

CITY OF SANFORD EMERSON STREET PARKING FACILITY SANFORD, MAINE YORK COUNTY WIN 026306.00 PARK AND RIDE FACILITY

PLAN LEGEND

<p>Town, County, State _____</p> <p>Property Lines _____</p> <p>R/W Lines-Existing _____</p> <p>R/W Lines-Proposed _____</p> <p>Culvert-Existing _____</p> <p>Culvert Proposed _____</p> <p>Curbing Existing Proposed</p> <p>Type 1 _____</p> <p>Type 3 _____</p> <p>Type 5 _____</p> <p>Outline of Bodies of Water _____</p> <p>Exposed Bedrock _____</p> <p>Buildings _____</p> <p>Trees Conifer Deciduous</p> <p>Tree Line _____</p> <p>Clearing Limit Line _____</p> <p>Railroad _____</p> <p>Boring HB-XXX-###</p> <p>Pavement Core PC-#</p> <p>Test Pit TP-XXX-###</p>	<p>Catch Basins Existing Proposed</p> <p>Manholes Existing Proposed</p> <p>Proposed Underdrain _____</p> <p>Proposed Ditch _____</p> <p>Existing Ditch _____</p> <p>Utility Poles Existing Proposed</p> <p>Fire Hydrants Existing Proposed</p> <p>Existing Water Line _____</p> <p>Existing San. Sewer _____</p> <p>Existing San. Sewer Manhole </p> <p>Guardrail-Existing _____</p> <p>Guardrail-Proposed _____</p> <p>Guardrail-Cable, Other _____</p> <p>Centerline-Existing _____</p> <p>Centerline-Proposed _____</p> <p>Travelway-Existing _____</p> <p>Travelway-Proposed _____</p> <p>Probe P-#. #X</p> <p style="font-size: small;">#.# = Depth</p> <p style="font-size: small;">X = W (Weathered Rock)</p> <p style="font-size: small;">R (Refusal)</p> <p style="font-size: small;">NR (No Refusal)</p>
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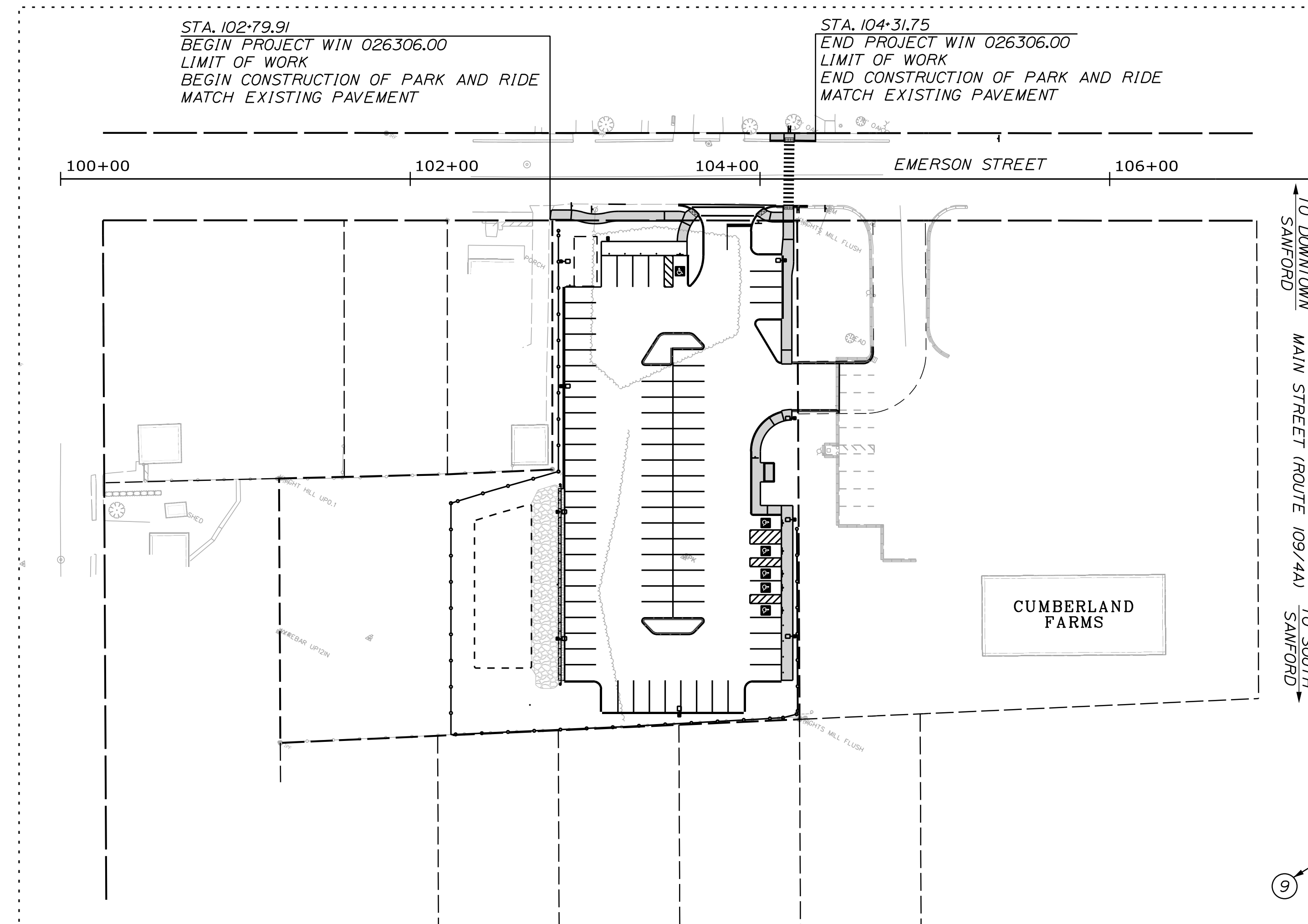
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CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

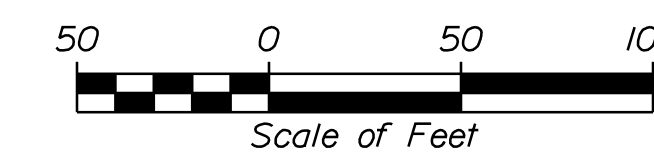
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PROGRESS PLANS
SEPTEMBER 26, 2025

NOTE:
ALL WORK CONTEMPLATED UNDER THIS CONTRACT SHALL BE GOVERNED BY AND BE IN CONFORMITY WITH THE MAINEDOT STANDARD SPECIFICATIONS (MARCH 2020 EDITION), AND THE MAINEDOT STANDARD DETAILS (MARCH 2020), EXCEPT AS MODIFIED BY THE PLANS OR SPECIAL PROVISIONS AND ANY AND ALL CORRECTIONS, REVISIONS, OR ADDITIONS ISSUED BY MAINEDOT.



PLAN



PROJECT LOCATION:

The project is located on Emerson Street, directly west of Cumberland Farms, in Sanford, Maine.

PROGRAM AREA:

Multimodal Program - LAP

SCOPE OF WORK:

The project will include design of a new parking facility, drainage and sidewalk accommodations. Work will include new gravel, pavement, curbed sidewalk, lighting, landscaping and a transit stop with bus shelter.

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SANFORD
EMERSON STREET
PARKING FACILITY

TITLE SHEET

SHEET NUMBER

1

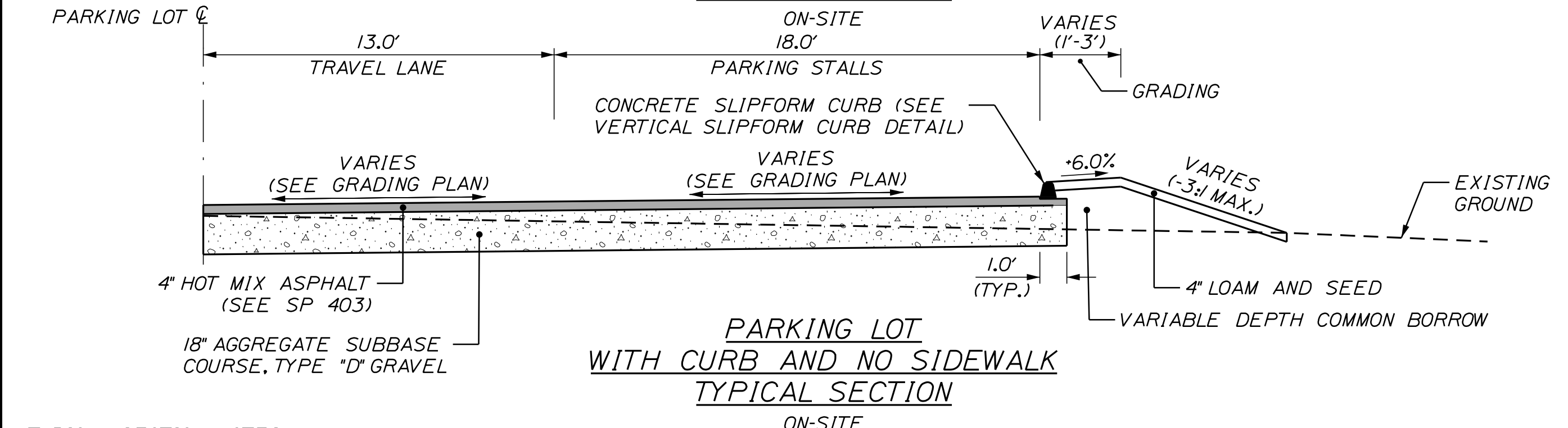
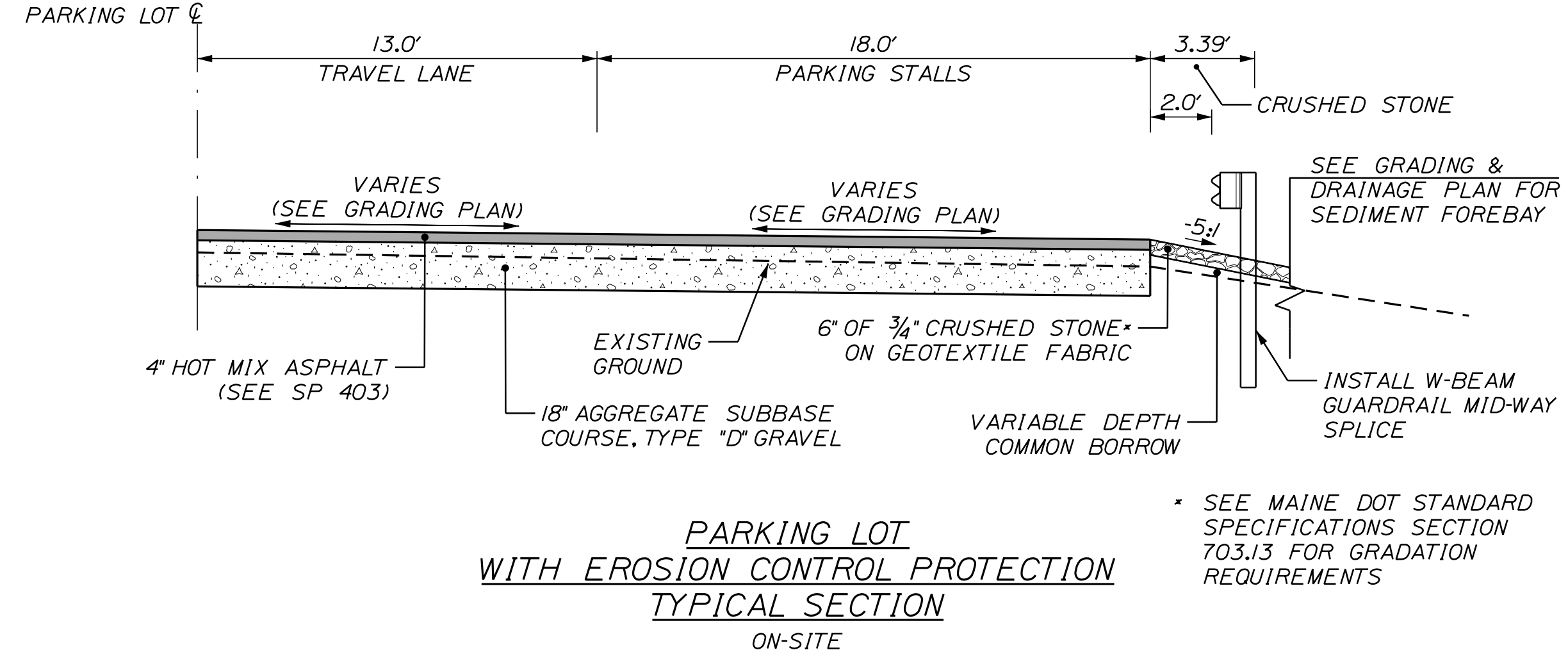
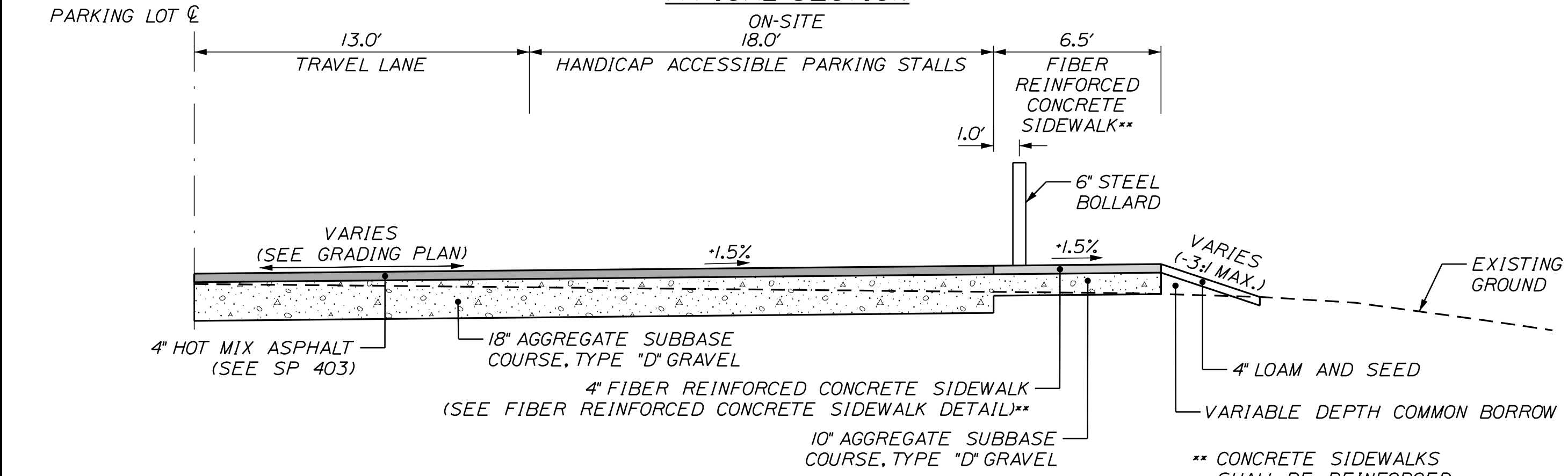
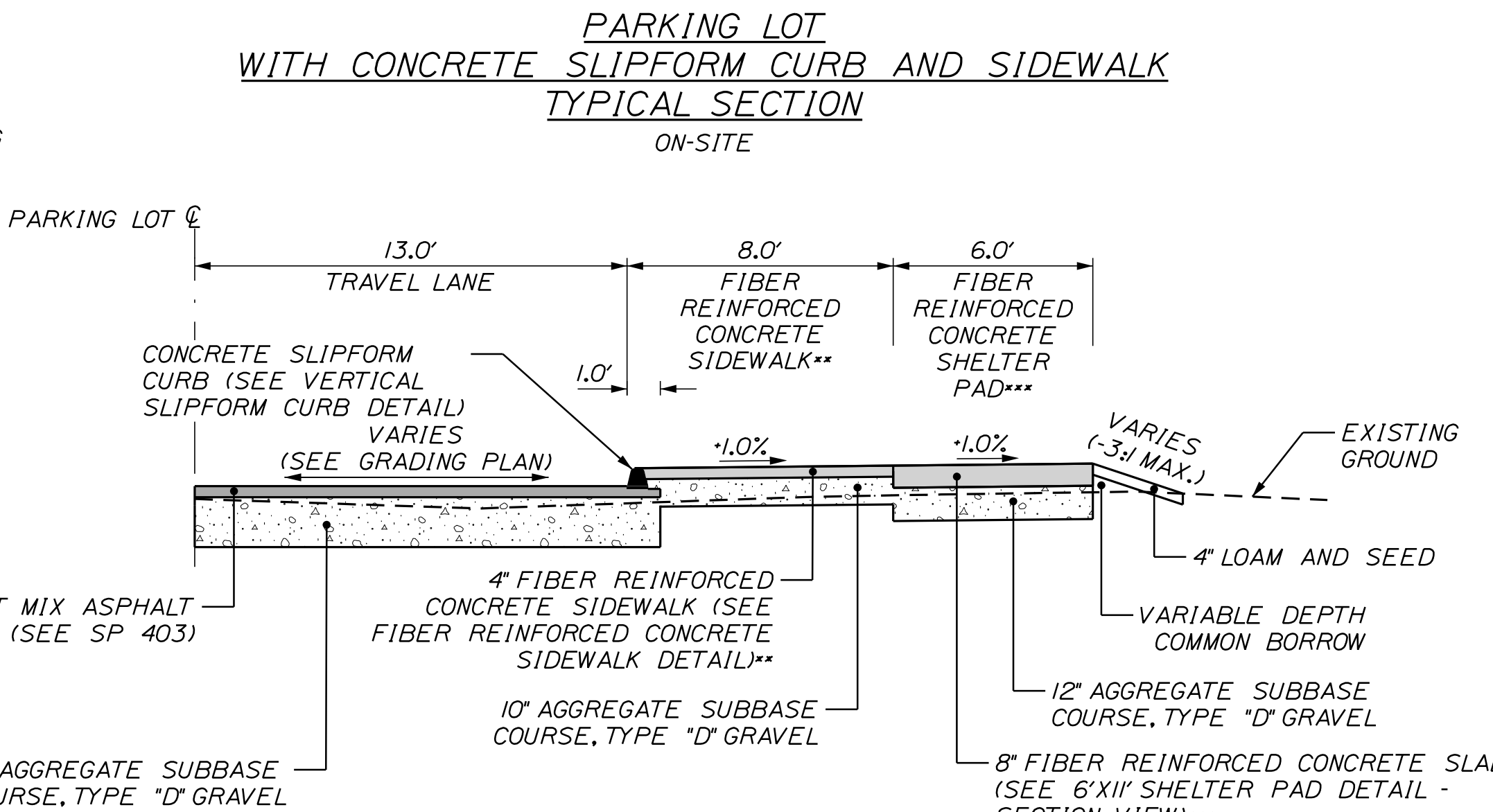
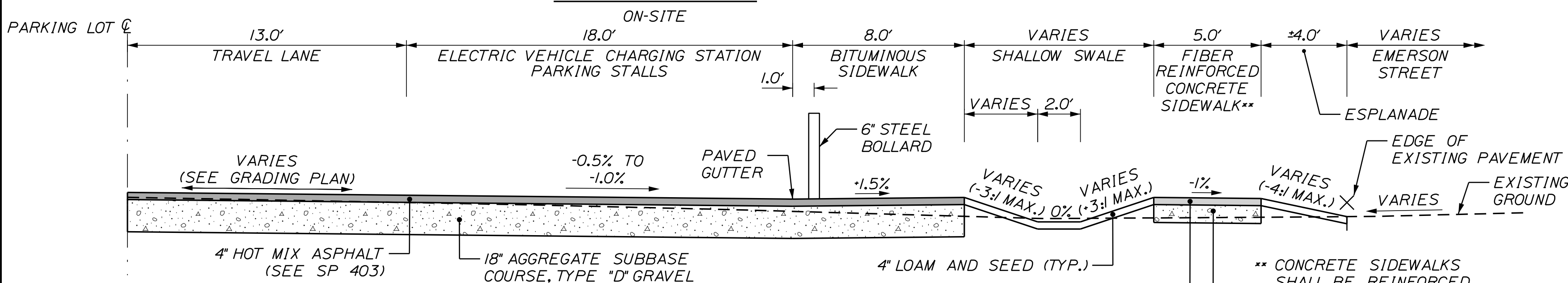
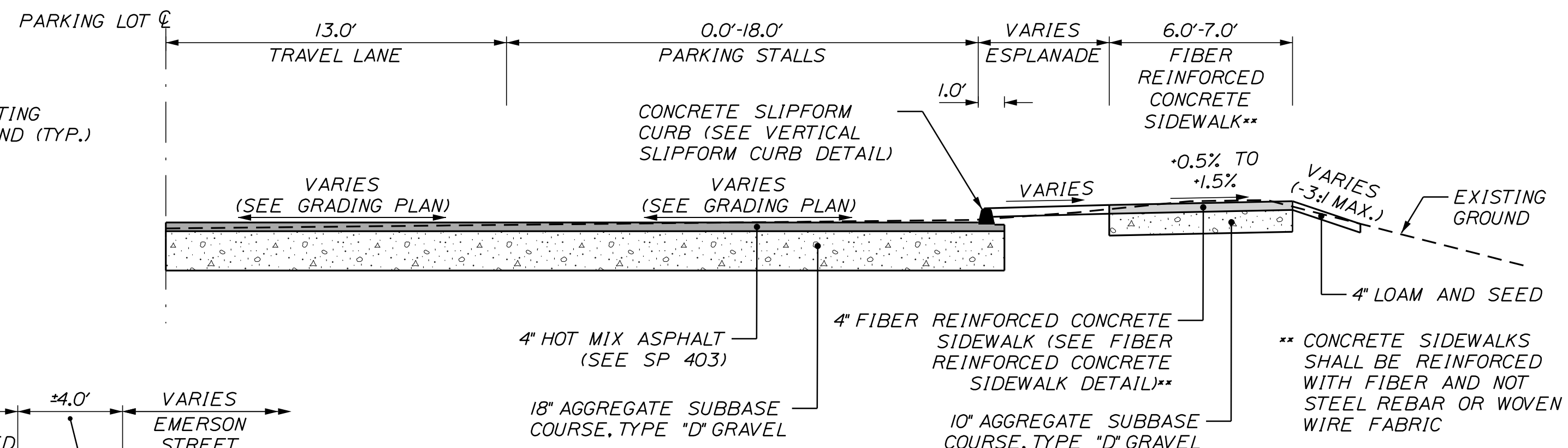
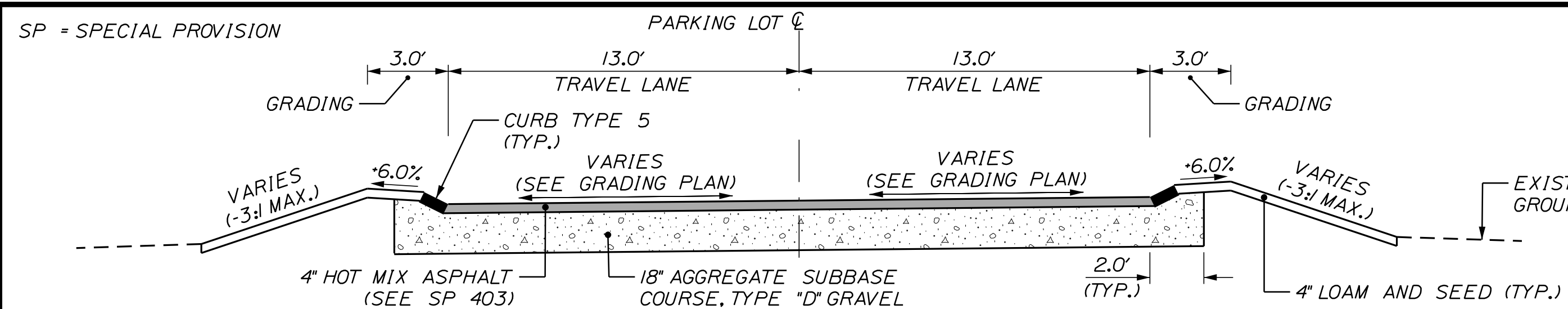
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SP = SPECIAL PROVISION

NOT TO SCALE



TYPICAL SECTION NOTES:

1. THE PAVEMENT, BASE, AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. CONCRETE SLIPFORM CURB, MOLD 1 SHALL BE PLACED ON BASE PAVEMENT. THE SURFACE PAVEMENT SHALL BE PAVED UP TO THE FACE OF CURB.
3. THE SHOULDER PAVEMENT THICKNESS SHALL BE THE SAME AS THE TRAVELWAY PAVEMENT THICKNESS FOR ALL ROADWAYS, UNLESS OTHERWISE NOTED.
4. SAWCUT LOCATIONS SHALL BE 2' INSIDE PROPOSED CURB OR EDGE OF EXISTING PAVEMENT, WHICHEVER IS CLOSEST TO THE ROADWAY CENTERLINE, UNLESS OTHERWISE NOTED ON THE PLANS. COORDINATE WORK WITH THE INSPECTOR.
5. PROPOSED CURB REVEAL MAY VARY IN AREAS OF SIDEWALK RAMPS AND LANDINGS. SEE CURBING PLAN FOR ADDITIONAL INFORMATION.
6. CROWNS FOR BOTH NORMAL AND SUPERELEVATED SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
7. THE STATIONING UNDER EACH TYPICAL SECTION IS APPROXIMATE.

