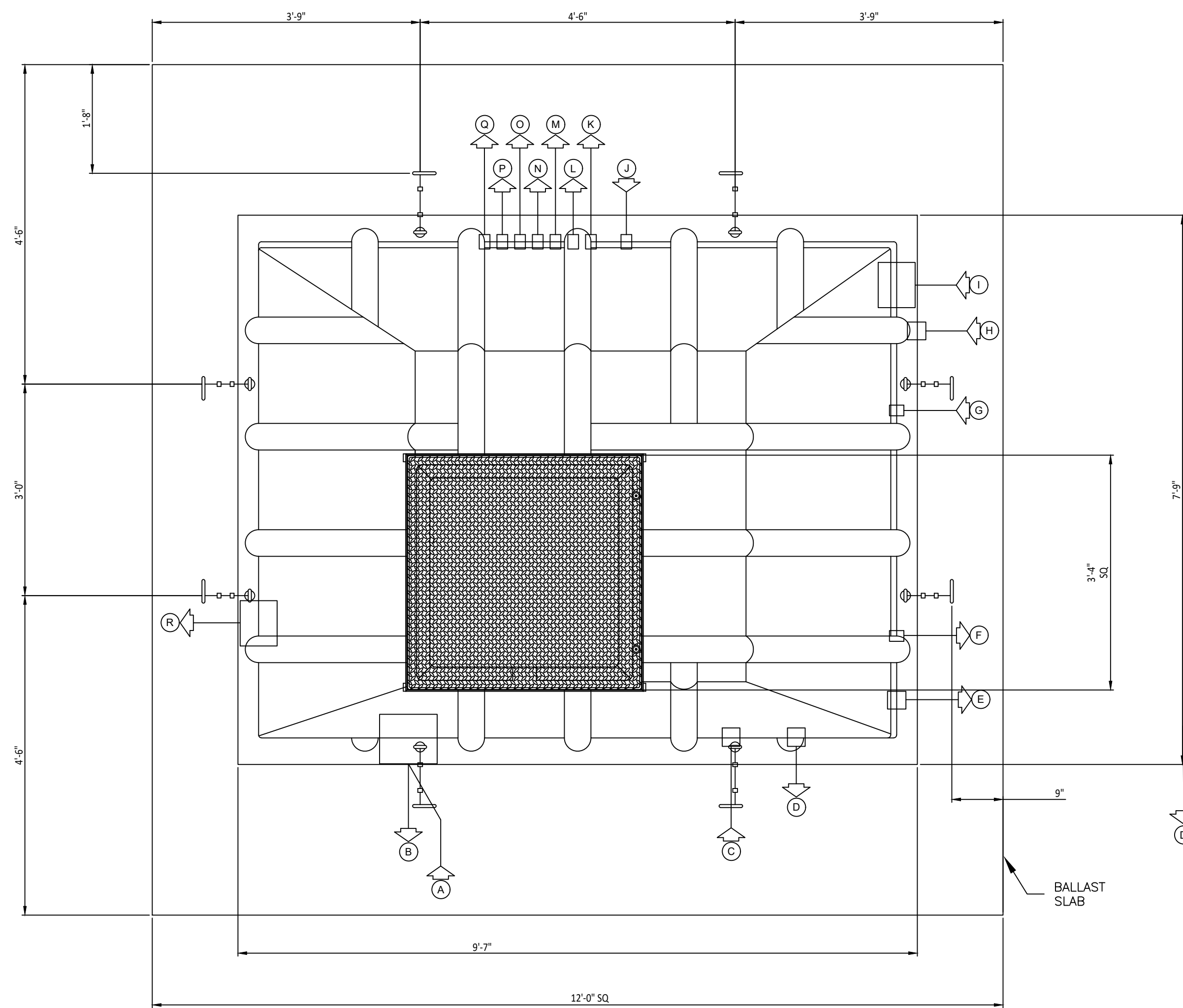
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15	1	DBVG-P22395	Direct Burial Vault
16	2	VCA-600	6" Vent Cap Assembly
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* ITEM REQUIRED FOR FOUNTAIN CONCRETE POUR.

NOTE: ALL PIPING AND CONDUITS SHOWN ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO REPRESENT THE ACTUAL PIPE ROUTING FOR THIS PROJECT.



1" INCOMING COLD WATER SUPPLY PIPING BY INSTALLER. INCOMING WATER MUST BE FROM A BACKFLOW PREVENTED AND PRESSURE REDUCED SOURCE WITH REGULAR PRESSURE BETWEEN 30-50 PSI MAXIMUM.



VENT CAP DETAIL
 SCALE: AS SHOWN

SEE FM-5 FOR ADDITIONAL INSTALLATION INFORMATION

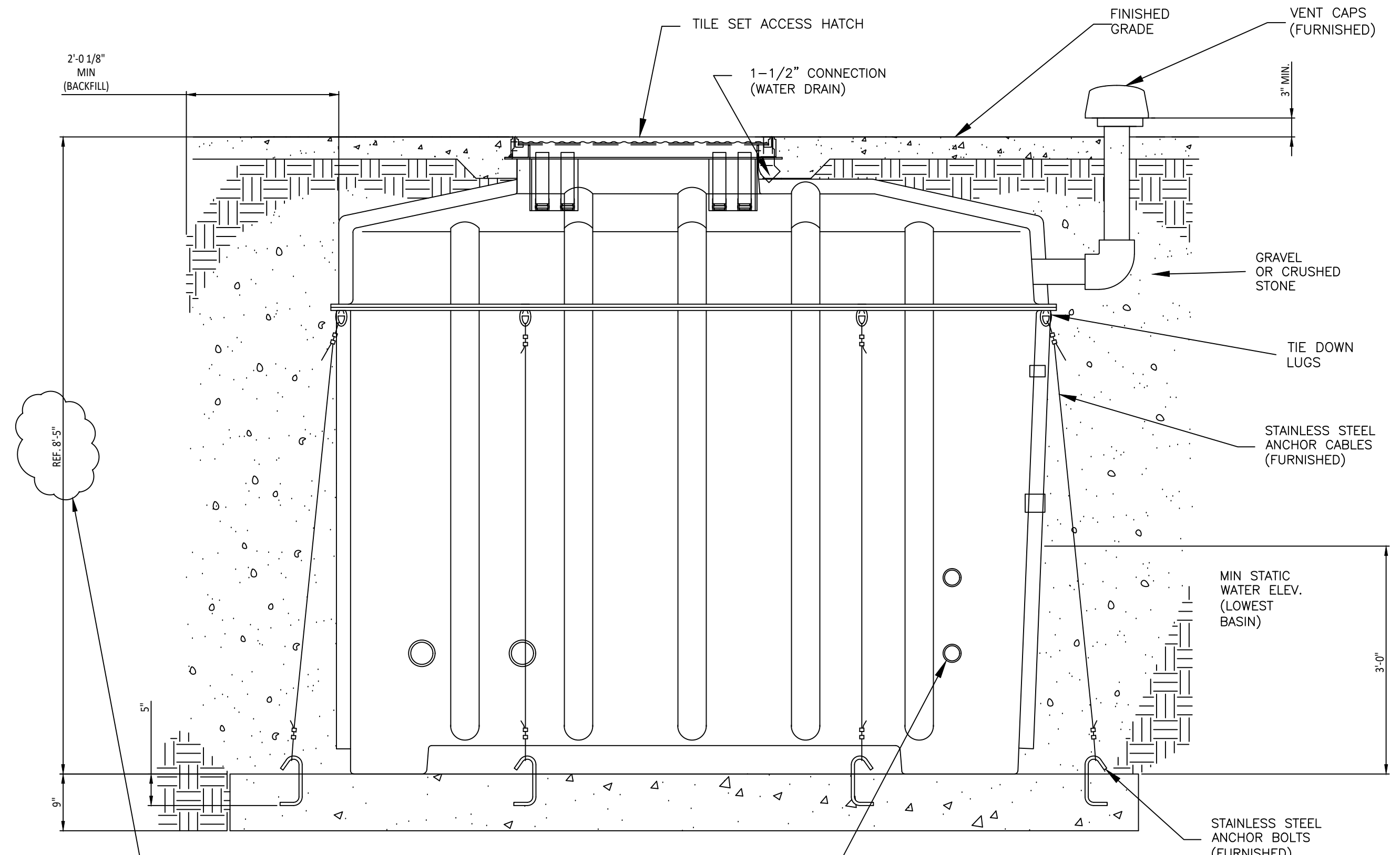
INSTALLER CONNECTION NOTIFICATION

DUE TO FINAL FABRICATION PROCESSES, THE LOCATIONS FOR ALL PENETRATIONS INDICATED ARE "APPROXIMATE".

IN THE EVENT SPECIFIC LOCATIONS ARE REQUIRED DUE TO FIELD CONDITIONS, AVOIDANCE OF OTHER TRADES, ETC., PLEASE CONTACT FOUNTAIN PEOPLE.

SYSTEM POWER REQUIREMENT:
 120/208V, THREE PHASE, 4-WIRE FEEDER + GND. @ 125.0 AMPS
 CONTACT FACTORY IMMEDIATELY IF NOT AVAILABLE.

PIPING/CONDUIT LEGEND		
SYM	SIZE	DESCRIPTION
(A)	8"	DISPLAY DISCHARGE, INSTALLER TO INCREASE PIPE SIZE TO 10" IMMEDIATELY.
(B)	10"	DISPLAY SUCTION PIPING, INSTALLER TO INCREASE PIPE SIZE TO 12" IMMEDIATELY.
(C)	2"	FILTER SUCTION PIPING CONNECTION
(D)	2"	FILTER DISCHARGE PIPING, INSTALLER TO INCREASE PIPE SIZE TO 3" IMMEDIATELY.
(E)	2"	SUMP PUMP DISCHARGE (TO AIR GAP WASTE, BY INSTALLER)
(F)	1"	WATER FILL/MAKE-UP TO 2" FILTER RETURN PIPING, OUTSIDE VAULT, BY INSTALLER
(G)	1"	C/W'S, IN FROM CODE COMPLIANT, BACKFLOW PROTECTED SOURCE; REGULATE WATER PRESSURE DOWN TO 30 PSI MAX., 20 PSI MIN., BY INSTALLER
(H)	2"	SAND FILTER BACKWASH DISCHARGE (TO AIR GAP WASTE, BY INSTALLER)
(I)	6"	PVC 'SOCKET' INTAKE VENT
(J)	2"	120/208V, THREE-PHASE, 4-WIRE FEEDER + GND. @ 125 AMPS
(K)	1"	CONDUIT FROM VAULT TO JUNCTION BOX (FOR LIGHTS)
(L)	1"	CONDUIT FROM VAULT TO JUNCTION BOX (FOR LIGHTS)
(M)	1"	CONDUIT FROM VAULT TO JUNCTION BOX (FOR LIGHTS)
(N)	1"	CONDUIT FROM VAULT TO JUNCTION BOX (FOR LIGHTS)
(O)	1"	CONDUIT FROM VAULT TO JUNCTION BOX (FOR LIGHTS)
(P)	3/4"	WATER LEVEL SENSOR CONDUIT FROM VAULT TO JUNCTION BOX
(Q)	1/2"	CONDUIT FROM VAULT TO WIND ANEMOMETER
(R)	6"	PVC 'SOCKET' EXHAUST VENT



CONFIGURATION OF PLUMBING & ELECTRICAL CONNECTIONS ARE SUBJECT TO DESIGN CRITERIA
 NOTE: INTERCONNECTING PIPE, CONDUIT AND WIRE BY INSTALLER
 DO NOT LIFT FROM TIE DOWN LUGS!

ADVISORY

THE CONSTRUCTION OF THE DBV-SERIES DIRECT-BURIAL VAULT IS INTENDED FOR "DRY" INSTALLATION ONLY!

ANY PROLONGED OR TEMPORARY EXCESS GROUND WATER SURROUNDING THE VAULT MAY CAUSE INTERNAL LEAKS. THIS INCLUDES, BUT IS NOT LIMITED TO; INSTALLED GROUND IRRIGATION, RAIN, STORM RUNOFF, FLOODING OR OTHER WATER INTRODUCING EVENT.

IN THE EVENT THESE CONDITIONS MAY BE PRESENT AT ANYTIME, IT IS "NOT THE RESPONSIBILITY" OF THE FOUNTAIN PEOPLE TO MAKE ANY RECOMMENDATIONS BEYOND THE SCOPE OF THIS DRAWING PACKAGE. THE OWNER, LANDSCAPE ARCHITECT, ARCHITECT, SPECIFICATION WRITER AND/OR THE INSTALLER WILL COORDINATE AS NEEDED WITH THE PROPER SITE CIVIL ENGINEER TO CREATE A SUITABLE, PERMANENT INSTALLATION ENVIRONMENT FOR THE VAULT. ANY ADDITIONAL COSTS ASSOCIATED WITH OBTAINING THESE SERVICES ARE NOT THE RESPONSIBILITY OF THE FOUNTAIN PEOPLE.

PROJECT TITLE:

ROSA PARKS SQUARE
 RENOVATION PROJECT
 POPLAR STREET
 MACON, GEORGIA
 MACON-BIBB COUNTY
 MACON, GEORGIA

PROJECT NO:
 21026

PRINCIPAL IN CHARGE: TF
 PROJECT ARCHITECT: MW
 DRAWN BY: MW

ISSUE AND DATE:
 November 11th, 2021

CONSTRUCTION DOCUMENTS

REVISIONS:
 NO. DATE DESCRIPTION

SEAL:

SHEET TITLE:
 DBVG-P23527
 DIRECT BURIAL VAULT
 INSTALLATION DETAILS
 SHEET 1 OF 2

SHEET NO.:
 FM-4

REF: FASTEN FOR CONSTRUCTION

INSTALLATION INSTRUCTIONS

Receiving the Vault

Upon arrival of vault, check both interior and exterior for shipping damage. Report any damage to the freight carrier and Fountain People, Inc. immediately. If vault is free of damage, proceed with installation. If equipment vault is not to be installed immediately, store in a covered area safe from flooding. If a sand filter is used, filtration sand must be provided and installed by others.

Excavation

Excavate as required and pour a flat ballast slab of size indicated on the drawing. Ballast slab should be reinforced with grid using #4 re-bar on 12" centers. Stainless steel anchor hooks should be tied to the reinforcing grid and located as detailed.

Installing the Vault in the Excavation

Rig vault with straps, taking care not to damage housing or piping connections. Do not use chains or cables to rig vault. Lower vault onto the ballast slab and secure using the stainless steel hardware provided. If the vault is to be secured with cables, loop the stainless steel anchor cables (provided) around slab anchor hooks and through the tie-down lugs on vault. Secure cables with the connection hardware provided. Remove slack from the cables then tighten the cable clamps to the torque rating indicated on the thimble tag provided. Do not over-tighten the cables.

Safeguarding the Vault

If the vault is equipped with forced air ventilation, sump pumps, or gravity drains, these must be connected and made operational immediately. Do not allow excavation to fill with water prior to backfilling as the vault may flood through an opening or attempt to float and damage fittings or anchoring hardware.

Connecting the Vault

Connect all piping and conduit, as required, to connections provided on vault exterior. Do not externally load the vault connections or allow the connections to support the weight of the connected piping. If the piping is not supported properly, soil settling can result in excessive loading on the piping. This can result in broken piping and misaligned connections in the vault.

Wiring the Vault

Conduit wiring must be sealed to prevent water from entering the vault through the conduit.

Pressure Testing the Connections

Pressure test all piping connected to vault to insure there are no leaks. All equipment and piping within vault has been factory pressure tested. Do not exceed 30 PSI in pressure testing any piping connected to vault.

Ventilation Connections

If external vent piping is required, route it with as few bends as possible to a location safe from flooding. Length of vent piping should be as short as possible and should not exceed 20'-0". If a longer piping length is necessary, contact The Fountain People, Inc. Vent caps, if used, should be installed on ends of vent piping immediately to prevent rain or debris from entering the vent piping.

Backfilling

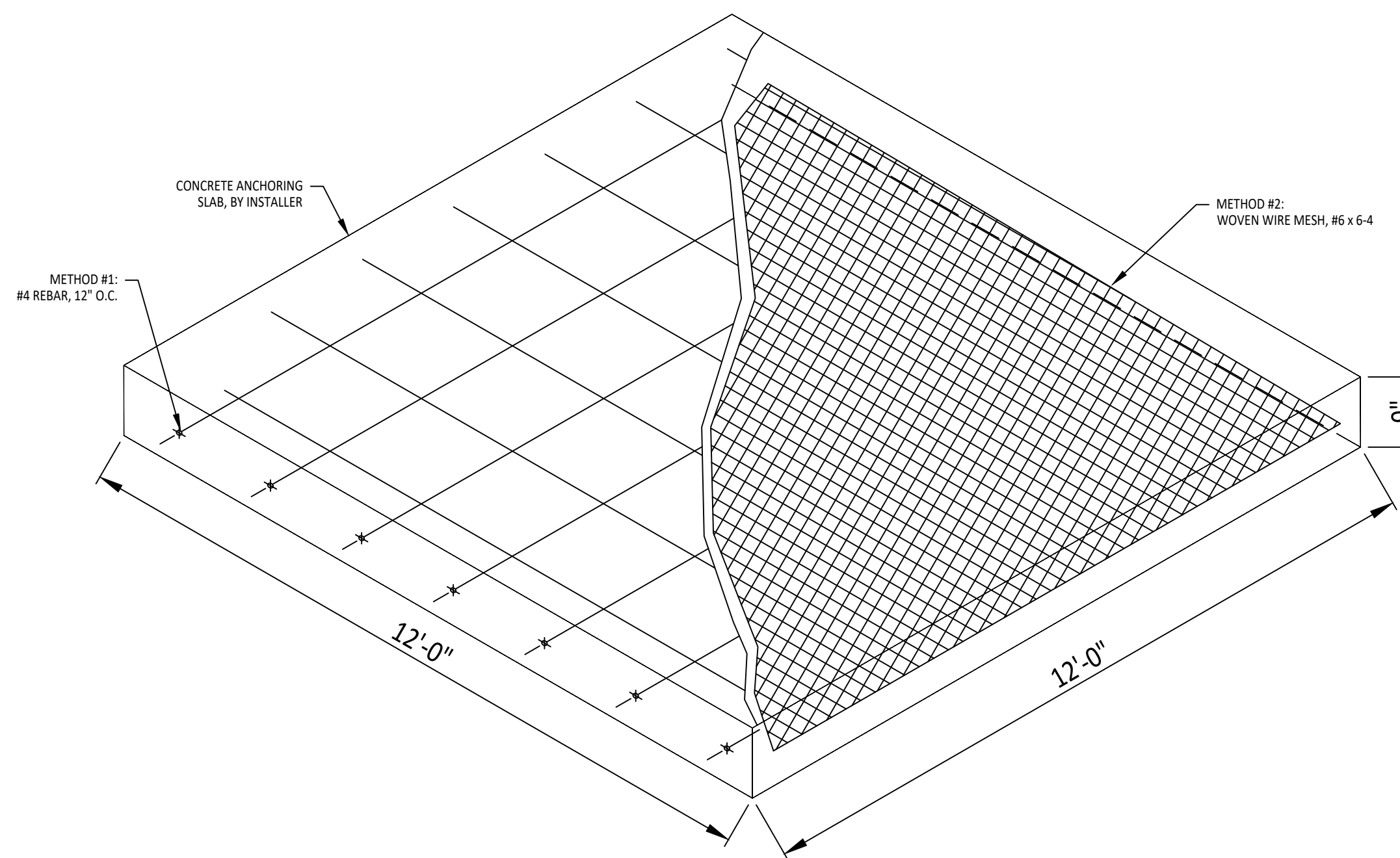
When backfilling, protect open ends of all piping to prevent backfill material from entering the piping system. Backfill material should be a rounded gravel or crushed stone (1/4" to 3/4" Max. and less than 5% fines). There should be at least 2'-0" of backfill material on all sides of vault between the vault and the surrounding earth. The top of the access hatch should be above finished grade (as indicated on the drawing) and located in an area that is safe from flooding. DO NOT USE SAND OR DIRT FOR BACKFILL. If the surrounding earth has poor drainage provide some means for water to drain away from the vault.

