

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



SANFORD

YORK COUNTY

SANFORD RAISE GRANT

WIN 22642.01

PROJECT LENGTH : SITE

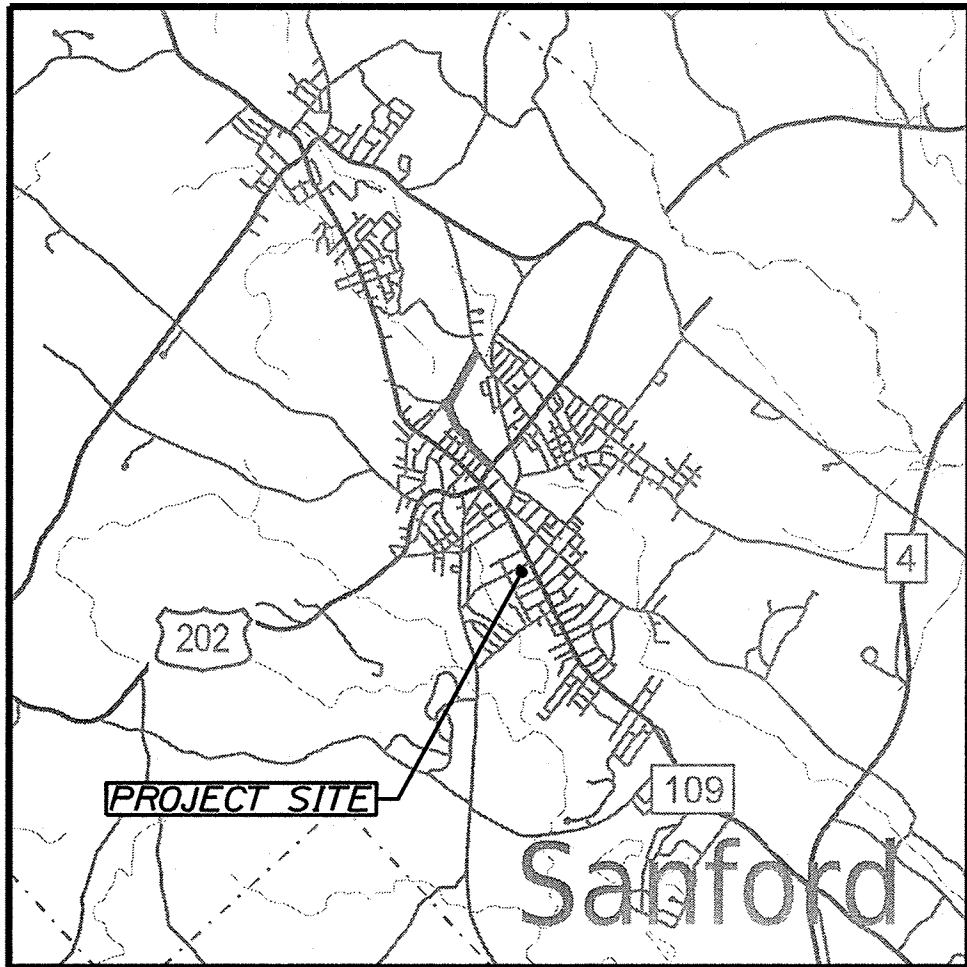
VOLUME 4 (EMERSON STREET PARKING FACILITY)

PLAN LEGEND

Town, County, State	Catch Basins	Existing	Proposed
Property Lines	Manholes	Existing	Proposed
R/W Lines-Existing	Proposed Underdrain		
R/W Lines-Proposed	Proposed Ditch		
Culvert-Existing	Existing Ditch		
Culvert Proposed	Utility Poles	Existing	Proposed
Curbing	Fire Hydrants	Existing	Proposed
Type 1	Existing Water Line		
Type 3	Existing San. Sewer		
Type 5	Existing San. Sewer Manhole		
Outline of Bodies of Water	Guardrail-Existing		
Exposed Bedrock	Guardrail-Proposed		
Buildings	Guardrail-Cable, Other		
Trees	Centerline-Existing		
Tree Line	Centerline-Proposed		
Clearing Limit Line	Travelway-Existing		
Railroad	Travelway-Proposed		

Boring HB-XXX-###
Pavement Core PC-#
Test Pit TP-XXX-###

Probe P-#.X
#.# = Depth
X = W (Weathered Rock)
R (Refusal)
NR (No Refusal)



Scale in Miles
LOCATION MAP

PROJECT LOCATION:

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

PROGRAM AREA:

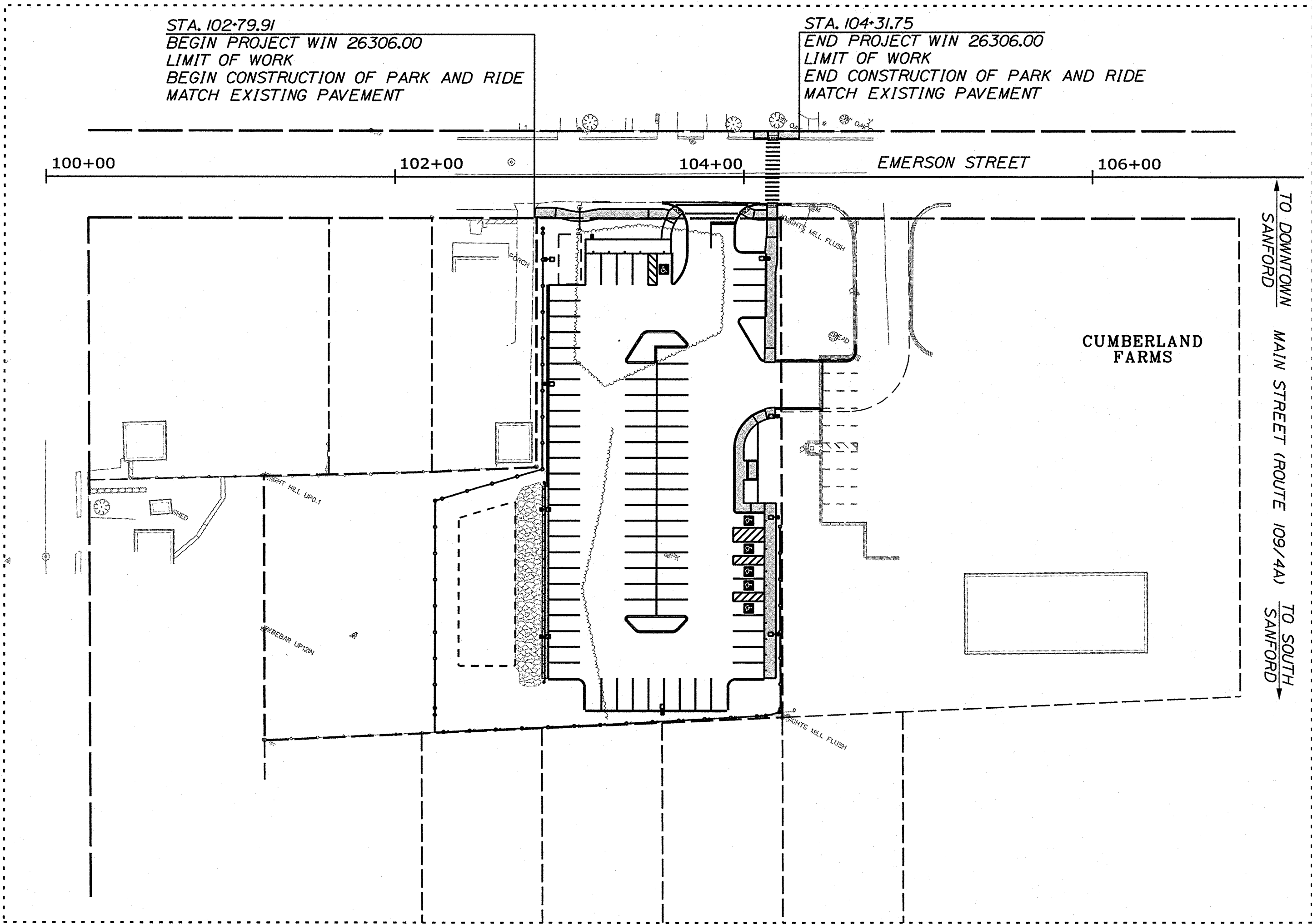
Multimodal Program - LAP

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.

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Estimated Quantities & Earthwork Summary	2
Drainage Schedule	3
General Notes	4
Construction Notes	5
Typical Sections	6
Details Sheet	7
Special Details - Bus Shelter	8
Special Details - Soil Filter	9
Special Details - Stormwater Filter	10-11
Grading & Drainage Plan	12
Signing & Striping Plan	13
Sign Summary	14
Geometric Curb Layout	15
General Plan	16
Profile Sheet	17
Right of Way Plan	18
Lighting Plan	Appendix A
Landscaping Plans	Appendix B

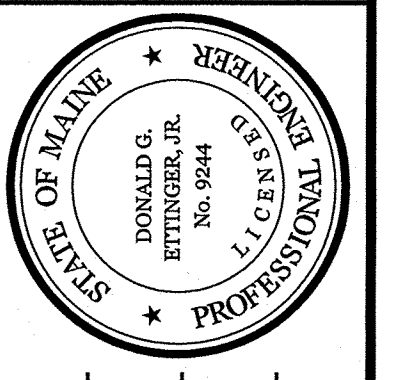


NOTE:
ALL WORK CONTEMPLATED UNDER THIS CONTRACT SHALL BE GOVERNED BY AND BE IN CONFORMITY WITH THE MAINE DOT STANDARD SPECIFICATIONS (MARCH 2020 EDITION), AND THE MAINE DOT STANDARD DETAILS (MARCH 2020). EXCEPT AS MODIFIED BY THE PLANS OR SPECIAL PROVISIONS AND ANY AND ALL CORRECTIONS, REVISIONS, OR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

PLAN
Scale of Feet



STATE OF MAINE DEPARTMENT OF TRANSPORTATION	DATE 9-8-2026
APPROVED [Signature]	COMMISSIONER [Signature]
	CHIEF ENGINEER [Signature]



SIGNATURE [Signature]	P.E. NUMBER 9244	DATE 08-12-2026
--------------------------	---------------------	--------------------

PROJECT INFORMATION	PROGRAM MULTIMODAL - LAP	PROJECT MANAGER M. HILL	DESIGNER J. WINCHENBACH	CONSULTANT LUB, INC.	PROJECT RESIDENT CONTRACTOR	PROJECT COMPLETION DATE
---------------------	-----------------------------	----------------------------	----------------------------	-------------------------	--------------------------------	-------------------------

SANFORD EMERSON STREET PARKING FACILITY	TITLE SHEET
---	-------------

SHEET NUMBER 1 OF 18

ESTIMATED QUANTITIES - BASE BID			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
107.51	PROSECUTION OF WORK - INITIAL SCHEDULE	0.04	LS
107.531	PROSECUTION OF WORK - BI-WEEKLY UPDATES	0.04	LS
201.11	CLEARING	0.55	AC
203.20	COMMON EXCAVATION	3500	CY
203.21	ROCK EXCAVATION	5	CY
206.07	STRUCTURAL ROCK EXCAVATION - DRAINAGE & MINOR STRUCTURES	5	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	1900	CY
403.2081	HOT MIX ASPHALT, 12.5 mm NOMINAL MAXIMUM SIZE (POLYMER MODIFIED)	290	T
403.209	HOT MIX ASPHALT, 9.5 mm NOMINAL MAXIMUM SIZE (SIDEWALKS, DRIVES, ISLANDS & INCIDENTALS)	6	T
403.2131	HOT MIX ASPHALT, 12.5 mm NOMINAL MAXIMUM SIZE (BASE AND INTERMEDIATE BASE COURSE, POLYMER MODIFIED)	490	T
409.15	BITUMINOUS TACK COAT, APPLIED	106	G
502.3414	STRUCTURAL CONCRETE BUS SHELTER FOUNDATION	2	CY
515.202	CLEAR PROTECTIVE COATING FOR CONCRETE SURFACES	346	SY
603.159	12 INCH CULVERT PIPE OPTION III	13	LF
603.169	15 INCH CULVERT PIPE OPTION III	304	LF
603.9704	STORMWATER TREATMENT SYSTEM	1	LS
604.09	CATCH BASIN TYPE B1	2	EA
604.18	ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	1	EA
606.1301	31" W-BEAM GUARDRAIL - MID-WAY SPLICE - SINGLE FACED	112.5	LF
606.265	TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	2	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	4	EA
606.356	UNDERDRAIN DELINEATOR POST	2	EA
607.142	WALK GATEWAY 4 FOOT - WHITE VINYL	1	EA
607.22	CEDAR RAIL FENCE	104	LF
607.461	SOLID WHITE VINYL FENCE - 8'	530	LF
608.08	REINFORCED CONCRETE SIDEWALK	270	SY
608.241	PRECAST CONCRETE PAVERS	30	SY
608.26	CURB RAMP DETECTABLE WARNING FIELD	44	SF
609.21	CONCRETE SLIPFORM CURB	498	LF
609.219	CONCRETE SLIPFORM CURB - TERMINAL CURB	84	LF
609.221	TERMINAL CURB TYPE 1	8	LF
609.34	CURB TYPE 5	187	LF
609.3401	TERMINAL CURB TYPE 5	22	LF
609.35	CURB TYPE 5 - CIRCULAR	52	LF
613.319	EROSION CONTROL BLANKET	31	SY
615.07	LOAM	75	CY
615.073	LOAM (PLANTING BEDS)	230	CY
615.27	UNDERDRAIN SOIL FILTER	1	LS
618.13	SEEDING METHOD NUMBER 1	6	UN
619.12	MULCH	6	UN
619.13	BARK MULCH	50	CY
621.046	EVERGREEN TR (8'-10') GP A	8	EA
621.279	LG DECID TR (2.5"-3" CAL) GP A	8	EA
621.54	DECID SHRUBS (18" - 24") GP A	29	EA
621.71	HERBACEOUS PERENNIALS GP A	847	EA
621.80	ESTABLISHMENT PERIOD	0.25	LS
626.11	PRECAST CONCRETE JUNCTION BOX	2	EA
626.21	METALLIC CONDUIT	90	LF
626.22	NON-METALLIC CONDUIT (1-INCH)	700	LF
626.221	NON-METALLIC CONDUIT, CONCRETE ENCASED	35	LF
626.38	GROUND MOUNTED CABINET FOUNDATION	1	EA
626.421	24-INCH DIAMETER FOUNDATION	63	LF
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	1800	LF
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	310	SF
627.77	REMOVING EXISTING PAVEMENT MARKING	20	SF
629.05	HAND LABOR, STRAIGHT TIME	8	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	8	HR
631.13	BULLDOZER (INCLUDING OPERATOR)	4	HR
631.14	GRADER (INCLUDING OPERATOR)	4	HR
631.172	TRUCK-LARGE (INCLUDING OPERATOR)	8	HR
631.18	CHAIN SAW RENTAL (INCLUDING OPERATOR)	4	HR
631.20	STUMP CHIPPER RENTAL (INCLUDING OPERATOR)	4	HR
631.32	CULVERT CLEANER (INCLUDING OPERATORS)	4	HR
634.160	HIGHWAY LIGHTING (PARK & RIDE)	1	LS
634.2041	LUMINAIRES	9	EA
634.210	CONVENTIONAL LIGHT STANDARD (15-FOOT POLE)	9	EA
645.292	REGULATORY, WARNING, CONFIRMATION, AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	170	SF
652.33	DRUM	10	EA
652.34	CONE	20	EA
652.35	CONSTRUCTION SIGNS	125	EA
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	150	CD
652.38	FLAGGERS	2000	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	0.03	LS
659.10	MOBILIZATION	0.03	LS
841.4712	STEEL BOLLARD, 6 INCH	14	EA
890.07	BIKE RACKS	5	EA

EARTHWORK SUMMARY

COMMON EXCAVATION FOR ESTIMATE

COMMON EXCAVATION (FROM SURFACES) (PAID UNDER 203.20)	3452 CY	
GRUBBING IN FILL	39 CY	
PAVEMENT SALVAGE IN FILL	9 CY	
TOTAL COMMON EXCAVATION (PAID UNDER 203.20)		3500 CY

COMMON EXCAVATION (WITHIN UNDERDRAIN SOIL FILTER PAY LIMIT)	681 CY	
GRUBBING IN FILL	62 CY	
TOTAL (APPROXIMATE) EXCAVATION FOR UNDERDRAIN SOIL FILTER (INCLUDED IN ITEM 615.27)		743 CY

COMMON EXCAVATION (WITHIN STORMWATER TREATMENT SYSTEM PAY LIMIT)	25 CY	
GRUBBING IN FILL	7 CY	
TOTAL (APPROXIMATE) EXCAVATION FOR STORMWATER TREATMENT SYSTEM (INCLUDED IN ITEM 603.9704)		32 CY

TOTAL COMMON EXCAVATION (ITEM 203.20, COMMON EXCAVATION)		3500 CY
TOTAL COMMON EXCAVATION		4275 CY

FILL FOR BORROW CALCULATIONS

COMMON FILL (FROM SURFACES)	17 CY	
GRUBBING IN FILL	39 CY	
PAVEMENT SALVAGE IN FILL	9 CY	
TOTAL FILL (NOT ASSOCIATED WITH THE LUMP SUM ITEMS)		65 CY

COMMON FILL (WITHIN UNDERDRAIN SOIL FILTER PAY LIMIT)	41 CY	
GRUBBING IN FILL	62 CY	
TOTAL (APPROXIMATE) FILL FOR UNDERDRAIN SOIL FILTER		103 CY

COMMON FILL (WITHIN STORMWATER TREATMENT SYSTEM PAY LIMIT)	2 CY	
GRUBBING IN FILL	7 CY	
TOTAL (APPROXIMATE) FILL FOR STORMWATER TREATMENT SYSTEM		9 CY

TOTAL FILL		177 CY
------------	--	--------

ROCK EXCAVATION FOR ESTIMATE

ROCK EXCAVATION (UNDETERMINED LOCATIONS)	5 CY	
--	------	--

TOTAL ROCK EXCAVATION (ITEM 203.21, ROCK EXCAVATION)		5 CY
--	--	------

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS

ALL DEDUCTIONS:		
GRUBBING IN CUT (FROM SURFACES)		972 CY
GRUBBING IN CUT (WITHIN UNDERDRAIN SOIL FILTER PAY LIMIT)		358 CY
GRUBBING IN CUT (WITHIN STORMWATER TREATMENT SYSTEM PAY LIMIT)		19 CY
GRUBBING IN FILL (FULL PROJECT)		108 CY
PAVEMENT SALVAGE (CUT & FILL) (FULL PROJECT)		9 CY

TOTAL DEDUCTIONS		1466 CY
------------------	--	---------

TOTAL AVAILABLE COMMON EXCAVATION (-) TOTAL DEDUCTIONS		2809 CY
--	--	---------

TOTAL AVAILABLE NON-ROCK EXCAVATION		2809 CY
-------------------------------------	--	---------

COMPUTATION OF WASTE MATERIAL

GRUBBING IN CUT (FULL PROJECT)		1349 CY
GRUBBING IN FILL (FULL PROJECT)		108 CY

TOTAL WASTE MATERIAL TO BE WASTED		1457 CY
-----------------------------------	--	---------

COMPUTATION FOR SURPLUS MATERIAL OR COMMON BORROW FOR ESTIMATE

TOTAL AVAILABLE NON-ROCK EXCAVATION	2809 CY x 0.90 =	2528 CY
TOTAL AVAILABLE ROCK EXCAVATION	5 CY x 1.30 =	7 CY

TOTAL AVAILABLE EXCAVATION		2535 CY
----------------------------	--	---------

BORROW NEEDED = TOTAL FILL (-) TOTAL AVAILABLE EXCAVATION		0 CY
---	--	------

IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION (-) TOTAL FILL, (+)		3815 CY
TOTAL WASTE MATERIAL TO BE WASTED		

SURPLUS MATERIAL		3815 CY
------------------	--	---------

COMMON BORROW		0 CY
---------------	--	------

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
22642.01

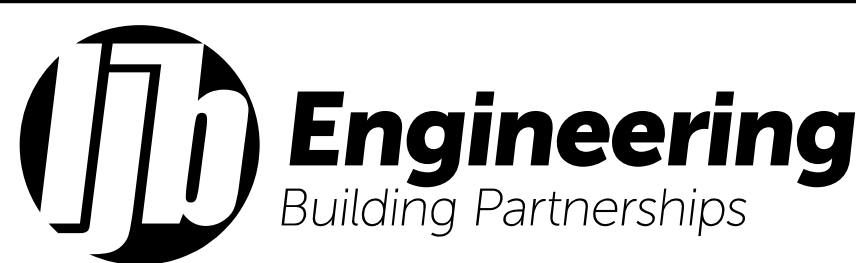
SANFORD
EMERSON STREET
PARKING FACILITY

ESTIMATED QUANTITIES &
EARTHWORK SUMMARY

SHEET NUMBER

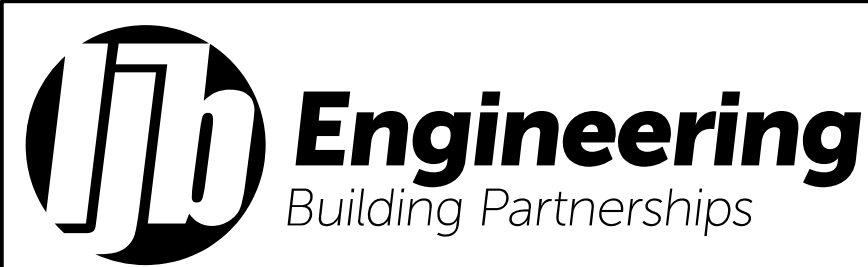
2

OF 18



STATION	CULVERT PIPE												CATCH BASIN					BOX CULVERT			MH	UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS		REMARKS
	RCP			CMP		OPTION I		OPTION III				TYPE B										TYPE C								
								SMOOTHLINED		CORRUGATED		TYPE B										OUTLET	SMOOTHLINED		CORRUGATED					
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	B5-C	B1-C	B1	F5-C	SPAN	RISE	LENGTH		LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH	DESCRIPTIONS			
CATCH BASINS																														
STA. 103+18.29, 255.20' RT. (DMH1)															/												WITH SOLID COVER			
STA. 103+18.26, 71.35' RT. (DMH2)															/												WITH SOLID COVER			
STA. 104+65.17, 103.24' RT. (CB 1)																											ADJUST CB TO GRADE			
ROADWAY CULVERTS																														
STA. 102+44.30, 273.21' RT. TO STA. 102+65.20, 300.49' RT.								4"	53'																	4 - 45' ELBOWS	INCLUDES OUTLET CONTROL VALVE			
STA. 102+65.12, 279.79' RT. TO STA. 102+65.19, 294.49' RT.								15"	15'																					
STA. 102+67.54, 295.62' RT. TO STA. 103+18.29, 255.20' RT.								15"	63'																					
STA. 103+00.30, 61.35' RT. TO STA. 103+00.30, 68.35' RT.								12"	7'																					
STA. 103+03.30, 71.35' RT. TO STA. 103+18.26, 71.35' RT.								12"	13'																					
STA. 103+18.29, 255.20' RT. TO STA. 103+18.26, 71.35' RT.								15"	180'																					
STA. 103+18.26, 71.35' RT. TO STA. 103+18.25, 6.35' RT.								15"	61'																					
UNDERDRAIN																														
STA. 102+44.29, 198.59' RT. TO STA. 102+44.30, 273.21' RT.																					75'						4" UD			
STA. 102+44.30, 273.21' RT. TO STA. 102+61.80, 273.20' RT.																					18'						4" UD			
STA. 102+53.04, 198.59' RT. TO STA. 102+53.05, 273.21' RT.																					75'						4" UD			
STA. 102+61.79, 198.58' RT. TO STA. 102+61.80, 273.20' RT.																					75'						4" UD			
STA. 102+92.48, 33.29' RT. TO STA. 103+00.30, 74.35' RT.																					54'					4 - 45' ELBOWS	4" UD - INCLUDES OUTLET CONTROL VALVE			
OUTLET CONTROL STRUCTURES																														
STA. 102+65.20, 297.49' RT. (OCS1)																											CENTER OF 72" OUTLET CONTROL STRUCTURE			
STA. 103+00.30, 71.35' RT. (OCS2)																											CENTER OF 72" OUTLET CONTROL STRUCTURE			

NOTES:
(1) ITEM INCLUDED UNDER THE LUMP SUM QUANTITY FOR ITEM 603.9704,STORMWATER TREATMENT SYSTEM (SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION).
(2) ITEM INCLUDED UNDER THE LUMP SUM QUANTITY FOR ITEM 615.27, UNDERDRAIN SOIL FILTER (SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION).



SANFORD
EMERSON STREET
PARKING FACILITY

DRAINAGE SCHEDULE

SHEET NUMBER

3

OF 18

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
22642.01

PROJ. MANAGER
DESIGN-DETAILED
CHECKED-REVIEWED
DESIGN-DETAILED
DESIGN-DETAILED
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

M. HILL
I. WARREN
J. WINTERBACH
—
—
—
—
—
—
—

BY
M. CUNDIFF
D. ETTINGER
—
—
—
—
—
—
—

DATE
08/26
08/26
—
—
—
—
—
—
—

SIGNATURE
P.E. NUMBER
DATE

Date:8/12/2026

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \00\Highway\004_GenNotes.dgn

U:\City of Sanford Maine\3421\12_Sanford Park & Ride LotV - CAD\00\Highway\004_GenNotes.dgn

GENERAL NOTES:

1. THE CONTRACTOR SHALL CONTACT DIG-SAFE AND APPROPRIATE AUTHORITIES PRIOR TO ANY SUBSURFACE ACTIVITIES.
2. THE UTILITIES INVOLVED IN THIS CONTRACT ARE NOTED IN SPECIAL PROVISION 104.
3. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITY UNLESS OTHERWISE NOTED.
4. THE LOCATION OF THE EXISTING UTILITIES AND DRAINAGE SHOWN ON THE PLANS WERE COMPILED FROM FIELD SURVEY. LOCATIONS ARE APPROXIMATE AND NOT GUARANTEED TO BE ACCURATE, NOR IS IT GUARANTEED THAT ALL UTILITIES ARE SHOWN. NO SEPARATE OR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR DUE TO ANY VARIANCE BETWEEN THE DATA SHOWN ON THE PLANS AND THE ACTUAL FIELD CONDITIONS ENCOUNTERED.
5. IT IS THE CONTRACTORS' RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS PRIOR TO BIDDING.
6. ANY NECESSARY FINE GRADING OR RECOMPACTION OF EXISTING GRAVEL SHALL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED INCIDENTAL TO APPLICABLE 304 PAY ITEMS.
7. PAVEMENT THICKNESSES SHOWN ON THE TYPICAL SECTIONS ARE INTENDED TO BE NOMINAL.
8. ALL JOINTS BETWEEN EXISTING AND PROPOSED HOT BITUMINOUS PAVEMENT SHALL BE SAWCUT AND VERTICAL, AS NOTED OR DIRECTED.
9. PROPOSED SAWCUT AND BOX GRAVEL LOCATIONS ARE SUBJECT TO CHANGE AT THE DIRECTION OF THE RESIDENT.
10. PAVEMENT CUT LINES SHALL BE NEAT, CLEAN AND STRAIGHT AS DIRECTED BY THE RESIDENT. PAYMENT FOR CUTTING OF EXISTING PAVEMENT SHALL BE INCIDENTAL TO 403 ITEMS.
11. PAYMENT FOR PAVEMENT AND CONCRETE REMOVAL WHERE SHOWN ON PLANS SHALL BE PAID FOR UNDER ITEM 203.20, COMMON EXCAVATION.
12. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING SHALL BE INCIDENTAL TO THE RELATED PAVING ITEMS. THE INCLUDES KILLING AND REMOVAL OF ALL VEGETATIVE MATTER.
13. THE CONTRACTOR SHALL PLAN AND CONDUCT WORK SO THAT UPON COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF THE PAVEMENT.
14. CLEARING LIMITS SHALL BE 5 FEET BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINES OR AS SHOWN ON THE PLANS, UNLESS OTHERWISE AUTHORIZED BY THE RESIDENT.
15. ALL DISTURBED SLOPE AREAS SHALL BE LOAMED AND SEEDED OR LANDSCAPED.
16. MULCH SHALL BE APPLIED IN AREAS SEEDED.
17. LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.
18. AREAS NOT DESIGNATED TO RECEIVE SPECIAL SEEDING OR LANDSCAPING AS NOTED IN APPENDIX B - LANDSCAPING PLANS, SHALL UTILIZE SEEDING METHOD NO.1.
19. AREAS NOT DESIGNATED AS PLANTING BEDS, AS NOTED IN APPENDIX B - LANDSCAPING PLANS, SHALL BE LOAMED TO A NOMINAL DEPTH OF 4 INCHES.
20. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
21. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE FILL SIDE SLOPES WITHOUT GUARDRAIL UNLESS OTHERWISE NOTED ON THE PLANS.
22. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE RESIDENT. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.
23. PROPERTY LINE AND RIGHT-OF-WAY MONUMENTS SHALL NOT BE DISTURBED BY CONSTRUCTION. IF DISTURBED, THEY SHALL BE RESET TO THEIR ORIGINAL LOCATIONS AT THE CONTRACTOR'S EXPENSE, BY A MAINE PROFESSIONAL LAND SURVEYOR.
24. DO NOT EXCAVATE FOR AGGREGATE SUBBASE COURSE WHERE EXISTING MATERIAL IS SUITABLE AS DETERMINED BY THE RESIDENT.
25. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL, LATEST EDITION.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL TREES AND SHRUBS ON THE PROJECT THAT ARE NOT NOTED FOR REMOVAL ON THE PLANS.
27. ALL WORK TO CONFORM TO CURRENT MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DETAILS, AND CITY OF SANFORD TECHNICAL MANUAL.

28. THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED MARKINGS, BY MEANS APPROVED BY THE RESIDENT.
29. FINAL STRIPING FOR THE PROJECT SHALL BE DONE BY THE CONTRACTOR PER THE STRIPING LAYOUT IN THE CONTRACT DOCUMENTS OR AS PROVIDED BY THE DEPARTMENT. PAYMENT SHALL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.
30. TWO REFLECTORIZED FLEXIBLE GUARDRAIL MARKERS (STANDARD SPECIFICATIONS ITEM 606.353, REFLECTORIZED FLEXIBLE GUARDRAIL MARKER) WILL BE INSTALLED AT EACH GUARDRAIL END.
31. ITEM 606.356, UNDERDRAIN DELINEATOR POST SHALL BE INSTALLED AS NOTED ON THE SIGNING & STRIPING PLANS TO DELINEATE EXISTING DRAINAGE FEATURES FOR FUTURE MAINTENANCE PURPOSES.
32. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
33. DETECTABLE WARNING FIELDS SHALL BE 24 INCHES WIDE AND EXTEND THE FULL WIDTH OF THE RAMP OPENINGS. ACTUAL PAYMENT FOR ITEM 608.26 SHALL INCLUDE ANY CUTTING OF THE DETECTABLE WARNING FIELDS AND ALL CONCRETE WORK REQUIRED BY THE DETAILS.
34. BACKING UP CONCRETE SLIPFORM CURB IS INCIDENTAL TO THE CURB ITEMS. IN AREAS WHERE CURB IS DESIGNATED TO REPLACE EXISTING, THE REMOVAL OF THE OLD CURB SHALL BE INCIDENTAL TO THE NEW CURB. IF CALLED FOR ON THE PLANS OR DIRECTED BY THE RESIDENT, LOAM OR DIRTY BORROW WILL BE PAID FOR SEPARATELY.
35. REMOVAL OF EXISTING CURBING SHALL BE CONSIDERED INCIDENTAL TO ITEM 203.20 - COMMON EXCAVATION.
36. ALL GRANITE CURBING THAT IS REMOVED AND STACKED AND NOT REUSED ON THE PROJECT SHALL BE TURNED OVER TO THE CITY OF SANFORD. PAYMENT FOR WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 203.20, COMMON EXCAVATION. CURBING SHALL BE DELIVERED TO THE SANFORD PUBLIC WORKS BUILDING LOCATED AT 156 SCHOOL STREET.
37. CUTTING OF EXISTING CURB SHALL BE INCIDENTAL TO CURB PAY ITEMS OF THE CONTRACT.
38. ALL PROPOSED PEDESTRIAN RAMPS SHALL BE ADA COMPLIANT.
39. STATIONS AND/OR COORDINATES REFERENCED ARE APPROXIMATE.
40. CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS, RAMPS AND LANDINGS TO BE ADA COMPLIANT IN ACCORDANCE WITH THE MAINE DOT'S LATEST STANDARD DETAILS AND RELATED NOTES. THESE STANDARD DETAILS AND NOTES APPLY TO ALL SIDEWALK TYPES (BITUMINOUS, CONCRETE, BRICK, ETC.). CONTRACTOR SHALL VERIFY THAT ALL GRADES AND SLOPES ARE ADA COMPLIANT PRIOR TO PLACEMENT OF THE SURFACE MATERIAL AND SHALL COORDINATE WITH THE RESIDENT AND MAINE DOT ON ANY NON-COMPLIANT LOCATIONS (PRIOR TO PLACEMENT OF SURFACE MATERIAL). CONTRACTOR SHALL ALSO VERIFY THAT ALL GRADES AND SLOPES ARE ADA COMPLIANT AFTER PLACEMENT OF THE SURFACE MATERIAL. FAILURE TO CONSTRUCT SIDEWALKS, RAMPS AND LANDINGS TO BE ADA COMPLIANT MAY RESULT IN REJECTION OF WORK BY THE RESIDENT. CONTRACTOR SHALL REBUILD ALL REJECTED WORK AREAS AT NO ADDITIONAL COST TO THE PROJECT. CONTRACTOR SHALL PLAN THE WORK ACCORDINGLY. IF THERE IS A CONDITION THAT DOES NOT ALLOW FOR FULL ADA COMPLIANCE, THEN THE CONTRACTOR SHOULD REQUEST THE RESIDENT FILL OUT AND SUBMIT FOR APPROVAL, A TECHNICAL INFEASIBILITY FORM TO DOCUMENT THE REASONS FOR NON-COMPLIANCE.
41. REMOVAL AND DISPOSAL OF EXISTING FENCE SHALL BE CONSIDERED INCIDENTAL TO 607 ITEMS.
42. NO SEPARATE PAYMENT FOR SUPERINTENDANT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT AND LAYOUT OF WORK BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
43. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.
44. THE UNDERDRAIN SOIL FILTER SHALL BE PAID UNDER ITEM 615.27 - UNDERDRAIN SOIL FILTER. PAYMENT SHALL INCLUDE ALL MATERIALS, GRADING, LABOR AND INCIDENTALS NECESSARY TO CONSTRUCT UNDERDRAIN SOIL FILTER, SEDIMENT FOREBAYS, SPILLWAY, BERMS, ETC. AS SHOWN ON PLANS AND/OR INDICATED IN SPECIAL PROVISION 615. LIMITS OF PAYMENT FOR ITEM 615.27 ARE INDICATED ON THE GRADING & DRAINAGE PLAN.
45. THE STORMWATER TREATMENT SYSTEM SHALL BE PAID FOR UNDER ITEM 603.9704, STORMWATER TREATMENT SYSTEM. PAYMENT SHALL INCLUDE ALL MATERIALS, GRADING, LABOR, AND INCIDENTALS NECESSARY TO CONSTRUCT THE STORMWATER TREATMENT SYSTEM, SUBSURFACE STORAGE, BERMS, SPILLWAY, SEDIMENT FOREBAY, ETC. AS SHOWN ON THE PLANS AND/OR INDICATED IN SPECIAL PROVISION 603. LIMITS OF PAYMENT FOR ITEM 603.9704 ARE INDICATED ON THE GRADING & DRAINAGE PLAN.
46. ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR DIRECTED BY THE RESIDENT.
47. CATCH BASINS, MANHOLES, AND OTHER UTILITIES SHALL BE DROPPED AND PLATED PRIOR TO BASE PAVING, THEN ADJUSTED TO FINAL GRADE BEFORE FINAL WEARING COURSE PAVING. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE RESPECTIVE PAY ITEMS.
48. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION AREAS.

49. THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTHLINED PIPES.
50. EXISTING ABANDONED MAINS BROKEN BY THE CONTRACTOR DURING CONSTRUCTION SHALL HAVE THE ENDS PLUGGED WITH BRICK AND MORTAR. COST FOR ALL LABOR AND MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO DIRECT PAYMENT WILL BE MADE.
51. DRIVEWAY ACCESS SHALL BE MAINTAINED AT ALL TIMES.
52. CATCH BASIN AND RIM ELEVATIONS NOTED ON THE PLANS ARE THE TOP OF GRATE ELEVATIONS AT THE CENTER OF THE GRATE. CATCH BASIN OFFSET LOCATIONS ARE MEASURED TO THE CENTER OF GRATE.
53. ANY NECESSARY CUTTING OF EXISTING CATCH BASINS TO ALLOW FOR PROPOSED PIPE CONNECTIONS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO STANDARD SPECIFICATIONS SECTION 603, PIPE CULVERTS AND STORM DRAINS OR STANDARD SPECIFICATIONS SECTION 605, UNDERDRAINS.
54. ALL CONCRETE SIDEWALKS/PATHWAYS TO BE CONSTRUCTED WITH 10" AGGREGATE SUBBASE COURSE - GRAVEL AND 4" REINFORCED CONCRETE WITH FIBER REINFORCEMENT ONLY.
55. ALL PAVED SIDEWALKS TO BE CONSTRUCTED WITH 12" AGGREGATE SUBBASE COURSE - GRAVEL AND 2" HOT MIX ASPHALT UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
56. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING OPERATIONAL BUSINESS DIRECTIONAL SIGNS (OBDS) TO ENSURE THAT THEY ARE VISIBLE TO THE TRAVELING PUBLIC. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
57. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATION 703.19 AND WILL BE CONSIDERED INCIDENTAL TO THE 603 AND 605 ITEMS.
58. FLAT TOPS FOR CATCH BASINS ARE NOT ALLOWED UNLESS NOTED ON THE PLANS OR APPROVED BY THE RESIDENT.
59. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
60. PLASTIC END CAPS SHALL BE PLACED ON THE INLET END OF ALL DEAD-END 4-INCH TYPE B UNDERDRAIN AND SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.
61. THE PROJECT'S SUBSURFACE EXPLORATION SERVICES SUMMARY DATED JUNE 12, 2023 SHALL BE MADE AVAILABLE BY THE MAINE DOT.
62. GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THE BID DOCUMENTS IS FOR THE USE OF THE BIDDERS. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF THE ACTUAL SUBSURFACE CONDITIONS THROUGHOUT THE CONSTRUCTION SITE. MAINE DOT WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONCLUSIONS DRAWN FROM THE GEOTECHNICAL INFORMATION, THE BORING LOGS PROVIDED IN THE BID DOCUMENTS (IF ANY) PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.
63. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED CONCRETE BUS SHELTER PAD (SEE SPECIAL DETAILS - BUS SHELTER) INCLUDING THE ANCHORING SHOES PER THE DETAILS PROVIDED. THE ACTUAL BUS SHELTER SHALL BE PROVIDED AND INSTALLED BY OTHERS FOLLOWING THE COMPLETION OF THE PARK AND RIDE FACILITY.
64. A REVIEW OF THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION (MDEP) FILE ROOM DATABASES SPECIFIC TO SANFORD, ME WAS CONDUCTED TO IDENTIFY KNOWN / DOCUMENTED SOURCES OF PETROLEUM PRODUCT AND / OR HAZARDOUS SUBSTANCE STORAGE AND RELEASES WITHIN OR ADJACENT TO THE PROPOSED PARK & RIDE PROJECT AREA. THERE IS A CUMBERLAND FARMS RETAIL GASOLINE FACILITY (975 MAIN STREET) LOCATED AT THE PROPERTY DIRECTLY ADJACENT AND EAST OF THE PROJECT LOCATION. RECORDS REVIEWED IDENTIFIED MDEP DOCUMENTED GASOLINE SPILLS ASSOCIATED WITH THE CUMBERLAND FARMS FACILITY. HOWEVER, NONE OF THE IDENTIFIED SPILLS WERE OF SIGNIFICANT VOLUME, THEREFORE ARE NOT ANTICIPATED TO IMPACT SUBSURFACE CONDITIONS AT THE PROJECT SITE. FURTHERMORE, SUBSURFACE IMPACTS ASSOCIATED WITH THE CURRENT ARRAY OF UNDERGROUND STORAGE TANKS (USTS) AT THE CUMBERLAND FARMS ARE NOT EXPECTED TO HAVE SIGNIFICANT SUBSURFACE PRODUCT RELEASES, PRIMARILY DUE TO RELATIVELY RECENT INSTALLATION OF THESE TANKS, AND FUEL DISCHARGE PREVENTION SAFEGUARDS ASSOCIATED WITH NEWER UST INSTALLATIONS. THIS REVIEW DID NOT IDENTIFY ANY SPECIFIC DOCUMENTED RELEASES OF PETROLEUM PRODUCTS / HAZARDOUS SUBSTANCES WITHIN OR ADJACENT TO THE PROJECT AREA THAT WOULD NECESSARILY IMPACT PROPOSED AREAS OF EXCAVATION. HOWEVER, THE PROJECT AREA IS IN AN URBAN SETTING WITH DIVERSE HISTORIC USES, POTENTIALLY INCLUDING UNKNOWN HISTORIC STORAGE AND RELEASES OF PETROLEUM PRODUCTS AND / OR HAZARDOUS SUBSTANCES. ALTHOUGH IT IS UNLIKELY THAT PROPOSED AREAS OF EXCAVATION WILL ENCOUNTER OIL OR HAZARDOUS MATERIAL CONTAMINATION, THE CONTRACTOR SHALL REMAIN ALERT FOR EVIDENCE OF PETROLEUM PRODUCT AND / OR HAZARDOUS SUBSTANCE IMPACTS. IN THE EVENT THE CONTRACTOR ENCOUNTERS EVIDENCE OF SOIL OR GROUNDWATER CONTAMINATION, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE IMPACTED AREA, SECURE THE EXCAVATION, AND NOTIFY THE RESIDENT. IN ADDITION, THE CONTRACTOR SHALL EMPLOY APPROPRIATE HEALTH AND SAFETY MEASURES TO PROTECT ITS WORKERS AGAINST HAZARDS ASSOCIATED WITH WORKING NEAR PETROLEUM / HAZARDOUS MATERIAL IMPACTED SOIL AND / OR GROUNDWATER. THE RESIDENT SHALL CONTACT THE SENIOR GEOLOGIST IN MAINE DOT'S ENVIRONMENTAL OFFICE AT 207-624-3000, AND THE MDEP AT 800-482-0777. WORK MAY ONLY CONTINUE WITH AUTHORIZATION FROM THE RESIDENT.
65. CROSS SLOPES FOR NORMAL AND SUPERELEVATED SECTIONS WILL BE STRAIGHT UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.

CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073		WIN 22642.01				
SANFORD EMERSON STREET PARKING FACILITY	PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE	
	DESIGN-DETAILED	T. WARREN	M. CUNIFF	08/26		
	CHECKED-REVIEWED	J. WILCHERBAH	D. ETTINGER	08/26		
	DESIGN2-DETAILED2	-	-	-		
	DESIGN3-DETAILED3	-	-	-		
	GENERAL NOTES	REVISIONS 1	-	-	-	P.E. NUMBER
		REVISIONS 2	-	-	-	DATE
		REVISIONS 3	-	-	-	
		REVISIONS 4	-	-	-	
		FIELD CHANGES	-	-	-	
SHEET NUMBER		4				
OF 18						

ITEM 201.11 - CLEARING				
LOCATION				
NORTHING	EASTING	TO	NORTHING	EASTING
219305.1826	878376.8364		219342.2200	878451.1002
219095.0698	878334.3167		219216.0549	878445.6960

ITEM 502.3414 - STRUCTURAL CONCRETE BUS SHELTER FOUNDATION				
LOCATION				
	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 606.1301 - 31" W-BEAM GUARDRAIL - MID-WAY SPLICE - SINGLE FACED				
LOCATION				
NORTHING	EASTING	TO	NORTHING	EASTING
219169.9857	878426.6033		219070.0359	878478.2395
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			
219169.9857	878426.6033			
219070.0359	878478.2395			

ITEM 606.353 - REFLECTORIZED FLEXIBLE GUARDRAIL MARKER				
LOCATION				
NORTHING	EASTING			
219169.9857	878426.6033			
219070.0359	878478.2395			

ITEM 606.356 - UNDERDRAIN DELINEATOR POST				
LOCATION				
NORTHING	EASTING			
219067.6229	878457.3413			
219050.6657	878468.1829			

ITEM 607.142 - WALK GATEWAY 4 FOOT - WHITE VINYL				
LOCATION				
NORTHING	EASTING			
219025.5104	878430.3512			

ITEM 607.22 - CEDAR RAIL FENCE				
LOCATION				
NORTHING	EASTING	TO	NORTHING	EASTING
219210.1885	878557.6180		219118.0220	878605.7983
104 LF				

ITEM 607.461 - SOLID WHITE VINYL FENCE - 8'				
LOCATION				
NORTHING	EASTING	TO	NORTHING	EASTING
219299.0941	878358.2149		219027.2873	878429.4333
219023.7336	878431.2692		219115.9068	878606.1218
320 LF				
210 LF				

ITEM 608.26 - CURB RAMP DETECTABLE WARNING FIELD				
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

NOTES
INCLUDED UNDER ITEM 615.27, UNDERDRAIN SOIL FILTER
INCLUDED UNDER ITEM 615.27, UNDERDRAIN SOIL FILTER
INCLUDED UNDER ITEM 603.9704, STORMWATER TREATMENT SYSTEM

ITEM 613.319 - EROSION CONTROL BLANKET				
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		
878464.8463		219091.6032		
878431.5720		219156.0108		
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
22642.01

PROJ. MANAGER	DATE		BY	M. HILL	SIGNATURE	
	CHECKED-DETAILED	08/26				
	CHECKED-REVIEWED	08/26				
	DESIGN-DETAILED	-			P.E. NUMBER	
	DESIGN-DETAILED	-			DATE	

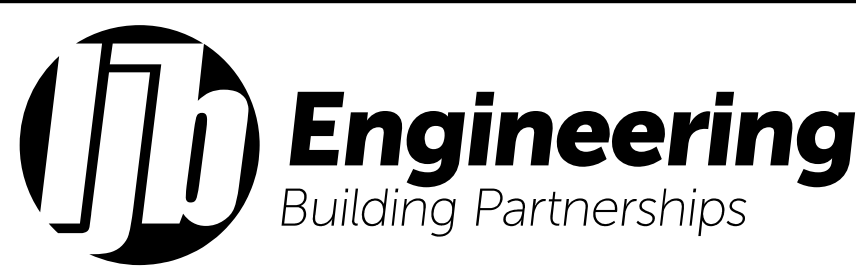
SANFORD
EMERSON STREET
PARKING FACILITY

CONSTRUCTION NOTES

SHEET NUMBER

5

OF 18



Date:8/12/2026

Username: Mike.Cundiff

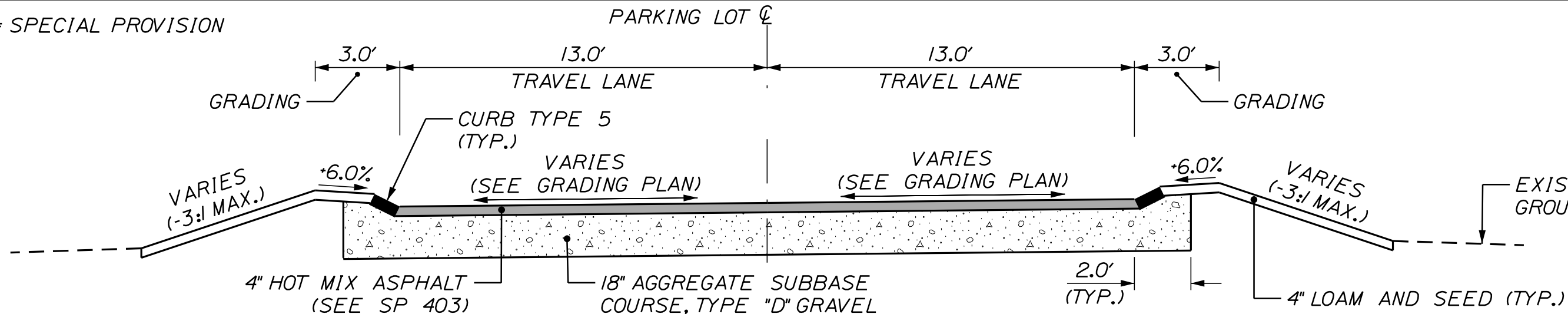
Division: HIGHWAY

Filename: ...\\00\\Highway\\006_Typical.dgn

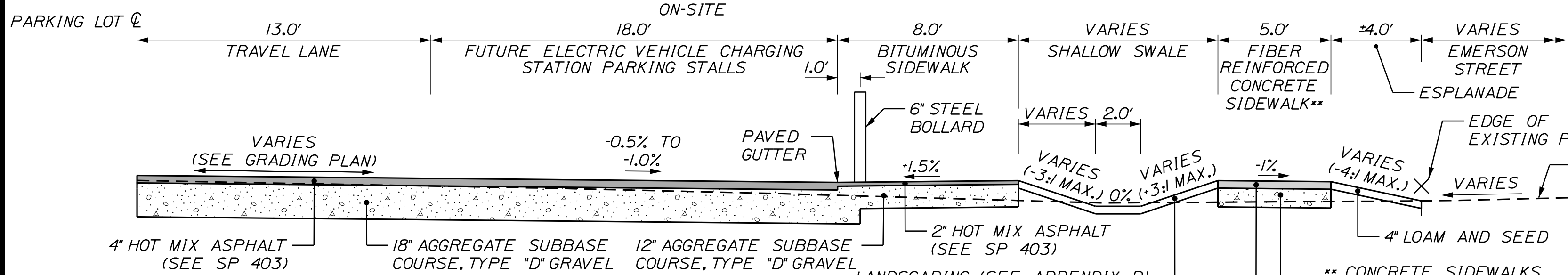
U:\City of Sanford Maine\342112_Sanford Park & Ride Lot\Z - CAD\00\Highway\006_Typical.dgn

SP = SPECIAL PROVISION

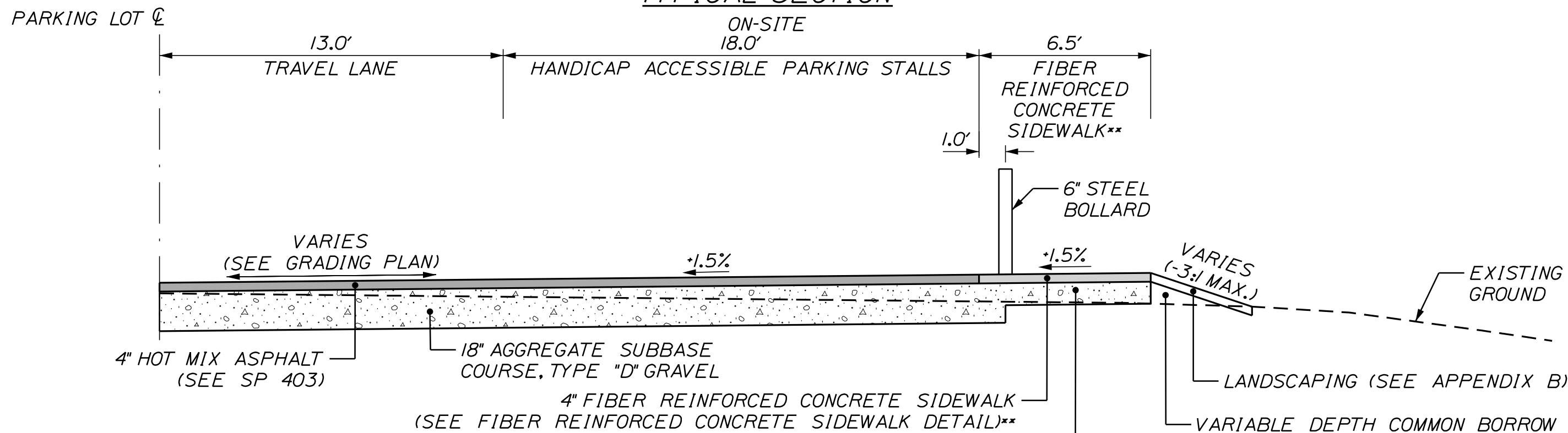
NOT TO SCALE



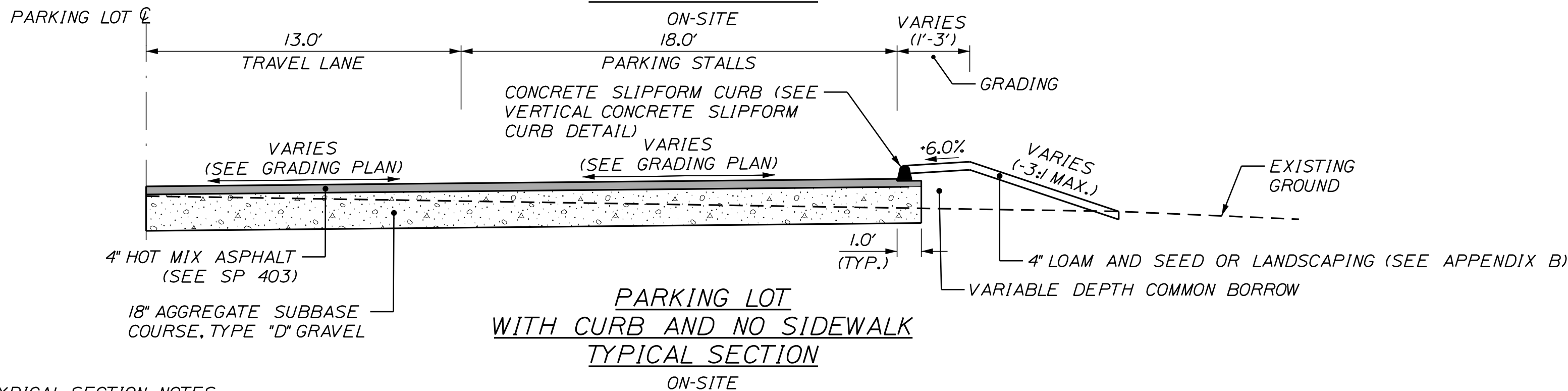
PARKING LOT ENTRANCE
(CONNECTION TO CUMBERLAND FARMS)
TYPICAL SECTION



PARKING LOT WITH FUTURE ELECTRIC VEHICLE CHARGING STATION
TYPICAL SECTION



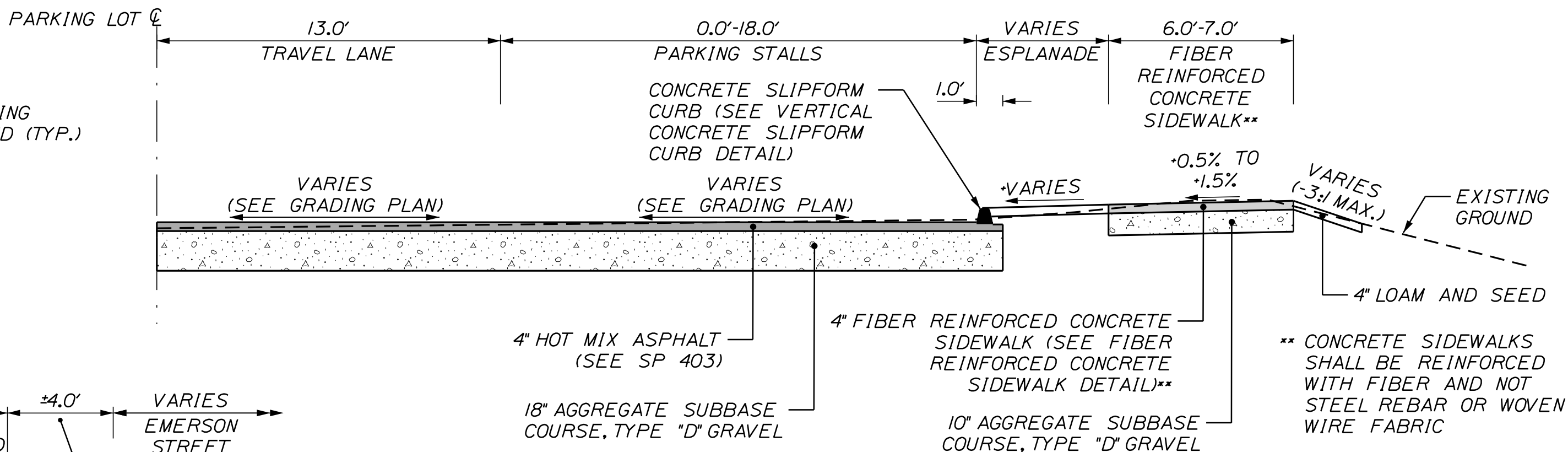
PARKING LOT WITH HANDICAP ACCESSIBLE PARKING STALLS
AND SIDEWALK
TYPICAL SECTION



