

TEATOWN LAKE RESERVATION

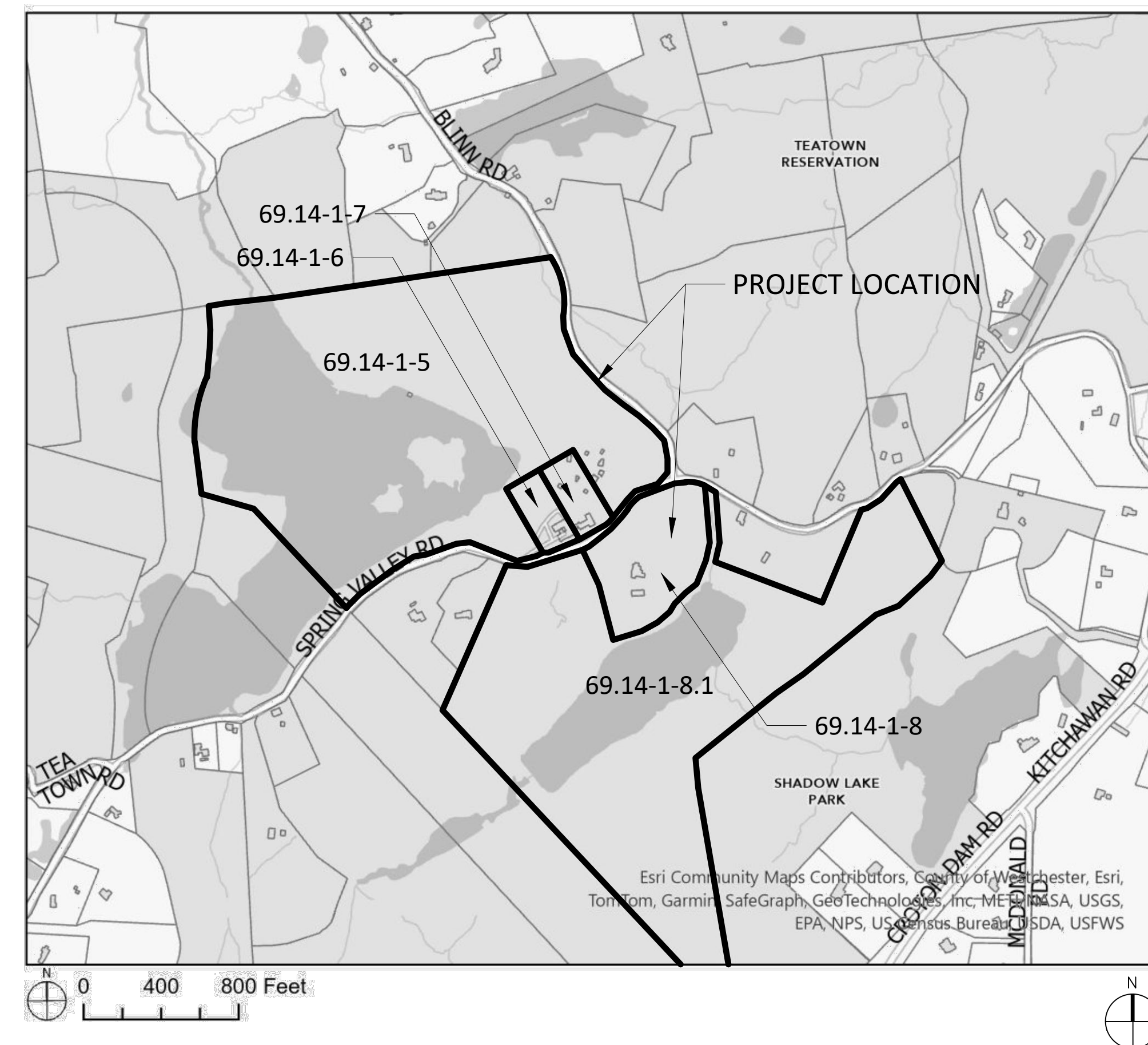
Ossining, New York

Application for Site Plan Approval, Special Use Permit, and Stormwater Management, Tree, and Wetland Permits

July 2, 2024
Revised October 4, 2024

RECEIVED
PLANNING DEPARTMENT
OCT 4 2024
TOWN OF YORKTOWN

LOCATION MAP
N.T.S.