FAILURE TO FOLLOW ALL THE ABOVE PROCEDURES COULD RESULT IN SERIOUS DAMAGE TO THE EQUIPMENT AND WILL VOID THE WARRANTY ON THIS PRODUCT.

For any questions concerning these installation instructions or the installation of the vault system please contact Fountain People, Inc. at (512) 392-1155.

NOTICE TO INSTALLER

ALL GENERAL VAULT INSTALLATION, SITE PREPARATION AND "MEP" WORK SHOWN ARE PRESENTED AS MINIMUM REQUIREMENTS. STATE, COUNTY AND LOCAL CODES MAY REQUIRE ADDITIONAL CONSTRUCTION AND INSTALLATION METHODS TO COMPLY WITH LOCAL ORDINANCES. INSTALLER TO COORDINATE WITH GENERAL CONTRACTOR ON ANY SPECIFIC SITE INSTALLATION REQUIREMENTS.



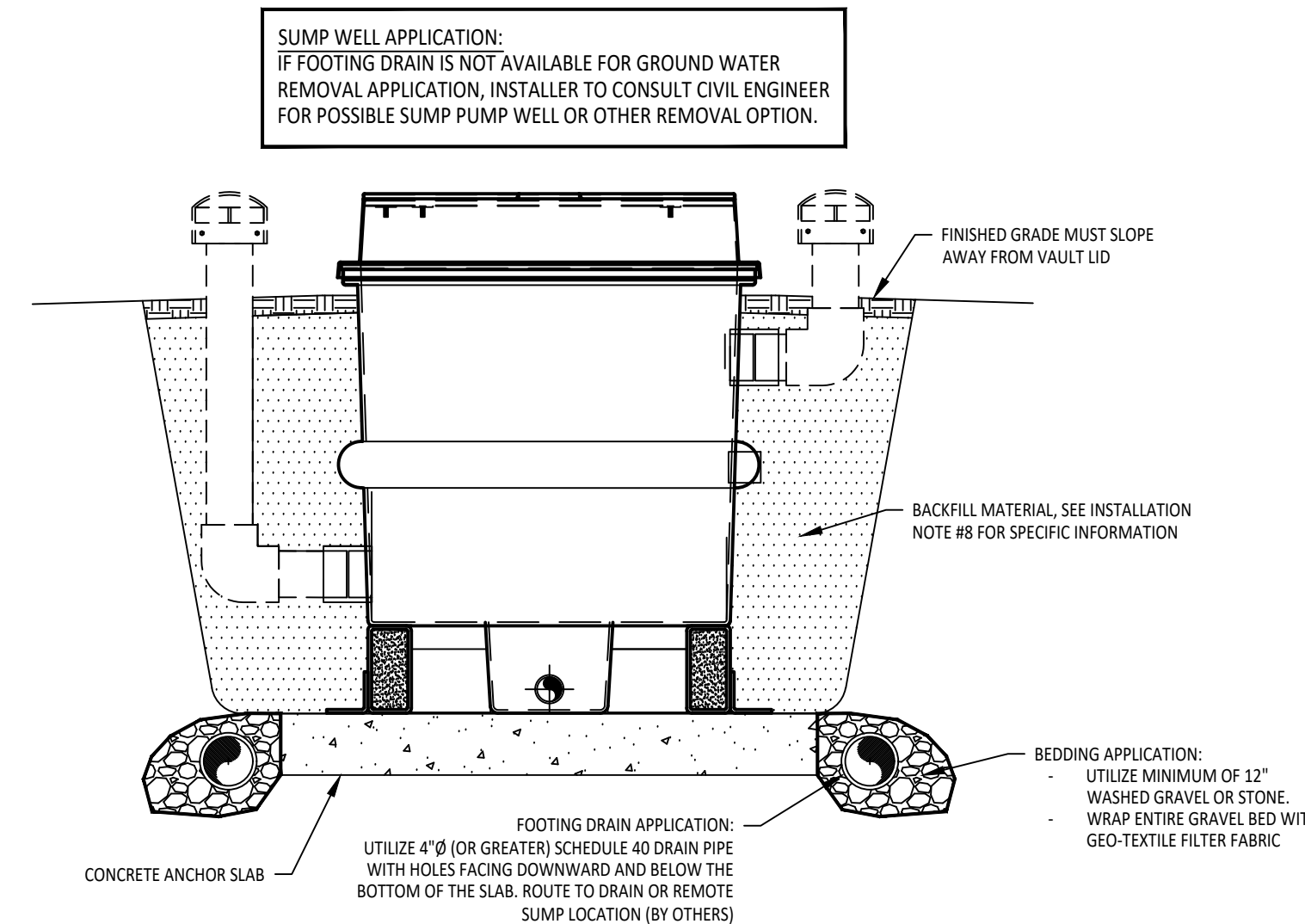
DUE TO FINAL ASSEMBLY AND DRILL LOCATIONS IN THE FIBERGLASS FROM THE FACTORY, INSTALLER TO FIELD VERIFY FINAL ANCHOR HOLE POSITIONS PRIOR TO LOCATING AND INSTALLING ANCHORS IN THE CONCRETE SLAB.
CONFIRM FINAL VAULT HEIGHT DIMENSION PRIOR TO SETTING AND POURING OF PAD!

CONCRETE ANCHOR SLAB

SCALE: NONE

SEE FM-4 FOR ADDITIONAL INSTALLATION INFORMATION

DBV-SERIES GROUND WATER REMOVAL APPLICATION (IF REQUIRED, BY INSTALLER)



ADVISORY

THE CONSTRUCTION OF THE G-SERIES DIRECT-BURIAL VAULT IS INTENDED FOR "DRY" INSTALLATION ONLY!

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CONSULTANT LOGO:



fountain people

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TEL: (512) 392-1155 FAX: (512) 392-1154

CONSULTANT INFORMATION:

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MACON, GEORGIA
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DRAWN BY: MW

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CONSTRUCTION DOCUMENTS

REVISIONS:

NO.	DATE	DESCRIPTION

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SHEET TITLE:

DBVG-P23527
DIRECT BURIAL VAULT
INSTALLATION DETAILS
SHEET 2 OF 2

SHEET NO:

FM-5

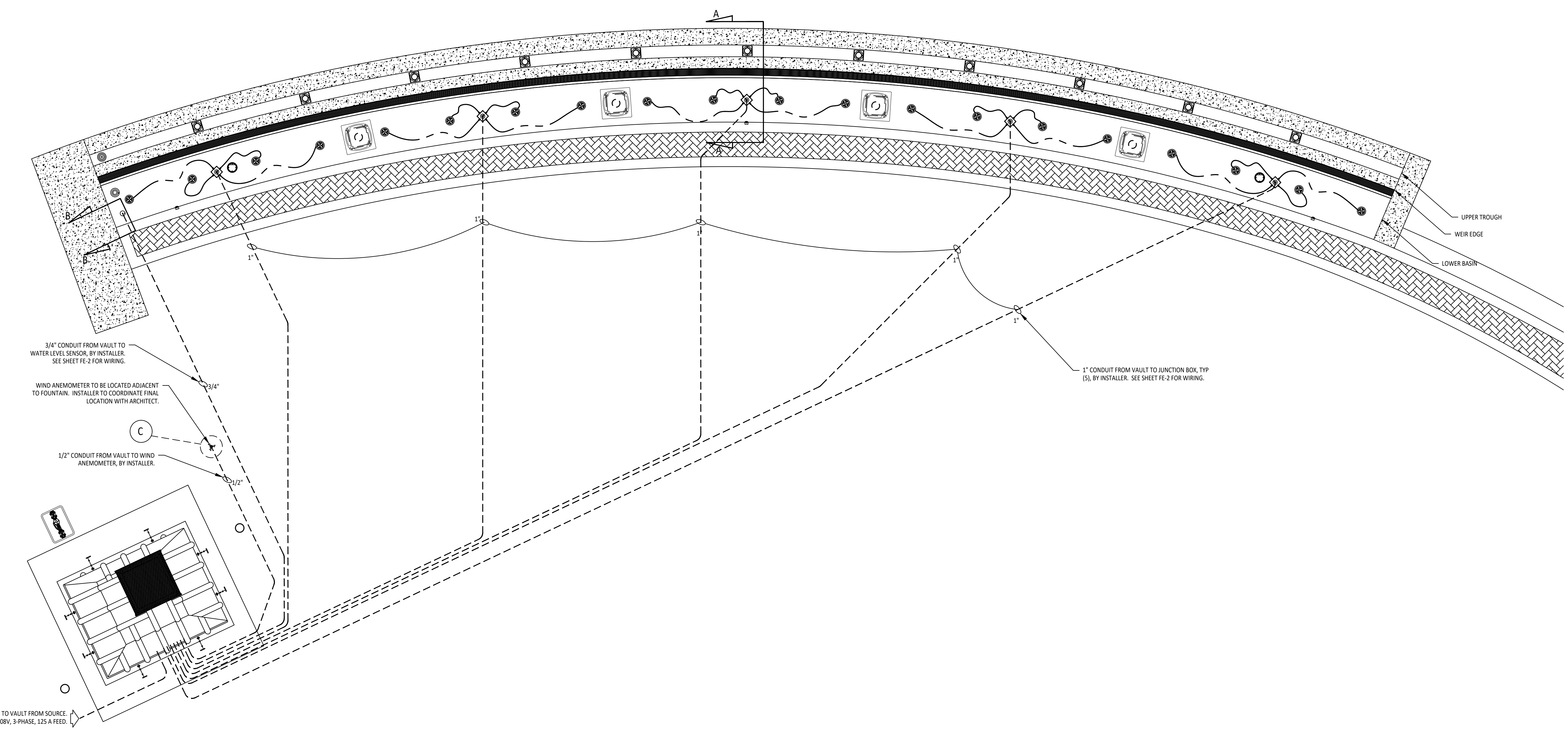
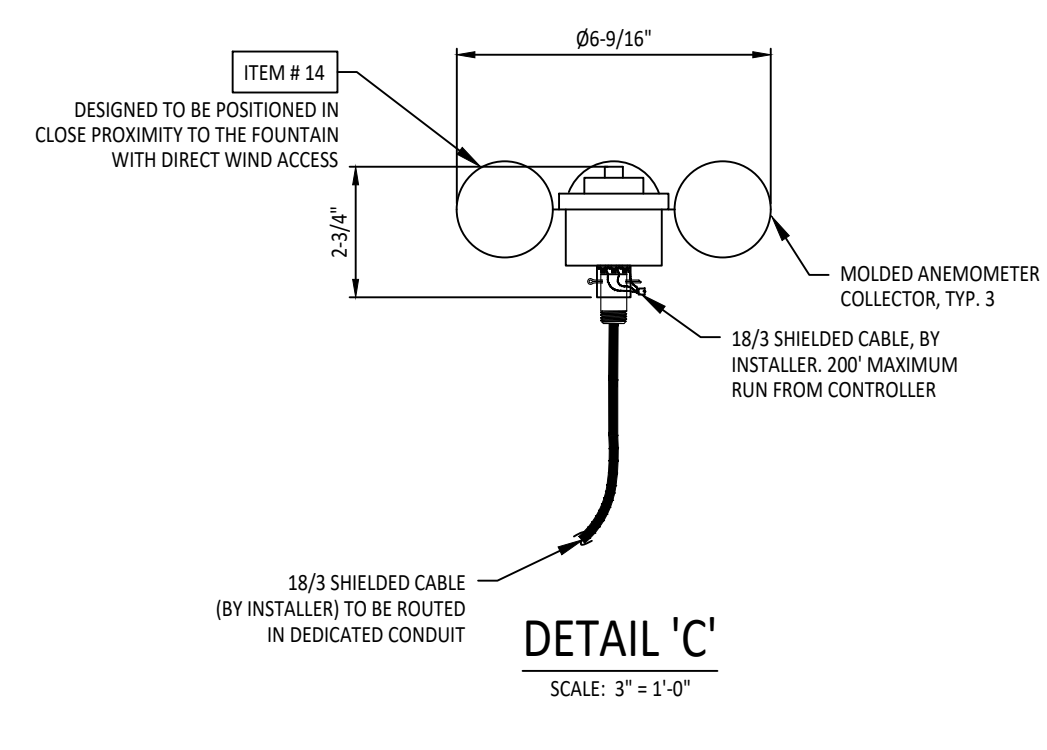
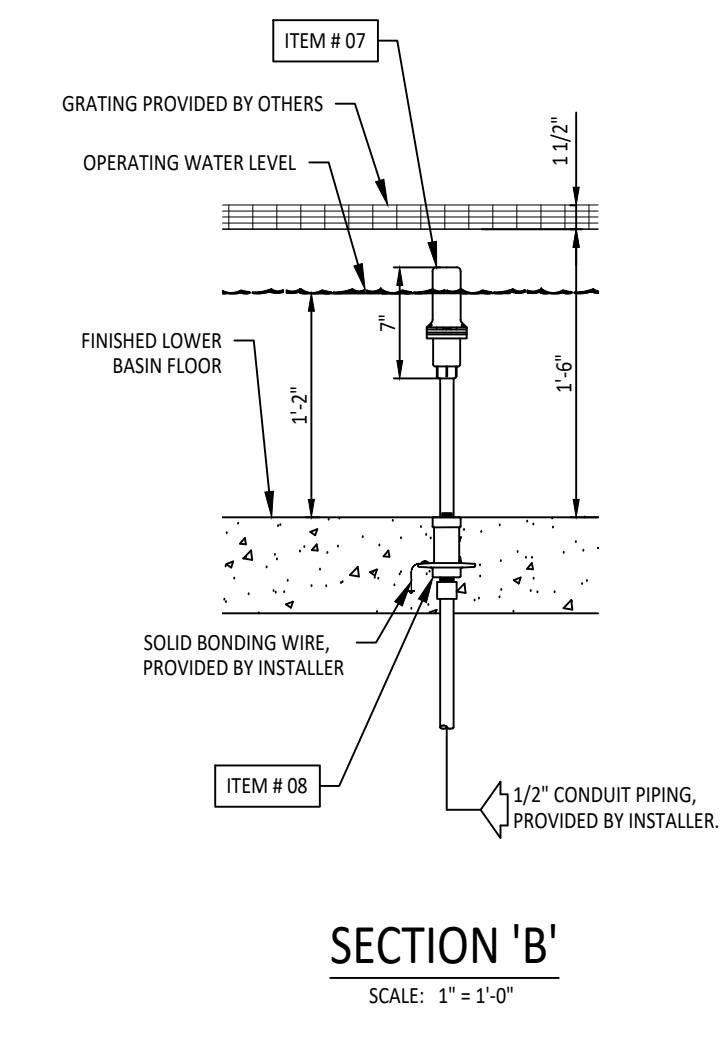
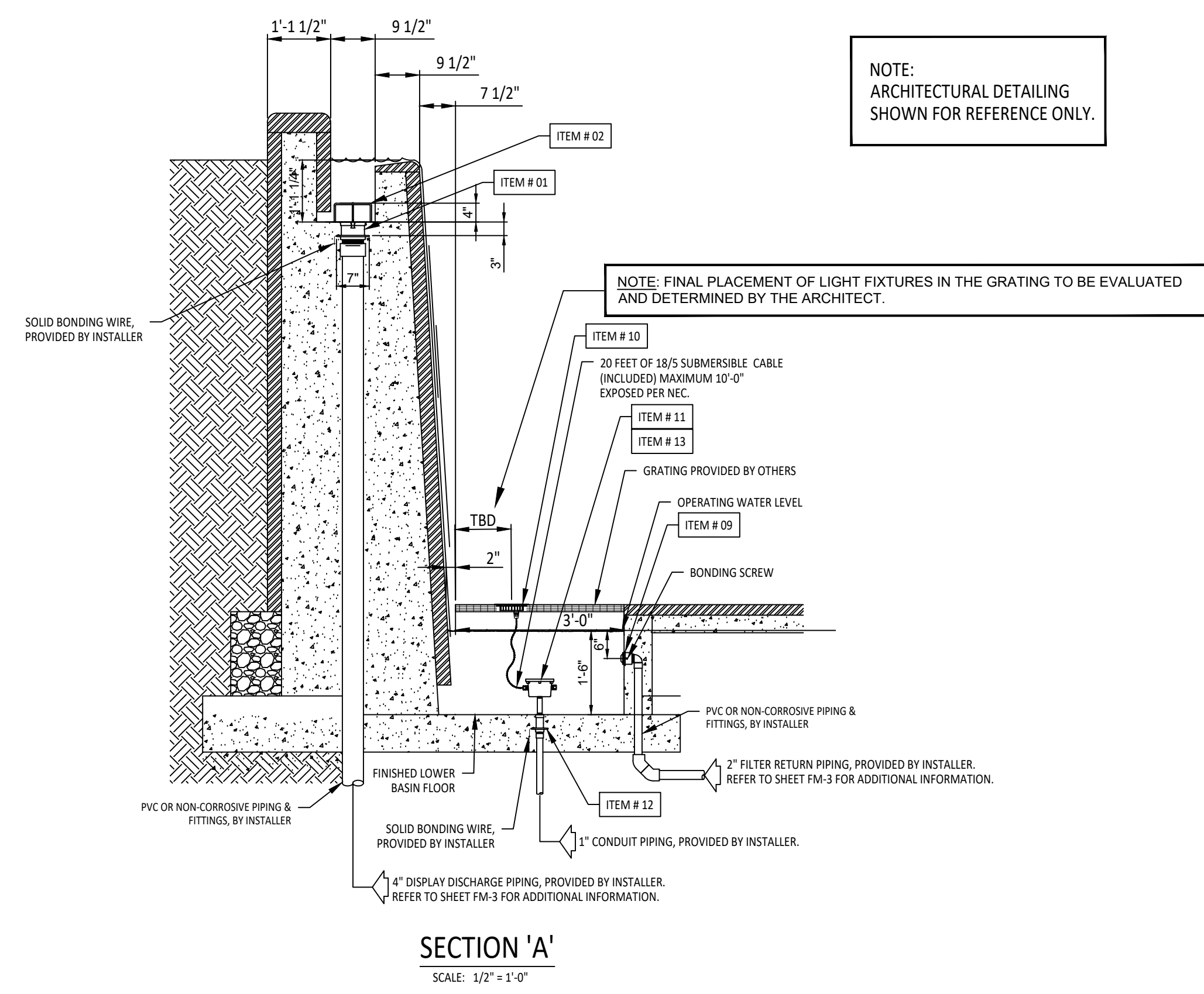


