

Appendix A

Shutesbury Public Library Site Plans

Shutesbury Public Library

66 Leverett Road, Shutesbury, MA 01072



OWNER

TOWN OF SHUTESBURY
1 COOLEYVILLE RD.
SHUTESBURY MA 01072-0276
T: 413.259.1214

OWNER'S PROJECT MANAGER

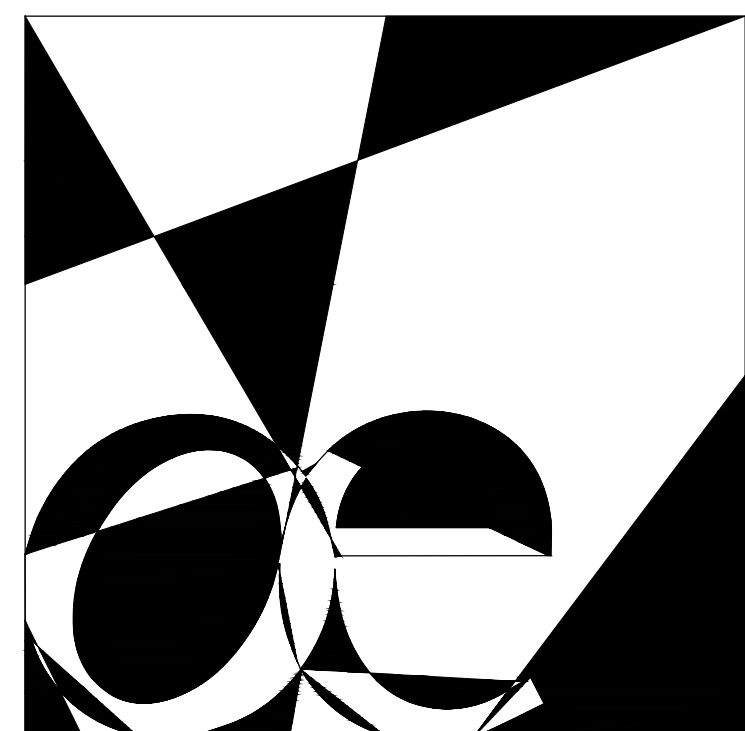
CONSTRUCTION MONITORING SERVICES
270 MAIN STREET
MARLBOROUGH, MA 01752
T: 508.786.0600

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<u>SHEET No.</u>	<u>SHEET TITLE</u>
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C2.0	SITE PREPARATION PLAN
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PERMIT SET

DECEMBER 21, 2023



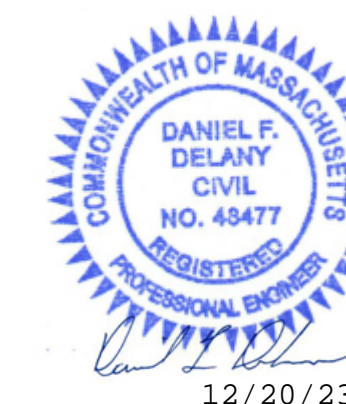
OUDENS ELLO ARCHITECTURE, LLC

46 WALTHAM STREET, SUITE 4A
BOSTON, MA 02118
T. 617.422.0980



FUSS & O'NEILL

1550 MAIN STREET, SUITE 400
SPRINGFIELD, MA 01103
413.452.0445
www.fando.com



CIVIL ENGINEER

FUSS & C NEILL, INC.
1550 MAIN STREET, SUITE 400
SPRINGFIELD, MA 01103
T: 413.452.0445

LANDSCAPE ARCHITECT

STIMPSON
288 NORFOLK ST.
CAMBRIDGE, MA 02139
T: 617.876.8960

STRUCTURAL ENGINEER

LEMESSURIER
1380 SOLDIERS FIELD RD.
BOSTON, AM 02135
T: 617.868.1200

MEP/FP ENGINEER

BALA CONSULTING ENGINEERS
52 TEMPLE PLACE
BOSTON, MA 02111
T: 617.357.6060

CODE/LIFE SAFETY

CODE RED CONSULTANTS
154 TURNPIKE RD., SUITE 200
SOUTHBOROUGH, MA 01772
T: 617.500.7633

SPECIFICATIONS

KALIN ASSOCIATES
1121 WASHINGTON ST.
NEWTON, MA 02465
T: 617.964.5477

LIGHTING

LAM PARTNERS, INC.
84 Sherman Street
Cambridge, MA 02140
T: 617.354.4502

ACOUSTICS

ACENTECH
33 MOULTON ST
CAMBRIDGE, MA 02138
T: 617.499.8000

SOLAR DESIGN

SOLAR DESIGN ASSOCIATES
280 Ayer Rd.
HARVARD, MA 01451
T: 978.456.6855

CODE CONSULTANTS

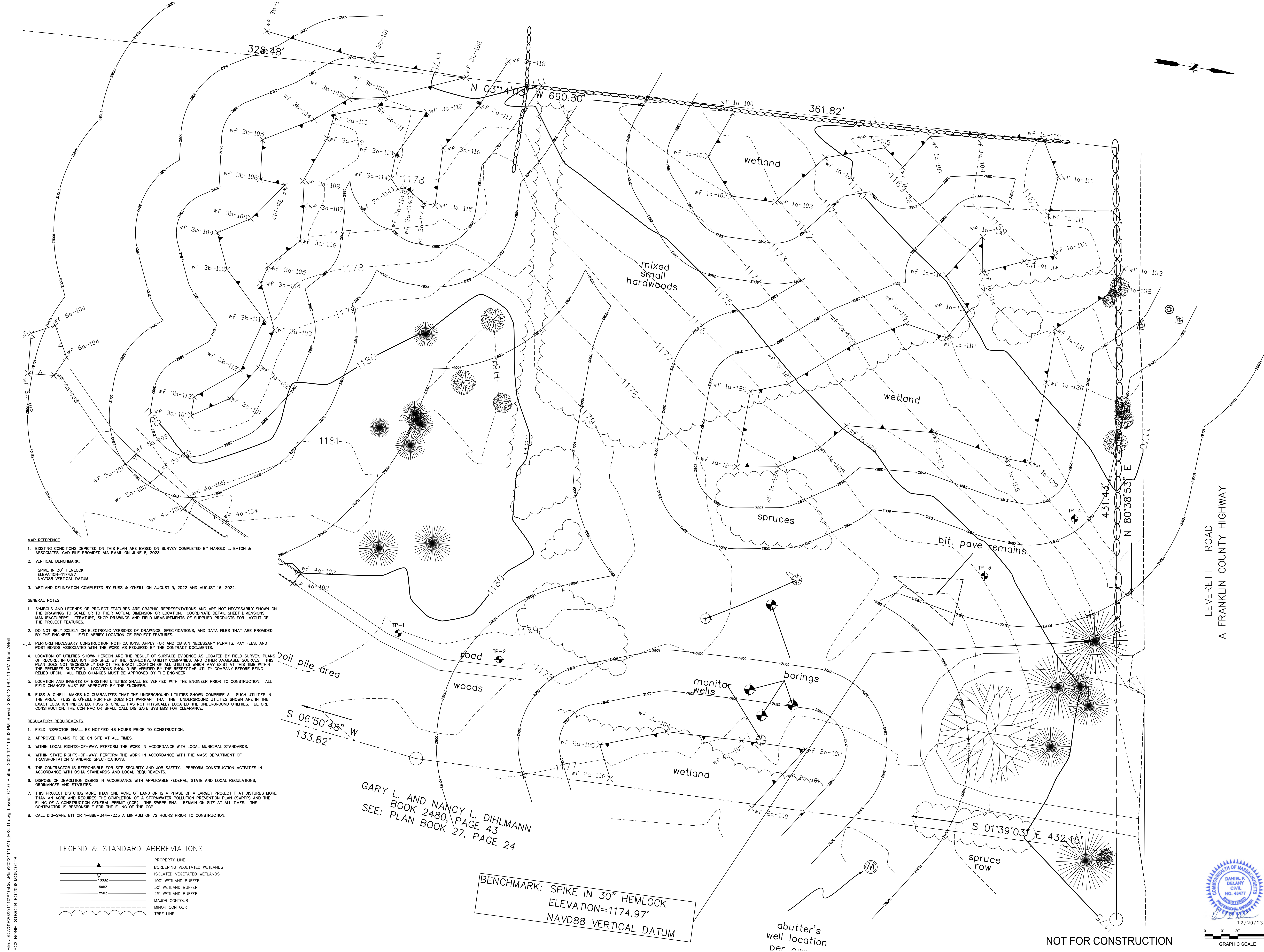
CODE RED CONSULTANTS
154 TURNPIKE ROAD, SUIT 200
SOUTHBOROUGH MA 01772
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Revision:	Date:
SD SET	04.28.2023
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Sheet Title:
EXISTING CONDITIONS PLAN

Date:	12/11/2023
Scale:	1"=20'
Drawn:	EWJ
Checked:	ATB
Project No.:	2023110A10

Sheet No.:
C1.0



- MAP REFERENCE**
- EXISTING CONDITIONS DEPICTED ON THIS PLAN ARE BASED ON SURVEY COMPLETED BY HAROLD L. EATON & ASSOCIATES. CAD FILE PROVIDED VIA EMAIL ON JUNE 8, 2023
 - VERTICAL BENCHMARK:
SPIKE IN 30" HEMLOCK
ELEVATION=1174.97
NAVD88 VERTICAL DATUM
 - WETLAND DELINEATION COMPLETED BY FUSS & O'NEILL ON AUGUST 5, 2022 AND AUGUST 16, 2022.

- GENERAL NOTES**
- SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SHOWN ON THE DRAWINGS TO SCALE OR TO THEIR ACTUAL DIMENSION OR LOCATION. COORDINATE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
 - DO NOT RELY SOLELY ON ELECTRONIC VERSIONS OF DRAWINGS, SPECIFICATIONS, AND DATA FILES THAT ARE PROVIDED BY THE ENGINEER. FIELD VERIFY LOCATION OF PROJECT FEATURES.
 - PERFORM NECESSARY CONSTRUCTION NOTIFICATIONS, APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK AS REQUIRED BY THE CONTRACT DOCUMENTS.
 - LOCATION OF UTILITIES SHOWN HEREON ARE THE RESULT OF SURFACE EVIDENCE AS LOCATED BY FIELD SURVEY, PLANS OF RECORD, INFORMATION FURNISHED BY THE RESPECTIVE UTILITY COMPANIES, AND OTHER AVAILABLE SOURCES. THIS PLAN DOES NOT NECESSARILY DEPICT THE EXACT LOCATION OF ALL UTILITIES WHICH MAY EXIST AT THIS TIME WITHIN THE PREMISES SURVEYED. LOCATIONS SHOULD BE VERIFIED BY THE RESPECTIVE UTILITY COMPANY BEFORE BEING RELIED UPON. ALL FIELD CHANGES MUST BE APPROVED BY THE ENGINEER.
 - LOCATION AND INVERTS OF EXISTING UTILITIES SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO CONSTRUCTION. ALL FIELD CHANGES MUST BE APPROVED BY THE ENGINEER.
 - FUSS & O'NEILL MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA. FUSS & O'NEILL FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. FUSS & O'NEILL HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. BEFORE CONSTRUCTION, THE CONTRACTOR SHALL CALL DIG SAFE SYSTEMS FOR CLEARANCE.

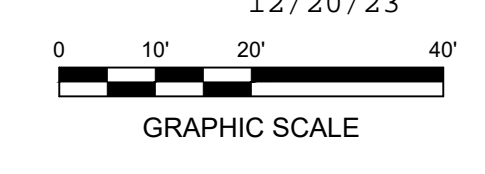
- REGULATORY REQUIREMENTS**
- FIELD INSPECTOR SHALL BE NOTIFIED 48 HOURS PRIOR TO CONSTRUCTION.
 - APPROVED PLANS TO BE ON SITE AT ALL TIMES.
 - WITHIN LOCAL RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS.
 - WITHIN STATE RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH THE MASS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
 - THE CONTRACTOR IS RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
 - DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.
 - THIS PROJECT DISTURBS MORE THAN ONE ACRE OF LAND OR IS A PHASE OF A LARGER PROJECT THAT DISTURBS MORE THAN AN ACRE AND REQUIRES THE COMPLETION OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND THE FILING OF A CONSTRUCTION GENERAL PERMIT (CGP). THE SWPPP SHALL REMAIN ON SITE AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE FOR THE FILING OF THE CGP.
 - CALL DIG-SAFE 811 OR 1-888-344-7233 A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION.

LEGEND & STANDARD ABBREVIATIONS

	PROPERTY LINE
	BORDERING VEGETATED WETLANDS
	ISOLATED VEGETATED WETLANDS
	100' WETLAND BUFFER
	50' WETLAND BUFFER
	25' WETLAND BUFFER
	MAJOR CONTOUR
	MINOR CONTOUR
	TREE LINE

GARY L. AND NANCY L. DIHLMANN
BOOK 2480, PAGE 43
SEE: PLAN BOOK 27, PAGE 24

BENCHMARK: SPIKE IN 30" HEMLOCK
ELEVATION=1174.97'
NAVD88 VERTICAL DATUM



NOT FOR CONSTRUCTION

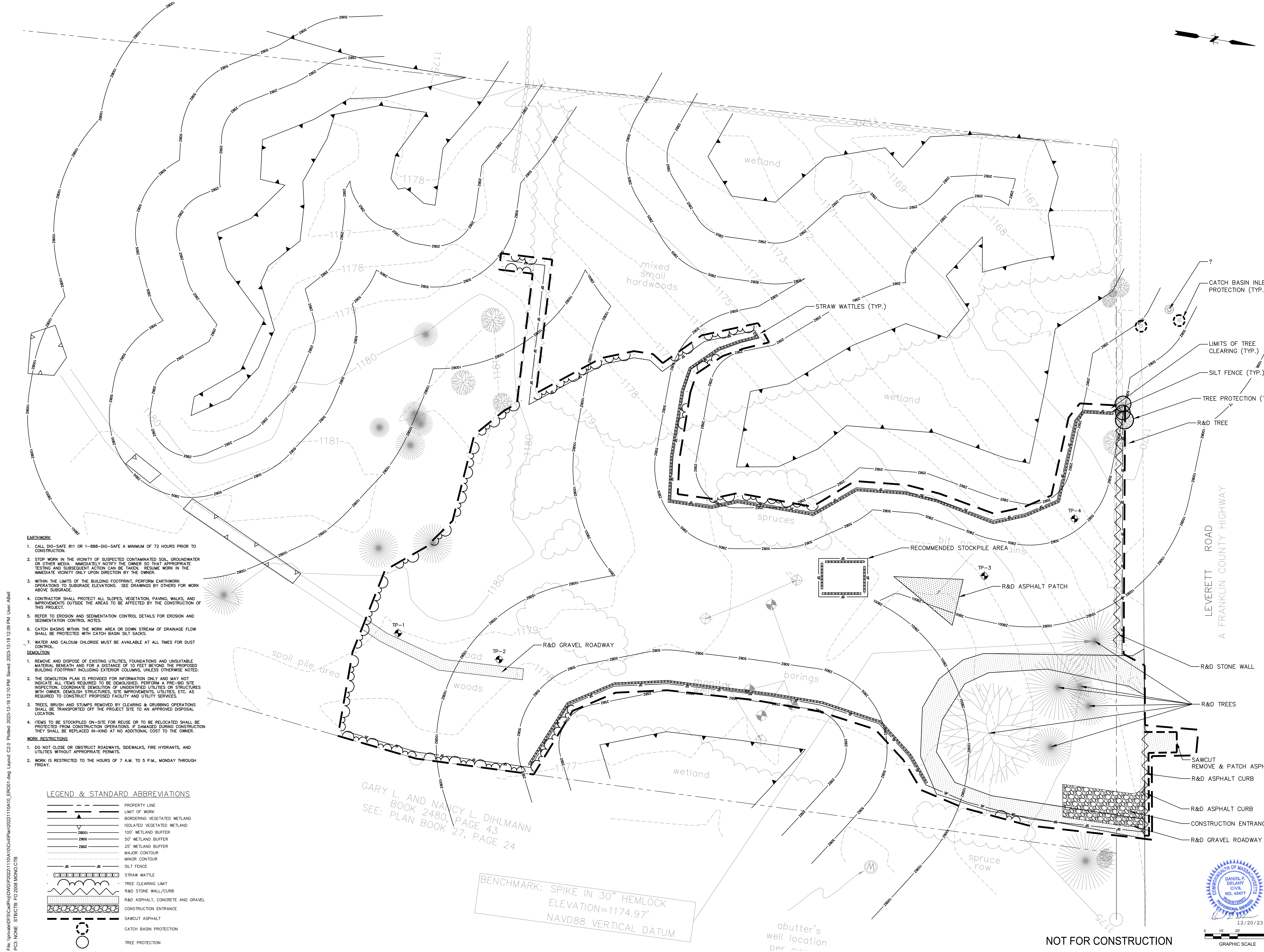
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BD Set	04.28.2023
100% SD Redesign Set	07.12.2023
DO SET	12.11.2023

Sheet Title:

SITE PREPARATION PLAN

Date:	12/11/2023
Scale:	1"=20'
Drawn:	EW
Checked:	ATB
Project No.:	2023110A10

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- EARTHWORK**
- CALL DIG-SAFE 811 OR 1-888-DIG-SAFE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION.
 - STOP WORK IN THE VICINITY OF SUSPECTED CONTAMINATED SOIL, GROUNDWATER OR OTHER MEDIA. IMMEDIATELY NOTIFY THE OWNER SO THAT APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. RESUME WORK IN THE IMMEDIATE VICINITY ONLY UPON DIRECTION BY THE OWNER.
 - WITHIN THE LIMITS OF THE BUILDING FOOTPRINT, PERFORM EARTHWORK OPERATIONS TO SUBGRADE ELEVATIONS. SEE DRAWINGS BY OTHERS FOR WORK ABOVE SUBGRADE.
 - CONTRACTOR SHALL PROTECT ALL SLOPES, VEGETATION, PAVING, WALKS, AND IMPROVEMENTS OUTSIDE THE AREAS TO BE AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
 - REFER TO EROSION AND SEDIMENTATION CONTROL DETAILS FOR EROSION AND SEDIMENTATION CONTROL NOTES.
 - CATCH BASINS WITHIN THE WORK AREA OR DOWN STREAM OF DRAINAGE FLOW SHALL BE PROTECTED WITH CATCH BASIN SILT SACKS.
 - WATER AND CALCIUM CHLORIDE MUST BE AVAILABLE AT ALL TIMES FOR DUST CONTROL.
- DEMOLITION**
- REMOVE AND DISPOSE OF EXISTING UTILITIES, FOUNDATIONS AND UNSUITABLE MATERIAL BENEATH AND FOR A DISTANCE OF 10 FEET BEYOND THE PROPOSED BUILDING FOOTPRINT INCLUDING EXTERIOR COLUMNS, UNLESS OTHERWISE NOTED.
 - THE DEMOLITION PLAN IS PROVIDED FOR INFORMATION ONLY AND MAY NOT INDICATE ALL ITEMS REQUIRED TO BE DEMOLISHED. PERFORM A PRE-BID SITE INSPECTION. COORDINATE DEMOLITION OF UNIDENTIFIED UTILITIES OR STRUCTURES WITH OWNER. DEMOLISH STRUCTURES, SITE IMPROVEMENTS, UTILITIES, ETC. AS REQUIRED TO CONSTRUCT PROPOSED FACILITY AND UTILITY SERVICES.
 - TREES, BRUSH AND STUMPS REMOVED BY CLEARING & GRUBBING OPERATIONS SHALL BE TRANSPORTED OFF THE PROJECT SITE TO AN APPROVED DISPOSAL LOCATION.
 - ITEMS TO BE STOCKPILED ON-SITE FOR REUSE OR TO BE RELOCATED SHALL BE PROTECTED FROM CONSTRUCTION OPERATIONS. IF DAMAGED DURING CONSTRUCTION THEY SHALL BE REPLACED IN-KIND AT NO ADDITIONAL COST TO THE OWNER.
- WORK RESTRICTIONS**
- DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, FIRE HYDRANTS, AND UTILITIES WITHOUT APPROPRIATE PERMITS.
 - WORK IS RESTRICTED TO THE HOURS OF 7 A.M. TO 5 P.M., MONDAY THROUGH FRIDAY.

LEGEND & STANDARD ABBREVIATIONS

	PROPERTY LINE
	LIMIT OF WORK
	BORDERING VEGETATED WETLAND
	ISOLATED VEGETATED WETLAND
	100' WETLAND BUFFER
	50' WETLAND BUFFER
	25' WETLAND BUFFER
	MAJOR CONTOUR
	MINOR CONTOUR
	SILT FENCE
	STRAW WATTLE
	TREE CLEARING LIMIT
	R&D STONE WALL/CURB
	R&D ASPHALT, CONCRETE AND GRAVEL
	CONSTRUCTION ENTRANCE
	SAWCUT ASPHALT
	CATCH BASIN PROTECTION
	TREE PROTECTION

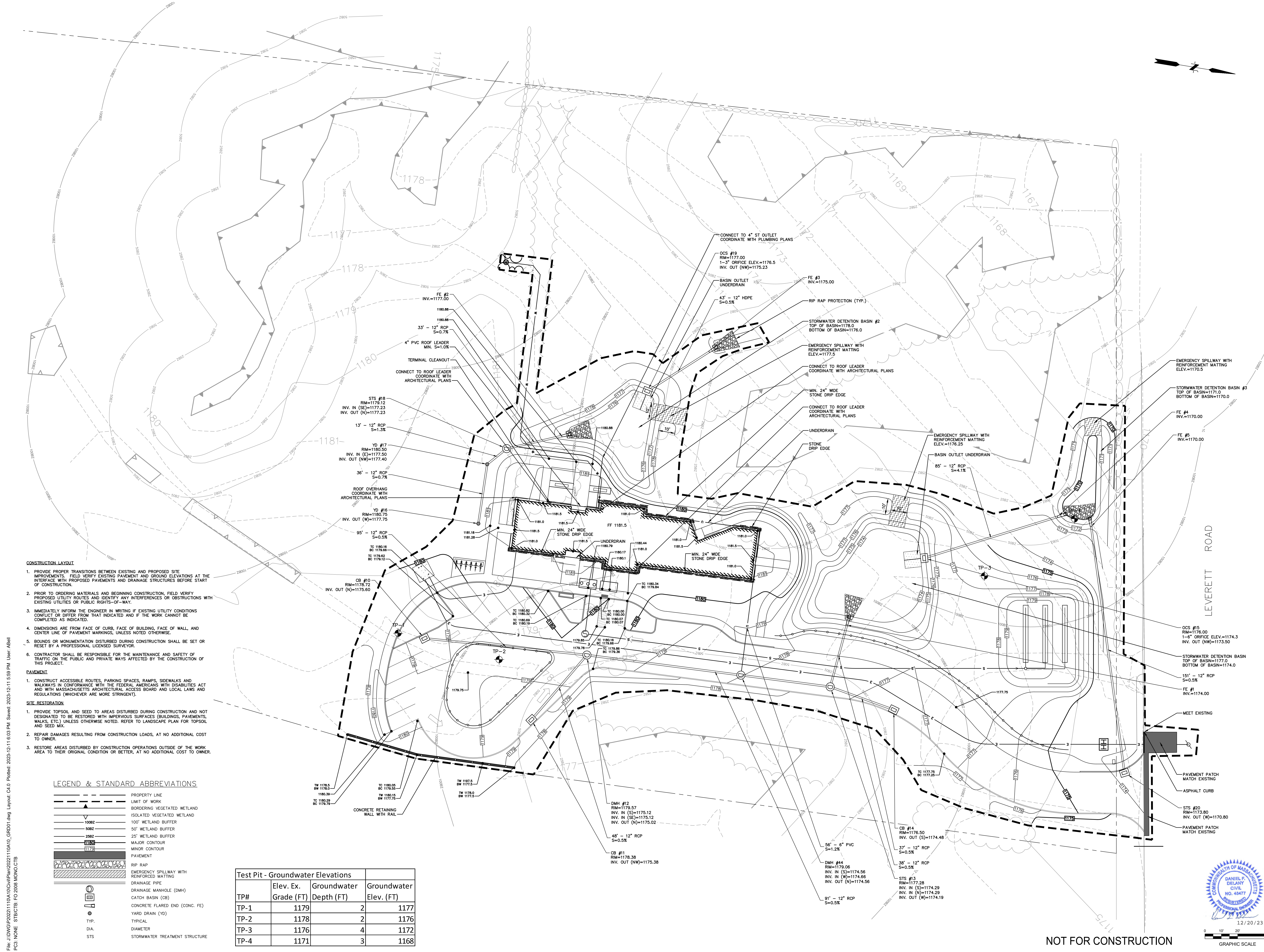
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DD SET	12.11.2023

SITE GRADING & DRAINAGE PLAN

Sheet Title:

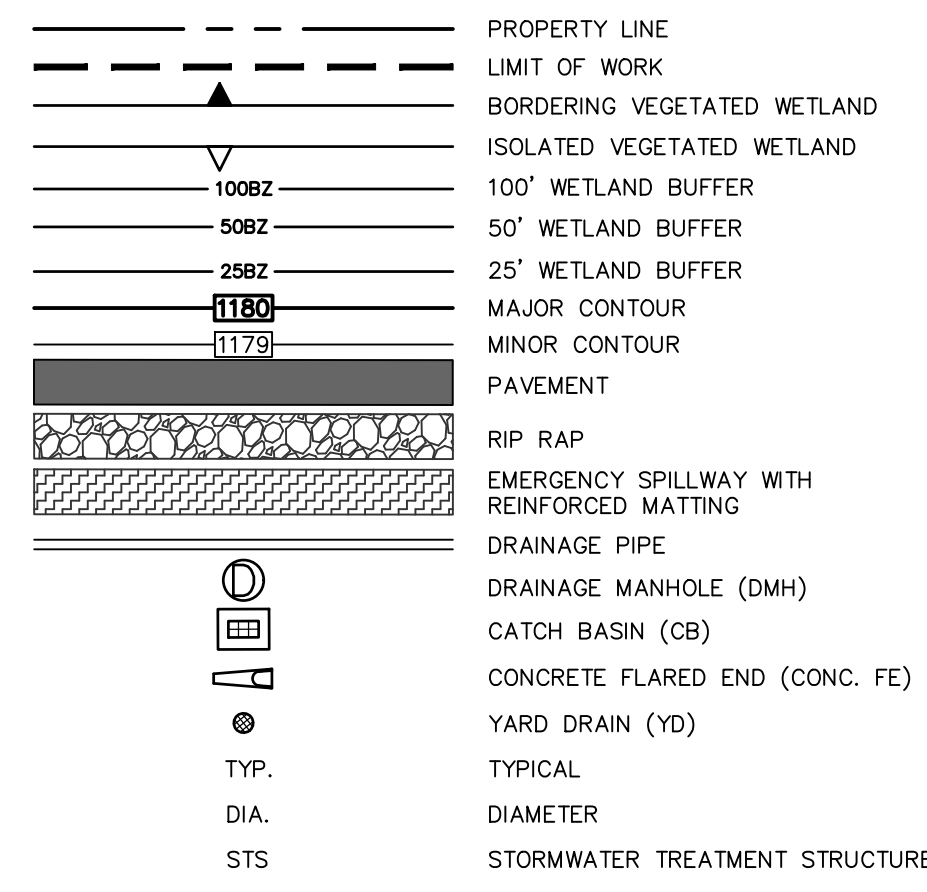
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- CONSTRUCTION LAYOUT**
- PROVIDE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED SITE IMPROVEMENTS. FIELD VERIFY EXISTING PAVEMENT AND GROUND ELEVATIONS AT THE INTERFACE WITH PROPOSED PAVEMENTS AND DRAINAGE STRUCTURES BEFORE START OF CONSTRUCTION.
 - PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, FIELD VERIFY PROPOSED UTILITY ROUTES AND IDENTIFY ANY INTERFERENCES OR OBSTRUCTIONS WITH EXISTING UTILITIES OR PUBLIC RIGHTS-OF-WAY.
 - IMMEDIATELY INFORM THE ENGINEER IN WRITING IF EXISTING UTILITY CONDITIONS CONFLICT OR DIFFER FROM THAT INDICATED AND IF THE WORK CANNOT BE COMPLETED AS INDICATED.
 - DIMENSIONS ARE FROM FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS NOTED OTHERWISE.
 - BOUNDS OR MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND SAFETY OF TRAFFIC ON THE PUBLIC AND PRIVATE WAYS AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
- PAVEMENT**
- CONSTRUCT ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH MASSACHUSETTS ARCHITECTURAL ACCESS BOARD AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).
- SITE RESTORATION**
- PROVIDE TOPSOIL AND SEED TO AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED TO BE RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) UNLESS OTHERWISE NOTED. REFER TO LANDSCAPE PLAN FOR TOPSOIL AND SEED MIX.
 - REPAIR DAMAGES RESULTING FROM CONSTRUCTION LOADS, AT NO ADDITIONAL COST TO OWNER.
 - RESTORE AREAS DISTURBED BY CONSTRUCTION OPERATIONS OUTSIDE OF THE WORK AREA TO THEIR ORIGINAL CONDITION OR BETTER, AT NO ADDITIONAL COST TO OWNER.