ZONING COMPLIANCE TABLE

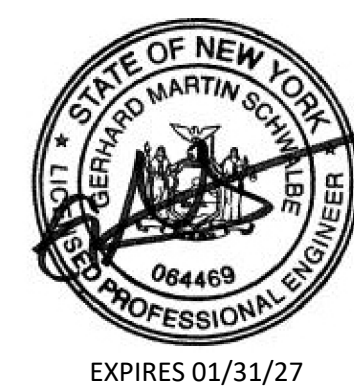
SECTION ¹	REQUIREMENTS - R1-200 District	REQUIRED/ PERMITTED	EXISTING CONDITIONS ²	PROPOSED PLAN
	Tax Parcels		Acres³	
	69.14-1-5	Trails, Raptor Loop, Blinn Road gravel parking area	63.09	New Education Building, parking area and trail improvements
	69.14-1-6	Visitor Center (1600 Spring Valley Road), main parking area	1.84	Renovations to Visitor Center and surrounds
	69.14-1-7	Carriage House, Red Barn	1.92	Renovations to Carriage House and surrounds
		Parcels north of Spring Valley Road	66.85	
	69.14-1-8	Environmental Science Center	7.84	Renovations to ESC surrounds
	69.14-1-8.1	South gravel parking area	57.16	Extension of south parking area
		Parcels south of Spring Valley Road	65.00	
		Total Application Area	131.85	131.85
§ 300-21C(1)	Use Regulations			
	(a) Permitted Main Uses			
	[5] Private and public parks, parkways and recreation facilities, but not including a commercial facility		Private Park ⁴	Reconfiguration of parking areas and trails
	(b) Main Uses Permitted by Special Permit			
	[5] Religious, charitable and eleemosynary institutions, as defined herein.		Educational Nonprofit Use ⁵	New Education Building
§ 300-54	Religious institutions, social, cultural, charitable and recreational nonprofit uses.			
	D. Min. Building Setback from property lines (ft)	75		To comply ⁶
	Max. Building Coverage	20%		
	Properties under 20 acres	10%		To comply ⁶
	Properties over 20 acres			
Appendix A	Residence Zone Standards			
	Min. Lot Area (sq ft)	200,000		
	(ac)	4.59	66.8 ac / 65 ac	66.8 ac / 65 ac
	Min. Lot Width at Main Building Line (ft)	200	Complying	Complying
	Min. Lot Depth (ft)	200	Complying	Complying
	Min. Yards (ft)			
	Front	75	±22' Carriage House ⁷	No Change
			±24' Visitor Center ⁷	No Change
	Side			
	One side	30	Complying	Complying
	Both sides combined	80	Complying	Complying
	Accessory building rear yard, one side	10	Complying	Complying
	Rear			
	Main building	75	Complying	Complying
	Accessory building	10	Complying	Complying
	Max. Height (ft)			
	Main building	35	Complying	Complying
	Accessory building	15	Complying	Complying
	Max. Building Coverage (all bldgs)	10%	Complying	Complying
	Min. Road Frontage (ft)	200	Complying	Complying
§ 300-182	Off-Street Parking Requirements		Required Spaces/Unit	
	A. As shown on the Schedule of Regulations and as supplemented below		No applicable categories	
	B. "Reasonable and appropriate off-street parking requirements for structures and land uses which do not fall within categories listed above shall be determined in each case by the Planning Board, which shall consider all factors entering into the parking needs of each such use."		122	134
NOTES				
	¹ Zoning Code, Chapter 300, Town of Yorktown with amendments (https://ecode360.com/6853812, accessed 5/25/23)			
	² Per topographic survey prepared by TC Merritts Land Surveyors dated 5/18/23			
	³ Per 2022 Town of Yorktown Final Assessment Roll			
	⁴ Per 2014 Site Plan Approval for South Lot on Parcel 69.14-1-8.1			
	⁵ Per 2017 Special Use Permit Approval for Environmental Science Center on Parcel 69.14-1-8			
	⁶ Three listed parcels north of Spring Valley Road to be combined for application purposes			