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

PROJ. MANAGER	DATE	BY	DATE	DESIGN DETAIL	DATE	DESIGN DETAIL	DATE	DESIGN DETAIL	DATE	DESIGN DETAIL	DATE	DESIGN DETAIL	DATE	DESIGN DETAIL	DATE
T. WARREN	09/25	M. CUNDIFF	09/25	J. WARBACH	09/25	D. ETTINGER	09/25								

**SANFORD
EMERSON STREET
PARKING FACILITY**

TYPICAL SECTIONS

SHEET NUMBER

2
OF 11

GORRILL PALMER

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Date: 9/26/2025

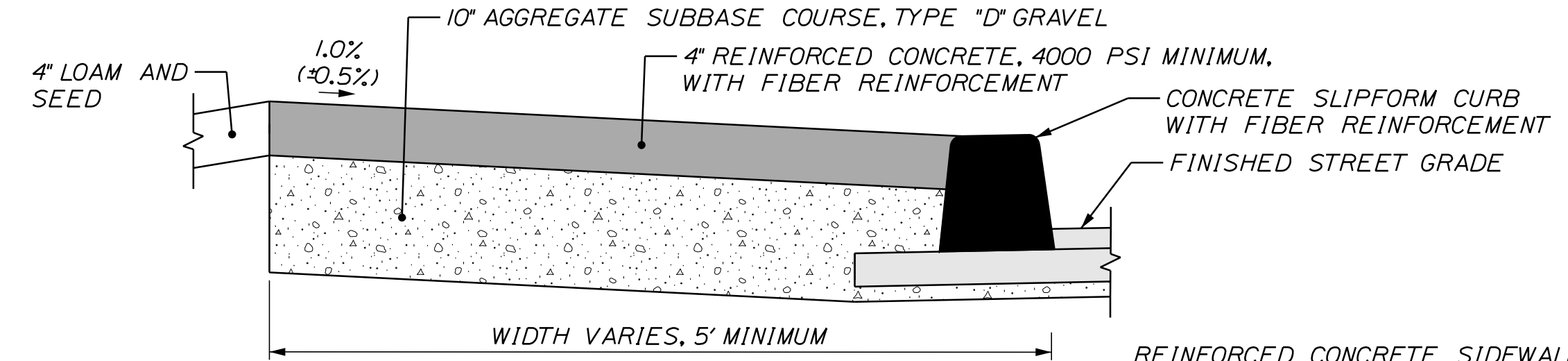
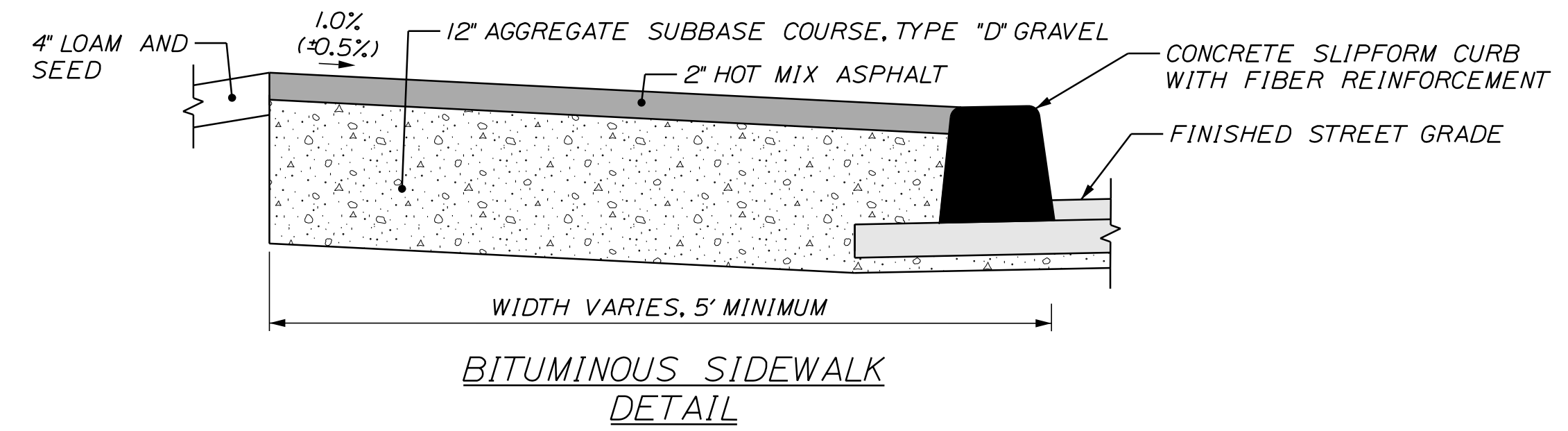
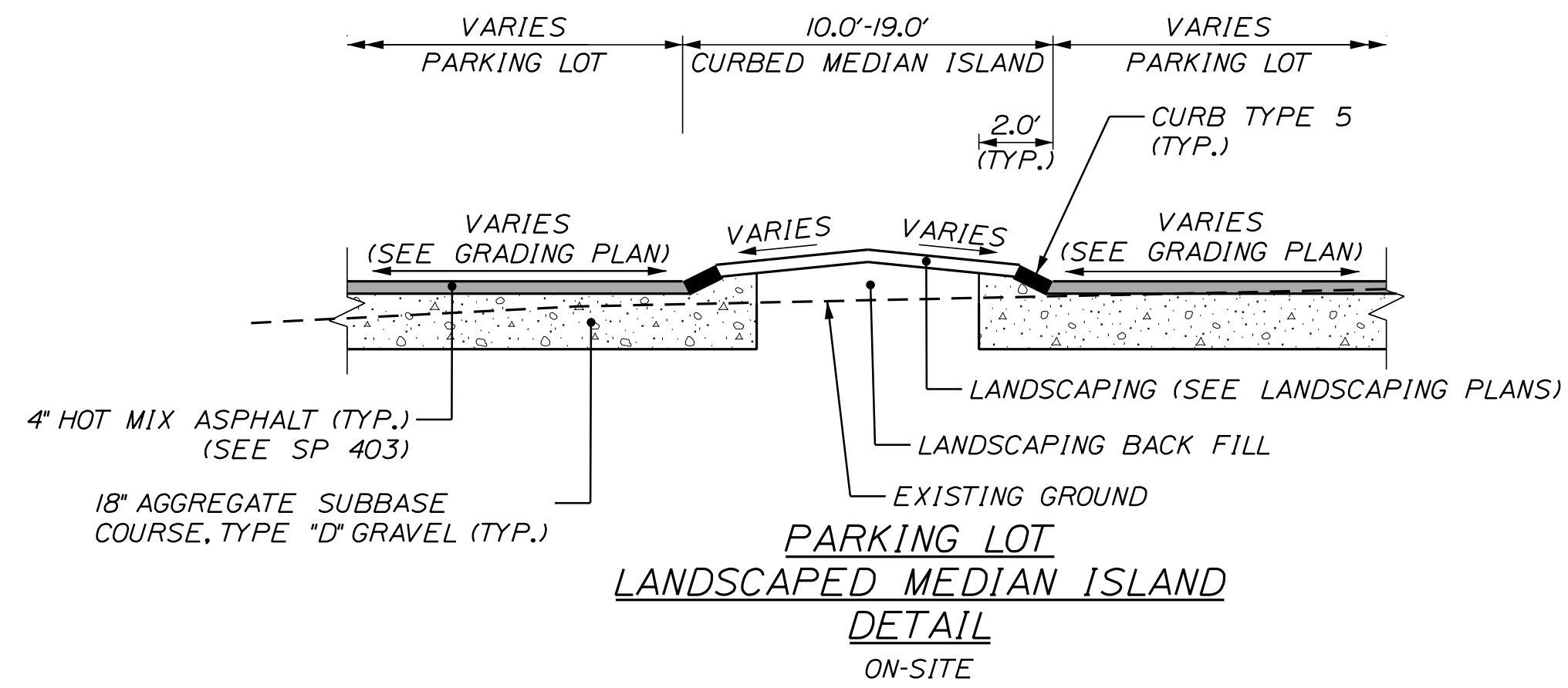
Username: Mike.Cundiff

Division: HIGHWAY

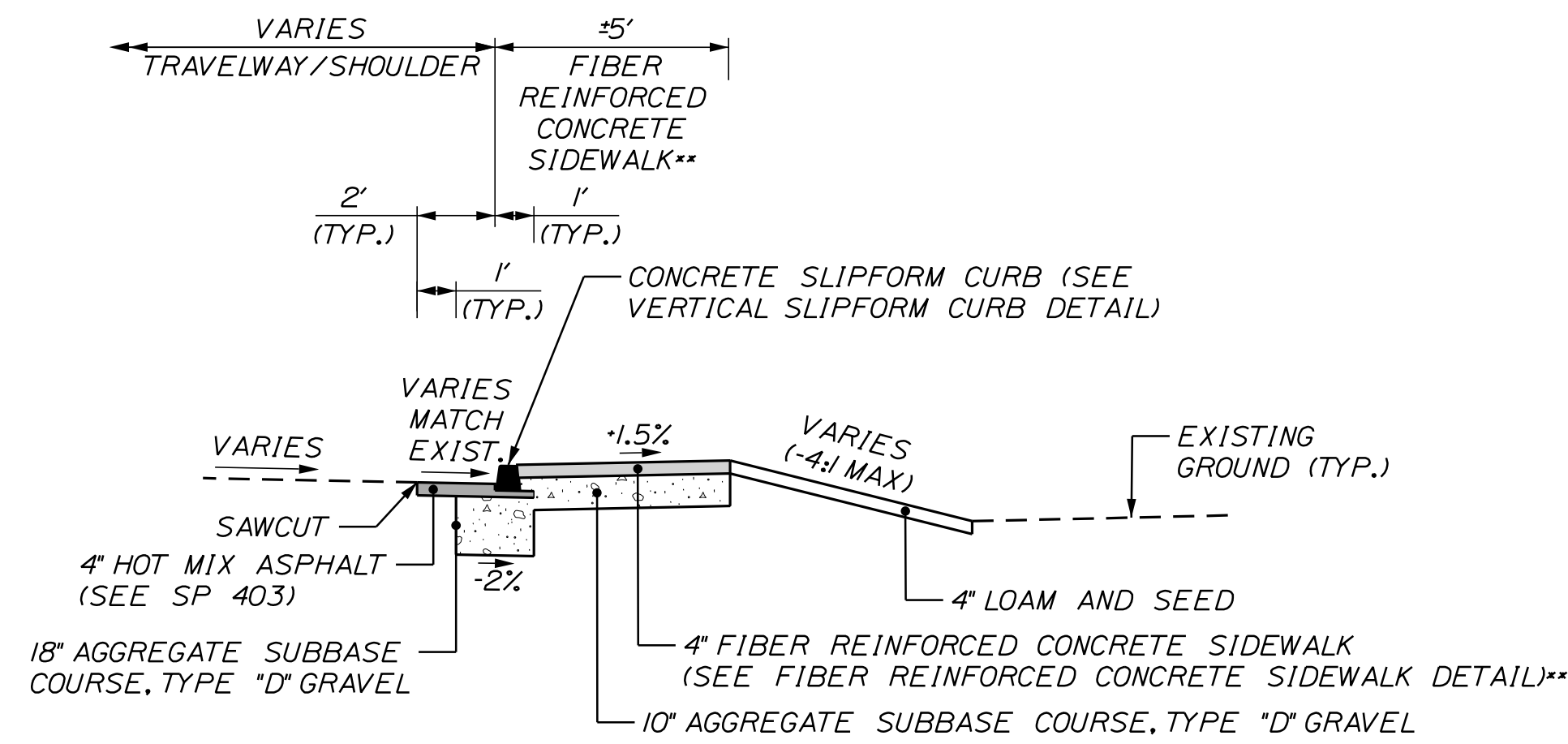
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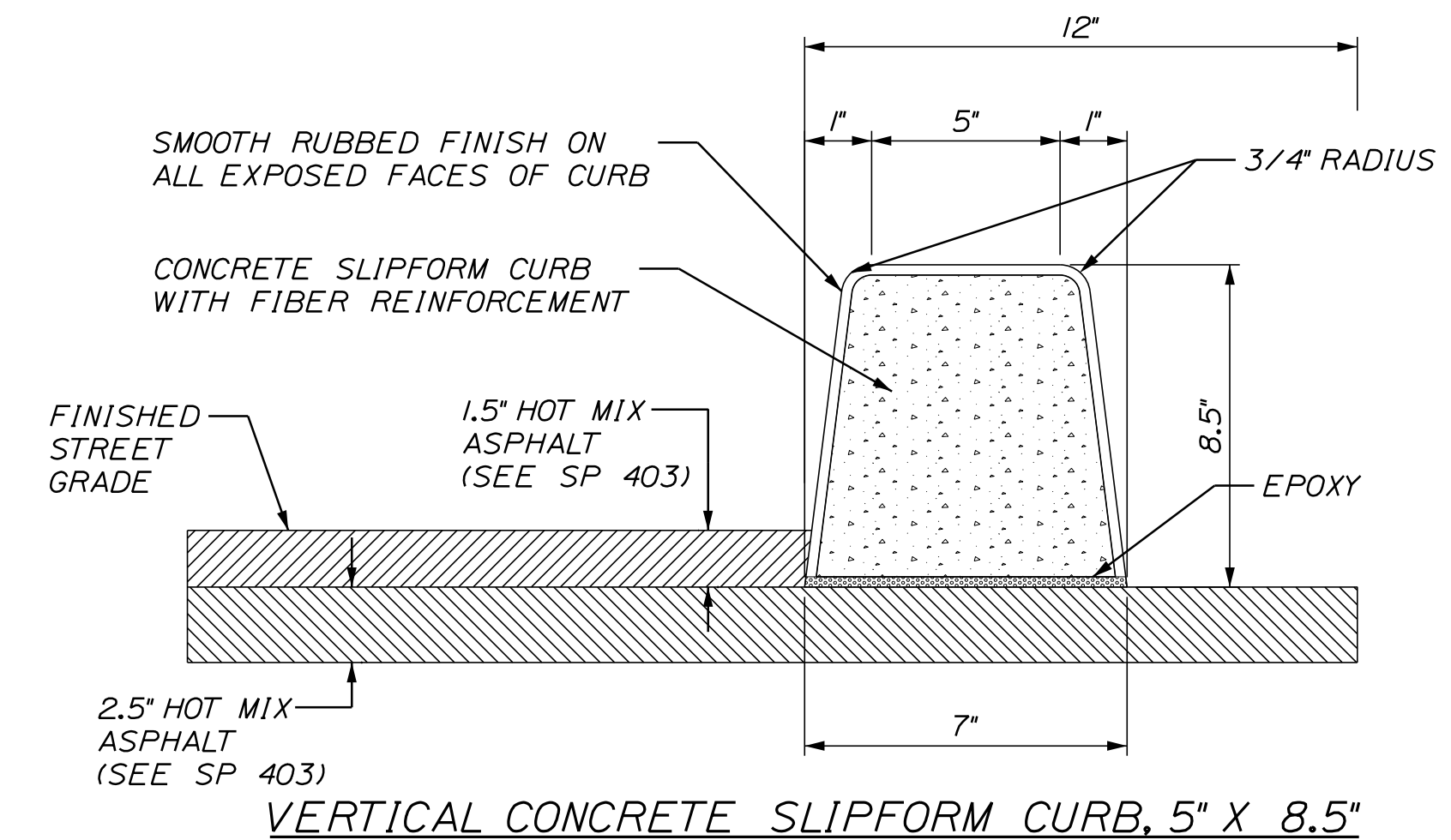


- REINFORCED CONCRETE SIDEWALK NOTES:**
1. PERPENDICULAR EXPANSION JOINTS SHALL BE CUT INTO THE CONCRETE SIDEWALK EVERY 5 FEET ON CENTER. EXPANSION BOARD JOINTS SHALL OCCUR EVERY 30 FEET.
 2. CONCRETE SIDEWALKS SHALL BE REINFORCED WITH FIBER AND NOT STEEL REBAR OR WOVEN WIRE FABRIC.

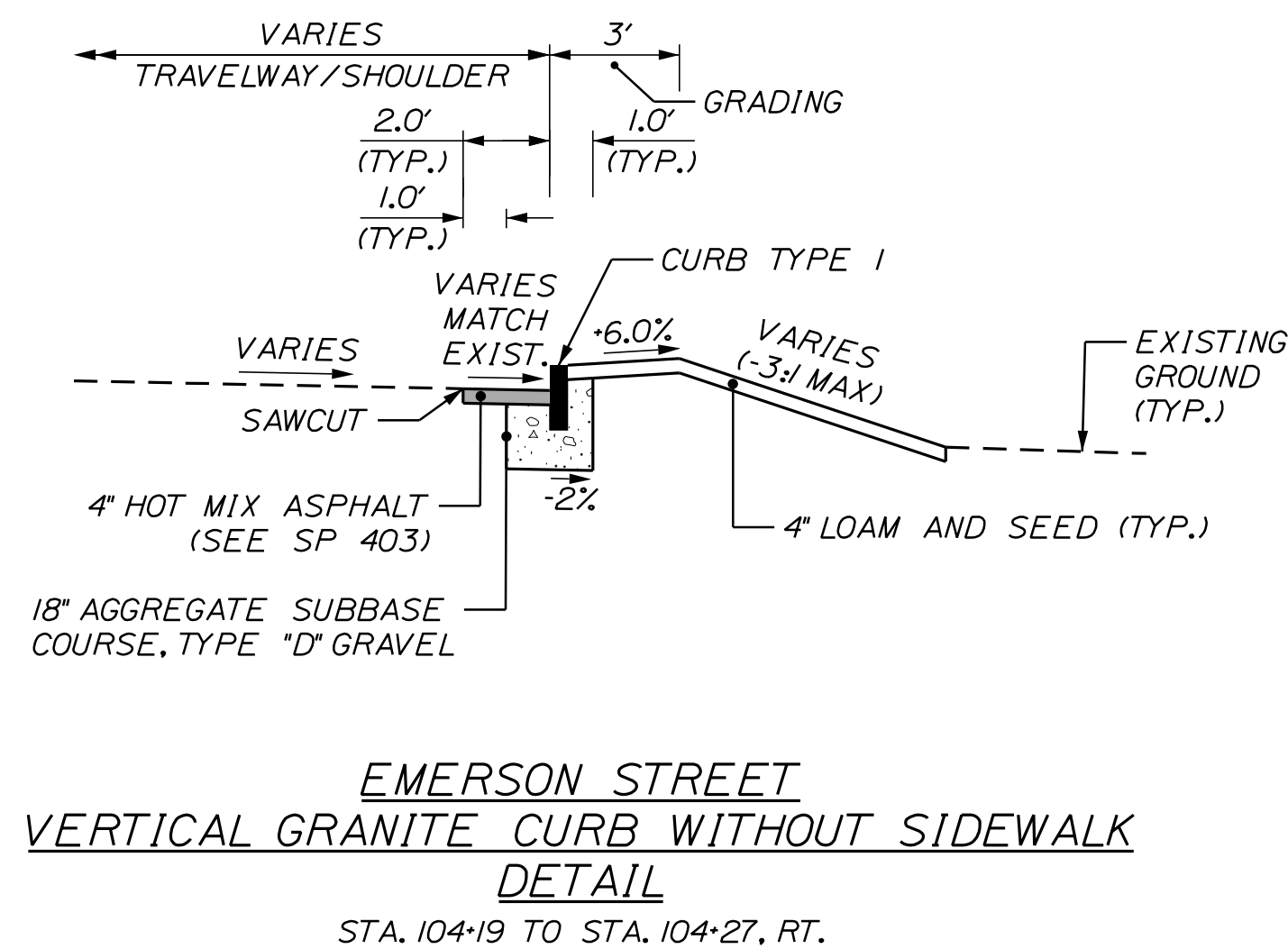


** CONCRETE SIDEWALKS SHALL BE REINFORCED WITH FIBER AND NOT STEEL REBAR OR WOVEN WIRE FABRIC

**EMERSON STREET
CONCRETE SLIPFORM CURB
WITH CONCRETE SIDEWALK
DETAIL**
STA. 104+06 TO STA. 104+32, LT.



- VERTICAL CONCRETE SLIPFORM CURB NOTES:**
1. SEE MAINE DOT STANDARD DETAIL 609(10) FOR TERMINAL SECTION EXCAVATION DETAIL REQUIREMENTS TO ANCHOR CURB TERMINAL.
 2. TRANSITION LENGTHS FOR THE SIDEWALKS (6' WIDE OR LESS) ARE EIGHT (8) FEET LONG TYPICALLY. FOR ADDITIONAL INFORMATION REGARDING TIPDOWN LENGTHS SEE CURBING PLANS.



**EMERSON STREET
VERTICAL GRANITE CURB WITHOUT SIDEWALK
DETAIL**
STA. 104+19 TO STA. 104+27, RT.

Date: 9/26/2025

Username: Mike.Cundiff

Division: HIGHWAY

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919 MAIN STREET
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PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09/25
CHECKED-REVIEWED	J. WIMPEBACH	D. LETTINGER	09/25
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

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PARKING FACILITY

DETAILS SHEET

SHEET NUMBER

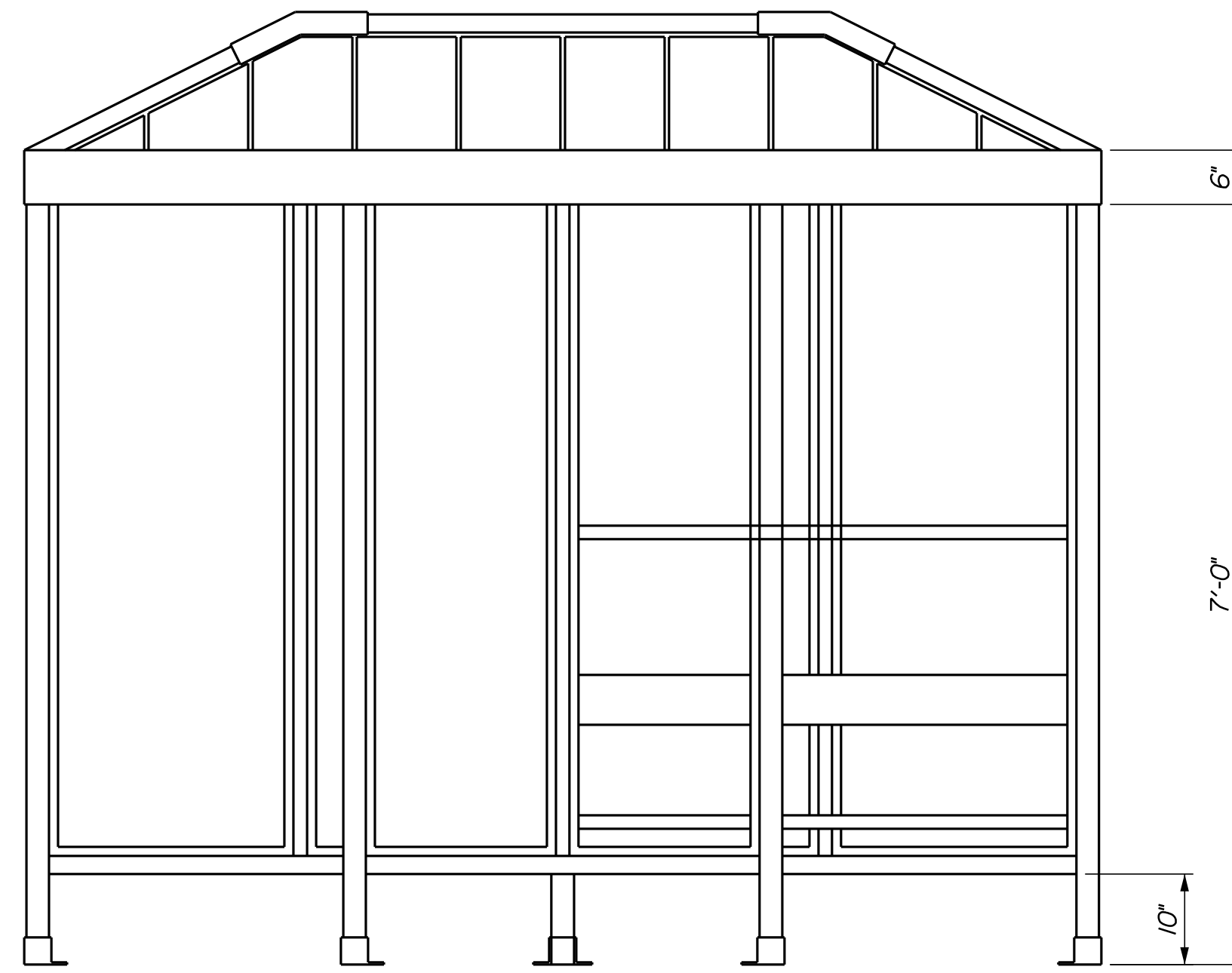
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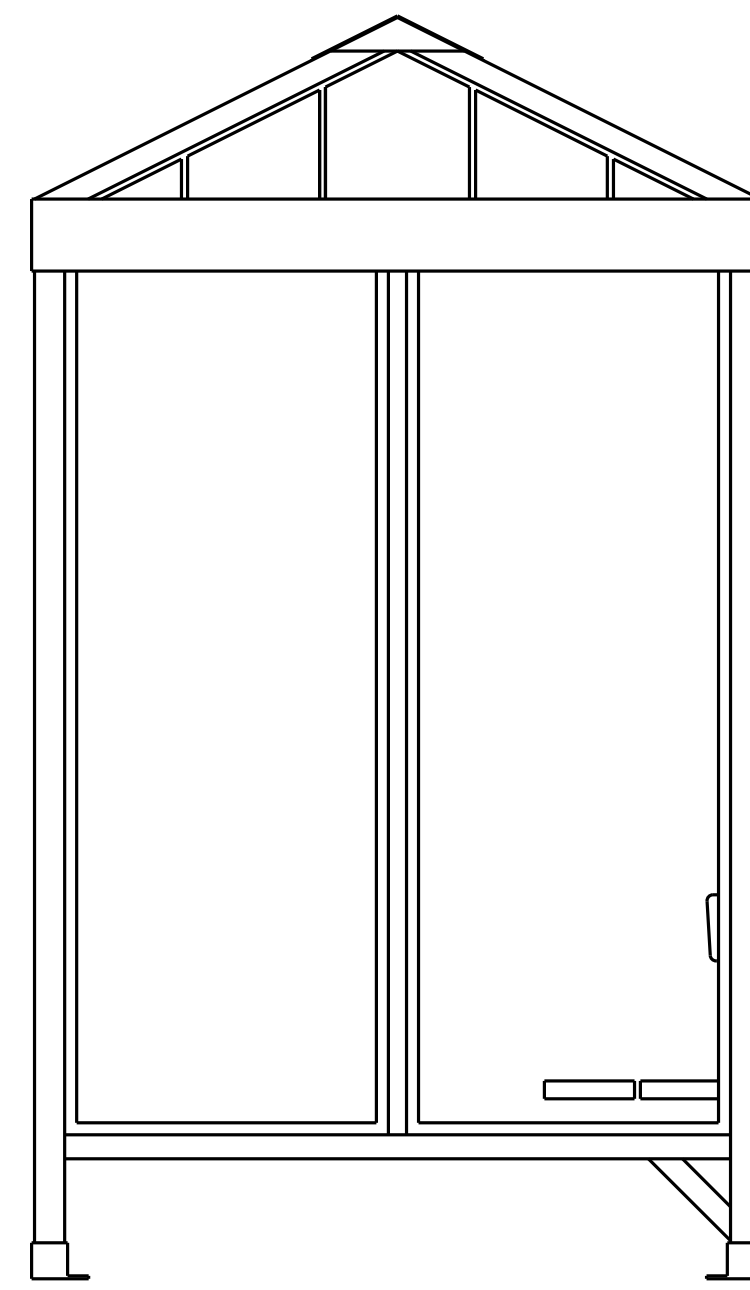