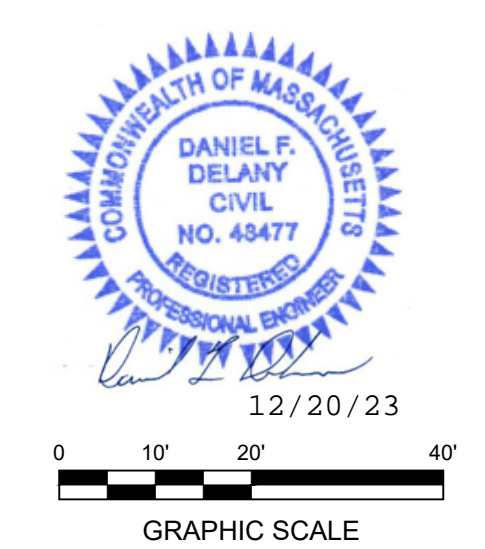
LEGEND & STANDARD ABBREVIATIONS



TP#	Elev. Ex. Grade (FT)	Groundwater Depth (FT)	Groundwater Elev. (FT)
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TP-2	1178	2	1176
TP-3	1176	4	1172
TP-4	1171	3	1168

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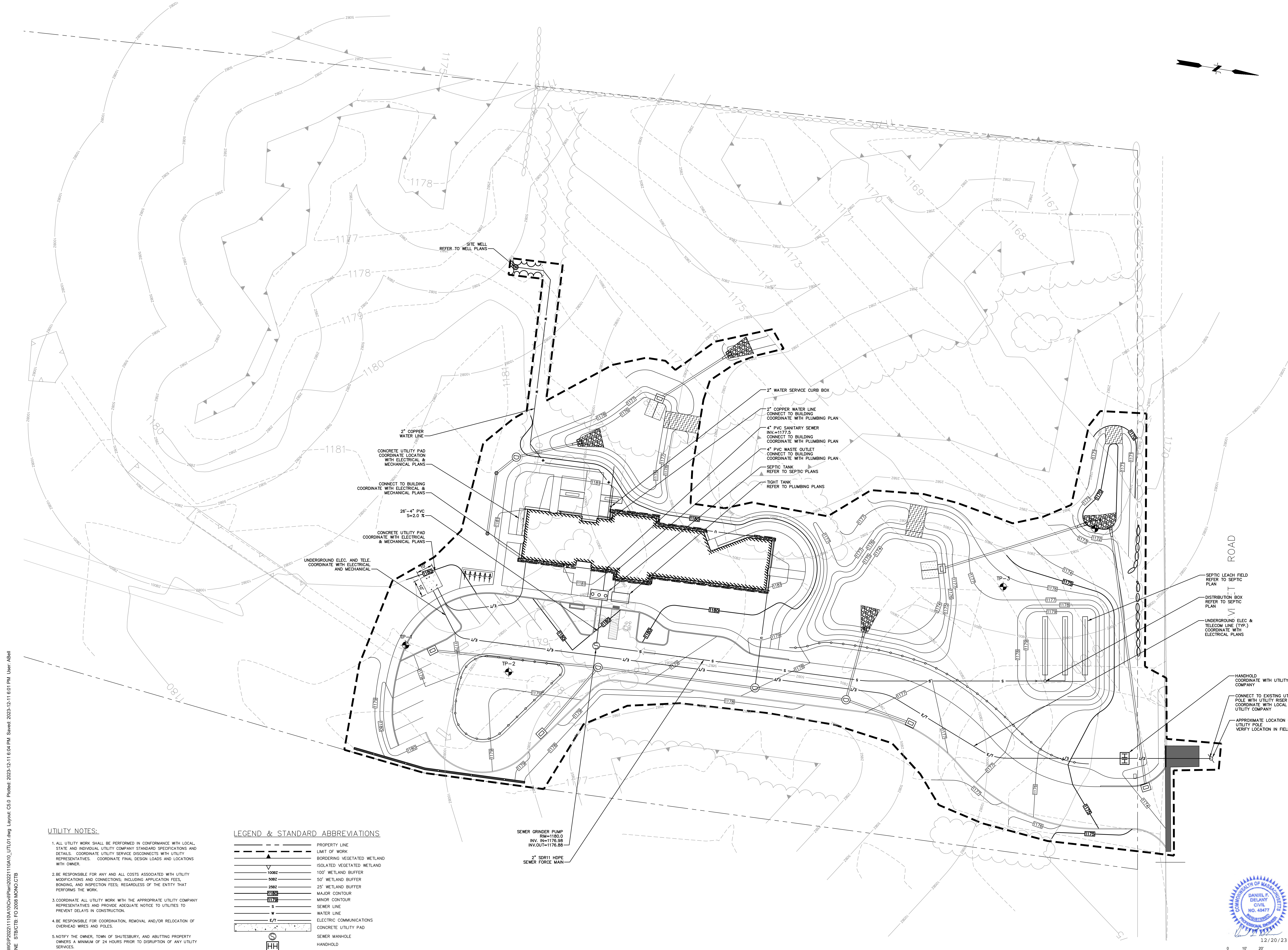


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Sheet Title:
SITE UTILITY PLAN

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Project No.:	2023110A10

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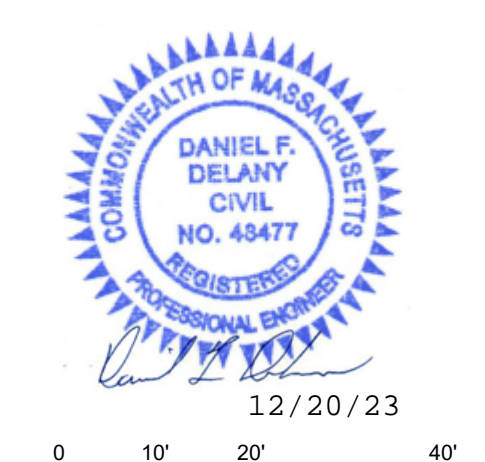
- UTILITY NOTES:**
- ALL UTILITY WORK SHALL BE PERFORMED IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. COORDINATE UTILITY SERVICE DISCONNECTS WITH UTILITY REPRESENTATIVES. COORDINATE FINAL DESIGN LOADS AND LOCATIONS WITH OWNER.
 - BE RESPONSIBLE FOR ANY AND ALL COSTS ASSOCIATED WITH UTILITY MODIFICATIONS AND CONNECTIONS, INCLUDING APPLICATION FEES, BONDING, AND INSPECTION FEES, REGARDLESS OF THE ENTITY THAT PERFORMS THE WORK.
 - COORDINATE ALL UTILITY WORK WITH THE APPROPRIATE UTILITY COMPANY REPRESENTATIVES AND PROVIDE ADEQUATE NOTICE TO UTILITIES TO PREVENT DELAYS IN CONSTRUCTION.
 - BE RESPONSIBLE FOR COORDINATION, REMOVAL AND/OR RELOCATION OF OVERHEAD WIRES AND POLES.
 - NOTIFY THE OWNER, TOWN OF SHUTESBURY, AND ADJACENT PROPERTY OWNERS A MINIMUM OF 24 HOURS PRIOR TO DISRUPTION OF ANY UTILITY SERVICES.

LEGEND & STANDARD ABBREVIATIONS

	PROPERTY LINE
	LIMIT OF WORK
	BORDERING VEGETATED WETLAND
	ISOLATED VEGETATED WETLAND
	100' WETLAND BUFFER
	50' WETLAND BUFFER
	25' WETLAND BUFFER
	MAJOR CONTOUR
	MINOR CONTOUR
	SEWER LINE
	WATER LINE
	ELECTRIC COMMUNICATIONS
	CONCRETE UTILITY PAD
	SEWER MANHOLE
	HANDHOLE

SEWER GRINDER PUMP
 RIM=1180.0
 INV. IN=1176.98
 INV. OUT=1176.88

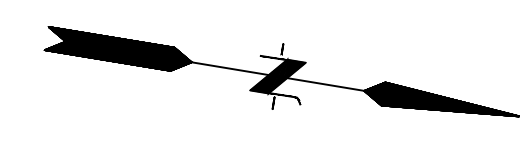
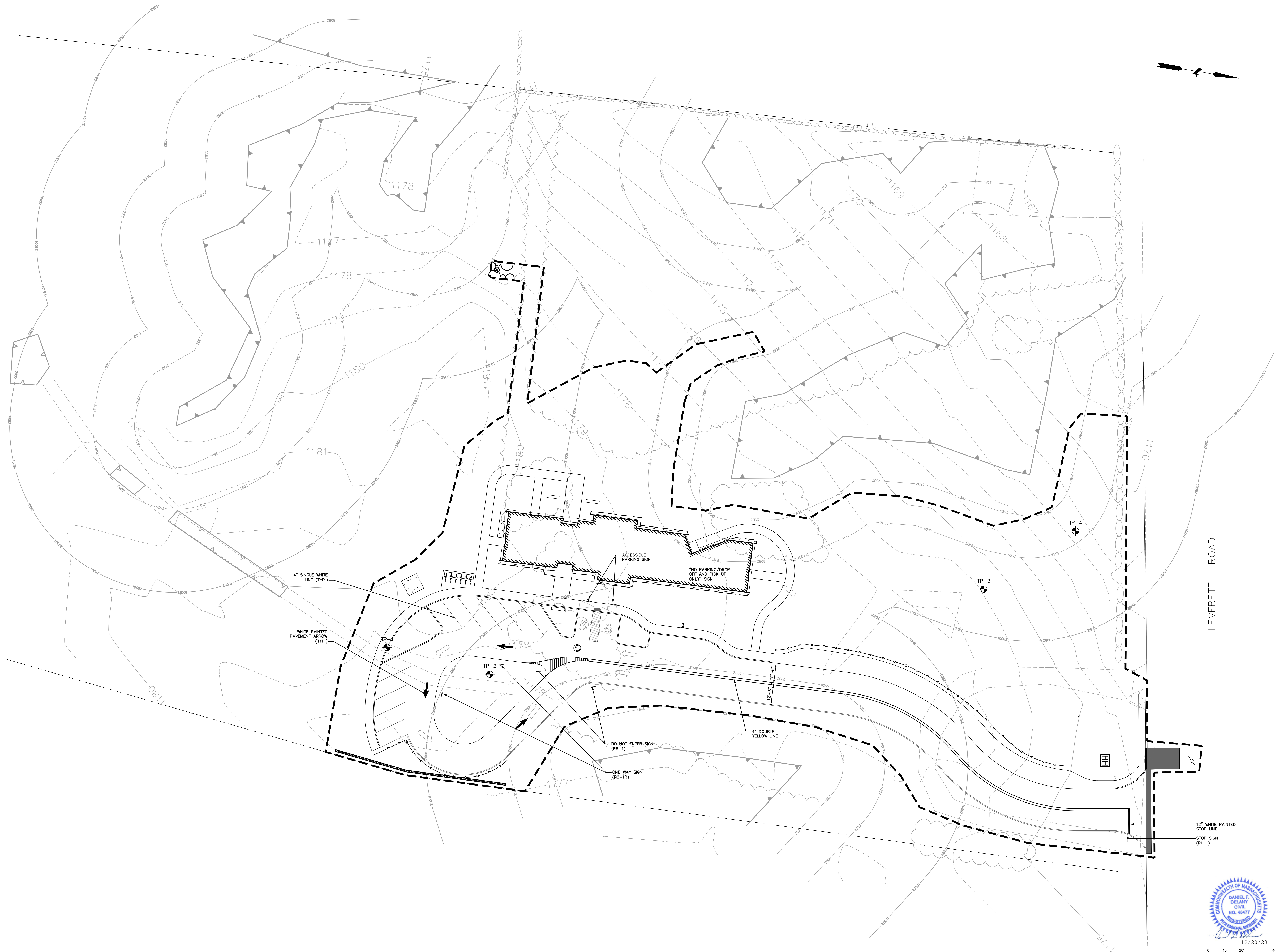
2" SDR11 HDPE
 SEWER FORCE MAIN



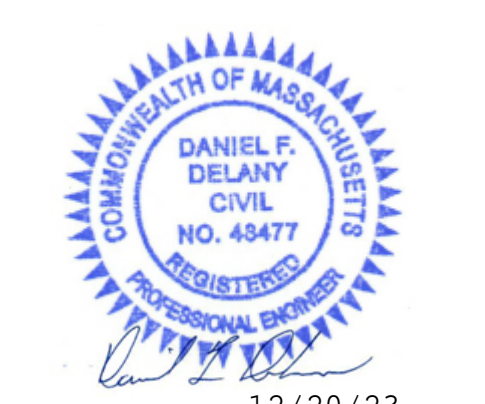
12/20/23
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NOT FOR CONSTRUCTION

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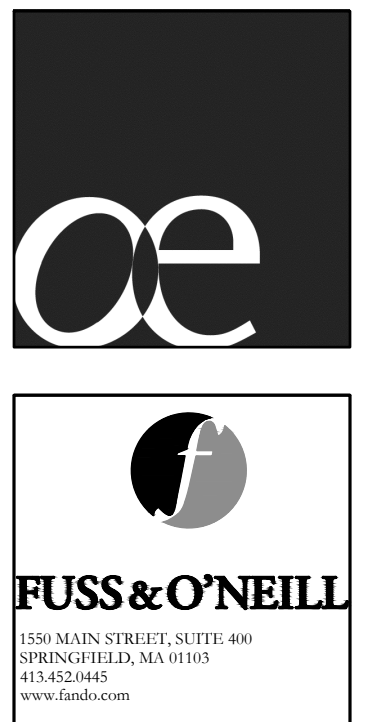


LEVERETT ROAD



12 / 20 / 23
GRAPHIC SCALE

NOT FOR CONSTRUCTION



Simon & Associates
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Lusk & O'Neil
LAM Partners
AM Fogarty & Associates
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Landscape
MEP/PE
Civil
Structural
Lighting
Cost Estimator

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66 Leverett Road
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82 Main Street, Suite 4A, Boston, MA
T. 617.522.0860, F. 617.492.0861

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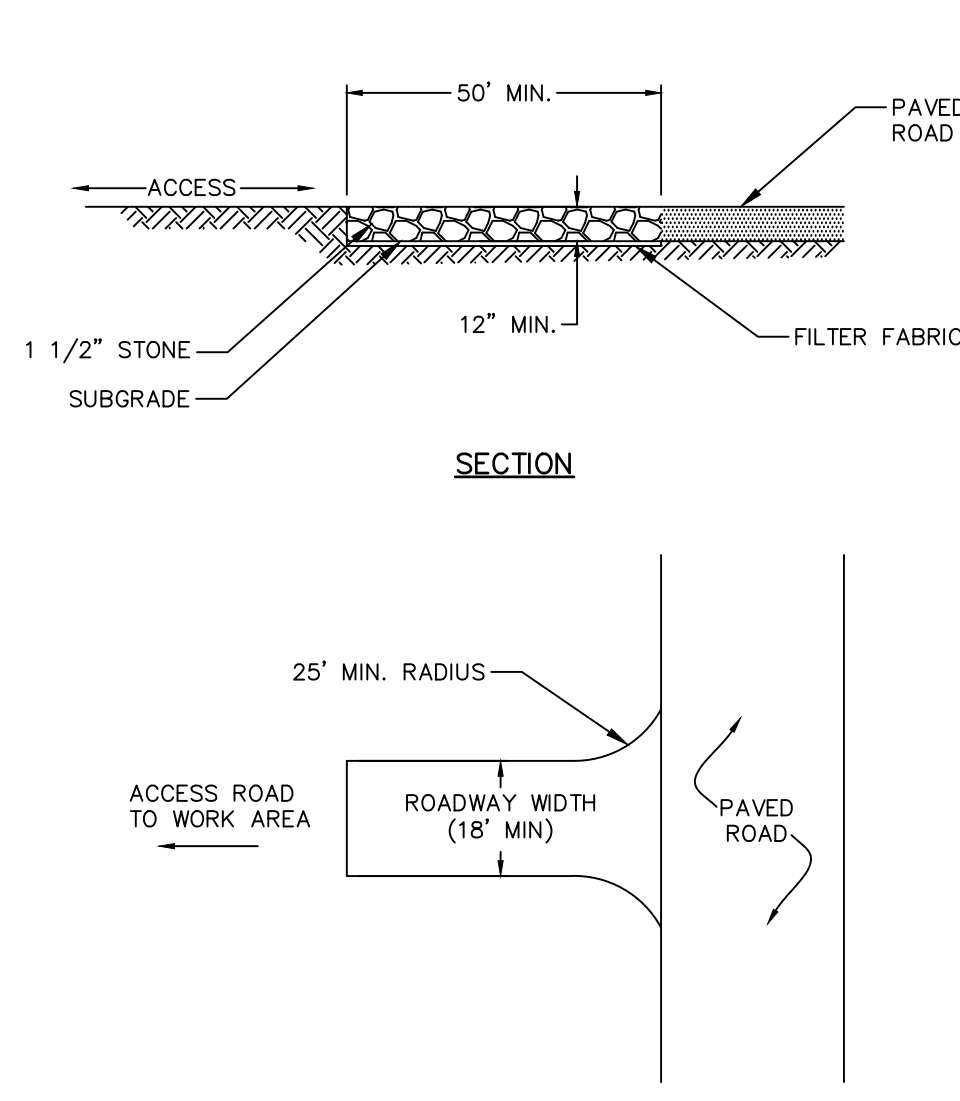
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**PAVEMENT MARKING
& SIGN PLAN**

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Project No: 2023110A10

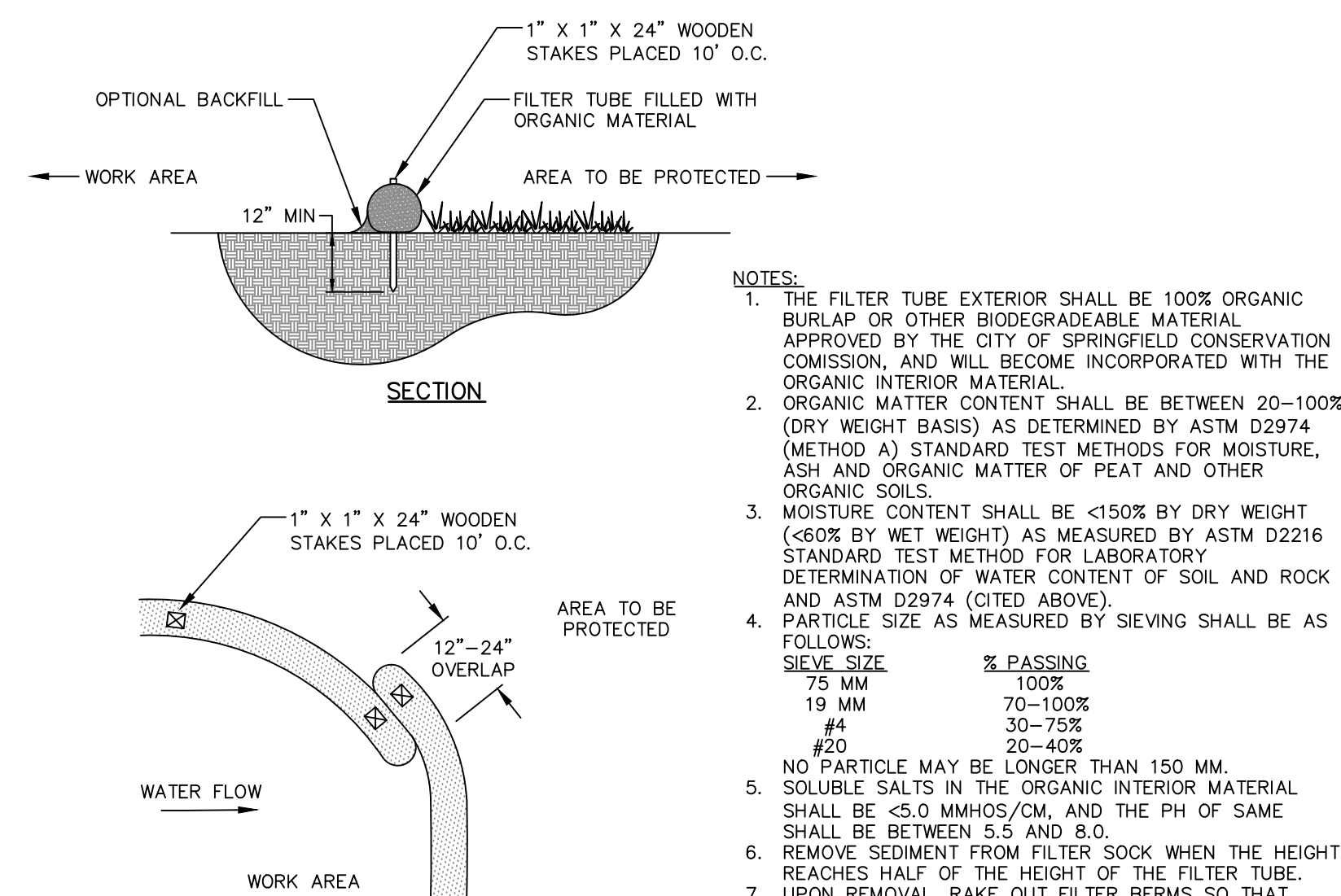
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EROSION & SEDIMENT CONTROL NOTES

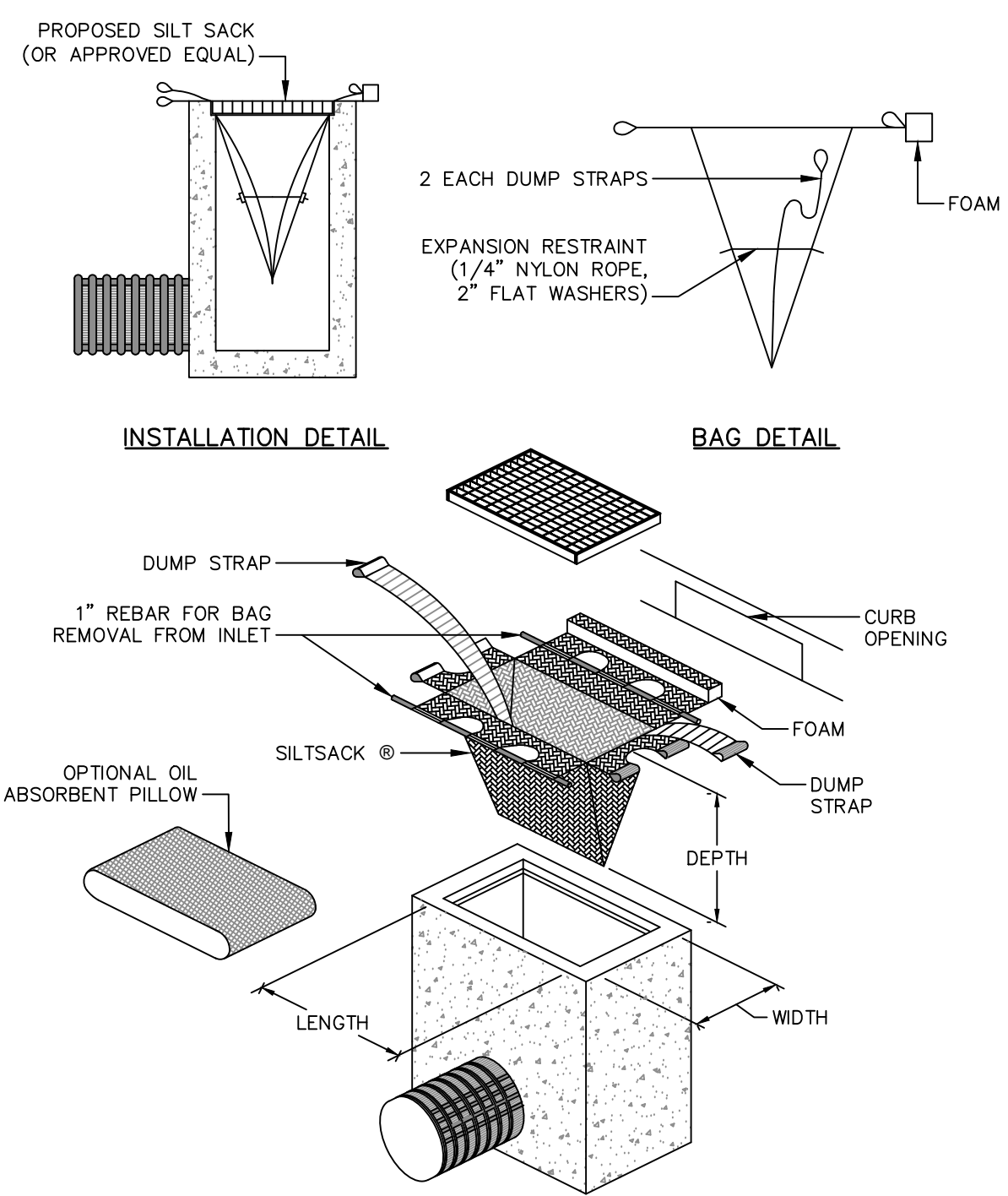
1. EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO STUMP REMOVAL AND CONSTRUCTION. STABILIZATION OF ALL REGRADED AND SOIL STOCKPILE AREAS WILL BE INITIATED AND MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
2. SEDIMENT REMOVED FROM EROSION CONTROL STRUCTURES WILL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THIS PLAN. ALL STRAW WATTLES OR SILT FENCE RETAINING SEDIMENT OVER 6" HIGH SHALL HAVE THE SEDIMENT REMOVED AND ALL DAMAGED EROSION CONTROLS REMOVED AND REPLACED.
3. THE CONTRACTOR WILL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE PROPER TOWN AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN TO THE TITLE TO THE LAND IS TRANSFERRED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE LIFE OF HIS CONTRACT. DUST CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO, SPRINKLING OF WATER ON EXPOSED SOILS AND HAUL ROADS. CONTRACTOR SHALL CONTROL DUST TO PREVENT A HAZARD TO TRAFFIC ON ADJACENT ROADWAYS.
5. IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN THIRTY (30) DAYS AFTER LAND DISTURBANCES CEASE, TEMPORARY VEGETATION OR MULCH SHALL BE USED TO STABILIZE SOILS. OUTSIDE OF THE GROWING SEASON, ONLY WOOD MULCH SHALL BE USED.
6. STRAW WATTLES SHALL BE USED ONLY AS A TEMPORARY MEASURE. WHERE CONTROL MEASURES WILL BE REQUIRED FOR LONGER THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED.
7. WHERE DEWATERING IS NECESSARY, THERE SHALL NOT BE A DISCHARGE DIRECTLY INTO WETLANDS OR WATERCOURSES. PROPER METHODS AND DEVICES SHALL BE UTILIZED TO THE EXTENT PERMITTED BY LAW, SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION BASIN, PROVIDING SURGE PROTECTION AT THE INLET AND THE OUTLET OF PUMPS, FLOATING THE INTAKE OF THE PUMP OR OTHER METHODS TO MINIMIZE AND RETAIN THE SUSPENDED SOLIDS. IF A PUMPING OPERATION IS CAUSING TURBIDITY PROBLEMS, SAID OPERATION SHALL CEASE UNTIL SUCH TIME AS FEASIBLE MEANS OF CONTROLLING TURBIDITY ARE DETERMINED AND IMPLEMENTED. THE CONTRACTOR MUST SUBMIT HIS DESIGN ALONG WITH THE LOCATIONS OF THE BASIN TO THE TOWN PRIOR TO CONSTRUCTION.
8. INSPECTION - A CERTIFIED SOIL SCIENTIST OR ENGINEER SHALL INSPECT ALL DISTURBED AREAS OF THE CONSTRUCTION ACTIVITY THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY WEEK AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 1.0 INCH OR GREATER. INSPECTION REPORTS SHALL BE SUBMITTED TO THE OWNER WEEKLY, AND TO THE INLAND WETLANDS AGENT AND THE PLANNING & ZONING COMMISSION MONTHLY. WHERE SITES HAVE BEEN FINALLY STABILIZED, SUCH INSPECTION SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH FOR THREE MONTHS. CONTROLS SHALL BE CLEANED, REPAIRED, AND/OR REPLACED AS REQUIRED. ANY DAMAGED CONTROLS SHALL BE REPAIRED IMMEDIATELY.
9. PERFORM CONSTRUCTION SEQUENCING IN SUCH A MANNER TO CONTROL EROSION AND TO MINIMIZE THE TIME THAT EARTH MATERIALS ARE EXPOSED BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED.