**Rosa Parks Square
 Fountain People 11/30/21
 Equipment List**

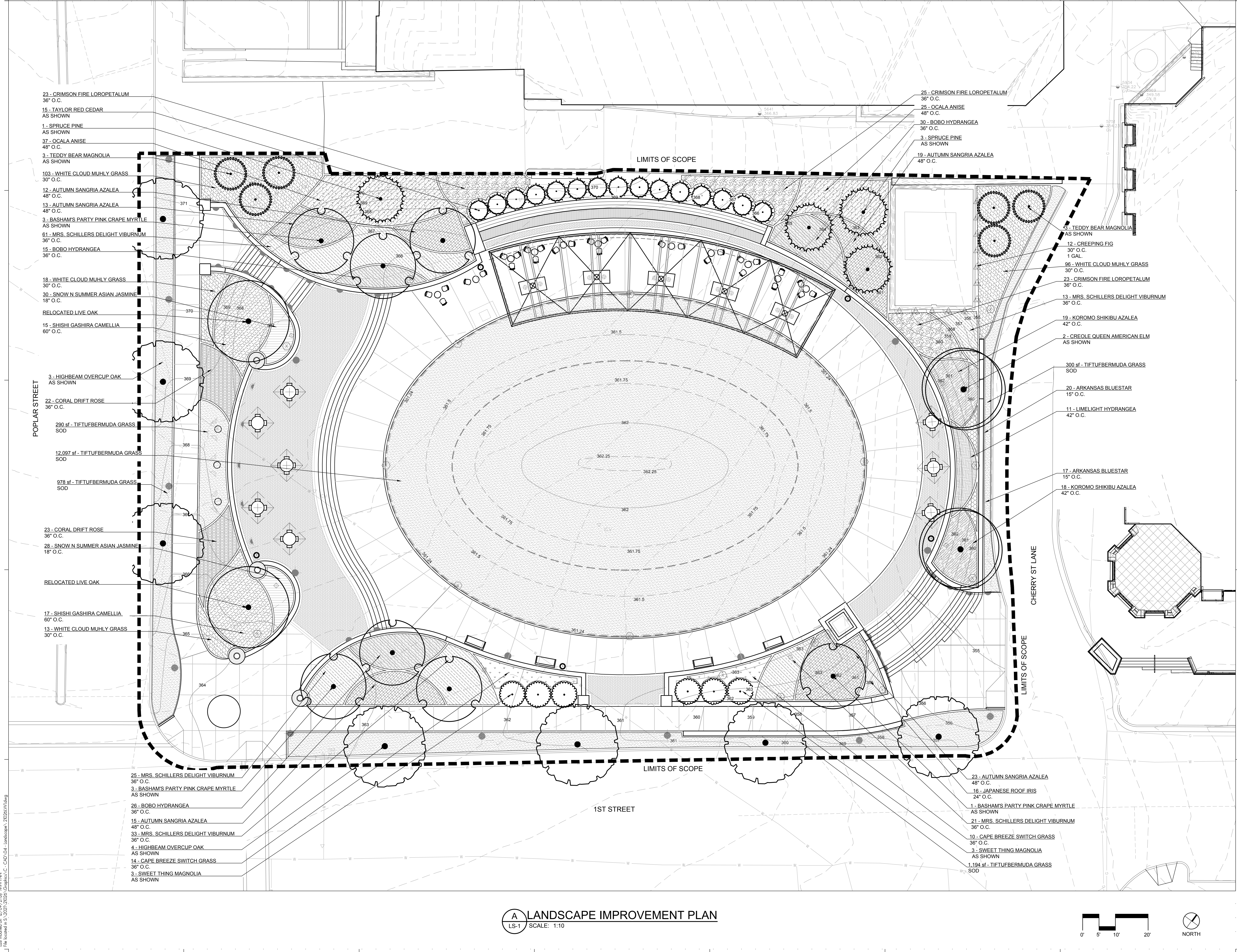
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* ITEM REQUIRED FOR FOUNTAIN CONCRETE POUR.

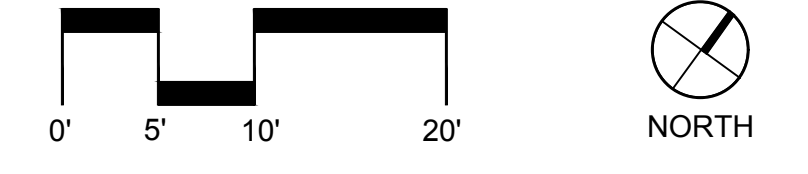
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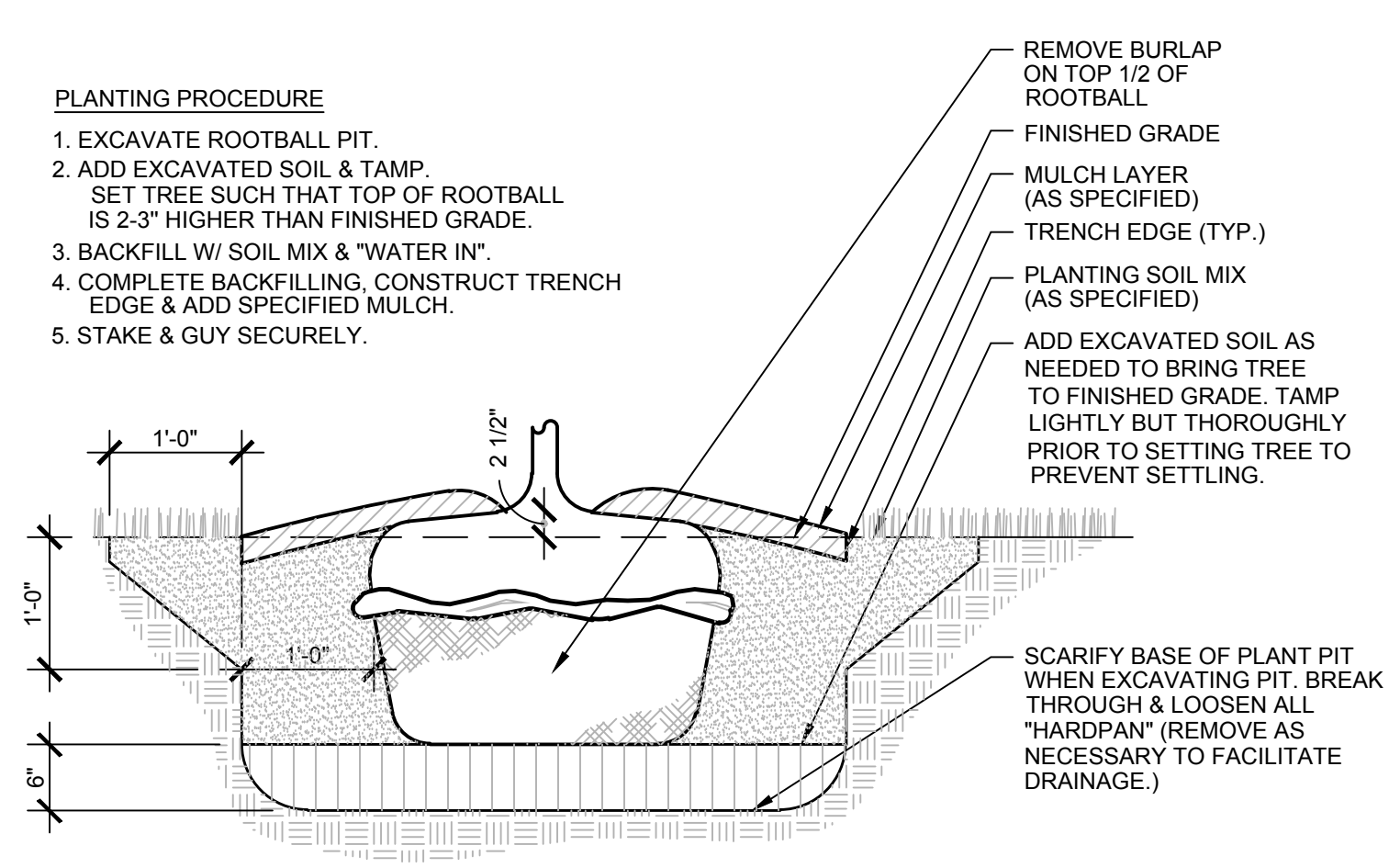
2" INCOMING POWER TO VAULT FROM SOURCE
 120/208V, 3-PHASE, 125 A FEED.



A LANDSCAPE IMPROVEMENT PLAN
 LS-1 SCALE: 1:10

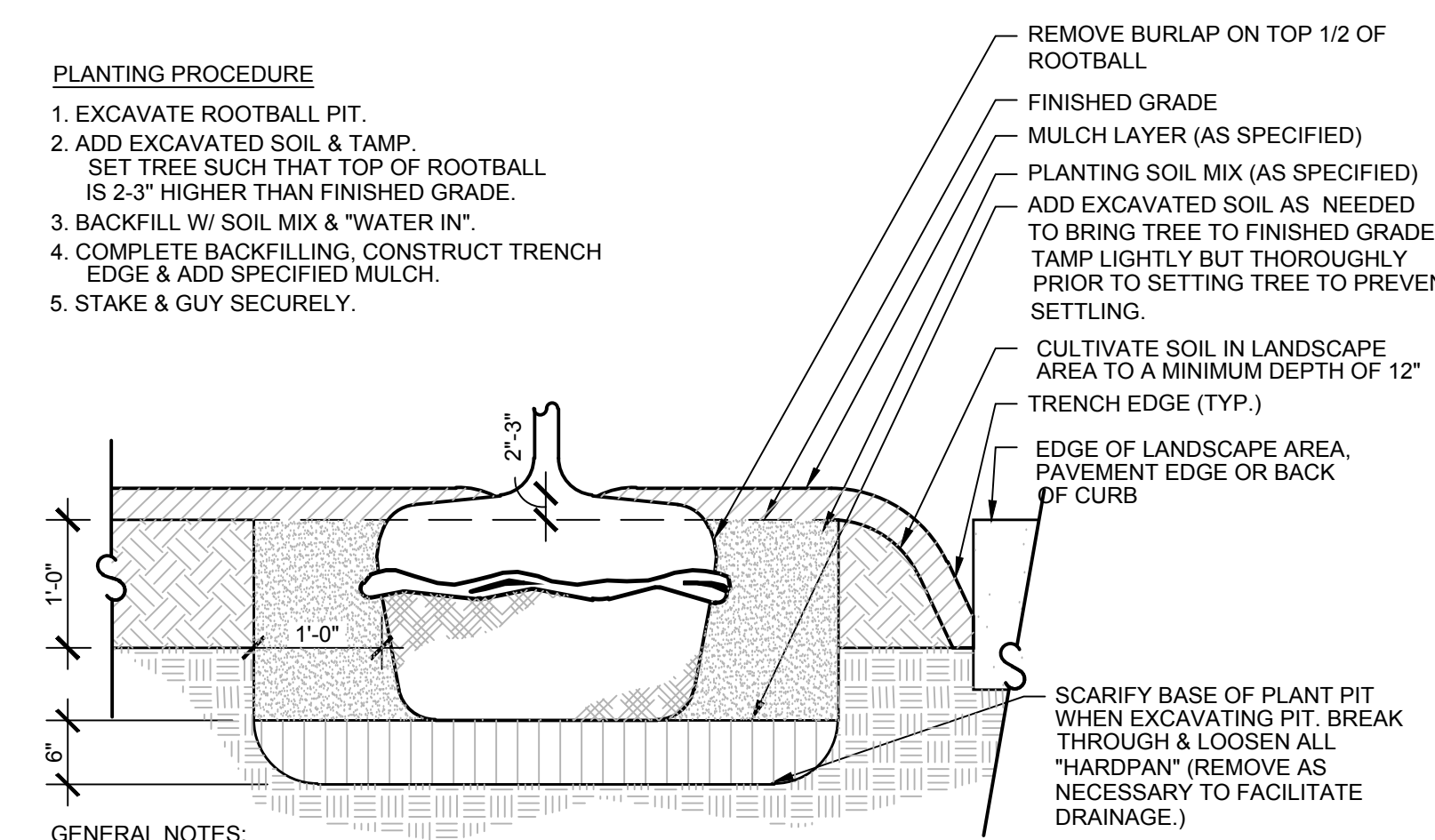


last modified on 12/09/21 by MWPN
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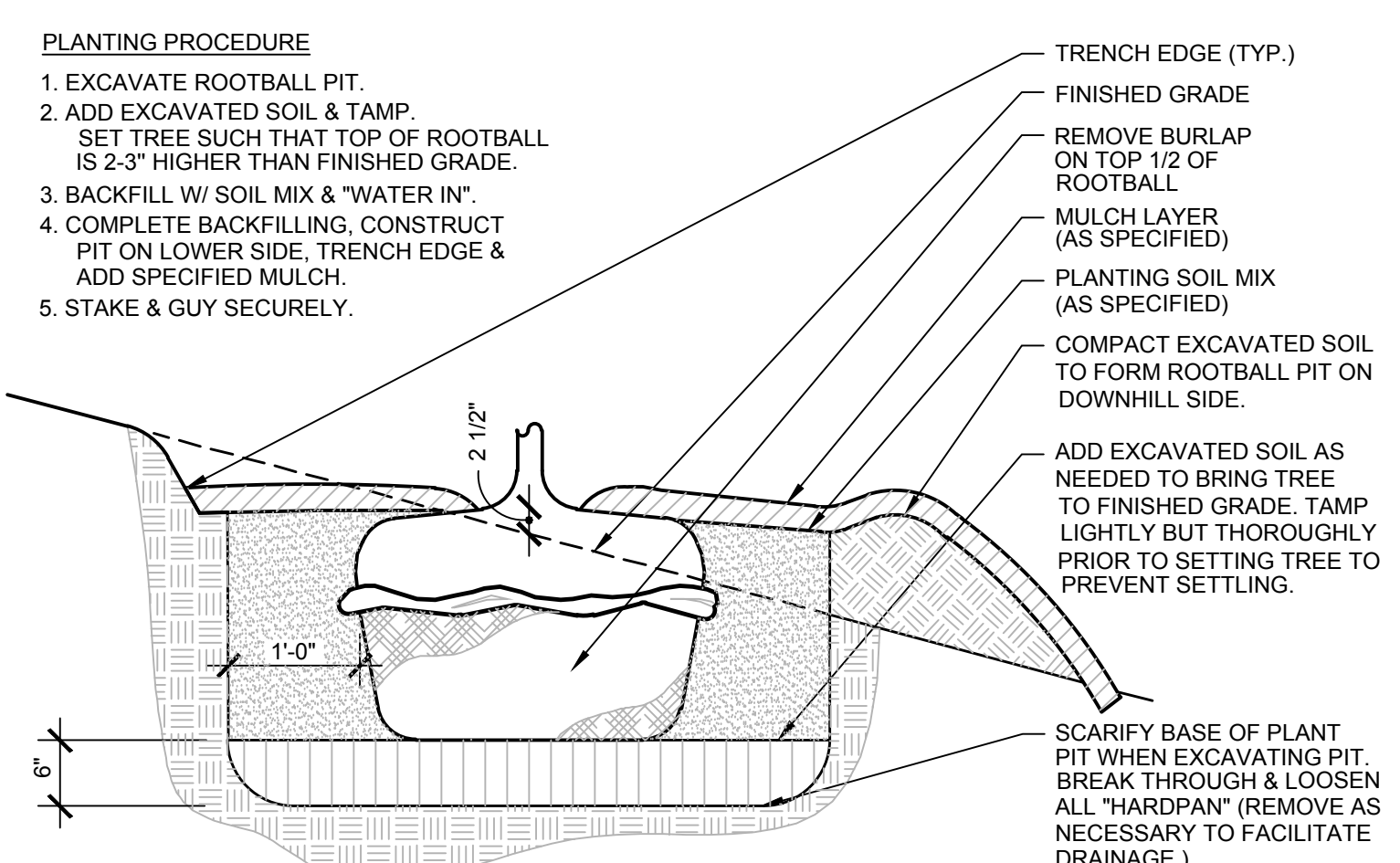
- GENERAL NOTES:**
- SEE SPECIFICATIONS FOR DRAINAGE TEST REQUIREMENTS PRIOR TO PLANTING. SEC. 02900.
 - DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
 - IMMEDIATELY SOAK WITH WATER.
 - DO NOT BREAK ROOTBALL.