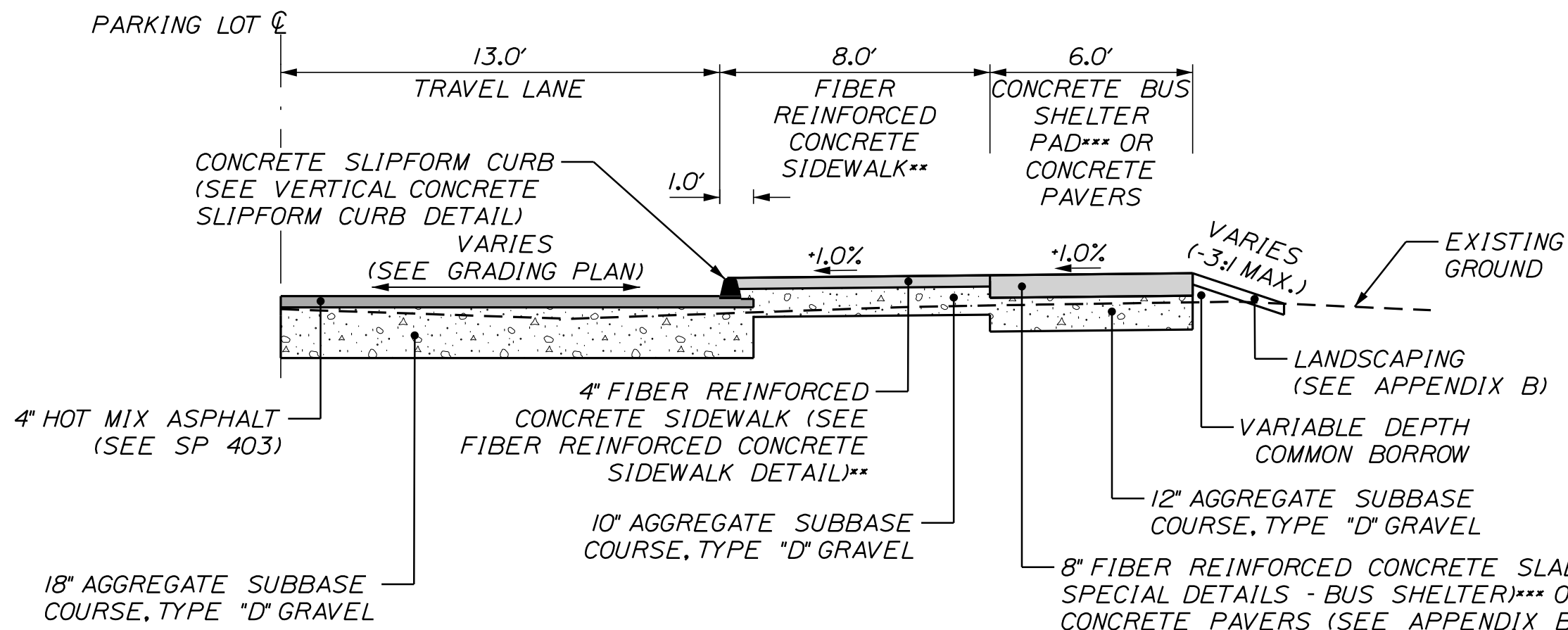
PARKING LOT WITH CURB AND NO SIDEWALK
TYPICAL SECTION

TYPICAL SECTION NOTES:

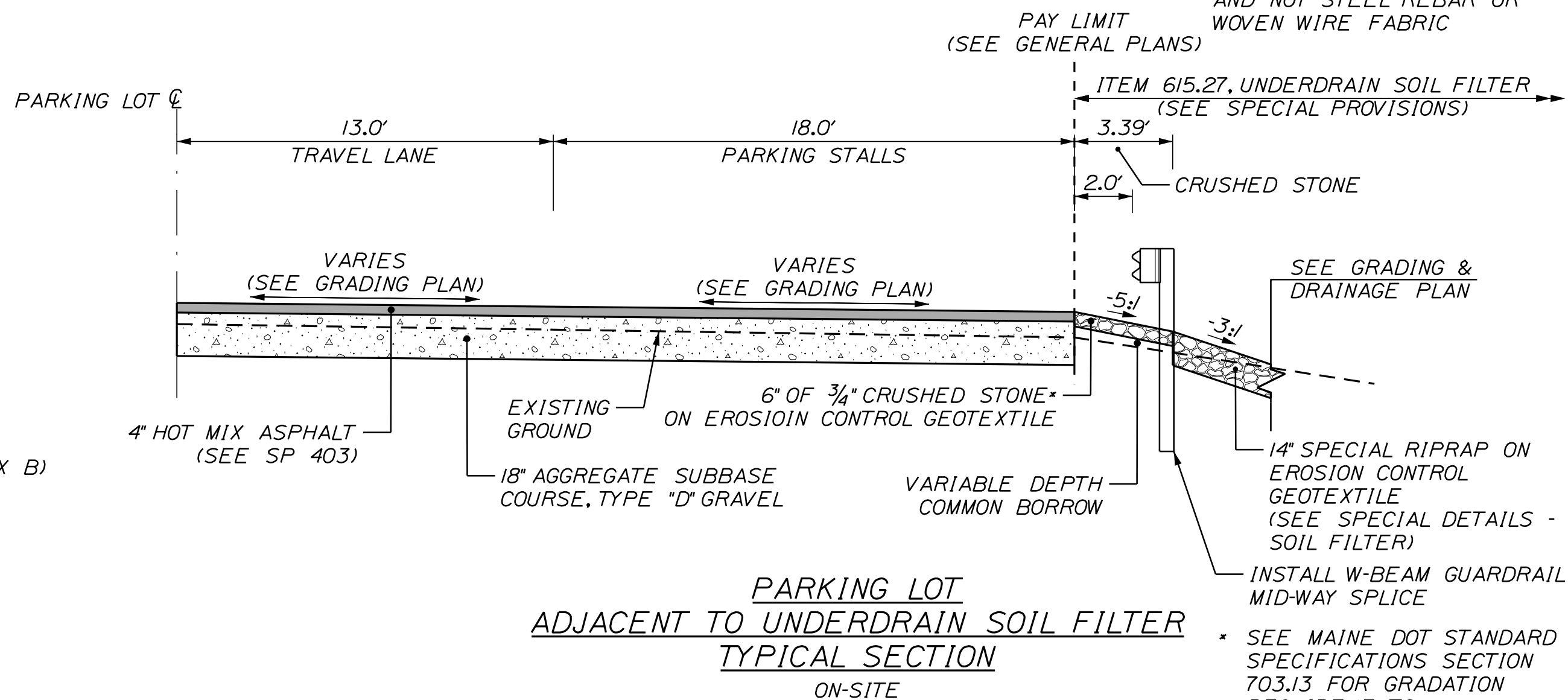
1. CONCRETE SLIPFORM CURB, MOLD 1 SHALL BE PLACED ON BASE PAVEMENT. THE SURFACE PAVEMENT SHALL BE PAVED UP TO THE FACE OF CURB.
2. SAWCUT LOCATIONS SHALL BE 2' INSIDE PROPOSED CURB OR EDGE OF EXISTING PAVEMENT, WHICHEVER IS CLOSEST TO THE ROADWAY CENTERLINE, UNLESS OTHERWISE NOTED ON THE PLANS. COORDINATE WORK WITH THE RESIDENT.
3. PROPOSED CURB REVEAL MAY VARY IN AREAS OF SIDEWALK RAMPS AND LANDINGS. SEE THE GRADING AND DRAINAGE PLAN FOR ADDITIONAL INFORMATION.



PARKING LOT WITH CURB AND SIDEWALK
TYPICAL SECTION



PARKING LOT CURB AND SIDEWALK INSTALLATION
AT BUS STOP
TYPICAL SECTION



PARKING LOT ADJACENT TO UNDERDRAIN SOIL FILTER
TYPICAL SECTION

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
22642.01

PROJ. MANAGER	CHECKED	DESIGNED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
T. WARREN	M. CUNDIFF	D. EITINGER	08/26					
DESIGNED	REVIEWED	DESIGNED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGNED	REVIEWED	DESIGNED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGNED	REVIEWED	DESIGNED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGNED	REVIEWED	DESIGNED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGNED	REVIEWED	DESIGNED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGNED	REVIEWED	DESIGNED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGNED	REVIEWED	DESIGNED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGNED	REVIEWED	DESIGNED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE

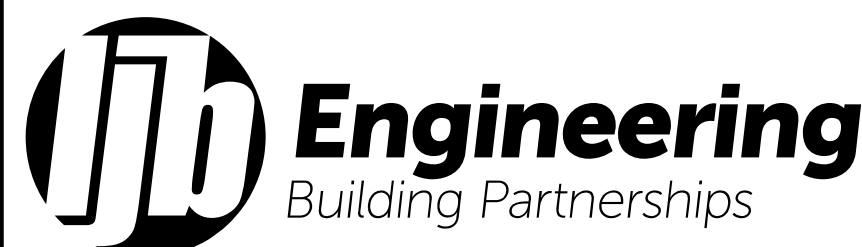
SANFORD
EMERSON STREET
PARKING FACILITY

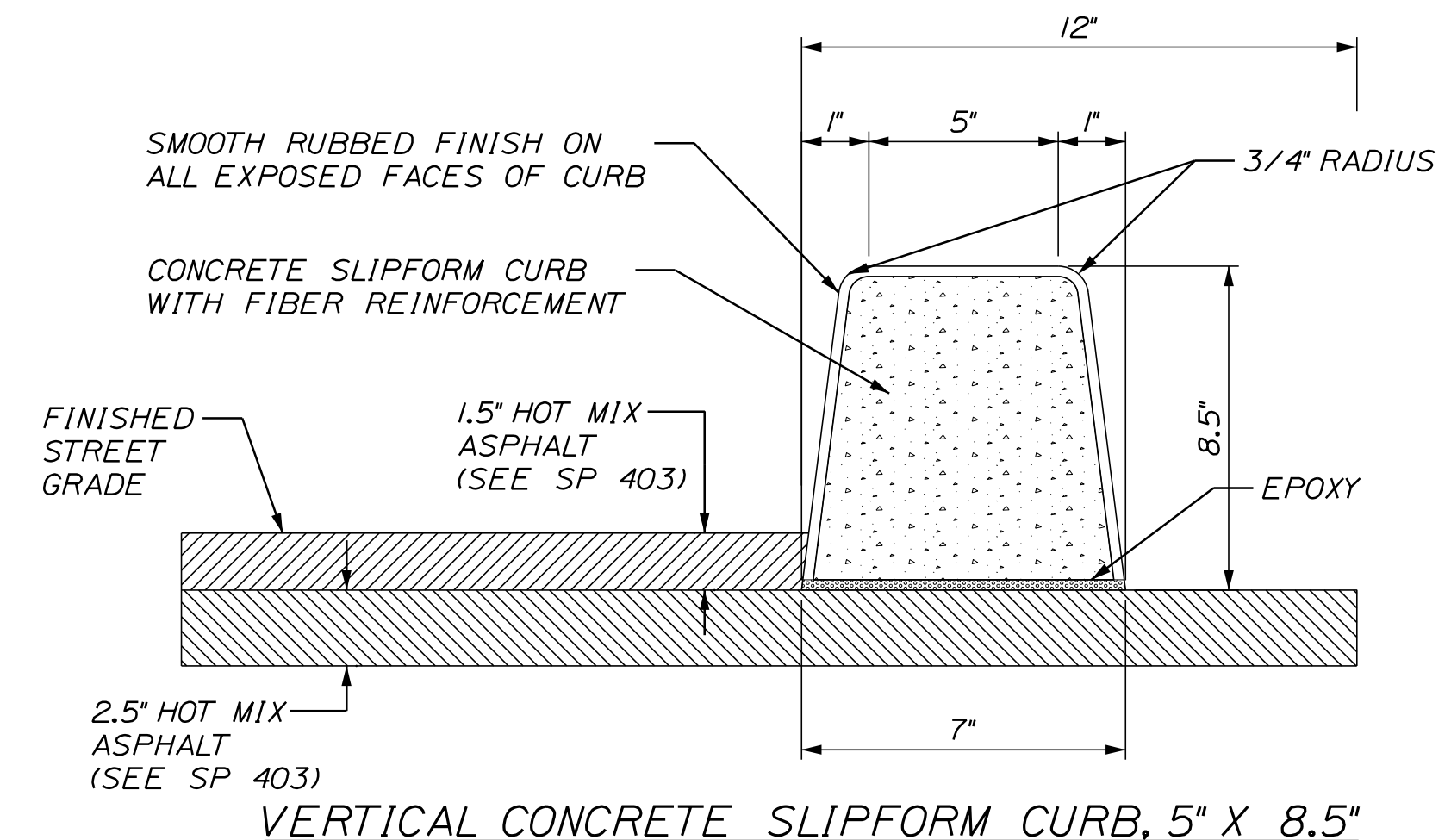
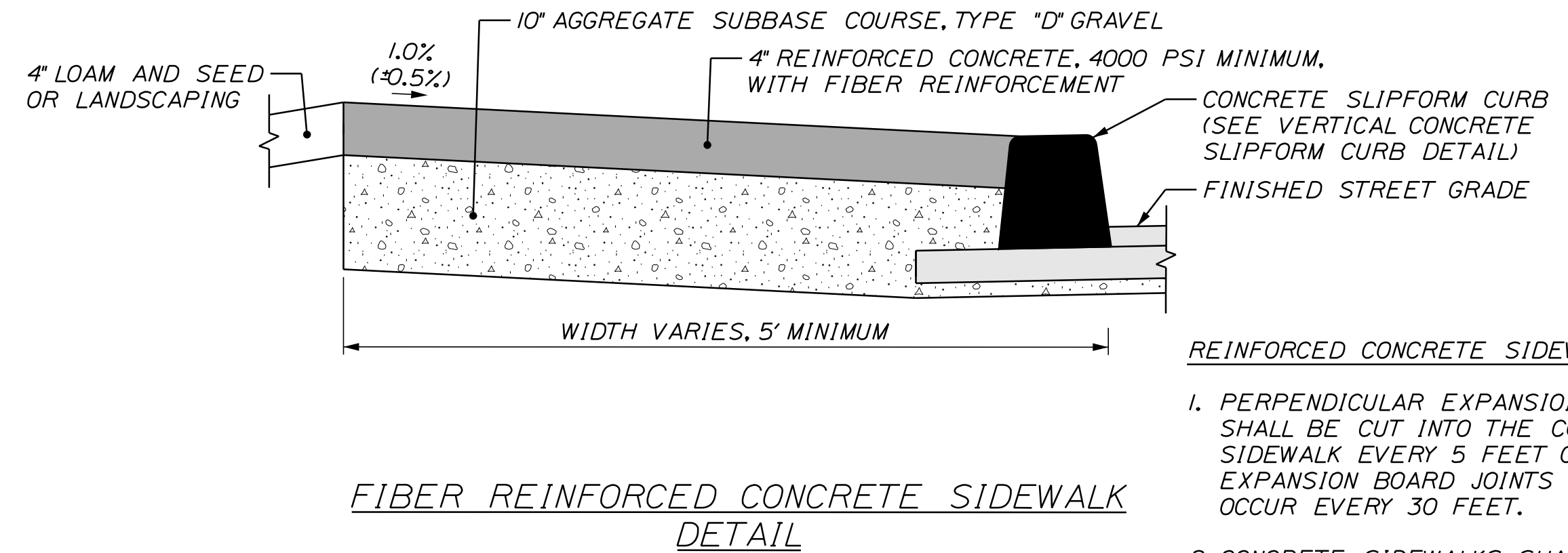
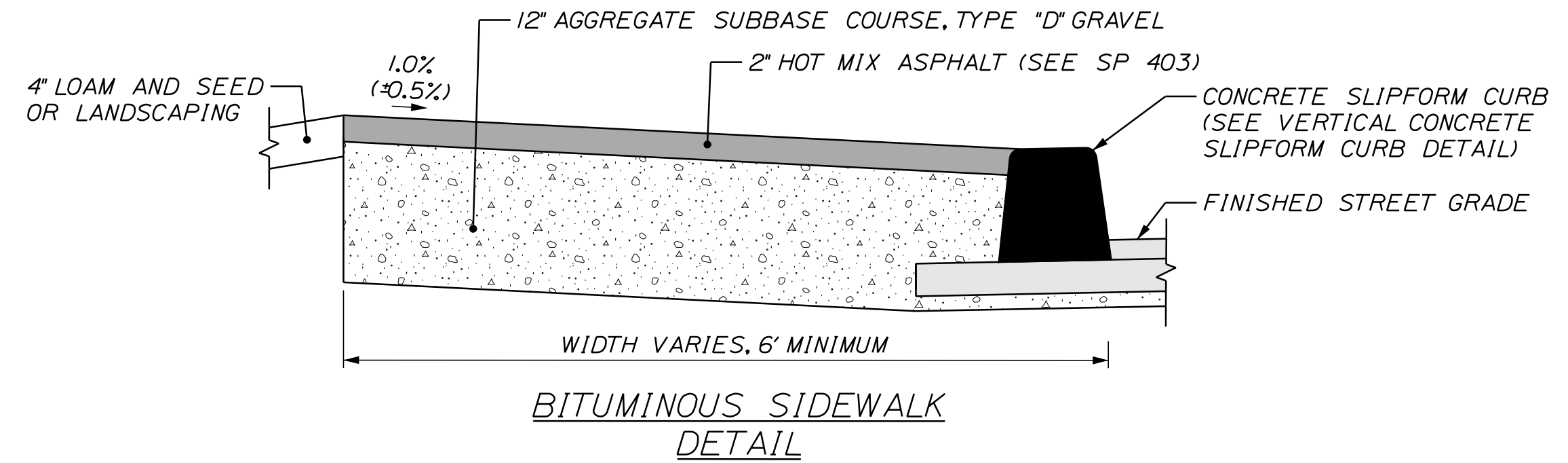
TYPICAL SECTIONS

SHEET NUMBER

6

OF 18



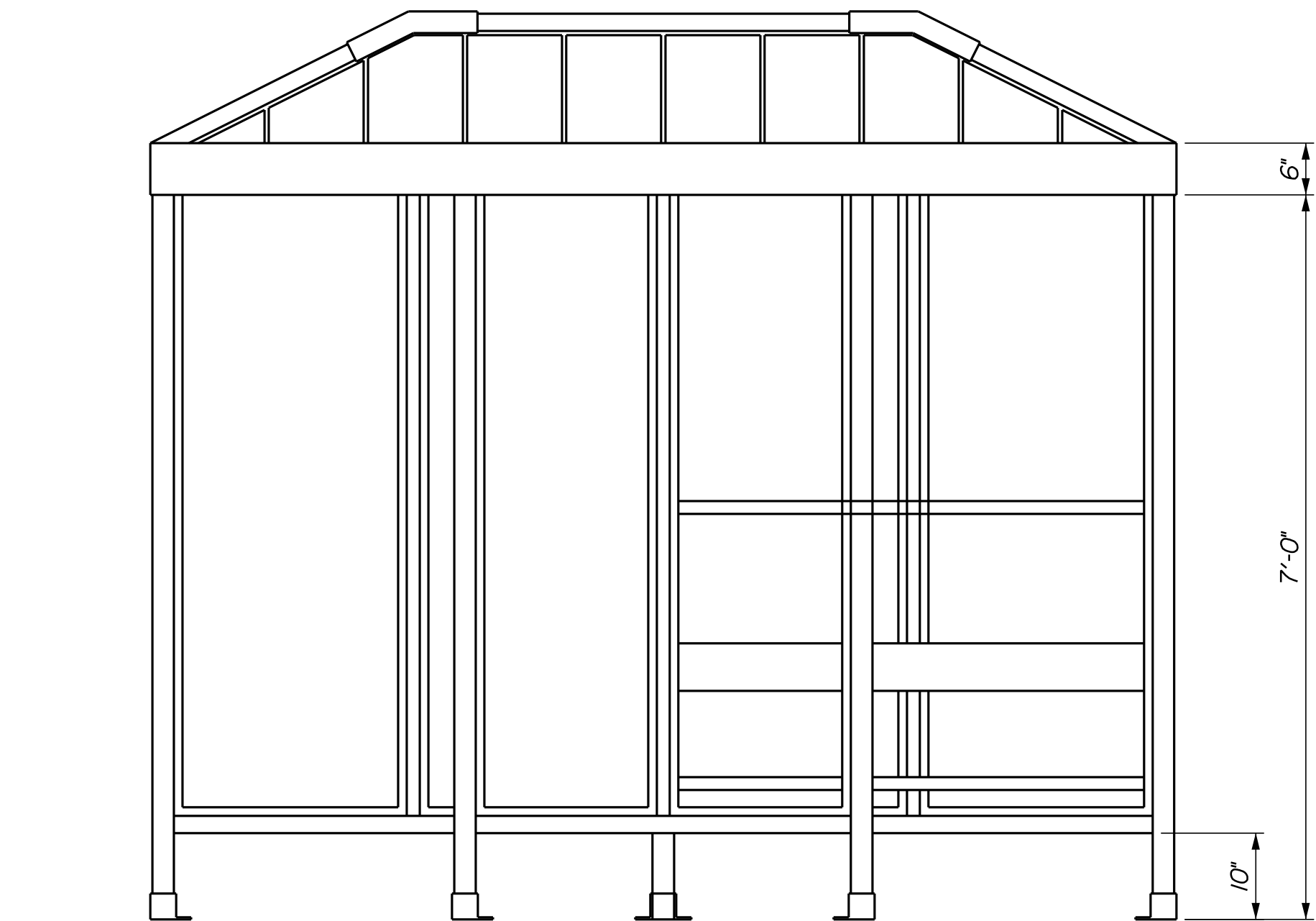


PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNIFF	08/26
CHECKED	J. MINCHENBACH	DETINGER	08/26
DESIGN-DETAILED	-	-	-
DESIGN-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-
SIGNATURE			
P.E. NUMBER			
DATE			