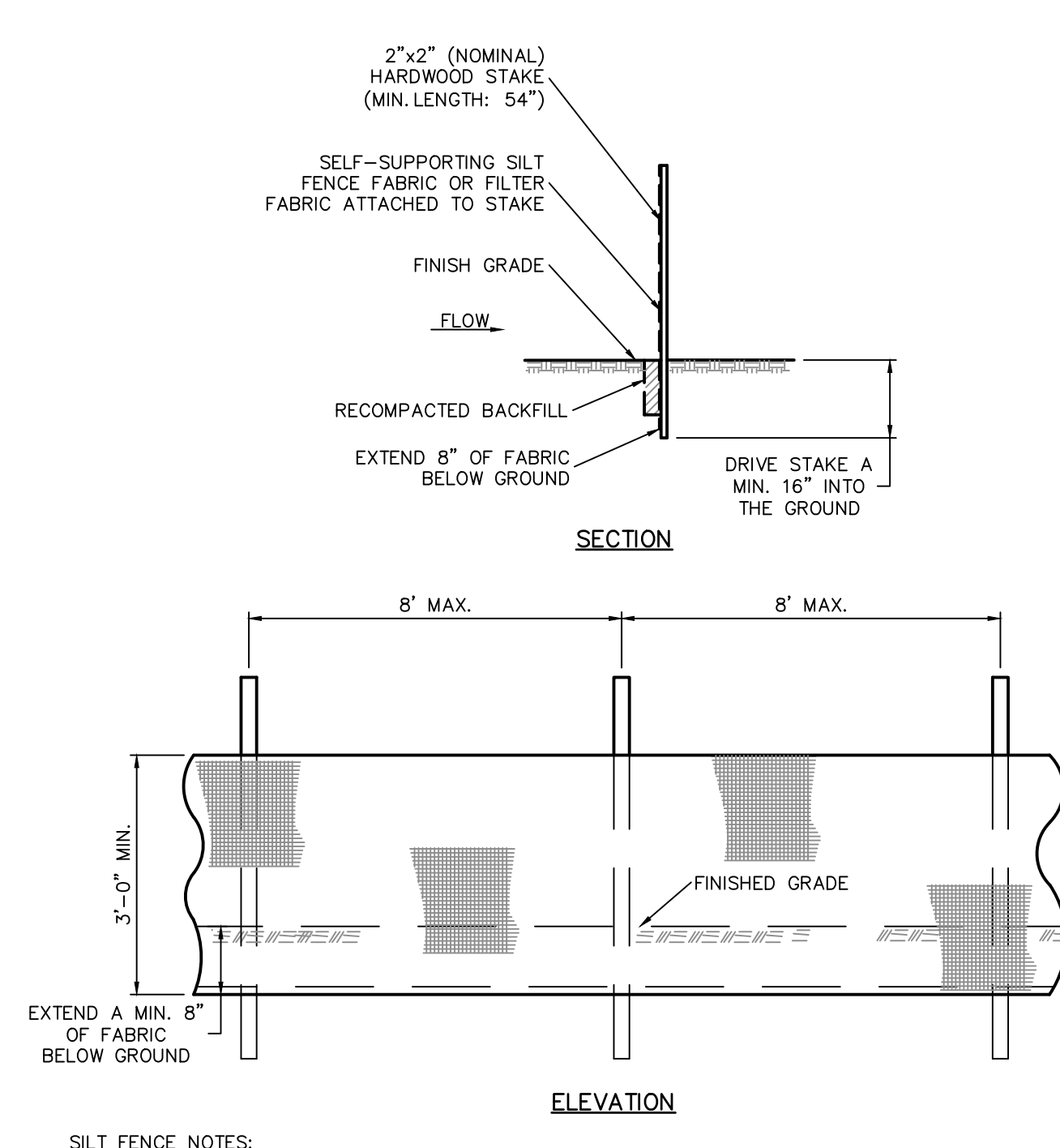
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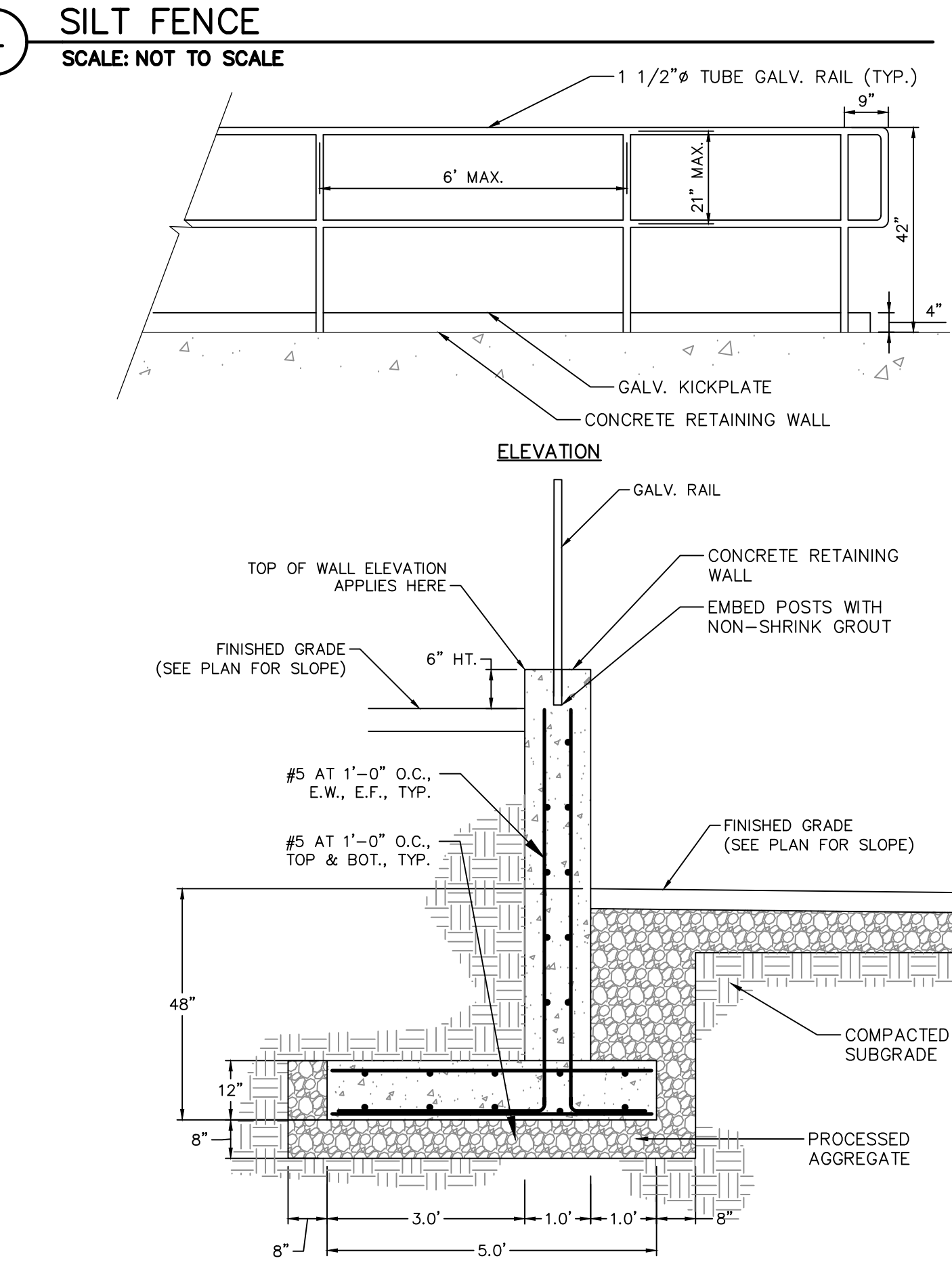
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SCALE: NOT TO SCALE



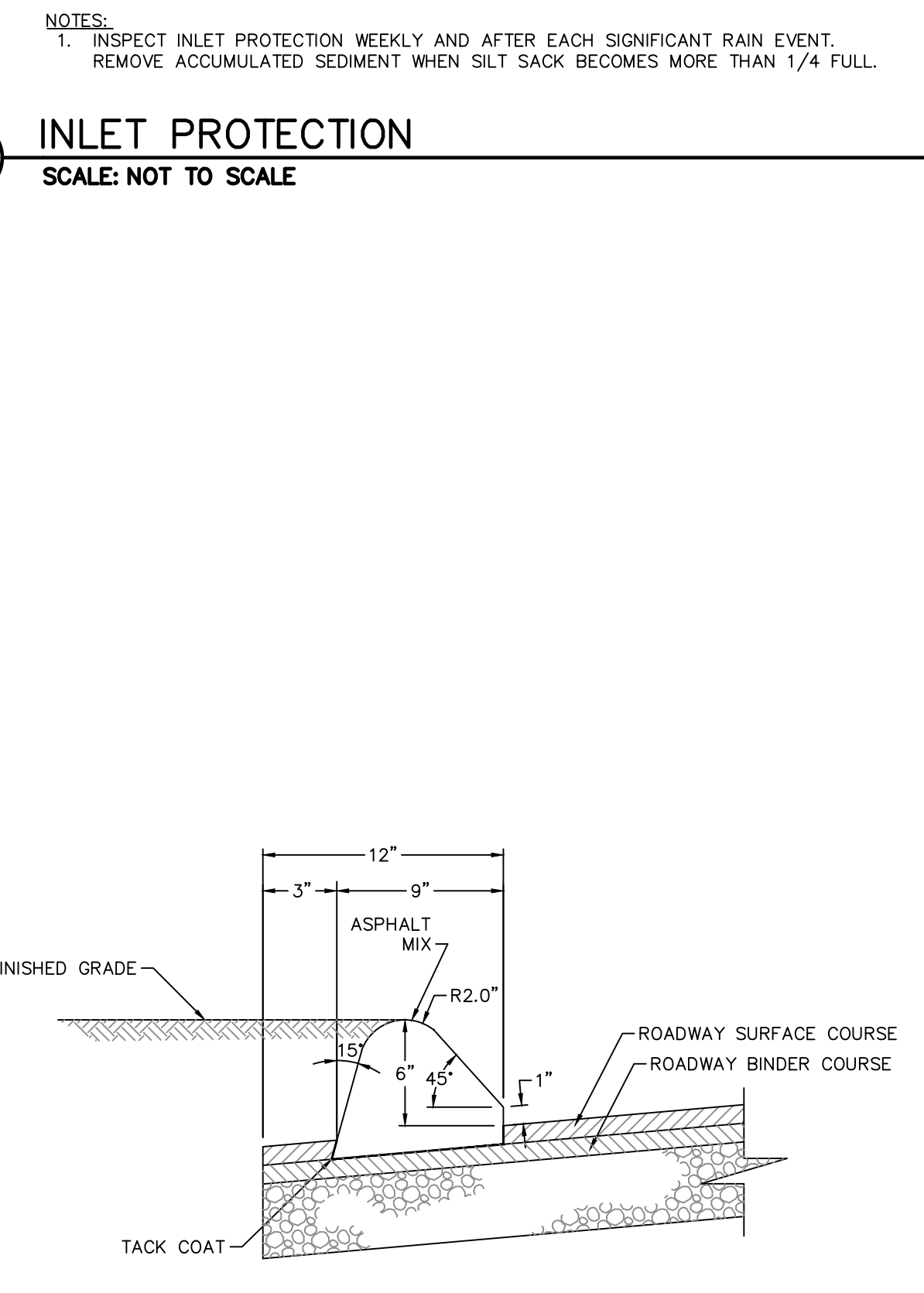
3 INLET PROTECTION
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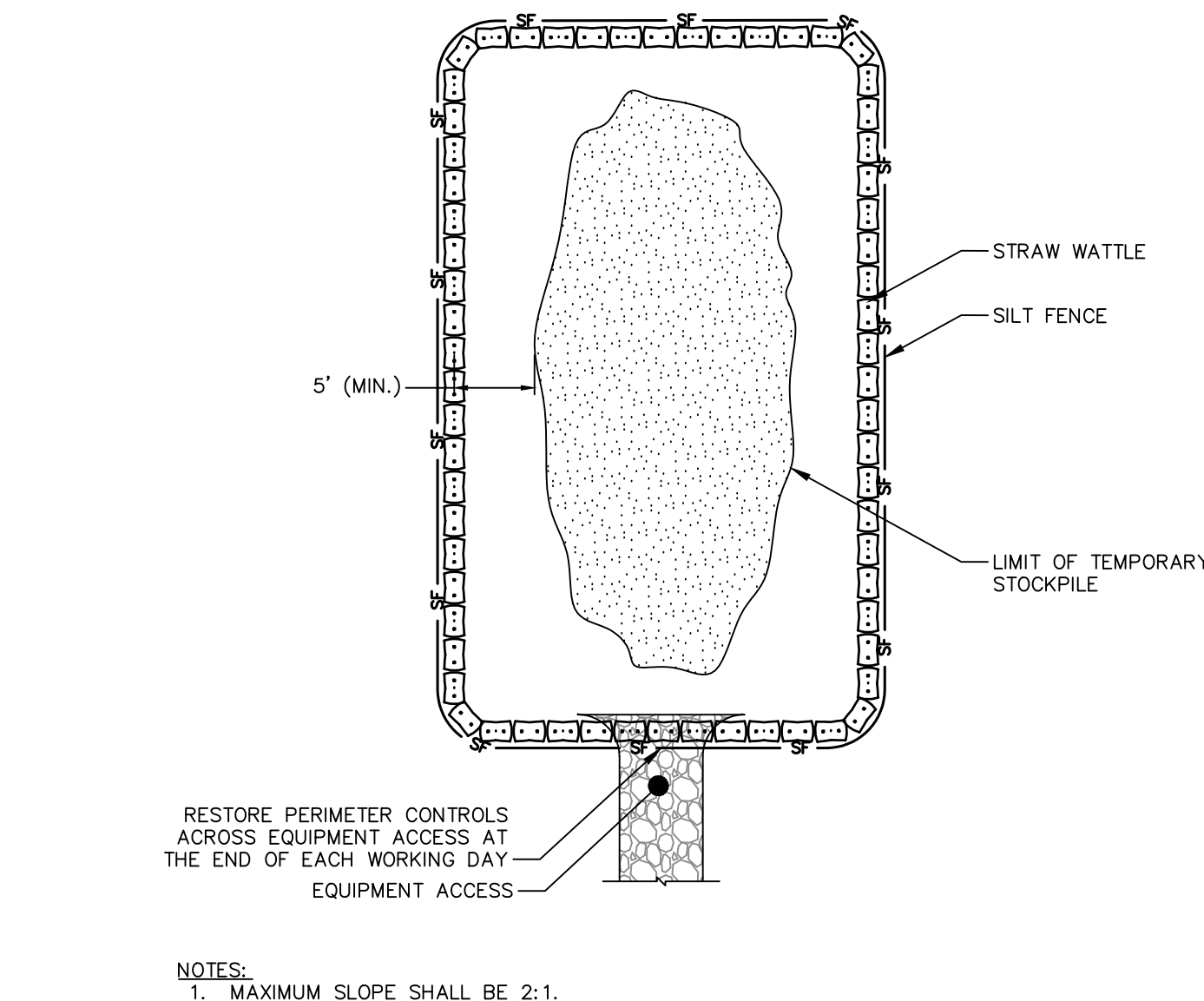
4 SILT FENCE
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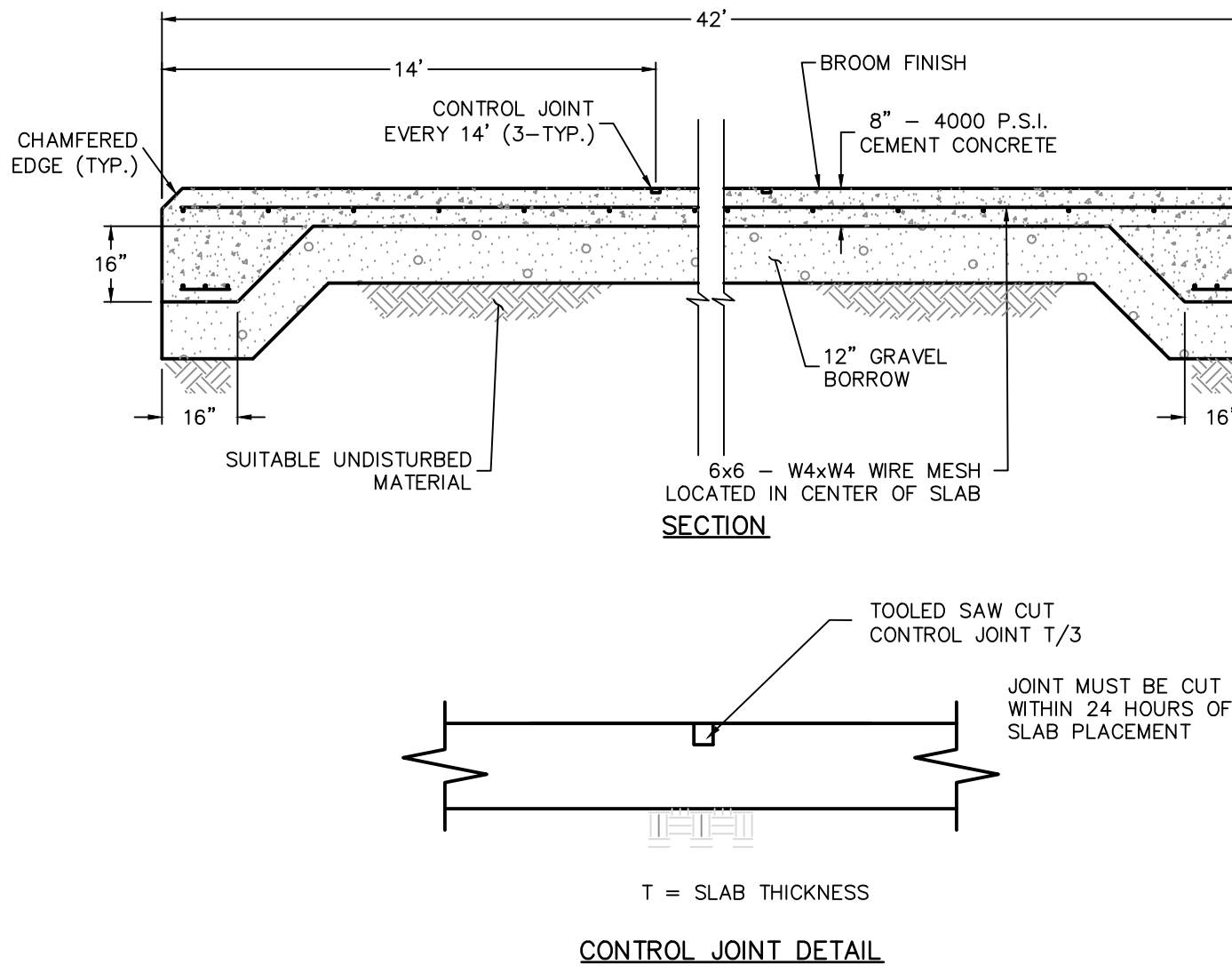
8 CONCRETE RETAINING WALL
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7 ASPHALT CURB
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5 STOCKPILE AREA
SCALE: NOT TO SCALE



9 CONCRETE UTILITY PAD
SCALE: NOT TO SCALE

- EXTERIOR CONCRETE NOTES:**
1. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE MASSACHUSETTS STATE BUILDING CODE 8TH EDITION AND ALL LOCAL REQUIREMENTS.
 2. DIMENSIONS AND CONDITIONS SHALL BE VERIFIED IN FIELD PRIOR TO THE COMMENCEMENT OF WORK.
 3. ALL CONCRETE SHALL HAVE A DESIGN STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.
 4. REINFORCING RODS SHALL BE ASTM A615, GRADE 60 EXCEPT WHERE FIELD BENDING IS REQUIRED, GRADE 40.
 5. WELDED WIRE MESH SHALL BE ASTM A185. ALL WELDED WIRE MESH SHALL BE IN SHEET FORM.
 6. PROVIDE SAW CUT EXPANSION/CONTROL JOINTS AT AREAS NOTED. ALL SAW CUT EXPANSION JOINTS SHALL BE A MINIMUM OF 1/4 OF THE SLAB THICKNESS AND A MAXIMUM OF 1/3 OF THE SLAB THICKNESS. JOINTS MUST BE CUT WITHIN 24 HOURS OF CONCRETE PLACEMENT.
 7. JOINTS MUST BE SPACED IN ACCORDANCE WITH ACI-318 AND THE FOLLOWING RECOMMENDATIONS:
4" THICK SLAB-18'X18' < 250 SQ FT
5" THICK SLAB-18'X18' < 325 SQ FT
6" THICK SLAB-20'X20' < 400 SQ FT
8" THICK SLAB-25'X25' < 500 SQ FT
 8. ALL CONCRETE SHALL BE MIXED AND PLACED IN ACCORDANCE WITH THE ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI-318-89 (R92).
 9. CONCRETE CONTRACTOR SHALL INSTALL CHASES THROUGH THE FOUNDATION WALLS AS DIRECTED BY THE GENERAL CONTRACTOR.
 10. EXTERIOR CONCRETE SLABS TO HAVE A LIGHT BROOM FINISH. CONCRETE SLABS TO RECEIVE (1) COAT OF CLEAR SEALER/HARDENER EXCEPT AS NOTED.
 11. ALL REINFORCING BARS TO HAVE MINIMUM 2" COVERAGE.
 12. ALL CONCRETE TO BE POURED WITH A MAXIMUM 4' SLUMP.
 13. FLOOR SLAB REINFORCING MUST BE LOCATED AT OR ABOVE MID DEPTH OF THE FLOOR SLAB UNLESS TOP AND BOTTOM REINFORCEMENT IS SPECIFIED. SHEETS ARE TO BE USED IN ALL WELDED WIRE MESH APPLICATIONS. WELDED WIRE MESH TO BE PLACED WITH CHAIRS OR BOLSTERS ONLY.
 14. POURING CONCRETE FLOORS IN A CHECKERBOARD PATTERN IS NOT APPROVED OR RECOMMENDED BY ACI.
 15. SEPARATE POURS MUST HAVE SMOOTH DOWELS (WRAPPED OR GREASED). DOWEL SIZES SHALL BE AS FOLLOWS:
4" THICK SLAB 1/2"X12" LONG 18" O.C.
5" THICK SLAB 1/2"X12" LONG 18" O.C.
6" THICK SLAB 3/4"X18" LONG 18" O.C.
8" THICK SLAB 3/4"X18" LONG 18" O.C.
 16. ENGINEER TO APPROVE SUBGRADES PRIOR TO SLAB INSTALLATION.
 17. CONTROL JOINTS AROUND ALL SLAB PENETRATIONS SHOULD BE SAWCUT THE FULL DEPTH OF THE SLAB OR BE DONE AS A CONSTRUCTION JOINT (POURED SEPARATELY).
 18. ALL JOINTS SHALL BE FILLED AND SEALED.



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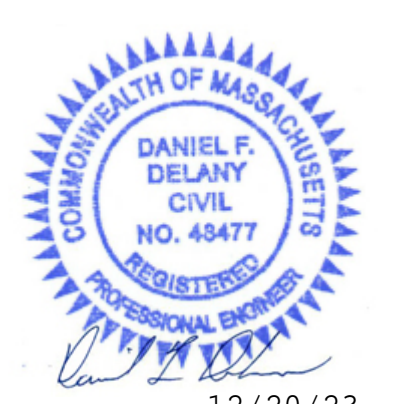
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CONSTRUCTION DETAILS
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C6.0

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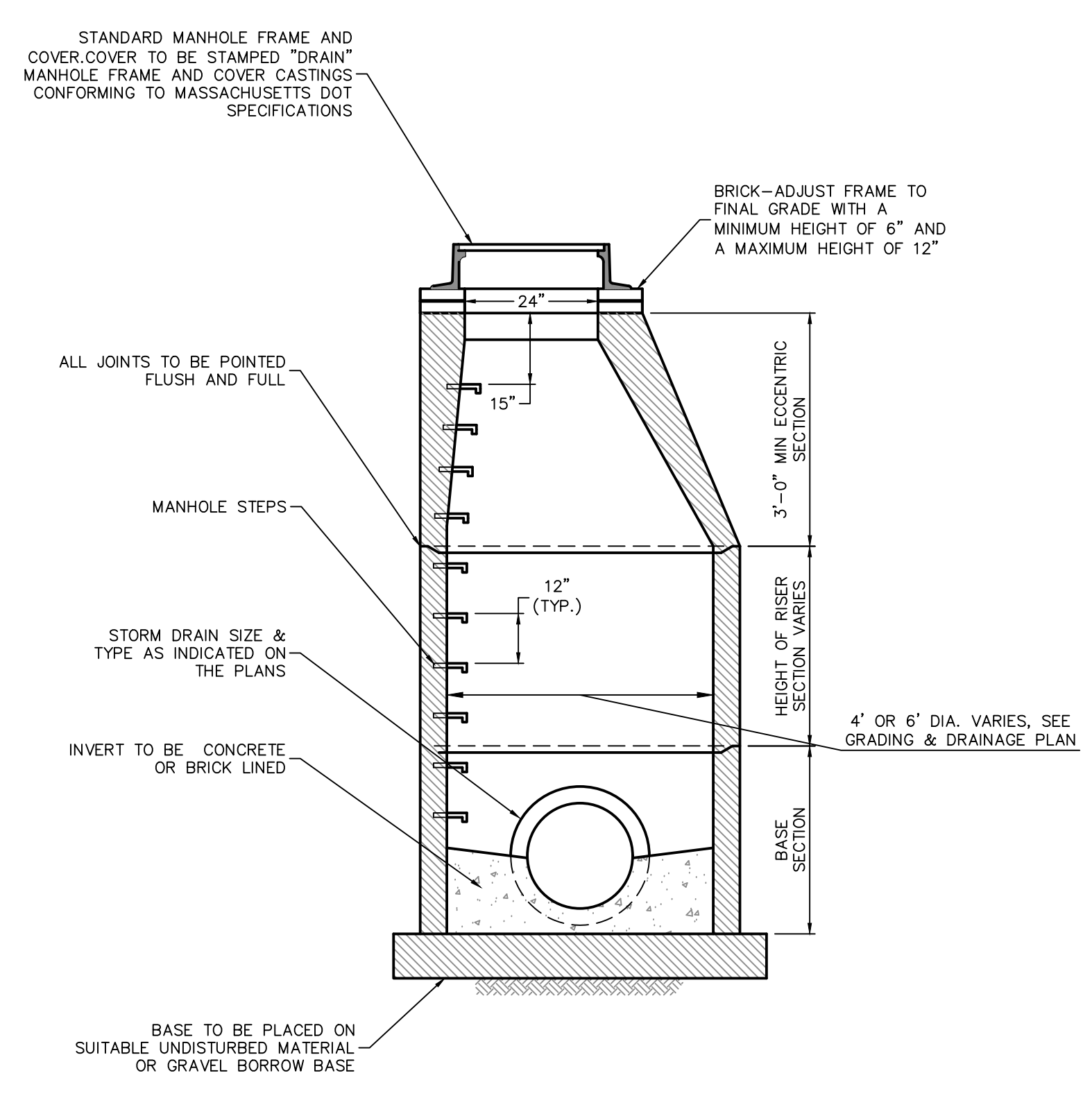
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DD SET	12.11.2023

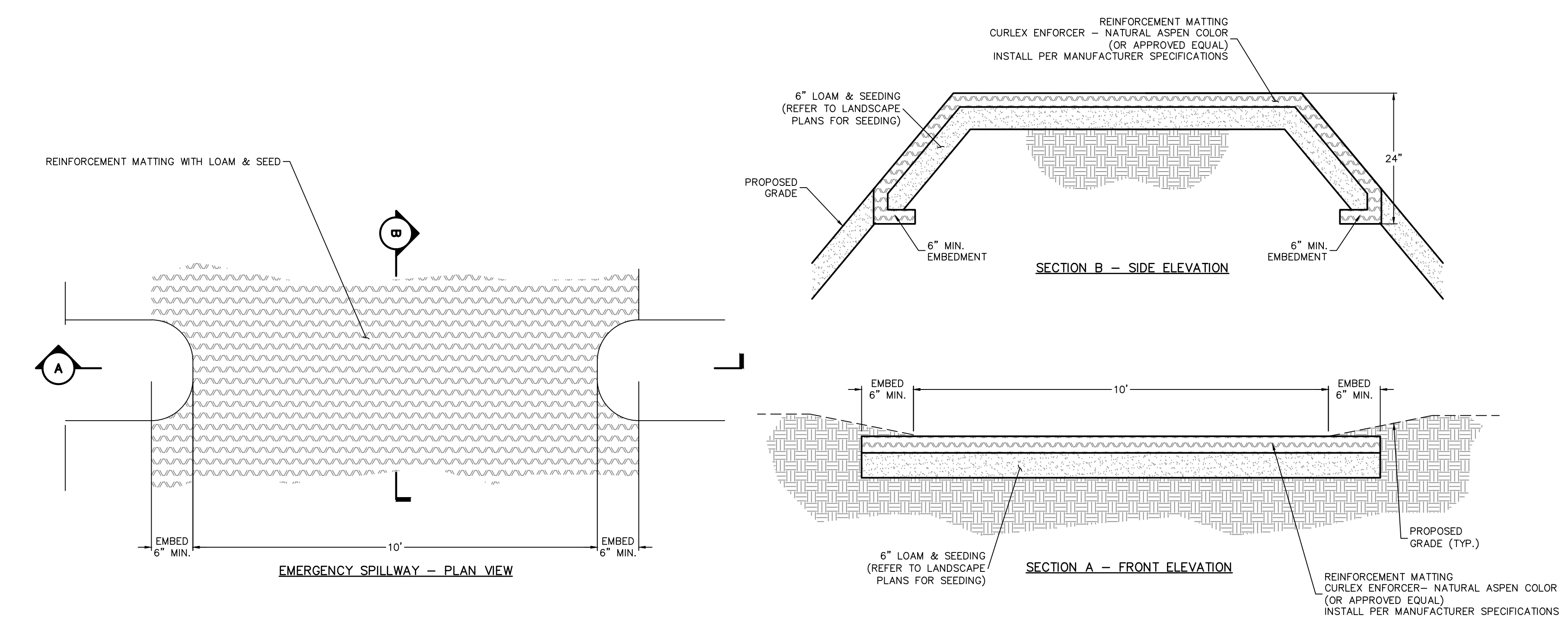
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Project No.:	20231101A10