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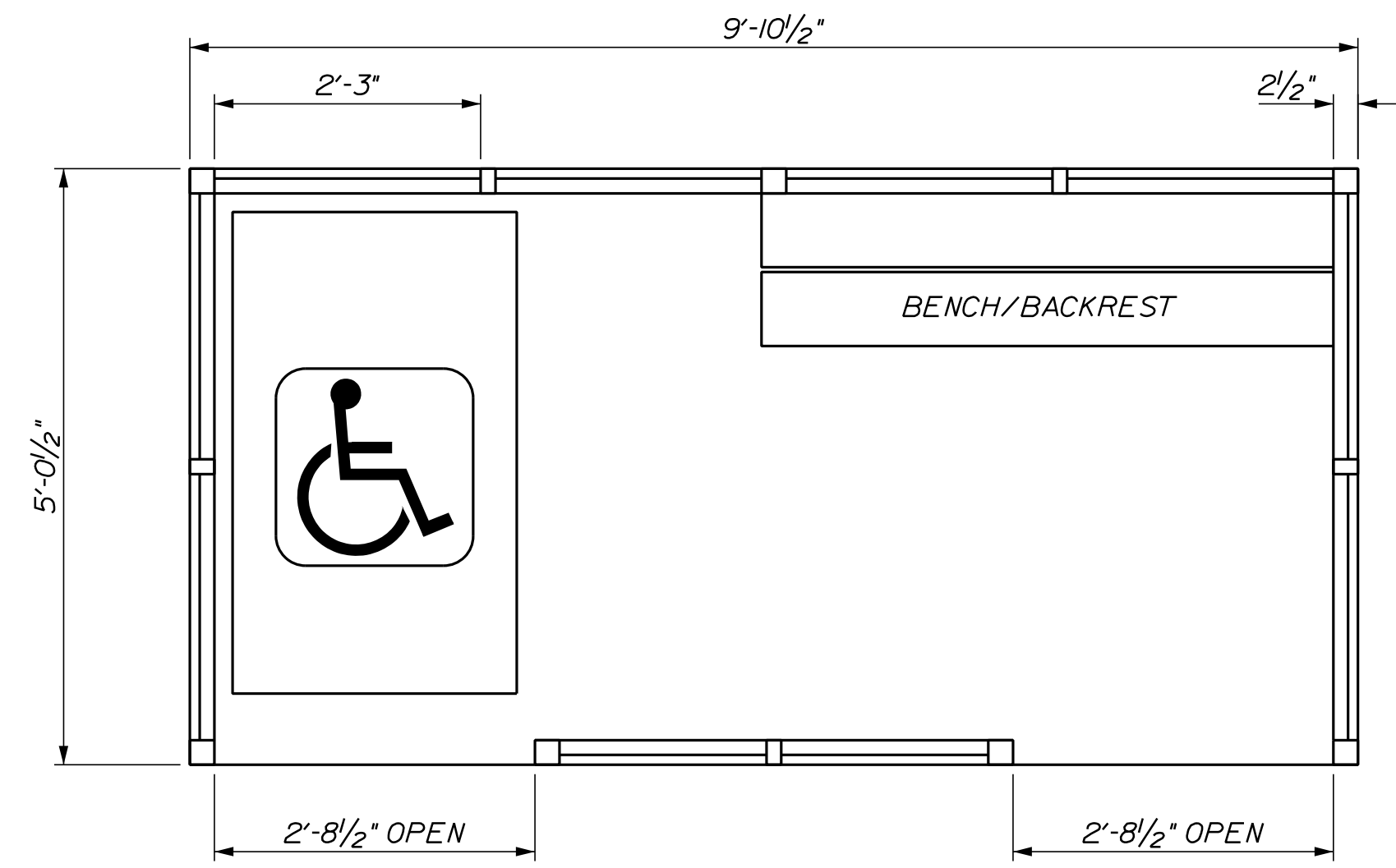
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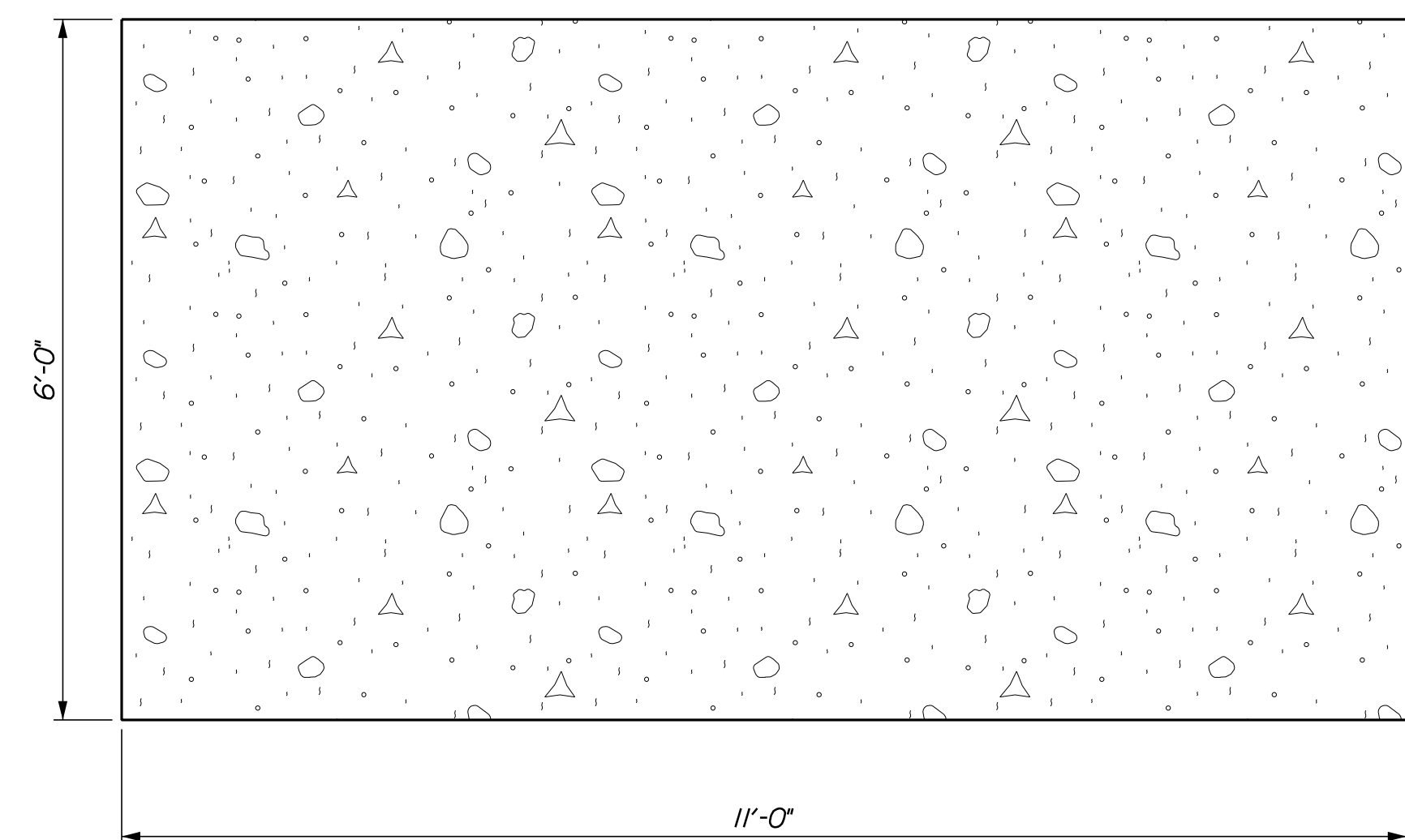
5' X 10' SHELTER DETAIL - FRONT ELEVATION



5' X 10' SHELTER DETAIL - SIDE ELEVATION



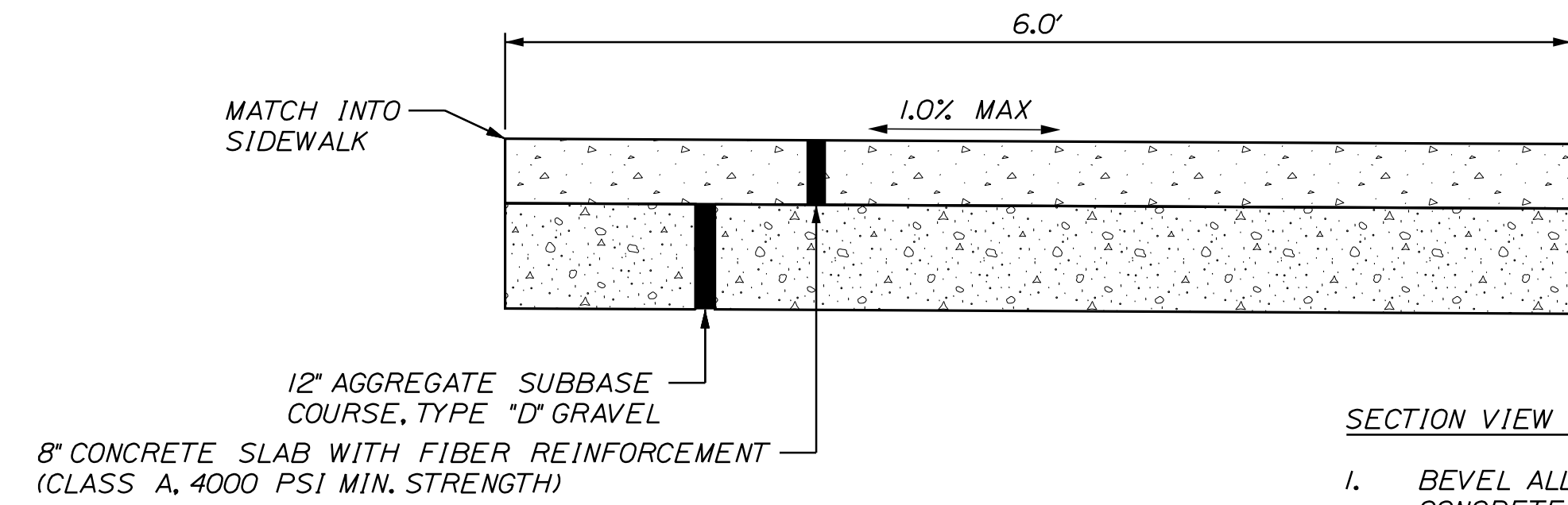
5' X 10' SHELTER DETAIL - PLAN VIEW



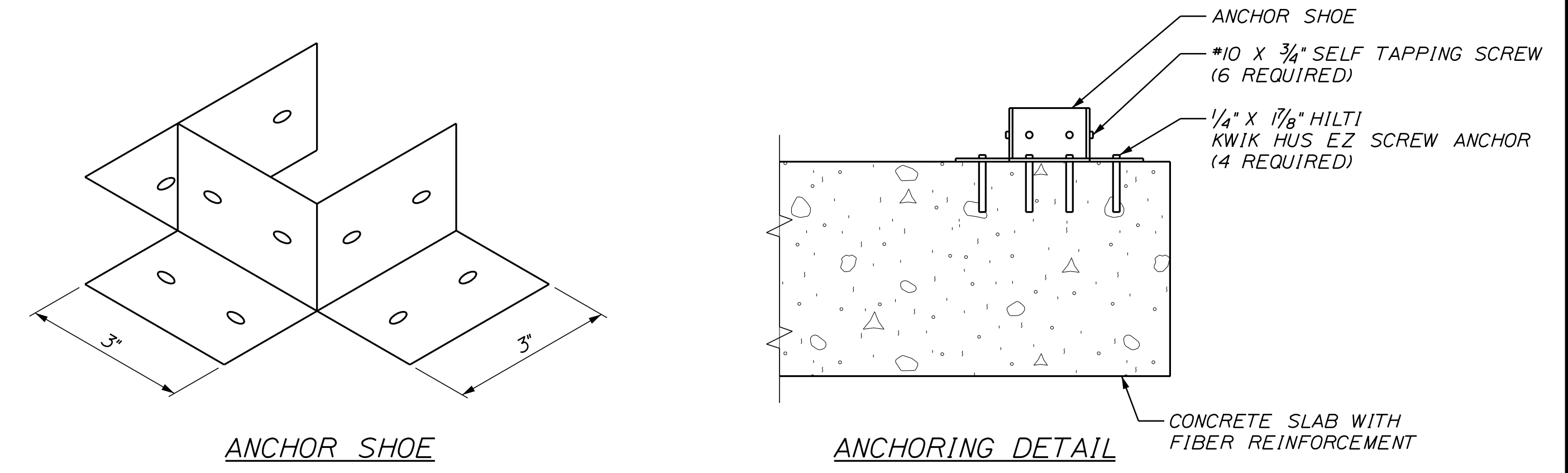
6' X 11' SHELTER PAD DETAIL - PLAN VIEW

GENERAL SHELTER SPECIFICATIONS:

- A. GENERAL: UNASSEMBLED MODULAR SHELTER IS FABRICATED FROM LOW MAINTENANCE, LIGHTWEIGHT CORROSIVE RESISTANT ALUMINUM (FACTORY FABRICATED). SITE ASSEMBLY REQUIRED.
- 1. DIMENSIONS: 5'-0" WIDE X 10'-0" LONG, 87 1/2" NOMINAL EXTERIOR HEIGHT AND 83" INTERIOR CEILING HEIGHT.
- 2. FRAME: PROVIDE STRUCTURAL FRAMING OF 6063-T6 ALUMINUM ALLOY EXTRUSIONS WITH QUAKER BRONZE FINISH. FRAMING ASSEMBLED USING INTERNALLY LOCATED MECHANICAL FASTENERS. EXPOSED FASTENERS ON FRAMING SYSTEM ARE NOT ACCEPTABLE. STANDARD 7 3/4" VENTILATION SPACE AT BOTTOM OF UNIT.
- 3. ROOF/CEILING: ROOF SHALL BE CONSTRUCTED USING GALVANIZED 20 GAUGE, G-60 INTERLOCKING PAN SECTIONS. SECTIONS ARE 3" HIGH VARYING WIDTHS. ROOF DRAINS INTO FULL PERIMETER GUTTER SYSTEM WITH DRAIN HOLES. INTERIOR CEILING SHALL BE A PANEL SYSTEM PROVIDING SMOOTH FLAT INTERIOR, CONSTRUCTED FROM 20 GAUGE PREFINISHED WHITE STEEL ABLE TO SUPPORT OPTIONAL LIGHTING OR HEATING FIXTURES.
- 4. WINDOWS: FIXED WINDOWS ARE SINGLE PANE 1/4" MINIMUM CLEAR TEMPERED SAFETY GLASS. GLAZED WITHIN WALL SYSTEM EXTRUSIONS AND NOT FASTENED TO EXTERIOR WALL. GLASS SEALED WITH CONCEALED GASKET SYSTEM.
- 5. ANCHORING: SHELTER INSTALLATION REQUIRES CONCRETE PAD TO BE 12" MINIMUM LARGER THAN SHELTER IN BOTH LENGTH AND WIDTH DIMENSIONS. PAD MUST BE LEVEL WITHIN 1/2" OVER LENGTH AND WIDTH OF STRUCTURE. SHELTER TO BE ANCHORED TO PAD USING HEIGHT ADJUSTABLE ALUMINUM SHOE AND ANCHORED DOWN USING 1/4" X 1 7/8" HILTI KWIK HUS-EZ SCREW ANCHORS.



SHELTER PAD DETAIL - SECTION VIEW (CONCRETE SURFACE)



ANCHOR SHOE

ANCHORING DETAIL

PROJ. MANAGER	DATE	BY	M. HILL	DATE
DESIGN-DETAILED	09/25	T. WARREN	M. CUNDIFF	09/25
CHECKED-REVIEWED		J. WARBACH	D. ETTINGER	
DESIGN-DETAILED				
DESIGN-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

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BUS SHELTER
DETAILS SHEET

SHEET NUMBER

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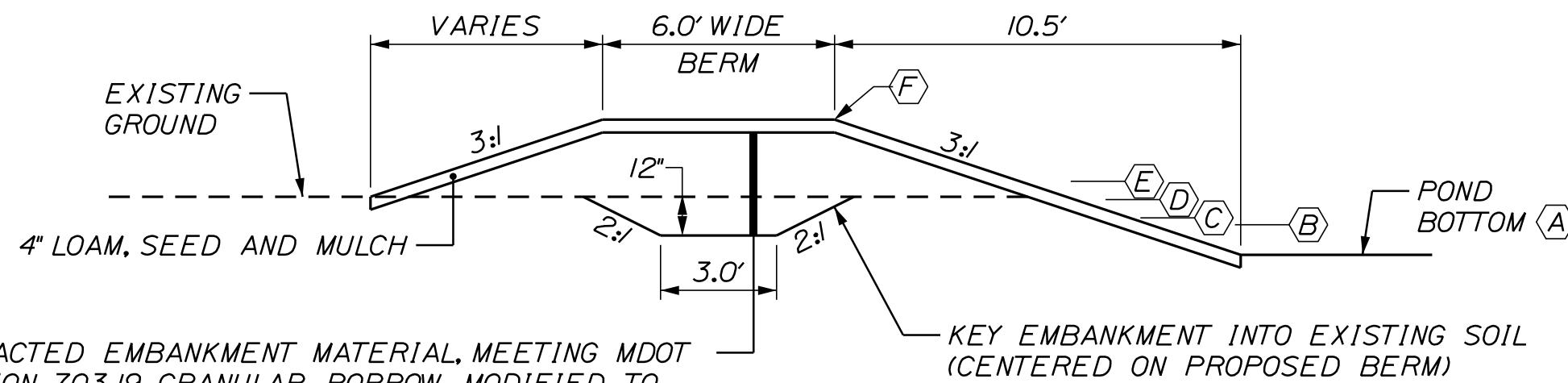


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NOTES:

- EMBANKMENT FOOTPRINT SHALL BE CLEARED OF TRASH/DEBRIS AND ANY ROCKS GREATER THAN 6". BE FREE OF ANY STANDING WATER, BE GRADED TO BE NO STEEPER THAN 1H:1V, BE SCARIFIED PRIOR TO EMBANKMENT FILL PLACEMENT, AND BE INSPECTED AND APPROVED BY THE INSPECTOR BEFORE FILL PLACEMENT BEGINS.



COMPACTED EMBANKMENT MATERIAL, MEETING MDOT SECTION 703.19 GRANULAR BORROW MODIFIED TO HAVE 100% PASSING THE 6" SIEVE. (COMPACTED TO 95% OF MODIFIED PROCTOR). SUBMIT EMBANKMENT MATERIAL GRADATION TO THE INSPECTOR PRIOR TO CONSTRUCTING EMBANKMENT.

BERM CONSTRUCTION

SCHEDULE B - EMBANKMENT SCHEDULE	
ITEM DESCRIPTION	DIMENSION/ELEVATION
A POND BOTTOM ELEVATION	294.00
B PEAK ELEVATION - CHANNEL PROTECTION VOLUME	294.78
C PEAK ELEVATION - 2 YEAR STORM	294.96
D PEAK ELEVATION - 10 YEAR STORM	295.43
E PEAK ELEVATION - 25 YEAR STORM	295.90
F TOP OF BERM	297.50

TYPICAL POND ELEVATIONS

TABLE 1 LOAMY COARSE SAND	
SIEVE SIZE	% PASSING BY WEIGHT
#10	85-100
*20	70-100
*60	15-40
*200	8-15
*200 CLAY SIZE	<2.0

TABLE 2 MEDOT SPECIFICATIONS FOR UNDERDRAIN TYPE B (MEDOT #703.22)	
SIEVE SIZE	% PASSING BY WEIGHT
1"	95-100
1/2"	75-100
*4	50-100
*20	15-80
*50	0-15
*200	0-5

TABLE 3 SANDY LOAM TOPSOIL	
SIEVE SIZE	% PASSING BY WEIGHT
*4	75-95
*10	60-90
*40	35-85
*200	20-70
*200 CLAY SIZE	<2.0

UNDERDRAINED SOIL FILTER NOTES:

SOIL SPECIFICATIONS:

- THE SOIL FILTER MEDIA SHALL BE ONE OF THE FOLLOWING OPTIONS CONSISTING OF THE FOLLOWING FROM THE BOTTOM:

OPTION 1 - SOIL FILTER MEDIA

SOIL FILTER MEDIA CONSISTS OF A SILTY SAND SOIL OR SOIL MIXTURE COMBINED WITH A MATURE, MODERATELY FINE SHREDDED BARK OR WOOD FIBER MULCH 20% TO 25% BY VOLUME (NO LESS THAN 10% BY DRY WEIGHT). THE RESULTING MIXTURE SHOULD HAVE 8% TO 12% PASSING THE NO. 200 SIEVE AND A CLAY CONTENT OF LESS THAN 2%. THE PROPORTIONS OF THE MIXTURE CAN BE ADJUSTED SO IT WILL CONTAIN SUFFICIENT FINES AND ORGANIC MATTER. THE FOLLOWING IS AN EXAMPLE MIXTURE:

- 50% SAND.
- 20% SANDY LOAM TO FINE SANDY LOAM, SEE TABLE 3.
- 30% MATURE COMPOSTED WOOD FIBERS AND FINE SHREDDED BARK, SUPERHUMUS OR EQUIVALENT.

OPTION 2 - LAYERED SYSTEM WITH TOPSOIL

- 12" OF LOAMY COARSE SAND, SEE TABLE 1.
- LAYER OF TOPSOIL (SEE "C" BELOW) ROTOTILLED INTO THE TOP 2" OF THE LOAMY COARSE SAND LAYER.
- 6" OF NON-CLAYEY, LOAMY TOPSOIL SUCH AS USDA SANDY LOAM TOPSOIL WITH 5-8% HUMIFIED ORGANIC MATTER. SUPERHUMUS OR EQUIVALENT MAY BE ADDED TO THE TOPSOIL TO INCREASE ORGANIC CONTENT, SEE TABLE 3.

SUBMITTALS:

- SUBMIT RESULTS OF FIELD AND LABORATORY TESTING TO INSPECTOR.
- SUBMIT 75 LB. SAMPLE OF EACH TYPE OF MATERIAL; SUBMIT IN AIR TIGHT CONTAINERS TO SOIL TESTING FACILITY.
- THE FOLLOWING MATERIAL SHALL BE SUBMITTED:
 - IF OPTION 1 IS USED:
 - SOIL MIXTURE.
 - UNDERDRAIN BEDDING MATERIAL.
 - IF OPTION 2 IS USED:
 - LOAMY COARSE SAND.
 - SANDY LOAM TOPSOIL.
 - UNDERDRAIN BEDDING MATERIAL.
- PERFORM A SIEVE ANALYSIS CONFORMING TO ASTM C136 - STANDARD TEST METHOD FOR SIEVE ANALYSIS OF FINE AND COARSE AGGREGATES; 1996a ON EACH TYPE OF THE SAMPLE MATERIAL AND SUBMIT RESULTS TO INSPECTOR.
- PERFORM A PERMEABILITY TEST ON THE SOIL FILTER MEDIA MIXTURE CONFORMING TO ASTM D2434 WITH THE MIXTURE COMPACTED TO 90% TO 92% OF MAXIMUM DRY DENSITY BASED ON ASTM D698. SUBMIT RESULTS TO THE INSPECTOR.
- PERFORM ONE COMPACTION DENSITY TEST ON THE IN PLACE SOIL FILTER FOR EVERY 2,000 SQUARE FEET OF FILTER SURFACE AREA. TEST SHALL CONFORM TO ASTM D 2922 - STANDARD TEST METHODS FOR DENSITY OF SOIL AND SOIL-AGGREGATE IN PLACE BY NUCLEAR METHODS (SHALLOW DEPTH); 1996. SUBMIT RESULTS TO THE INSPECTOR.
- PERFORM HYDROMETER TEST TO DETERMINE CLAY CONTENT.

CONSTRUCTION:

- SOIL FILTER MEDIA AND UNDERDRAIN BEDDING MATERIAL SHALL BE COMPACTED TO BETWEEN 90% AND 92% STANDARD PROCTOR.
- PERFORATED UNDERDRAIN PIPE SHALL BE 4" SLOTTED PIPE, SPACED 15 FEET ON CENTER MAXIMUM.
- TRIBUTARY AREAS SHALL BE STABILIZED PRIOR TO INSTALLATION OF THE SOIL FILTER MEDIA MIXTURE AND UNDERDRAIN. STABILIZED IS DEFINED AS PAVED IF IN A PARKING AREA OR ROADWAY, AND 90% GRASS CATCH IF IN A VEGETATED AREA.
- OUTFLOW OF THE VEGETATED UNDERDRAIN SHALL BE CONTROLLED BY A 4" DUCTILE IRON GATE VALVE WITH VALVE WRENCH AND EXTENSION (AVAILABLE FROM E.J. PRESCOTT OR EQUIVALENT). A THREE PIECE VALVE BOX (AVAILABLE FROM E.J. PRESCOTT OR EQUIVALENT) SHALL BE INSTALLED OVER THE VALVE.
- ALL EQUIPMENT USED WITHIN THE LIMITS OF THE VEGETATED UNDERDRAIN SHALL BE LOW GROUND PRESSURE VEHICLES (LESS THAN 2.0 PSI) WHEN FULLY LOADED.
- UPON COMPLETION OF THE INSTALLATION OF THE SOIL FILTER MEDIA AND THE ESTABLISHMENT OF A 90% CATCH OF GRASS OVER THE FILTER MEDIA, THE CONTRACTOR SHALL FLOOD THE VEGETATED UNDERDRAIN TO THE DESIGN ELEVATION WITH CLEAN WATER ADJUST THE VALVE TO OBTAIN 24 HOUR TO 32 HOUR RELEASE TIME.

CONSTRUCTION OVERSIGHT:

INSPECTION OF THE FILTER BASIN SHALL BE PROVIDED FOR EACH PHASE OF CONSTRUCTION BY THE INSPECTOR WITH REQUIRED REPORTING TO THE DEP. AT A MINIMUM, INSPECTIONS WILL OCCUR:

- AFTER PRELIMINARY CONSTRUCTION OF THE FILTER GRADES AND ONCE THE UNDERDRAIN PIPES ARE INSTALLED BUT NOT BACKFILLED.
- AFTER THE DRAINAGE LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE FILTER MEDIA.
- AFTER THE FILTER MEDIA HAS BEEN INSTALLED AND SEEDED.
- AFTER ONE YEAR TO INSPECT HEALTH OF THE VEGETATION AND MAKE CORRECTIONS.
- ALL MATERIAL USED FOR THE CONSTRUCTION OF THE FILTER BASIN WILL BE APPROVED BY THE INSPECTOR AFTER TESTS BY A CERTIFIED LABORATORY SHOW THAT THEY ARE PASSING DEP SPECIFICATIONS.

NOTE:

- CONTRACTOR SHALL NOTIFY INSPECTOR 48 HOURS PRIOR TO THE MILESTONES LISTED ABOVE TO ALLOW FOR INSPECTION.