A TYPICAL TREE ROOTBALL PIT
LS-2 SCALE: 3/4"=1'-0"
FILE NAME: LAF001



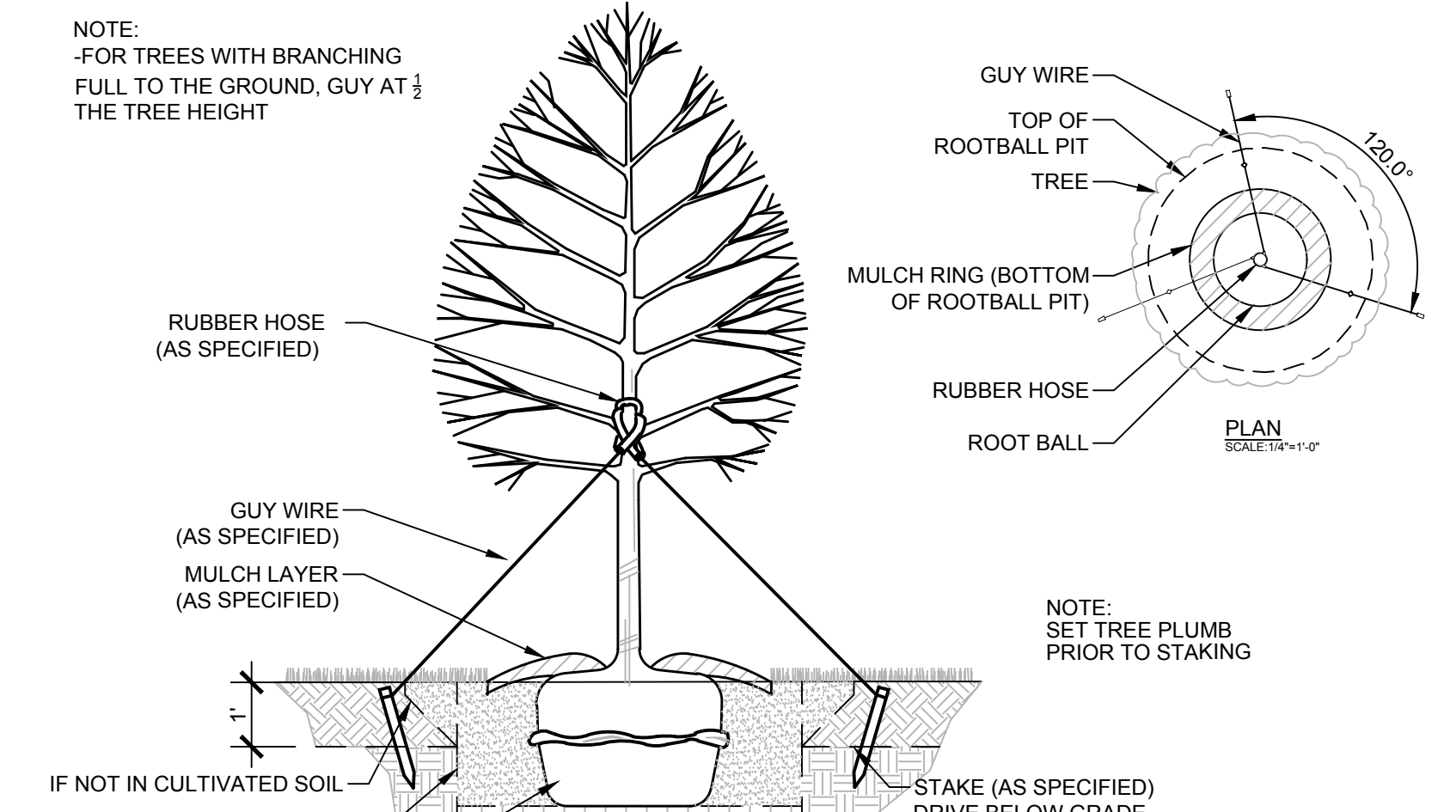
- GENERAL NOTES:**
- SEE SPECIFICATIONS FOR DRAINAGE TEST REQUIREMENTS PRIOR TO PLANTING. SEC. 02900.
 - DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
 - IMMEDIATELY SOAK WITH WATER.
 - DO NOT BREAK ROOTBALL.

B TYPICAL TREE ROOTBALL PIT IN CULTIVATED AND MULCHED PLANTING AREA
LS-2 SCALE: 3/4"=1'-0"
FILE NAME: LAF002

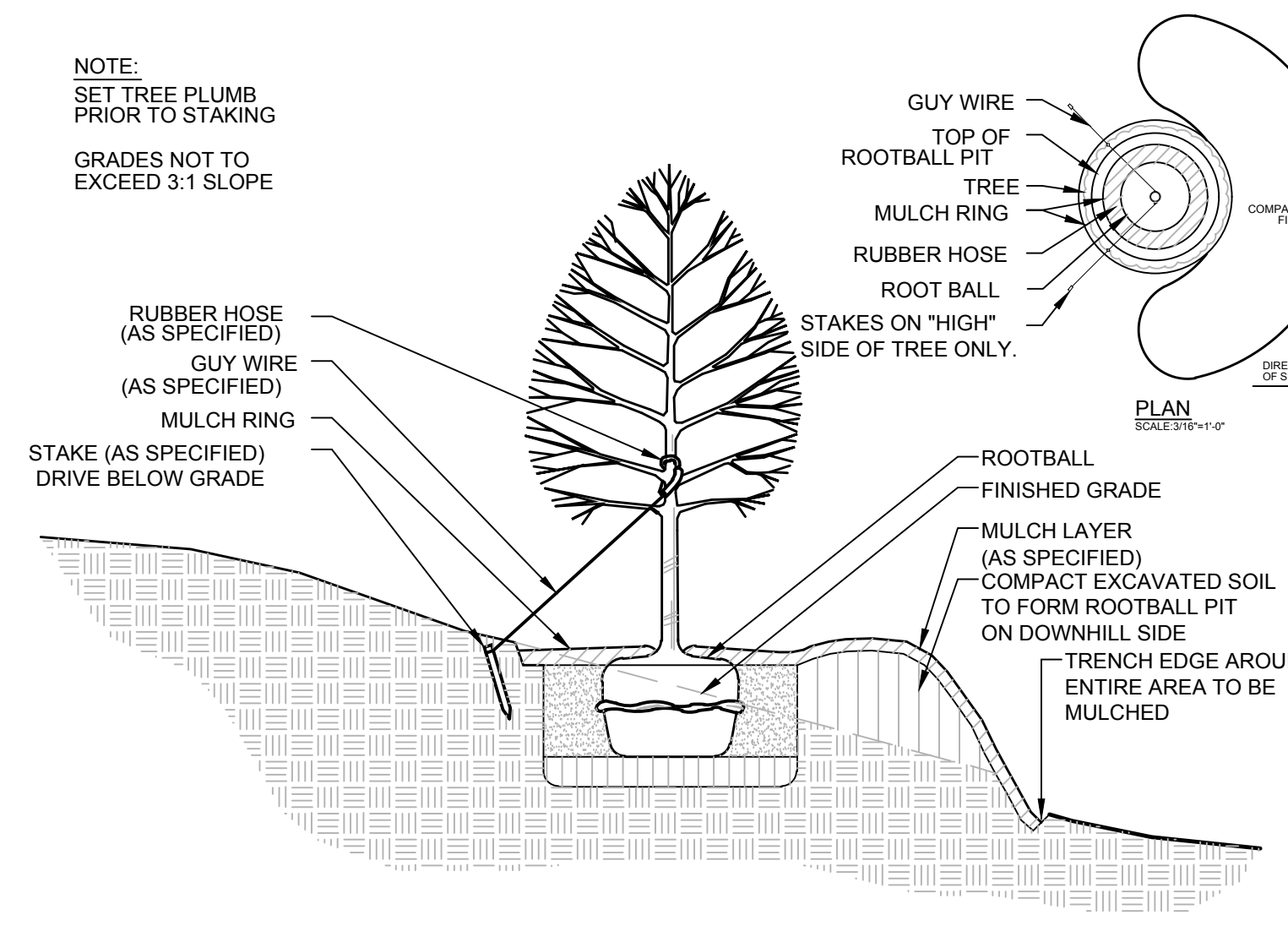


- GENERAL NOTES:**
- SEE SPECIFICATIONS FOR DRAINAGE TEST REQUIREMENTS PRIOR TO PLANTING. SEC. 02900.
 - DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
 - IMMEDIATELY SOAK WITH WATER.
 - DO NOT BREAK ROOTBALL.

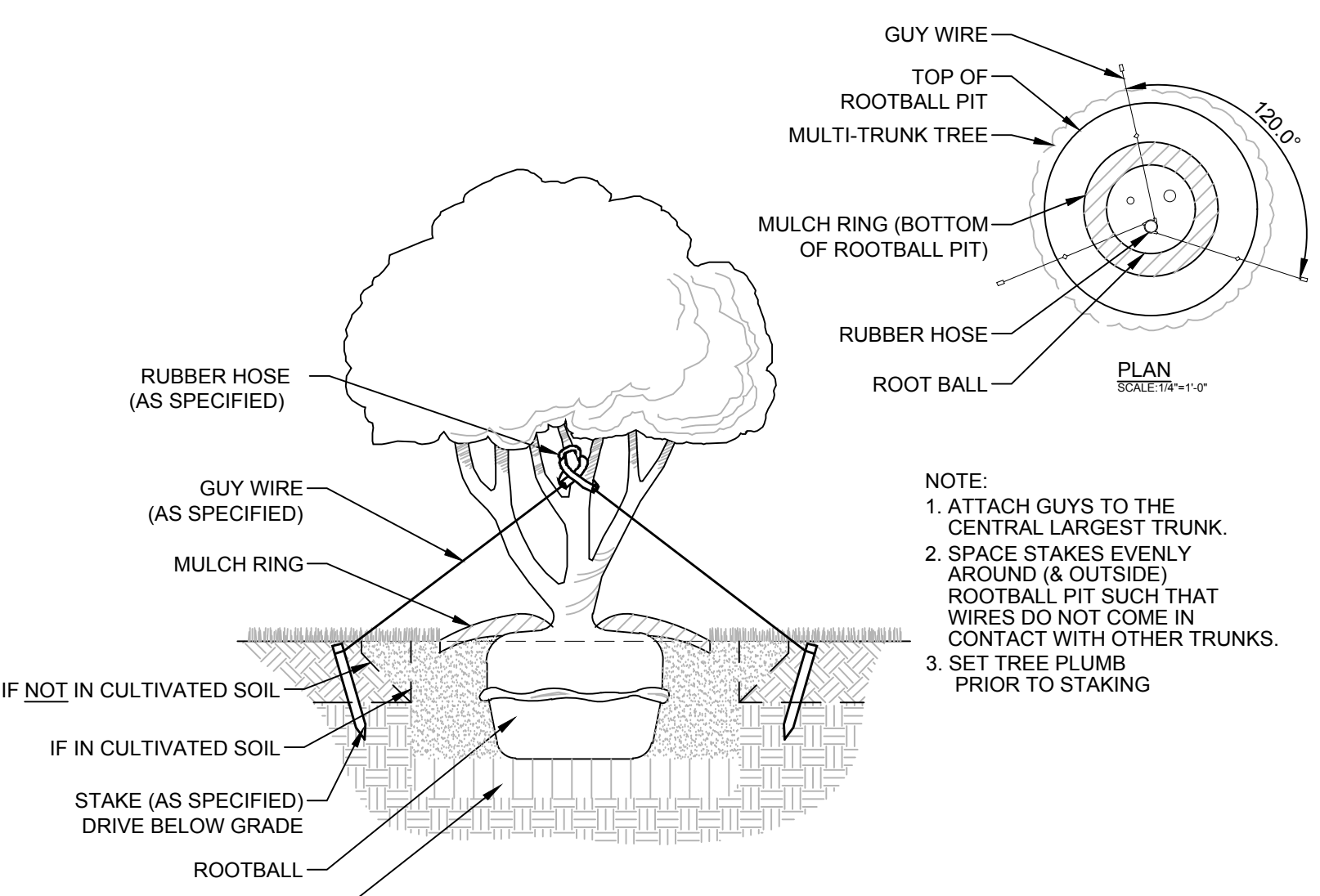
C TREE ROOTBALL PIT (ON SLOPE)
LS-2 SCALE: 3/4"=1'-0"
FILE NAME: LAF003



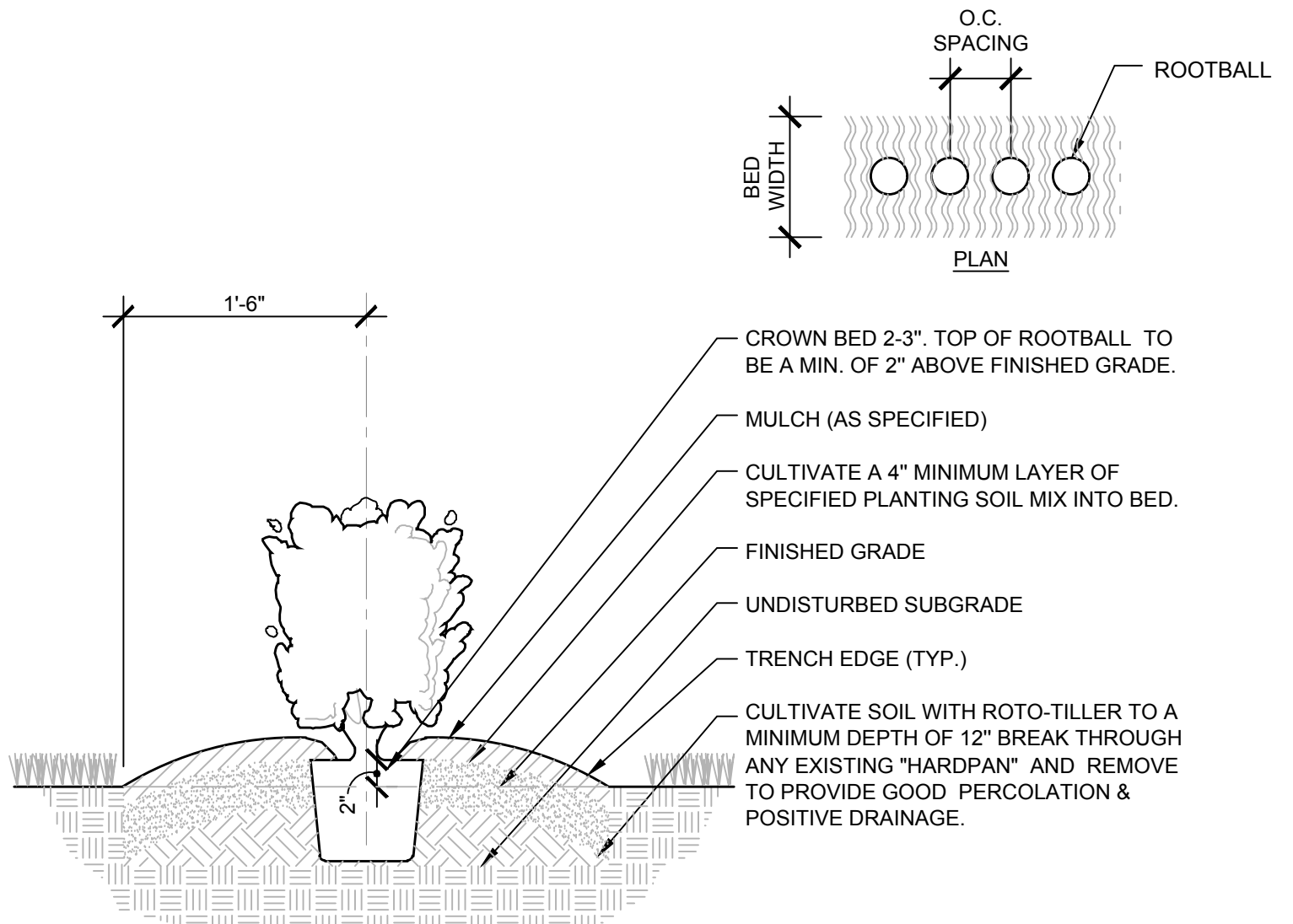
D TREE STAKING AND GUYING
LS-2 SCALE: 1/2"=1'-0"
FILE NAME: LAF004