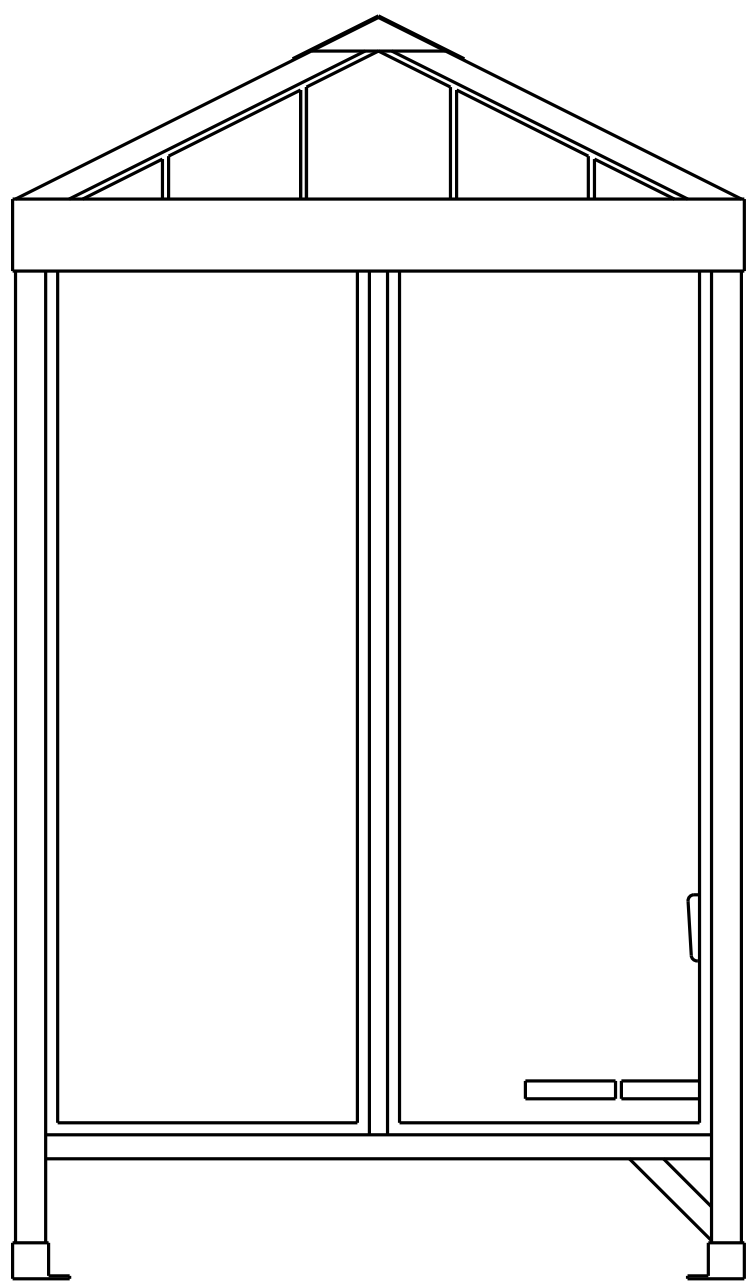
SANFORD
EMERSON STREET
PARKING FACILITY

DETAILS SHEET

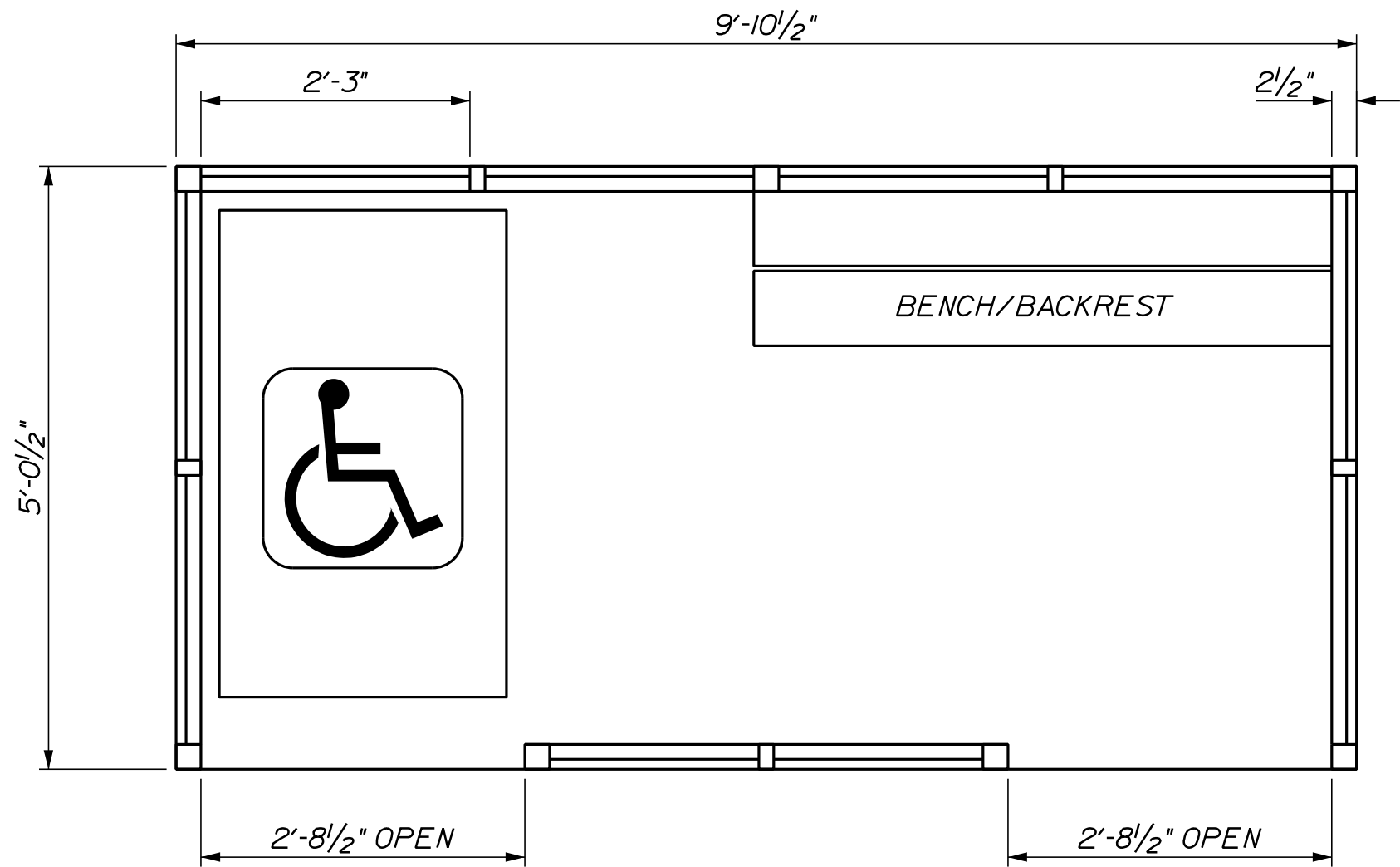
HEET NUMBER



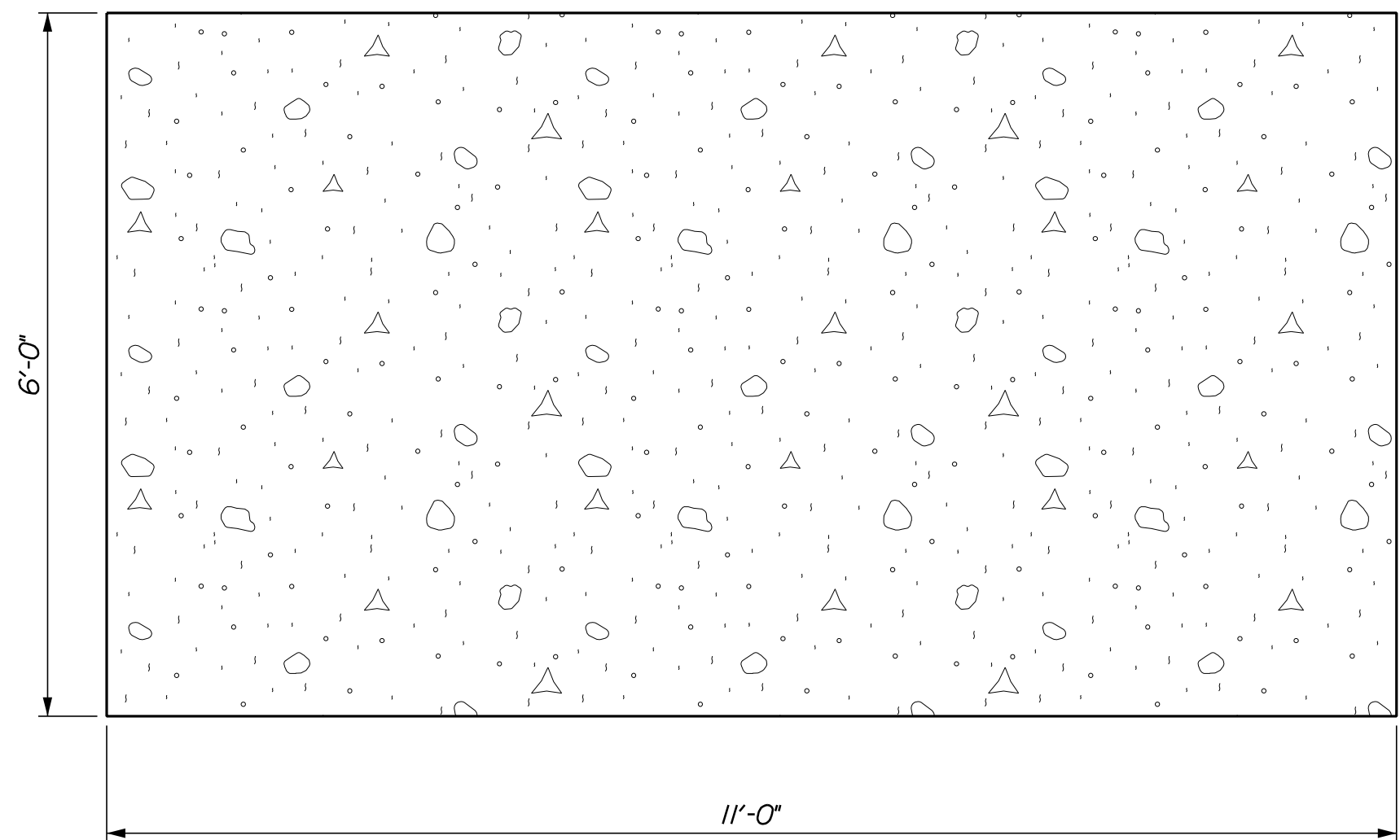
5' X 10' SHELTER DETAIL - FRONT ELEVATION



5' X 10' SHELTER DETAIL -
SIDE ELEVATION



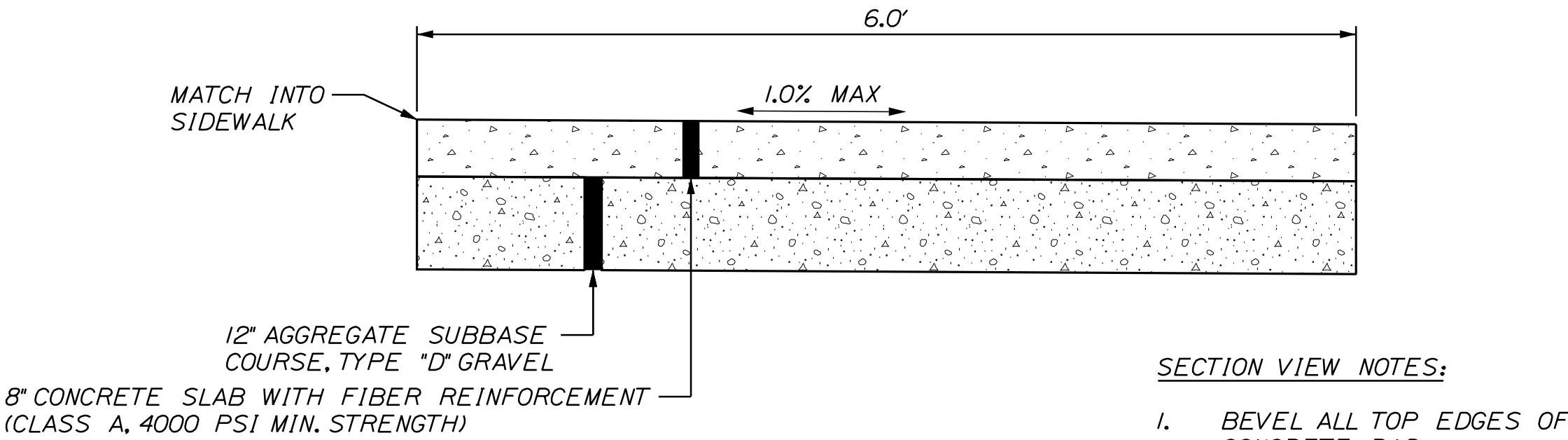
5' X 10' SHELTER DETAIL - PLAN VIEW



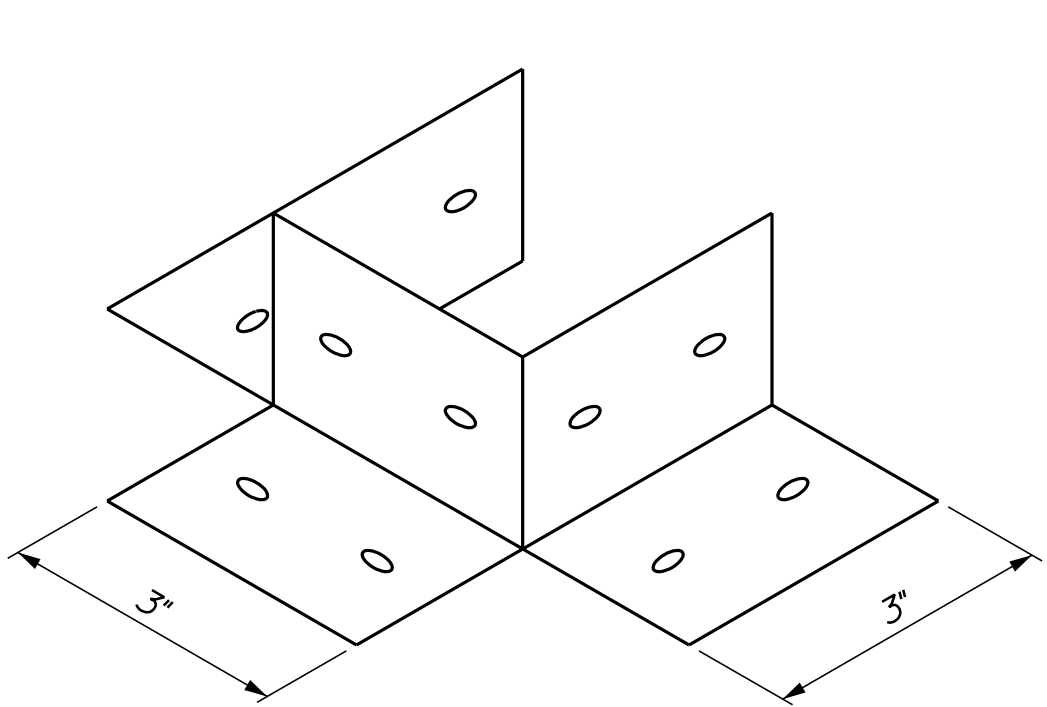
6' X 11' SHELTER PAD DETAIL - PLAN VIEW

GENERAL SHELTER SPECIFICATIONS:

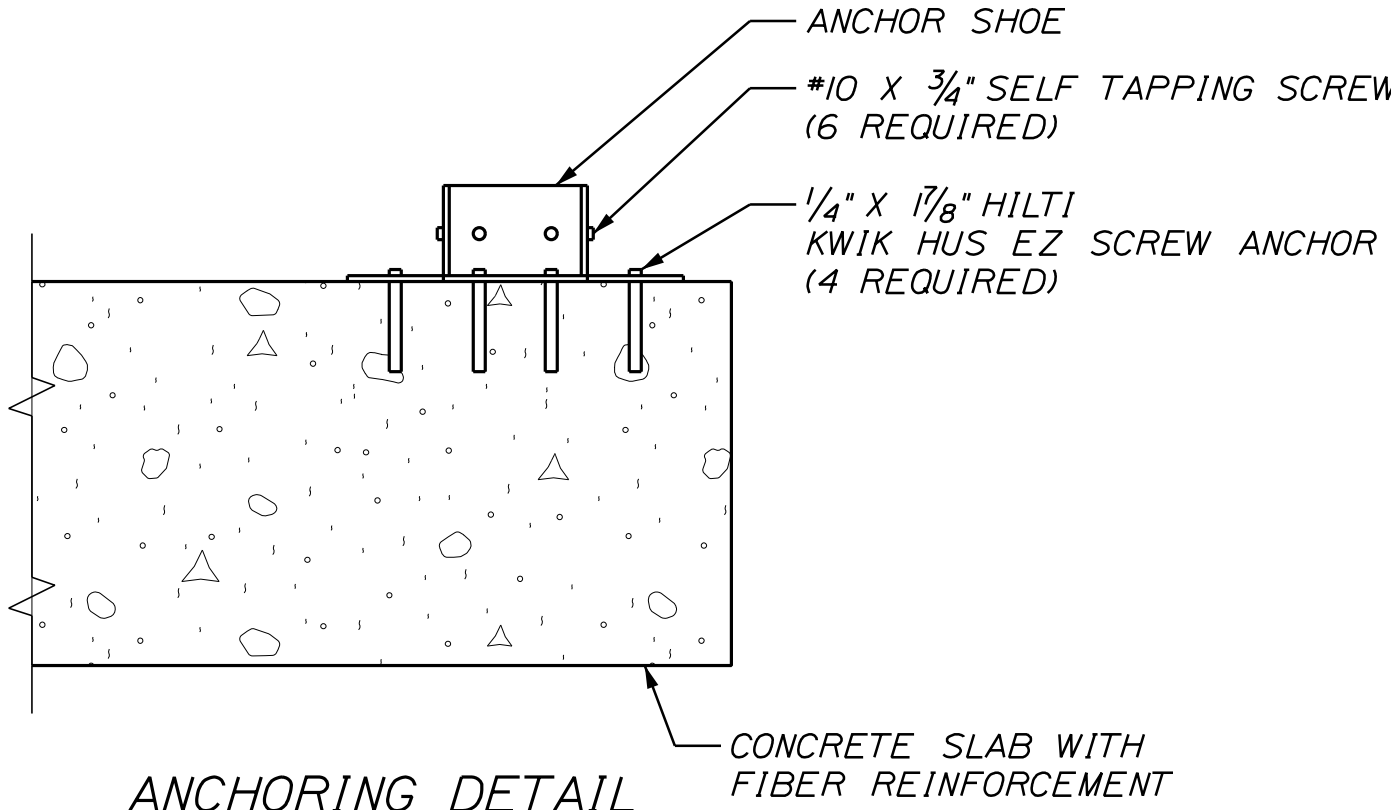
- A. GENERAL: UNASSEMBLED MODULAR SHELTER IS FABRICATED FROM LOW MAINTENANCE, LIGHTWEIGHT CORROSIVE RESISTANT ALUMINUM (FACTORY FABRICATED). SITE ASSEMBLY REQUIRED.
1. DIMENSIONS: 5'-0" WIDE X 10'-0" LONG, 87 1/2" NOMINAL EXTERIOR HEIGHT AND 83" INTERIOR CEILING HEIGHT.
2. FRAME: PROVIDE STRUCTURAL FRAMING 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 SYSTTEM 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.
6. PAYMENT: THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED CONCRETE BUS SHELTER PAD (SEE SPECIAL DETAILS - BUS SHELTER) INCLUDING THE ANCHORING SHOES PER THE DETAILS PROVIDED. THE ACTUAL BUS SHELTER WILL BE PROVIDED AND INSTALLED BY OTHERS FOLLOWING THE COMPLETION OF THE PARK AND RIDE FACILITY.



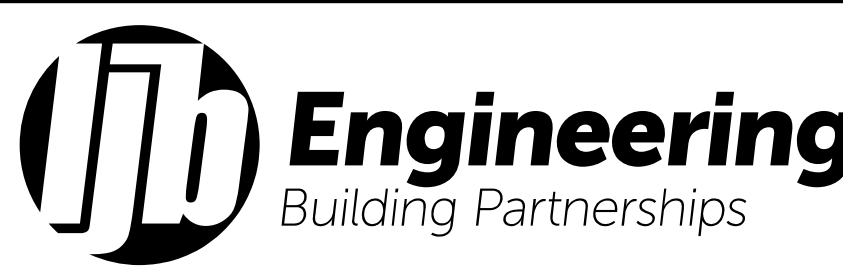
SHELTER PAD DETAIL - SECTION VIEW
(CONCRETE SURFACE)



ANCHOR SHOE



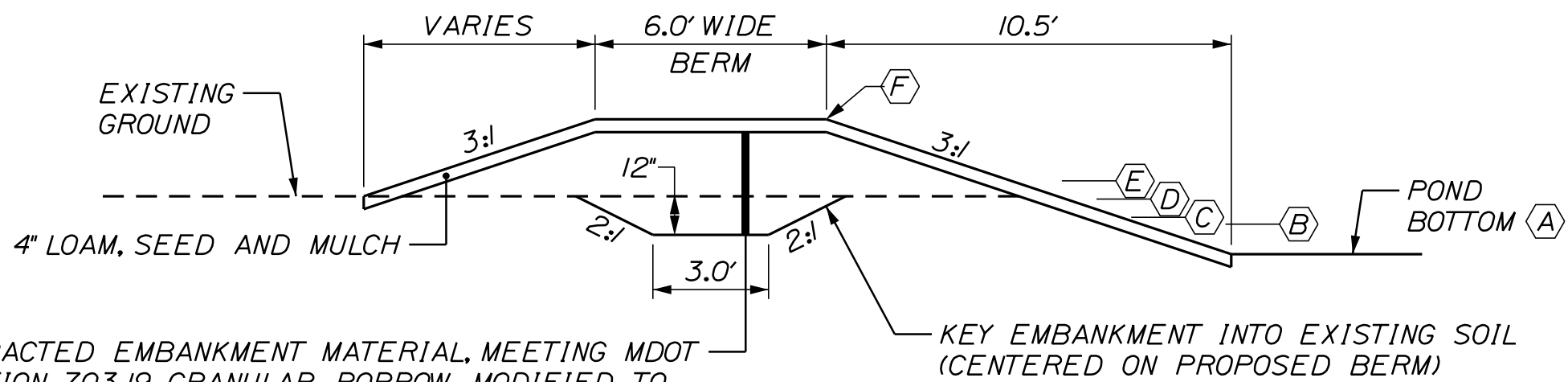
ANCHORING DETAIL



CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073				WIN 22642.01			
SANFORD EMERSON STREET PARKING FACILITY SPECIAL DETAILS - BUS SHELTER				PROJ. MANAGER	M. HILL	BY	DATE
				DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08/26
				CHECKED-REVIEWED	J. WUNDERBACH	D. ETINGER	08/26
				DESIGN-DETAILED2	-	-	-
				DESIGN-DETAILED3	-	-	-
				REVISIONS 1	-	-	-
				REVISIONS 2	-	-	-
				REVISIONS 3	-	-	-
				REVISIONS 4	-	-	-
				FIELD CHANGES	-	-	-
SHEET NUMBER				8			
OF 18							

NOTES:

1. 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 RESIDENT 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 RESIDENT 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

UNDERDRAIN SOIL FILTER NOTES:

SOIL SPECIFICATIONS:

1. 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:

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

OPTION 2 - LAYERED SYSTEM WITH TOPSOIL

- A. 12" OF LOAMY COARSE SAND, SEE TABLE 1.
B. LAYER OF TOPSOIL (SEE "C" BELOW) ROTOTILLED INTO THE TOP 2" OF THE LOAMY COARSE SAND LAYER.
C. 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:

1. SUBMIT RESULTS OF FIELD AND LABORATORY TESTING TO RESIDENT.
2. SUBMIT 75 LB. SAMPLE OF EACH TYPE OF MATERIAL; SUBMIT IN AIR TIGHT CONTAINERS TO SOIL TESTING FACILITY.
3. THE FOLLOWING MATERIAL SHALL BE SUBMITTED:
IF OPTION 1 IS USED:
A. SOIL MIXTURE.
B. UNDERDRAIN BEDDING MATERIAL.

IF OPTION 2 IS USED:

- A. LOAMY COARSE SAND.
B. SANDY LOAM TOPSOIL.
C. UNDERDRAIN BEDDING MATERIAL.

4. 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 RESIDENT.
5. 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 RESIDENT.
6. 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 RESIDENT.
7. PERFORM HYDROMETER TEST TO DETERMINE CLAY CONTENT.

CONSTRUCTION:

1. SOIL FILTER MEDIA AND UNDERDRAIN BEDDING MATERIAL SHALL BE COMPACTED TO BETWEEN 90% AND 92% STANDARD PROCTOR.
2. PERFORATED UNDERDRAIN PIPE SHALL BE 4" SLOTTED PIPE. SPACED 15 FEET ON CENTER MAXIMUM.
3. 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.
4. 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.
5. ALL EQUIPMENT USED WITHIN THE LIMITS OF THE VEGETATED UNDERDRAIN SHALL BE LOW GROUND PRESSURE VEHICLES (LESS THAN 2.0 PSI) WHEN FULLY LOADED.
6. 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 RESIDENT WITH REQUIRED REPORTING TO THE DEP. AT A MINIMUM, INSPECTIONS WILL OCCUR:

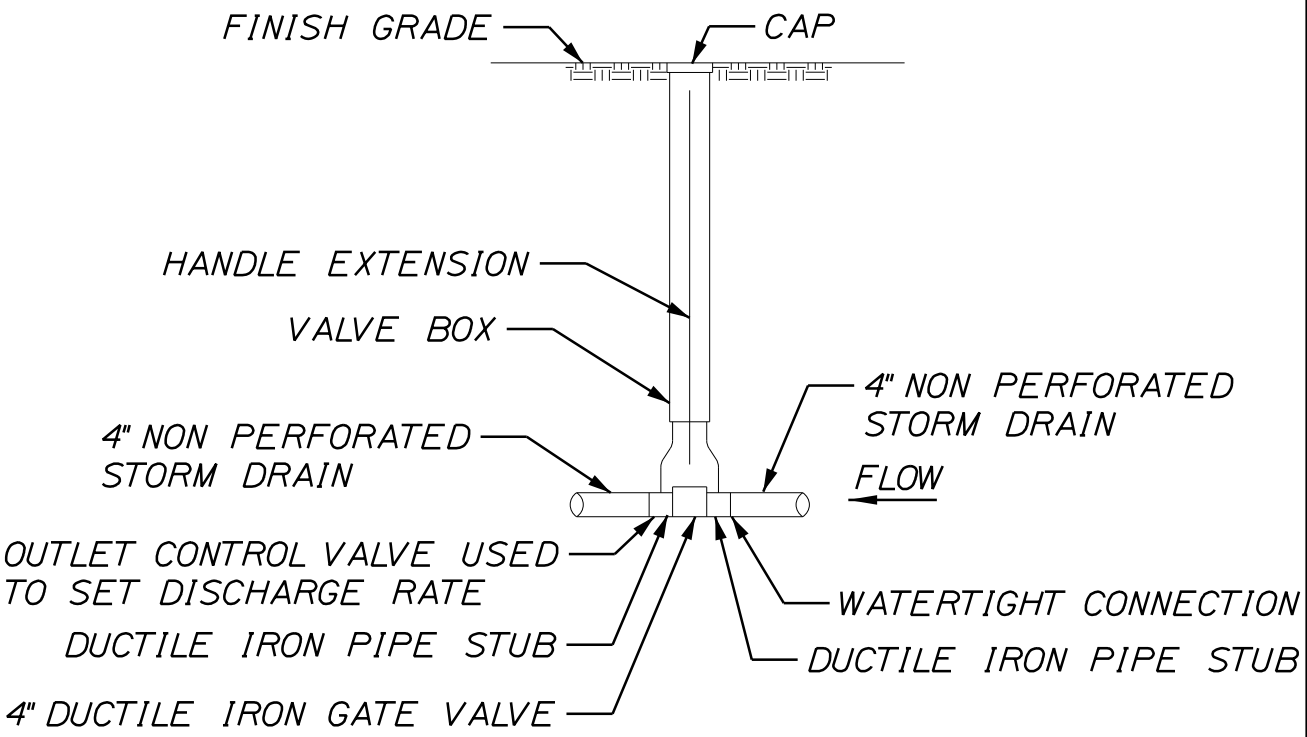
1. AFTER PRELIMINARY CONSTRUCTION OF THE FILTER GRADES AND ONCE THE UNDERDRAIN PIPES ARE INSTALLED BUT NOT BACKFILLED.
2. AFTER THE DRAINAGE LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE FILTER MEDIA.
3. AFTER THE FILTER MEDIA HAS BEEN INSTALLED AND SEEDED.
4. AFTER ONE YEAR TO INSPECT HEALTH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

NOTE:

1. CONTRACTOR SHALL NOTIFY RESIDENT 48 HOURS PRIOR TO THE MILESTONES LISTED ABOVE TO ALLOW FOR INSPECTION.
2. PAY LIMITS FOR ITEM 615.27, UNDERDRAIN SOIL FILTER, ARE NOTED ON THE PLANS. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION REGARDING THIS ITEM.

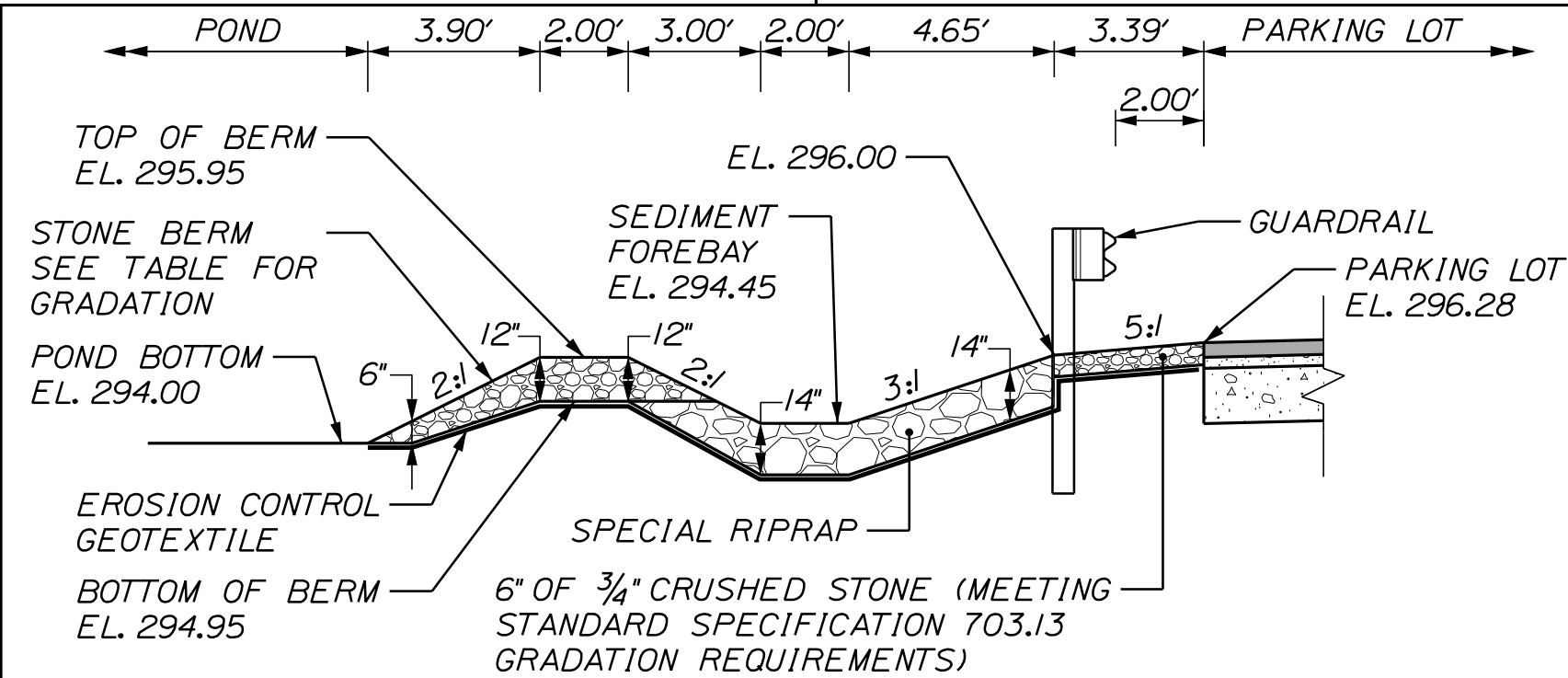
NOTES:

1. OUTFLOW OF THE UNDERDRAIN SOIL FILTER SHALL BE CONTROLLED BY A THREE PIECE VALVE BOX (AVAILABLE FROM E.J. PRESCOTT OR EQUIVALENT) SHALL BE INSTALLED OVER THE VALVE.
2. UPON STABILIZATION OF THE UNDERDRAIN SOIL FILTER, CONSTRUCTION OF A STABILIZED OUTLET, AND APPROVAL BY THE RESIDENT, 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.
3. CONTRACTOR SHALL PROVIDE VALVE WRENCH AND HANDLE EXTENSION TO RESIDENT UPON COMPLETION OF THE UNDERDRAIN SOIL FILTER.