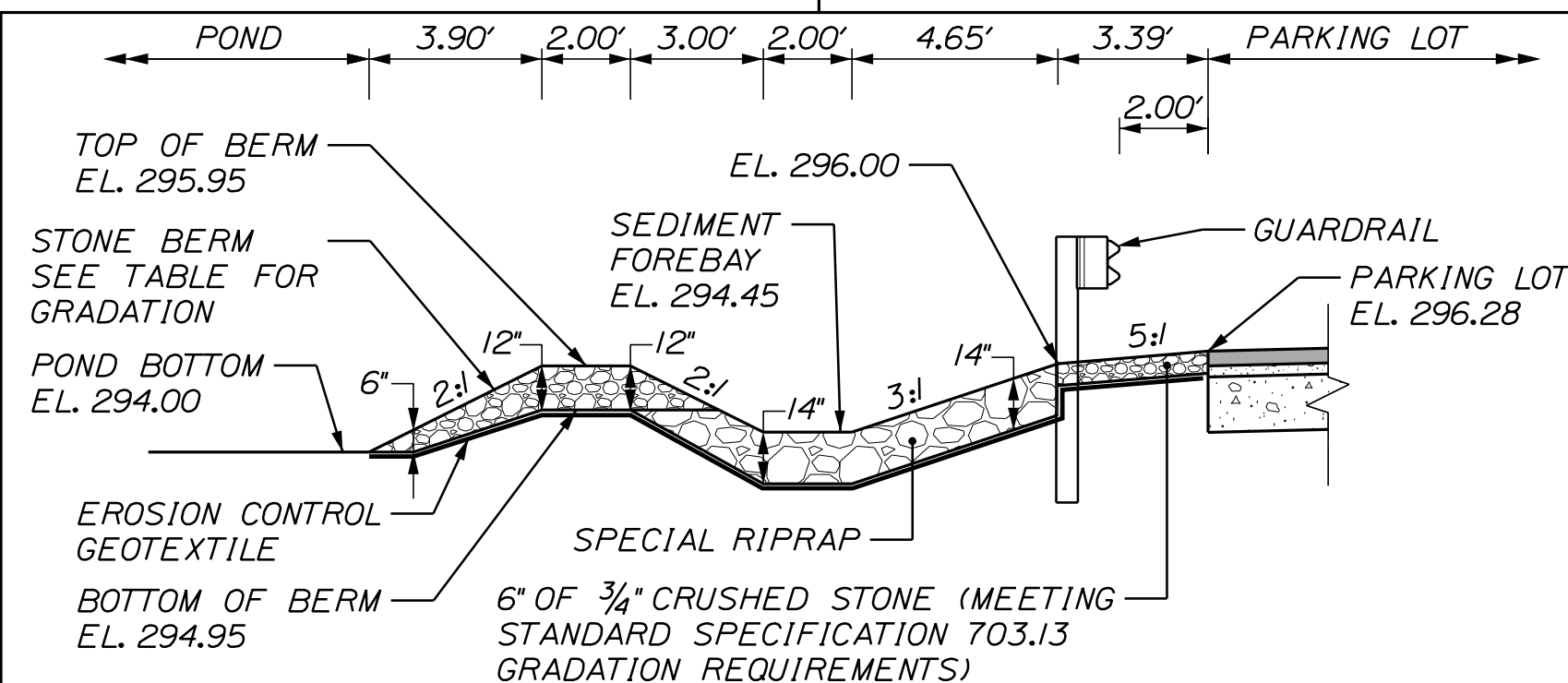
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NOTES:

- OUTFLOW OF THE UNDERDRAINED SOIL FILTER SHALL BE CONTROLLED BY A THREE PIECE VALVE BOX (AVAILABLE FROM E.J. PRESCOTT OR EQUIVALENT) SHALL BE INSTALLED OVER THE VALVE.
- UPON STABILIZATION OF THE UNDERDRAINED SOIL FILTER, CONSTRUCTION OF A STABILIZED OUTLET, AND APPROVAL BY THE PROJECT ENGINEER, THE CONTRACTOR SHALL FLOOD THE POND WITH CLEAN WATER TO THE CHANNEL PROTECTION ELEVATION, 294.78 AND ADJUST THE VALVE TO OBTAIN A 24 TO 48 HOUR RELEASE TIME. THE FLOW FROM THE UNDERDRAIN SHOULD BE APPROXIMATELY 0.02 CFS.
- CONTRACTOR SHALL PROVIDE VALVE WRENCH AND HANDLE EXTENSION TO OWNER UPON COMPLETION OF THE UNDERDRAINED SOIL FILTER.

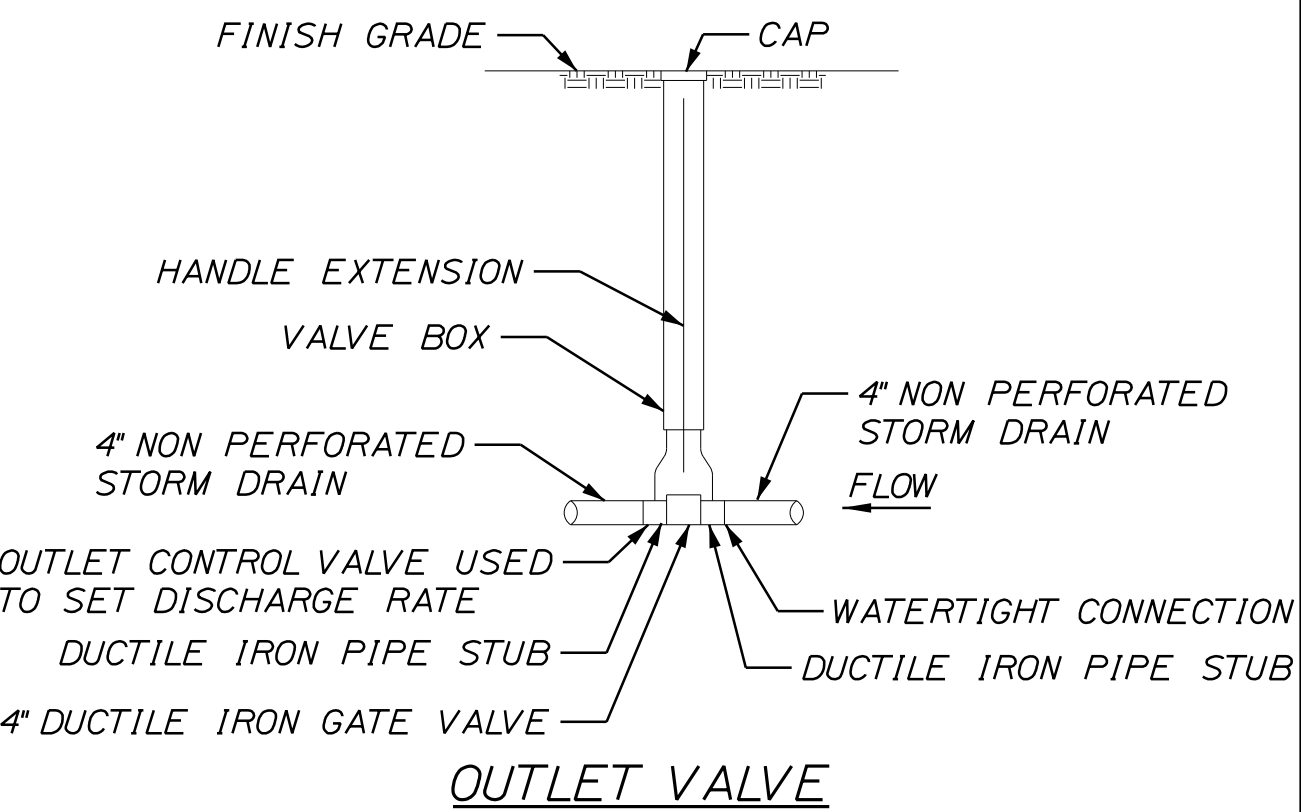


SEDIMENT FOREBAY

BERM STONE SIZE	
SIEVE DESIGNATION (US CUSTOMARY)	PERCENT BY WEIGHT PASSING
12 IN	100
6 IN	84-100
3 IN	68-83
1 IN	42-55
NO. 4	8-12

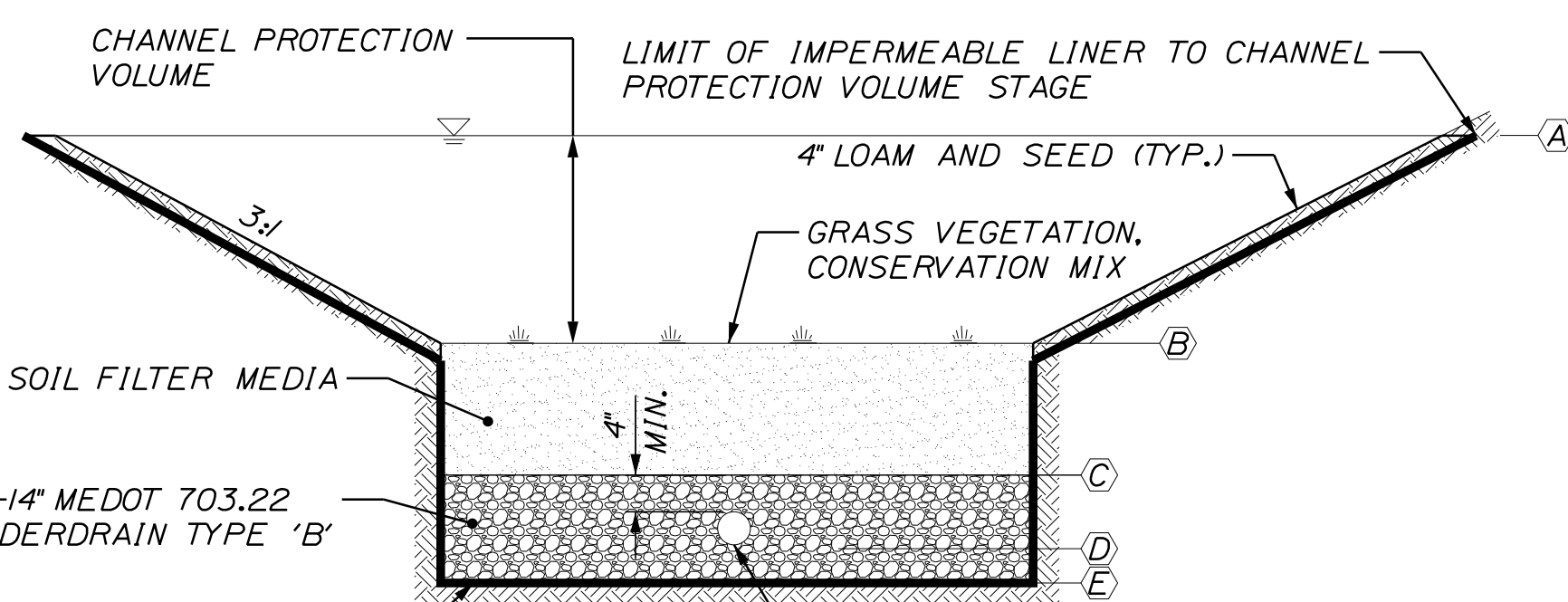
SCHEDULE A

ITEM DESCRIPTION	GRASSED UNDERDRAIN DIMENSION/ELEVATION
A CHANNEL PROTECTION VOLUME STAGE	294.78
B TOP SOIL FILTER	294.00
C TOP UNDERDRAIN BEDDING STONE	292.50
D PIPE INVERT: 4" PERF. UD	291.80
E BOTTOM UNDERDRAIN BEDDING	291.50



OUTLET VALVE

GRASS VEGETATION	
CREeping RED FESCUE	20 LBS/ACRE
TALL FESCUE	20 LBS/ACRE
BIRD'SFOOT TREEFOIL	8 LBS/ACRE



GRASSED UNDERDRAINED SOIL FILTER DETAIL

SEE UNDERDRAINED SOIL FILTER NOTES

30 MIL. LINEAR LOW DENSITY POLYETHYLENE LINER INSTALLED PER MANUFACTURER'S SPECIFICATIONS (BOTTOM AND SIDES)

4" SLOTTED UNDERDRAIN PIPE (15' ON-CENTER MAX. SPACING), SEE GRADING AND DRAINAGE PLAN FOR LAYOUT

Date: 9/26/2025

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \005_SpecialDetails02.dgn

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SANFORD
EMERSON STREET
PARKING FACILITY

SOIL FILTER DETAILS SHEET

SHEET NUMBER

5

OF 11



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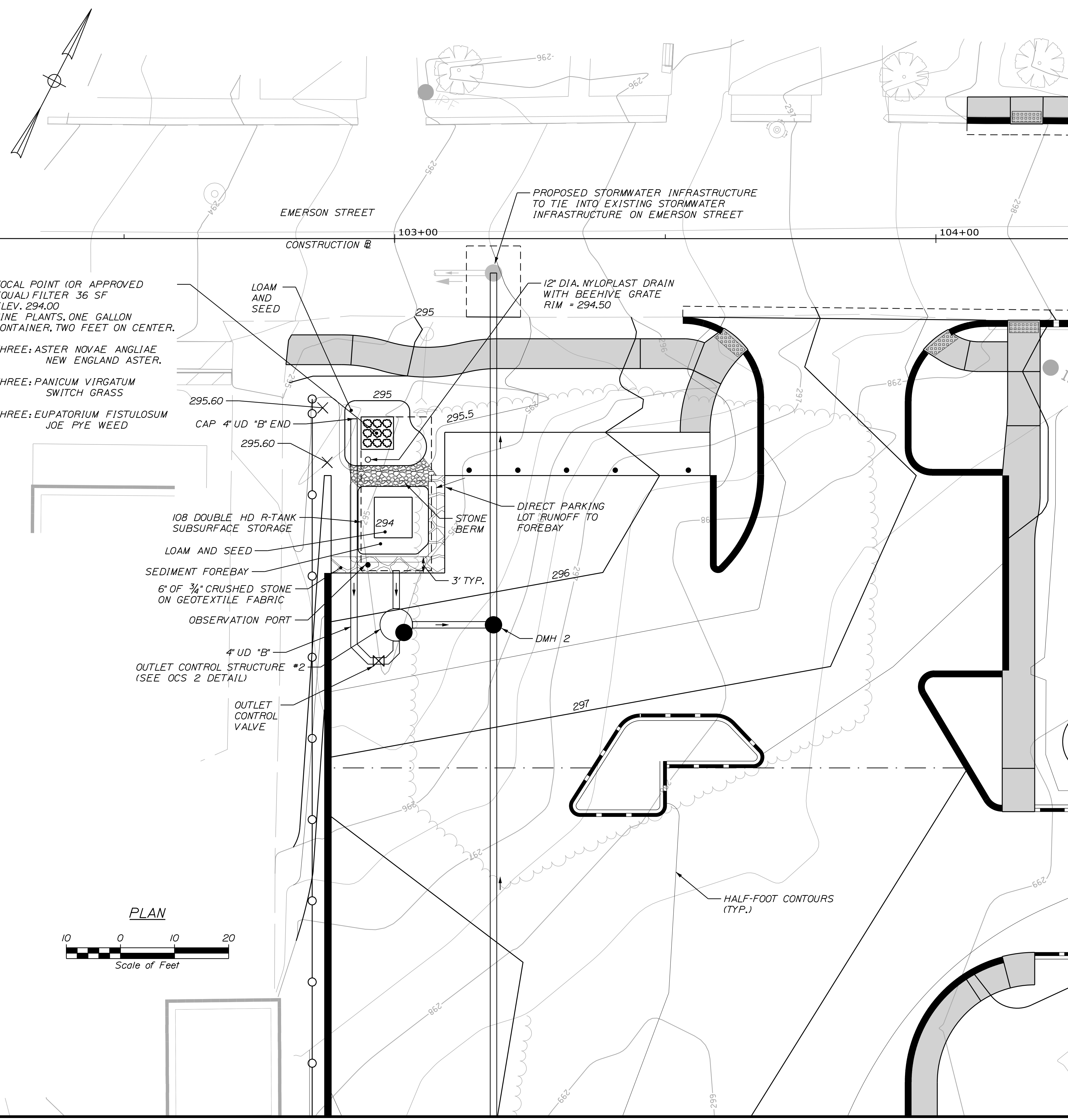
Date: 9/26/2025

Username: Mike.Cundiff

Division: HIGHWAY

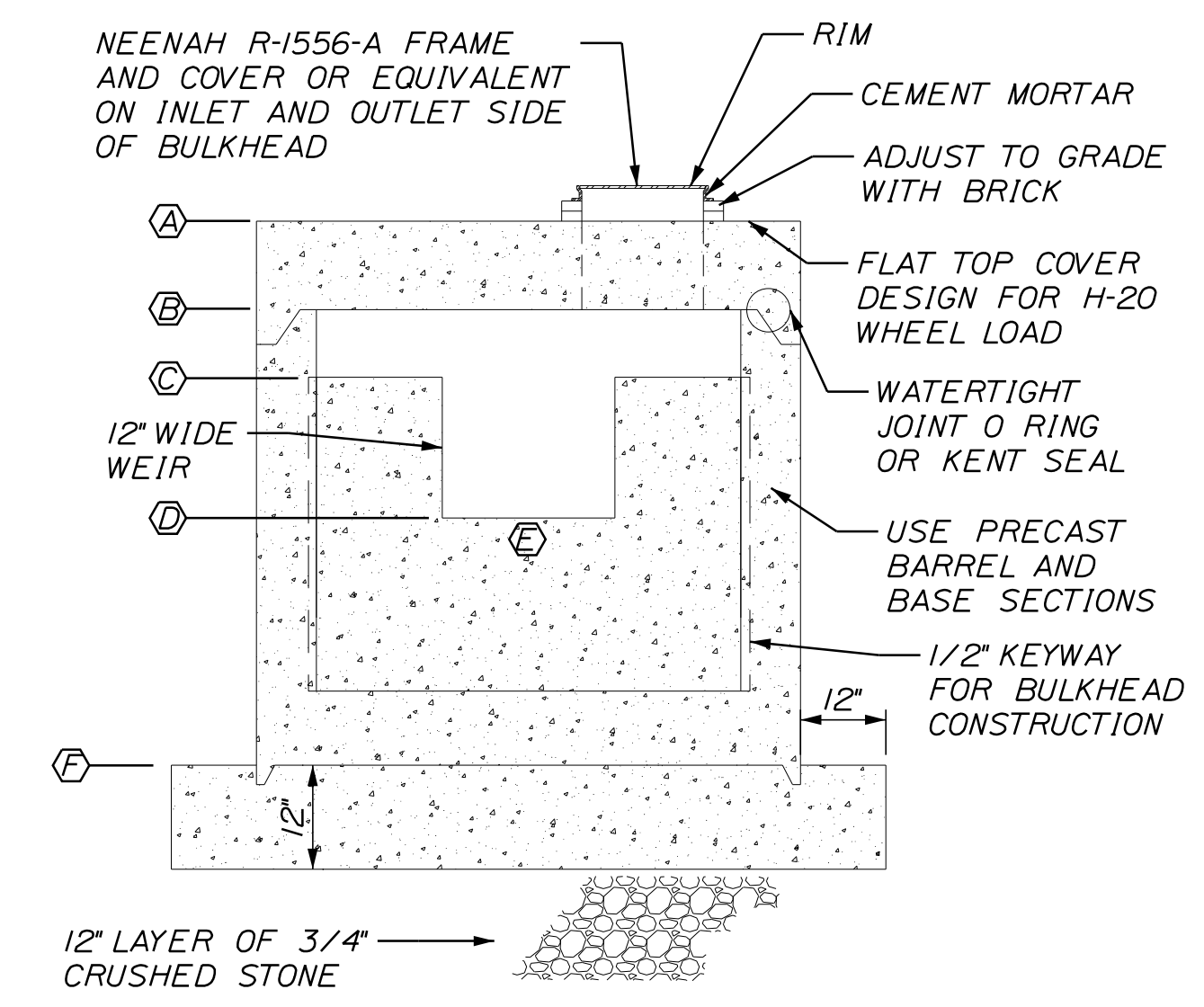
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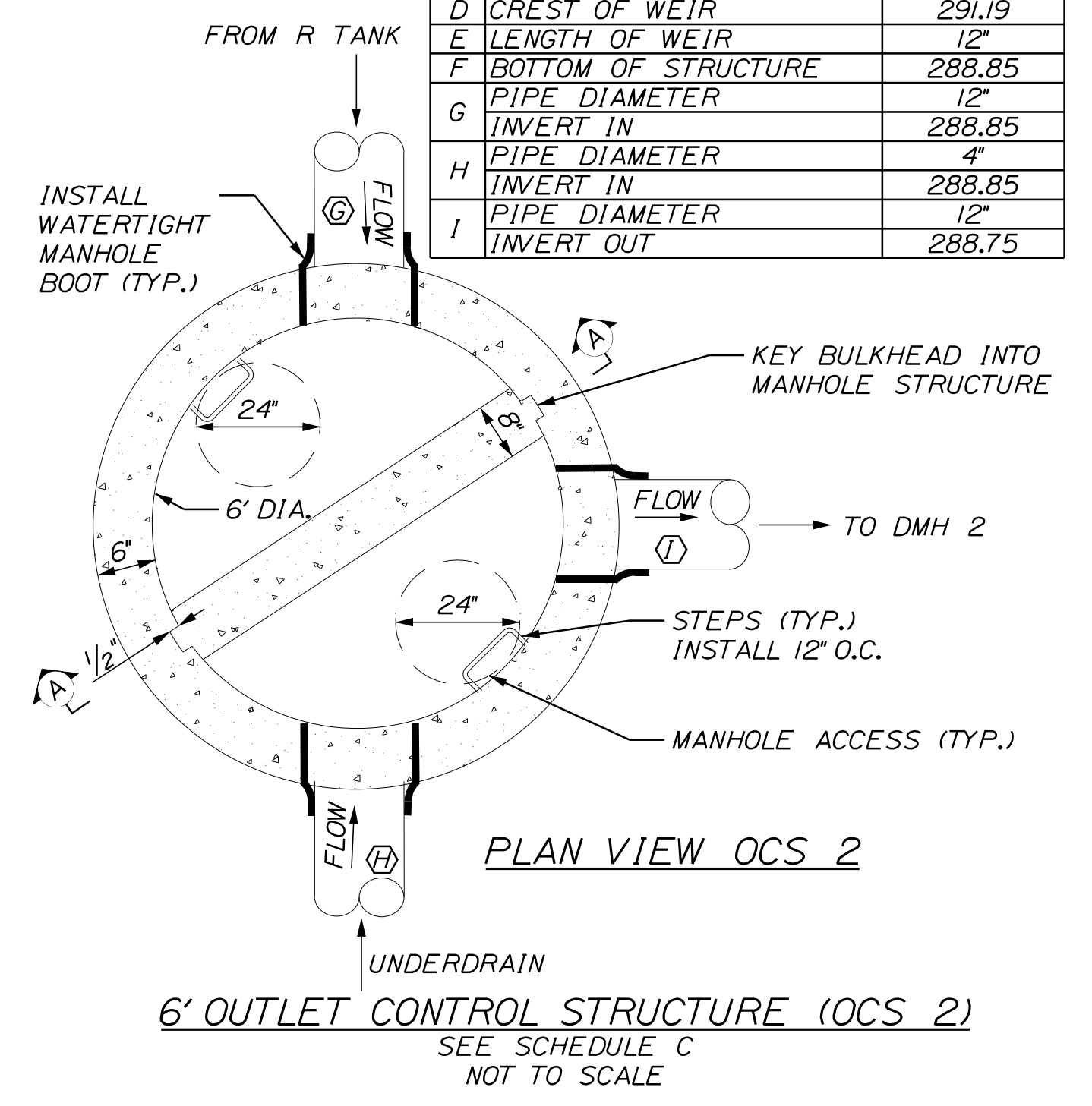
CONSTRUCTION OVERSIGHT:

1. THE FOCAL POINT SYSTEM (OR APPROVED EQUAL) SHALL BE INSTALLED UNDER THE SUPERVISION OF A MANUFACTURERS REPRESENTATIVE.
 2. ALL PLANT MATERIAL SHALL BE APPROVED BY THE MANUFACTURERS REPRESENTATIVE.
 3. CONTRACTOR SHALL FLOOD CHAMBER TO ELEVATION OF WATER QUALITY VOLUME, 291.19, WITH OUTLET VALVE CLOSED, AND THEN OPEN OUTLET VALVE TO ACHIEVE A 24-48 HOUR RELEASE RATE.
- NOTES:**
1. FOCAL POINT (OR APPROVED EQUAL) SHALL BE PLANTED WITH APPROVED PLANTINGS SPACED 24" ON CENTER.
 2. LANDSCAPING SUBSTITUTIONS SHALL BE APPROVED BY THE ENGINEER.
 3. ALL FOCAL POINT (OR APPROVED EQUAL) MATERIAL SHALL BE PROVIDED BY THE MANUFACTURER. PLANT MATERIAL IS SUPPLIED BY GENERAL CONTRACTOR.
 4. INSTALL SYSTEM PER MANUFACTURERS SPECIFICATIONS.