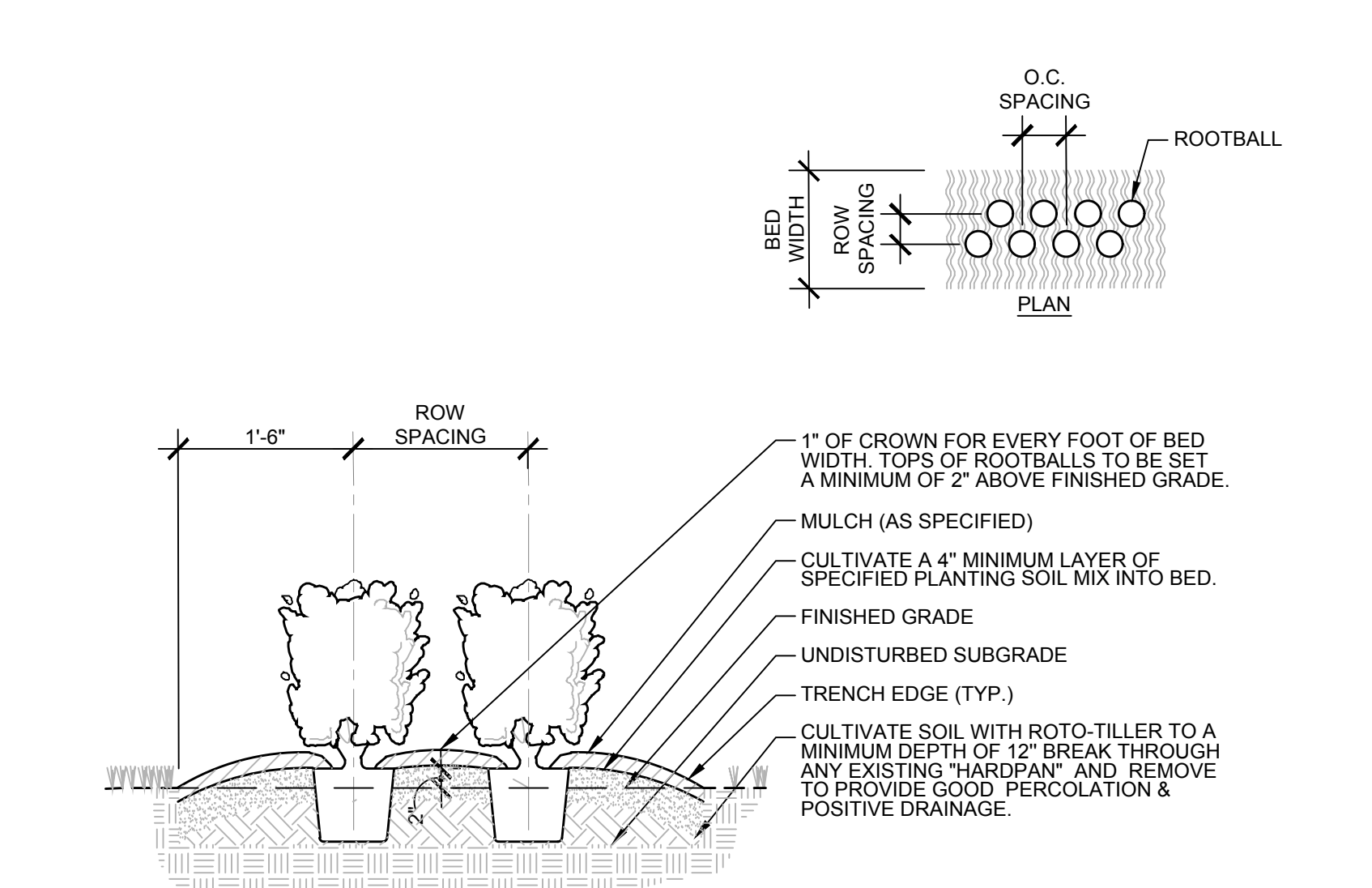
E TREE ON SLOPE STAKING AND GUYING
LS-2 SCALE: 3/8"=1'-0"
FILE NAME: LAF005



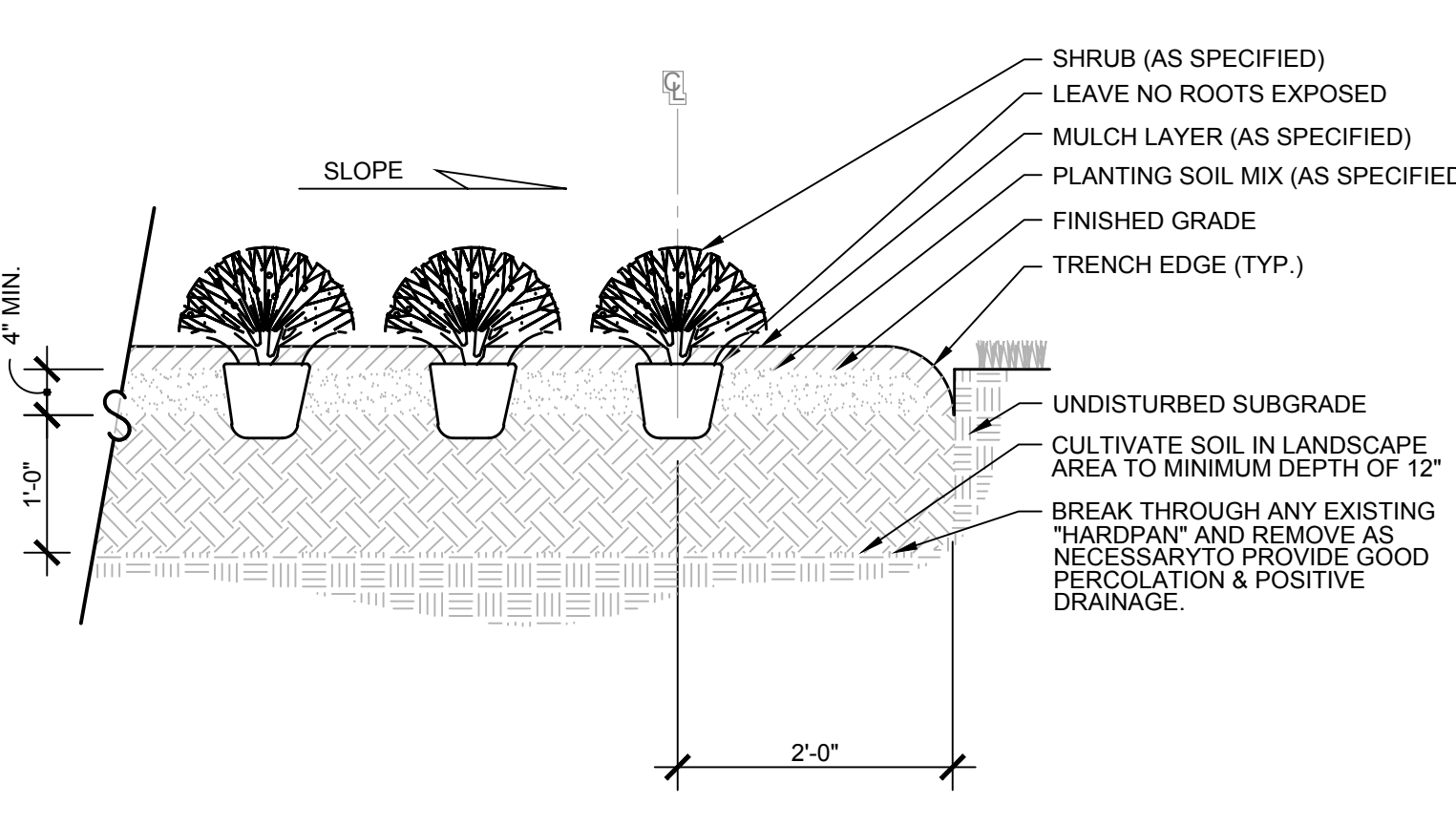
F MULTI-TRUNK TREE STAKING AND GUYING
LS-2 SCALE: 1/2"=1'-0"
FILE NAME: LAF006



G HEDGE PLANTING (SINGLE ROW)
LS-2 SCALE: 1/4"=1'-0"
FILE NAME: LAF007

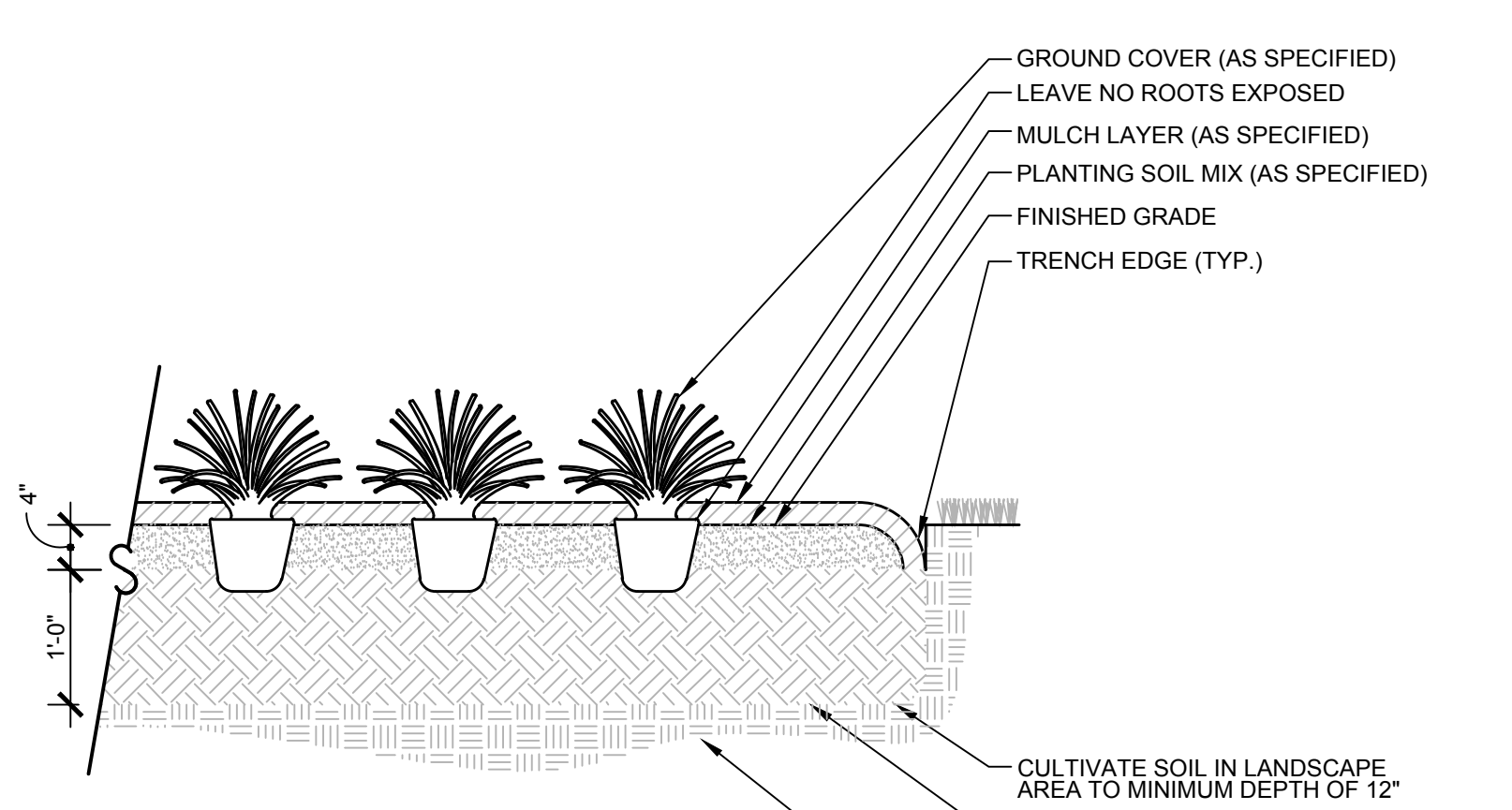


H HEDGE PLANTING (DOUBLE ROW)
LS-2 SCALE: 1/2"=1'-0"
FILE NAME: LAF008



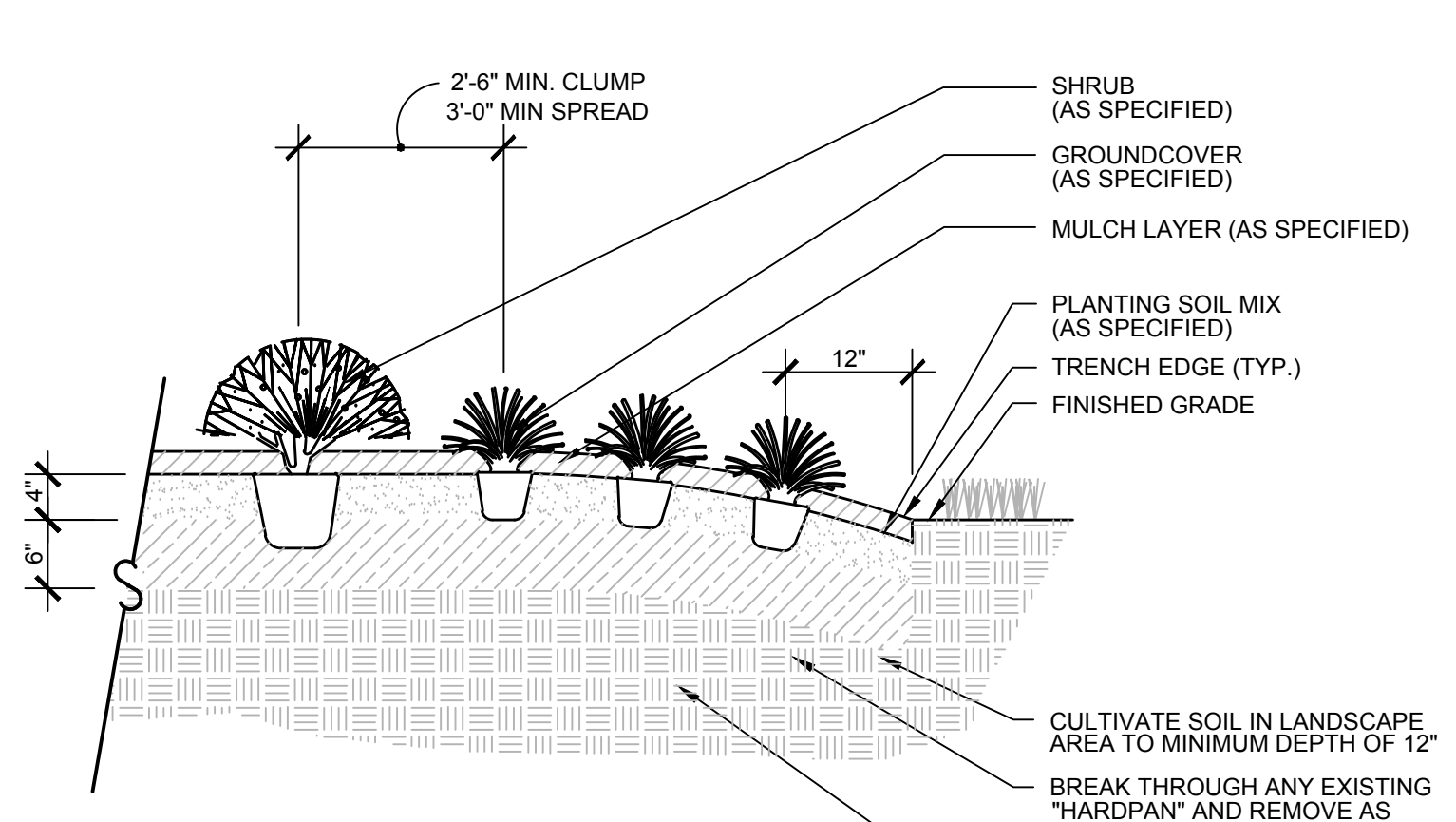
- PLANTING PROCEDURE**
- LAY OUT BED AND OUTLINE WITH TRENCH. PLACE SOIL FROM EDGE WITHIN BED.
 - ROTTILL BED TO 12" DEPTH. SPREAD 4" MIN. LAYER OF PLANTING SOIL MIX OVER BED. ROTTILL SOIL MIX INTO TOP OF BED.
 - INSTALL PLANTS & MULCH. WATER THOROUGHLY.

I SHRUB PLANTING
LS-2 SCALE: 3/4"=1'-0"
FILE NAME: LAF009

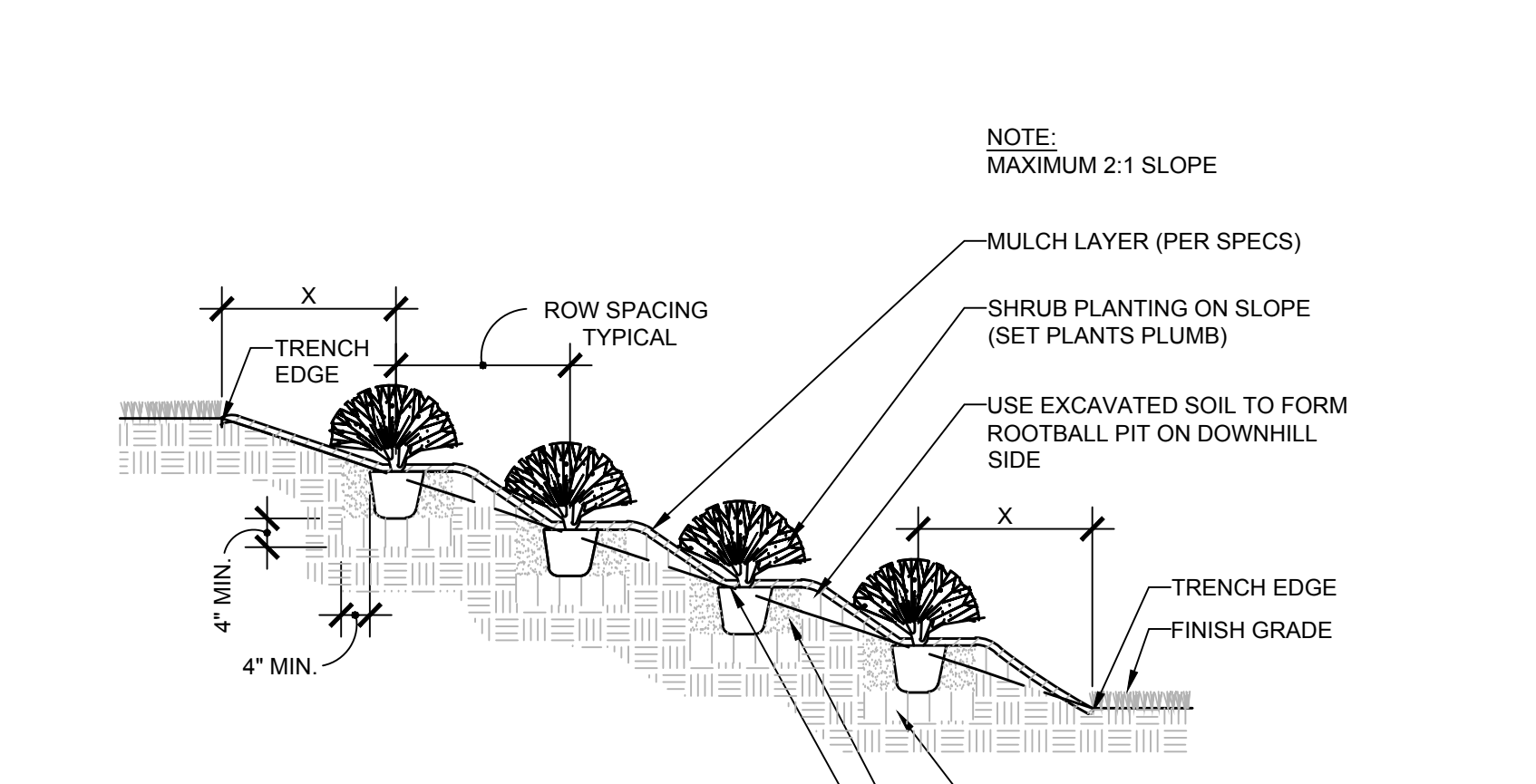


- PLANTING PROCEDURE**
- LAY OUT BED AND OUTLINE WITH TRENCH. PLACE SOIL FROM EDGE WITHIN BED. ROTTILL BED TO 12" DEPTH. SPREAD 2" MIN. LAYER OF PLANTING SOIL MIX OVER BED.
 - ROTTILL SOIL MIX INTO TOP OF BED. INSTALL PLANTS & MULCH. WATER THOROUGHLY.