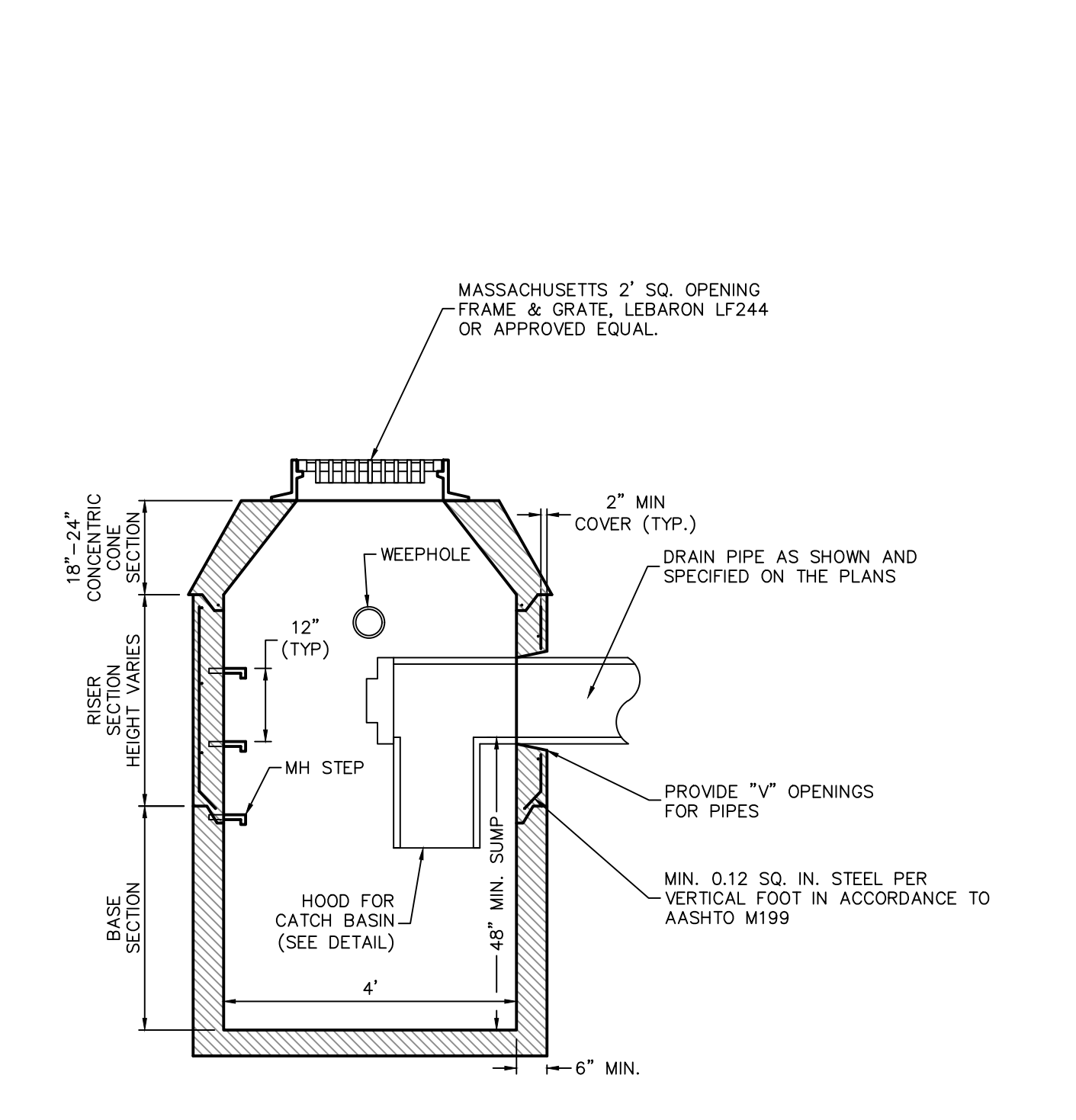
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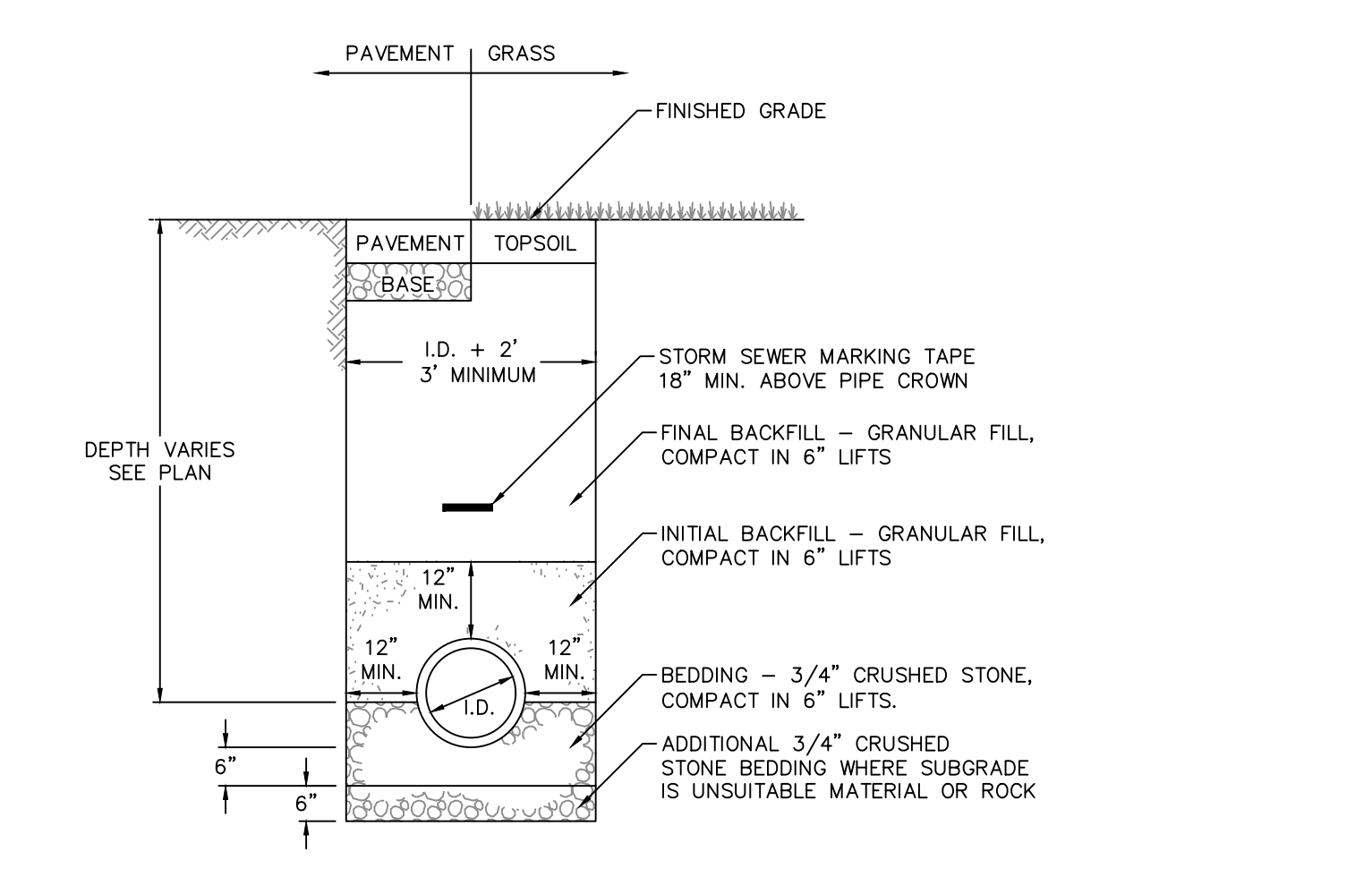
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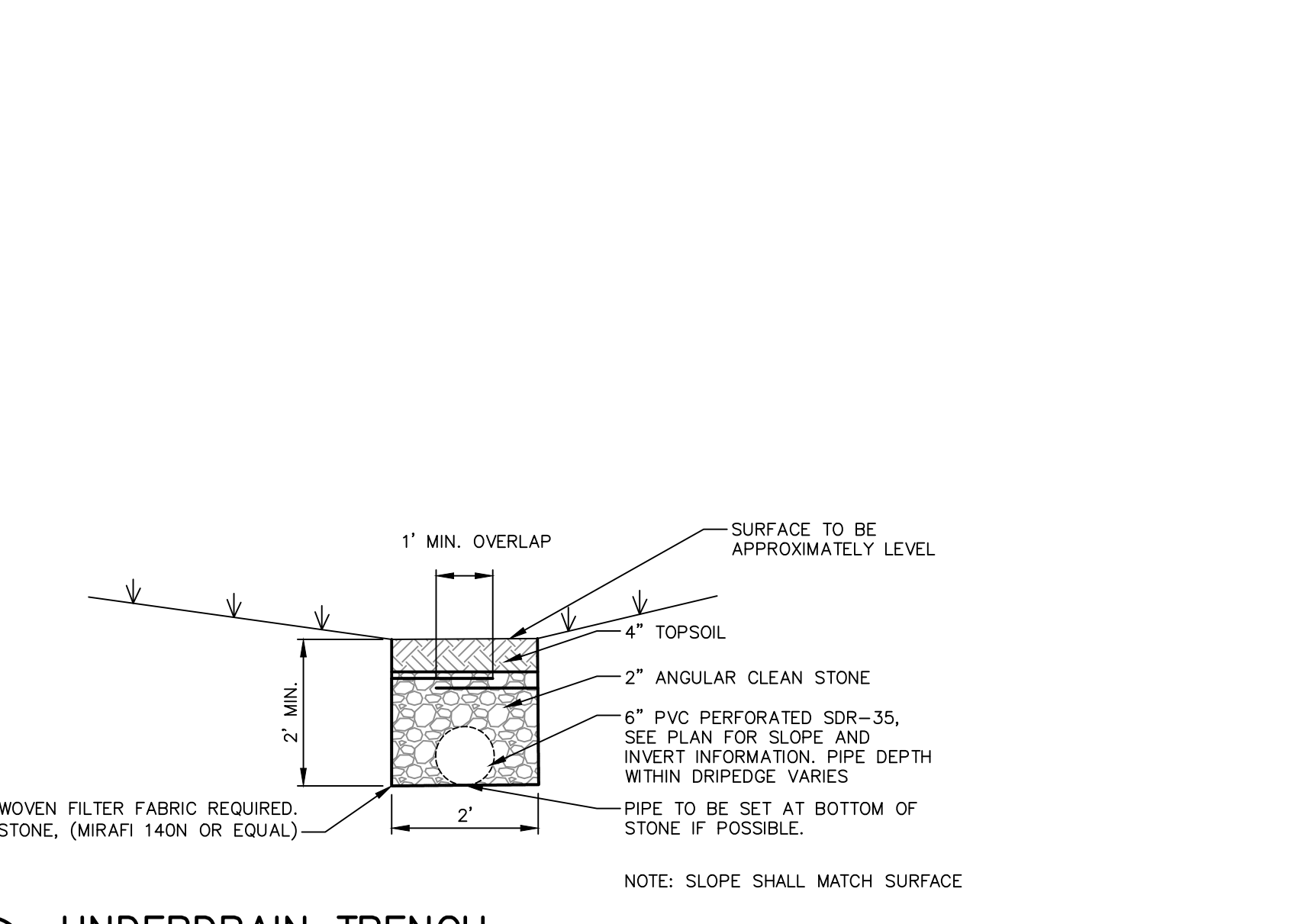
2 EMERGENCY SPILLWAY WITH REINFORCEMENT MATTING
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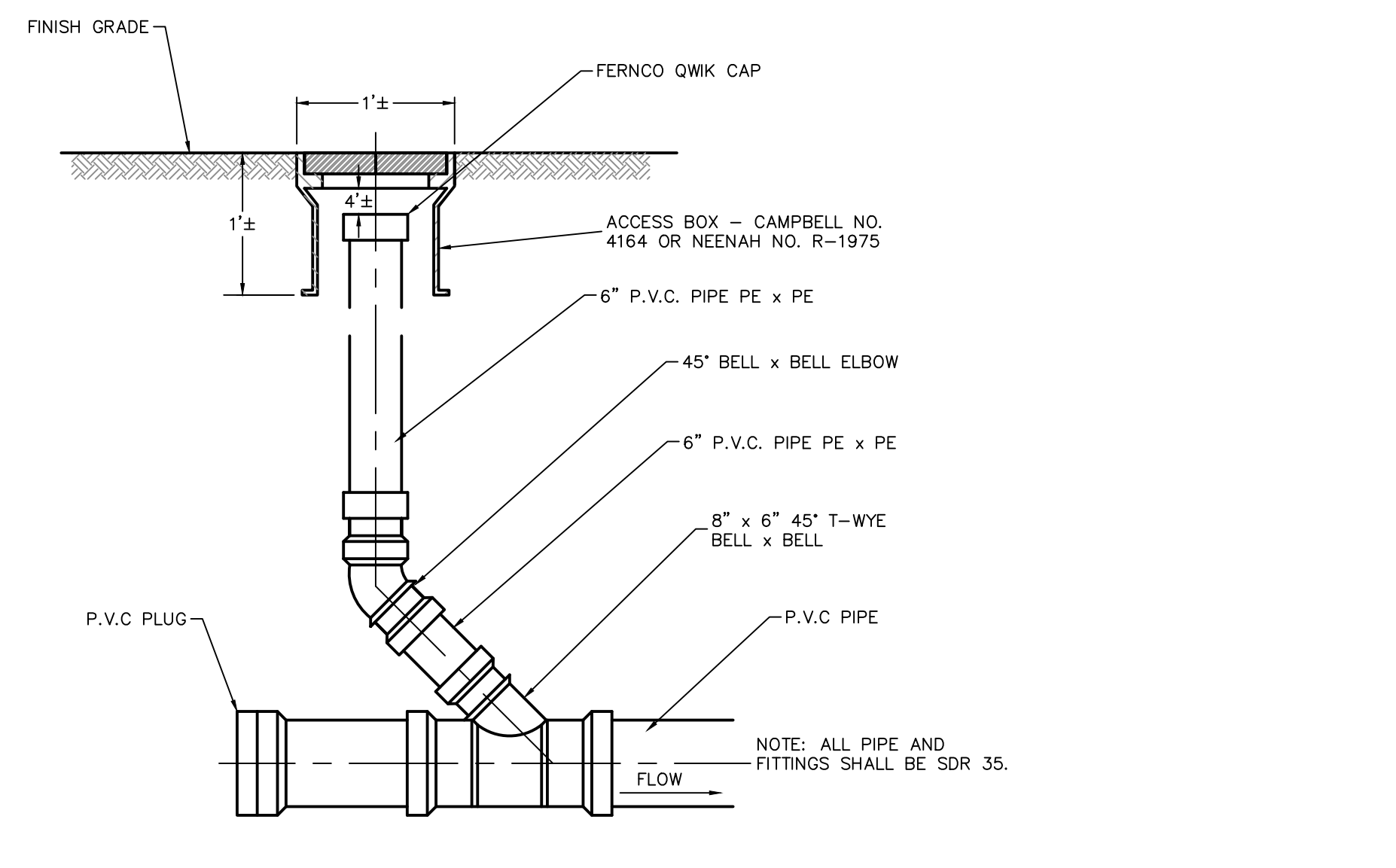
3 PRECAST CONCRETE CATCH BASIN
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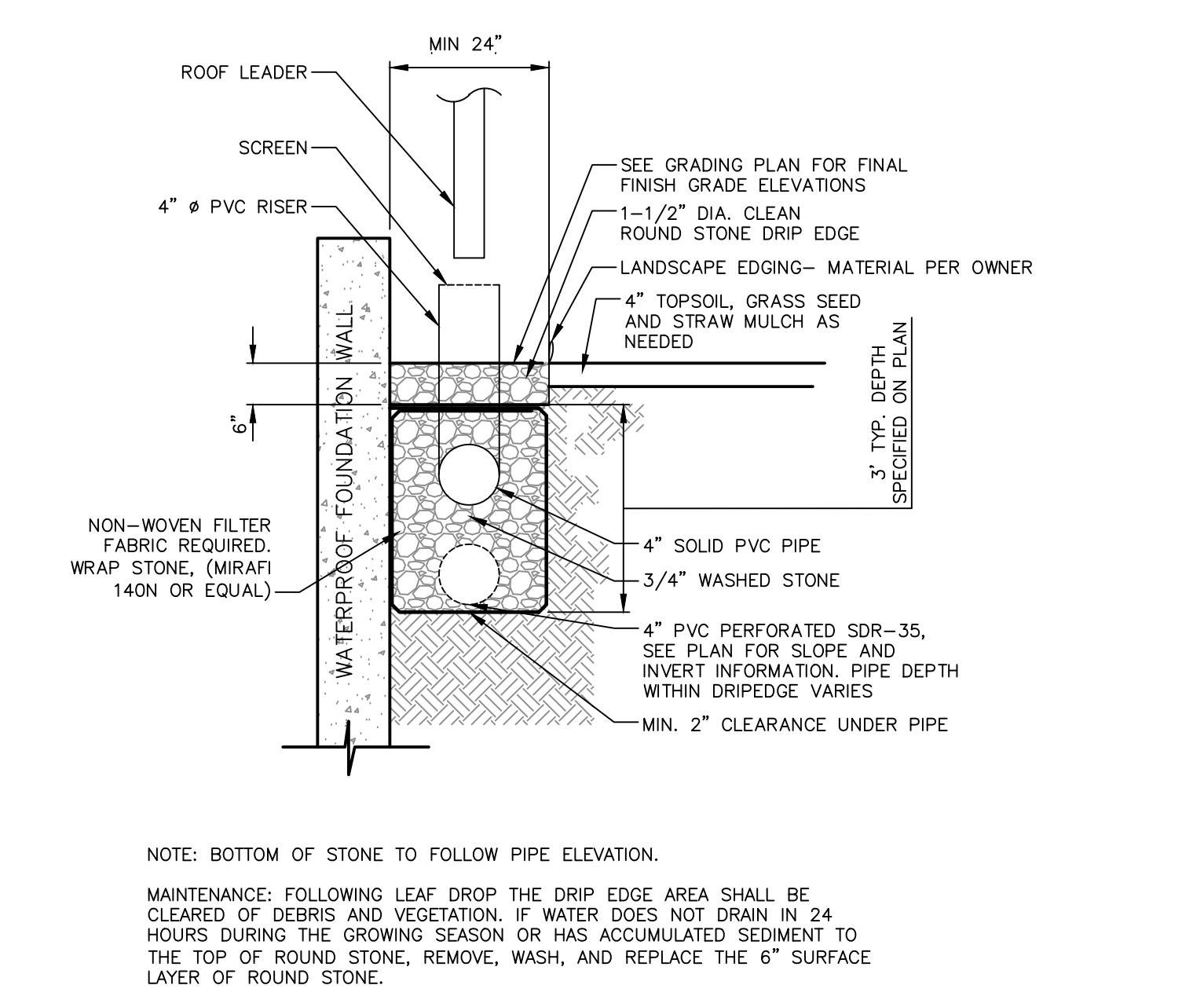
4 STORMWATER DRAINAGE TRENCH
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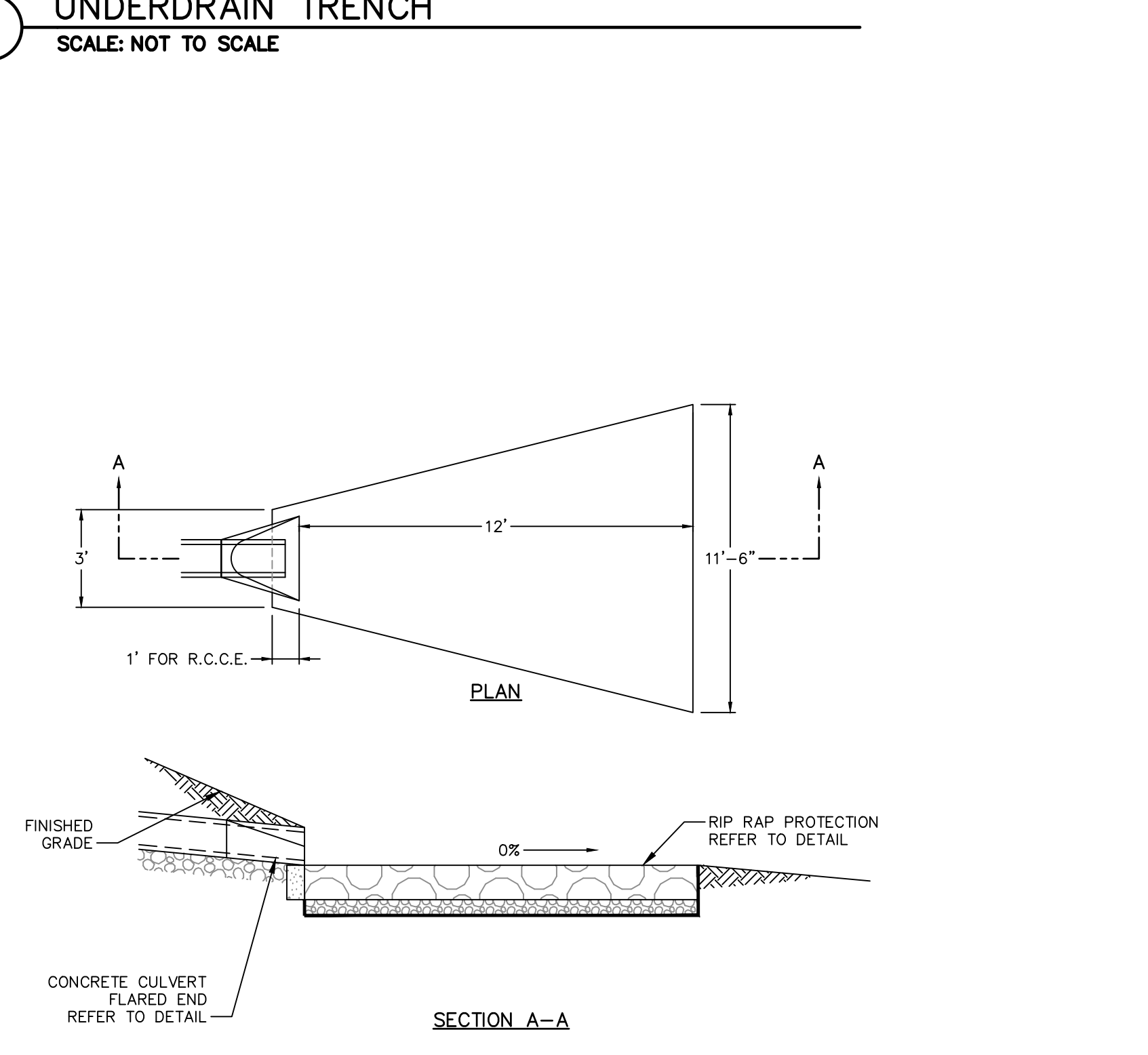
5 UNDERDRAIN TRENCH
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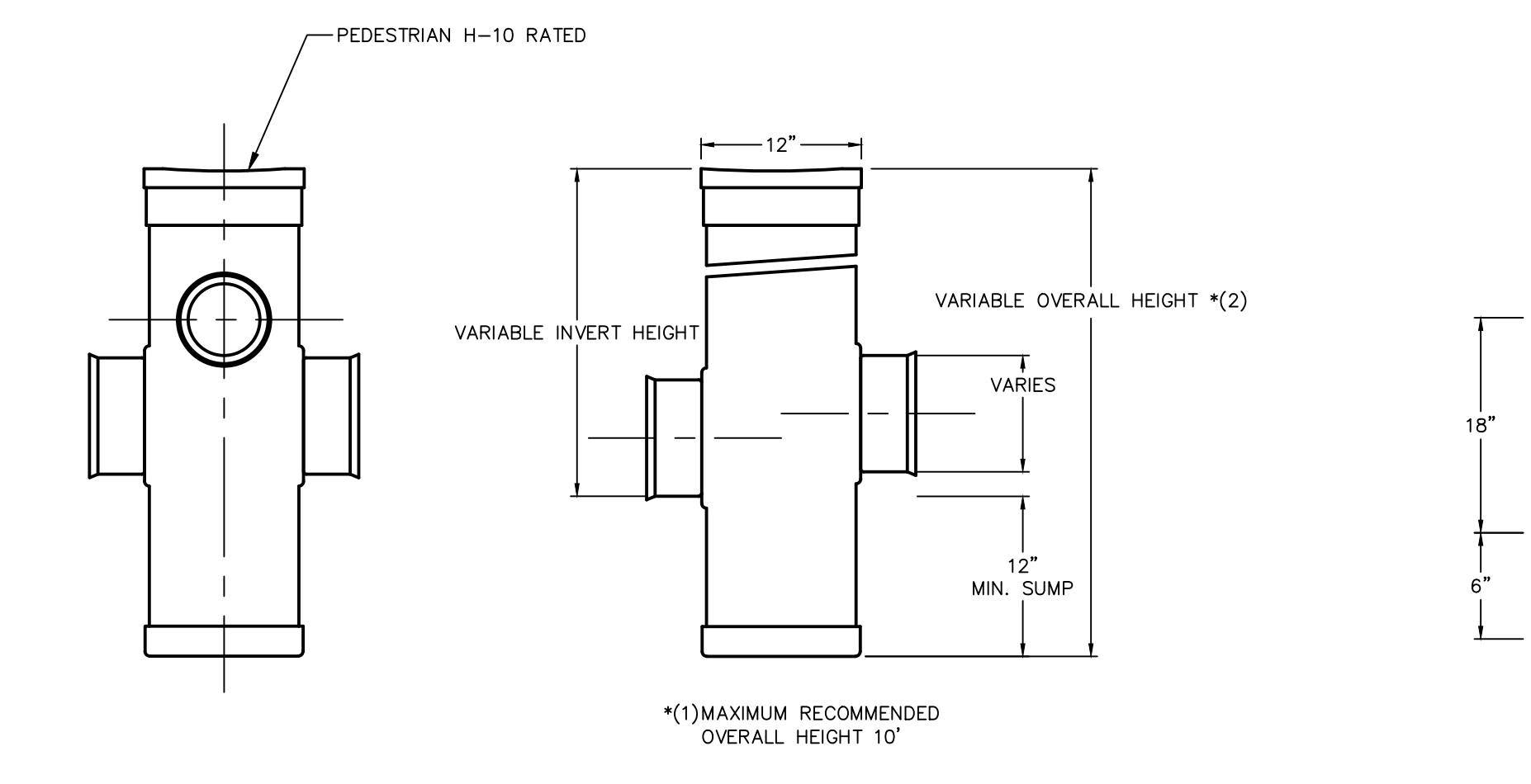
6 TERMINAL CLEAN-OUT
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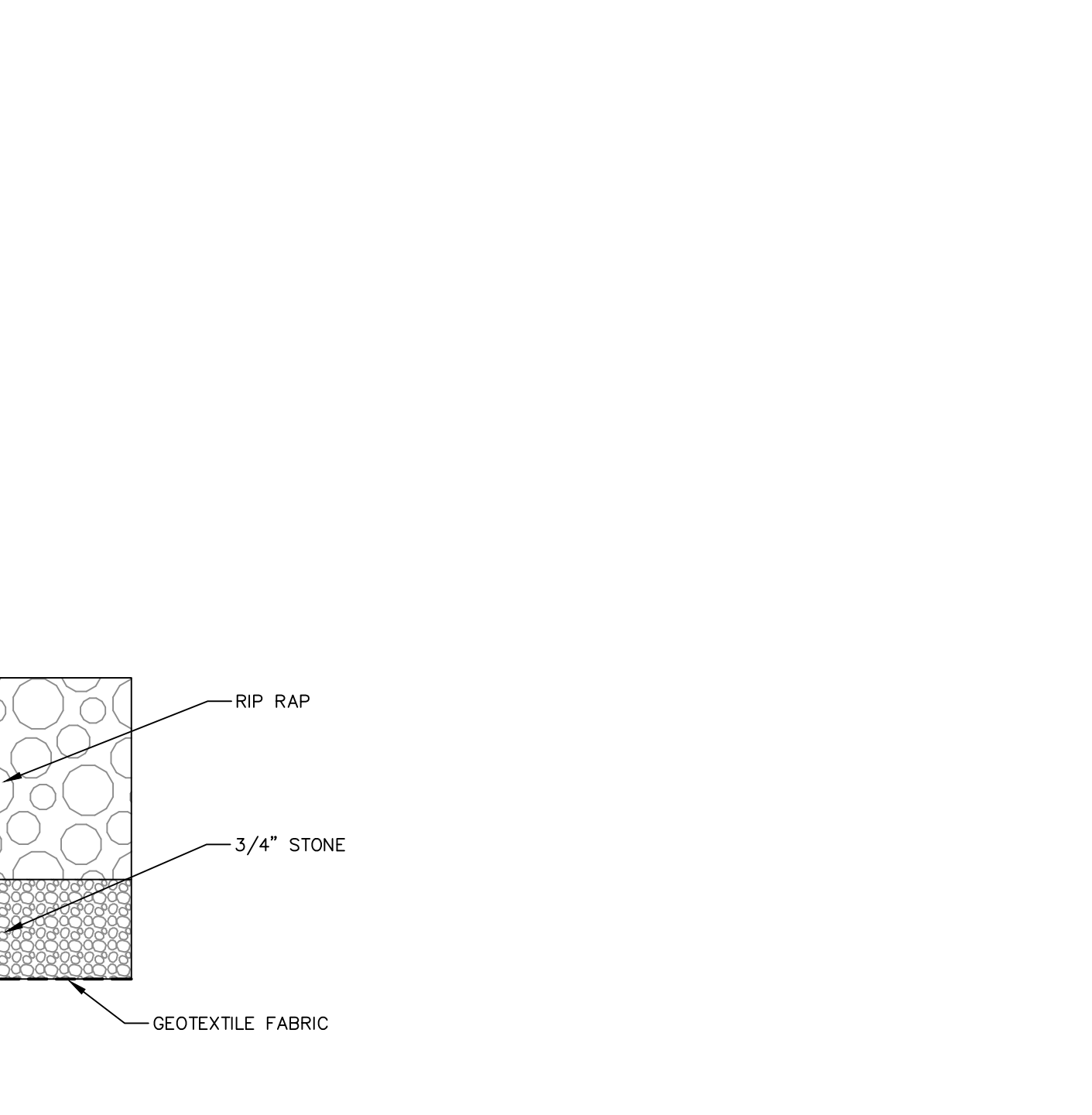
7 STONE DRIP EDGE AND ROOF LEADER TIE-IN
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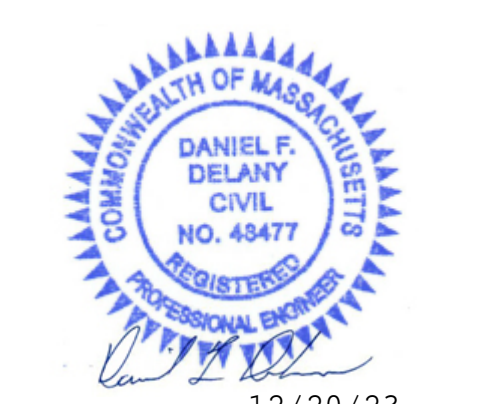
8 CONCRETE FLARED END WITH RIP RAP APRON
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9 12\"/>