SCHEDULE C

ITEM DESCRIPTION	DIMENSION/ ELEVATION
	OCS 2
A TOP OF STRUCTURE	295.41
B UNDERSIDE TOP SLAB	294.74
C TOP CONCRETE BULKHEAD	292.00
D CREST OF WEIR	291.19
E LENGTH OF WEIR	12"
F BOTTOM OF STRUCTURE	288.85
G PIPE DIAMETER	12"
H INVERT IN	288.85
I PIPE DIAMETER	4"
	288.85
	12"
	288.75



**SANFORD
EMERSON STREET
PARKING FACILITY
STORMWATER FILTER
DETAIL SHEETS**

PROJ. MANAGER	M. HILL	BY	J. ATTANASE	DATE	09/25	SIGNATURE	
CHECKED/REVIEWED	J. ATTANASE	DATE	09/25				
DESIGN/REVIEWED	M. CUNDIFF	DATE	09/25				
DESIGN/REVIEWED	W. HASKELL	DATE	09/25				
REVISIONS 1		REVISIONS 1					
REVISIONS 2		REVISIONS 2					
REVISIONS 3		REVISIONS 3					
REVISIONS 4		REVISIONS 4					
FIELD CHANGES		FIELD CHANGES					

SHEET NUMBER
6
OF 11

WIN 026306.00

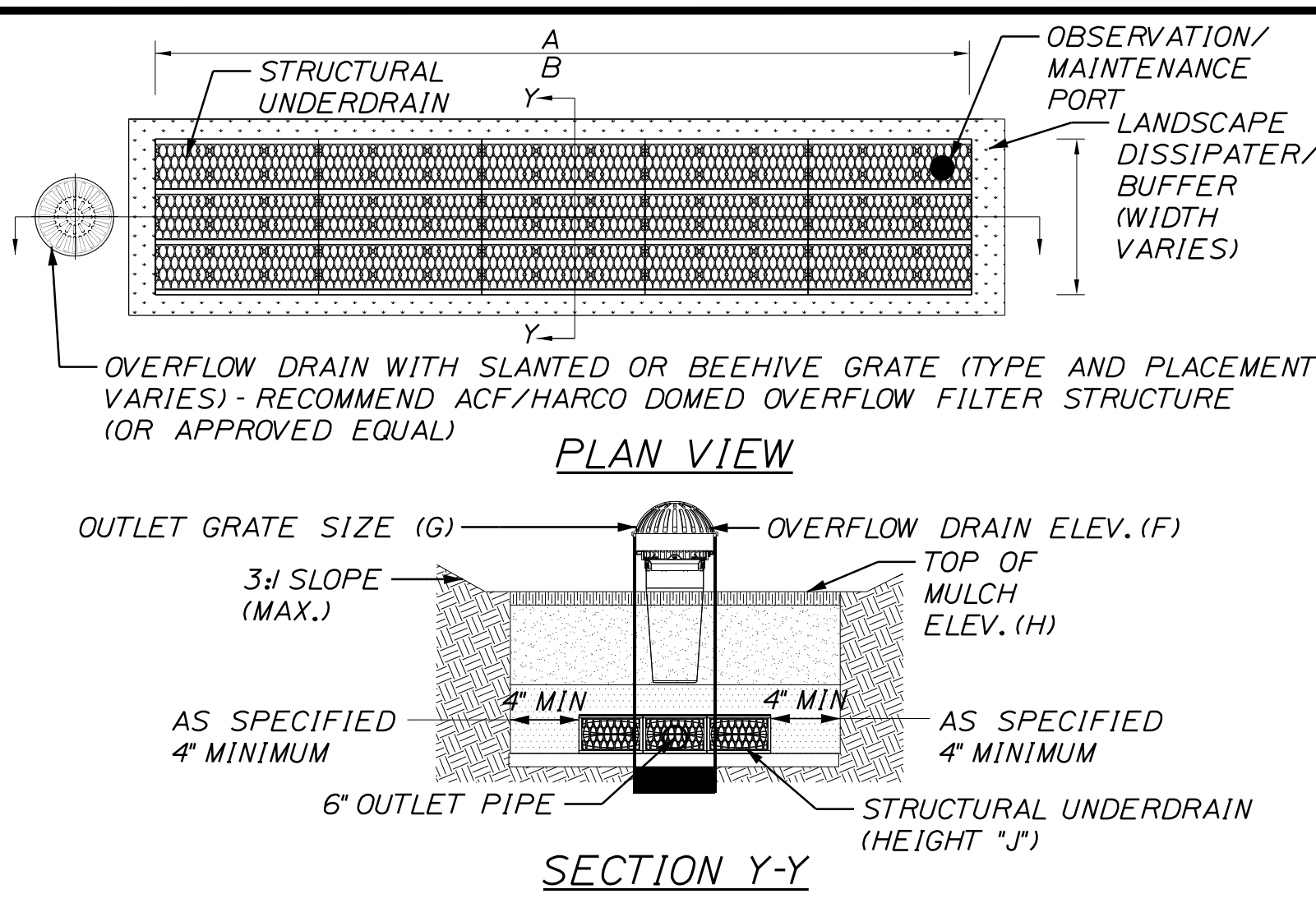
Date: 9/26/2025

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Highway\007_GradingPlan03.dgn

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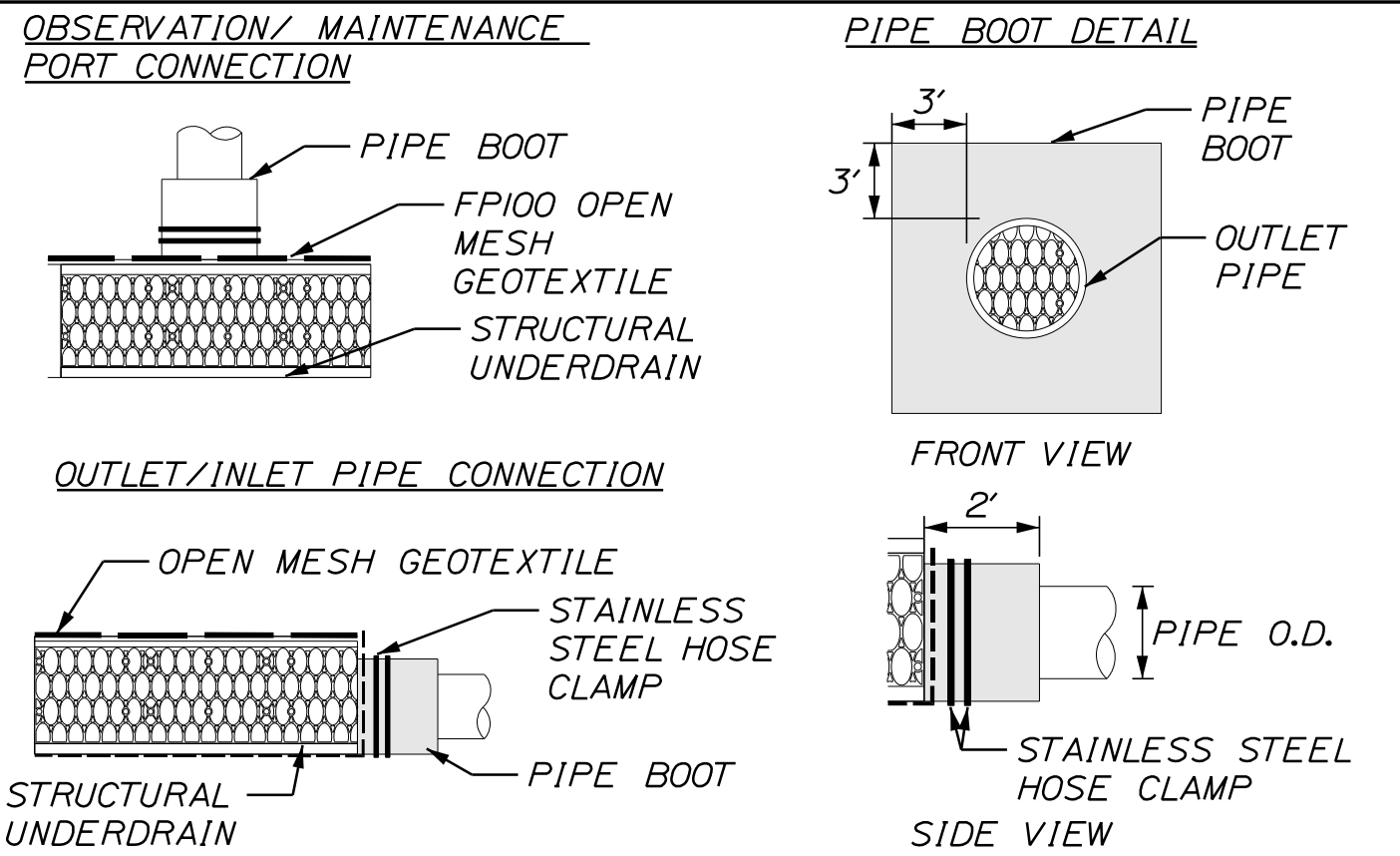


(A) DRAINAGE STRUCTURE CONSTRUCTION GUIDE N.T.S.

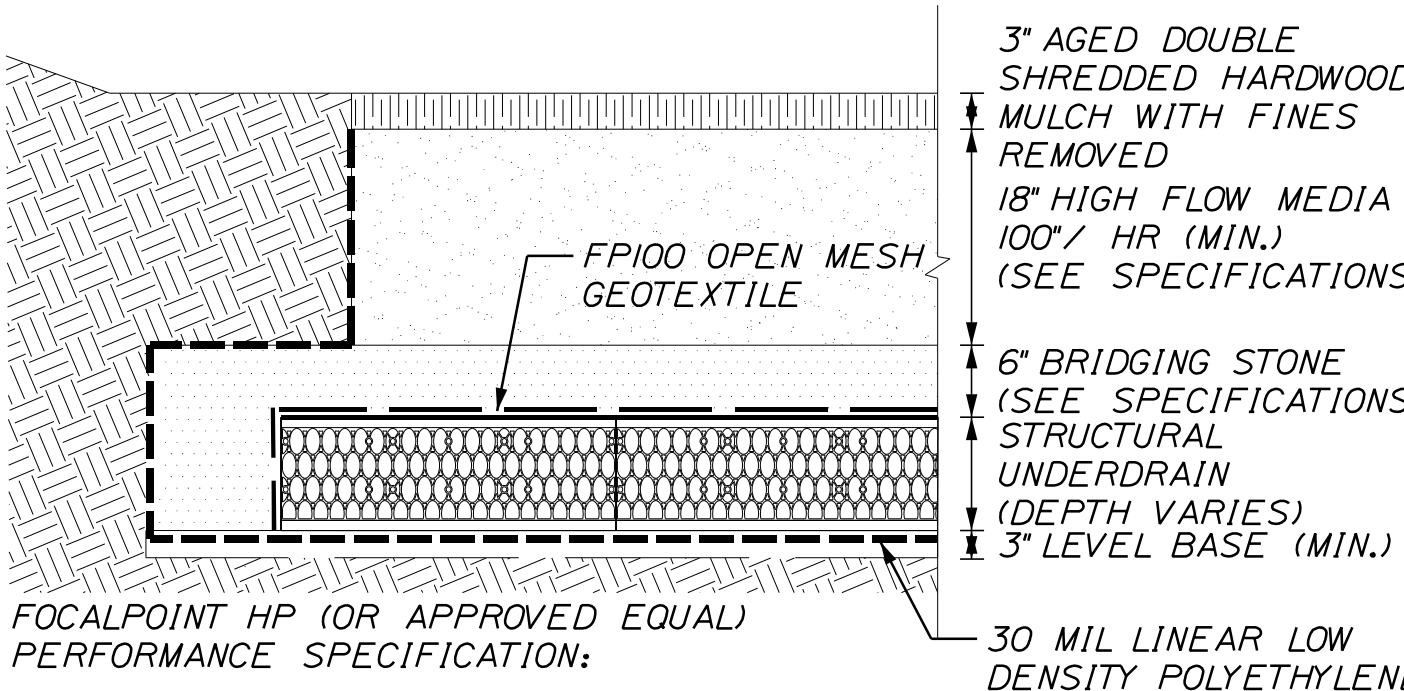
STRUCTURAL KEY DIMENSIONAL DATA

STRUCTURE ID		
A	STRUCTURE LENGTH	6'
B	* UNDERDRAIN LONG	12
C	STRUCTURE WIDTH	6'
D	* UNDERDRAIN WIDE	9
E	WATER QUALITY VOLUME	712 CF
F	OVERFLOW ELEVATION	294.50
G	OUTLET GRATE SIZE	12" DIA
H	TOP OF MULCH	294.00
J	UNDERDRAIN HEIGHT	DOUBLE

(B) DRAINAGE STRUCTURE KEY DIMENSIONAL DATA N.T.S.



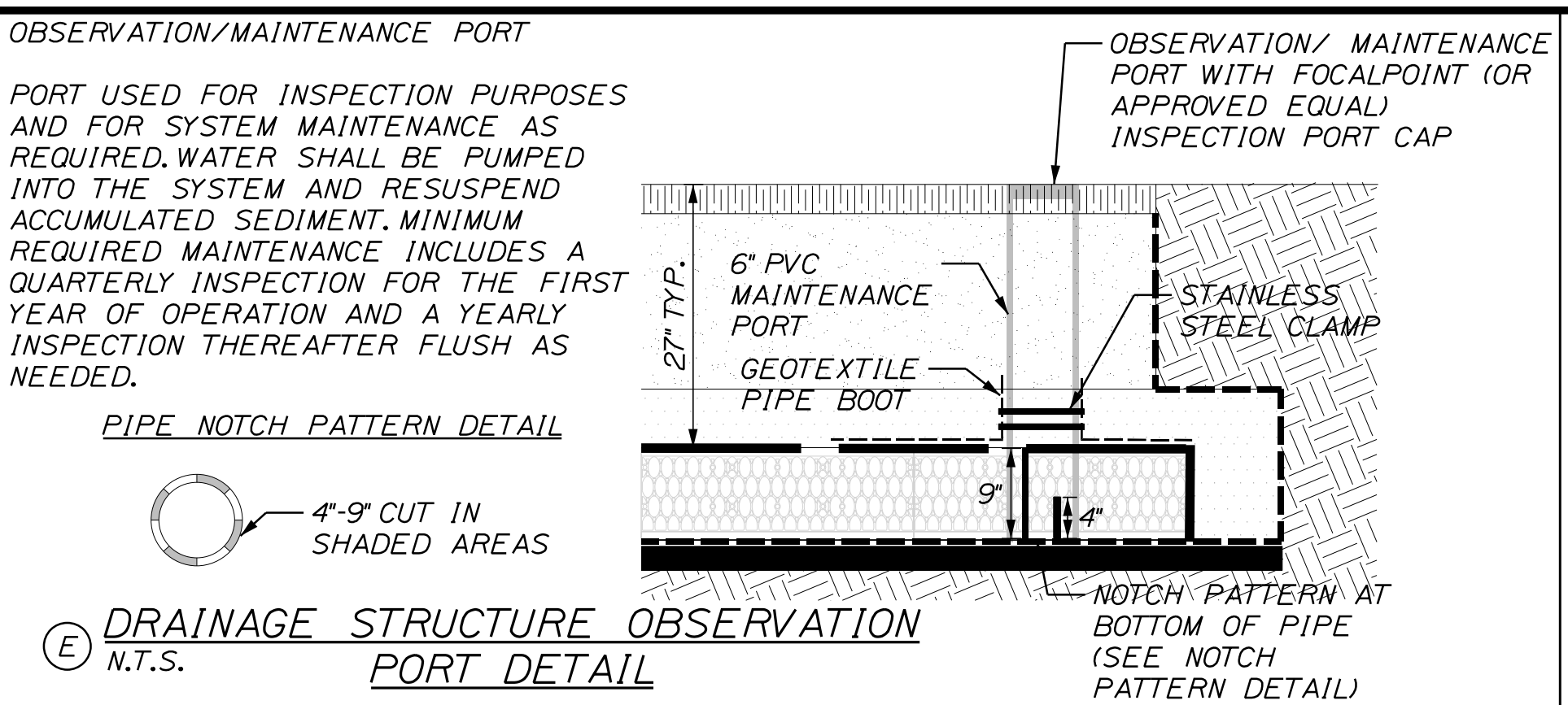
(C) DRAINAGE STRUCTURE PIPE CONNECTION DETAIL N.T.S.



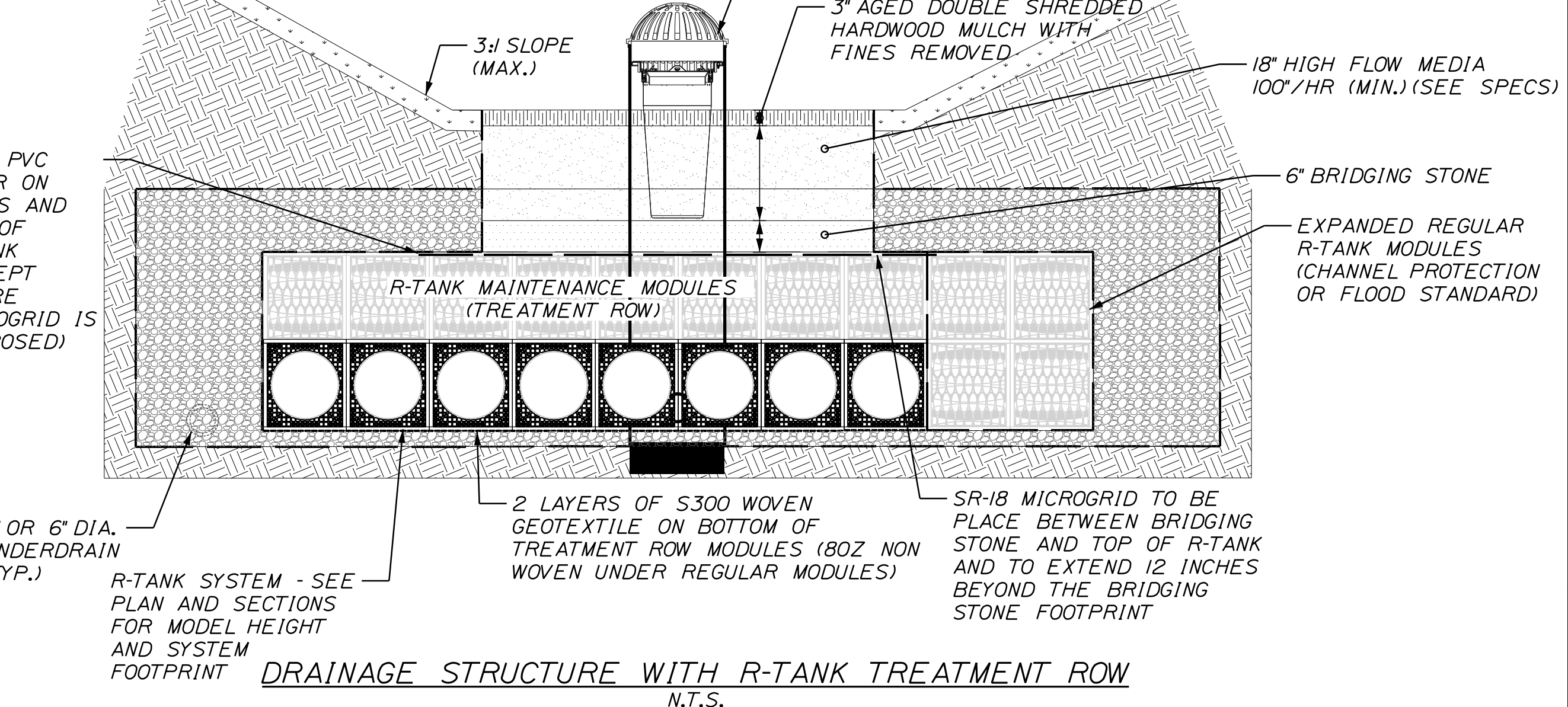
HIGH PERFORMANCE MEDIA
HIGH PERFORMANCE MEDIA MUST MEET A MINIMUM OF 100' PER HOUR INFILTRATION RATE.

HIGH PERFORMANCE STRUCTURAL UNDERDRAIN
MUST HAVE A MINIMUM OF 19 SQUARE INCHES OF ORIFACE OPENING PER SQUARE FOOT.
MUST MEET H2O LOADING REQUIREMENTS.
MUST BE MODULAR IN NATURE AND ASSEMBLED ON SITE.
MUST HAVE A MINIMUM 90% INTERIOR VOID SPACE.

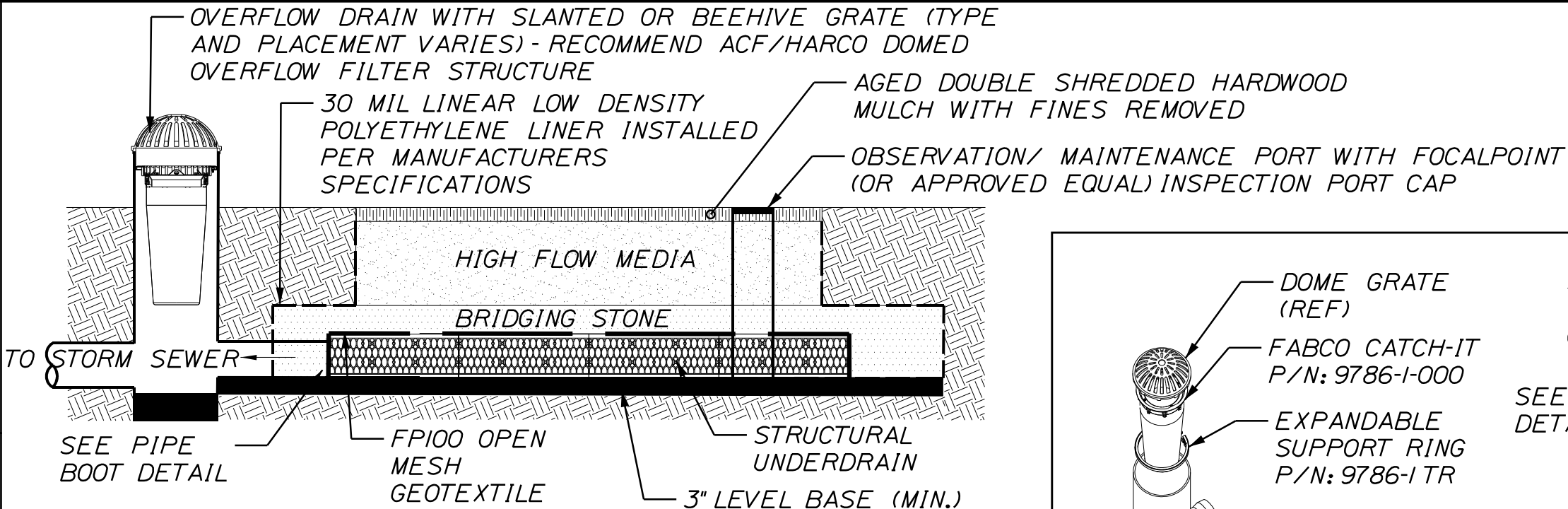
(D) DRAINAGE STRUCTURE PIPE DETAILED CROSS SECTION N.T.S.



(E) DRAINAGE STRUCTURE OBSERVATION PORT DETAIL N.T.S.



(F) DRAINAGE STRUCTURE WITH R-TANK TREATMENT ROW N.T.S.

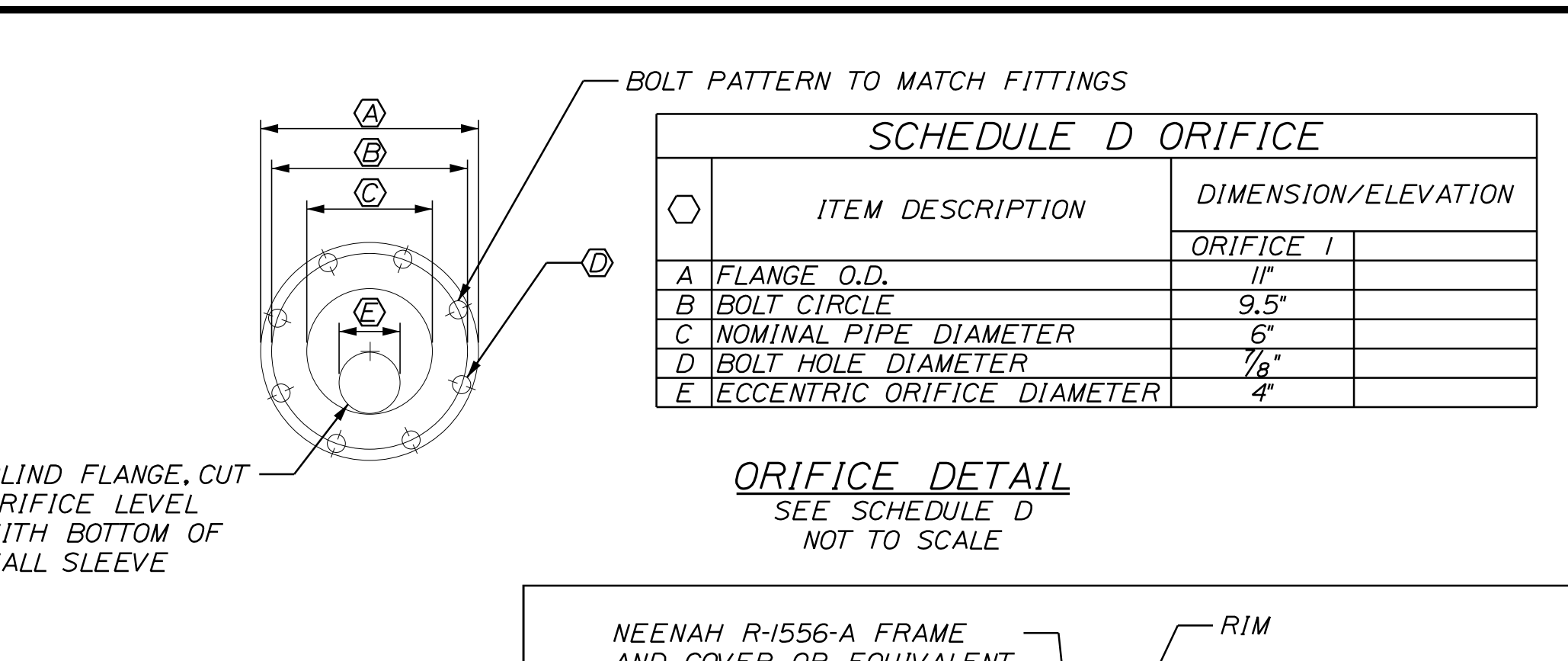


(G) DRAINAGE STRUCTURE SECTION X-X N.T.S.

- NOTES:
1. STORMSACK WEIGHT (EMPTY): 12 LB MAX
 2. MATERIAL:
 - A) SHROUD: HIGH DENSITY POLYETHYLENE (TYPICAL WALL THICKNESS .125")
 - B) SUPPORT HUB: CRS, POWDER COATED
 - C) STORMSACK: WOVEN POLYPROPYLENE GEOTEXTILE (GEOTEX 117F)
 - D) HARDWARE: ALUMINUM POP-RIVETS
 3. RECOMMENDED MINIMUM VAULT DEPTH: 2-IN BELOW CARTRIDGE
 4. TYPICAL INSTALLATION: RAISE STORM GRATE, PUSH CATCH-IT SHROUD DOWN ON FRAME SUPPORT LEDGE UNTIL LOCKING-CLIPS CLICK IN PLACE, LOWER STORM GRATE.
 5. USE ONLY WITH FABCO REPLACEABLE STORMSACK

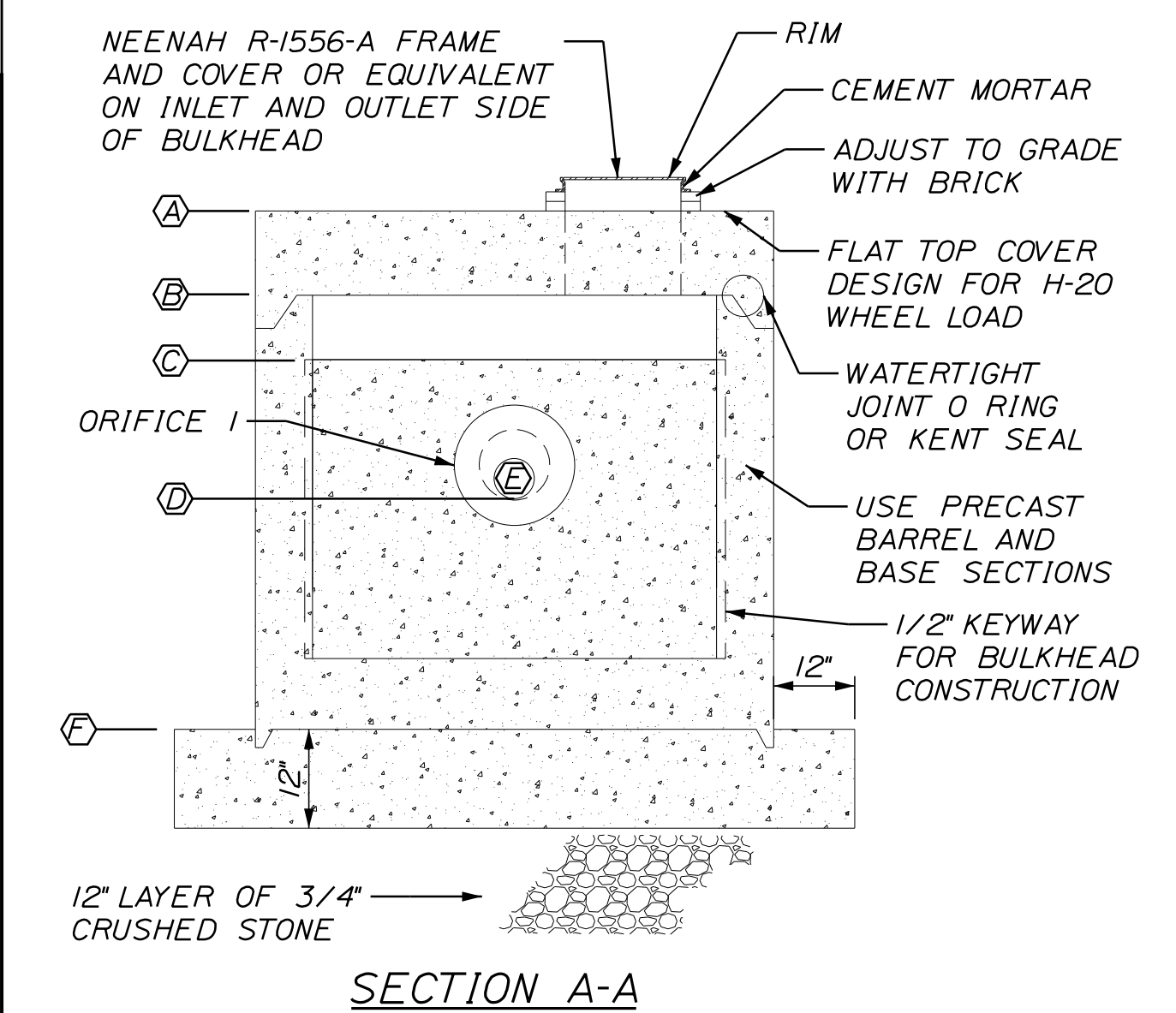
STRUCTURAL DIAMETER (INCHES)	DEBRIS CAPACITY (CF)	FILTERED FLOWRATE (CFS)	BYPASS FLOWRATE (CFS)	TOTAL SYSTEM FLOWRATE (CFS)
12	0.77	2.2	1.2	3.4
18	1.65	2.5	1.0	3.5
24	3.60	4.9	2.4	7.3
30	6.20	4.9	2.4	7.3

(H) ACF/HARCO DOMED OVERFLOW FILTER RISER N.T.S.