OUTLET VALVE

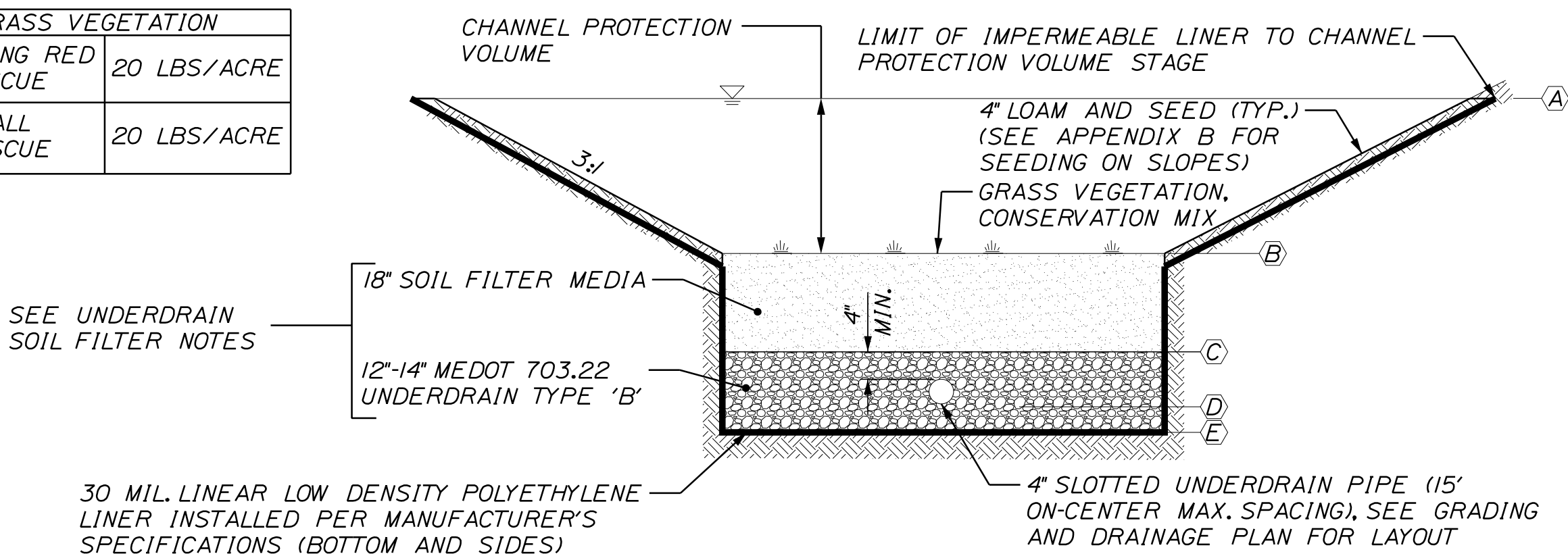
GRASS VEGETATION	
CREeping RED FESCUE	20 LBS/ACRE
TALL FESCUE	20 LBS/ACRE



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



GRASSED UNDERDRAIN SOIL FILTER DETAIL

NOT TO SCALE

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
22642.01

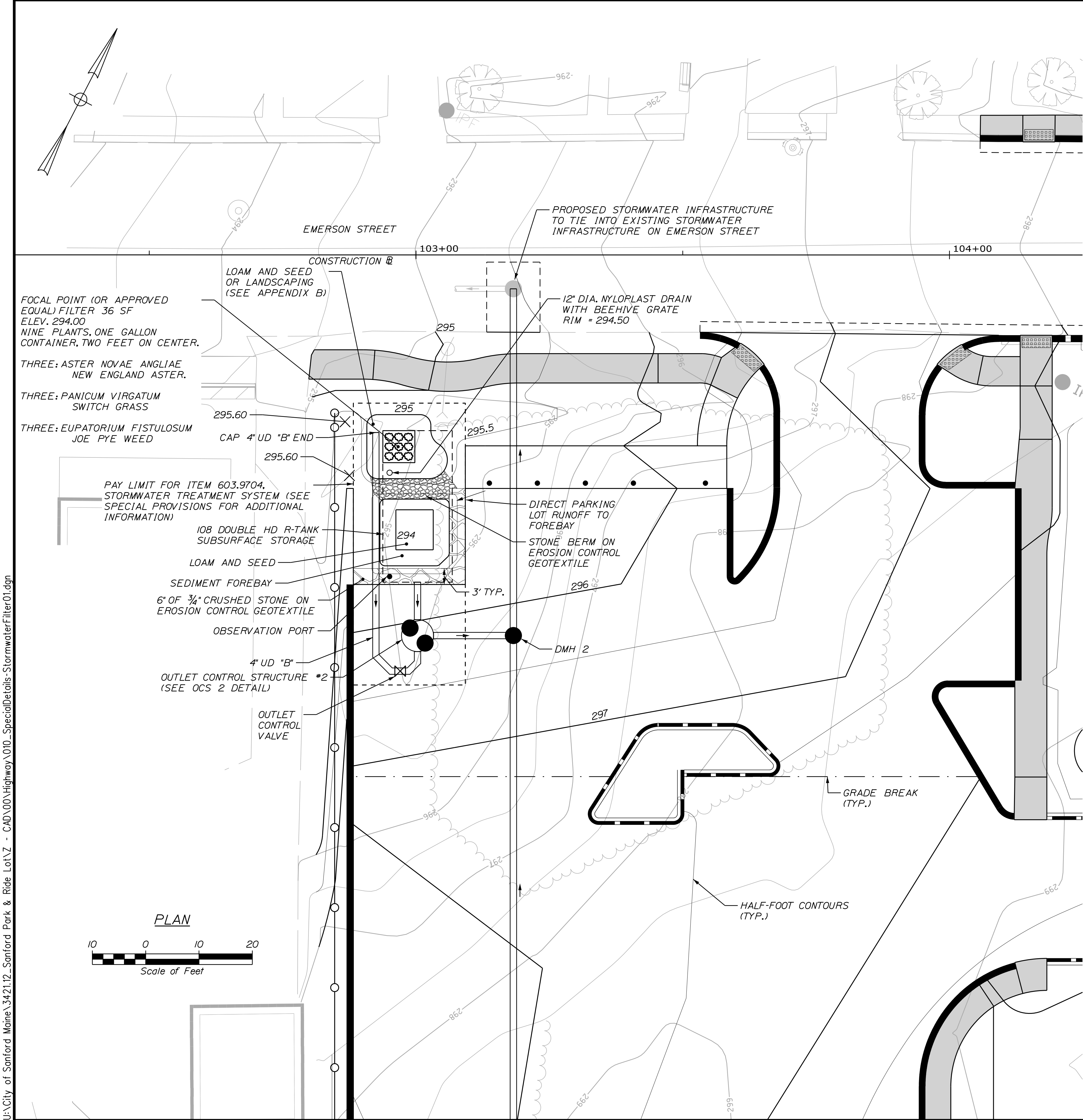
PROJ. MANAGER	DATE	BY	M. HILL	J. ATIANSE	M. CUNDIFF	W. HASKELL	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	08/26								
CHECKED-REVIEWED	08/26								
DESIGN-DETAILED									
DESIGN-DETAILED									
REVISIONS 1									
REVISIONS 2									
REVISIONS 3									
REVISIONS 4									
FIELD CHANGES									

SANFORD
EMERSON STREET
PARKING FACILITY
SPECIAL DETAILS -
SOIL FILTER

SHEET NUMBER

9

OF 18

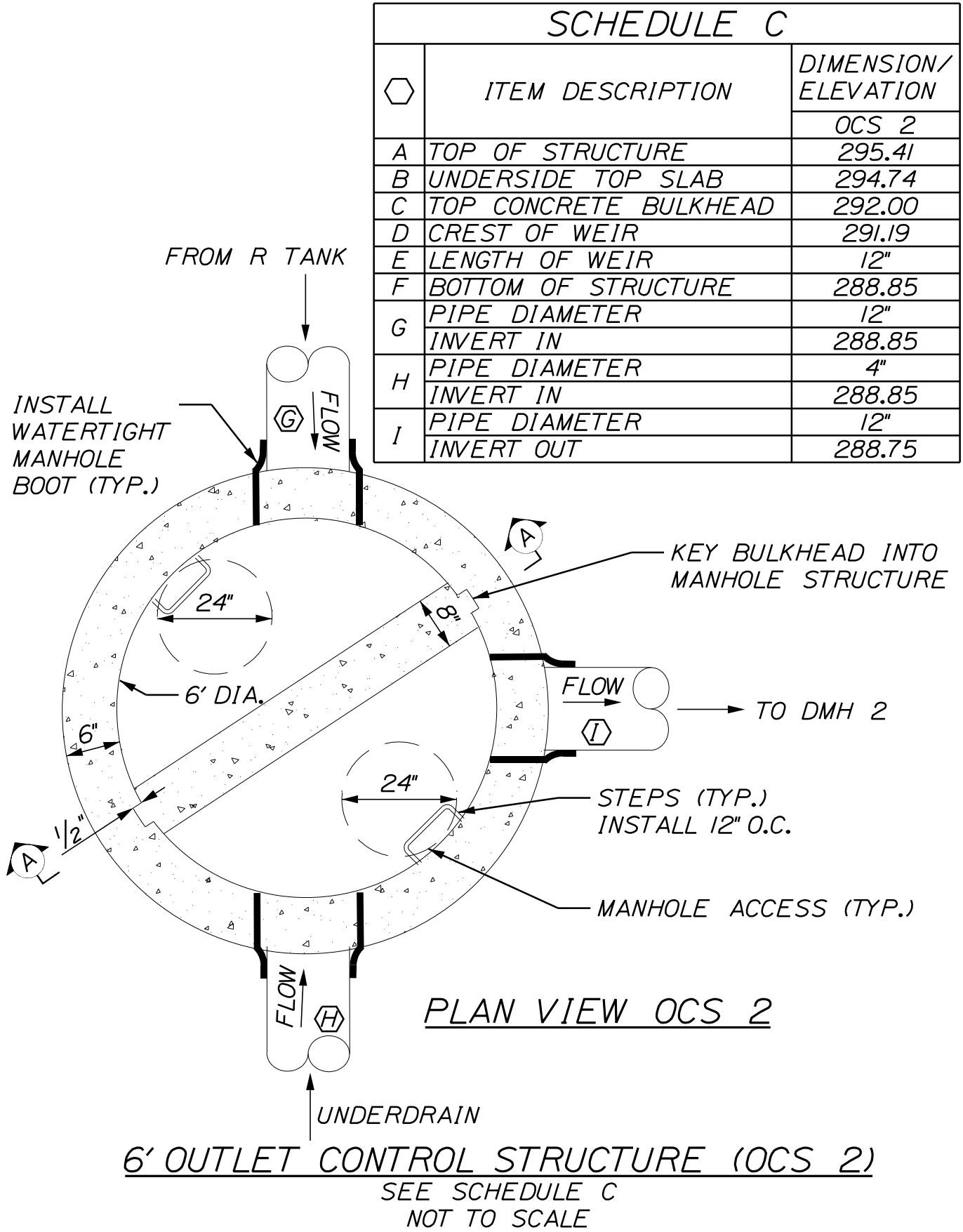
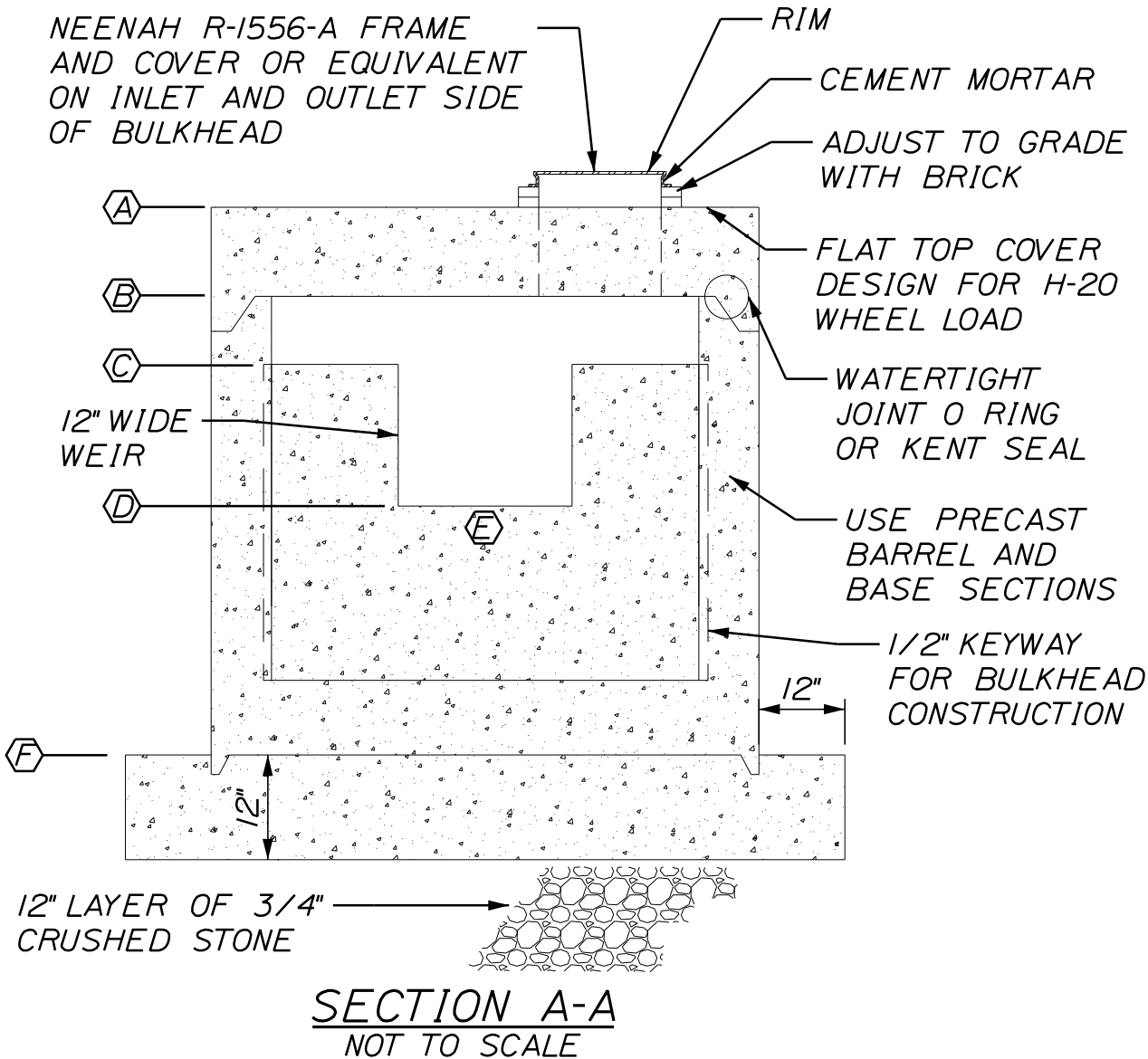


CONSTRUCTION OVERSIGHT:

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 MANUFACTURER'S REPRESENTATIVE.
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.
5. PAY LIMITS FOR ITEM 603.9704, STORMWATER TREATMENT SYSTEM, ARE NOTED ON THE PLANS. SEE SPECIAL PROVISION FOR ADDITIONAL INFORMATION REGARDING THIS ITEM.



CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
22642.01

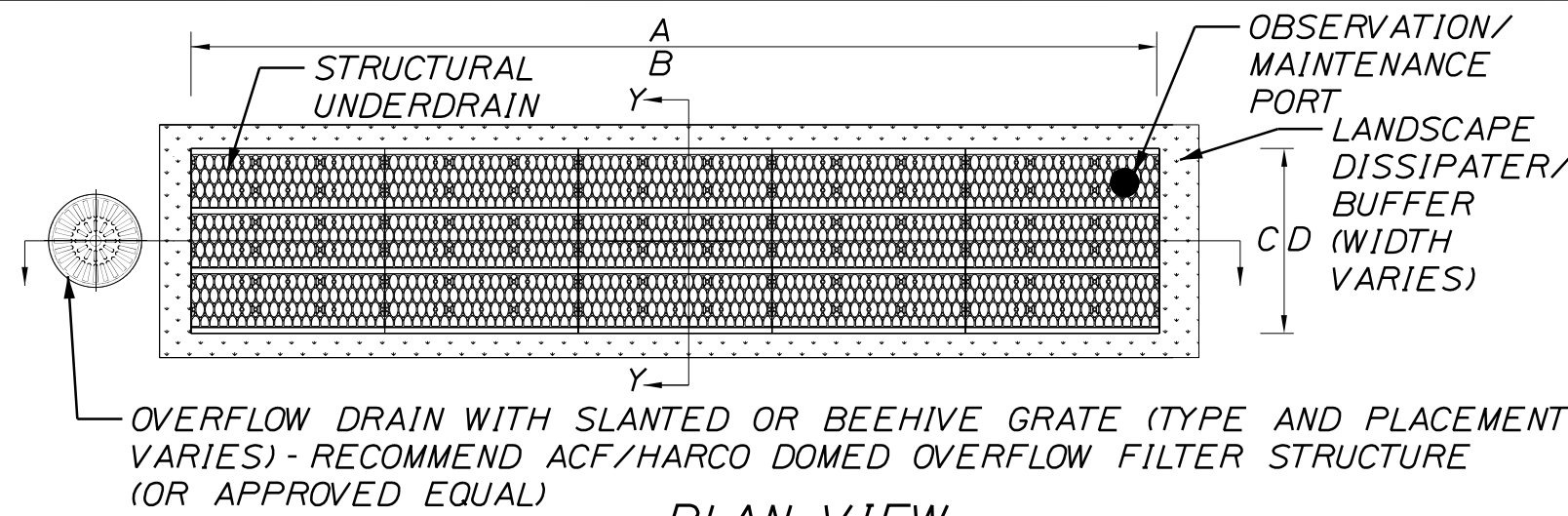
SANFORD
EMERSON STREET
PARKING FACILITY

SPECIAL DETAILS -
STORMWATER FILTER

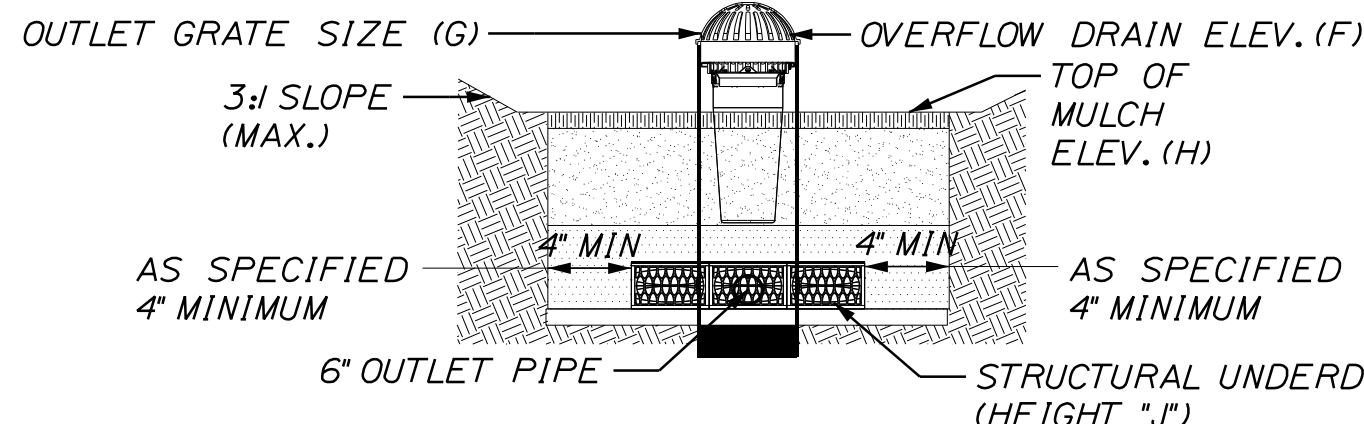
SHEET NUMBER

10

OF 18



PLAN VIEW



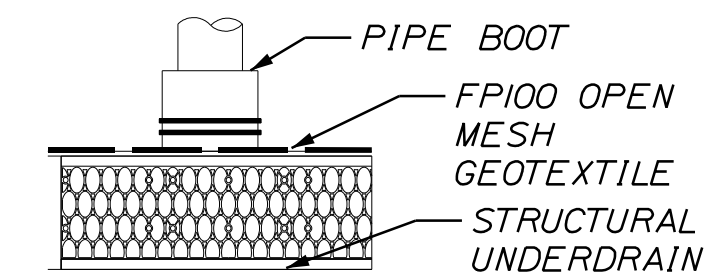
SECTION Y-Y

(A) DRAINAGE STRUCTURE CONSTRUCTION GUIDE
NOT TO SCALE

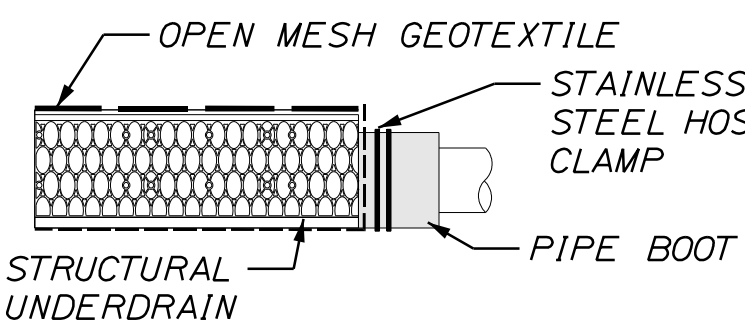
STRUCTURAL KEY DIMENSIONAL DATA				
STRUCTURE ID				
A	STRUCTURE LENGTH	6'		
B	* UNDERDRAIN LONG	12		
C	STRUCTURE WIDTH	6'		
D	* UNDERDRAIN WIDE	9		
E	WATER QUALITY VOLUME	712 CF		
F	OVERFLOW ELEVATION	294.50		
G	OUTLET GRATE SIZE	12" DIA		
H	TOP OF MULCH	294.00		
J	UNDERDRAIN HEIGHT	DOUBLE		

(B) DRAINAGE STRUCTURE KEY DIMENSIONAL DATA
NOT TO SCALE

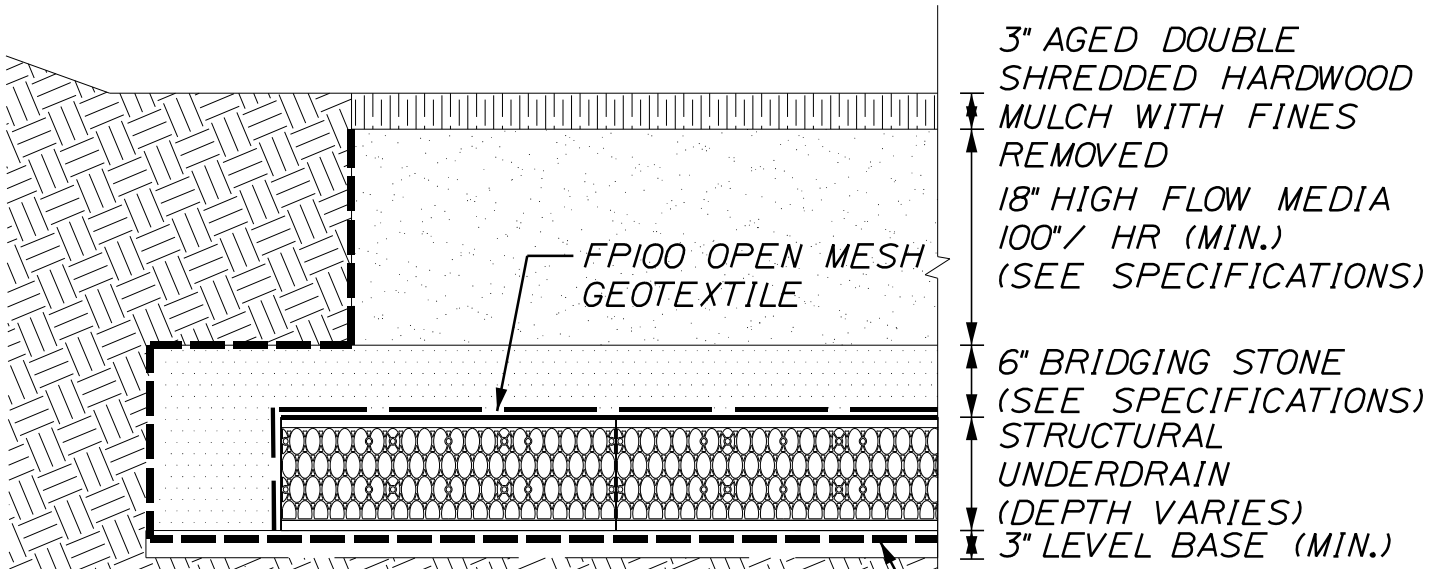
OBSERVATION/ MAINTENANCE PORT CONNECTION



OUTLET/INLET PIPE CONNECTION



(C) DRAINAGE STRUCTURE PIPE CONNECTION DETAIL
NOT TO SCALE



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.

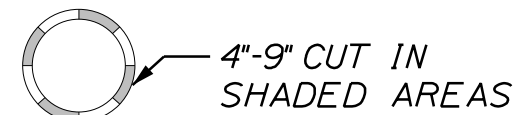
MUST MEET H20 LOADING REQUIREMENTS.
MUST BE MODULAR IN NATURE AND ASSEMBLED ON SITE.
MUST HAVE A MINIMUM 90% INTERIOR VOID SPACE.

(D) DRAINAGE STRUCTURE PIPE DETAILED
NOT TO SCALE CROSS SECTION

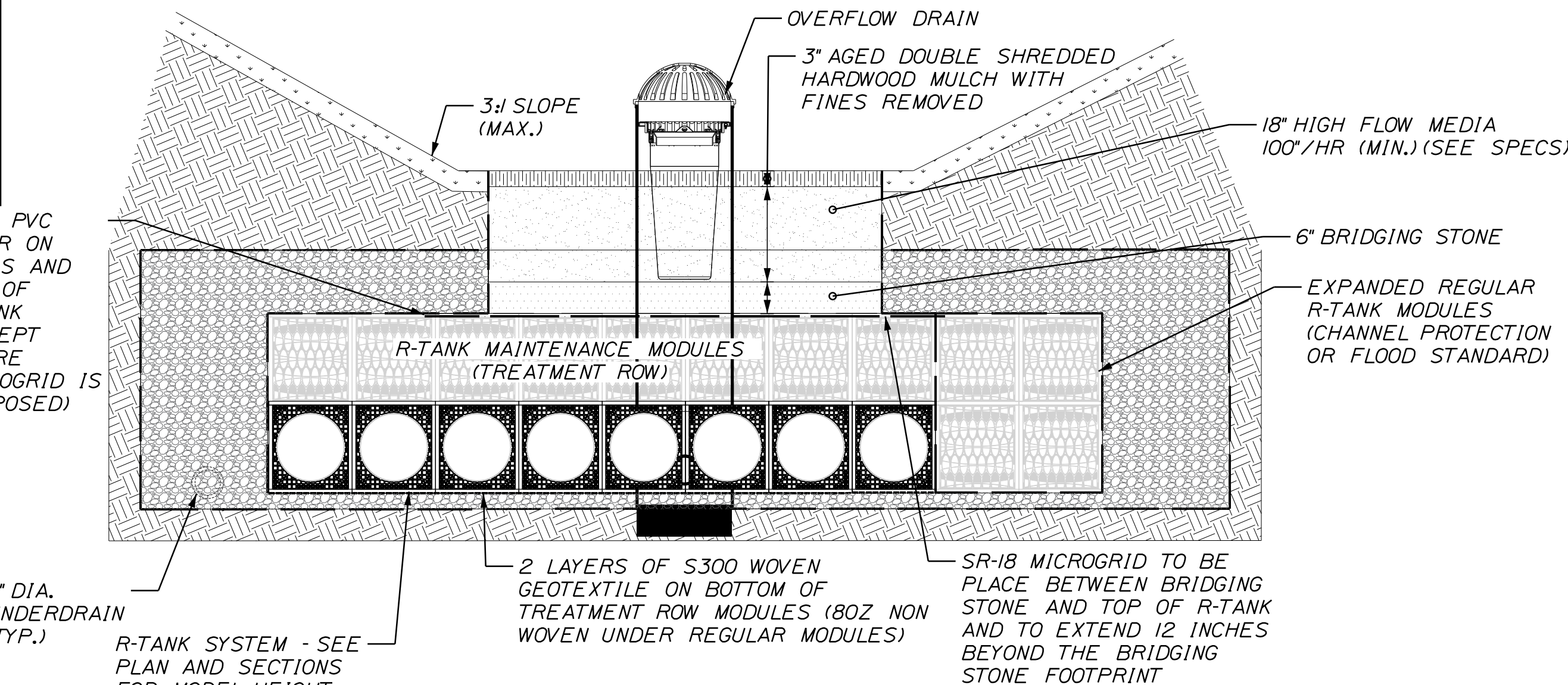
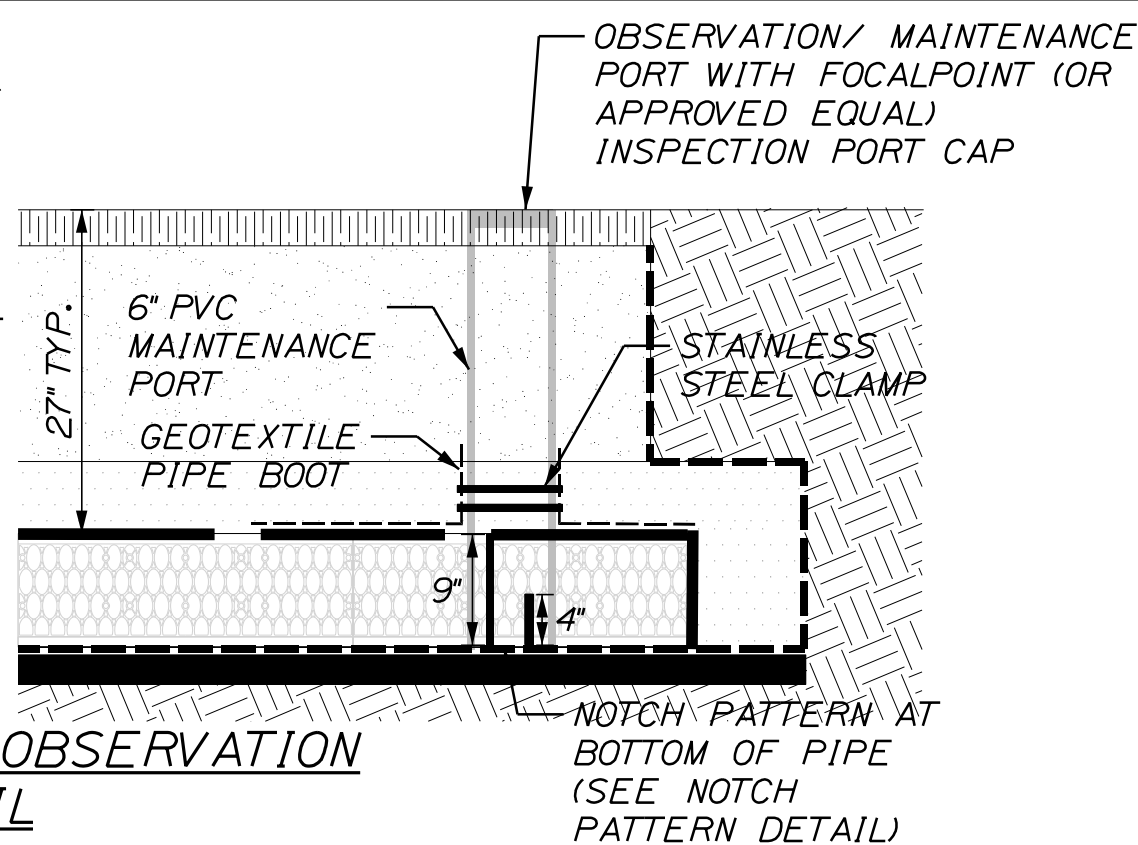
OBSERVATION/MAINTENANCE PORT

PORT USED FOR INSPECTION PURPOSES AND FOR SYSTEM MAINTENANCE AS REQUIRED. WATER SHALL BE PUMPED INTO THE SYSTEM AND RESUSPEND ACCUMULATED SEDIMENT. MINIMUM REQUIRED MAINTENANCE INCLUDES A QUARTERLY INSPECTION FOR THE FIRST YEAR OF OPERATION AND A YEARLY INSPECTION THEREAFTER FLUSH AS NEEDED.