10 RIP RAP PROTECTION
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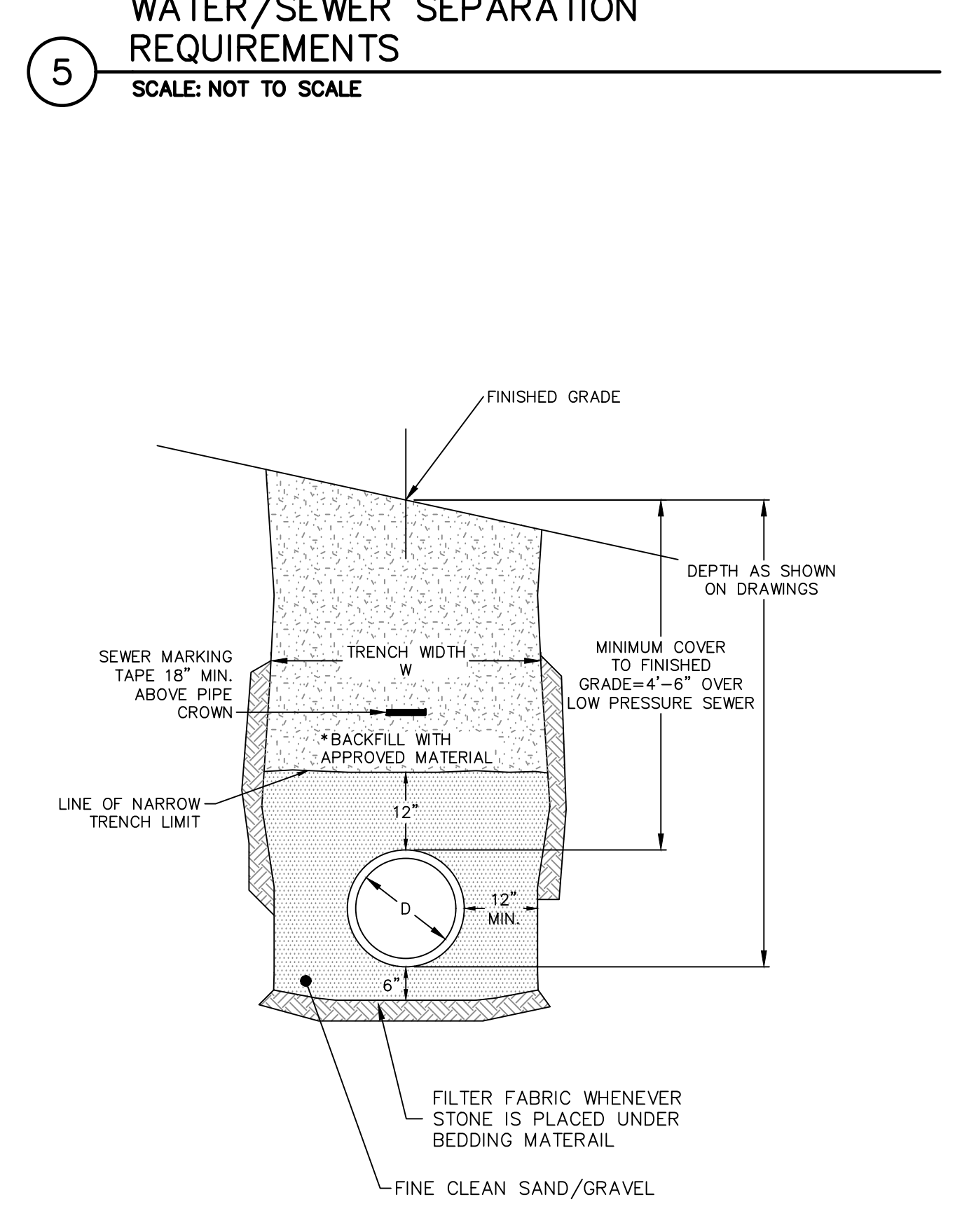
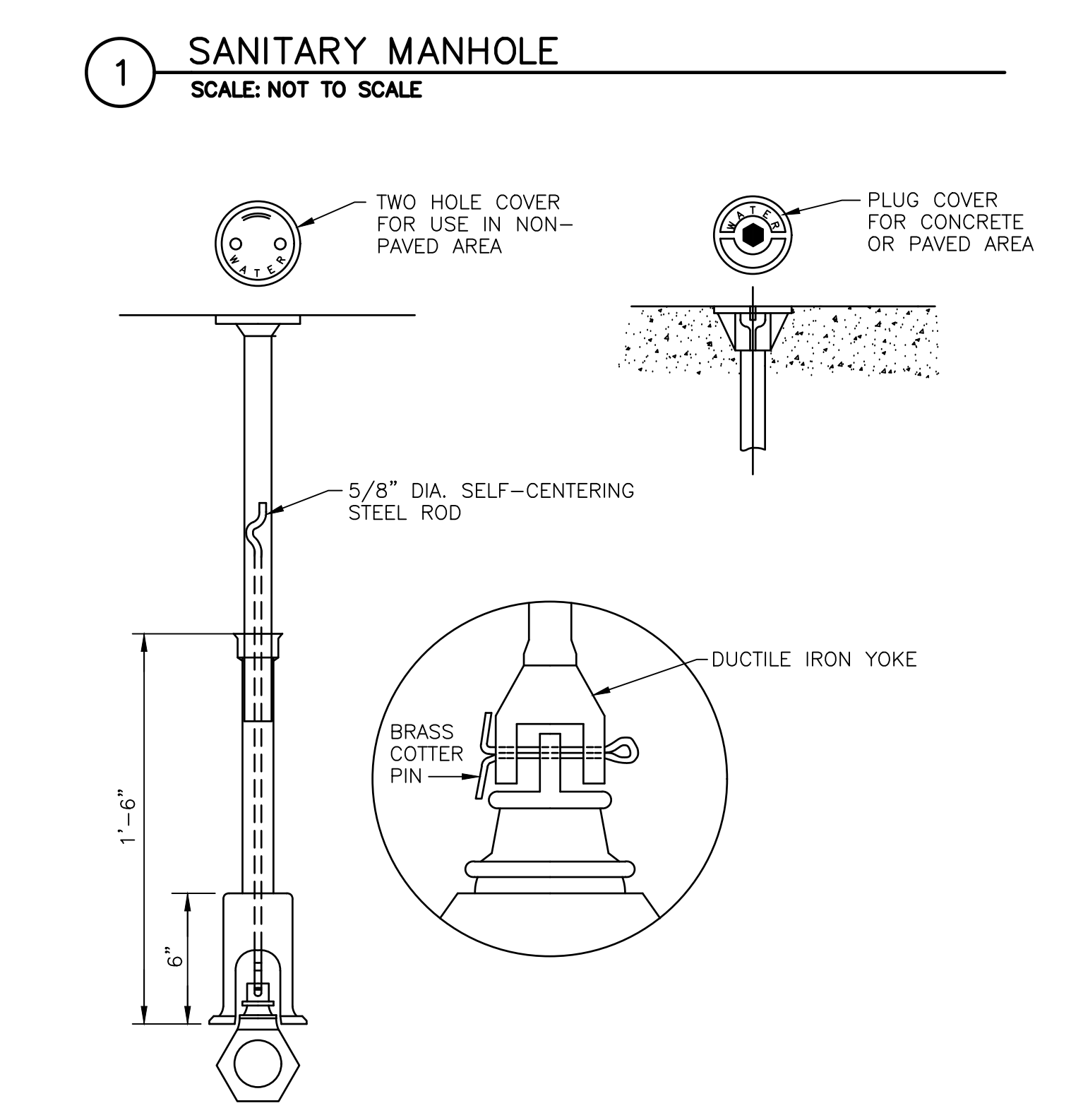
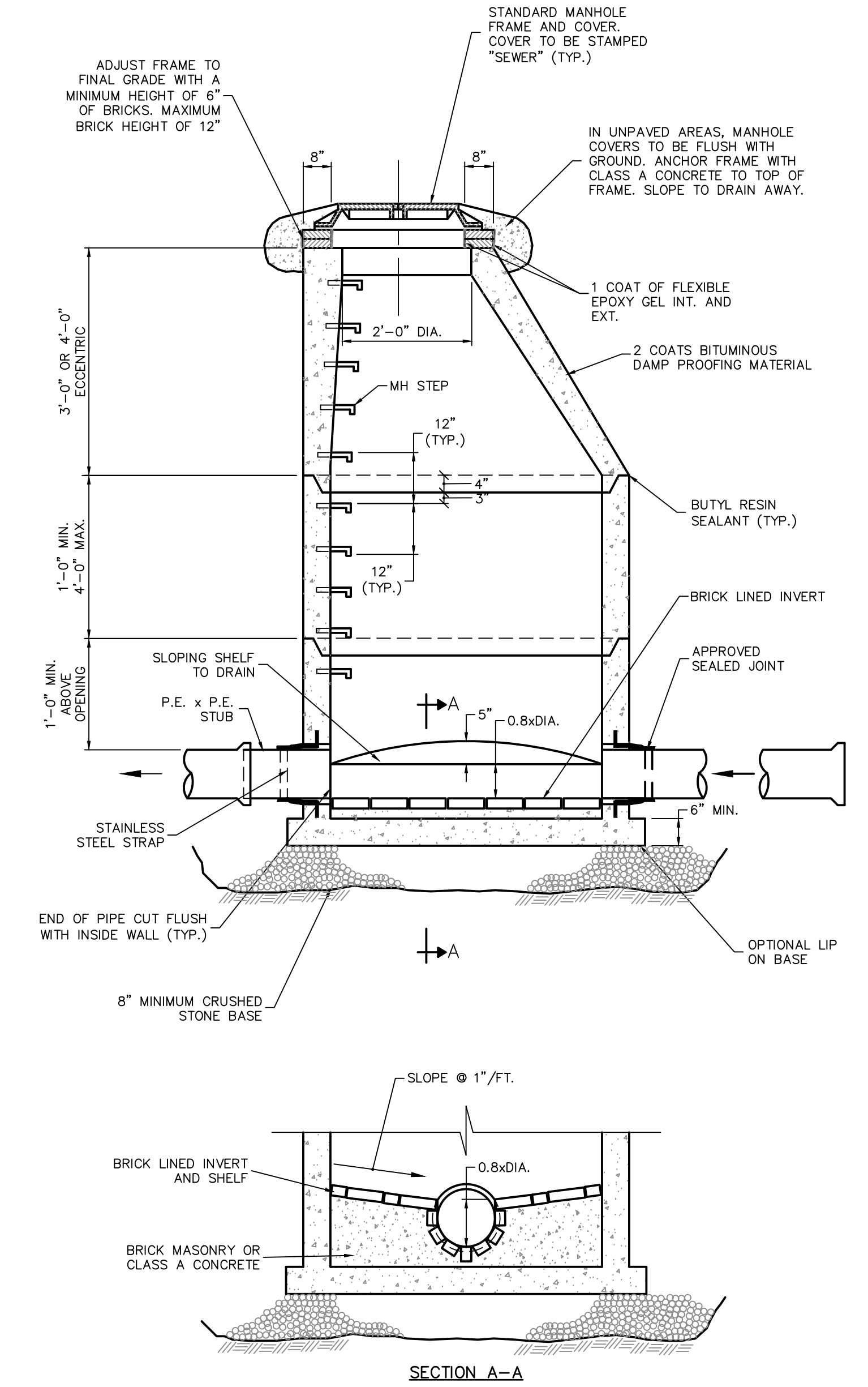
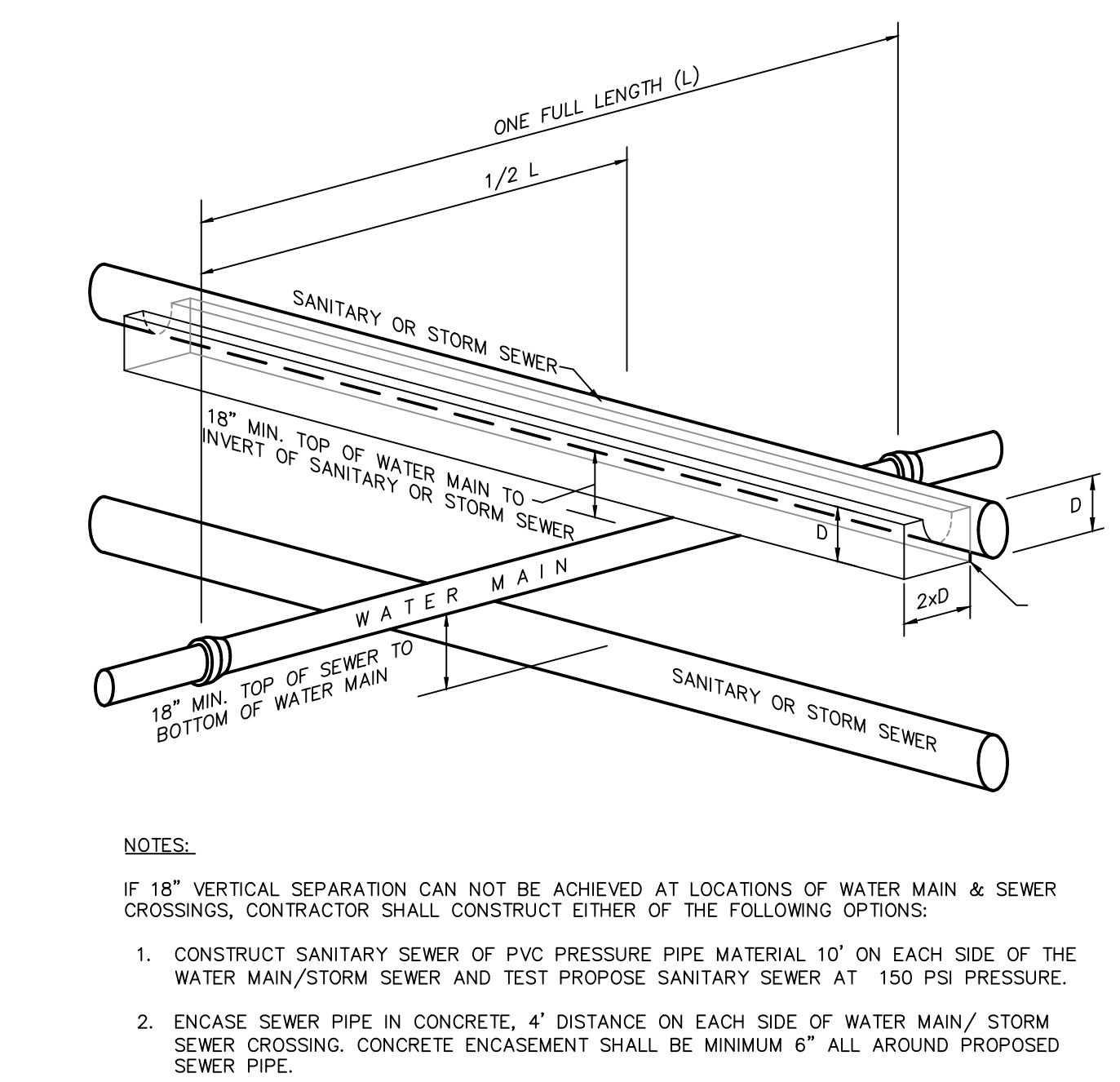
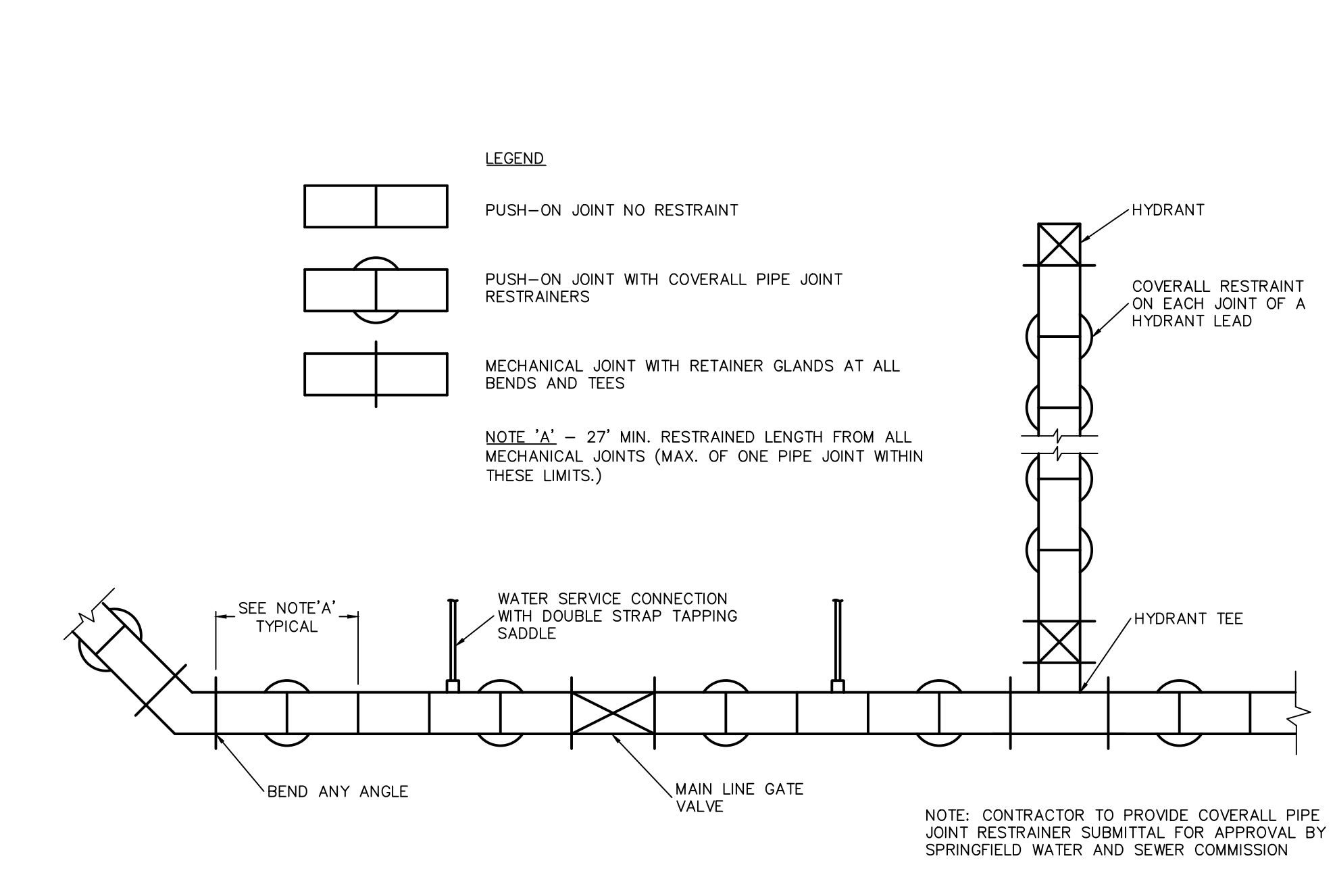
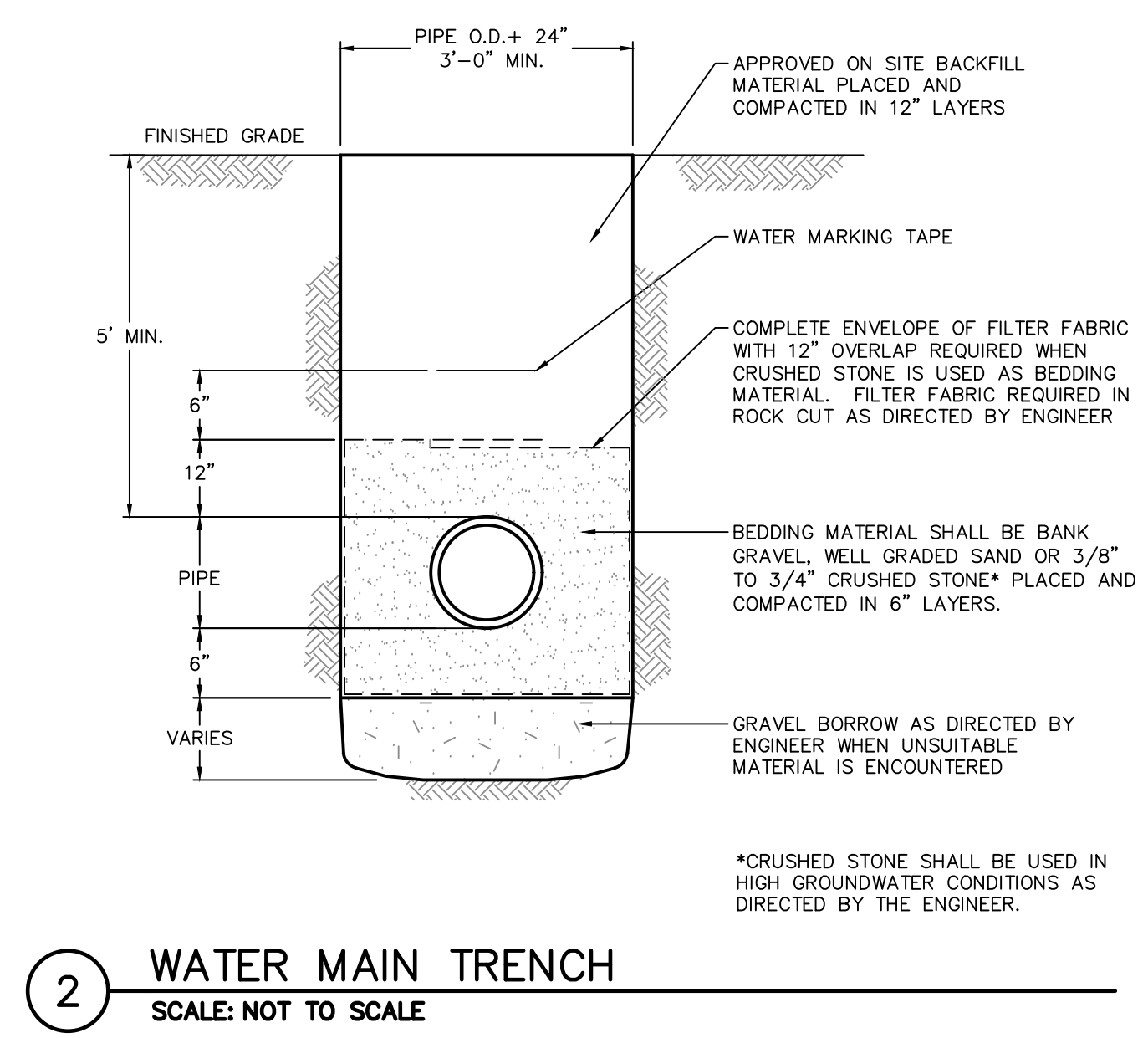
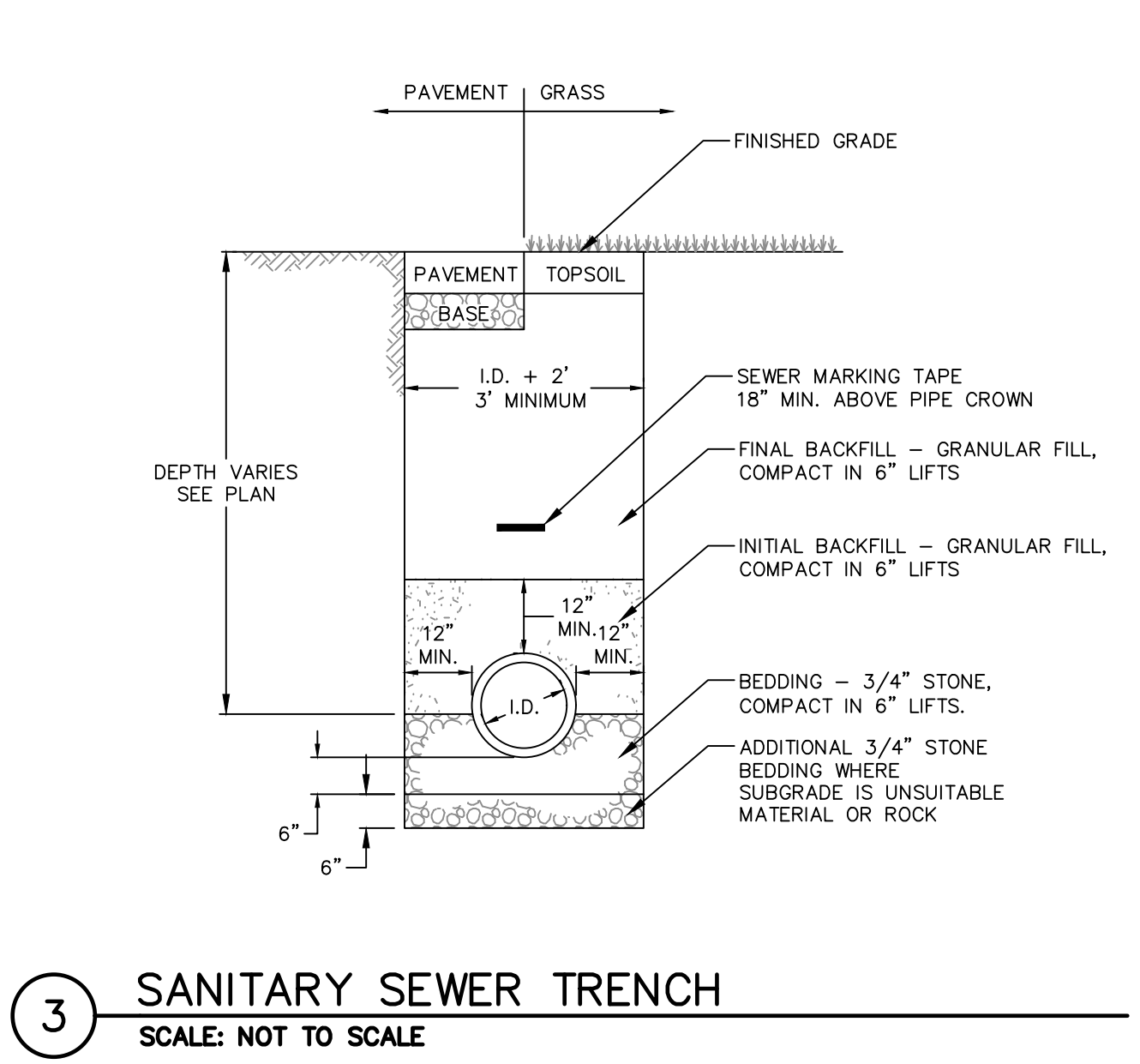
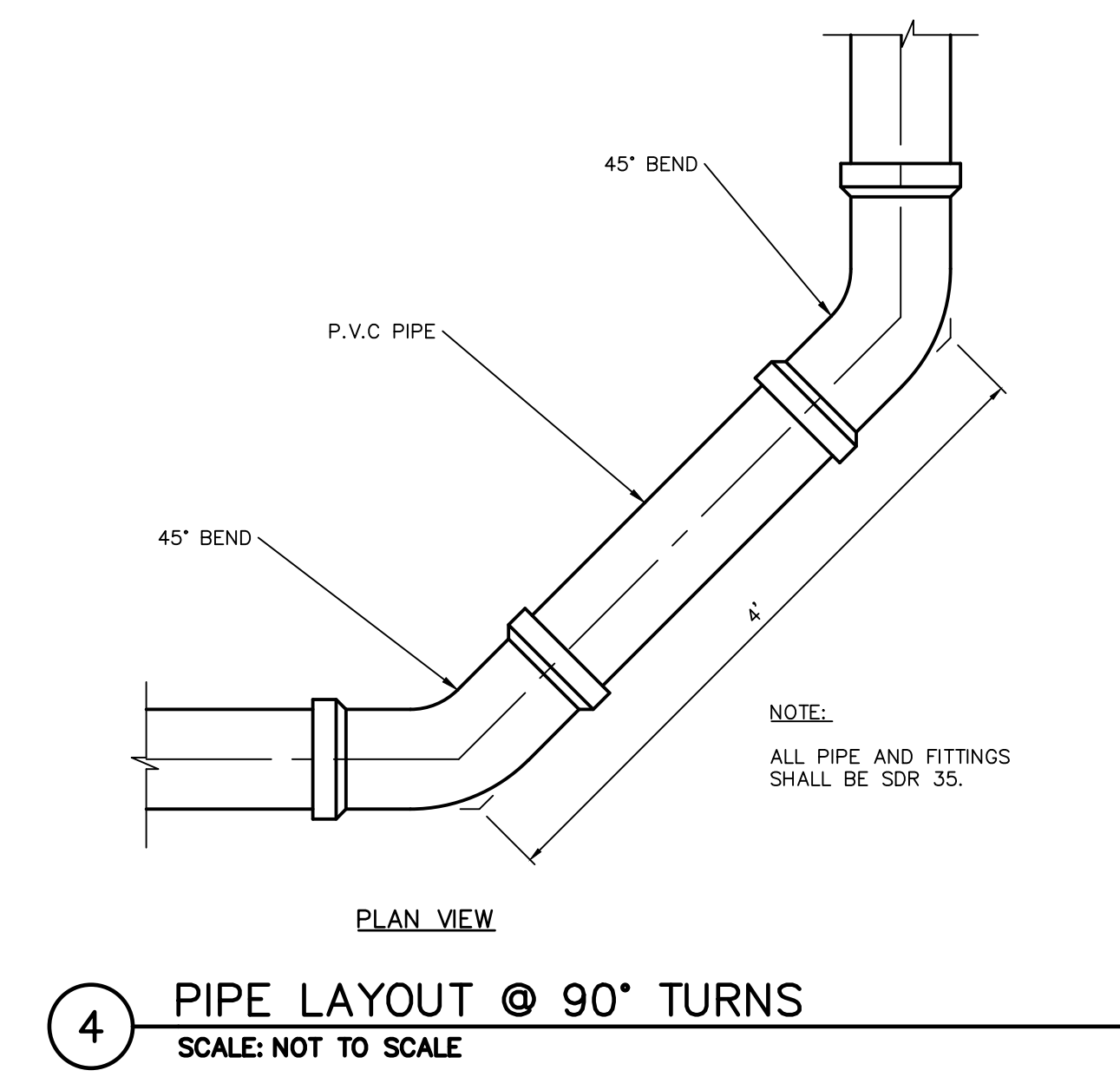
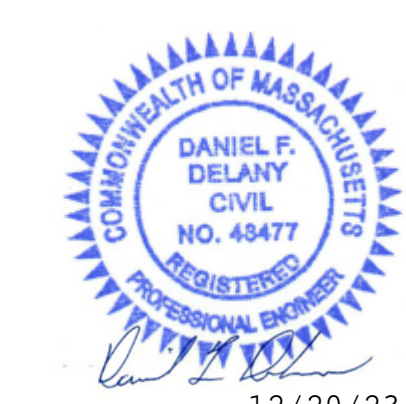
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SD Set	04.20.2023
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CONSTRUCTION DETAILS

Date:	12/11/2023
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PC3 NONE STRUCTB: FO 2008 MONO.CTS



- MATERIALS LEGEND**
- (A) BITUMINOUS CONCRETE PAVING
 - (C) CONCRETE PAVEMENT- PEDESTRIAN
 - (UP) CONCRETE UNIT PAVERS ON CONCRETE BASE- PEDESTRIAN
 - (DC) STABILIZED DECOMPOSED GRANITE
 - (G) GRAVEL PAVEMENT
 - (DM) DETECTABLE WARNING PAVER
 - (FC) FLUSH CURB
 - (TC) RAISED TO FLUSH TRANSITION CURB
 - (RC) RAISED CURB
 - (ME) METAL MAINTENANCE EDGE- 18" WIDTH
 - (PA) PLANTING AREA
 - (M) MEADOW
- SITE FURNISHINGS**
- (ML) CONCRETE SEAT WALL
 - (BB) MONOLITHIC GRANITE BENCH
 - (SB) SITE SALVAGED BOULDER
 - (GB) TIMBER GUARDRAIL - VEHICULAR
 - (ES) STEEL PLATE ENTRY SIGN
 - (BR) BIKE RACK
 - (TR) TRASH RECEPTACLE

- 1 L4.0
- 2 L4.0
- 3 L4.0
- 4 L4.0
- 5 L4.0
- 6 L4.0
- 7 L4.0
- 8 L4.0
- 9 L4.0
- 10 L4.0
- 11 L4.0
- 12 L4.0
- 13 L4.0
- 14 L4.0
- 15 L4.0
- 16 L4.0

SEE PLANTING PLAN, L3.0

SEE PLANTING PLAN, L3.0




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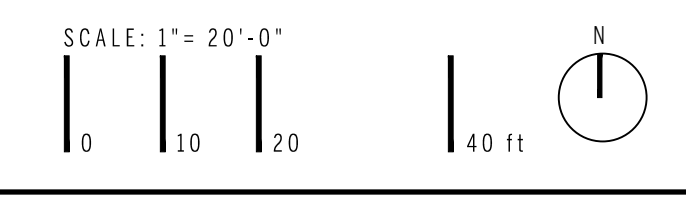
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Sheet Title:
LAYOUT AND MATERIALS PLAN

Date: 12/11/2023
Scale: LD
Drawn: GT, GL
Checked: 2304
Project No:

L2.0



CONCEPT_PLANT_SCHEDULE

NEW ENGLAND WILDFLOWER SEED MIX- 36,572 sf
 Asclepias tuberosa / Butterfly Milkweed
 Elymus canadensis / Canada Wild Rye
 Elymus virginicus / Virginia Wild Rye
 Eupatorium fistulosum / Hollow Joe Pye Weed
 Festuca rubra / Red Fescue
 Sorghastrum nutans / Indian Grass

NEW ENGLAND RESTORATION SEED MIX- 8,114 sf
 Agrostis perennans / Autumn Benigrass
 Andropogon gerardi / Big Bluestem
 Aster novae-angliae / New England Aster
 Bidens cernua / Nodding Beggartick
 Elymus riparius / Riverbank Rye
 Eupatorium fistulosum / Hollow Joe Pye Weed
 Eupatorium perfoliatum / Common Boneset
 Festuca rubra / Red Fescue
 Juncus effusus / Soft Rush
 Panicum virgatum / Switch Grass
 Schizachyrium scoparium / Little Bluestem
 Scirpus cyperinus / Wood Grass
 Verbena hastata / Blue Vervain

NEW ENGLAND NATIVE WARM SEASON GRASS SEED MIX- 6,924 sf
 Andropogon gerardi / Big Bluestem
 Andropogon scoparius / Little Bluestem
 Elymus virginicus / Virginia Wild Rye
 Festuca rubra / Red Fescue
 Panicum virgatum / Switch Grass
 Sorghastrum nutans / Indian Grass

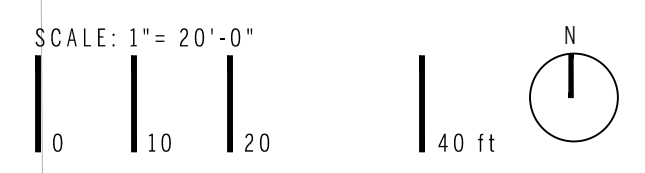
WOODLAND MIX- 1,007 sf
 Anemone canadensis / Canadian Anemone
 Dennstaedia punctiloba / Hayscented Fern
 Polystichum acrostichoides / Christmas Fern

NATIVE HERBACEOUS PERENNIAL MIX- 2,719 sf
 Agastache pallidiflora / Giant Hyssop
 Echinacea purpurea / Coneflower
 Eupatorium maculatum / Joe Pye Weed
 Monarda didyma / Bee Balm
 Symphyotrichum puniceum / Swamp Aster

CODE	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	QTY	REMARKS
TREES						
AR	Acer rubrum / Red Maple	B & B	2.5"-3" Cal		12	
AS2	Amenanchier alnifolia / Serviceberry	B & B		5'-6" H	9	
BW	Betula populifolia 'Whitespire' / Whitespire Gray Birch	B & B	2.5"-3" Cal		3	
CM	Cornus mas / Cornelian Cherry	B & B		5'-6" H	2	
HV	Hamamelis virginiana / Common Witch Hazel	B & B		5'-6" H	7	
NS	Nyssa sylvatica / Tupelo	B & B	2.5"-3" Cal		7	
OA	Oxydendrum arboreum / Sourwood Tree	B & B	2.5"-3" Cal		3	
PG	Picea glauca / White Spruce	8-10' HT.	2.5"-3" Cal		3	
QB	Quercus bicolor / Swamp White Oak	B & B	2.5"-3" Cal		5	
SB2	Salix nigra / Black Willow	B & B	2.5"-3" Cal		2	
SA	Sassafras albidum / Sassafras	B & B	2.5"-3" Cal		8	
TC	Tsuga canadensis / Eastern Hemlock	8-10' HT.	2.5"-3" Cal		4	
SHRUBS						
CI	Celastrus occidentalis / Buttonbush	B & B			22	
CA	Clethra alnifolia / Summersweet Clethra	B & B	5'-6" H		15	
HP	Hydrangea paniculata / Panicle Hydrangea	B & B			11	
IV	Ilex verticillata 'Red Sprite' / Red Sprite Winterberry	B & B	3" H		24	1 MALE TO 4 FEMALE
LB	Lindera benzoin / Spicebush	B & B			19	
RM	Rhododendron maximum / Rosebay Rhododendron	B & B	5'-6" H		9	

SYMBOLS LEGEND

* EXISTING TREE TO REMAIN






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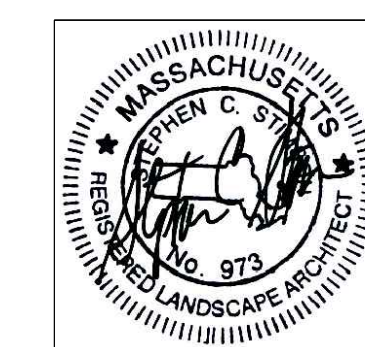
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PLANTING PLAN

Date:	07/11/2023
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Project No:	2304

L3.0



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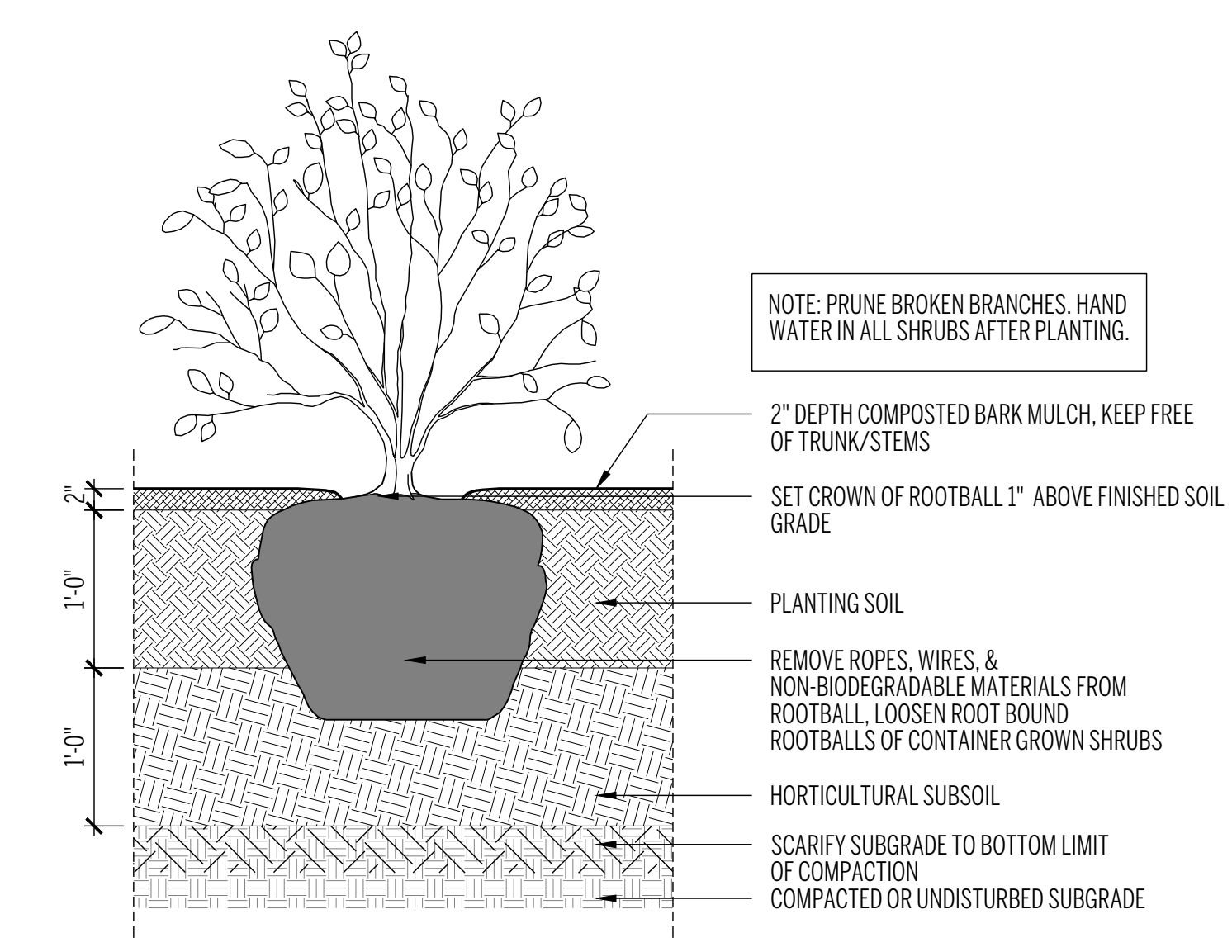
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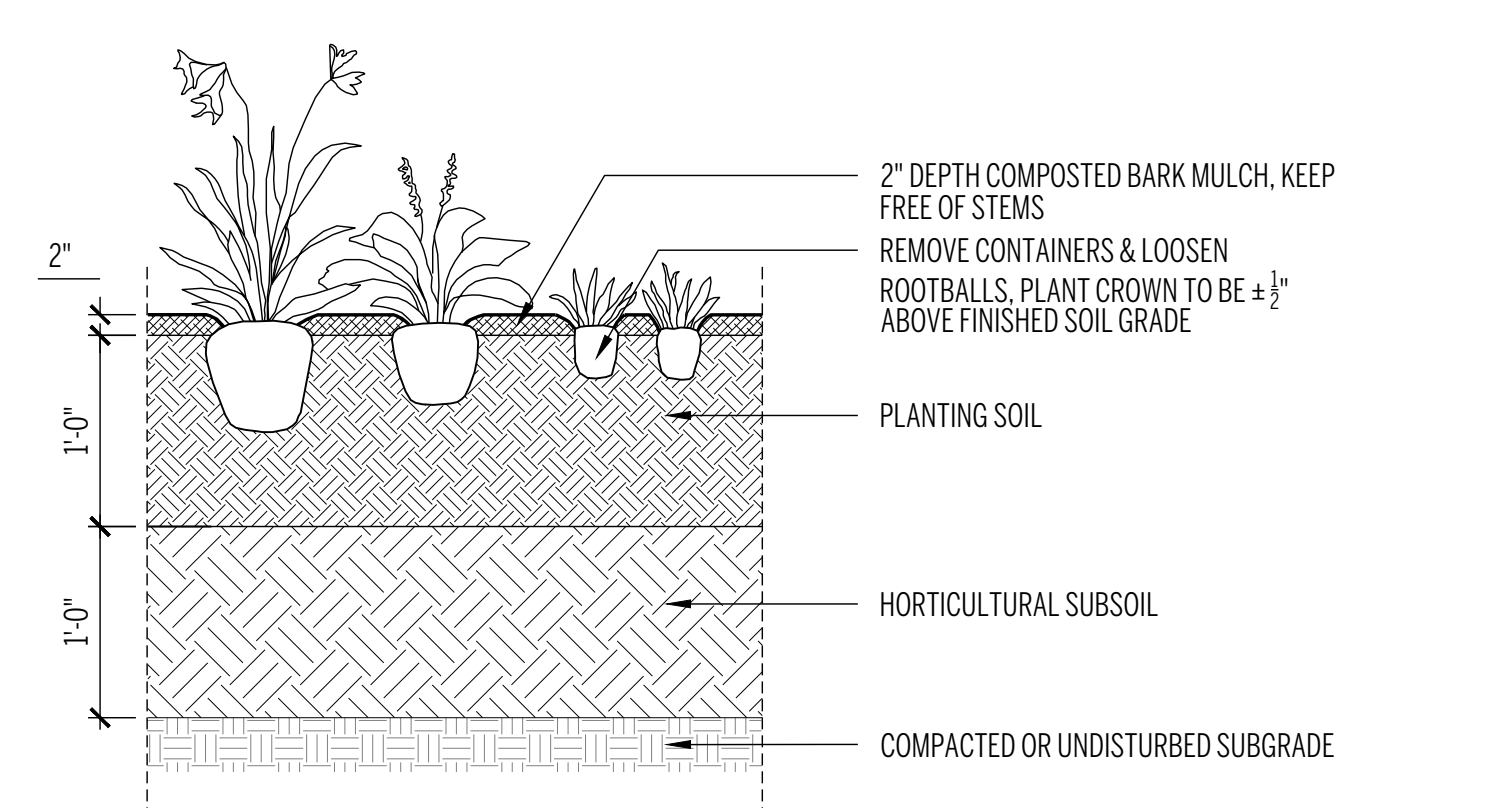
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Date:	12/13/2023	LD	GT	2304
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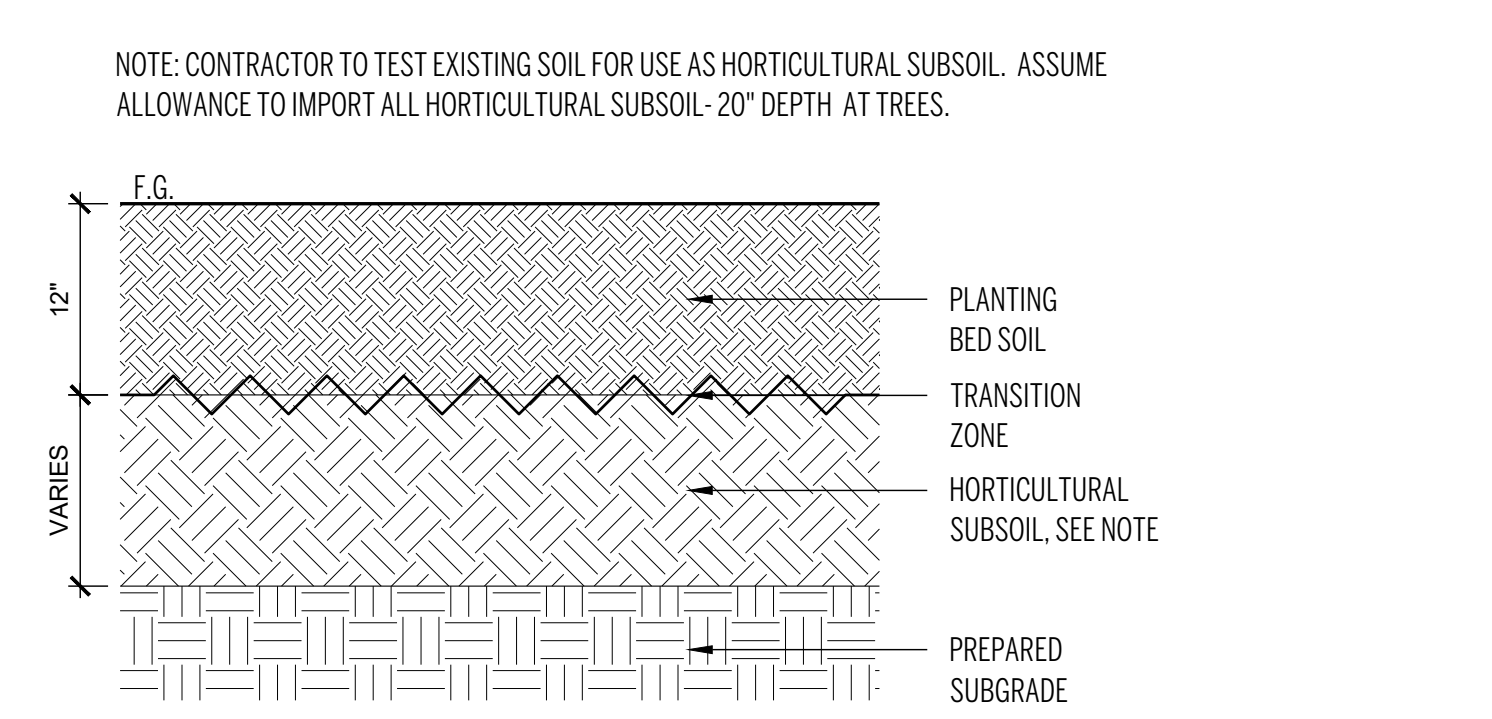
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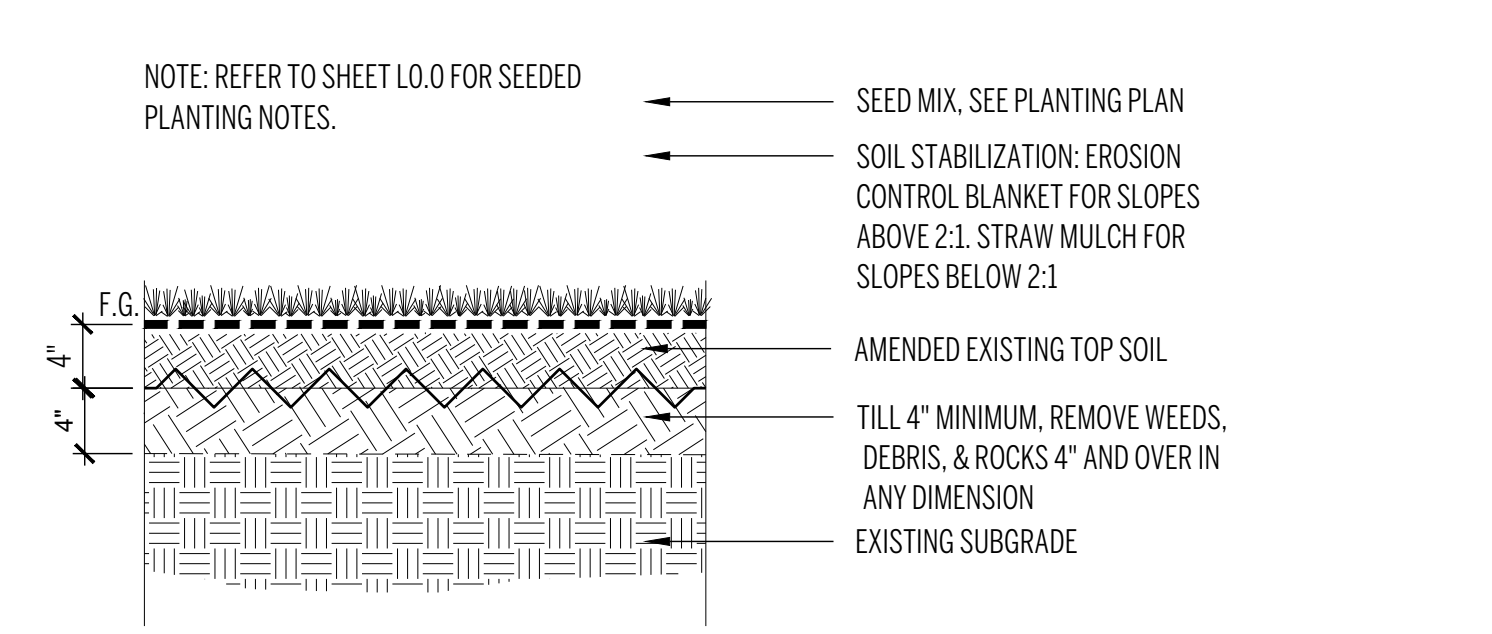
5 SHRUB PLANTING
 1"=1'-0"



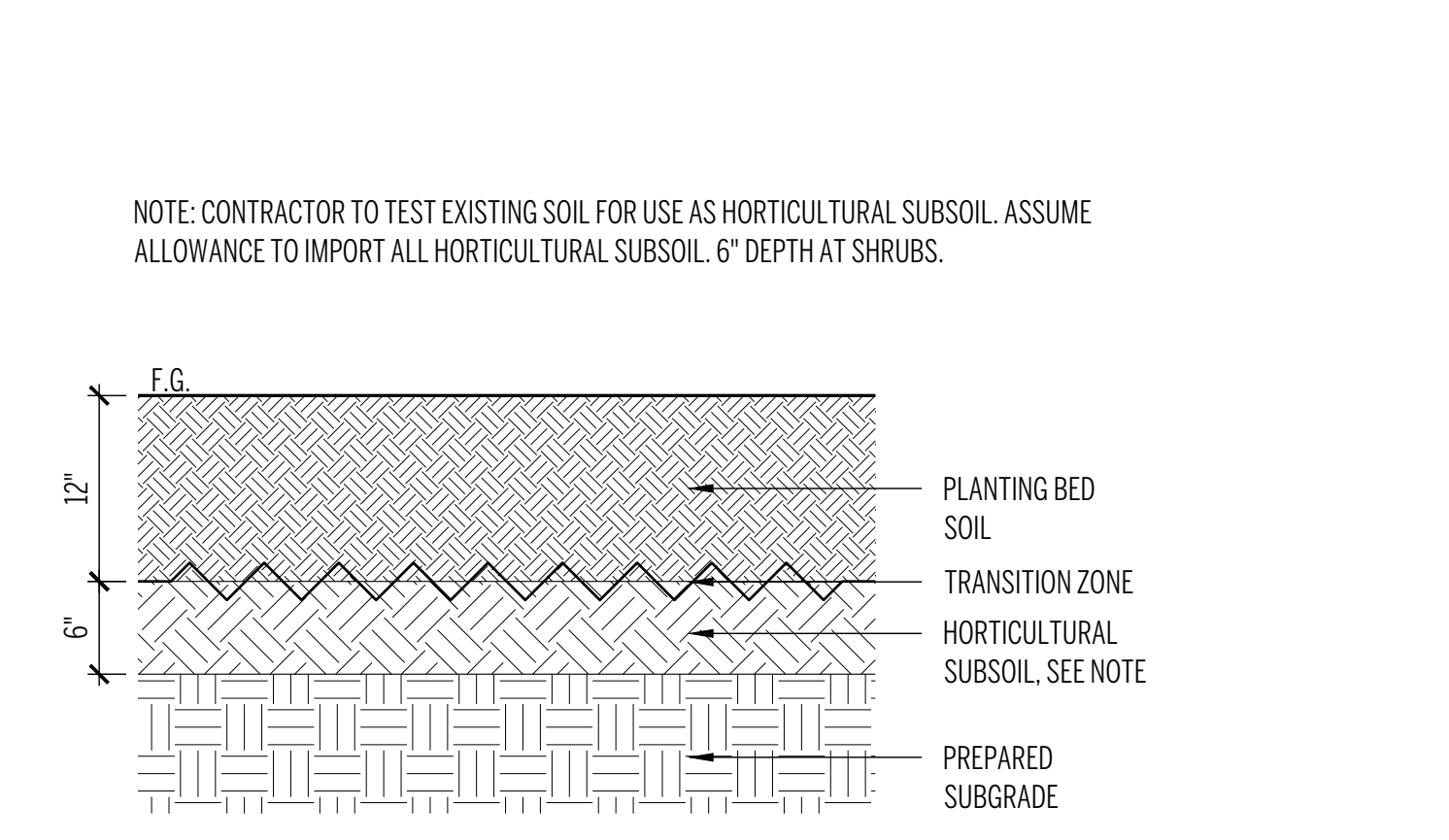
4 PERENNIAL AND GROUNDCOVER PLANTING
 1"=1'-0"



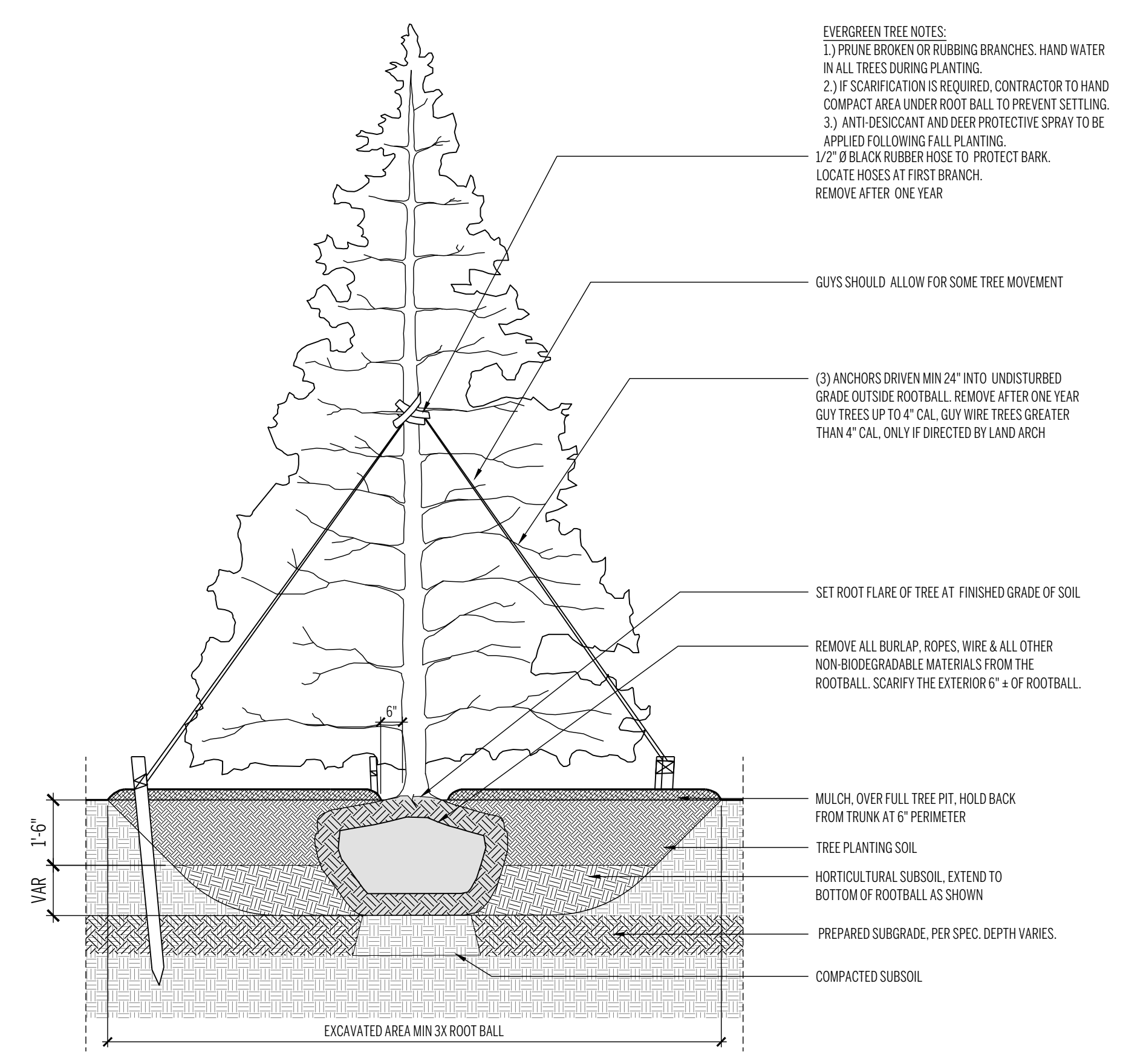
3 TREE SOIL PROFILE
 1"=1'-0"



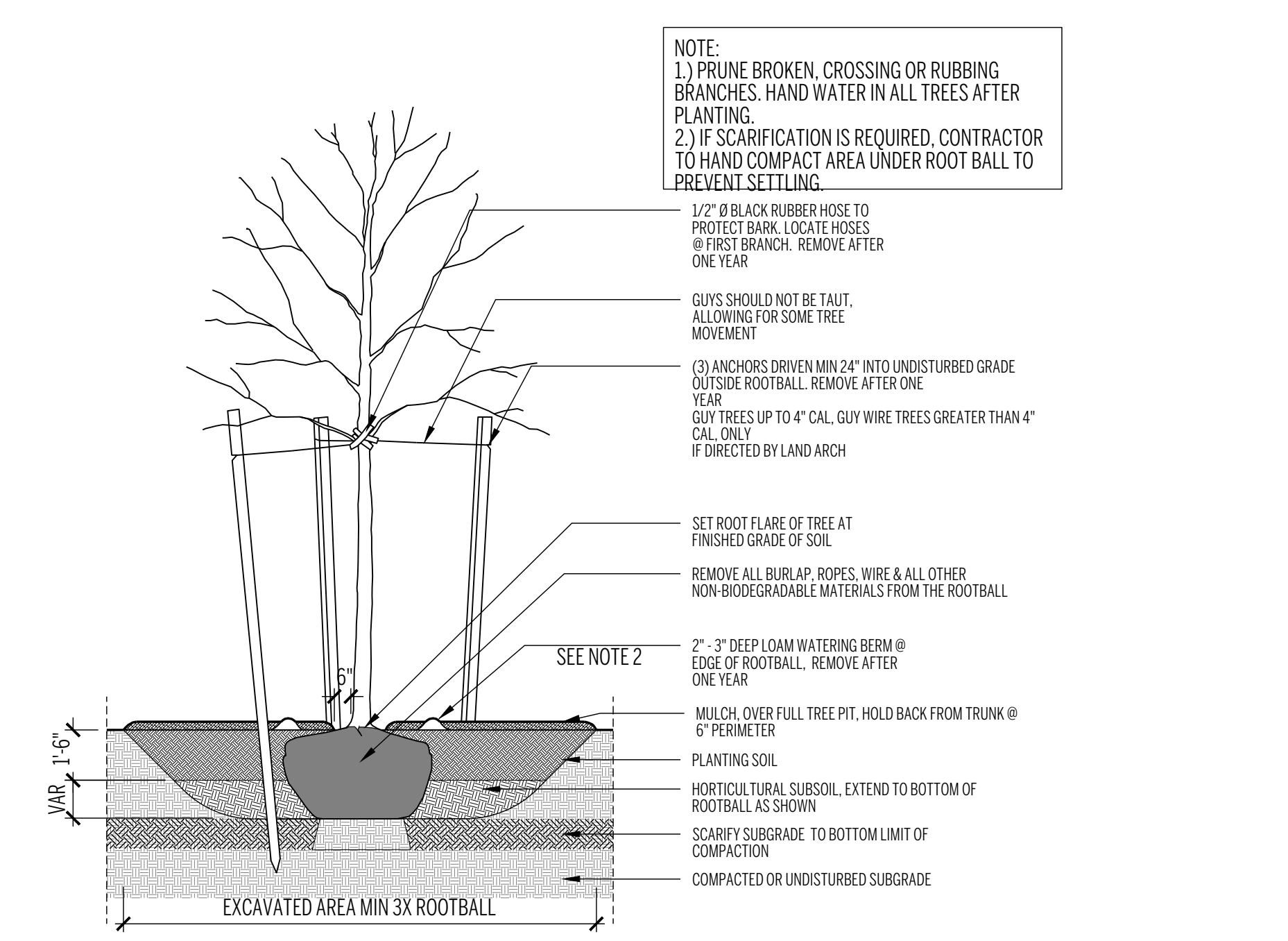
2 MEADOW SEED SOIL PROFILE
 1"=1'-0"