List of Drawings

SPA Drawing No.	Title	Date	By	Scale
---	Cover Sheet	10/04/24	DTSP	---
SP-0.10	Key Plan	10/04/24	SW	1"=50'
SP-0.20	Existing Conditions Plan	10/04/24	DTSP/TCM	1"=40'
SP-0.30	Site Demolition Plan	10/04/24	DTSP	1"=40'
SP-1.00	Overall Site Plan	10/04/24	DTSP	1"=60'
SP-1.01	Layout Plan - Blinn Road Access	10/04/24	SW	1"=20'
SP-1.02	Layout Plan - Main Campus	10/04/24	SW	1"=20'
SP-1.03	Layout Plan - Spring Valley Road	10/04/24	SW	1"=20'
SP-1.04	Layout Plan - Maintenance Garage	10/04/24	SW	1"=20'
SP-2.01	Materials Plan - Blinn Road Access	10/04/24	SW	1"=20'
SP-2.02	Materials Plan - Main Campus	10/04/24	SW	1"=20'
SP-2.03	Materials Plan - Spring Valley Road	10/04/24	SW	1"=20'
SP-2.04	Materials Plan - Maintenance Garage	10/04/24	SW	1"=20'
SP-3.01	Grading & Drainage Plan - Blinn Road Access	10/04/24	DTSP	1"=20'
SP-3.02	Grading & Drainage Plan - Main Campus	10/04/24	DTSP	1"=20'
SP-3.03	Grading & Drainage Plan - Spring Valley Road	10/04/24	DTSP	1"=20'
SP-3.04	Grading & Drainage Plan - Maintenance Garage	10/04/24	DTSP	1"=20'
SP-3.05	Driveway/Trail/Walkway Profiles	10/04/24	DTSP	1"= 60'h/6'v
SP-4.01	Utility Plan - Blinn Road Access	10/04/24	DTSP	1"=20'
SP-4.02	Utility Plan - Main Campus	10/04/24	DTSP	1"=20'
SP-4.03	Utility Plan - Spring Valley Road	10/04/24	DTSP	1"=20'
SP-4.04	Utility Plan - Maintenance Garage	10/04/24	DTSP	1"=20'
SP-4.05	OWTS Tank Plan - Main Campus	10/04/24	DTSP	1"=20'
SP-4.06	OWTS Profile And Details	10/04/24	DTSP	NTS
SP-4.07	Geothermal Borefield Plan	10/04/24	OLA	1"=20'
SP-5.00	Planting and Groundcover Schedule	10/04/24	SW	NTS
SP-5.01	Planting Plan - Blinn Road Access	10/04/24	SW	1"=20'
SP-5.02	Planting Plan - Main Campus	10/04/24	SW	1"=20'
SP-5.03	Planting Plan - Spring Valley Road	10/04/24	SW	1"=20'
SP-5.04	Planting Plan - Maintenance Garage	10/04/24	SW	1"=20'
SP-5.05	Planting Plan - Green Roof	10/04/24	SW	1"=20'
SP-5.06	Soils Plan	10/04/24	SW	1"=20'
SP-6.01	Tree Removal And Protection Plan - Blinn Road Access	10/04/24	SW	1"=20'
SP-6.02	Tree Removal And Protection Plan - Main Campus	10/04/24	SW	1"=20'
SP-6.03	Tree Removal And Protection Plan - Spring Valley Road	10/04/24	SW	1"=20'
SP-6.04	Tree Removal And Protection Plan - Maintenance Garage	10/04/24	SW	1"=20'
SP-7.01	Site Details - Paving	10/04/24	SW	NTS
SP-7.02	Site Details - Boardwalk	10/04/24	SW	NTS
SP-7.03	Site Details - Stone Stairs, Ramp and Slope Profiles	10/04/24	SW	NTS
SP-7.04	Site Details - Handrail	10/04/24	SW	NTS
SP-7.05	Site Details - Fencing	10/04/24	SW	NTS
SP-7.06	Site Details - Curbs, Edging and Erosion Control	10/04/24	SW	NTS
SP-7.07	Site Details - Parking Lot and Pedestrian Crossing	10/04/24	SW	NTS
SP-7.08	Site Details - Site Furnishing	10/04/24	SW	NTS
SP-7.09	Site Details - Planting	10/04/24	SW	NTS
SP-7.10	Site Details - Soil Profiles	10/04/24	SW	NTS
SP-7.11	Site Details - Storm Drainage and Miscellaneous	10/04/24	DTSP	NTS
SP-8.00	Site Lighting Plan	10/04/24	LUM	1"=40'
SP-9.00	Erosion & Sediment Control Plan	10/04/24	DTSP	1"=40'
SP-9.01	Erosion & Sediment Control Plan Details	10/04/24	DTSP	NTS
SP-10.01	Emergency Service Maneuvering Plan	10/04/24	DTSP	1"=40'