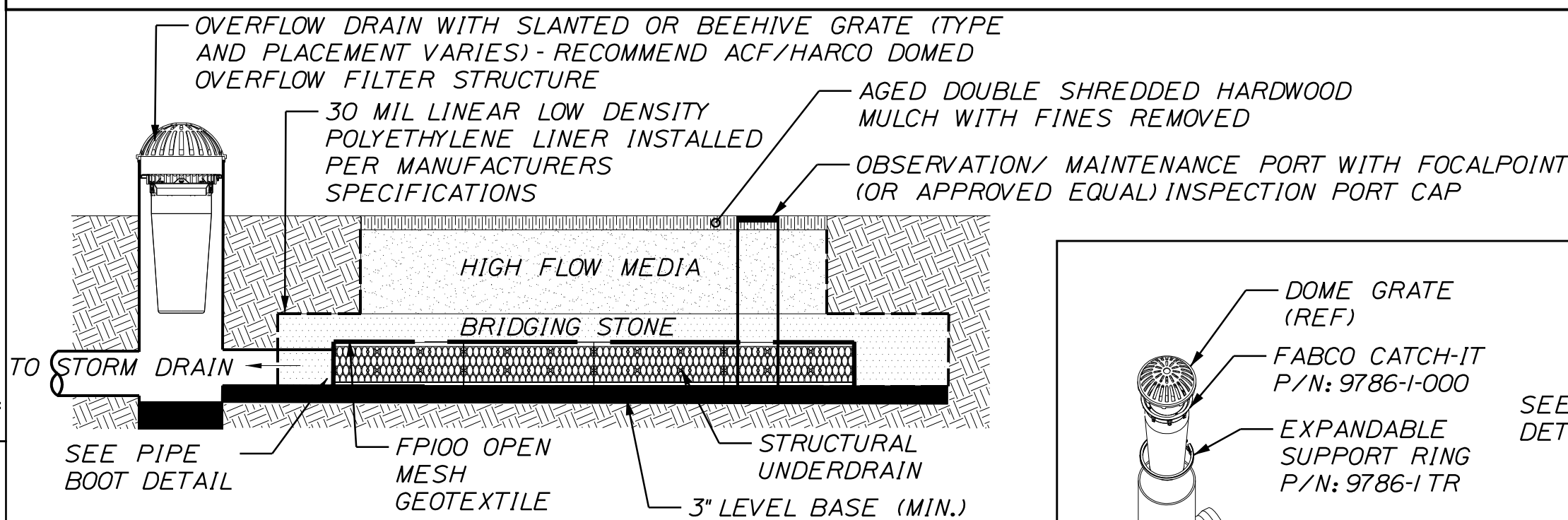
PIPE NOTCH PATTERN DETAIL



(E) DRAINAGE STRUCTURE OBSERVATION PORT DETAIL
NOT TO SCALE



DRAINAGE STRUCTURE WITH R-TANK TREATMENT ROW
NOT TO SCALE

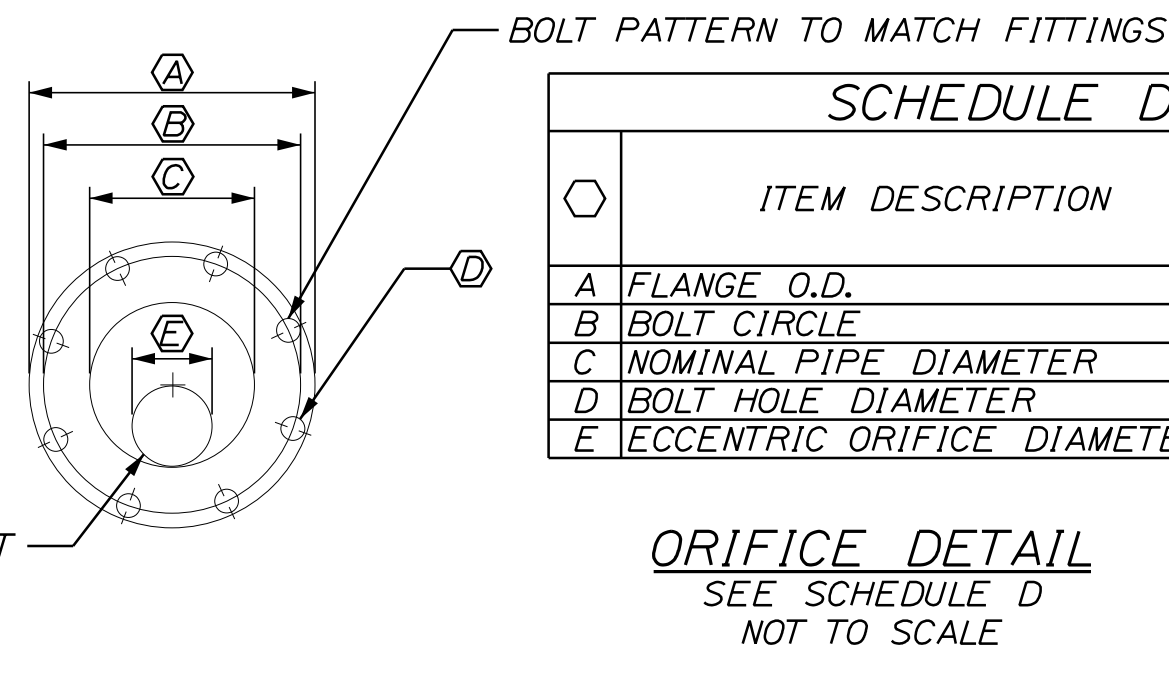


(G) DRAINAGE STRUCTURE SECTION X-X
NOT TO SCALE

- 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-RIEVETS
 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

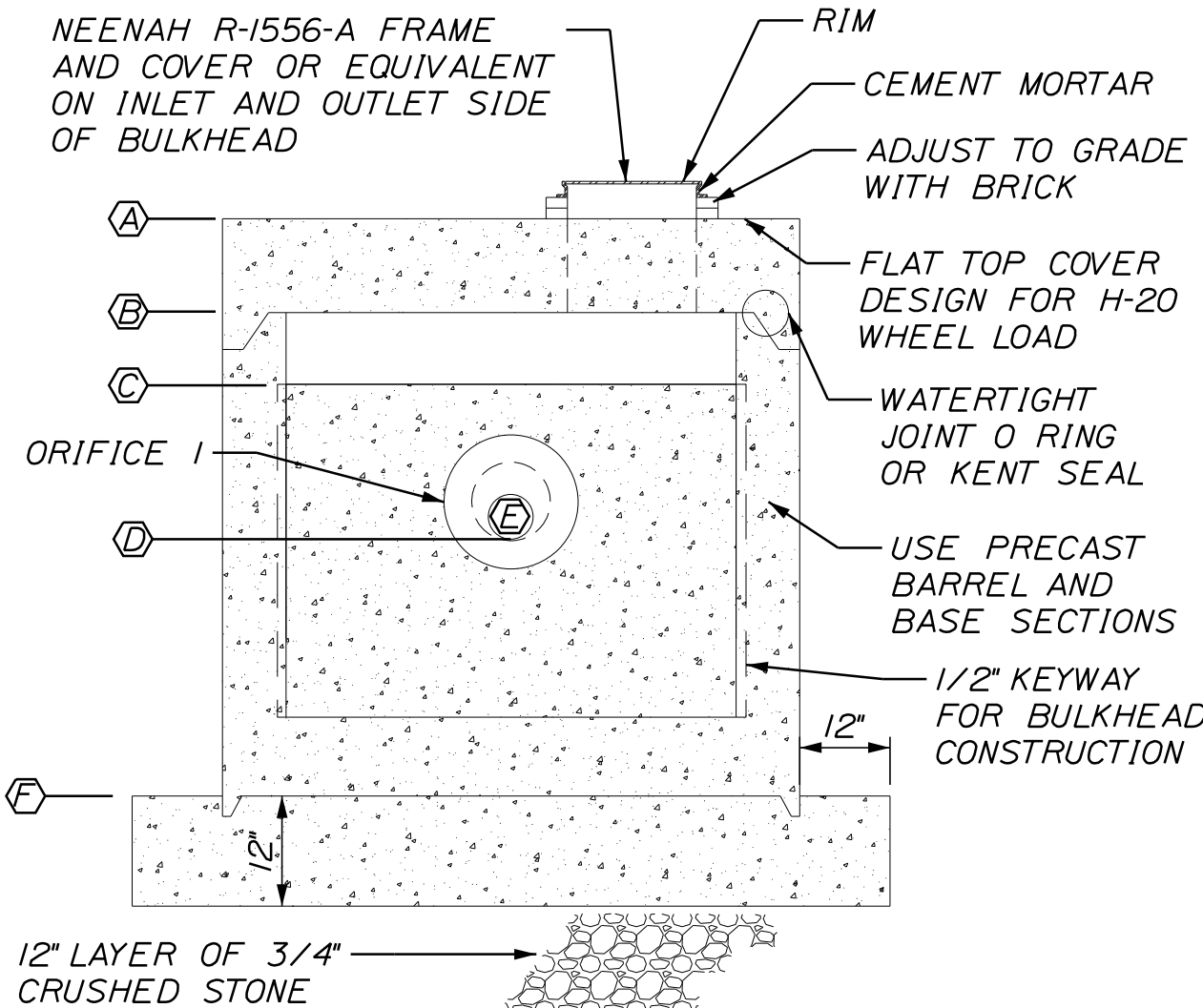
STRUCTURAL DIAMETER (INCHES)	DEBRIS CAPACITY (CF)	FILTERED FLOWRATE (CFS)	BYPASS FLOWRATE (CFS)	TOTAL SYSTEM FLOWRATE (CFS)
12	0.77	2.2	1.2	3.4
18	1.65	2.5	1.0	3.5
24	3.60	4.9	2.4	7.3
30	6.20	4.9	2.4	7.3

(H) ACF/HARCO DOMED OVERFLOW FILTER RISER
NOT TO SCALE



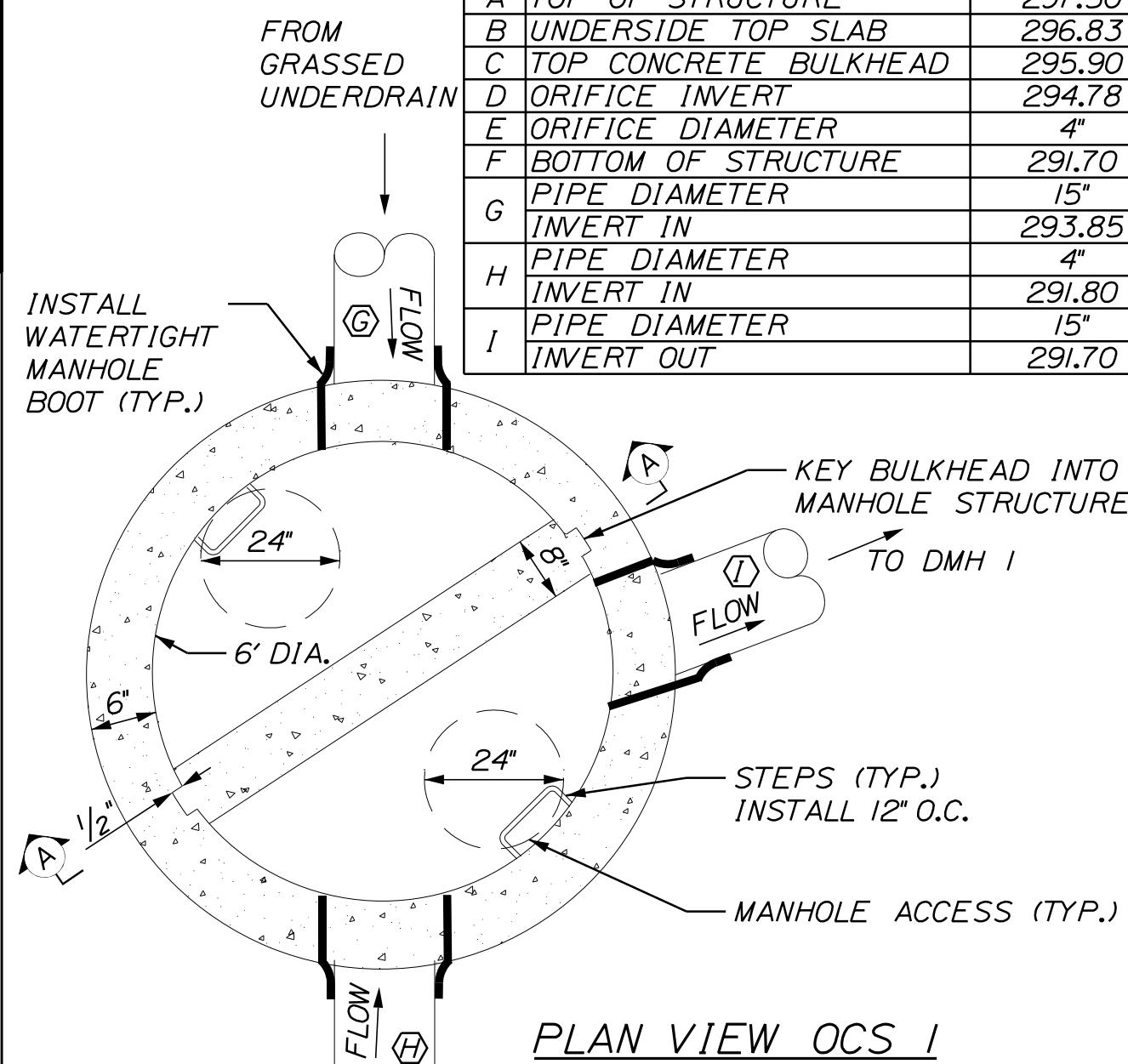
ORIFICE DETAIL
SEE SCHEDULE D
NOT TO SCALE

SCHEDULE D ORIFICE		
ITEM DESCRIPTION	DIMENSION/ELEVATION	
	ORIFICE 1	
A FLANGE O.D.	12"	
B BOLT CIRCLE	9.5"	
C NOMINAL PIPE DIAMETER	6"	
D BOLT HOLE DIAMETER	7/8"	
E ECCENTRIC ORIFICE DIAMETER	4"	



SECTION A-A
NOT TO SCALE

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	



PLAN VIEW OCS 1

6' OUTLET CONTROL STRUCTURE (OCS 1)
SEE SCHEDULE B
NOT TO SCALE

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
J. ATTANASE	08/26	M. CUNDIFF	08/26			
J. ATTANASE		W. HASKELL				
DESIGN DETAIL						
DESIGN DETAIL						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

Username: Mike.Cundiff

Date: 8/12/2026

Division: HIGHWAY

Filename: ...\\012_Grading&DrainagePlan.dgn

U:\City of Sanford Maine\342112_Sanford Park & Ride Lot V - CAD\00\Highway\012_Grading&DrainagePlan.dgn

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 (BOTH)
SEE 6" OUTLET CONTROL
STRUCTURE (OCS 1) ON SHEET II
FOR ADDITIONAL INVERT AND
STRUCTURE ELEVATIONS

OCS 2
INSTALL 72" OUTLET CONTROL
STRUCTURE
RIM = 296.05 & 296.15
SEE 6" OUTLET CONTROL
STRUCTURE (OCS 2) ON SHEET
10 FOR ADDITIONAL INVERT AND
STRUCTURE ELEVATIONS

N/F
HEATHER NORRIS
19064/536
MAP K32, LOT 29

N/F
PERRY WOOD
LOUISE J. WOOD
2051/886
MAP K32, LOT 28

N/F
BRUNO SUMISLASKI, JR.
CANDICE N. SUMISLASKI
15217/373
MAP K32, LOT 27

N/F
MICHELLE R. HULKER
16260/127
MAP K32, LOT 30

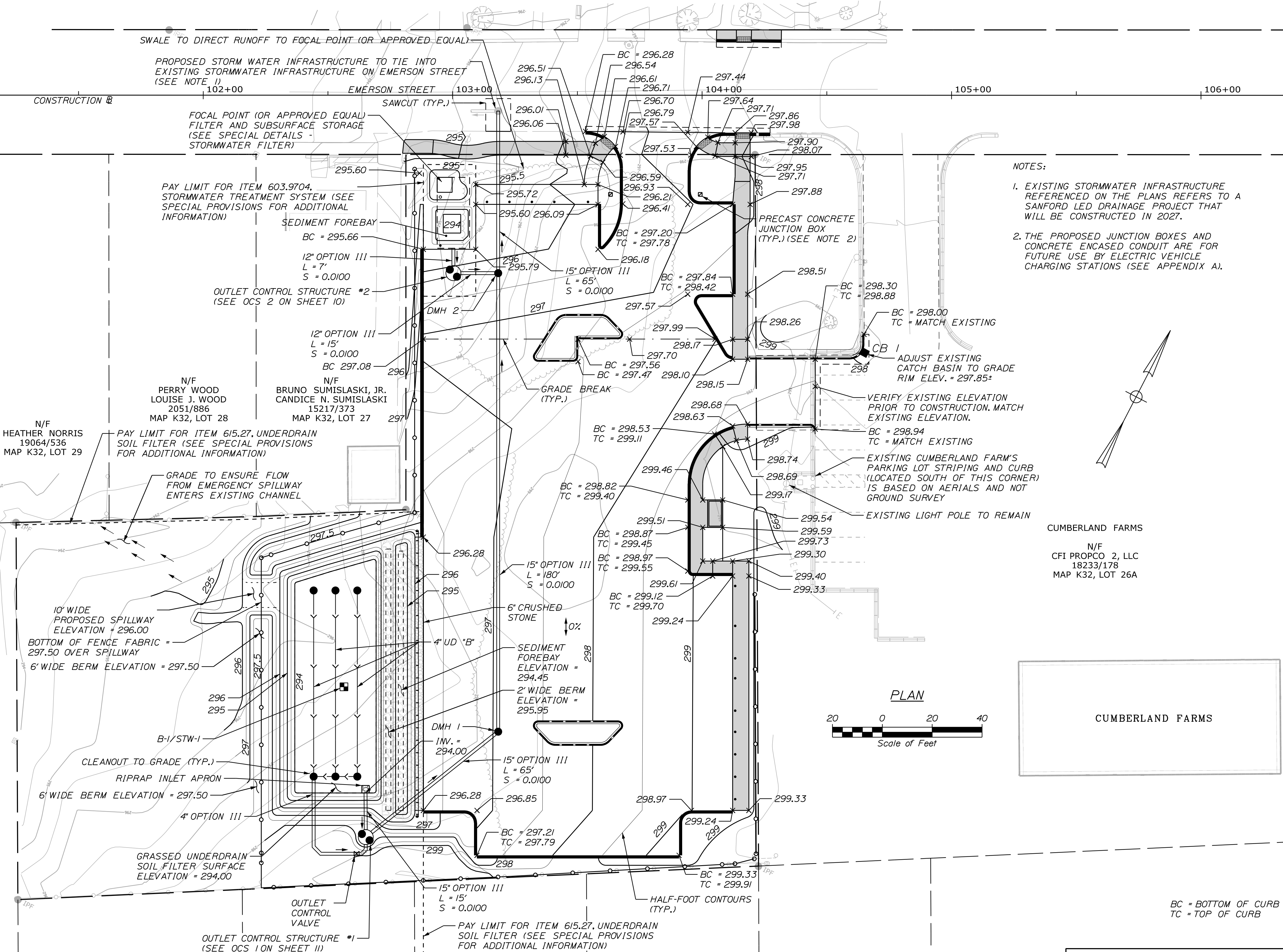
N/F
CHRISTOPHER PARISH
KRISTAL POWERS
15891/61
MAP K32, LOT 19

N/F
LEO J. ROSSIGNOL
JACQUELINE R. ROSSIGNOL
5197/217
MAP K32, LOT 20

N/F
JASON R. TYLER
15160/636
MAP K32, LOT 21

N/F
JUDITH C. REIS
19024/195
MAP K32, LOT 22

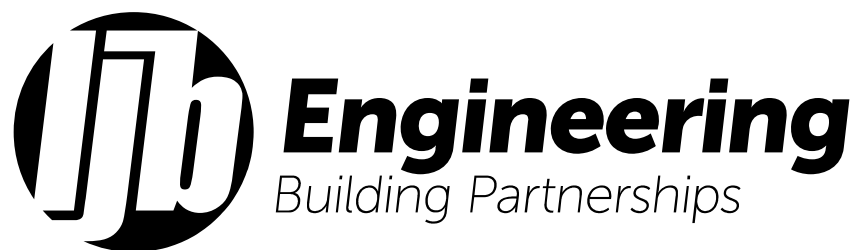
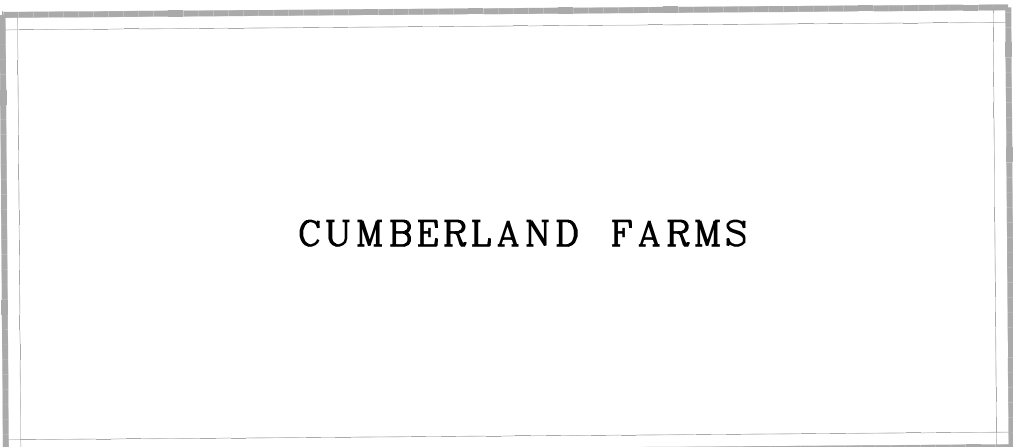
N/F
MEGAN MURPHY
JILLIAN V. MURPHY
JAMES D. MURPHY
19035/363
MAP K32, LOT 23



NOTES:

- EXISTING STORMWATER INFRASTRUCTURE REFERENCED ON THE PLANS REFERS TO A SANFORD LED DRAINAGE PROJECT THAT WILL BE CONSTRUCTED IN 2027.
- THE PROPOSED JUNCTION BOXES AND CONCRETE ENCASED CONDUIT ARE FOR FUTURE USE BY ELECTRIC VEHICLE CHARGING STATIONS (SEE APPENDIX A).

CUMBERLAND FARMS
N/F
CFI PROPCO 2, LLC
18233/178
MAP K32, LOT 26A



CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	08/26	J. ATANASE	08/26			
CHECKED-REVIEWED		M. CUNDIFF				
DESIGN-DETAILED		W. HASKELL				
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

SANFORD
EMERSON STREET
PARKING FACILITY

GRADING & DRAINAGE PLAN

SHEET NUMBER

12

OF 18

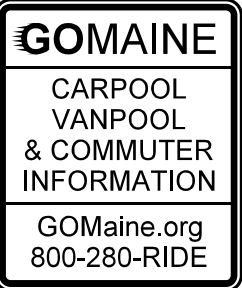
WIN
22642.01

PROPOSED SIGN SUMMARY

ITEM NUMBER	ID NUMBER	DESCRIPTION	QUANTITY	SIGN SIZE			POST
				WIDTH (IN.)	HEIGHT (IN.)	AREA (SQ. FT.)	
645.292	RI-1		1	30	30	6.25 (6.25)	4"x6" WOOD POST (SHARED WITH D3-1A)
645.292	R7-8		6	12	18	1.50 (9.00)	MOUNTED TO 6" STEEL BOLLARD
645.292	R7-8P		2	18	9	1.125 (2.25)	MOUNTED TO 6" STEEL BOLLARD
645.292	OM3-R		2	12	36	3.00 (6.00)	MOUNTED TO EXISTING UTILITY POLE
645.292	W11-2(L)		4	30	30	6.25 (25.00)	4"x4" WOOD POST (SHARED WITH W16-7P OR W16-9P)
645.292	W11-2(R)		2	30	30	6.25 (12.50)	4"x4" WOOD POST (SHARED WITH W16-7P OR W16-9P)
645.292	W16-7P(L)		2	24	12	2.00 (4.00)	4"x4" WOOD POST (SHARED WITH W11-2)
645.292	W16-7P(R)		2	24	12	2.00 (4.00)	4"x4" WOOD POST (SHARED WITH W11-2)
645.292	W16-9P		2	24	12	2.00 (4.00)	4"x4" WOOD POST (SHARED WITH W11-2)
645.292	D3-1A		1	42	12	3.5 (3.5)	4"x6" WOOD POST (SHARED WITH RI-1)
645.292	SP-1		2	18	36	4.50 (9.00)	U-CHANNEL POST
645.292	SP-2*		1	12	18	1.50 (1.50)	U-CHANNEL POST

* SIGN TO BE PROVIDED BY THE YCCAC FOR INSTALLATION BY THE CONTRACTOR.