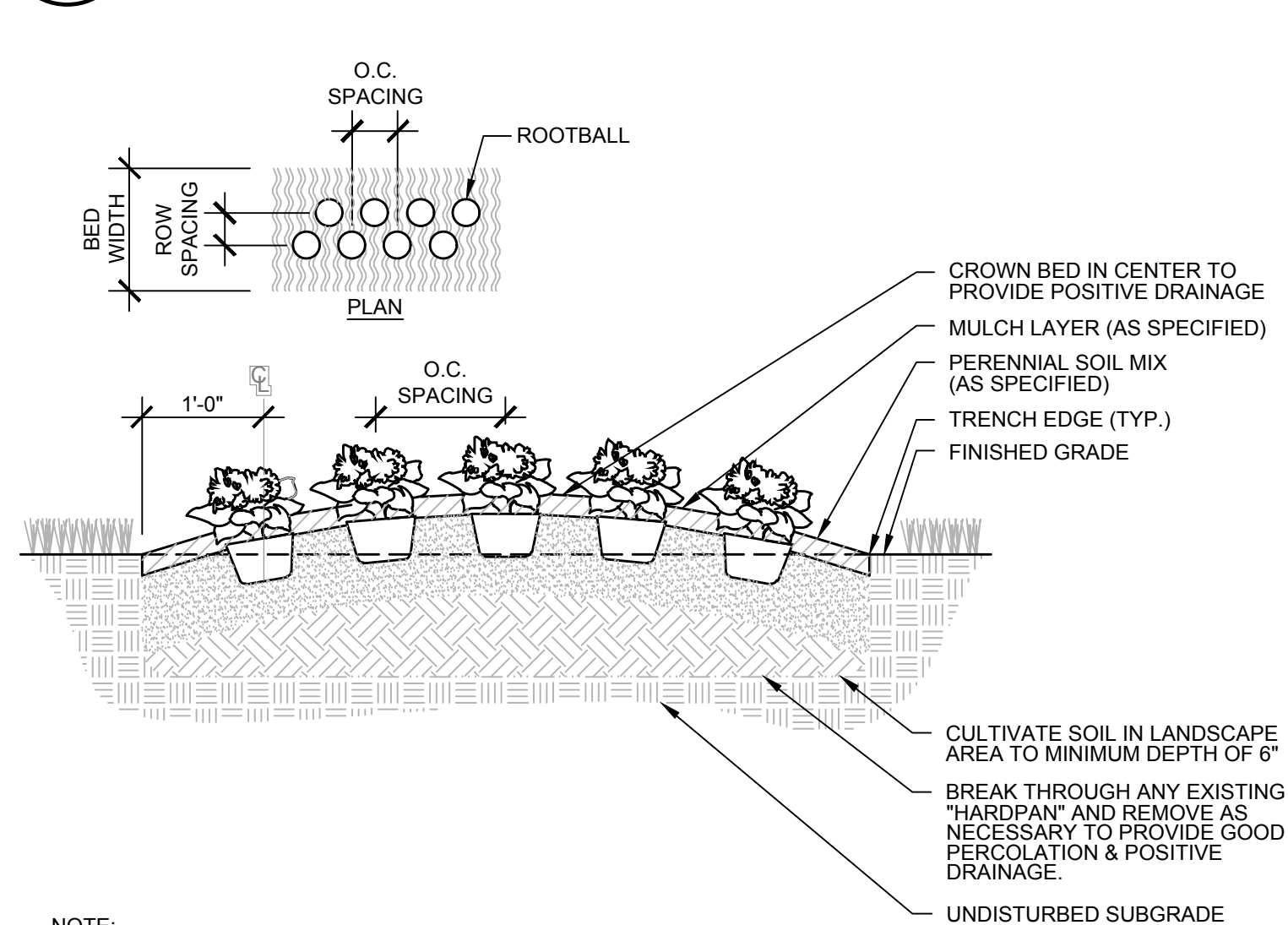
J GROUNDCOVER PLANTING
LS-2 SCALE: 3/4"=1'-0"
FILE NAME: LAF010



K GROUNDCOVER BED (FRONTING SHRUB BED)
LS-2 SCALE: 3/4"=1'-0"
FILE NAME: LAF011

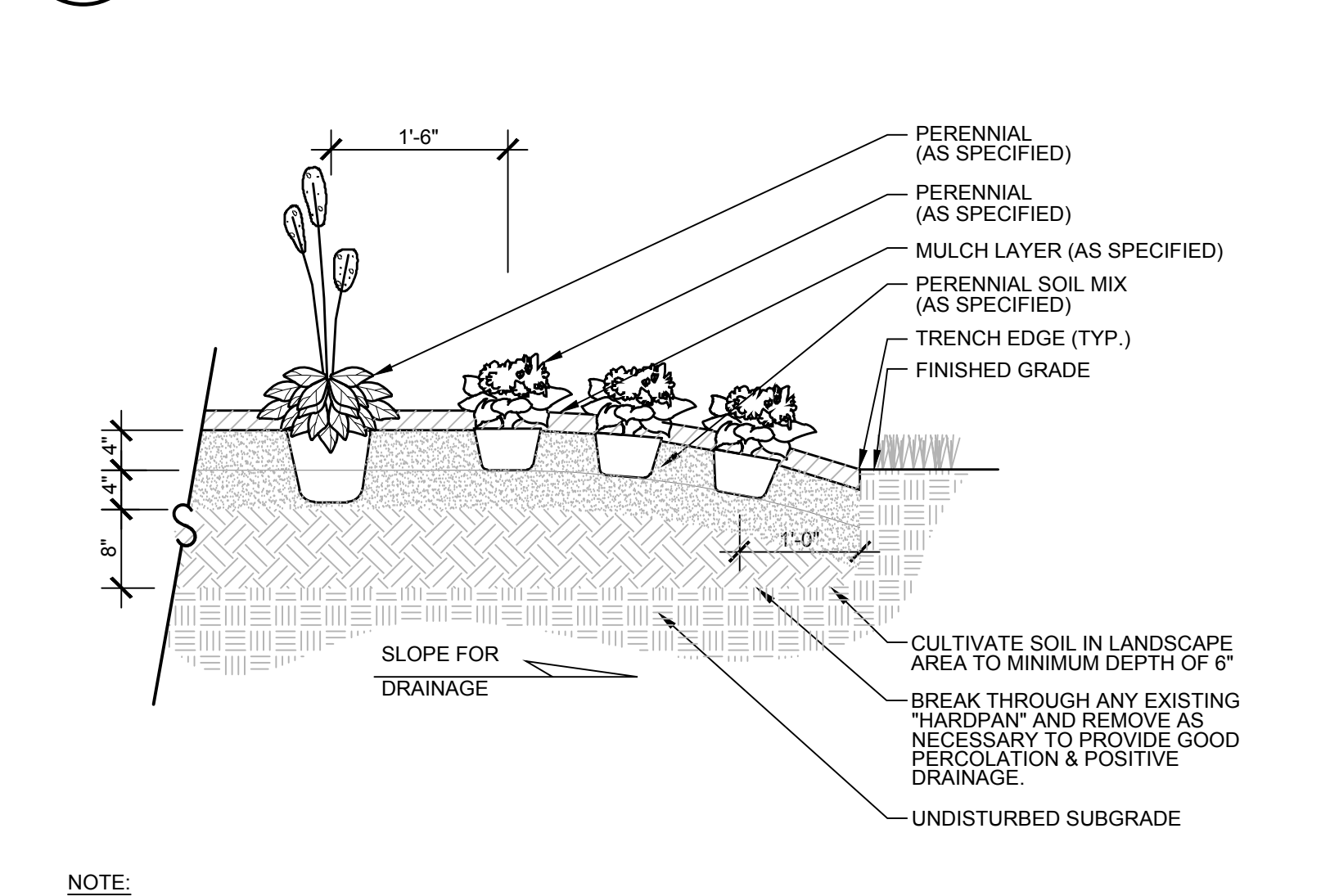


L SHRUB/GROUNDCOVER PLANTING ON SLOPE
LS-2 SCALE: 1/2"=1'-0"
FILE NAME: LAF012



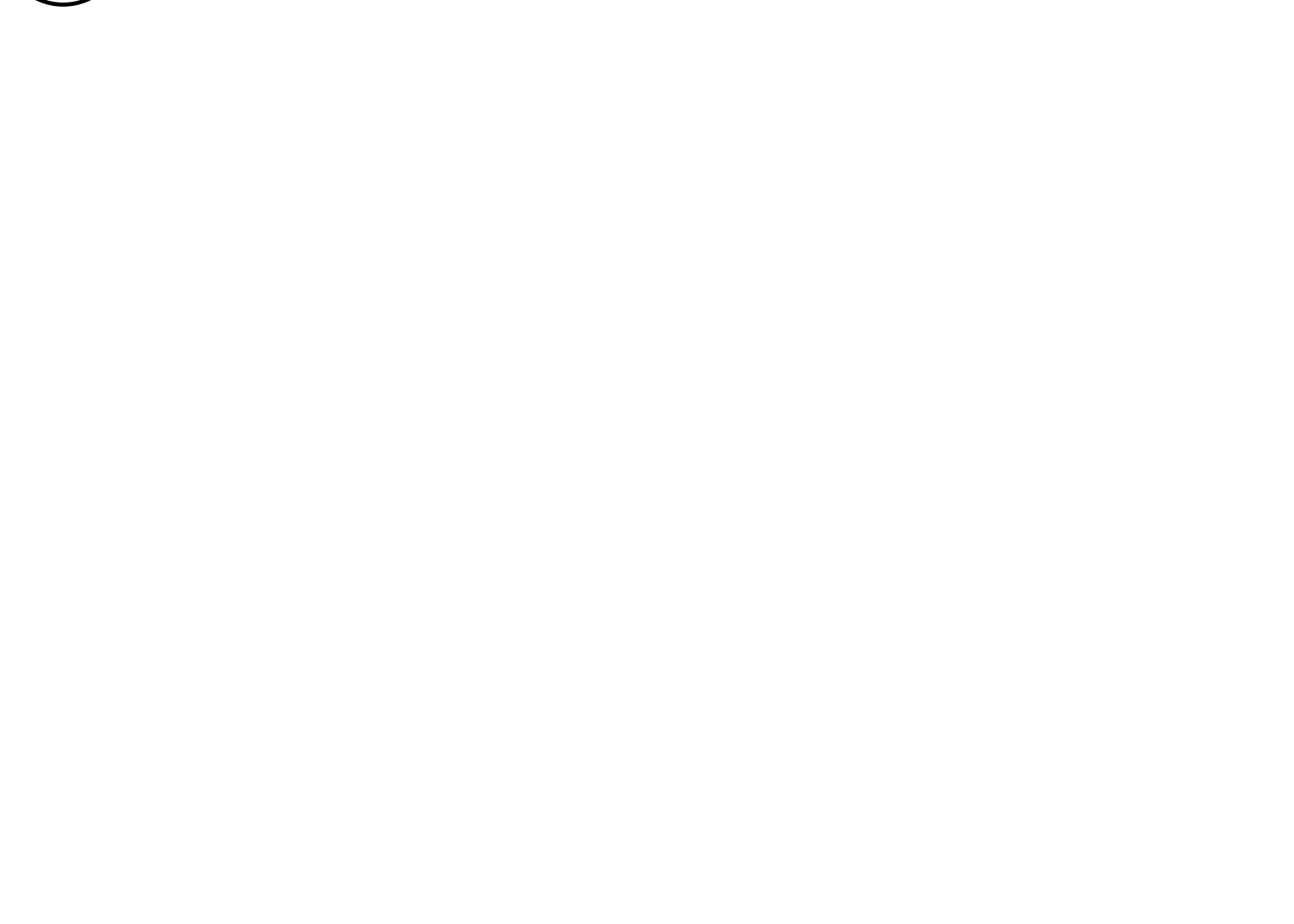
- NOTE:** FOR PROPER PLANTING PROCEDURE OF PERENNIAL BEDS, REFER TO "ANNUAL COLOR AND PERENNIAL PLANTING" NOTES.

M PERENNIAL BED PLANTING INDIVIDUAL SPECIES
LS-2 SCALE: 3/4"=1'-0"
FILE NAME: LAF013



- NOTE:** FOR PROPER PLANTING PROCEDURE OF PERENNIAL BEDS, REFER TO "ANNUAL COLOR AND PERENNIAL PLANTING" NOTES.

N MASS PERENNIAL BED PLANTING
LS-2 SCALE: 3/4"=1'-0"
FILE NAME: LAF014



- NOTE:** FOR PROPER PLANTING PROCEDURE OF PERENNIAL BEDS, REFER TO "ANNUAL COLOR AND PERENNIAL PLANTING" NOTES.

O MASS PERENNIAL BED PLANTING
LS-2 SCALE: 3/4"=1'-0"
FILE NAME: LAF015



- NOTE:** FOR PROPER PLANTING PROCEDURE OF PERENNIAL BEDS, REFER TO "ANNUAL COLOR AND PERENNIAL PLANTING" NOTES.

P MASS PERENNIAL BED PLANTING
LS-2 SCALE: 3/4"=1'-0"
FILE NAME: LAF016



3525 Piedmont RD NE
Building 8, Suite 3030
Atlanta, Georgia 30306
www.hgor.com
p. 404-248-1960
f. 404-248-1092

CONSULTANT LOGO:

CONSULTANT INFORMATION:

PROJECT TITLE:

**ROSA PARKS SQUARE
RENOVATION PROJECT**
POLAR STREET
MACON, GEORGIA
MACON-BIBB COUNTY
MACON, GEORGIA

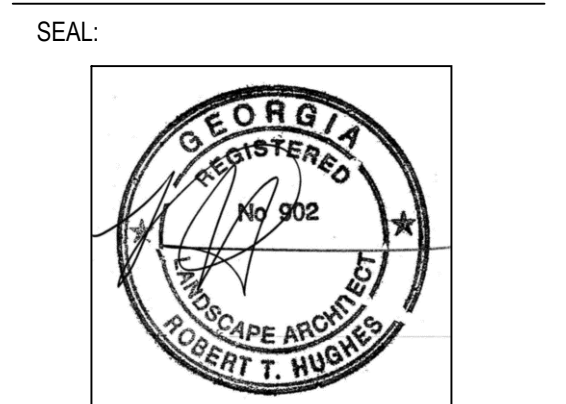
PROJECT NO:
21026

ISSUE AND DATE:
November 11th, 2021

CONSTRUCTION DOCUMENTS

REVISIONS:

NO.	DATE	DESCRIPTION

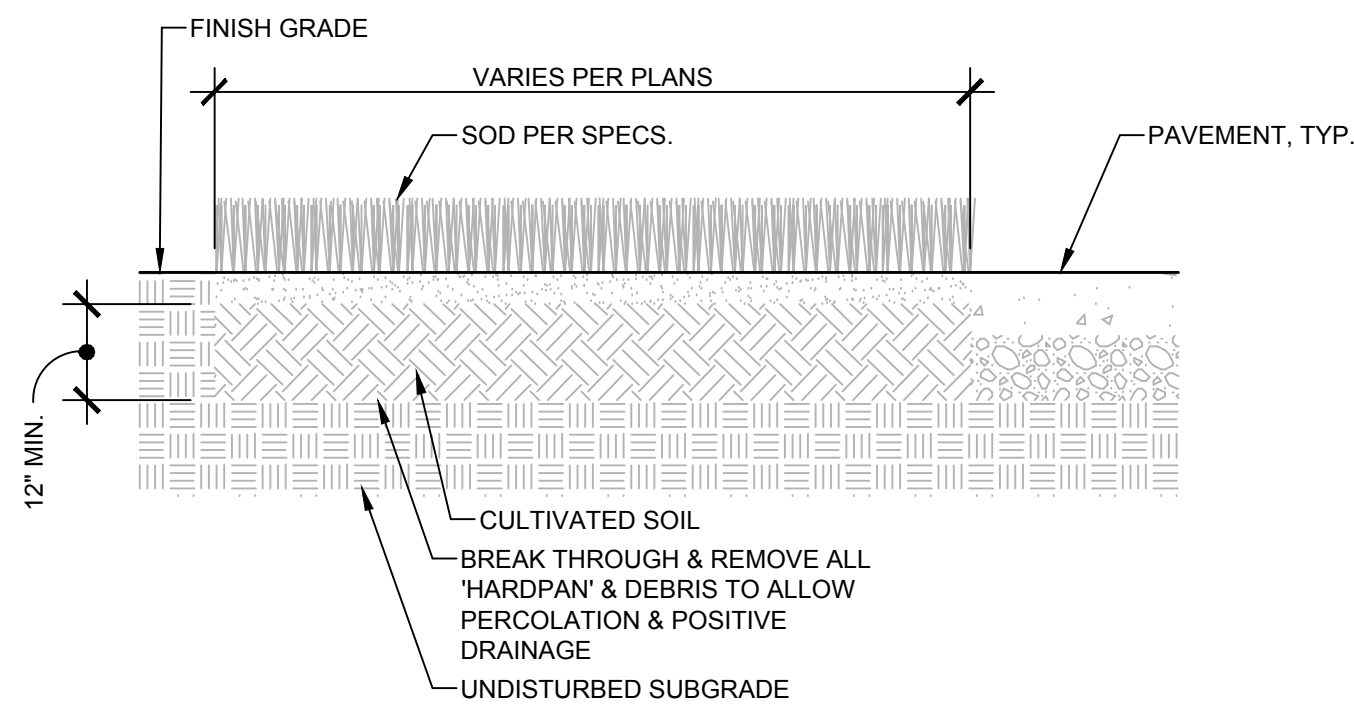


SHEET TITLE:
**LANDSCAPE
DETAILS**

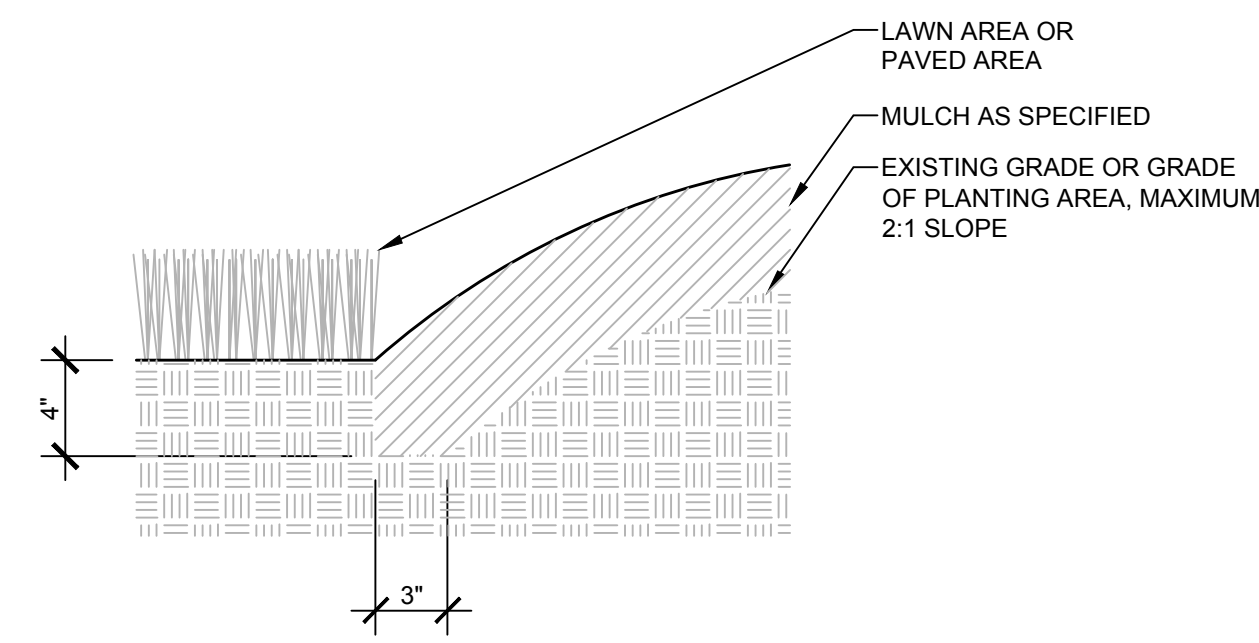
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LS-2

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SODDING PROCEDURE:
REFER TO SPECIFICATIONS FOR SODDING PROCEDURES



NOTE:
1. TRENCH EDGE DETAIL SHALL BE USED AT ALL LAWN EDGES & AT EDGES OF MULCHED AREAS (FOR CONTAINMENT).
2. TRENCH EDGE SHALL CREATE A CLEAN SEPARATION BETWEEN AREAS; & SHALL CREATE SMOOTH & EVEN LINES (AS INDICATED ON THE PLANS).