1 SHRUB, GROUNDCOVER, PERENNIAL SOIL PROFILE
 1"=1'-0"



7 TREE PLANTING, EVERGREEN
 3/8"=1'-0"



6 TREE PLANTING, DECIDUOUS
 1/4"=1'-0"

Revision	Date
SD Set	04.28.2023
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Sheet Title	Scale	Drawn	Checked	Project No.
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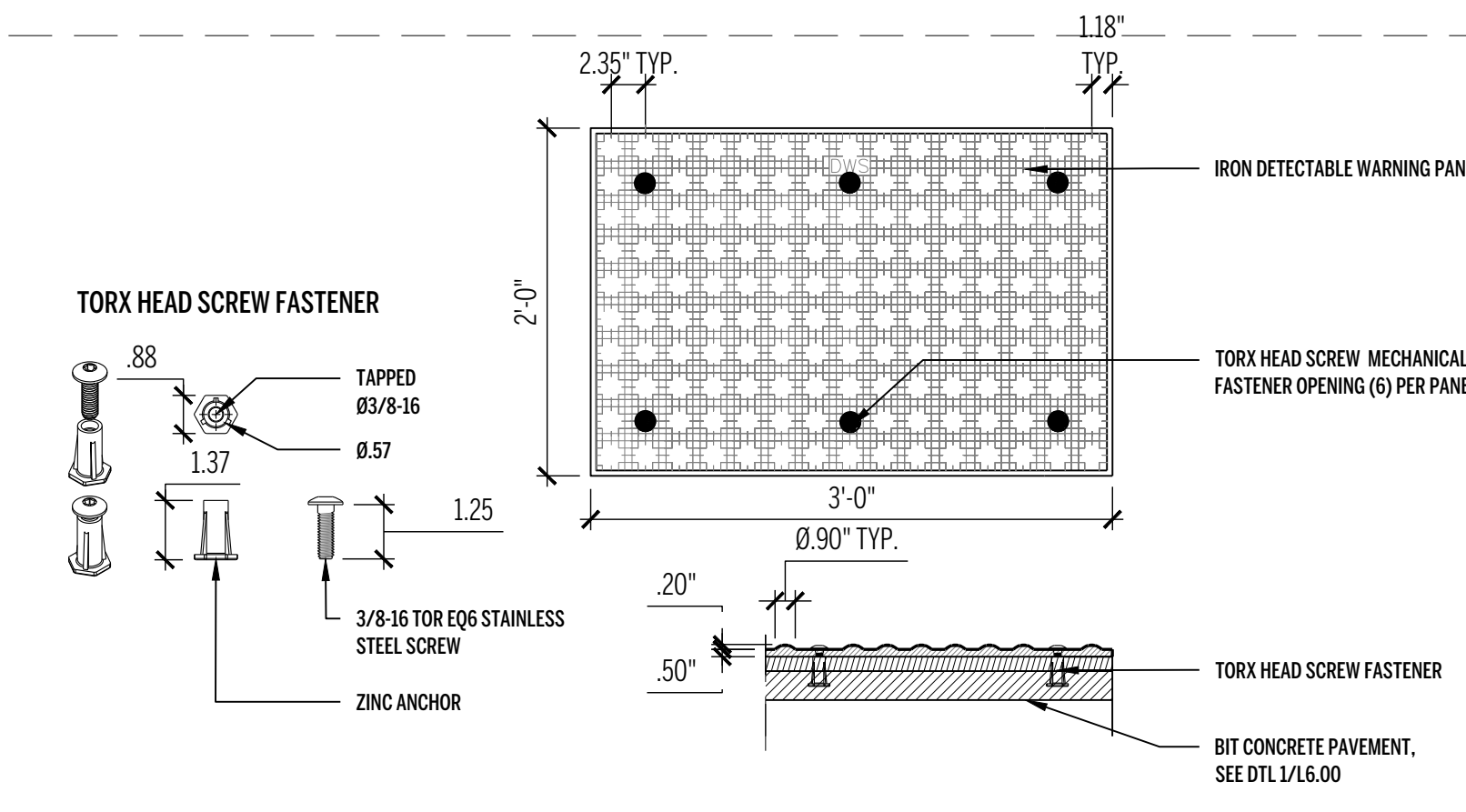
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12/13/2023	1/8" = 1'-0"	LD	GT, GL	2304

Sheet Title	Scale	Drawn	Checked	Project No.
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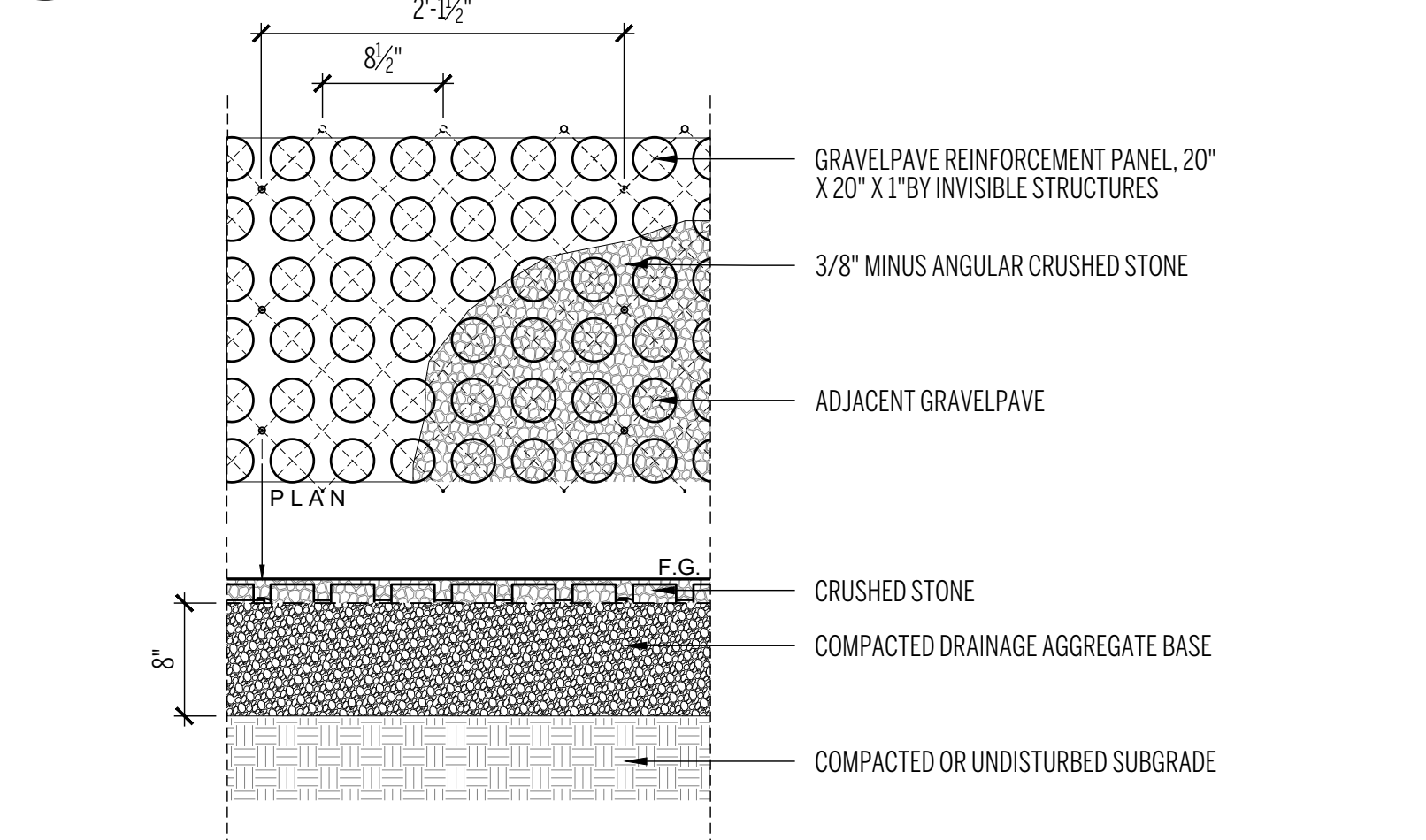
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12/13/2023	1/8" = 1'-0"	LD	GT, GL	2304

Sheet Title	Scale	Drawn	Checked	Project No.
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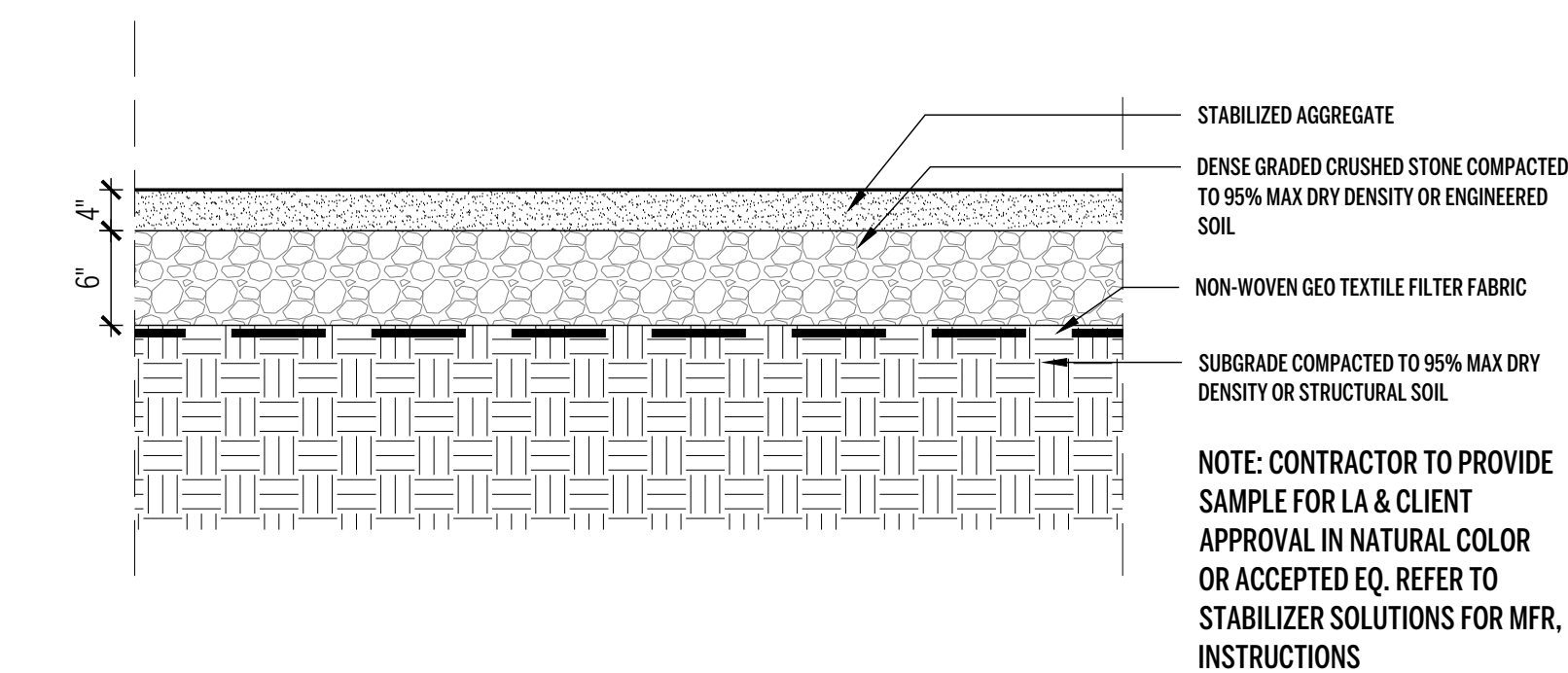
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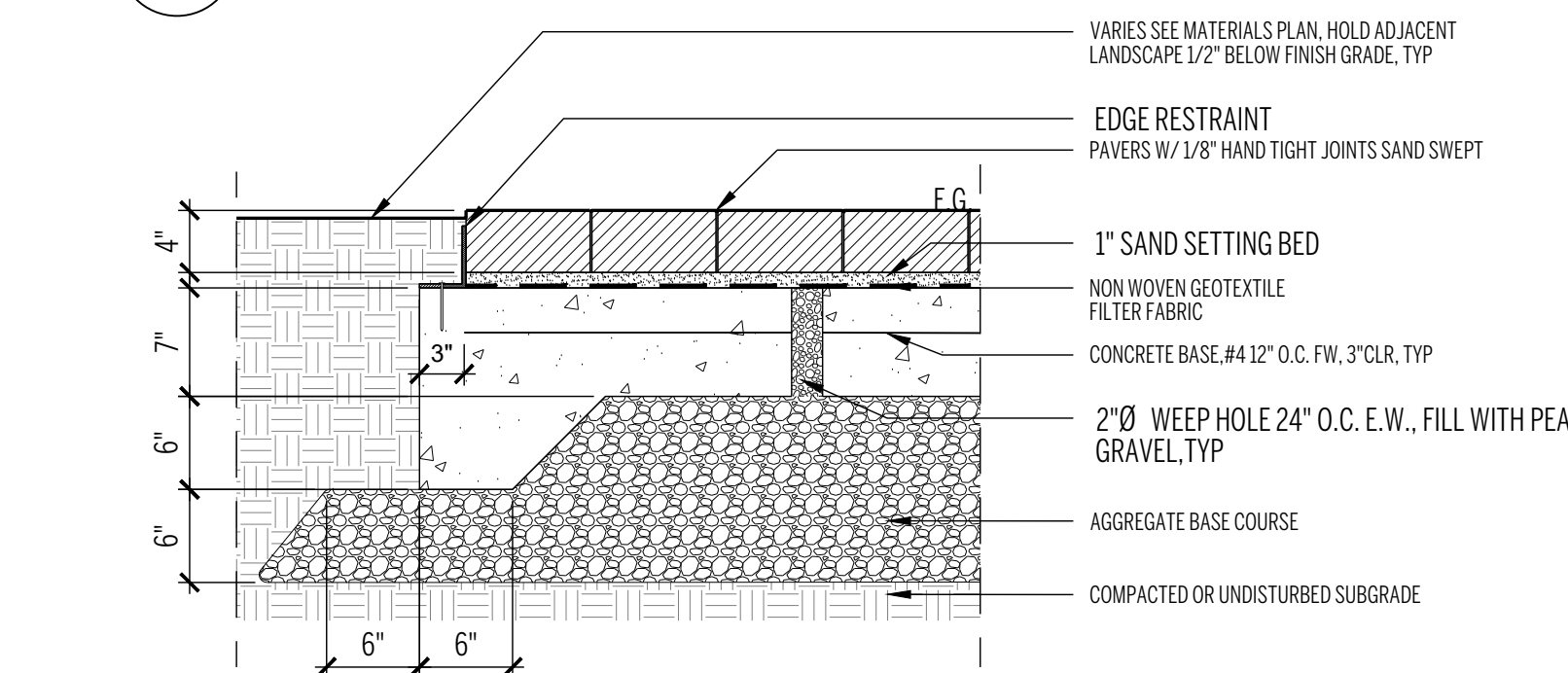
6 DETECTABLE WARNING PAVER
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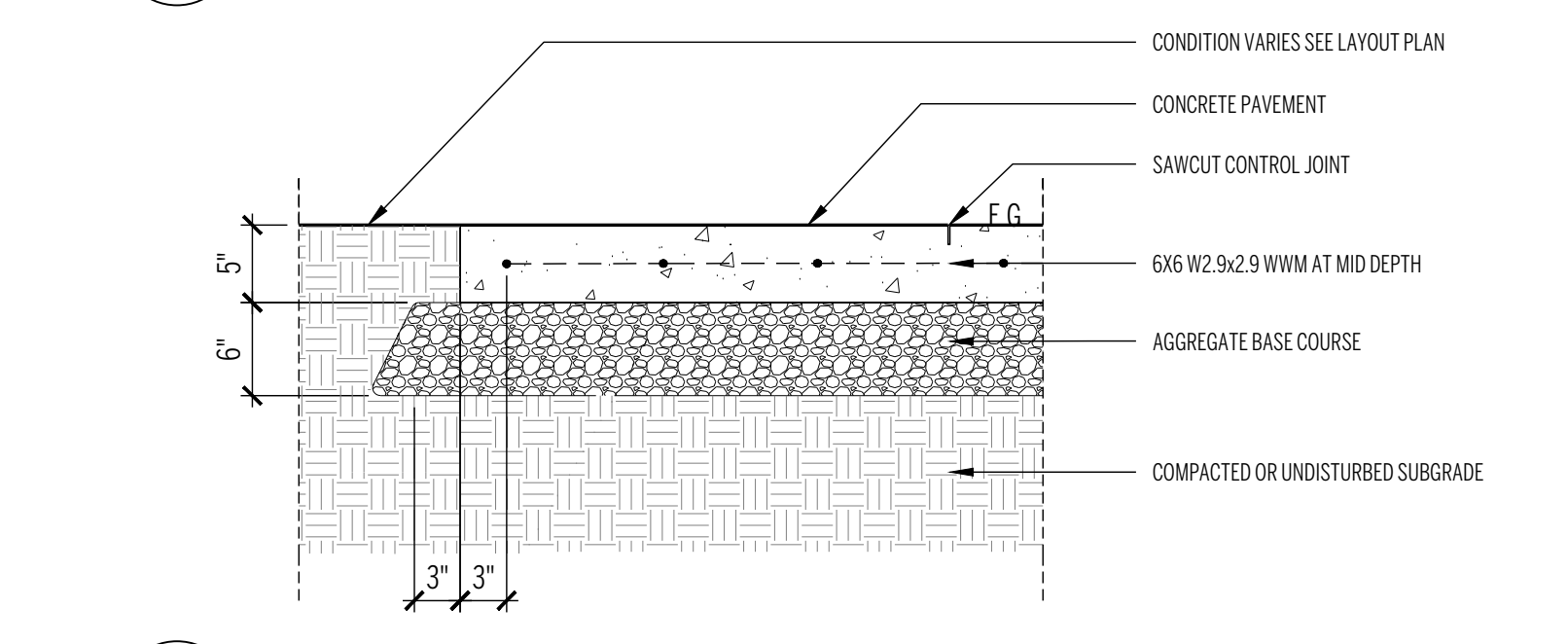
5 GRAVEL PAVEMENT
1"=1'-0"



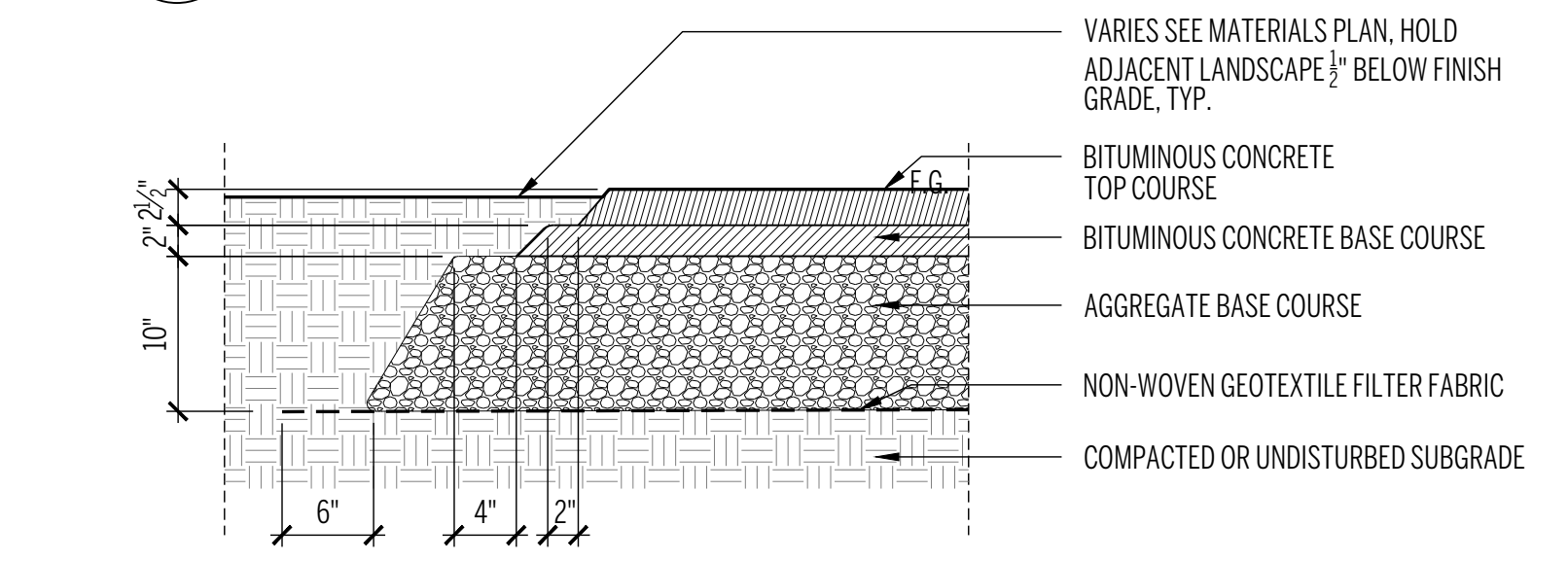
4 STABILIZED DECOMPOSED GRANITE
1"=1'-0"



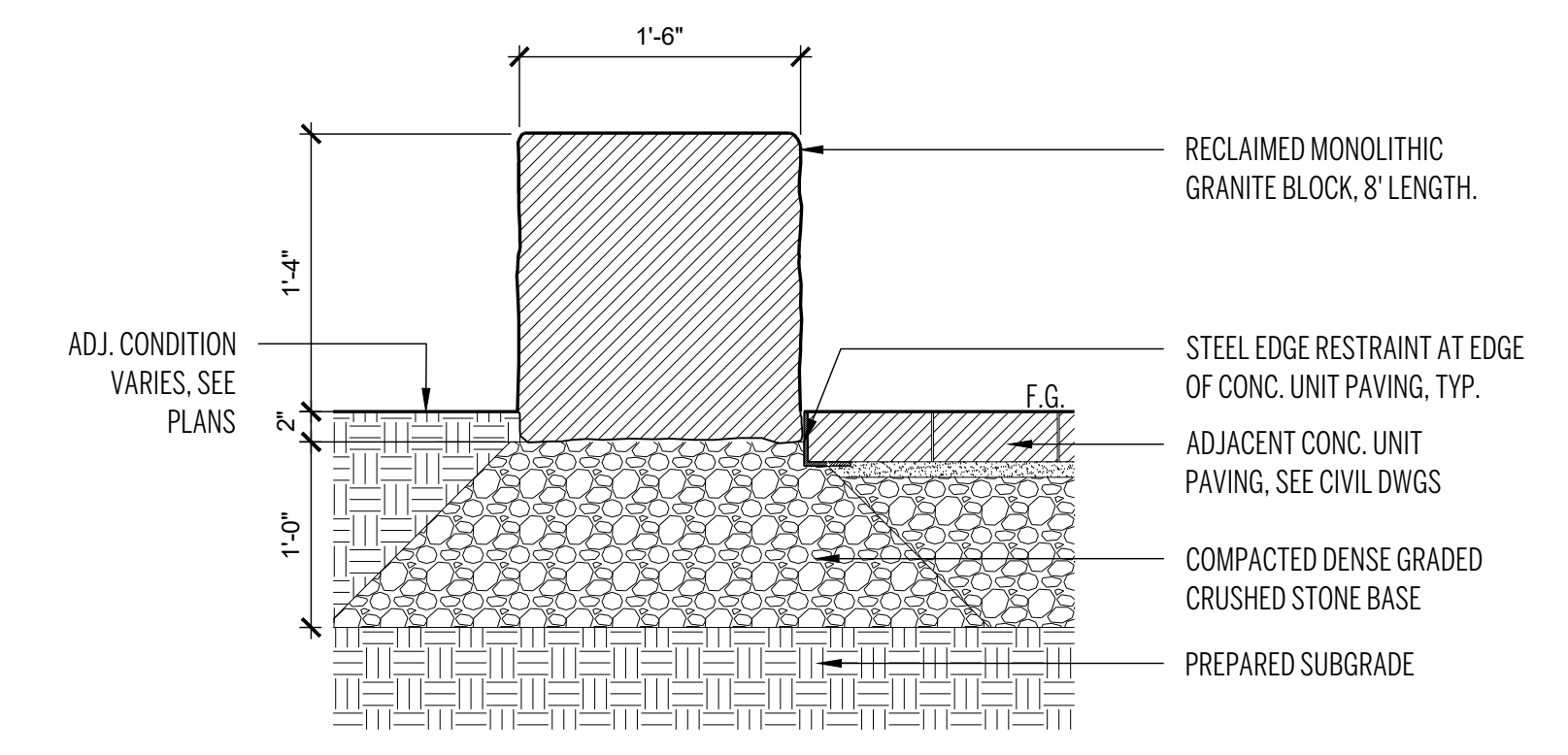
3 CONCRETE UNIT PAVER ON CONCRETE BASE- PEDESTRIAN
1"=1'-0"



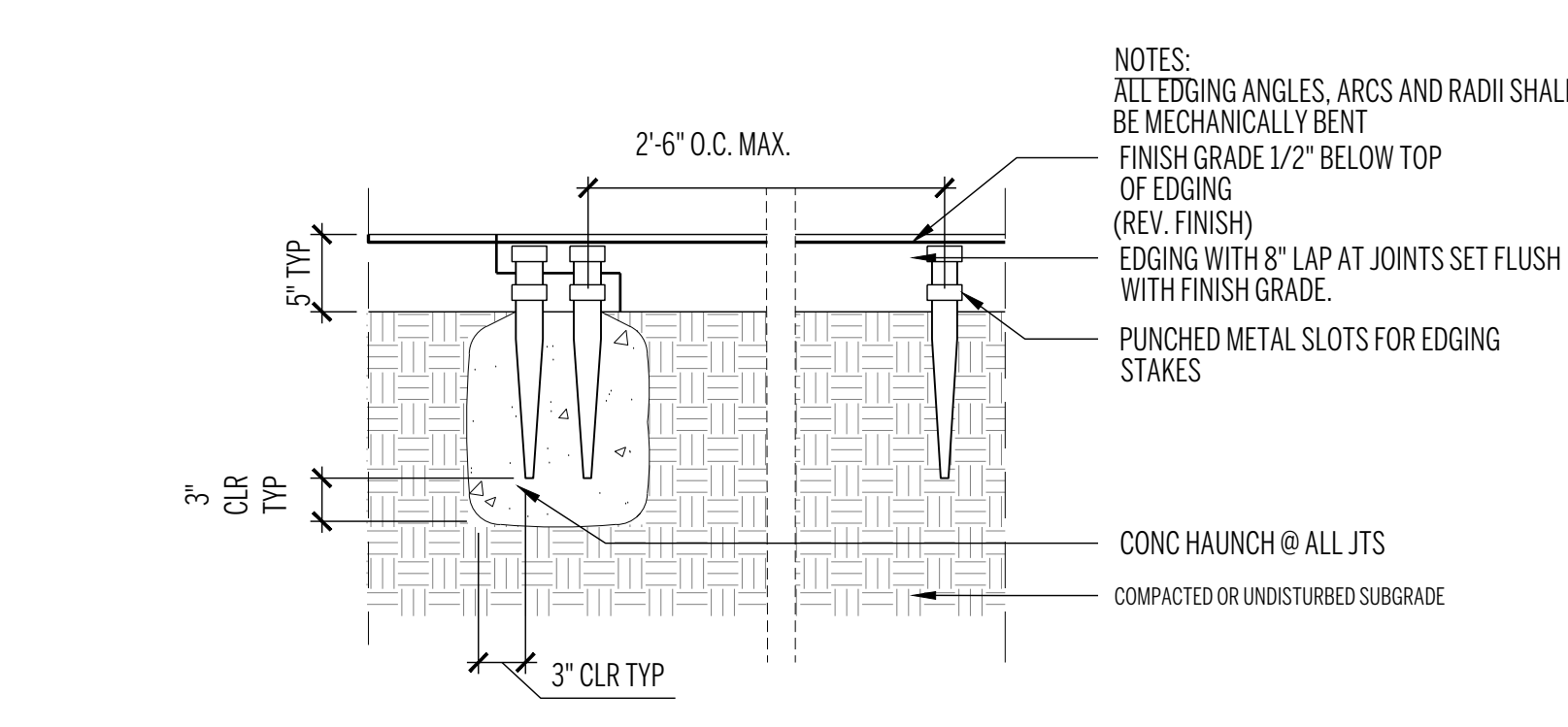
2 CONCRETE PAVEMENT - PEDESTRIAN
1"=1'-0"



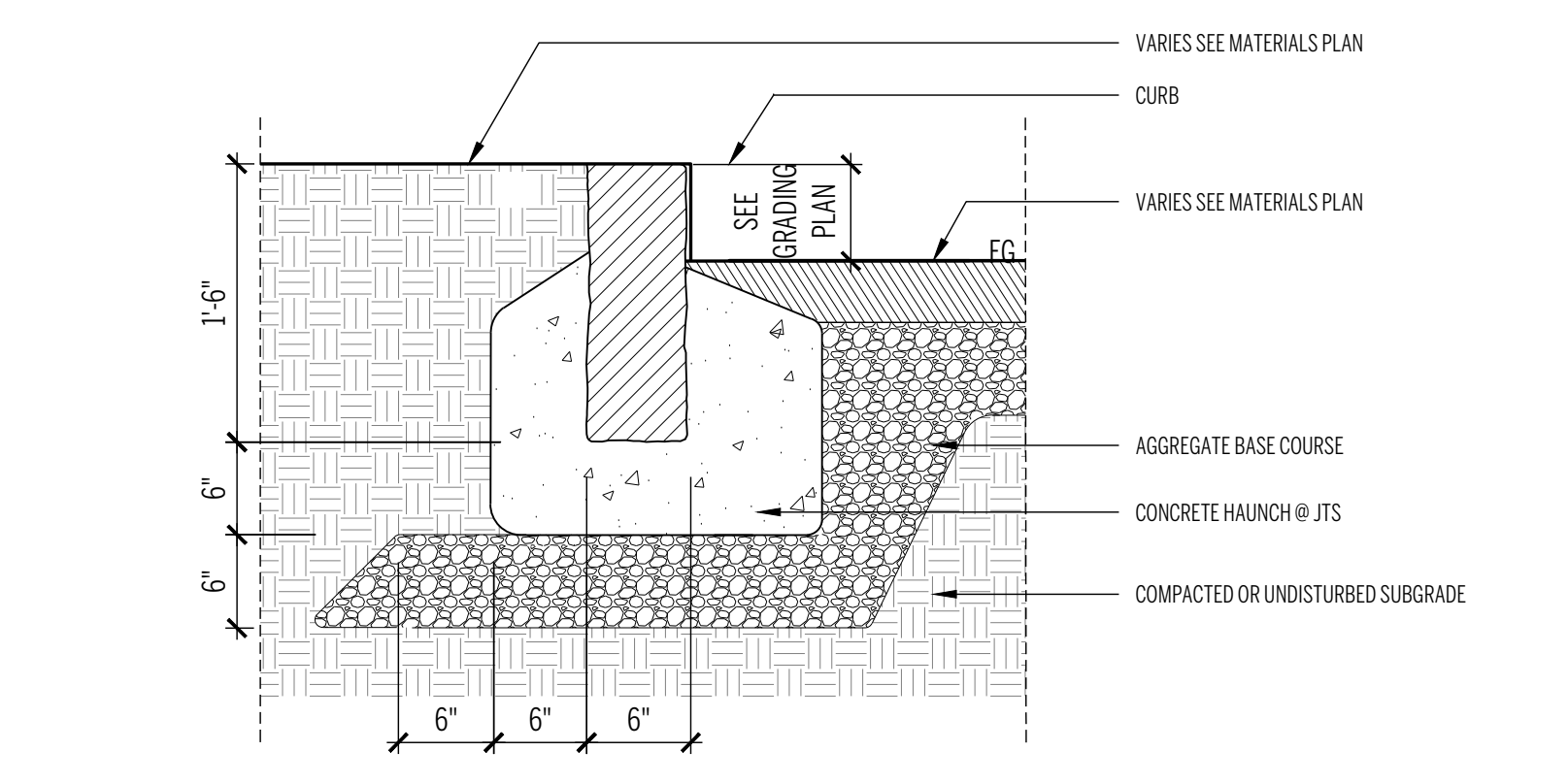
1 BITUMINOUS CONCRETE- VEHICULAR
1"=1'-0"