PROPOSED SIGN SUMMARY

ITEM NUMBER	ID NUMBER	DESCRIPTION	QUANTITY	SIGN SIZE			POST
				WIDTH (IN.)	HEIGHT (IN.)	AREA (SQ. FT.)	
645.292	SP-3		2	30	48	10.00 (20.00)	4"x6" WOOD POST
645.292	SP-4		3	48	48	16.00 (48.00)	6"x6" WOOD POST (SHARED WITH SP-5 OR SP-6) 4"x6" WOOD POST (STAND ALONG)
645.292	SP-5		1	30	48	10.00 (10.00)	6"x6" WOOD POST (SHARED WITH SP-4)
645.292	SP-6		1	24	30	5.00 (5.00)	6"x6" WOOD POST (SHARED WITH SP-4)

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
22642.01

SANFORD
EMERSON STREET
PARKING FACILITY

SIGN SUMMARY

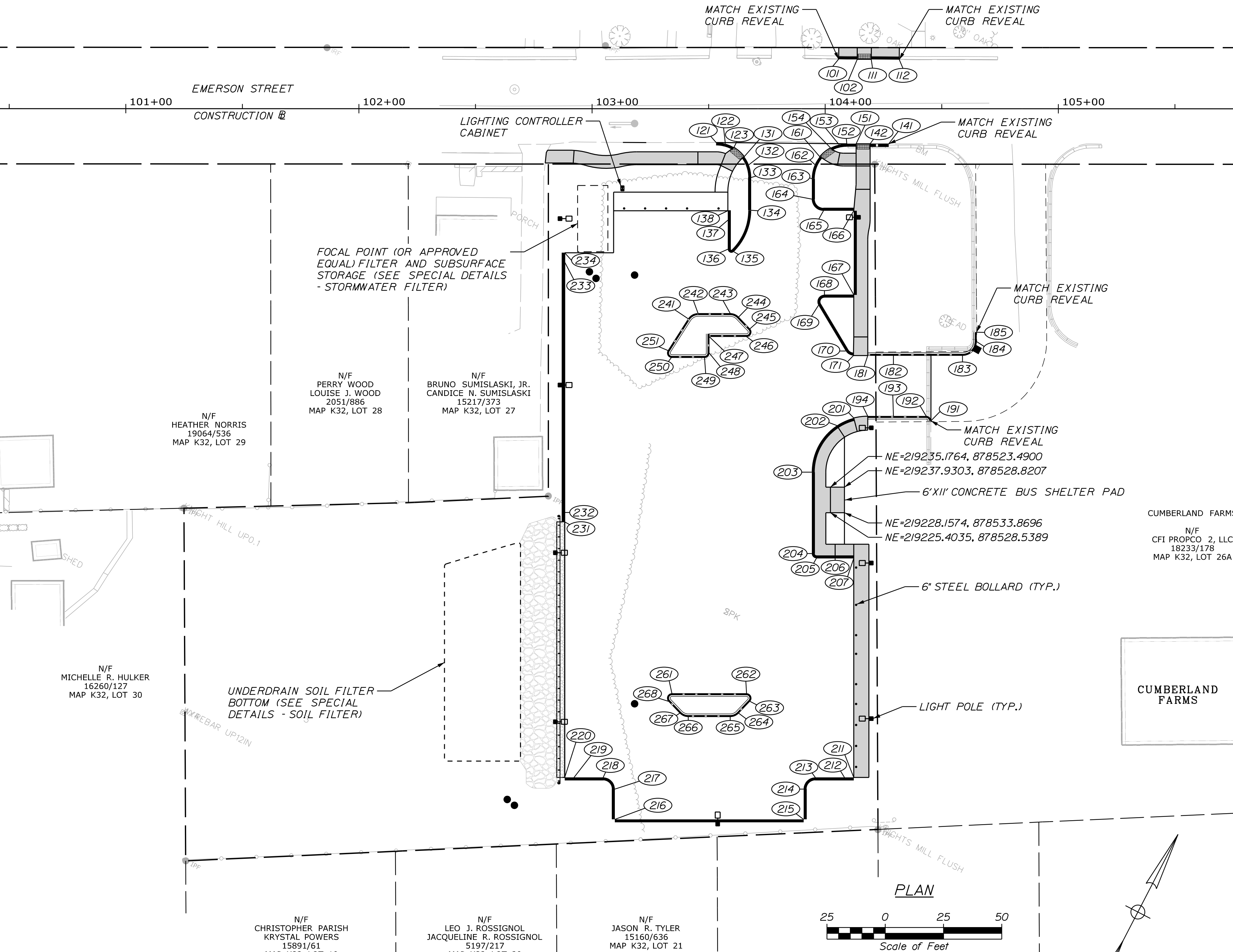
SHEET NUMBER

14

OF 18

CURB TABLE						
PT. NO.	FROM		PT. NO.	TO		CURB TYPE
	NORTHING	EASTING		NORTHING	EASTING	
101	219399.8197	878442.3723	102	219403.4473	878449.5024	8.00' - CSCTD
111	219406.1953	878454.8361	112	219411.5972	878465.5515	12.00' - CSCTD
121	219343.9723	878412.0945	122	219345.3237	878415.8467	4.00' 15.00 CSCTD
122	219345.3237	878415.8537	123	219345.6385	878419.8225	4.00' 15.00 CSCTD
131	219344.1359	878425.5973	132	219341.9233	878428.9154	4.00' 15.00 CSCTD
132	219341.9233	878428.9154	133	219337.5454	878432.3348	5.59' 15.00 CSC
133	219337.5454	878432.3348	134	219325.0583	878438.7859	14.06' CSC
134	219325.0583	878438.7859	135	219305.8249	878440.3405	19.81' 25.00 CSC
135	219305.8249	878440.3405	136	219305.6019	878437.5819	3.52' 1.50 CSC
136	219305.6019	878437.5819	137	219316.7075	878431.8445	12.50' - CSC
137	219316.7075	878431.8445	138	219320.2612	878430.0086	4.00' - CSCTD
141	219377.4461	878478.1297	142	219373.7742	878471.0221	8.00' - TDI
151	219371.0202	878465.6915	152	219369.1843	878462.1377	4.00' - CSCTD
152	219369.1843	878462.1377	153	219367.3827	878459.4219	3.27' 15.00 CSC
153	219367.3827	878459.4219	154	219364.4455	878456.7242	4.00' 15.00 CSCTD
161	219358.9783	878454.3507	162	219355.0018	878454.0470	4.00' 15.00 CSCTD
162	219355.0018	878454.0470	163	219348.9728	878455.6959	6.30' 15.00 CSC
163	219348.9728	878455.6959	164	219341.2270	878459.6976	8.72' CSC
164	219341.2270	878459.6976	165	219339.0797	878466.4347	7.85' 5.00 CSC
165	219339.0797	878466.4347	166	219345.0466	878477.9845	13.00' - CSC
166	219345.0466	878477.9845	167	219313.0627	878494.5080	36.00' - CSC
167	219313.0627	878494.5080	168	219307.2918	878483.3376	12.57' - CSC
168	219307.2918	878483.3376	169	219302.0769	878483.1335	6.33' 3.00 CSC
169	219302.0769	878483.1335	170	219290.0462	878502.5345	22.83' CSC
170	219290.0462	878502.5345	171	219289.8351	878506.3641	4.00' 4.00 CSCTD
181	219292.6458	878511.8092	182	219297.6947	878521.5820	11.00' - TD5
182	219297.6947	878521.5820	183	219311.2983	878547.9138	29.64' - 5
183	219311.2983	878547.9138	184	219319.3862	878550.4888	9.43' 6.00 5
184	219319.3862	878550.4888	185	219322.9388	878548.6506	4.00' - 5
191	219280.1939	878548.7174	192	219281.0557	878546.0210	3.14' 2.00 5
192	219281.0557	878546.0210	193	219274.5952	878533.5157	14.08' - 5
193	219274.5952	878533.5157	194	219269.5463	878523.7428	11.00' - TD5
201	219266.1153	878518.7620	202	219259.8965	878513.7884	8.00' 24.00 CSCTD
202	219259.8965	878513.7884	203	219237.2080	878513.4359	23.63' 24.00 CSC
203	219237.2080	878513.4359	204	219206.1838	878529.4637	34.92' CSC
204	219206.1838	878529.4637	205	219205.3248	878532.1586	3.14' 2.00 CSC
205	219205.3248	878532.1586	206	219208.9967	878539.2661	8.00' - CSC
206	219208.9967	878539.2661	207	219212.6687	878546.3737	8.00' - CSCTD
211	219129.1551	878589.5185	212	219127.3191	878585.9647	4.00' - CSCTD
212	219127.3191	878585.9647	213	219121.5818	878574.8592	12.50' - CSC
213	219121.5818	878574.8592	214	219114.8446	878572.7119	7.85' 5.00 CSC
214	219114.8446	878572.7119	215	219103.2948	878578.6788	13.00' - CSC
215	219103.2948	878578.6788	216	219066.1168	878506.7149	81.00' - CSC
216	219066.1168	878506.7149	217	219077.6666	878500.7481	13.00' - CSC
217	219077.6666	878500.7481	218	219079.8139	878494.0109	7.85' 5.00 CSC
218	219079.8139	878494.0109	219	219074.0765	878482.9054	12.50' - CSC
219	219074.0765	878482.9054	220	219072.2406	878479.3516	4.00' - CSCTD
231	219169.6170	878429.0449	232	219173.1708	878427.2090	4.00' - CSCTD
232	219173.1708	878427.2090	233	219268.5864	878377.9153	107.40' - CSC
233	219268.5864	878377.9153	234	219272.1401	878376.0794	4.00' - CSCTD
241	219271.3241	878436.1736	242	219275.3080	878438.8576	5.01' 5.00 5
242	219275.3080	878438.8576	243	219281.6288	878451.0925	13.77' 5
243	219281.6288	878451.0925	244	219281.9120	878455.0215	4.05' 5.00 5
244	219281.9120	878455.0215	245	219279.6243	878461.6371	7.00' - 5
245	219279.6243	878461.6371	246	219275.9572	878461.9014	4.66' 2.00 5
246	219275.9572	878461.9014	247	219268.6134	878447.6864	16.00' - 5
247	219268.6134	878447.6864	248	219262.3943	878450.8993	8.25' - 5
248	219262.3943	878450.8993	249	219259.6995	878450.0404	3.14' 2.00 5
249	219259.6995	878450.0404	250	219253.2737	878437.6022	14.00' 5
250	219253.2737	878437.6022	251	219255.2338	878434.6926	4.28' 2.00 5
251	219255.2338	878434.6926	241	219271.3241	878436.1736	16.16' - 5
261	219125.3379	878503.6964	262	219140.0255	878532.1266	32.00' - 5
262	219140.0255	878532.1266	263	219137.6880	878534.9644	4.66' 2.00 5
263	219137.6880	878534.9644	264	219130.9687	878533.0019	7.00' - 5
264	219130.9687	878533.0019	265	219127.9282	878530.4974	4.05' 5.00 5
265	219127.9282	878530.4974	266	219119.6664	878514.5054	18.00' - 5
266	219119.6664	878514.5054	267	219119.3832	878510.5764	4.05' 5.00 5
267	219119.3832	878510.5764	268	219121.6709	878503.9608	7.00' - 5
268	219121.6709	878503.9608	261	219125.3379	878503.6964	4.66' 2.00 5

TDI = TYPE 1 GRANITE CURB TIPDOWN
CSC = CONCRETE SLIPFORM CURB
CSCTD = CONCRETE SLIPFORM CURB TIPDOWN
5 = TYPE 5 GRANITE CURB
TD5 = TYPE 5 GRANITE CURB TIPDOWN



CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
22642.01

SANFORD
EMERSON STREET
PARKING FACILITY

GEOMETRIC CURB LAYOUT

SHEET NUMBER
15
OF 18

PROJ. MANAGER
T. WARREN
DESIGN-DETAILED
CHECKED-REVIEWED
DESIGN-DETAILED
DESIGN-DETAILED
REVISIONS 1
REVISIONS 2
REVISIONS 3
FIELD CHANGES

DATE
08/26
08/26
-
-
-
-
-
-

BY
M. HILL
M. CUNIFF
D. EITINGER
-
-
-
-
-

SIGNATURE
-
-
-
-
-
-
-
-

P.E. NUMBER
-
-
-
-
-
-
-
-

DATE
-
-
-
-
-
-
-
-

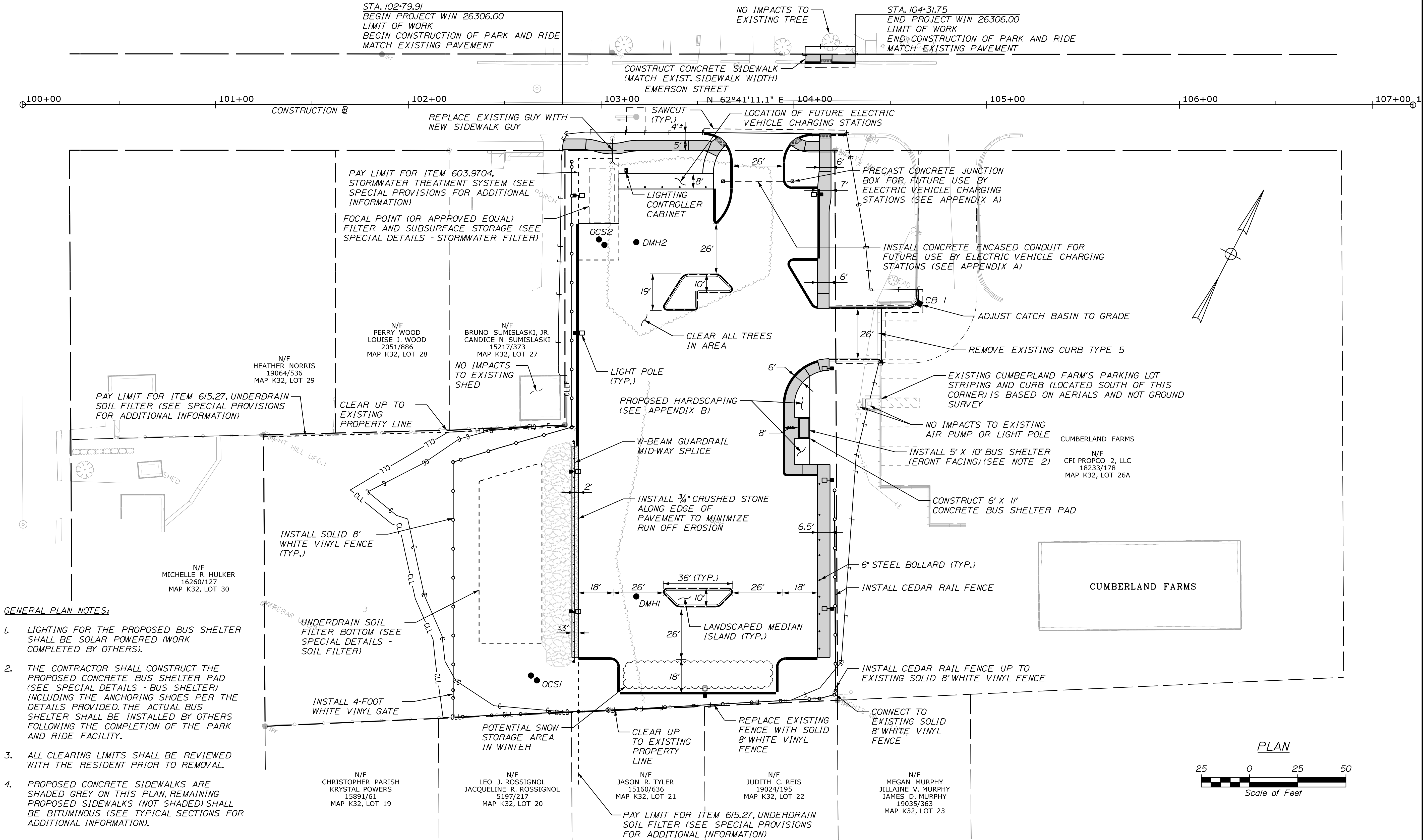
Date: 8/12/2026

Username: Mike.Cundiff

Division: HIGHWAY

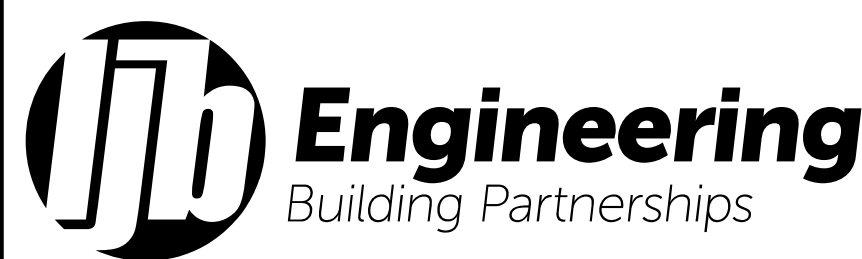
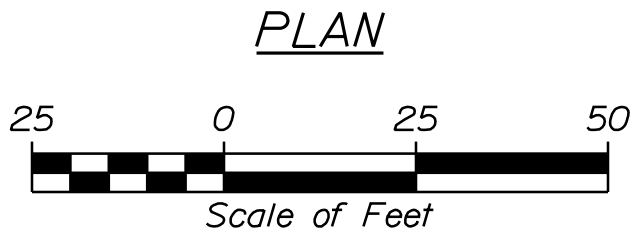
Filename: ...\\00\\Highway\\016_HDPlan01.dgn

U:\City of Sanford Maine\342112-Sanford Park & Ride Lot V - CAD\00\Highway\016_HDPlan01.dgn

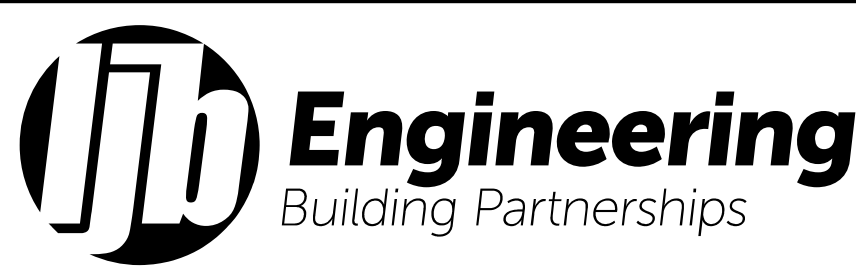
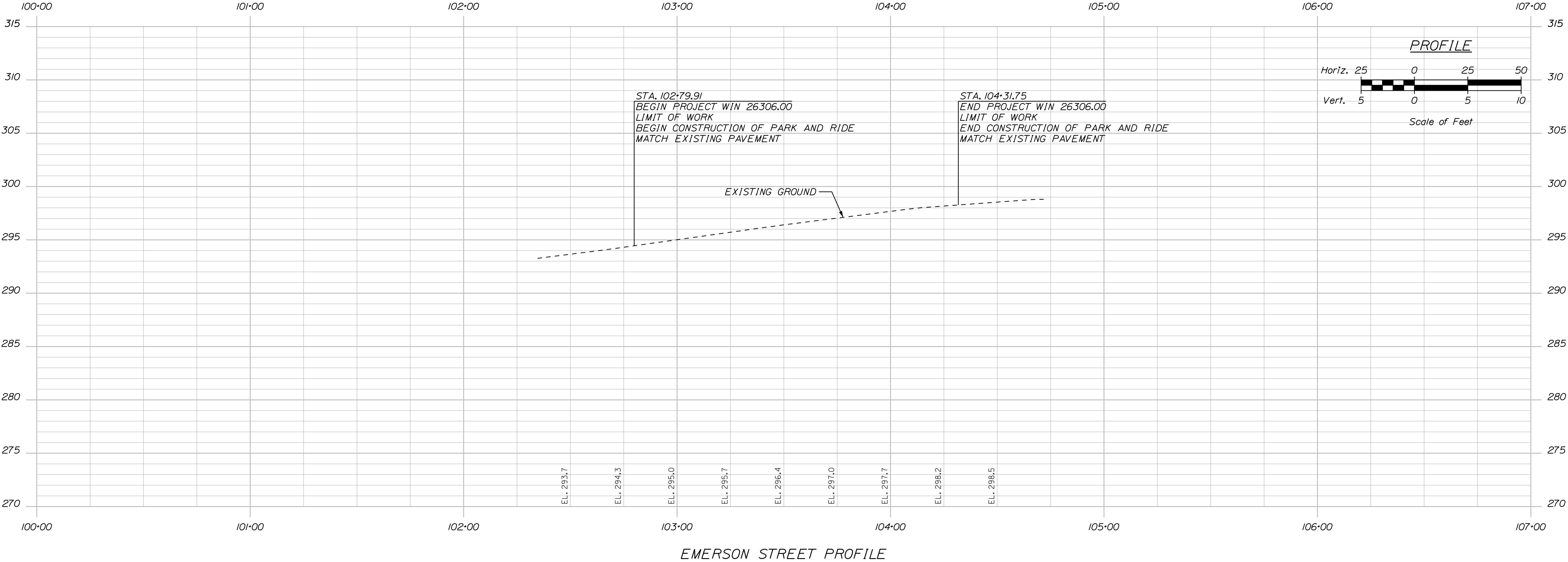


GENERAL PLAN NOTES:

1. LIGHTING FOR THE PROPOSED BUS SHELTER SHALL BE SOLAR POWERED (WORK COMPLETED BY OTHERS).
2. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED CONCRETE BUS SHELTER PAD (SEE SPECIAL DETAILS - BUS SHELTER) INCLUDING THE ANCHORING SHOES PER THE DETAILS PROVIDED. THE ACTUAL BUS SHELTER SHALL BE INSTALLED BY OTHERS FOLLOWING THE COMPLETION OF THE PARK AND RIDE FACILITY.
3. ALL CLEARING LIMITS SHALL BE REVIEWED WITH THE RESIDENT PRIOR TO REMOVAL.
4. PROPOSED CONCRETE SIDEWALKS ARE SHADED GREY ON THIS PLAN. REMAINING PROPOSED SIDEWALKS (NOT SHADED) SHALL BE BITUMINOUS (SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION).



CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073		WIN 22642.01	
SANFORD EMERSON STREET PARKING FACILITY		GENERAL PLAN	
SHEET NUMBER		16 OF 18	
PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DATE
M. HILL	T. WARREN	M. CUNDIFF	08/26
DESIGN-DETAILED	J. WARDENBACH	D. EITINGER	08/26
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SIGNATURE		P.E. NUMBER	
DATE			



PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08/26
CHECKED-REVIEWED	J. WUNDERBACH	D. EITINGER	08/26
DESIGN-DETAILED	-	-	-
DESIGN-DETAILED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE	P.E. NUMBER	DATE

CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073	WIN 22642.01
--	-----------------

SANFORD EMERSON STREET PARKING FACILITY	PROFILE SHEET
---	---------------

SHEET NUMBER	17
OF 18	

PLANT LIST

SYMB.	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	SPACING
DECIDUOUS TREES (08 TOTAL)					
AR	ACER RUBRUM 'OCTOBER GLORY'	RED MAPLE	04	3" CAL	PER PLAN
UA	ULMUS AMERICANA	PRINCETON ELM	04	3" CAL	PER PLAN
EVERGREEN TREES (08 TOTAL)					
PG	PICEA GLAUCA	WHITE SPRUCE	02	8'-10'	PER PLAN
TO	THUJA OCCIDENTALIS	EASTERN WHITE CEDAR	06	8'-10'	PER PLAN
SHRUBS (29 TOTAL)					
CO	CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	14	5 GAL.	PER PLAN
CS	CORNUS SERICEA	RED-TWIG DOGWOOD	06	5 GAL.	PER PLAN
IG	ILEX GLABRA	INKBERRY	09	5 GAL.	PER PLAN

PERENNIALS AND ORNAMENTAL GRASSES (847 TOTAL)

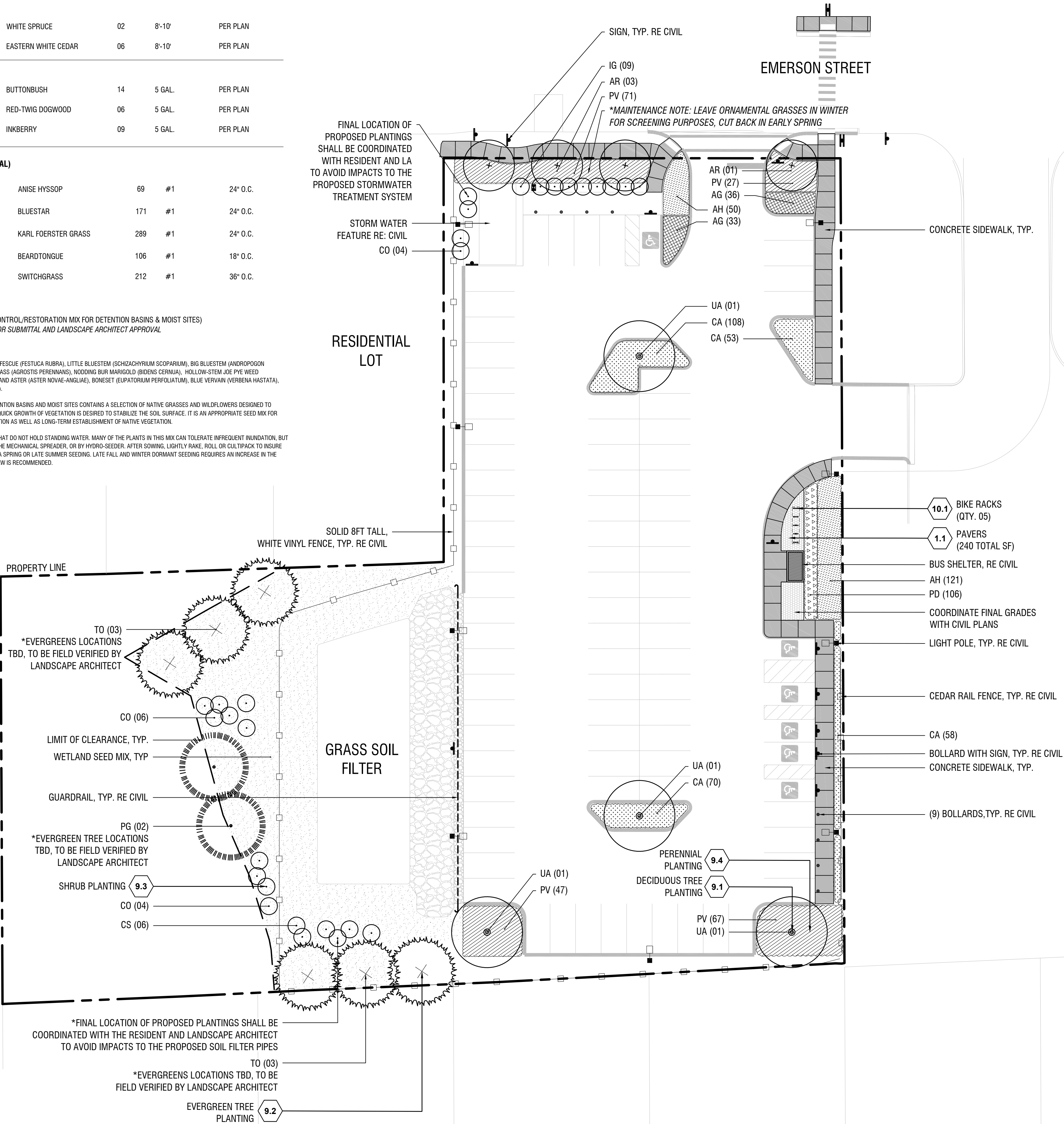
AG	AGASTACHE FOENICULUM	ANISE HYSSOP	69	#1	24" O.C.
AH	AMOSONIA HUBRICHTII	BLUESTAR	171	#1	24" O.C.
CA	CALAMAGROSTIS x ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER GRASS	289	#1	24" O.C.
PD	PENSTEMON DIGITALIS 'DARK TOWERS'	BEARDTONGUE	106	#1	18" O.C.
PV	PANICUM VIRGATUM	SWITCHGRASS	212	#1	36" O.C.