A SOD INSTALLATION
LS-3 SCALE: 1/2"=1'-0"
FILE NAME: LAF1039

B TRENCH EDGE DETAIL
LS-3 SCALE: 1/2"=1'-0"
FILE NAME: LAF1042

PLANT SCHEDULE

DATE/ISSUE: 11-10-2021

QUANTITY	BOTANICAL NAME	COMMON NAME	CALIPER	HEIGHT	SPREAD	ROOT	COMMENT
15	Juniperus virginiana 'Taylor'	Taylor Red Cedar		14-16'	4-5'	B&B	Full to ground; dense foliage; straight, tightly pruned pyramidal form
7	Lagerstroemia x 'Basham's Party Pink'	Basham's Party Pink Crape Myrtle		14-16'	9-10'	B&B	Multi-trunk (3-5 trunks); well pruned (no straight-whip trunks)
6	Magnolia grandiflora 'Southern Charm'	Teddy Bear Magnolia	3.5-4"	12-14'	5-6'	B&B	Full to ground; dense foliage; straight, tightly pruned pyramidal form
6	Magnolia virginiana 'Sweet Thing'	Sweet Thing Magnolia		6-7'	4-5'	B&B	Multi-trunk by 18" off ground; dense, well-pruned crown
4	Pinus glabra	Spruce Pine	4-4.5"	12-14'	6-7'	B&B	Straight trunk; top 1/2 min. with branching; dense form
7	Quercus lyrata 'QLFTB'	Highbeam Overcup Oak	5-5.5"	22-24'	10-12'	B&B	Single straight trunk; dense branching begins above 6'; central leader
2	Ulmus americana 'Queen Queen'	Queen Queen American Elm	5-5.5"	25-30'	10-12'	B&B	Straight trunk; 7' clear trunk; dense branching; one central leader
32	Camellia hiemalis 'Shishi Gashira'	Shishi Gashira Camellia		24-30"	24-30"	7 gal	Densely pruned form; healthy color; well rooted in pot
71	Hydrangea paniculata 'LVOBO'	Bobo Hydrangea		15-18"	18-24"	3 gal	Dense branching; well rooted in pot; self supporting stems
11	Hydrangea paniculata 'Limelight'	Limelight Hydrangea		30-36"	30-36"	7 gal	Dense branching; well rooted in pot; self supporting stems
62	Illicium parviflorum	Ocala Anise		36-42"	24-30"	7 gal	Densely pruned form; healthy color; well rooted in pot
71	Loropetalum chinense 'PILLC-f'	Crimson Fire Loropetalum		12-15"	15-18"	3 gal	Densely pruned form; healthy color; well rooted in pot
37	Rhododendron x 'Koromo Shikibu'	Koromo Shikibu Azalea		15-18"	15-18"	3 gal	Densely pruned form; healthy color; well rooted in pot
82	Rhododendron x 'Roblee'	Autumn Sangria Azalea		18-24"	18-24"	3 gal	Densely pruned form; healthy color; well rooted in pot
45	Rosa x Meidiflora'	Coral Drift Rose		15-18"	18-24"	3 gal	Dense branching; well rooted in pot; self supporting stems
153	Viburnum obovatum 'Ms. Schiller's Delight'	Ms. Schiller's Delight Viburnum		12-15"	15-18"	3 gal	Densely pruned form; healthy color; well rooted in pot
58	Trachelospermum asiaticum 'HOSNS'	Snow N Summer Asian Jasmine		6-9"	6-9"	1 gal	Full in pot; 5 runners min., each 6" min. in length
37	Artemisia hubrechtii	Arkansas Bluestar		1 gal		1 gal	Fully rooted in pot; dense compact growth
16	Iris tectorum	Japanese Roof Iris		1 gal		1 gal	Fully rooted in pot; dense compact growth
230	Muhlenbergia capillaris 'White Cloud'	White Cloud Muhly Grass		3 gal		3 gal	Full in pot; well rooted; dense clump
24	Panicum virgatum 'Cape Breeze'	Cape Breeze Switch Grass	12-15"	12-15"		3 gal	Full in pot; well rooted; dense clump
12	Ficus Pumila	Creeping Fig		1 gal		1 gal	Full in pot; 3 runners min., each 12" min. in length; staked
14859	Cynodon dactylon 'Tiffuf'	Tiffuf Bermuda Grass		Sod		Sod	Certified pure; free of weeds; good color

GENERAL PLANTING NOTES:

- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL MATERIAL QUANTITIES SHOWN ON THESE DRAWINGS BEFORE PRICING THE WORK.
- PROVIDE PLANT MATERIALS TRUE TO SPECIES AND VARIETY COMPLYING WITH RECOMMENDATIONS OF 'AMERICAN STANDARD FOR NURSERY STOCK' BY THE AMERICAN ASSOCIATION OF NURSERY MEN.
- THE LANDSCAPE CONTRACTOR SHALL COMPLETELY WARRANTY ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING AT THE DATE OF SUBSTANTIAL COMPLETION. THE LANDSCAPE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE WARRANTY PERIOD (AS DIRECTED BY THE OWNER).
- ANY PLANT MATERIAL WHICH DIES, TURNS BROWN OR DEFOOLIATES (PRIOR TO DATE OF SUBSTANTIAL COMPLETION OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE AND MEETING ALL THE PLANT LIST SPECIFICATIONS.
- LOCATE AND VERIFY ALL UTILITY LOCATIONS AND EXISTING STRUCTURES IN AND AROUND THE SITE PRIOR TO WORK. MAINTAIN EXISTING UTILITIES AND STRUCTURES AND PROTECT AGAINST DAMAGE DURING THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO EXISTING UTILITIES, STRUCTURES, PAVING AND/OR WORK OF OTHER TRADES RESULTING FROM LANDSCAPE CONSTRUCTION.
- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF DISEASES, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN-SCALD, INJURIES, ABRASIONS AND/OR DISFIGUREMENT.
- WATER AND WATER TRANSPORTATION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND THE OWNER BEFORE, DURING AND UNTIL DATE OF SUBSTANTIAL COMPLETION OF THE WORK.
- ALL PLANTS MUST BE CONTAINER-GROWN (CONT.) OR BALLED AND BURLAPPED (B & B) AS INDICATED IN THE PLANT LIST.
- ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
- THE LANDSCAPE ARCHITECT WILL APPROVE THE STAKED LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION.
- ALL PLANTS AND PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.
- ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DRAWINGS.
- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING, BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, MOWING, ETC.) OF PLANTING AREAS AND LAWNS UNTIL DATE OF SUBSTANTIAL COMPLETION.

PLANTING SOIL MIX NOTES:

- THE LANDSCAPE CONTRACTOR SHALL FURNISH TOPSOIL; TOPSOIL MUST BE APPROVED BY THE LANDSCAPE ARCHITECT. REFER TO SPECIFICATION SECTION 329000 FOR TOPSOIL REQUIREMENTS.
- THE LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANTING SOIL MIX.
- THE PLANTING SOIL MIX MUST APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ANY BACKFILLING.
- THE TYPICAL PLANTING SOIL MIX FOR ON-GRADE PLANTINGS (TREES, SHRUBS & GROUND COVERS) SHALL CONSIST OF THE FOLLOWING UNLESS OTHERWISE INDICATED ON THE DRAWINGS:
 - 60% TOPSOIL (AS SPECIFIED)
 - 40% PREPARED ADDITIVES (BY VOLUME AS FOLLOWS):
 - 2 PARTS HUMUS, PEAT, AND/OR NUTRIENT GRADE COMPOST
 - 1 PART SHREDDED AND PARTIALLY COMPOSTED FINE BARK (BARK PIECES 1/2 INCH MAXIMUM IN LENGTH)
 - COMMERCIAL FERTILIZER AS RECOMMENDED IN SOIL REPORT.
 - LIME AS RECOMMENDED IN SOIL REPORT.

FILE NAME: LAF1044

CLEAN AND MULCH NOTES:

THE CONTRACTOR SHALL CLEAR AND GRUB ALL WEEDS, DEAD TREES, TREES ONE (1) INCH CALIPER OR LESS AND OTHER SELECT TREES UP TO FOUR (4) INCH CALIPER AS DETERMINED IN THE FIELD IN THE TREE SAVE AREAS INDICATED ON THE DRAWINGS. A 3 INCH MINIMUM LAYER OF SPECIFIED MULCH SHALL BE SPREAD OVER THE ENTIRE CLEARED AREA. THE CONTRACTOR WILL NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO START OF CLEAN AND MULCH WORK. THE LANDSCAPE ARCHITECT WILL VERIFY SCOPE OF WORK IN FIELD WITH THE CONTRACTOR PRIOR TO START OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND LEGAL DISPOSAL OF ALL DEBRIS FROM CLEAN-UP OPERATIONS FROM THE SITE.

FILE NAME: LAF1046

ANNUAL COLOR AND PERENNIAL PLANTING NOTES:

- EXCAVATE BED TO A DEPTH OF 4 INCHES. REMOVE EXISTING SOIL FROM SITE. BREAK THROUGH "HARDPAN" AND REMOVE ALL STONE, ROOTS, DEBRIS, ETC.. ROTOTILL EXCAVATED BED AN ADDITIONAL 6-8 INCHES IN DEPTH.
- SLOPE THE BASE OF THE BED TO THE TRENCH EDGE.
- PREPARE PLANTING SOIL MIX CONSISTING OF TOPSOIL AND THE FOLLOWING SOIL AMENDMENTS BY VOLUME. REFER TO SPECIFICATION SECTION 329000 FOR TOPSOIL REQUIREMENTS.
 - 40% TOPSOIL (AS SPECIFIED)
 - 25% HUMUS
 - 15% CYPRESS MULCH (FINGERNAIL SIZED CHIPS - 1/4 INCH MAX.)
 - 5% STERILIZED COMPOSTED COW MANURE
 - 5% SAND (ANGULAR BUILDERS SAND) LIME AT A RATE OF 5 LBS. PER 50 SQ. FEET (ADJUST FOR ALKALINE SOILS)
- ADD 6 INCHES OF PLANTING SOIL TO EXCAVATE BED & ROTOTILL INTO EXISTING SOIL.
- PLACE ADDITIONAL PLANTING SOIL MIX TO RAISE ENTIRE BED 8 INCHES ABOVE FINISHED GRADE FOR SEASONAL COLOR AND 4 INCHES FOR PERENNIALS. IF SEASONAL BED FRONTS A SHRUB OR GROUND COVER BED, MATCH THAT BED'S HEIGHT & CONTINUE POSITIVE SLOPE TOWARD TRENCH EDGE.
- ROTOTILL ENTIRE BED TO A DEPTH OF 12 INCHES.
- EVENLY SPREAD FERTILIZER APPROPRIATE TO A VARIETY OF SEASONAL COLOR AT A MAXIMUM RATE OF 2.5 LBS. PER 100 SQ. FEET AND RAKE INTO TOP 3 INCHES OF SOIL.
- PLANT SEASONAL COLOR AS SPECIFIED AND AT INDICATED SPACING SHOWN ON PLANS.
- EDGE SEASONAL COLOR BED AND MULCH AS SPECIFIED.
- WATER THOROUGHLY.

FILE NAME: LAF1048



3525 Piedmont RD NE
Building 8, Suite 320
Atlanta, Georgia 30306
www.hgor.com
p. 404-248-1960
f. 404-248-1092

CONSULTANT LOGO:

CONSULTANT INFORMATION:

PROJECT TITLE:

**ROSA PARKS SQUARE
RENOVATION PROJECT**

POPLAR STREET
MACON, GEORGIA

MACON-BIBB COUNTY
MACON, GEORGIA

PROJECT NO:
21026

PRINCIPAL IN CHARGE: TF
PROJECT MANAGER: MW
DRAWN BY: MW

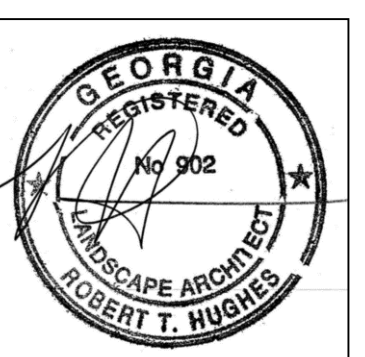
ISSUE AND DATE:
November 11th, 2021

CONSTRUCTION DOCUMENTS

REVISIONS:

NO.	DATE	DESCRIPTION
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SEAL:



SHEET TITLE:
**LANDSCAPE
DETAILS, NOTES,
& SCHEDULE**

SHEET NO.:

LS-3

RELEASED FOR CONSTRUCTION



**SECTION 324800
PLANTING IRRIGATION NOTES
(FOR IRRIGATION LIMITS PLANS)**

A. GENERAL

- THIS PLAN SHALL SERVE AS THE LIMITS OF IRRIGATION ONLY. IT DOES NOT REFLECT OR DEPICT THE IRRIGATION DESIGN. THE CONTRACTOR IS RESPONSIBLE FOR THE IRRIGATION DESIGN SO IT MEETS THE REQUIREMENTS OF SPECIFICATION SECTION 324800 SITE IRRIGATION AND THE FOLLOWING STANDARDS.
- PROVIDE AND COMPLETE AN OPERABLE SYSTEM FOR THE IRRIGATION OF ALL LANDSCAPED AREAS ON THE PROJECT SITE, UNLESS INDICATED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING HEAD LOCATION, HEAD/NOZZLE TYPE AND SIZE, AND ANY OTHER SYSTEM COMPONENTS SO THAT IRRIGATION SYSTEM LAYOUT IS COORDINATED WITH ACTUAL FIELD CONDITIONS. SUCH ADJUSTMENTS SHALL BE MADE AT NO COST TO THE OWNER EXCEPT, WHEN AUTHORIZED IN WRITING, SUCH ADJUSTMENTS WHICH WILL BE COMPENSATED FOR AT AN AGREED UPON COST.
- CONTRACTORS SHALL PROVIDE WITH THE BID A SIMPLE DESIGN INDICATING THE SCHEMATIC LOCATION OF EACH ZONE, THE QUANTITY AND TYPE OF SPRINKLERS TO BE USED.
- CONTRACTORS SHALL SPECIFY WITH THE BID THE MANUFACTURERS OF THE CONTROLLER, VALVES, AND SPRINKLERS.
- COMPLY WITH ALL CODES, ORDINANCES AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- OBTAIN ALL REQUIRED PERMITS AND PAY ALL REQUIRED FEES, AT NO ADDITIONAL COST TO THE OWNER. PENALTIES IMPOSED DUE TO FAILURE TO OBTAIN PERMITS OR PAY FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL WORK SHALL BE WARRANTED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR AGAINST DEFECTS IN MATERIAL, EQUIPMENT, WORKMANSHIP AND ANY REPAIRS RESULTING FROM LEAKS OR OTHER DEFECTS OF WORKMANSHIP, MATERIALS OR EQUIPMENT.
- SUBMIT SHOP DRAWINGS SHOWING IRRIGATIONS SYSTEM, INCLUDING PLAN LAYOUT AND LOCATIONS, TYPES, SIZES, CAPACITIES, AND FLOW CHARACTERISTICS OF IRRIGATION SYSTEM COMPONENTS.
- SUBMIT "AS-BUILT" DRAWING AT COMPLETION OF WORK SHOWING LOCATIONS OF ALL VALVES, HOSE BIBS AND WIRE SPLICES, WITH ACTUAL TRIANGULATED DIMENSIONS, AS WELL AS ANY DEVIATIONS ON LOCATION OF PIPING.
- LOCATE AND VERIFY ALL UTILITY LOCATIONS ON AND AROUND THE SITE PRIOR TO WORK. MAINTAIN EXISTING UTILITIES AND PROTECT THEM AGAINST DAMAGE DURING THE WORK.
- CONTRACTOR SHALL MAKE ANY NECESSARY ADJUSTMENTS IN THE PROPOSED IRRIGATION SYSTEM TO AVOID DAMAGE TO EXISTING STRUCTURES, PAVING AND UTILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING STRUCTURES, PAVING, UTILITIES AND/OR OTHER CONSTRUCTION RESULTING FROM IRRIGATION CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND LABOR TO FULLY EXECUTE AND GUARANTEE THE WORK AS REQUIRED. THE LIMITS OF WORK SHOWN ON THESE DRAWINGS SHALL BE IRRIGATED IN ACCORDANCE WITH THE SPECIFICATIONS AND PER THE DIRECTION OF THE OWNER OR LANDSCAPE ARCHITECT.
- ALL ADJUSTMENTS TO THE WORK SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER OR THE LANDSCAPE ARCHITECT.
- IRRIGATION CONTRACTOR WILL BE RESPONSIBLE FOR CONTACTING THE LANDSCAPE CONTRACTOR AND COORDINATING THE LAYOUT OF THE IRRIGATION SYSTEM WITH THE LANDSCAPE BED LINES PRIOR TO INSTALLATION.
- INSTALL BACKFLOW PREVENTER BELOW GRADE MEETING REQUIREMENTS OF LOCAL AUTHORITIES HAVING JURISDICTION UNLESS OTHERWISE REQUIRED BY JURISDICTION.
- LOCATE ALL IRRIGATION PIPING IN SUCH A WAY AS TO CAUSE THE LEAST CONFLICT WITH THE LOCATION OF PLANT MATERIALS AND OTHER SITE IMPROVEMENTS.
- MAIN LINE PIPING SHALL BE INSTALLED A MAXIMUM OF TWO (2) FEET FROM THE BACK OF CURB. LATERAL LINE PIPING SHALL BE INSTALLED SIMILARLY WHERE POSSIBLE.
- ALL VALVE BOXES SHALL BE LOCATED IN PLANT BEDS OR NATURAL AREAS. EXCEPTION WILL BE ALLOWED IF NO SUCH AREA IS WITHIN A 40-FOOT RADIUS OF THE DESIGNATED CONTROL VALVE LOCATION. NO MORE THAN TWO VALVE BOXES ARE TO BE LOCATED IN ONE SPECIFIC AREA.
- ALL SWING JOINTS SHALL BE OF RIGID ELBOW TYPE CONSTRUCTION. FLEX PIPE AND PHUNNY PIPE IS NOT ACCEPTABLE.
- THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE OWNER ON THE ELECTRICAL REQUIREMENTS AND LOCATION THEREOF FOR THE IRRIGATION CONTROL CLOCK. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL CONNECTIONS FROM THE 120 VAC SERVICE PROVIDED TO THE CONTROL CLOCK AND THE 24 VOLT FIELD WIRING TO THE CONTROL CLOCK.
- THE LOCATION OF THE CONTROL CLOCK SHALL BE COORDINATED WITH THE OWNER.
- THE CONTRACTOR SHALL ADJUST THE RADIUS AND ARC OF EACH SPRINKLER TO MINIMIZE "OVER THROW" AND TO ELIMINATE "DRY SPOTS".
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF ADDITIONAL HEADS NEEDED TO COVER "DRY SPOTS". THE LOCATION AND ARRANGEMENT OF THESE HEADS SHALL BE SUBJECT TO APPROVAL OF THE OWNER OR LANDSCAPE ARCHITECT.