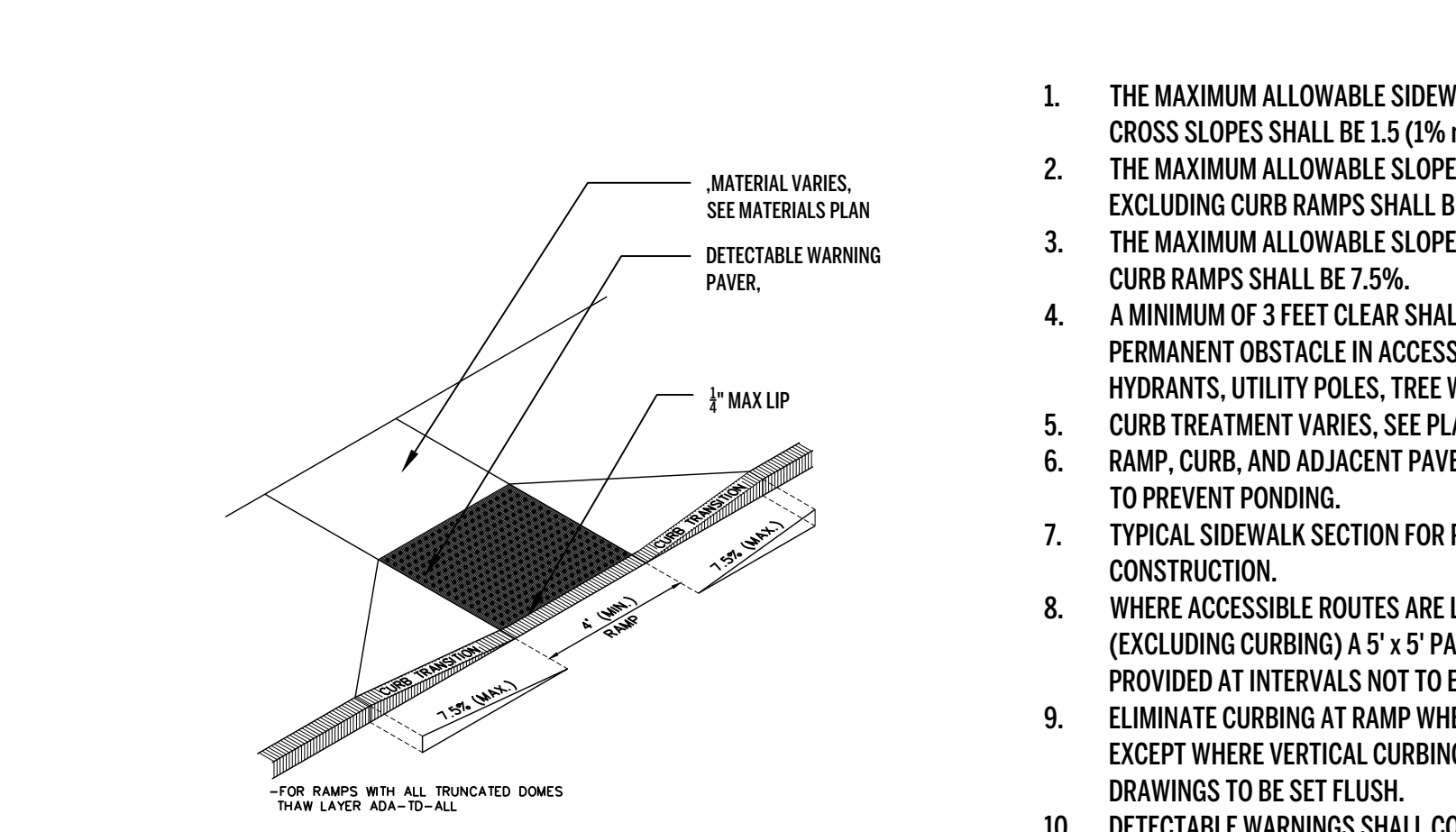
11 MONOLITHIC GRANITE BENCH
1"=1'-0"



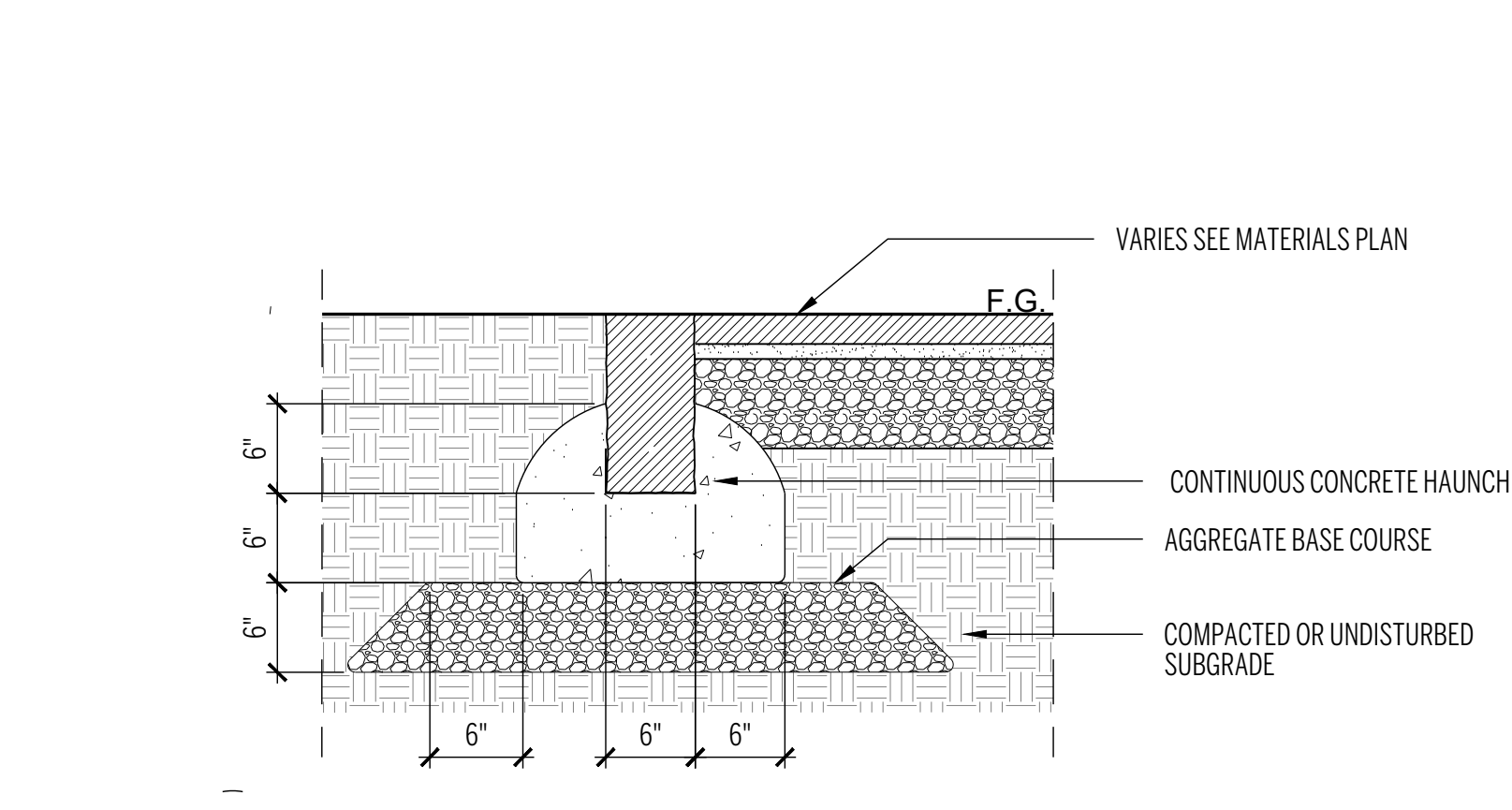
10 METAL MAINTENANCE EDGE- 18" WIDTH
1"=1'-0"



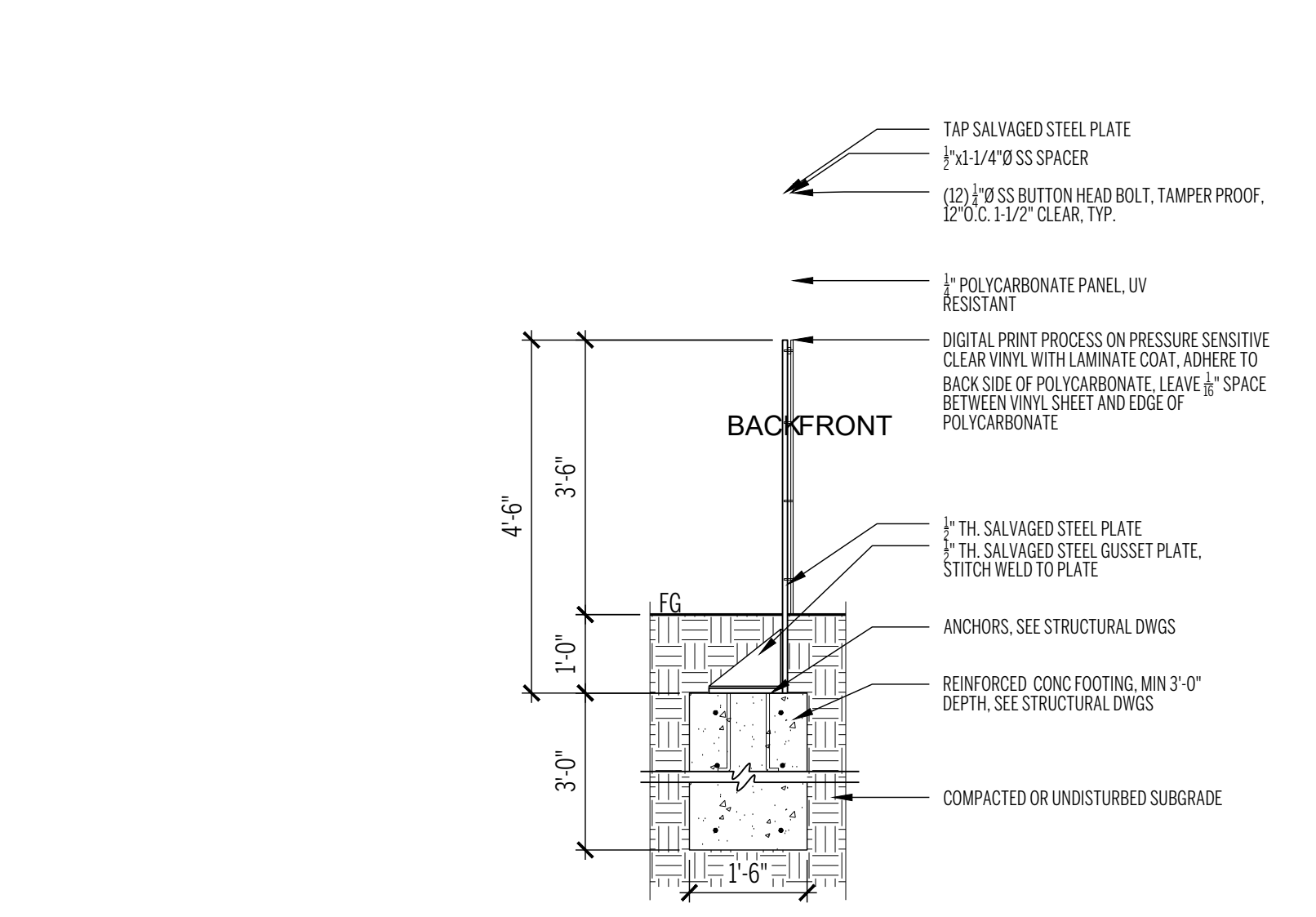
9 RAISED CURB
1"=1'-0"



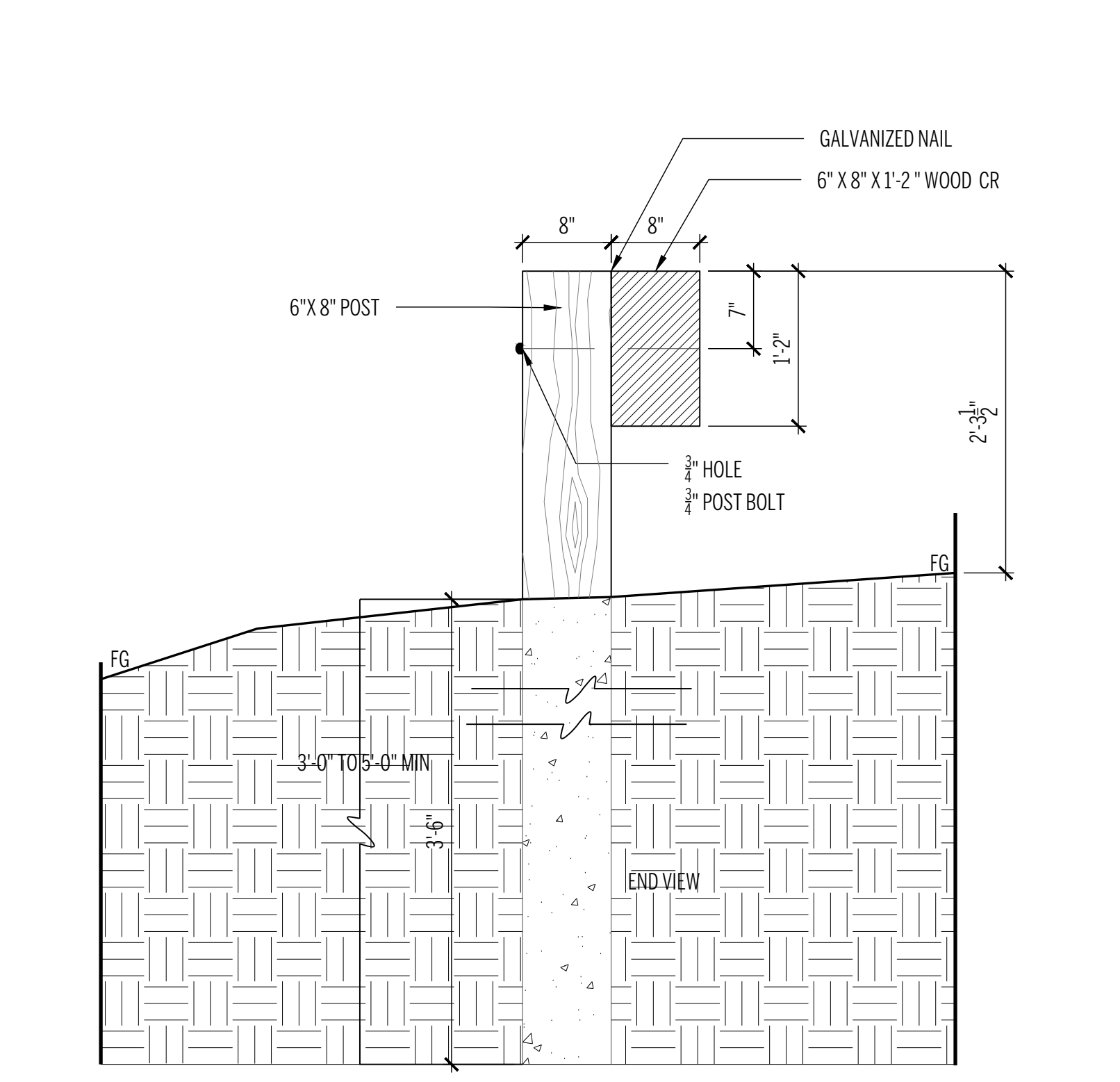
8 RAISED TO FLUSH TRANSITION CURB
NTS



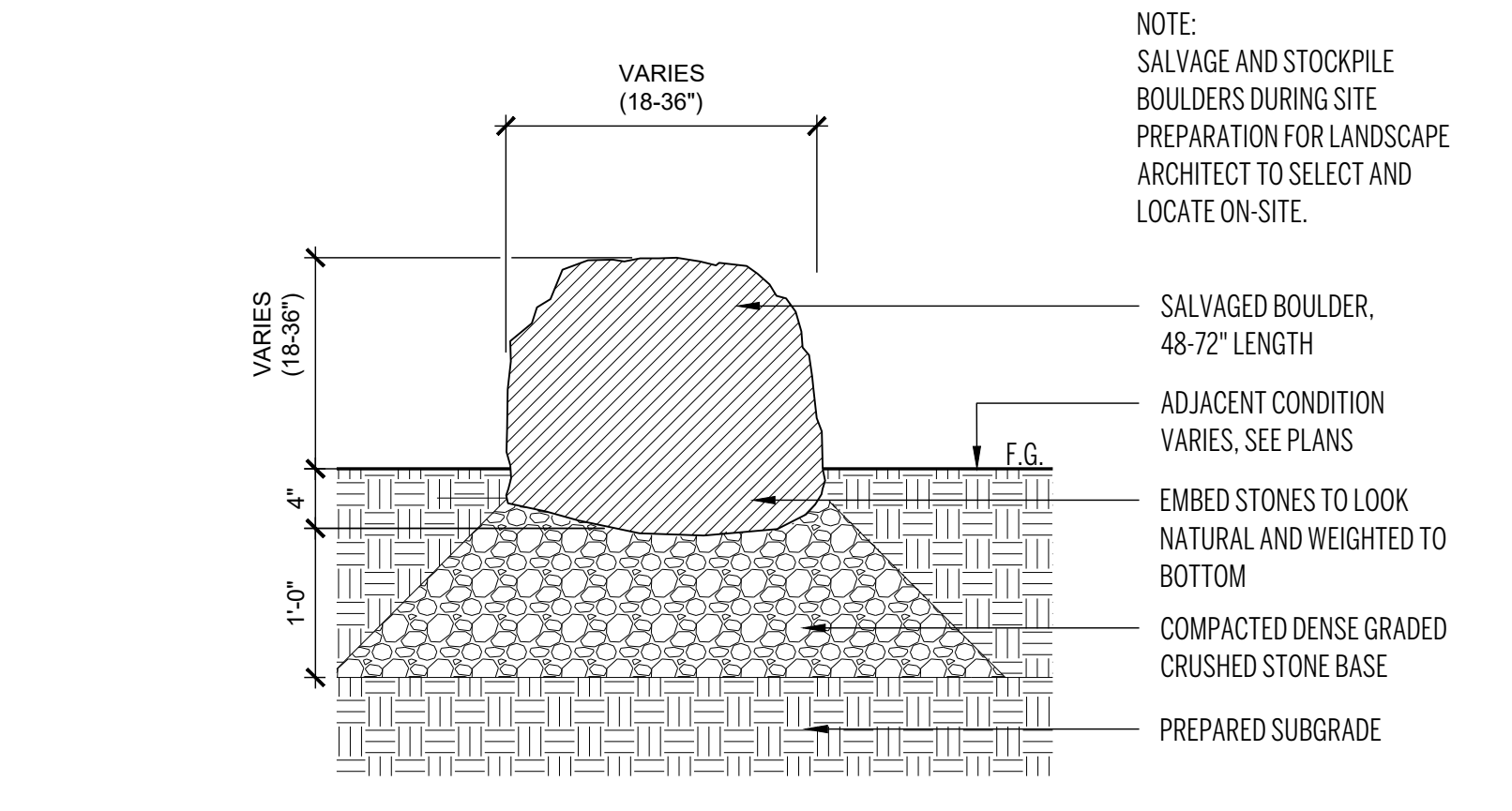
7 FLUSH CURB
1"=1'-0"



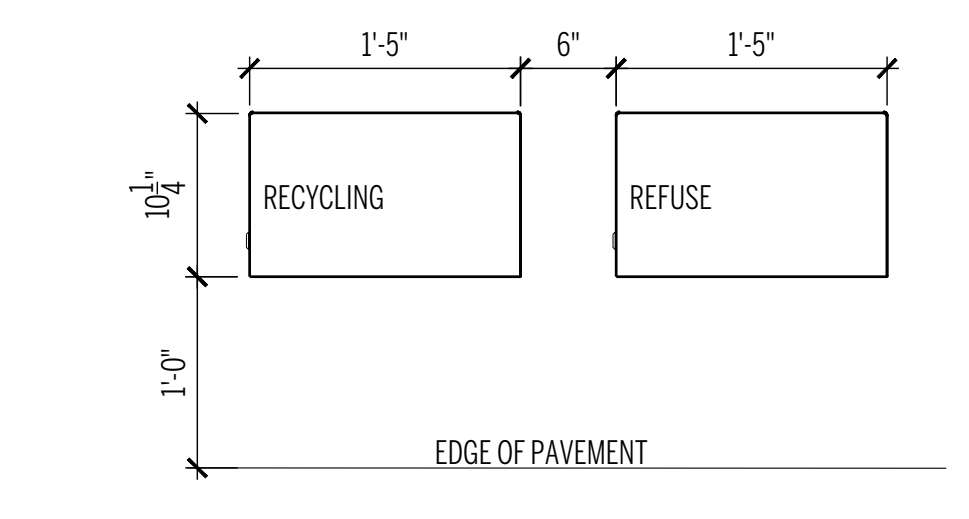
14 STEEL PLATE ENTRY SIGN
1/2"=1'-0"



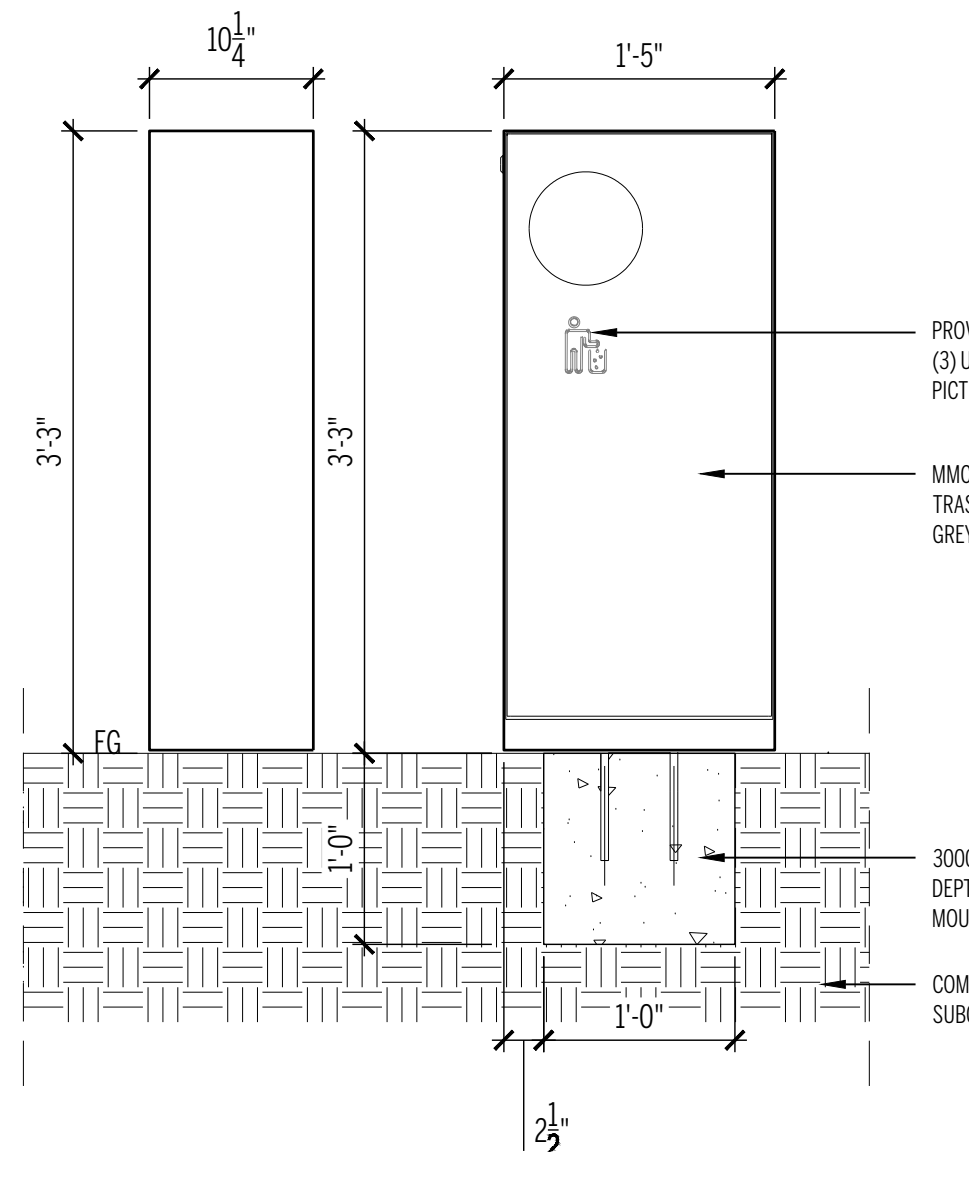
13 TIMBER GUARDRAIL - VEHICULAR
1"=1'-0"



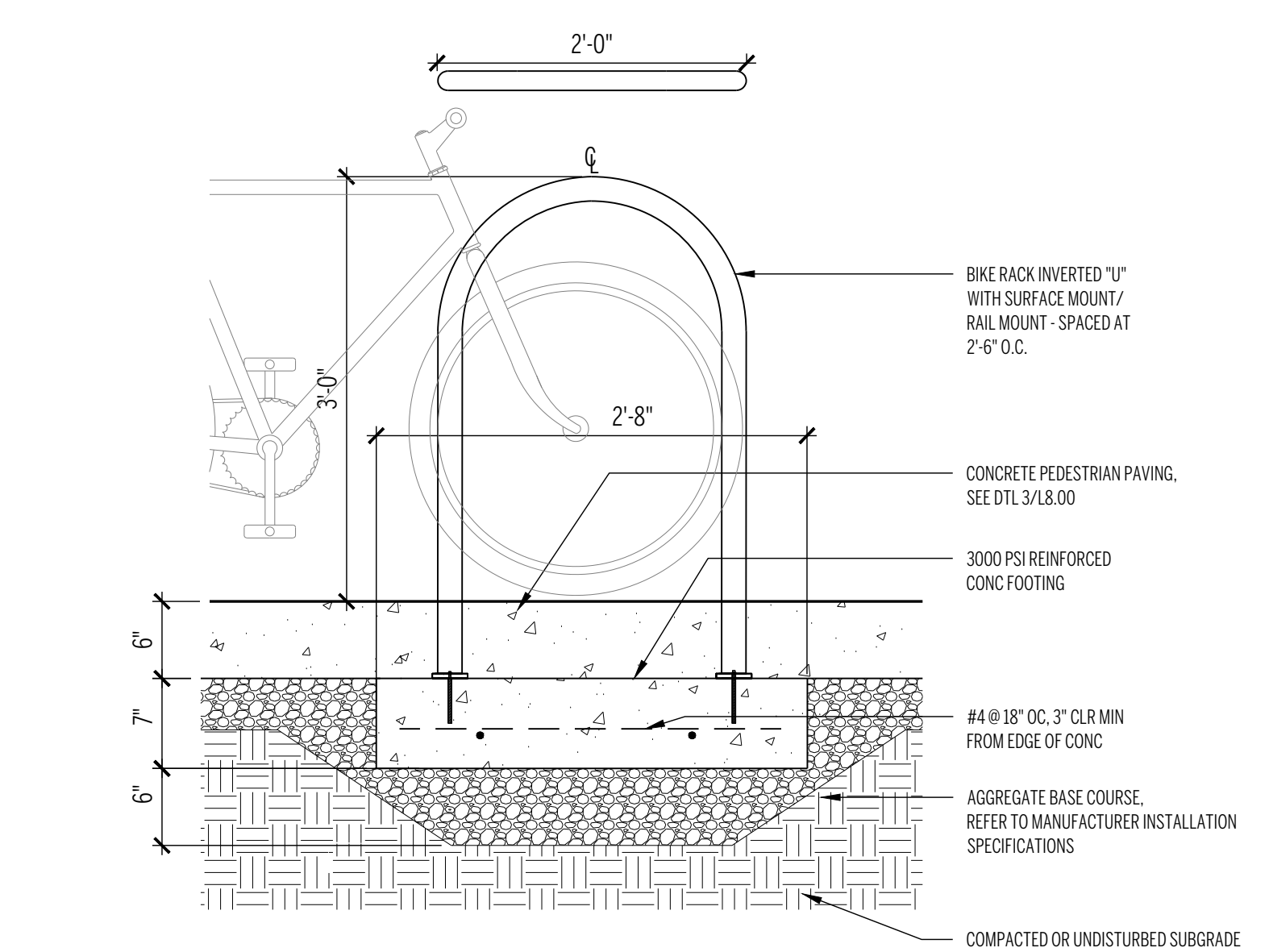
12 SITE SALVAGED BOULDER
1"=1'-0"



16 TRASH RECEPTACLE
1"=1'-0"



15 BIKE RACK
1"=1'-0"



11 MONOLITHIC GRANITE BENCH
1"=1'-0"