SEED MIXES
7,200 SF (6 LB) SEED MIX (NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS & MOIST SITES)
*NOTE: OR APPROVED EQUAL, SUBJECT TO CONTRACTOR SUBMITTAL AND LANDSCAPE ARCHITECT APPROVAL

HTTPS://NEWP.COM
35 LBS/ACRE | 1250 SQ FT/LB
SPECIES: RIVERBANK WILD RYE (ELYMUS RIPARIUS), CREEPING RED FESCUE (FESTUCA RUBRA), LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM), BIG BLUESTEM (ANDROPOGON GERARDII), SWITCH GRASS (PANICUM VIRGATUM), UPLAND BENTGRASS (AGROSTIS PERENNANS), NODDING BUR MARIGOLD (BIDENS CERNUA), HOLLOW-STEM JOE PYE WEEED (EUPATORIUM FISTULOSUM/EUTROCHIUM FISTULOSUM), NEW ENGLAND ASTER (ASTER NOVAE-ANGLIAE), BONESET (EUPATORIUM PERFOLIATUM), BLUE VERVAIN (VERBENA HASTATA), SOFT RUSH (JUNCUS EFFUSUS), WOOL GRASS (SCIRPUS CYPERINUS).

THE NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES CONTAINS A SELECTION OF NATIVE GRASSES AND WILDFLOWERS DESIGNED TO COLONIZE GENERALLY MOIST, RECENTLY DISTURBED SITES WHERE QUICK GROWTH OF VEGETATION IS DESIRED TO STABILIZE THE SOIL SURFACE. IT IS AN APPROPRIATE SEED MIX FOR ECOLOGICALLY SENSITIVE RESTORATIONS THAT REQUIRE STABILIZATION AS WELL AS LONG-TERM ESTABLISHMENT OF NATIVE VEGETATION.

THIS MIX IS PARTICULARLY APPROPRIATE FOR DETENTION BASINS THAT DO NOT HOLD STANDING WATER. MANY OF THE PLANTS IN THIS MIX CAN TOLERATE INFREQUENT INUNDATION, BUT NOT CONSTANT FLOODING. THE MIX MAY BE APPLIED BY HAND, BY THE MECHANICAL SPREADER, OR BY HYDRO-SEEDER. AFTER SOWING, LIGHTLY RAKE, ROLL OR CULTIPACK TO INSURE GOOD SEED TO SOIL CONTACT. BEST RESULTS ARE OBTAINED WITH A SPRING OR LATE SUMMER SEEDING. LATE FALL AND WINTER DORMANT SEEDING REQUIRES AN INCREASE IN THE APPLICATION RATE. A LIGHT MULCHING OF CLEAN, WEED-FREE STRAW IS RECOMMENDED.



SITE KEYNOTES:					
1.0 PAVEMENTS, RAMPS, CURBS		DETAIL / SHEET	6.0 RAILINGS, BARRIERS, FENCING		DETAIL / SHEET
1.1 CONCRETE PAVER		6/B2	XX NOT USED AT THIS TIME		X/XX-XX
2.0 JOINTING			7.0 SITE LIGHTING		
XX NOT USED AT THIS TIME		X/XX-XX	XX NOT USED AT THIS TIME		X/XX-XX
3.0 STEPS			8.0 DRAINAGE		
XX NOT USED AT THIS TIME		X/XX-XX	XX NOT USED AT THIS TIME		X/XX-XX
4.0 SITE WALLS/ EMBANKMENTS			9.0 PLANTING AND LANDSCAPE		
XX NOT USED AT THIS TIME		X/XX-XX	9.1 DECIDUOUS TREE PLANTING		1/B2
			9.2 CONIFEROUS TREE PLANTING		2/B2
			9.3 SHRUB PLANTING		3/B2
			9.4 PERENNIAL PLANTING		4/B2
5.0 SITE FURNITURE			10.0 MISCELLANEOUS ELEMENTS		
XX NOT USED AT THIS TIME		X/XX-XX	10.1 BIKE RACK		5/B2

Aceto
Kimball
Landscape Architecture
207 221 3390 | ACETOKIMBALL.COM



PROJECT TITLE

SANFORD PARK & RIDE
EMERSON STREET
SANFORD, MAINE

PREPARED FOR

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

REVISIONS	DATE
50% CD SUBMITTAL	11/11/22
DRAFT PIC SUBMITTAL	11/03/23
RESUBMITTAL	04/24/26
DRAFT PSE PLANS	05/20/26
PLANS FOR CONSTRUCTION	07/24/26

ISSUE DATE

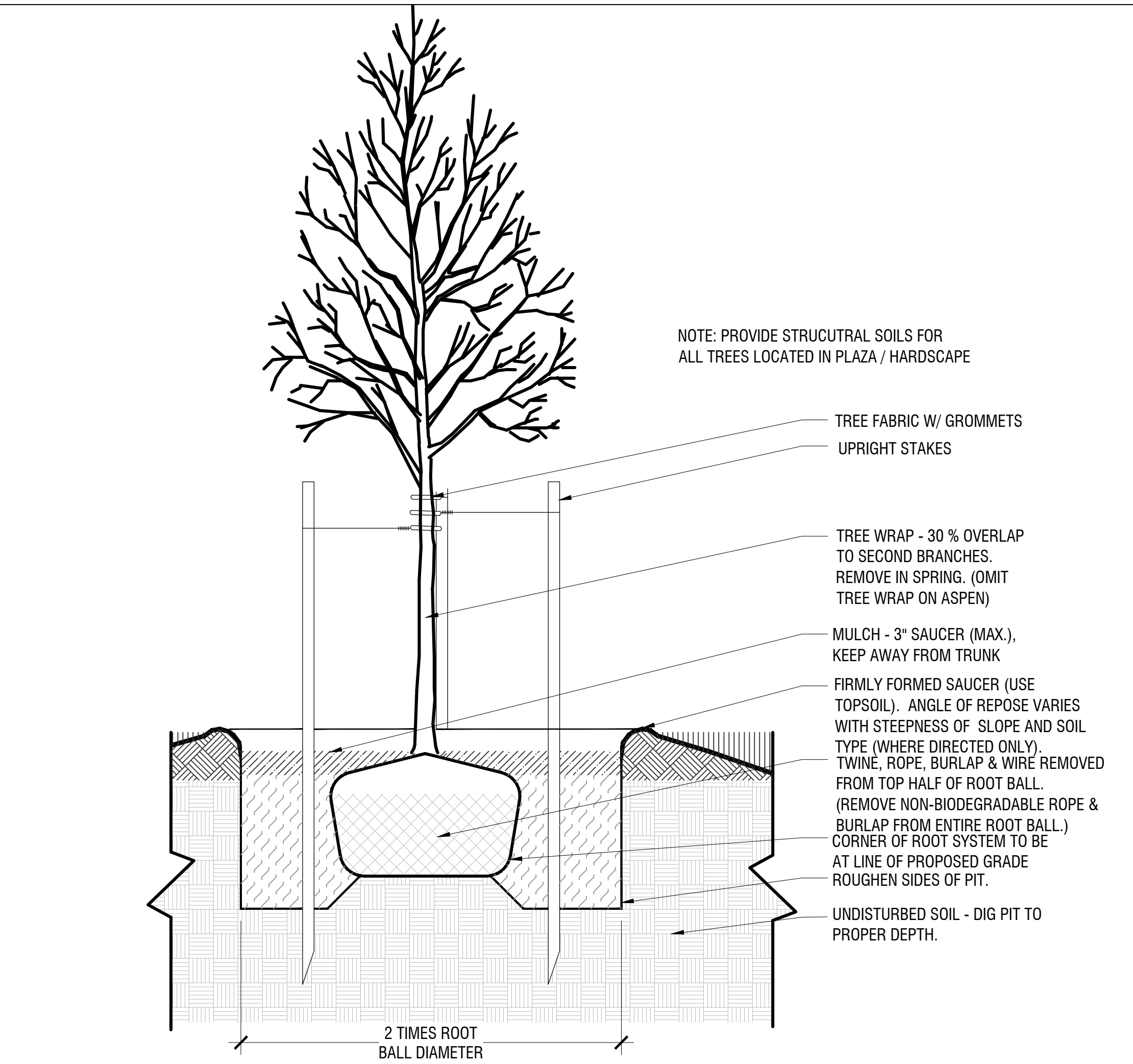
JULY 21, 2026

SHEET TITLE

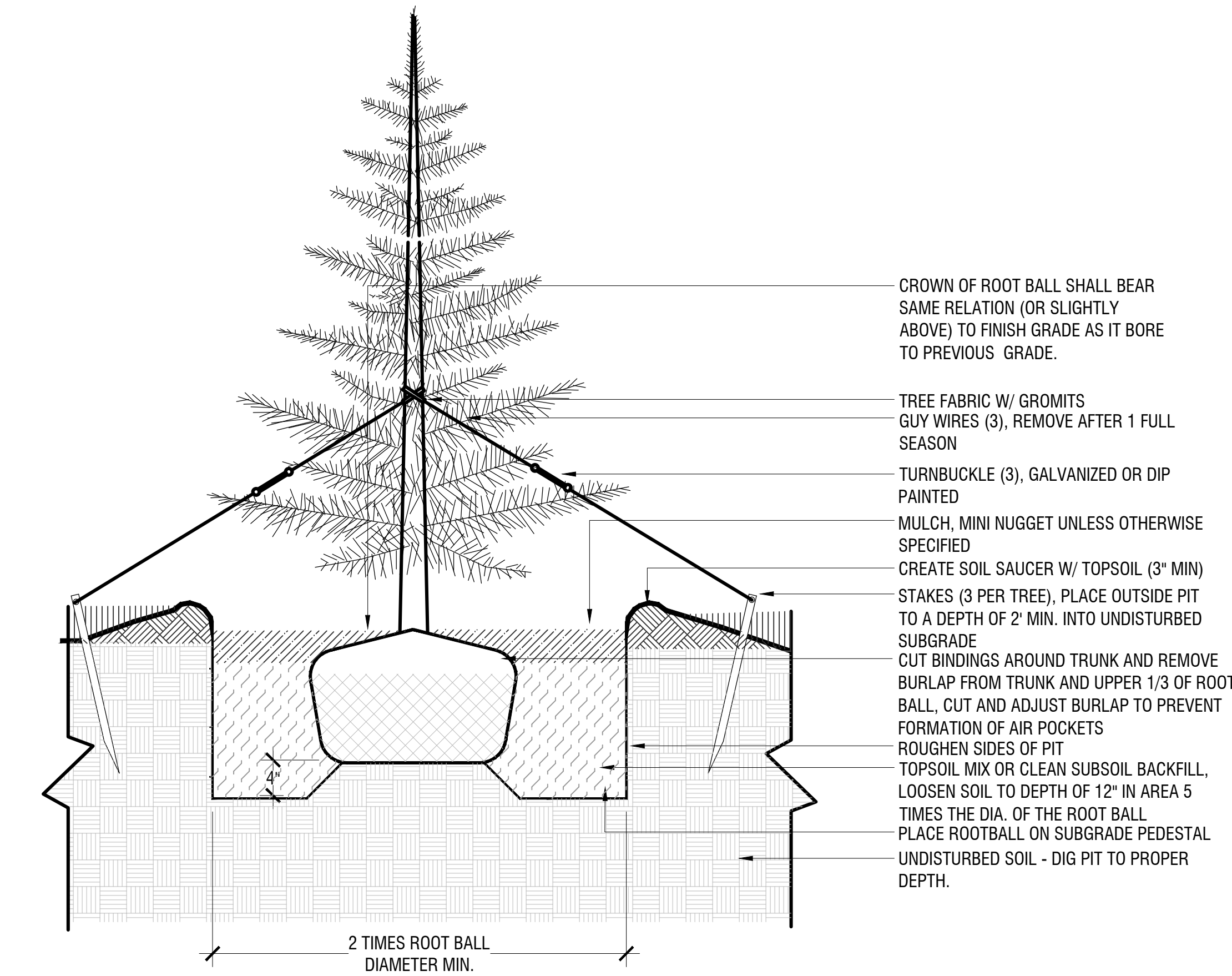
LANDSCAPE PLAN

SHEET INFORMATION

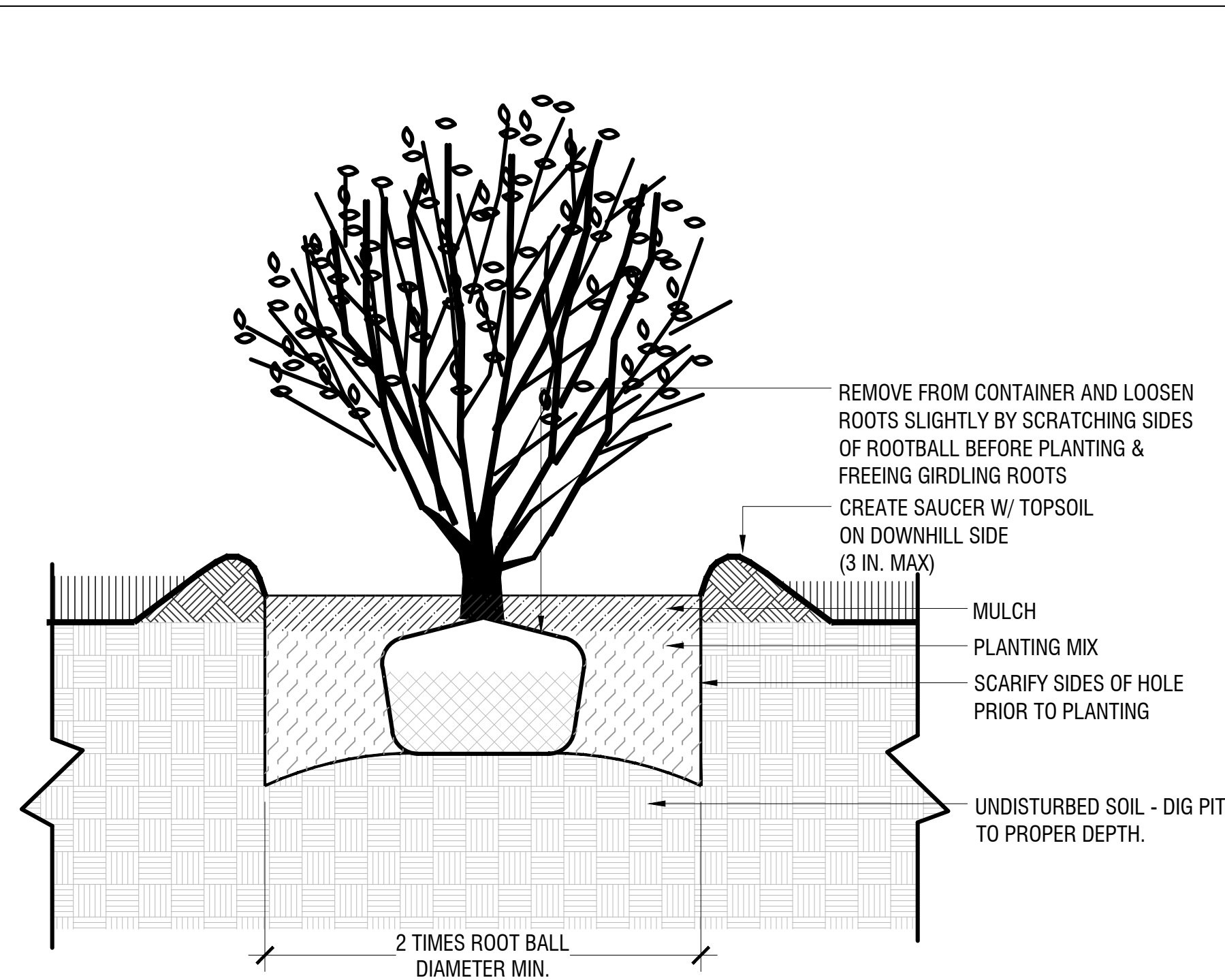
B1



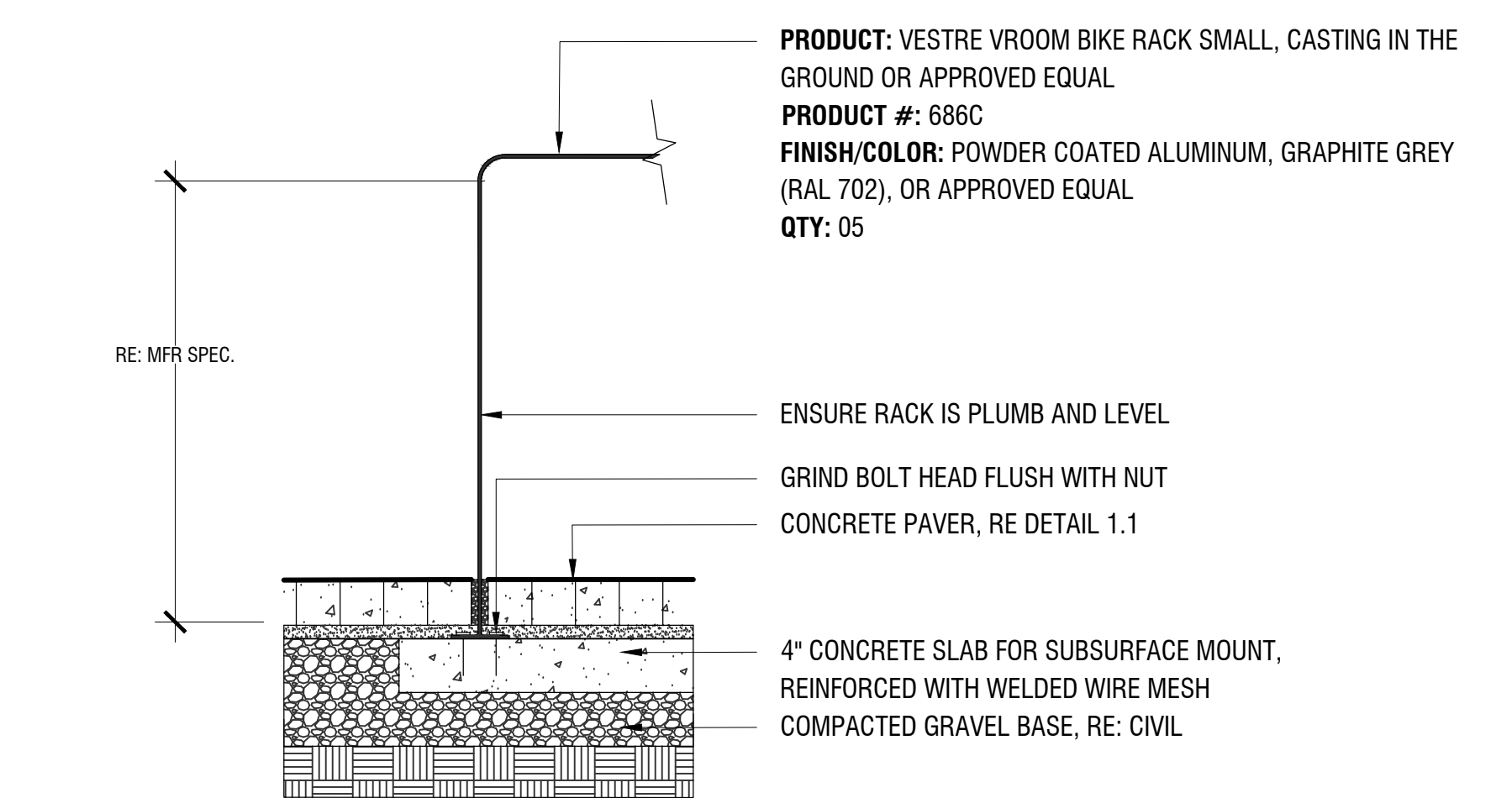
1 DECIDUOUS TREE PLANTING
1":1'-0"



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



3 SHRUB PLANTING
1":1'-0"



NOTE:

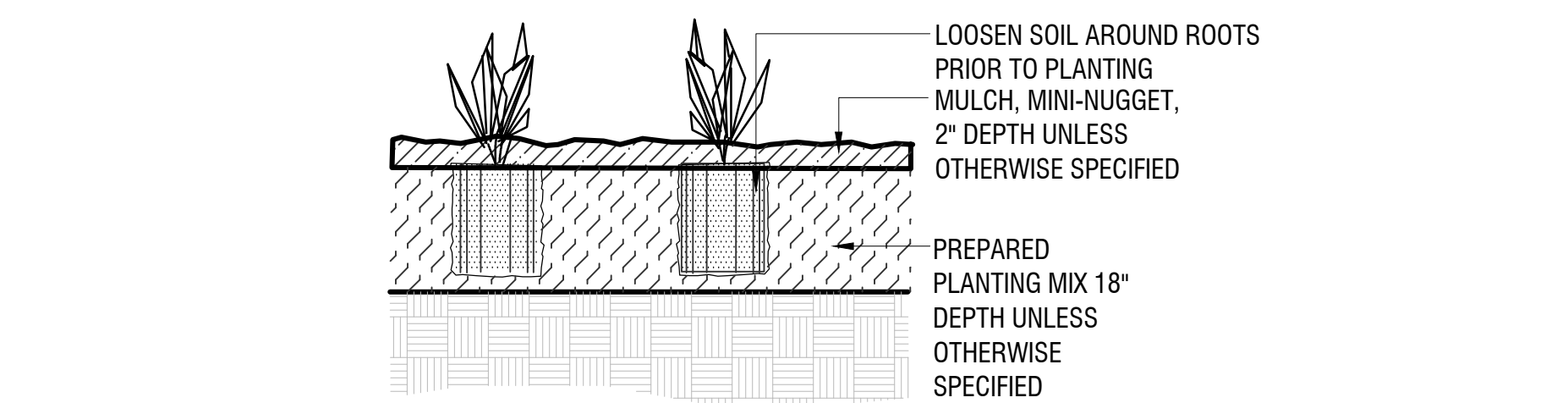
1. ALL DIMENSIONS INDICATED FOR CONCEPTUAL PURPOSES ONLY, REFER TO MANUFACTURER SPECIFICATIONS FOR FINAL MEASUREMENTS. CONTRACTOR TO VERIFY THAT PRODUCT IS SEALED TO AVOID LEACHING.
2. CONTRACTOR TO PROVIDE FINAL SHOP DRAWINGS PRIOR TO INSTALLATION FOR LANDSCAPE ARCHITECT TO APPROVE
3. COLOR SAMPLES AND/OR MATERIAL SAMPLES TO BE SENT TO LANDSCAPE ARCHITECT FOR FINAL APPROVAL PRIOR TO INSTALLATION

5 STREETLIFE: SOLID BIKE PARKING
1"=1'-0"

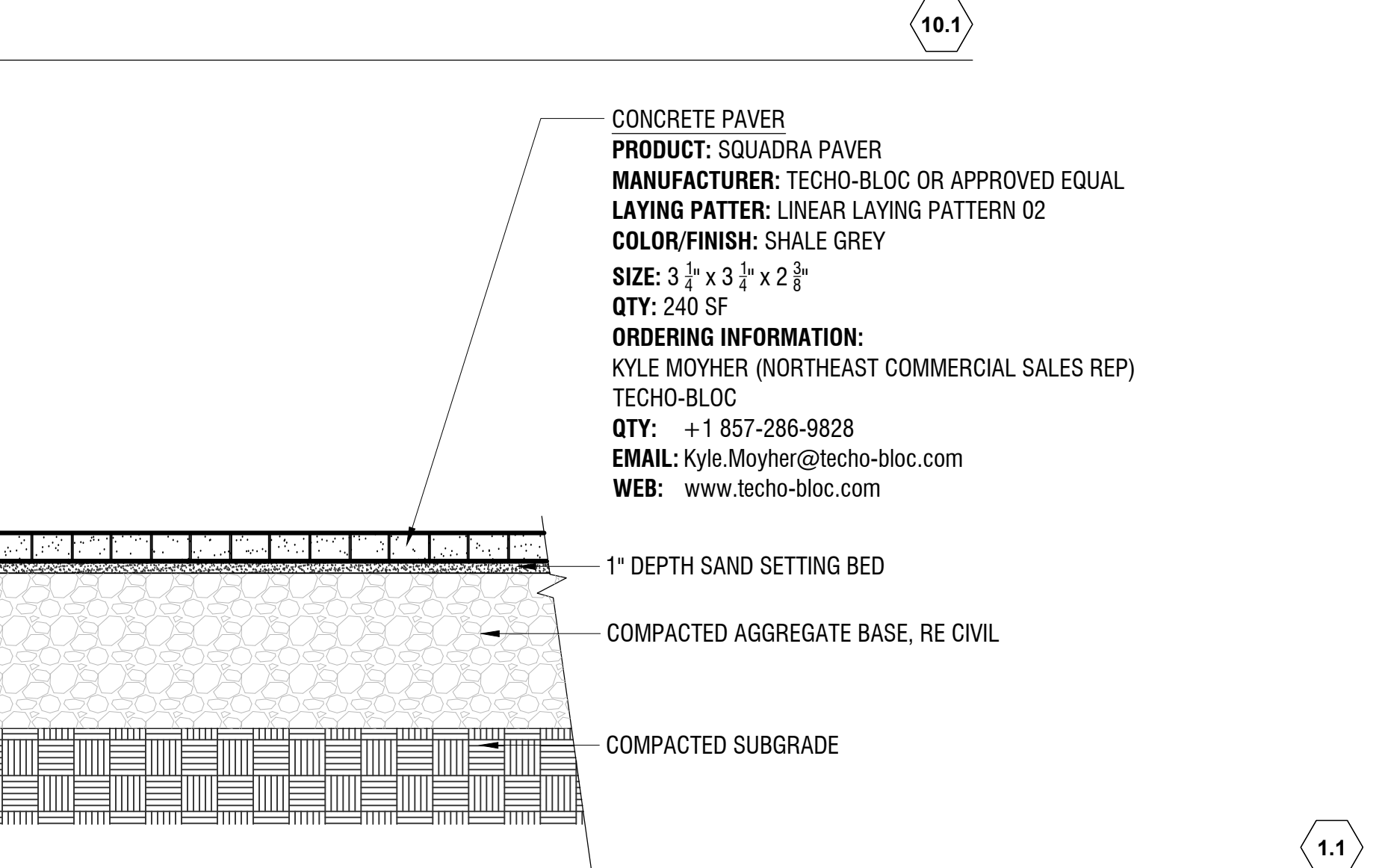


6 TECHOBLOC: SQUADRA PAVER
N.T.S

SITE KEYNOTES:					
1.0	PAVEMENTS, RAMPS, CURBS	DETAIL / SHEET	6.0	RAILINGS, BARRIERS, FENCING	DETAIL / SHEET
1.1	CONCRETE PAVER	6/B2	XX	NOT USED AT THIS TIME	X/XX-XX
2.0	JOINTING		7.0	SITE LIGHTING	
XX	NOT USED AT THIS TIME	X/XX-XX	XX	NOT USED AT THIS TIME	X/XX-XX
3.0	STEPS		8.0	DRAINAGE	
XX	NOT USED AT THIS TIME	X/XX-XX	XX	NOT USED AT THIS TIME	X/XX-XX
4.0	SITE WALLS/ EMBANKMENTS		9.0	PLANTING AND LANDSCAPE	
XX	NOT USED AT THIS TIME	X/XX-XX	9.1	DECIDUOUS TREE PLANTING	1/B2
5.0	SITE FURNITURE		9.2	CONIFEROUS TREE PLANTING	2/B2
XX	NOT USED AT THIS TIME	X/XX-XX	9.3	SHRUB PLANTING	3/B2
			9.4	PERENNIAL PLANTING	4/B2
			10.0	MISCELLANEOUS ELEMENTS	
			10.1	BIKE RACK	5/B2



4 PERENNIAL PLANTING
1":1'-0"



10.1

Aceto Kimball
Landscape Architecture
207 221 3390 | ACETOKIMBALL.COM

SEAL

LICENSED LANDSCAPE ARCHITECT
CAITLIN ACETO
No. 4398
STATE OF MAINE

PROJECT TITLE

SANFORD PARK & RIDE
EMERSON STREET
SANFORD, MAINE

PREPARED FOR

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

REVISIONS	DATE
50% CD SUBMITTAL	11/11/22
DRAFT PIC SUBMITTAL	11/03/23
RESUBMITTAL	04/24/26
DRAFT PSE PLANS	05/20/26
PLANS FOR CONSTRUCTION	07/24/26

ISSUE DATE

JULY 21, 2026

SHEET TITLE

LANDSCAPE DETAILS

SHEET INFORMATION

B2