SCHEDULE D ORIFICE

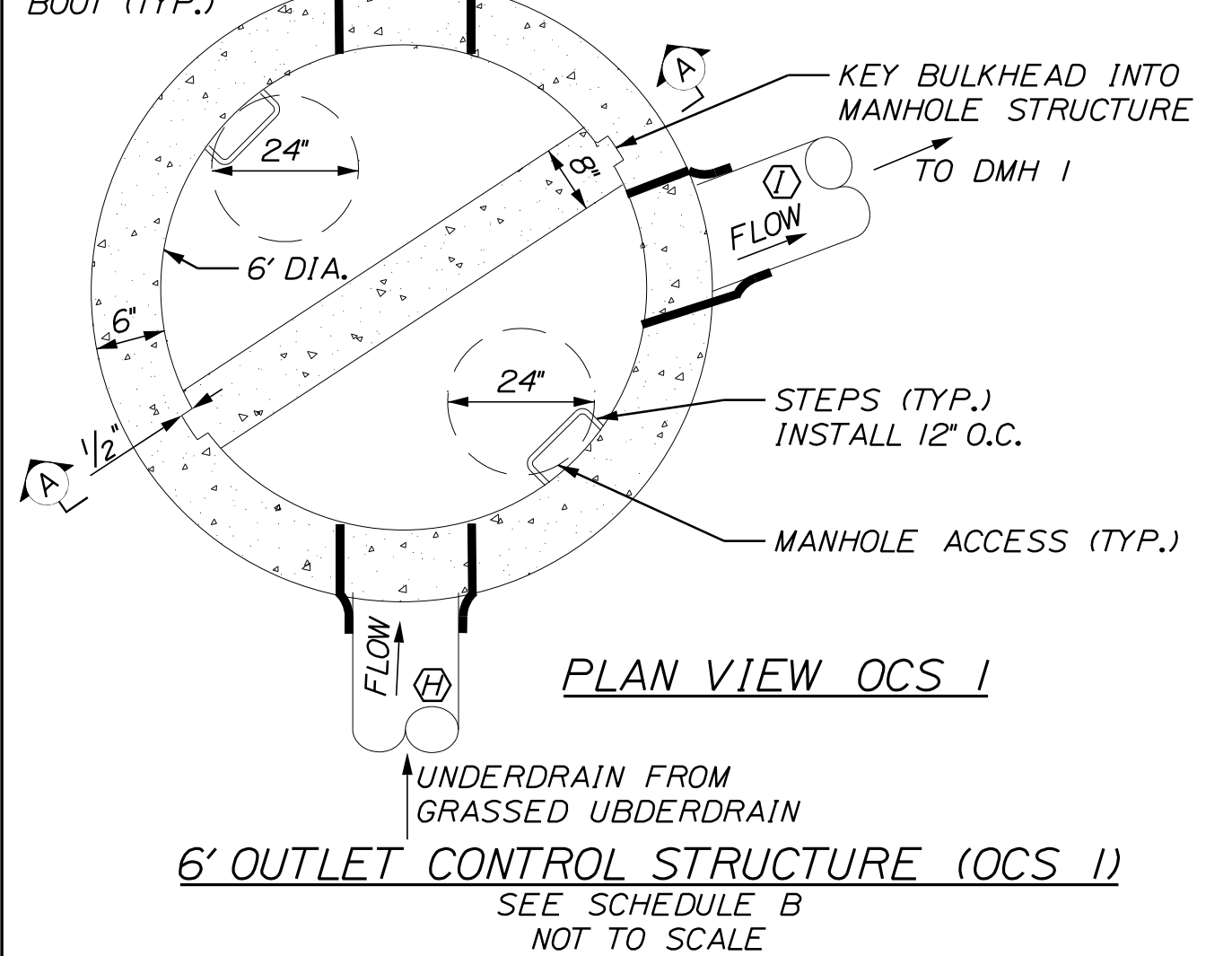
ITEM DESCRIPTION	DIMENSION/ELEVATION	
	ORIFICE I	
A FLANGE O.D.	11"	
B BOLT CIRCLE	9.5"	
C NOMINAL PIPE DIAMETER	6"	
D BOLT HOLE DIAMETER	1/8"	
E ECCENTRIC ORIFICE DIAMETER	4"	



(I) SECTION A-A

SCHEDULE B

ITEM DESCRIPTION	DIMENSION/ELEVATION
A TOP OF STRUCTURE	OCS 1
B UNDERSIDE TOP SLAB	297.50
C TOP CONCRETE BULKHEAD	296.83
D ORIFICE INVERT	295.90
E ORIFICE DIAMETER	4"
F BOTTOM OF STRUCTURE	291.70
G PIPE DIAMETER	15"
H INVERT IN	293.85
I PIPE DIAMETER	4"
J INVERT IN	291.80
K PIPE DIAMETER	15"
L INVERT OUT	291.70



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919 MAIN STREET
SANFORD, MAINE 04073

WIN 026306.00

SANFORD EMERSON STREET PARKING FACILITY
STORM WATER FILTER
DETAIL SHEETS

PROJ. MANAGER	DATE	BY	M. HILL	DATE	REVISIONS	DATE	FIELD CHANGES
J. ATTANASE	09/25	M. CUNDIFF		09/25			
W. HASKELL	09/25						

SHEET NUMBER 7 OF 11

ITEM 201.11 - CLEARING

LOCATION			
NORTHING	EASTING	TO	NORTHING EASTING
219305.1826	878376.8364	219342.2200	878451.1002
219093.7936	878333.4058	219216.0549	878445.6960

ITEM 502.3414 - STRUCTURAL CONCRETE BUS SHELTER FOUNDATION

LOCATION		
CORNER	EASTING	NORTHING
CORNER 1	878523.4900	219235.1764
CORNER 2	878528.8207	219237.9303
CORNER 3	878533.8696	219228.1574
CORNER 4	878528.5389	219225.4035

ITEM 603.130 - 4" CULVERT PIPE OPTION III

LOCATION	LENGTH
STA. 102+44.30, 273.21' RT. TO STA. 102+65.20, 300.49' RT.	53 FT

ITEM 603.159 - 12" CULVERT PIPE OPTION III

LOCATION	LENGTH
STA. 103+00.30, 61.35' RT. TO STA. 103+00.30, 68.35' RT.	7 FT
STA. 103+03.30, 71.35' RT. TO STA. 103+18.26, 71.35' RT.	15 FT

ITEM 603.169 - 15" CULVERT PIPE OPTION III

LOCATION	LENGTH
STA. 102+65.12, 279.79' RT. TO STA. 102+65.19, 294.49' RT.	15 FT
STA. 102+67.54, 295.62' RT. TO STA. 103+18.29, 255.20' RT.	65 FT
STA. 103+18.29, 255.20' RT. TO STA. 103+18.26, 71.35' RT.	180 FT
STA. 103+18.26, 71.35' RT. TO STA. 103+18.25, 6.35' RT.	65 FT

ITEM 604.09 - CATCH BASIN TYPE B1 (WITH SOLID COVER)

LOCATION
STA. 103+18.29, 255.20' RT. (DMH1)
STA. 103+18.26, 71.35' RT. (DMH2)

ITEM 604.1542 - 72" OUTLET CONTROL STRUCTURE

LOCATION
STA. 102+65.20, 297.49' RT. (OCS1) *
STA. 103+00.30, 71.35' RT. (OCS2) *

* STATION REFERENCED IS TO THE CENTER OF THE STRUCTURE AND NOT THE CENTER OF THE PROPOSED RIM.

ITEM 604.18 - ADJUSTING MANHOLE OR CATCH BASIN TO GRADE

LOCATION
STA. 104+65.17, 103.24' RT. (CB 1)

ITEM 605.07 - 4 INCH UNDERDRAIN TYPE B

LOCATION	LENGTH
STA. 102+44.29, 198.59' RT. TO STA. 102+44.30, 273.21' RT.	75 FT
STA. 102+44.30, 273.21' RT. TO STA. 102+61.80, 273.20' RT.	18 FT
STA. 102+53.04, 198.59' RT. TO STA. 102+53.05, 273.21' RT.	75 FT
STA. 102+61.79, 198.58' RT. TO STA. 102+61.80, 273.20' RT.	75 FT
STA. 102+92.48, 33.29' RT. TO STA. 103+00.30, 74.35' RT.	54 FT

ITEM 606.1301 - 31" W-BEAM GUARDRAIL - MID-WAY SPLICE - SINGLE FACED

LOCATION				
NORTHING	EASTING	TO	NORTHING EASTING	LENGTH
219169.9857	878426.6033	219070.0359	878478.2395	112.50'

NOTE: PAYMENT SHALL INCLUDE ANY ADDITIONAL POSTS AND/OR NON-STANDARD BEAM LENGTHS REQUIRED AT EACH END OF GUARDRAIL RUN.

ITEM 606.265 - TERMINAL END-SINGLE RAIL - GALVANIZED STEEL

LOCATION			
NORTHING	EASTING	QUANTITY (EA)	
219169.9857	878426.6033	1	
219070.0359	878478.2395	1	

ITEM 606.353 - REFLECTORIZED FLEXIBLE GUARDRAIL MARKER

LOCATION		
NORTHING	EASTING	QUANTITY (EA)
219169.9857	878426.6033	2
219070.0359	878478.2395	2

ITEM 607.22 - CEDAR RAIL FENCE

LOCATION	LENGTH
STA. 104+21.13, 200.13' RT. TO STA. 104+21.65, 304.13' RT.	104 LF

ITEM 607.461 - SOLID WHITE VINYL FENCE - 8'

LOCATION	LENGTH
STA. 102+84.75, 29.64' RT. TO STA. 104+20.96, 306.16' RT.	533 LF

ITEM 608.26 - CURB RAMP DETECTABLE WARNING FIELD

LOCATION	QUANTITY
104+16.50, 16.38' RT.	11 SF
104+16.75, 22.53' LT.	11 SF
103+62.01, 19.36' RT.	11 SF
104+01.13, 19.38' RT.	11 SF

ITEM 610.08 - PLAIN RIPRAP

LOCATION	DESCRIPTION	QUANTITY
STA. 102+65.12, RT.	POND #1 RIPRAP INLET APRON	0.5 CY
STA. 102+78.31, RT.	POND #1 SEDIMENT FOREBAY	77.0 CY
STA. 102+99.54, RT.	SUBSURFACE STORAGE SEDIMENT FOREBAY	2.6 CY

ITEM 613.319 - EROSION CONTROL BLANKET

LOCATION
STA. 103+00 TO STA. 103+46, RT.

ITEM 634.210 - CONVENTIONAL LIGHT STANDARD

EASTING	NORTHING
878481.0391	219343.4912
878527.3779	219265.7962
878553.9826	219214.2806
878584.5998	219154.9955
878546.8467	219084.5986
878466.6233	219092.5209
878433.3490	219156.9285
878400.3371	219220.8280
878367.5832	219284.2329

ITEM 841.4712 - STEEL BOLLARD, 6 INCH

EASTING	NORTHING
878390.0139	219300.7247
878398.0099	219304.8556
878406.0058	219308.9865
878414.0018	219313.1174
878425.9958	219319.3137
878549.0980	219209.5739
878556.4419	219195.3588
878562.4087	219183.8090
878566.0806	219176.7015
878572.0474	219165.1517
878575.9488	219157.6000
878580.0797	219149.6040
878584.2106	219141.6080
878588.3415	219133.6120

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
026306.00

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	M. HILL	09/25			
CHECKED-REVIEWED	M. CUNDIFF	09/25			
DESIGN-DETAILED	T. WARREN				
DESIGN-DETAILED	J. WHEBACH				
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SANFORD
EMERSON STREET
PARKING FACILITY

CONSTRUCTION NOTES

SHEET NUMBER

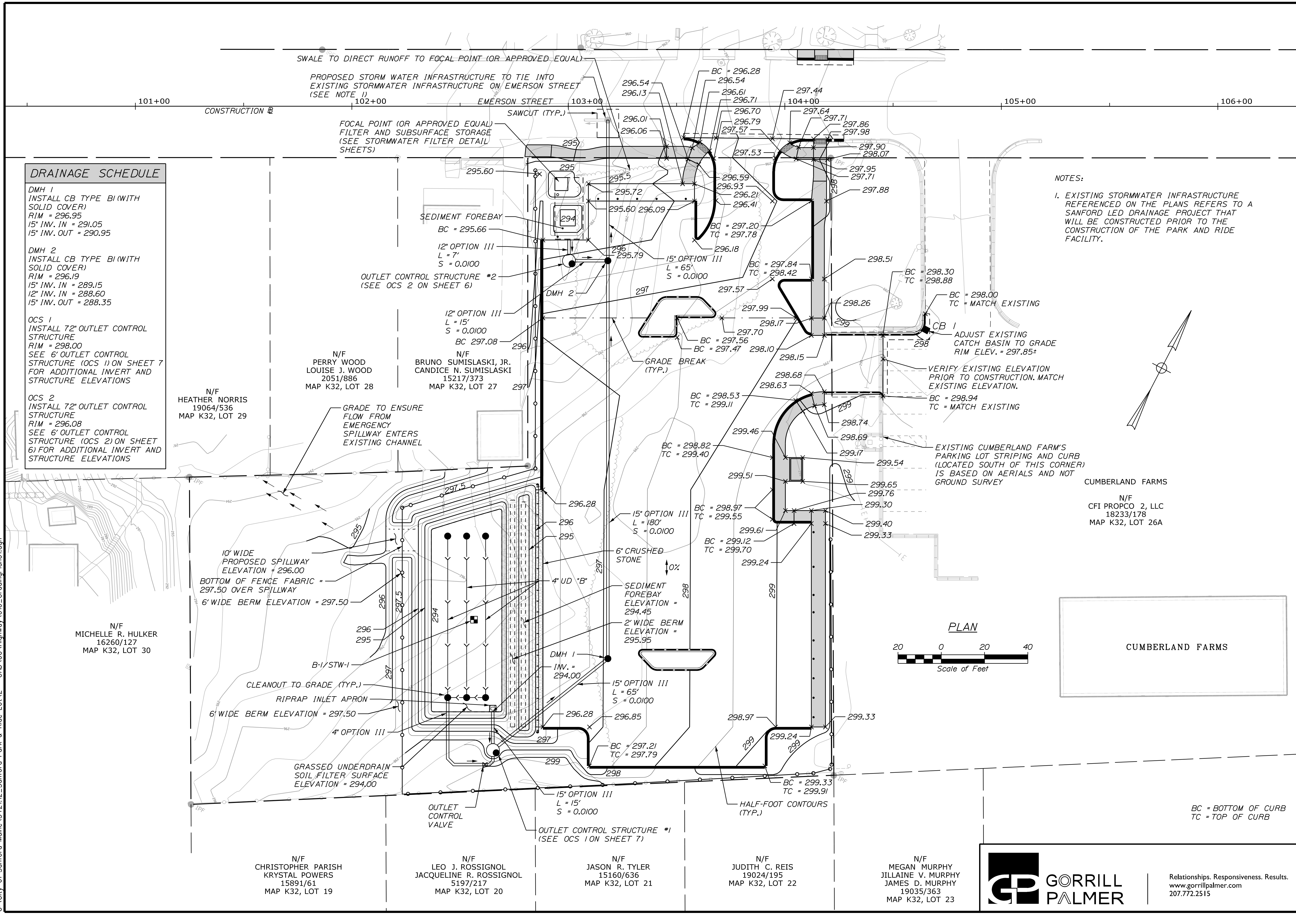
8

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U:\City of Sanford Maine\342112_Sanford Park & Ride LotV - CAD\00\Highway\010_GradingPlan01.dgn
 Filename: ... \Highway\010_GradingPlan01.dgn
 Division: HIGHWAY
 Username: Mike.Cundiff
 Date: 9/26/2025



DRAINAGE SCHEDULE

DMH 1
 INSTALL CB TYPE BI (WITH SOLID COVER)
 RIM = 296.95
 15' INV. IN = 291.05
 15' INV. OUT = 290.95

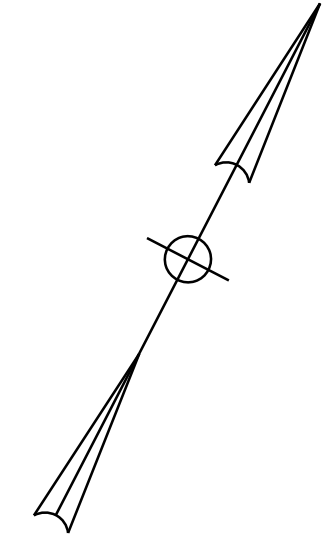
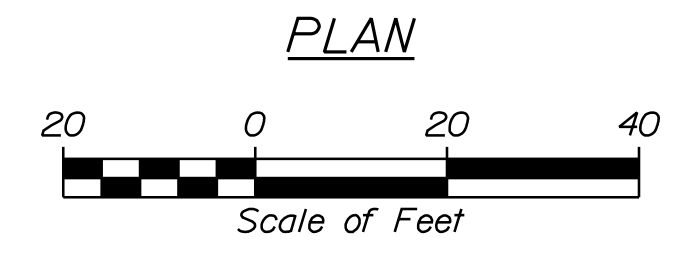
DMH 2
 INSTALL CB TYPE BI (WITH SOLID COVER)
 RIM = 296.19
 15' INV. IN = 289.15
 12' INV. IN = 288.60
 15' INV. OUT = 288.35

OCS 1
 INSTALL 72" OUTLET CONTROL STRUCTURE
 RIM = 298.00
 SEE 6" OUTLET CONTROL STRUCTURE (OCS 1) ON SHEET 7 FOR ADDITIONAL INVERT AND STRUCTURE ELEVATIONS

OCS 2
 INSTALL 72" OUTLET CONTROL STRUCTURE
 RIM = 296.08
 SEE 6" OUTLET CONTROL STRUCTURE (OCS 2) ON SHEET 6 FOR ADDITIONAL INVERT AND STRUCTURE ELEVATIONS

NOTES:

- EXISTING STORMWATER INFRASTRUCTURE REFERENCED ON THE PLANS REFERS TO A SANFORD LED DRAINAGE PROJECT THAT WILL BE CONSTRUCTED PRIOR TO THE CONSTRUCTION OF THE PARK AND RIDE FACILITY.



CITY OF SANFORD
 919 MAIN STREET
 SANFORD, MAINE 04073

WIN
 026306.00

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	J. ATTIANESE	M. CUNDIFF	09/25
CHECKED-REVIEWED	W. HASKELL	W. HASKELL	09/25
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SANFORD
 EMERSON STREET
 PARKING FACILITY

GRADING & DRAINAGE PLAN

SHEET NUMBER
 10
 OF 11

Date: 9/26/2025

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...\\000\Highway\011_ShpPlan01.dgn

U:\City of Sanford Maine\3421\2_Sanford Park & Ride Lot\Z - CAD\00\Highway\011_ShpPlan01.dgn

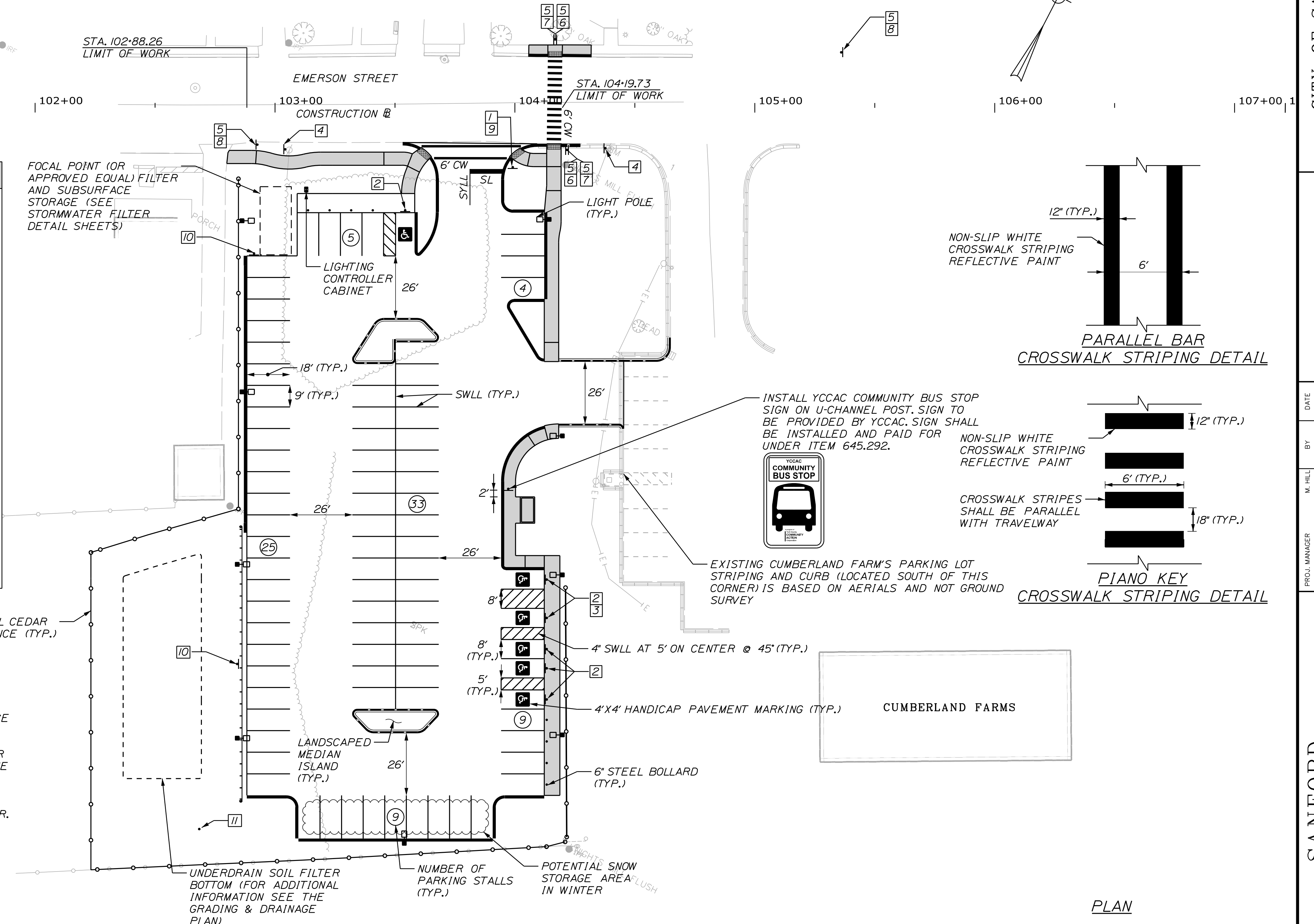
STRIPING LEGEND	
SYLL = 4" SINGLE YELLOW LANE LINE	
SWLL = 4" SOLID WHITE LANE LINE	
SL = STOP LINE (24" WIDE)	
CW = CROSS WALK (2 X 12" WIDE PARALLEL BARS)	

SIGNING LEGEND	
1 STOP R1-1 30" X 30" QUANTITY: 1	6 W16-7P(L) 24" X 12" QUANTITY: 2
2 RESERVED PARKING R7-8 12" X 18" QUANTITY: 6	7 W16-7P(R) 24" X 12" QUANTITY: 2
3 VAN ACCESSIBLE R7-8P 18" X 9" QUANTITY: 2	8 AHEAD W16-9P 24" X 12" QUANTITY: 2
4	9 D3-1 12" X VARIES QUANTITY: 1
5	10 SNOW STORAGE PROHIBITED OVER STORMWATER FACILITIES SP-1 18" X 36" QUANTITY: 2
	11 REFLECTORIZED DELINEATOR POST QUANTITY: 1

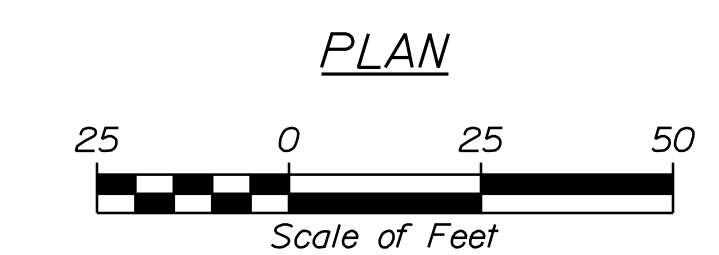
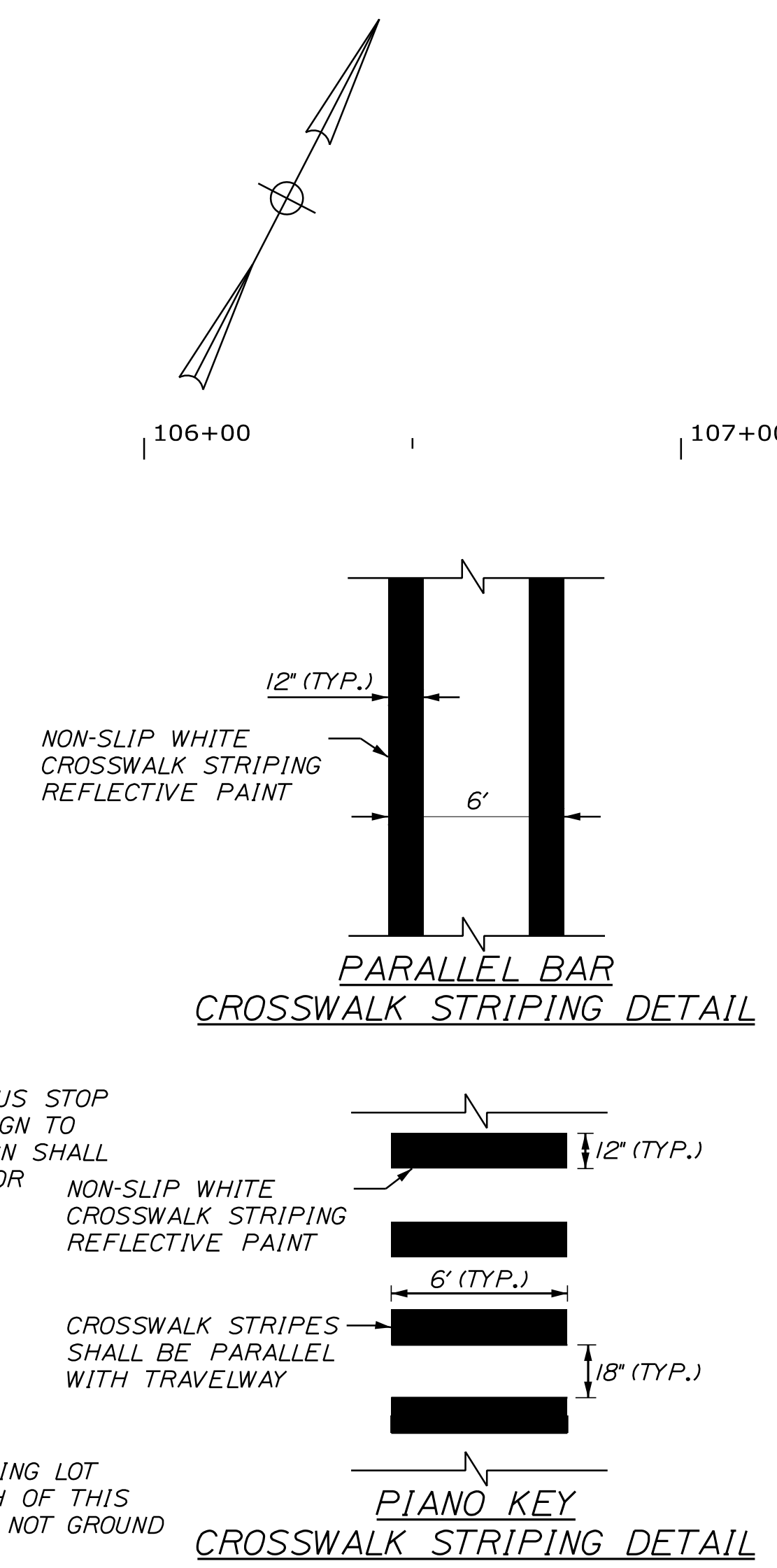
* SIGN SHALL BE INSTALLED ON 6" STEEL BOLLARD.
 ** SIGN TO BE INSTALLED ON UTILITY POLE.