B. SLEEVING

- IRRIGATION SLEEVING SHALL BE PROVIDED AND INSTALLED BY THE IRRIGATION CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, OR OTHER CONSTRUCTION RESULTING FROM INSTALLATION OF SLEEVES.
- ANY MODIFICATIONS TO THE SLEEVING IS SUBJECT TO THE APPROVAL OF THE OWNER OR THE LANDSCAPE ARCHITECT.
- ALL SLEEVES SHALL BE CLASS 160 SOLVENT WELD PVC PIPE OR SCHEDULE 80 PVC PIPE, AS PER THE SPECIFICATIONS.
- SLEEVES SHALL BE STRAIGHT, LEVEL AND THE SHORTEST LENGTH POSSIBLE. THE CONTRACTOR SHALL MAKE ANY ADJUSTMENT NECESSARY TO ACCOMMODATE EXISTING VEGETATION, UTILITIES, OR OTHER MAJOR CONSTRUCTION.
- THERE SHALL BE NO TURNS OR BENDS IN THE SLEEVES.
- BACKFILL MATERIAL PLACED AROUND THE SLEEVES SHALL BE FREE OF ROCKS OR OTHER FOREIGN MATTER THAT MAY CAUSE DAMAGE TO THE PIPE. TRENCH BACKFILL SHALL BE THOROUGHLY COMPACTED SUCH THAT NO SETTLEMENT OF FINISHED GRADE OCCURS.
- SLEEVES SHALL BE INSTALLED AT A DEPTH OF AT LEAST 24 INCHES BELOW PAVEMENT SURFACE, AND NO DEEPER THAN 36 INCHES. END OF THE SLEEVE SHALL EXTEND 18 INCHES BEYOND CURB OR PAVEMENT EDGE (SEE DETAIL).
- THE CONTRACTOR SHALL INSTALL A VERTICAL STUB THAT IS AT LEAST 18 INCHES ABOVE GRADE AT EACH END OF THE SLEEVE TO MARK ITS EXACT LOCATION.
- ONCE THE SLEEVING IS INSTALLED, THE CONTRACTOR SHALL INSTALL A TEMPORARY CAP ON EACH END OF THE SLEEVE TO MARK ITS EXACT LOCATION.
- THE CONTRACTORS SHALL LOCATE AND UNCOVER THE ENDS OF ALL SLEEVES.

C. SYSTEM PERFORMANCE REQUIREMENTS

- IRRIGATION ZONE CONTROLS SHALL BE AUTOMATIC OPERATION WITH CONTROLLER AND AUTOMATIC CONTROL VALVES.
- GENERAL IRRIGATION COVERAGE IS NOT ACCEPTABLE.
- ALL TURF, SHRUB/GROUND COVER BEDS AND SEASONAL COLOR BEDS SHALL BE IRRIGATED AND CONTROLLED BY SEPARATE ZONES.
- MINIMUM WATER COVERAGE NOT LESS THAN:
 - TURF AREAS: 100 PERCENT
 - OTHER PLANTING AREAS: 70 PERCENT
- COMPONENTS AND INSTALLATION: CAPABLE OF PRODUCING PIPING SYSTEMS WITH THE FOLLOWING MINIMUM WORKING PRESSURE RATINGS.
 - PRESSURE PIPING: 200 PSIG
 - CIRCUIT AND DRAIN PIPING: 150 PSIG
 - DRAIN PIPING: 100 PSIG

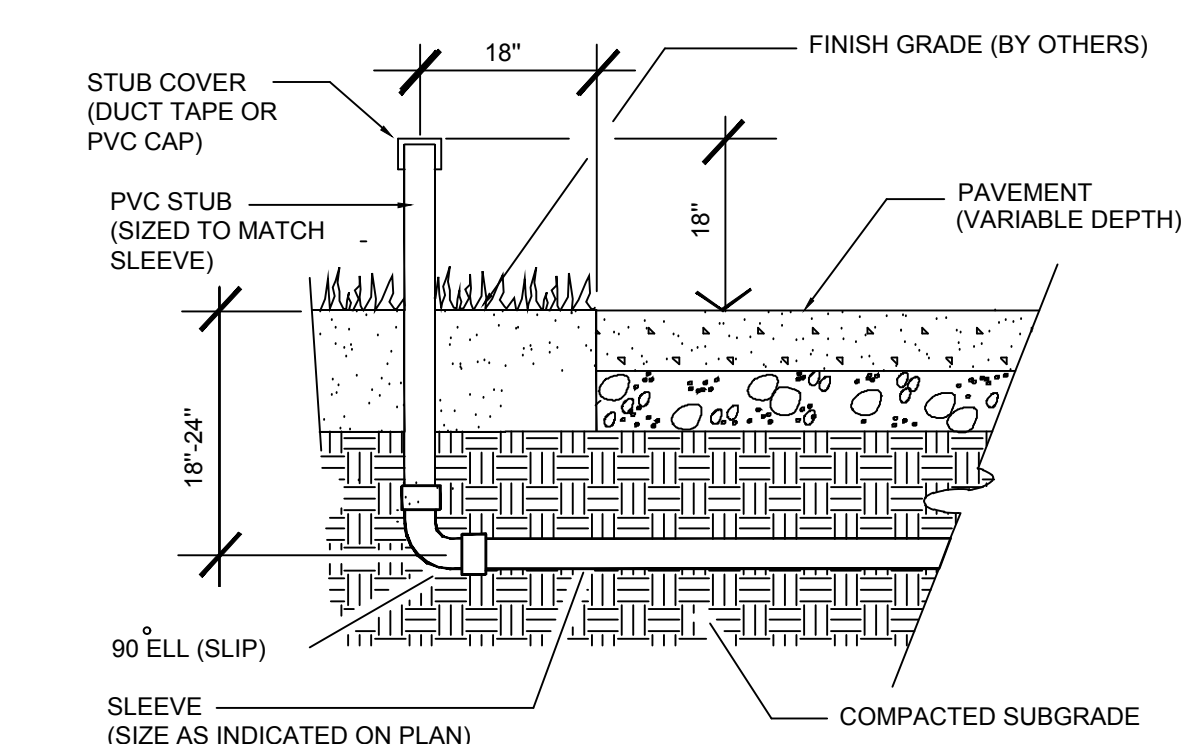
D. KEY

SITE IRRIGATION NOTES:

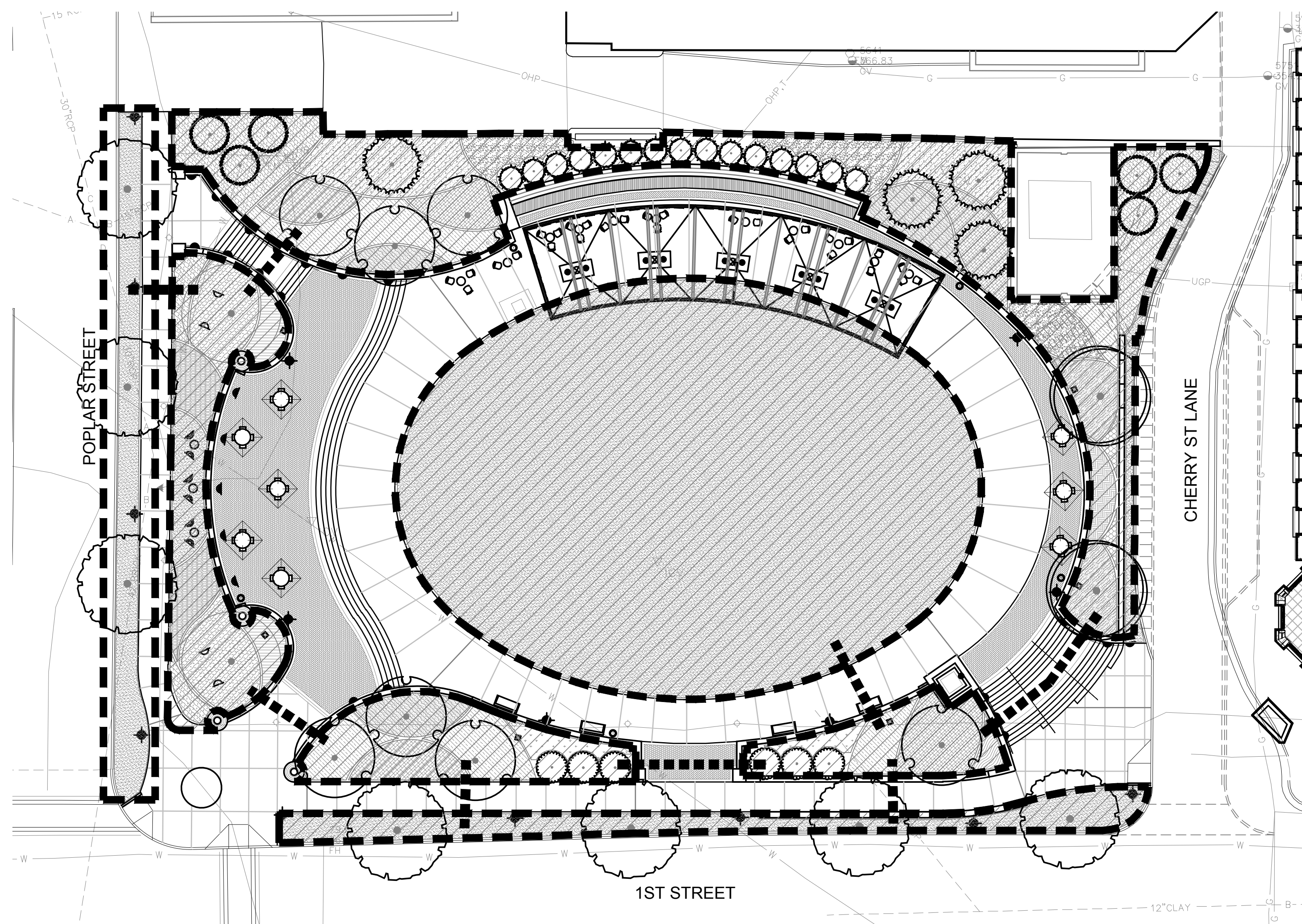
- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THERE ARE OTHER ACTIVE UTILITIES AND SERVICES IN AND AROUND THIS SITE. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING THESE TO AVOID DAMAGE TO THEM.
- THE CONTRACTOR SHALL MAKE ANY NECESSARY ADJUSTMENTS IN THE PROPOSED IRRIGATION SYSTEM TO AVOID DAMAGE TO EXISTING STRUCTURES, PAVING AND UTILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, PAVING, OR OTHER CONSTRUCTION RESULTING FROM IRRIGATION CONSTRUCTION.
- THE CONTRACTOR SHALL COMPLY WITH ALL CODES, ORDINANCES AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- ALL WORK ADJUSTMENTS, AND INSPECTIONS SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND LABOR TO FULLY EXECUTE AND GUARANTEE THE WORK AS REQUIRED. THE TOTAL WORK SHOWN ON THESE DRAWINGS SHALL BE IN ACCORDANCE WITH SPECIFICATIONS, AND ALSO AS PER INSTRUCTIONS OF THE LANDSCAPE ARCHITECT, AND THE OWNER.
- THE CONTRACTOR SHALL VERIFY ALL QUANTITIES TO ASSURE ADEQUATE INSTALLATION OF THE SYSTEM.
- THE LOCATION OF THE CONTROL CLOCKS ARE GENERALLY INDICATED ON THE DRAWINGS AND WILL BE SPECIFICALLY LOCATED ON SITE BY THE LANDSCAPE ARCHITECT OR THE OWNER.
- LINE LOCATIONS INDICATED ON THE DRAWINGS ARE SCHEMATIC. THE CONTRACTOR SHALL LOCATE ALL LINES IN SUCH A WAY AS TO CAUSE THE LEAST CONFLICT WITH THE LOCATION OF PROPOSED PLANT MATERIALS AND OTHER SITE IMPROVEMENTS.
- ALL MAIN LINES SHALL BE INSTALLED A MAXIMUM OF 2 FEET FROM THE BACK OF CURB WHERE POSSIBLE. LATERAL LINES SHALL BE INSTALLED LIKEWISE WHERE POSSIBLE.
- THE CONTRACTOR SHALL ADJUST THE RADIUS AND ARC OF EACH HEAD TO MINIMIZE "OVERTHROW" AND TO ELIMINATE "DRY SPOTS".
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF ADDITIONAL HEADS NEEDED TO COVER "DRY SPOTS". THE LOCATION AND ARRANGEMENT OF THESE HEADS SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- ALL VALVE BOXES ARE TO BE LOCATED IN PLANT BEDS OR NATURAL AREAS WHENEVER POSSIBLE. EXCEPTIONS WILL BE ALLOWED IF THERE IS NO SUCH AREA WITHIN A 40' RADIUS OF THE DESIGNATED CONTROL VALVE LOCATION. NO MORE THAN TWO VALVE BOXES ARE TO BE LOCATED IN ONE SPECIFIC AREA.
- THE ELECTRICAL SERVICE WILL BE STUBBED OUT AT THE CONTROL CLOCK LOCATION BY THE OWNER. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL CONNECTIONS FROM THE PROVIDED 120 VAC SERVICE TO THE CONTROL CLOCK AND THE 24 VOLT FIELD WIRING TO THE CONTROL VALVE.
- EACH CONTROL CLOCK HAS STATIONS THAT ARE NOT BEING UTILIZED. FOR EVERY VACANT STATION THERE IS TO BE A FIELD WIRE INSTALLED TO THE FURTHEST CONTROL VALVE LOCATION IN ANY ONE DIRECTION FROM THE CONTROL CLOCK. ONE SPARE WIRE SHALL BE INSTALLED IN CASE OF A FAULTY WIRE.
- THE NEWLY INSTALLED COMPONENTS OF THE SYSTEM SHALL BE UNCONDITIONALLY GUARANTEED BY THE IRRIGATION CONTRACTOR AGAINST ALL DEFECTIVE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF SUBSTANTIAL COMPLETION.
- THE CONTRACTOR SHALL BE RESPONSIBLE AT TIME OF COMPLETION FOR PROVIDING "AS BUILT" DRAWINGS, TO INCLUDE LOCATION OF VALVES (AUTOMATIC, MANUAL, AND WIRE SPLICES) WITH TRIANGULATED MEASUREMENTS TO EACH, AS WELL AS ANY DEVIATION IN LOCATION OF PIPING.
- IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO HAVE ALL PLANTING AREAS LAID OUT BY THE LANDSCAPE ARCHITECT OR LANDSCAPE CONTRACTOR PRIOR TO INSTALLATION.

SLEEVING NOTES:

- THE LOCATION OF SLEEVES, AS SHOWN ON THE DRAWINGS, ARE SCHEMATIC. SLEEVES SHALL BE STRAIGHT, LEVEL, AND THE SHORTEST LENGTH POSSIBLE. THE CONTRACTOR SHALL MAKE ANY ADJUSTMENT NECESSARY TO ACCOMMODATE EXISTING VEGETATION, UTILITIES, OR OTHER MAJOR CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, OR OTHER CONSTRUCTION RESULTING FROM INSTALLATION OF SLEEVES.
- WHERE A JOINT BETWEEN PIPE SECTIONS IS NECESSARY, THE INSIDE DIAMETER OF THE PIPE SHALL NOT BE REDUCED.
- SLEEVES SHALL BE INSTALLED AT A DEPTH OF AT LEAST 24 INCHES BELOW PAVEMENT SURFACE, AND NO DEEPER THAN 36 INCHES. END OF THE SLEEVE SHALL EXTEND 18 INCHES BEYOND CURB OR PAVEMENT EDGE (SEE DETAILED).
- THE CONTRACTOR SHALL INSTALL A VERTICAL STUB THAT IS AT LEAST 18 INCHES ABOVE GRADE AT EACH END OF THE SLEEVE TO MARK ITS EXACT LOCATION.
- ONCE THE SLEEVING IS INSTALLED, THE CONTRACTOR SHALL INSTALL A TEMPORARY CAP ON EACH END OF THE SLEEVE TO MARK ITS EXACT LOCATION.
- BACKFILL MATERIAL PLACED AROUND THE SLEEVES SHALL BE FREE OF ROCKS OR OTHER FOREIGN MATTER THAT MAY CAUSE DAMAGE TO THE PIPE. TRENCH BACKFILL SHALL BE THOROUGHLY COMPACTED SUCH THAT NO SETTLEMENT OF FINISHED GRADE OCCURS.
- ANY MODIFICATIONS TO THE SLEEVING IS SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL PROVIDE AN "AS-BUILT" PLAN OF THE LOCATION OF ALL SLEEVES, PRIOR TO ACCEPTANCE OF THE WORK.
- ALL SLEEVES SHALL BE CLASS 160 SOLVENT WELD PVC PIPE OR SCHEDULE 80 PVC PIPE, AS PER THE SPECIFICATIONS. SLEEVE SIZES ARE SHOWN ON THE DRAWINGS.
- ALL SLEEVES SHALL BE INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- THERE SHALL BE NO TURNS OR BENDS IN THE SLEEVES.
- THE CONTRACTOR SHALL LOCATE AND UNCOVER THE ENDS OF ALL SLEEVES.



B SLEEVE INSTALLATION SECTION
IR-1 N.T.S. (FOR INFORMATION ONLY) ID 5



A IRRIGATION LIMITS PLAN
IR-1 SCALE: 1:20