SIGNING & STRIPING NOTES:

- REMOVAL OF EXISTING ROADSIDE SIGNS AND RELOCATION OF ROADSIDE SIGNS/POSTS, SHALL BE CONSIDERED INCIDENTAL TO THE 645 PAY ITEMS.
- ADDITIONAL PARK AND RIDE SIGNAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS PROVIDED IN THE BID BOOK.
- FINAL STRIPING FOR THE PROJECT SHALL BE DONE BY THE CONTRACTOR PER THE STRIPING LAYOUT IN THE CONTRACT DOCUMENTS OR AS PROVIDED BY THE CITY. PAYMENT SHALL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.
- THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED MARKINGS, BY MEANS APPROVED BY THE INSPECTOR. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- SIGNS FOR ITEM 645.292 SHALL BE CONSTRUCTED OF SHEET ALUMINUM.
- ALL SIGNING AND STRIPING MATERIALS AND PLACEMENT SHALL CONFORM TO THE MAINE DOT STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND STANDARD DETAILS AND WITH THE FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
- ALL PAVEMENT MARKINGS SHALL BE MAINTAINED TO 70% RETROREFLECTIVITY OR BETTER FOR A PERIOD OF ONE YEAR FOLLOWING PROJECT COMPLETION.
- SIGN SUPPORTS SHALL CONFORM TO MAINE DOT STANDARD SPECIFICATION 645 REGARDING MATERIALS AND PLACEMENT. TYPICALLY, GALVANIZED U-CHANNEL POSTS AND WOOD ARE PREFERRED TYPES.
- SIGNS W11-2, W16-7P, AND W16-9P SHOULD BE FLOURESCENT GREEN-YELLOW IN COLOR.
- FINAL SIGN LOCATIONS SHALL BE COORDINATED IN THE FIELD WITH THE INSPECTOR.
- SIGN 11, REFLECTORIZED DELINEATOR POST, SHALL BE PAID FOR AS ITEM 606.356 UNDERDRAIN DELINEATOR POST (EA).



TOTAL PARKING SPACES: 85



CITY OF SANFORD
 919 MAIN STREET
 SANFORD, MAINE 04073

PROJ. MANAGER	M. HILL	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN DETAILED	T. WARREN	09/25	M. CUNDIFF	09/25			
CHECKED/REVIEWED	J. WINGENBACH		D. EITINGER				
DESIGN DETAILED							
REVISIONS 1							
REVISIONS 2							
REVISIONS 3							
REVISIONS 4							
FIELD CHANGES							

SANFORD
 EMERSON STREET
 PARKING FACILITY

SIGNING & STRIPING PLAN

SHEET NUMBER

11

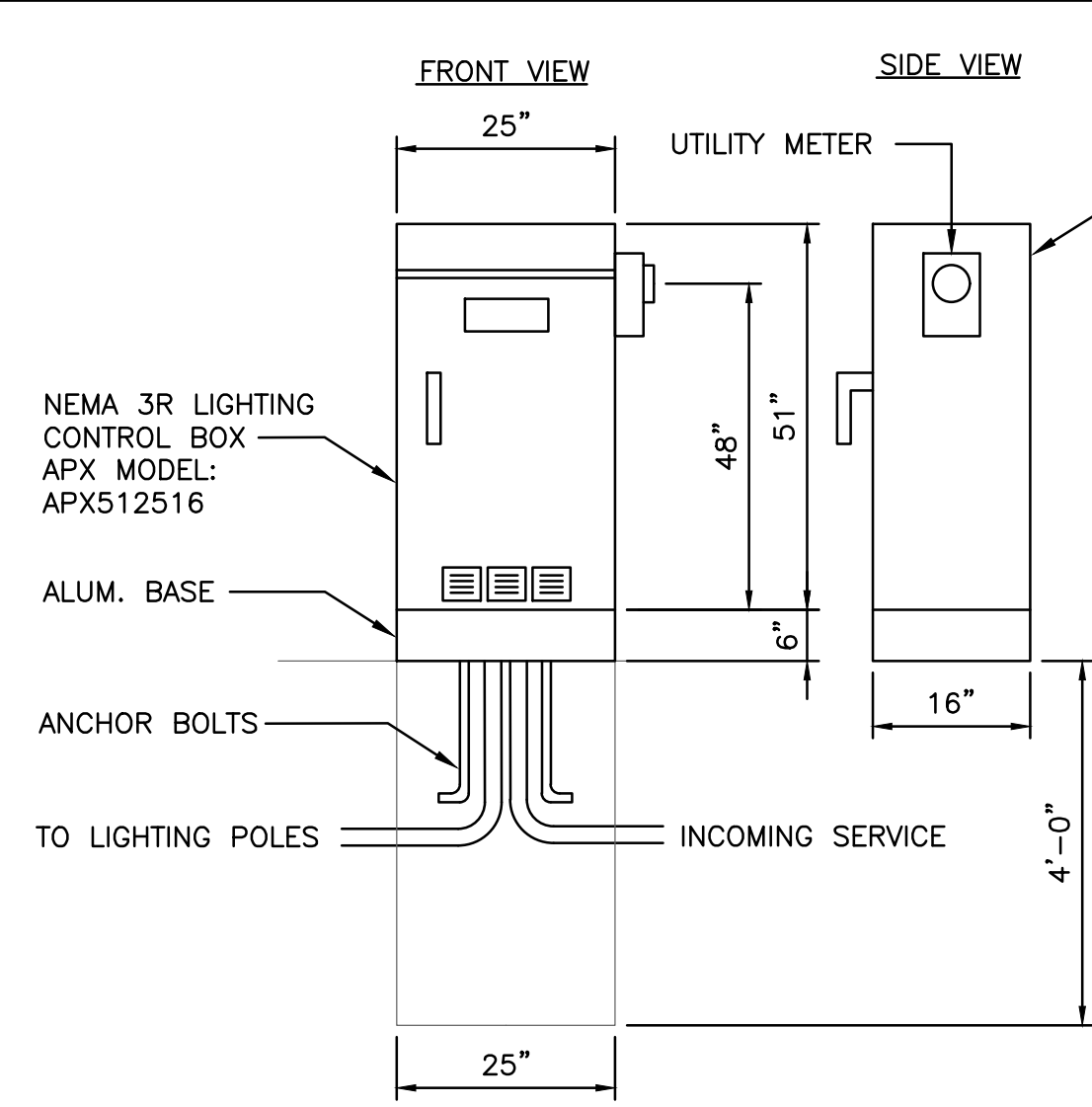
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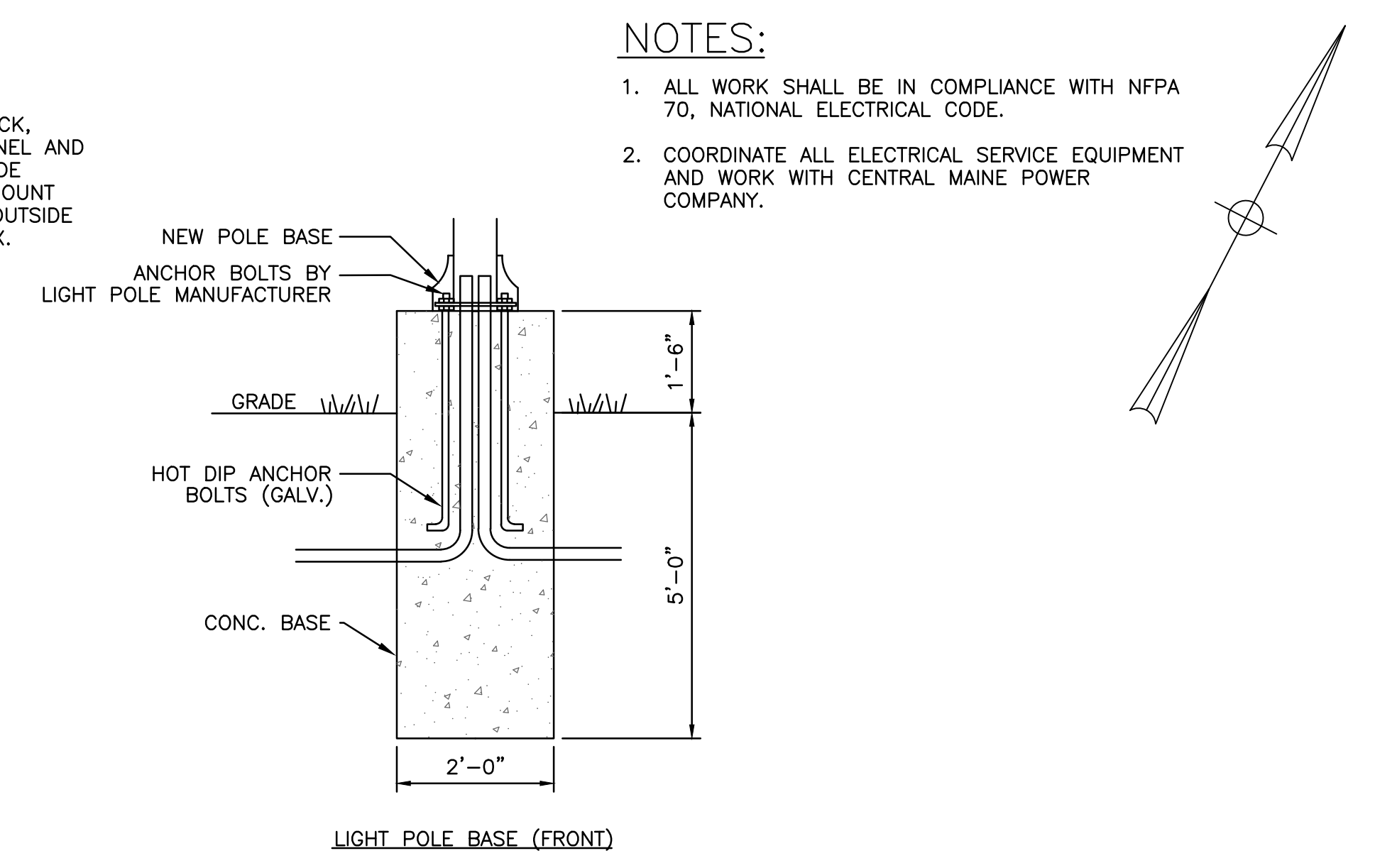
WIN
 026306.00

LIGHTING SCHEDULE					
TYPE	DESCRIPTION	MANUFACTURER	LAMPS	MOUNTING	NOTES
A	LED POLE LIGHT WITH TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD. BLACK FINISH.	BEACON LIGHTING	40W LED 3000K 4370 LUMENS	15' POLE	MODEL #: VP-ST-1-36L-39-3K7-4-HSS-90-B 4" SQUARE STEEL POLE. BLACK FINISH.
B	LED POLE LIGHT WITH TYPE 4W DISTRIBUTION. BLACK FINISH.	BEACON LIGHTING	57W LED 3000K 5944 LUMENS	15' POLE	MODEL #: VP-ST-1-36L-55-3K7-4W 4" SQUARE STEEL POLE. BLACK FINISH.

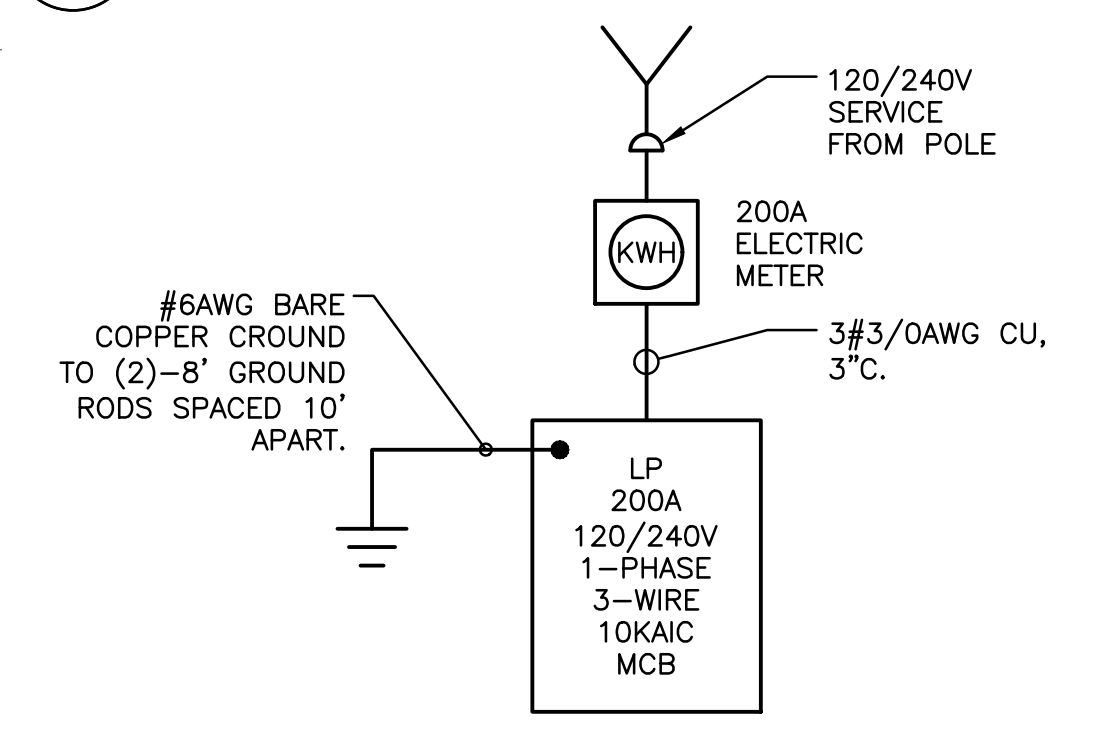
2 LIGHTING SCHEDULE
SCALE: NOT TO SCALE



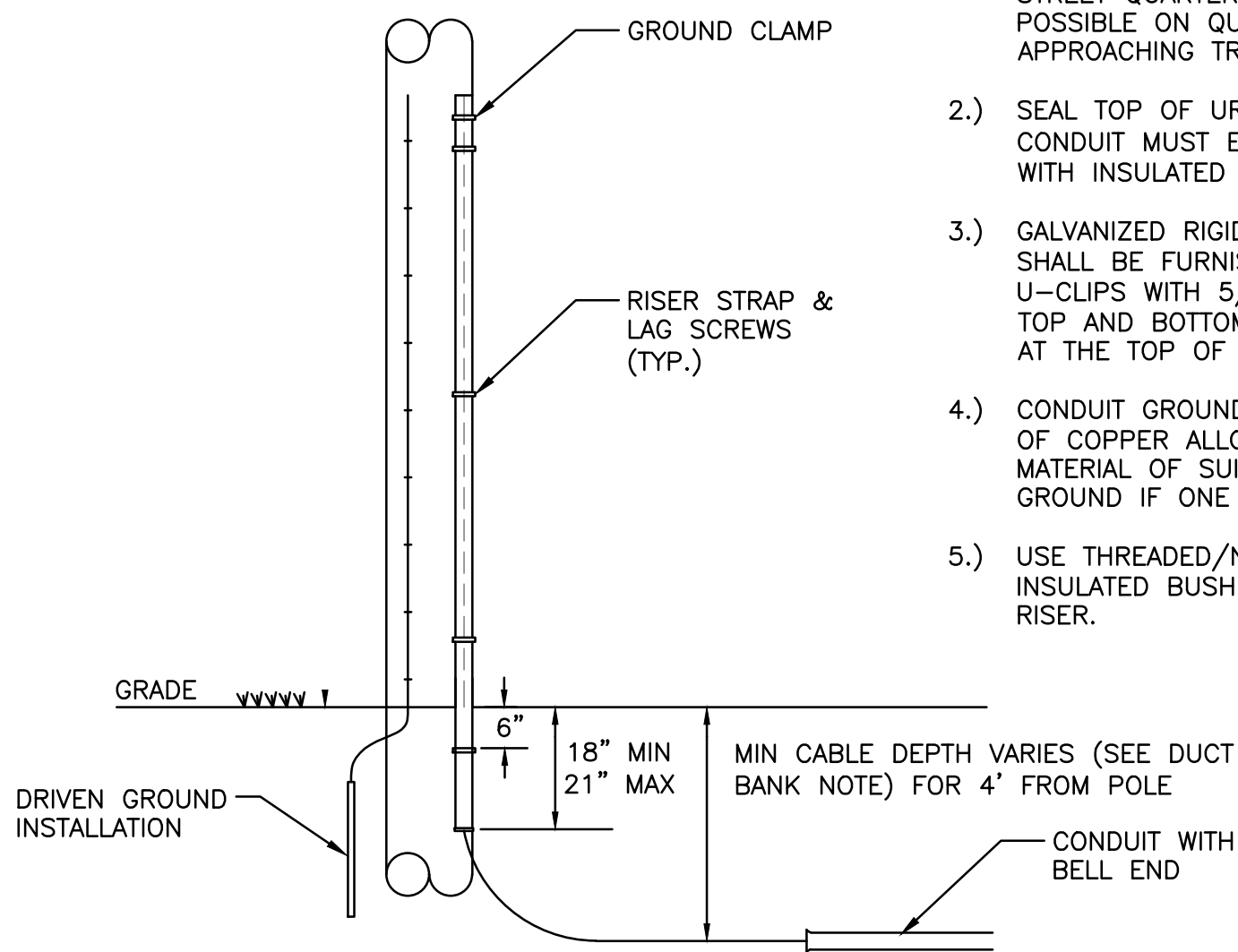
3 LIGHTING CONTROL BOX DETAIL
SCALE: NOT TO SCALE



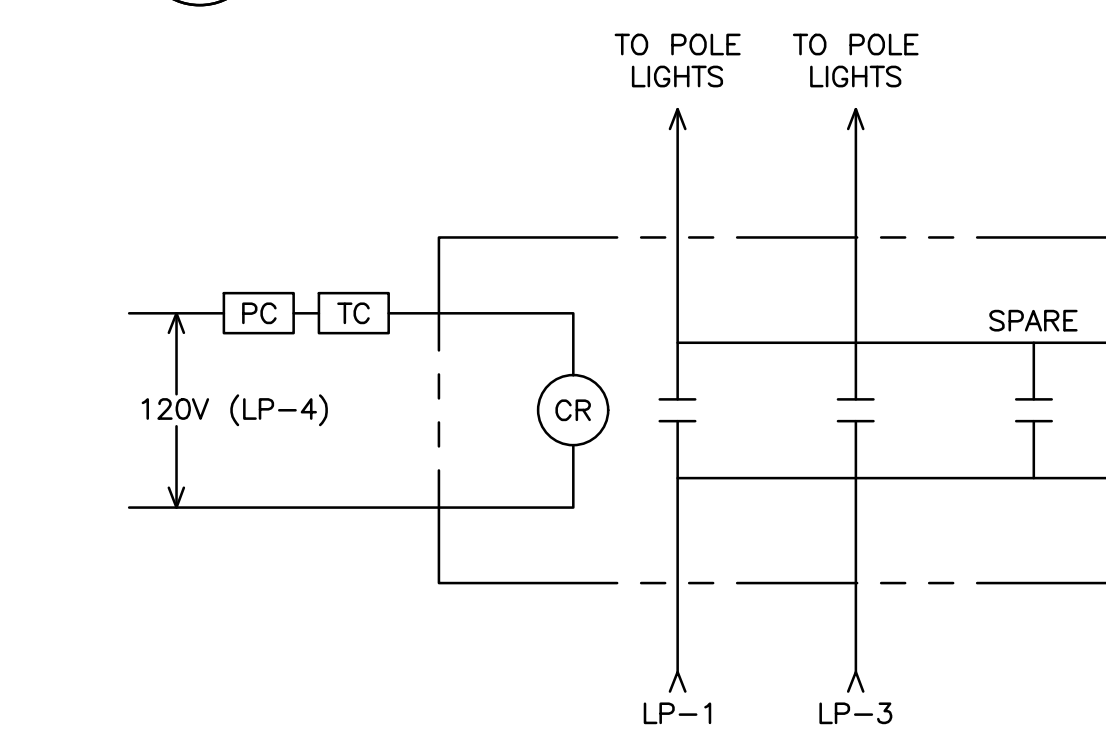
4 LIGHTING POLE BASE DETAIL
SCALE: NOT TO SCALE



5 ONE-LINE DIAGRAM
SCALE: NOT TO SCALE

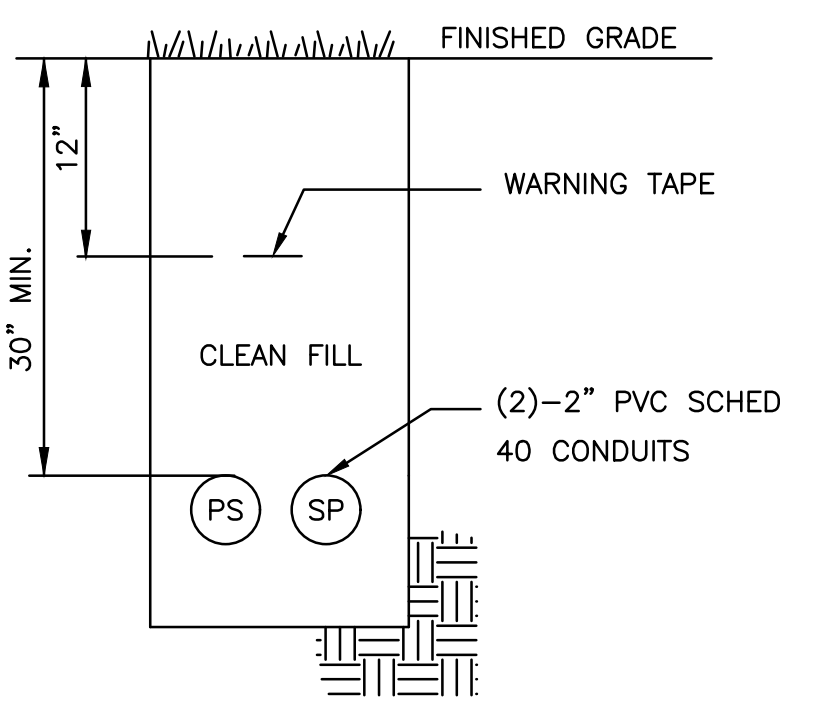


7 CMP SECONDARY SERVICE RISER
SCALE: NOT TO SCALE

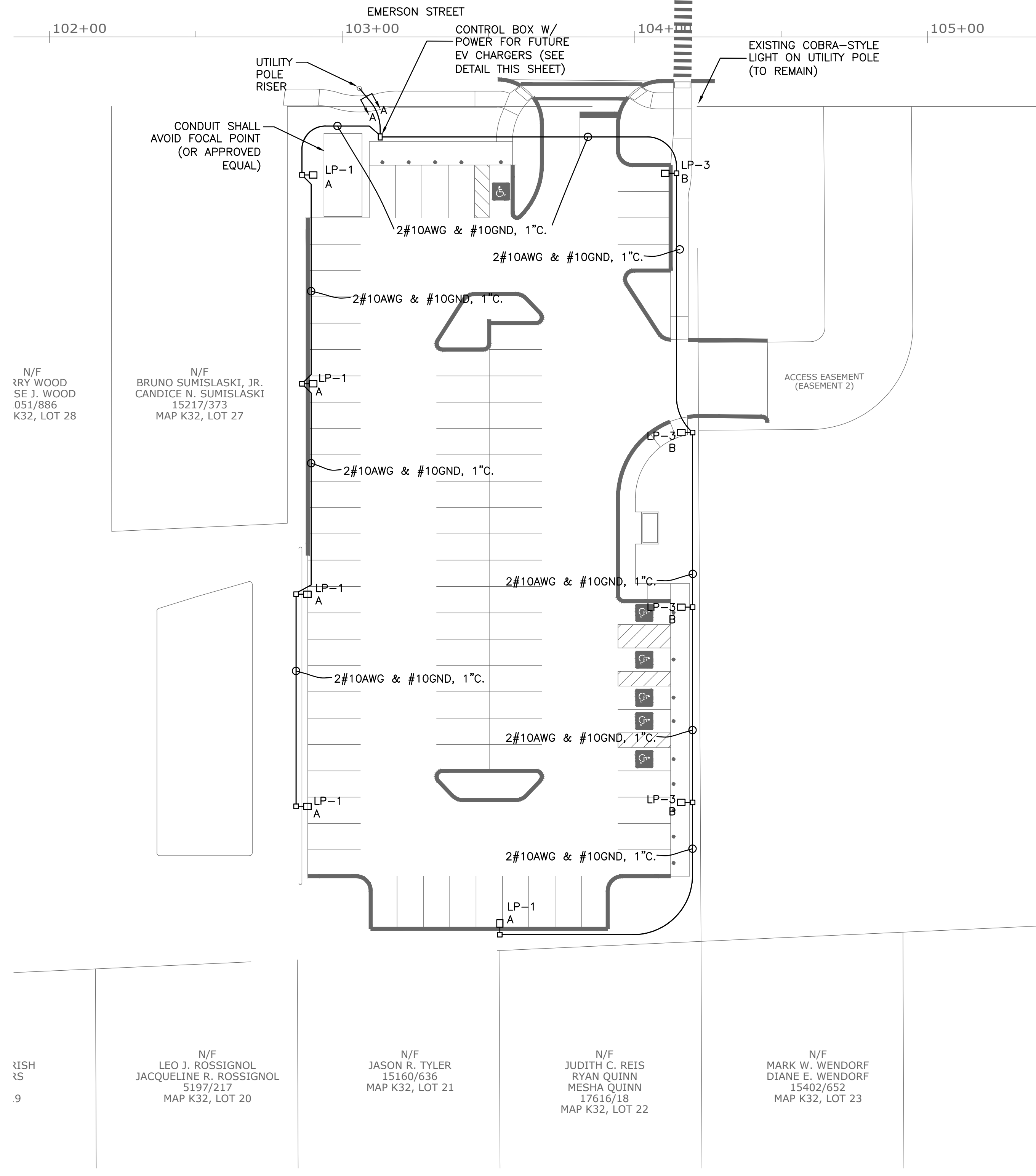


6 EXTERIOR LIGHTING CONTROLS DIAGRAM
SCALE: NOT TO SCALE

DUCT BANK LEGEND:
PS - POWER (SECONDARY)
SP - SPARE



9 DUCT BANK DETAIL A-A
SCALE: NOT TO SCALE

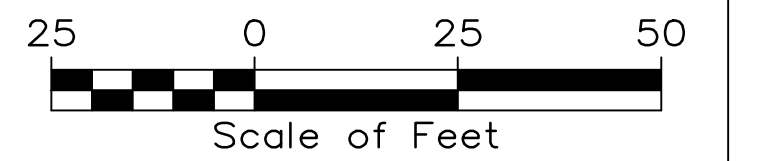


1 ELECTRICAL SITE LIGHTING PLAN
SCALE: 1" = 25'

DIRECTORY	KVA LOAD		CKT #	BKR AMPS	PHASE	BKR AMPS	CKT #	KVA LOAD		DIRECTORY	
	A	B						A	B		
POLE LIGHTS	0.2		1	20	A	20	2	0.2		RECEPTACLE IN CABINET	
POLE LIGHTS		0.2	3	20	B	20	4		0.2	CONTROL	
SPARE	*		5	20	A	20	6	*		SPARE	
SPARE		*	7	20	B	20	8		*	SPARE	
SPACE (FOR FUTURE EV CHARGER)		*	9	*	A	*	10	*		SPACE (FOR FUTURE EV CHARGER)	
		*	11	*	B	*	12	*			
SPACE (FOR FUTURE EV CHARGER)			13	*	A	*	14			SPACE (FOR FUTURE EV CHARGER)	
			15	*	B	*	16				
SUBTOTAL	0.2	0.2						0.2	0.2	SUBTOTAL	
VOLTAGE: 120Y/240V		PHASE: 1		POLES: 3		TOTAL KVA A-PHASE		0.4		PANEL	LP
MAIN BREAKER: 200A		BUS AMPS: 200A		TOTAL KVA B-PHASE		0.4				LOCATION	CONTROL BOX
MOUNTING: SURFACE				TOTAL KVA		0.8					
SHORT CIRCUIT RATING: 10KAIC											
NOTES:											

8 PANEL SCHEDULE
SCALE: NOT TO SCALE

SWIFTCURRENT
Engineering Services
10 Forest Falls Dr. Unit 48
Yarmouth, ME 04096
Tel: (207) 847-9280



CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN 026306.00

75% SUBMISSION

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	I. MATHERS	I. MATHERS	11/23
CHECKED-REVIEWED	I. MATHERS	I. MATHERS	11/23
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SANFORD ST PARKING FACILITY
EMERSON ST PARKING FACILITY
LIGHTING PLAN

SHEET NUMBER
A1

PLANT LIST

SYMB.	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	SPACING
TREES					
AR	ACER RUBRUM 'OCTOBER GLORY'	RED MAPLE	04	3" CAL	PER PLAN
PG	PICEA GLAUCA	WHITE SPRUCE	02	3" CAL	PER PLAN
TO	THUJA OCCIDENTALIS	EASTERN WHITE CEDAR	06	3" CAL	PER PLAN
UA	ULMUS AMERICANA	PRINCETON ELM	04	3" CAL	PER PLAN

SHRUBS					
CO	CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	14	5 GAL.	PER PLAN
CS	CORNUS SERICEA	RED-TWIG DOGWOOD	06	5 GAL.	PER PLAN

PERENNIALS AND ORNAMENTAL GRASSES

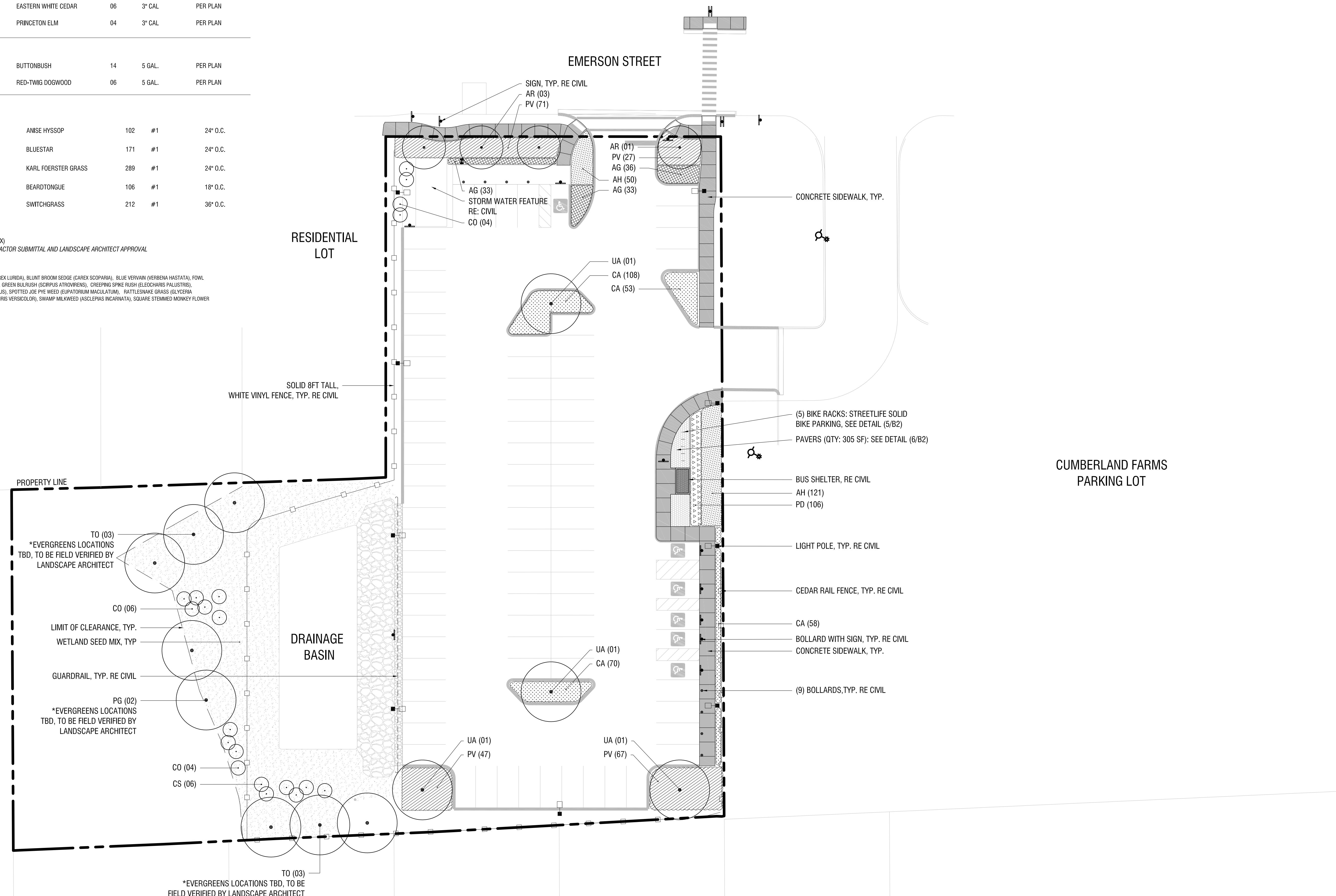
AG	AGASTACHE FOENICULUM	ANISE HYSSOP	102	#1	24" O.C.
AH	AMOSOMA HUBRICHTII	BLUESTAR	171	#1	24" O.C.
CA	CALAMAGROSTIS x ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER GRASS	289	#1	24" O.C.
PD	PENSTEMON DIGITALIS 'DARK TOWERS'	BEARDTONGUE	106	#1	18" O.C.
PV	PANICUM VIRGATUM	SWITCHGRASS	212	#1	36" O.C.

SEED MIXES

7,169 SF (SEED MIX) (NEW ENGLAND WETLAND MIX)
 *NOTE: OR APPROVED EQUAL, SUBJECT TO CONTRACTOR SUBMITTAL AND LANDSCAPE ARCHITECT APPROVAL

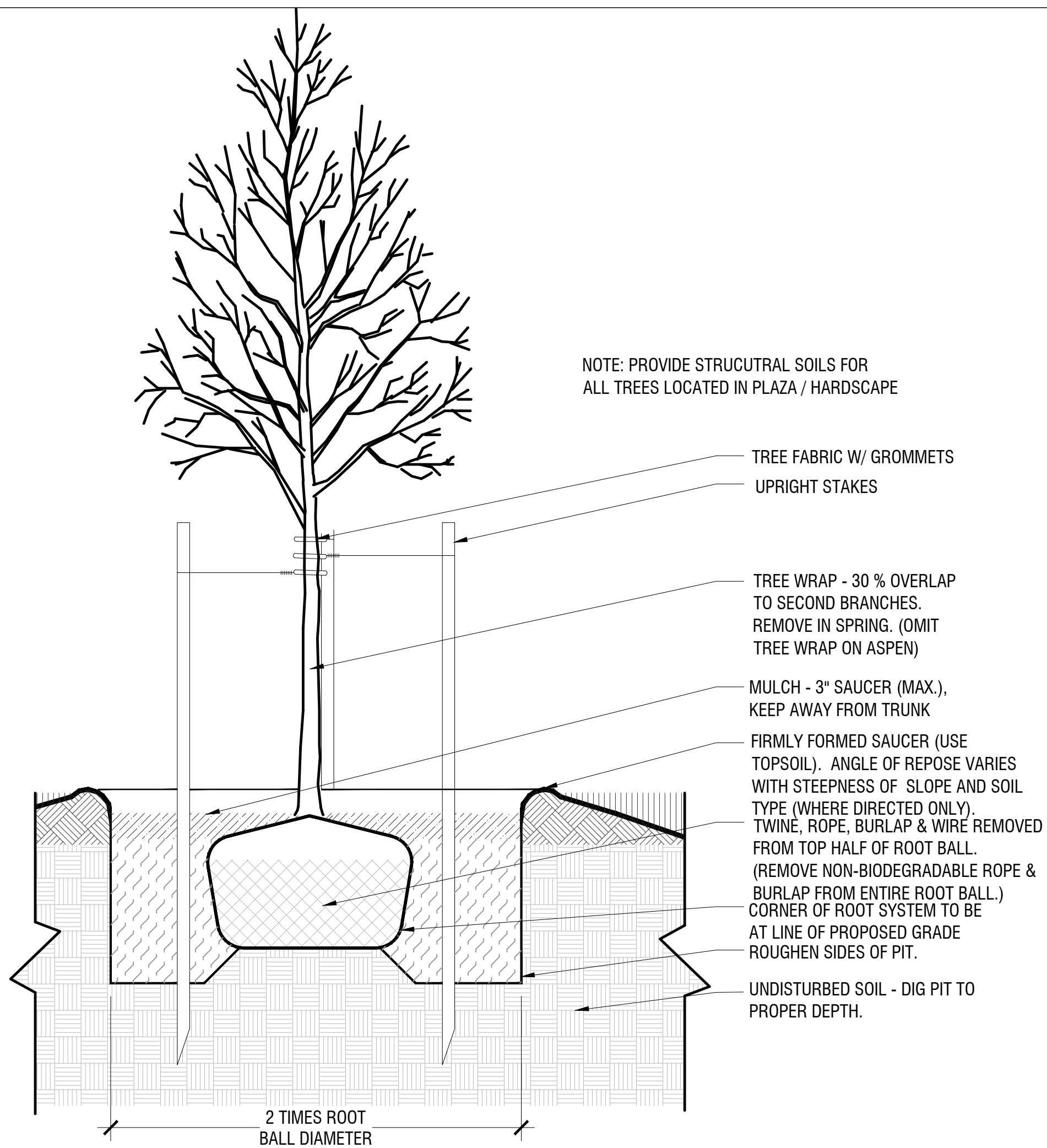
HTTPS://NEWP.COM
 18 LBS/ACRE | 2500 SQ FT/LB
 SPECIES: FOX SEDGE (CAREX VULPINODEA), LURID SEDGE (CAREX LURIDA), BLUNT BROOM SEDGE (CAREX SCOPARIA), BLUE VERVAIN (VERBENA HASTATA), FOWL BLUEGRASS (POA PALUSTRIS), HOP SEDGE (CAREX LUPULINA), GREEN BULRUSH (SCIRPUS ATROVIRENS), CREEPING SPIKE RUSH (ELEOCHARIS PALUSTRIS), FRINGED SEDGE (CAREX CRINITA), SOFT RUSH (JUNCUS EFFLUSUS), SPOTTED JOE PYE WEED (EUPATORIUM MACULATUM), RATTLESNAKE GRASS (GLYCERIA CANADENSIS), SWAMP ASTER (ASTER PUNICEUS), BLUEFLAG (IRIS VERSICOLOR), SWAMP MILKWEED (ASCLEPIAS INCARNATA), SQUARE STEMMED MONKEY FLOWER (MIMULUS RINGENS).

REVISIONS	DATE
50% CD SUBMITTAL	11/11/22
DRAFT PIC SUBMITTAL	11/03/23



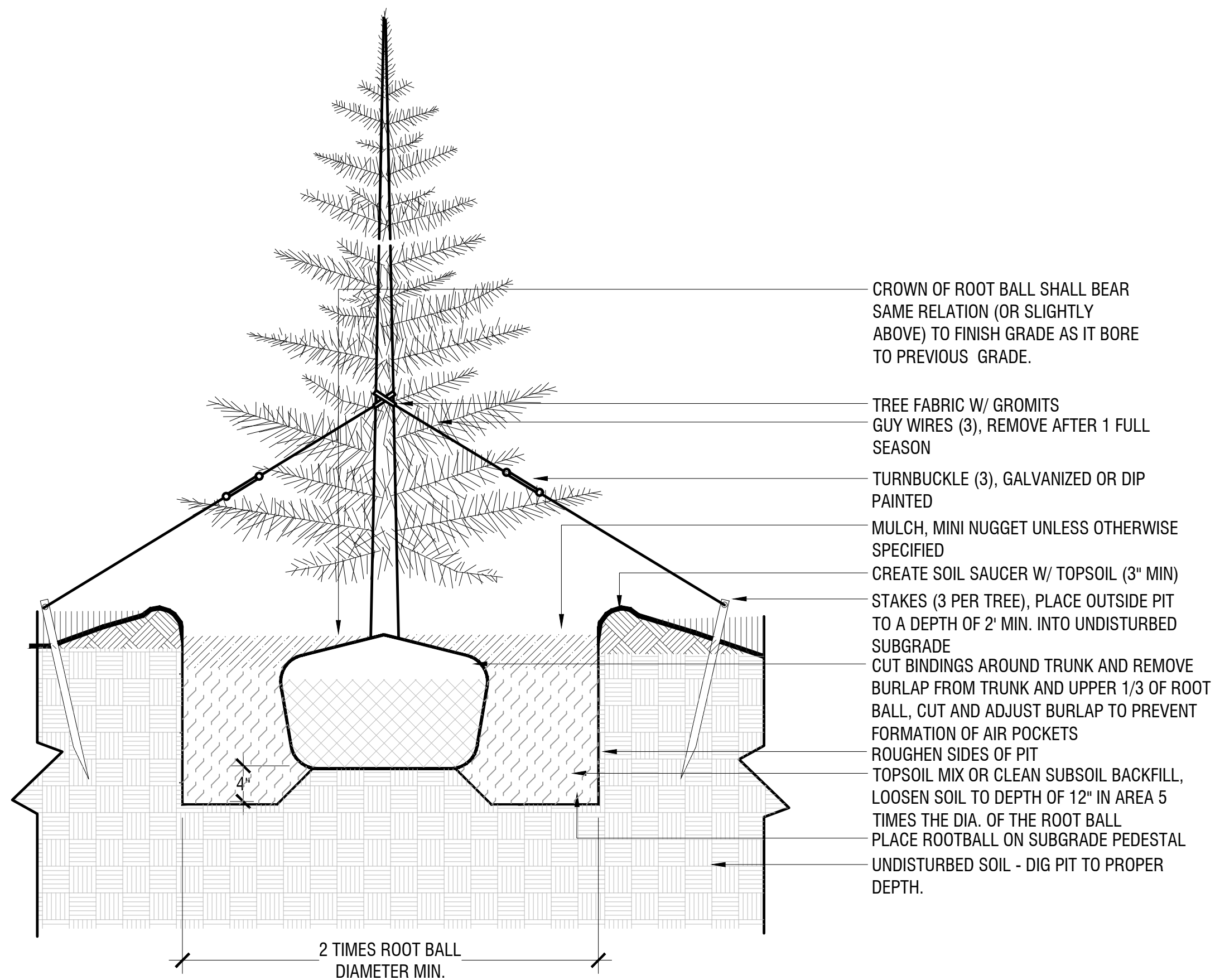
CUMBERLAND FARMS
 PARKING LOT

REVISIONS	DATE
50% CD SUBMITTAL	11/11/22
DRAFT PIC SUBMITTAL	11/03/23



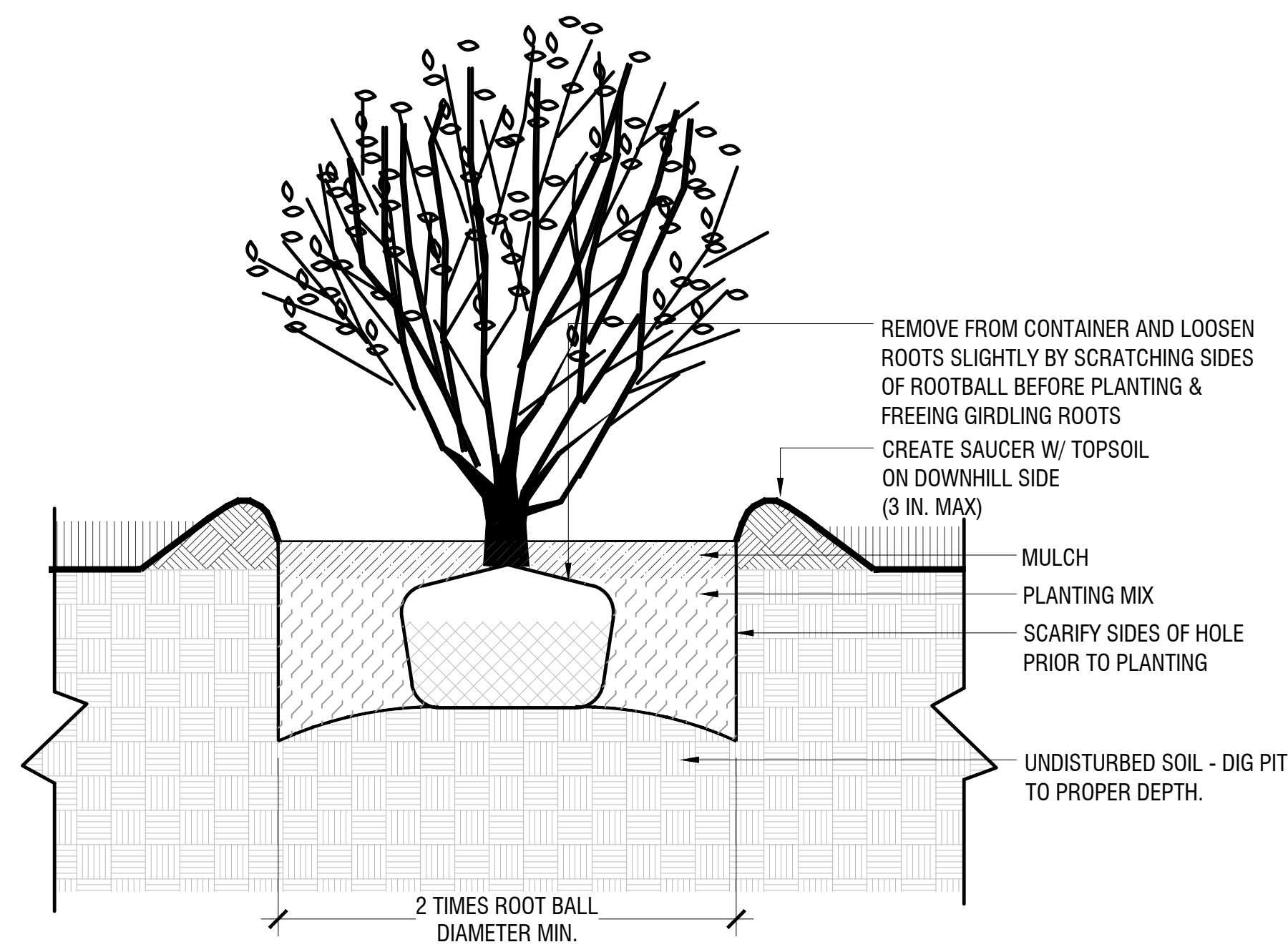
1 DECIDUOUS TREE PLANTING
1":1'-0"

xx



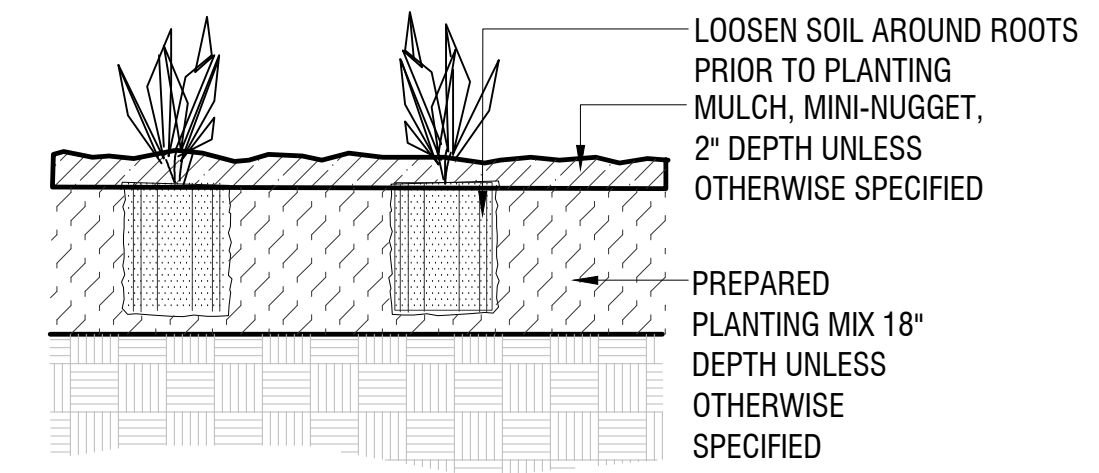
2 CONIFEROUS TREE PLANTING
1":1'-0"

xx



3 SHRUB PLANTING
1":1'-0"

xx



4 PERENNIAL PLANTING
1":1'-0"

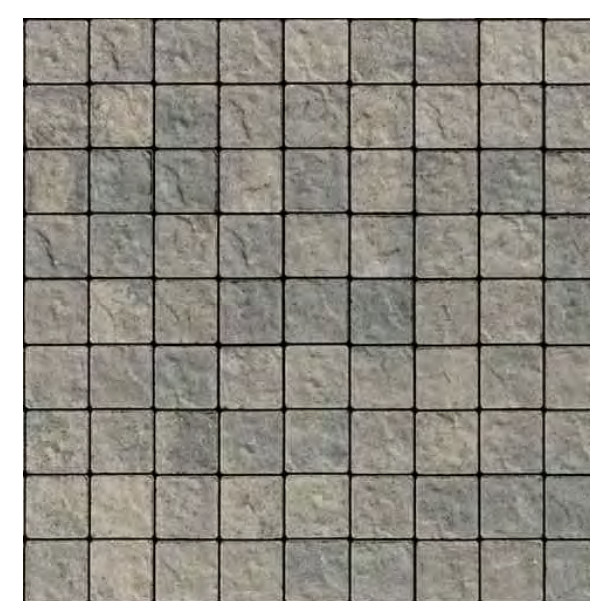
xx



DETAILS:
SOURCE: STREETLIFE OR APPROVED EQUAL
PRODUCT: SOLID BIKE PARKING OR APPROVED EQUAL
COLOR: ACCOYA WOOD, GALVANISED STEEL OR APPROVED EQUAL
QUANTITY: 05
DIMENSIONS: WIDTH: 18", HT: 30"
INSTALLATION: SURFACE MOUNTED, RECOMMENDED 3FT SPACING

5 STREETLIFE: SOLID BIKE PARKING
N.T.S

xx



DETAILS:
SOURCE: TECHO-BLOC OR APPROVED EQUAL
PRODUCT: SQUADRA COMMERCIAL PAVER OR APPROVED EQUAL
COLOR: SHALE GREY OR APPROVED EQUAL
SIZE: 2 3/8" x 3 1/4" x 3 1/4" BLOCKS
QTY: 305 SF

6 TECHOBLOC: SQUADRA PAVER
N.T.S

xx