LEGEND

DTSP	DTS Provident Design Engineering, LLP
SW	Starr Whitehouse Landscape Architects and Planners PLLC
LUM	Lumen Architecture, PLLC
OLA	OLA Consulting Engineers, PC
TCM	TC Merritts Land Surveyors, PC



OWNER / APPLICANT TEATOWN LAKE RESERVATION 1600 SPRING VALLEY RD, OSSINING, NY 10562	CIVIL ENGINEER DTS • PROVIDENT Intelligent Land Use DTS Provident Design Engineering, LLP One North Broadway White Plains, NY 10601 CA #: 0017846	ARCHITECT nARCHITECTS, PLLC 88 Jay #317 Brooklyn, NY 11201	LANDSCAPE ARCHITECT STARR WHITEHOUSE 80 BROAD ST, SUITE 1700 NEW YORK, NY 10004	STRUCTURAL ENGINEER SILMAN 32 OLD SLIP, 10TH FLOOR NEW YORK, NY 10005	MEP ENGINEER OLA 50 BROADWAY, HAWTHORNE, NY 10523	LIGHTING DESIGNER LUMEN 108 EAST 16TH ST, 6TH FLOOR NEW YORK, NY 10003	COST ESTIMATOR ELLANA 32 BROADWAY, 8TH FLOOR NEW YORK, NY 10004	VERTICAL TRANSPORTATION LERCH BATES 1430 BROADWAY, SUITE 808 NEW YORK, NY 10018	ACOUSTIC CONSULTANT SM&W 275 MADISON AVE, 14TH FLOOR NEW YORK, NY 10016
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Date	Issue
10/04/24	For planning board review

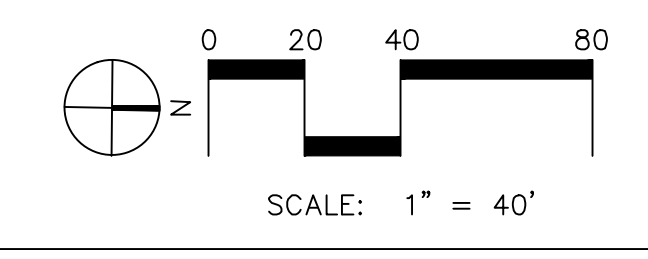
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 EXPIRES 01/31/27

Sheet Title:
**EXISTING
CONDITIONS PLAN**

Date: 2 July, 2024
Project No: 1023
Dwg By: RCC/HV
Chk By: MSG

SP-0.20

Pg No:



Vernay Lake

Teatown Lake

BLINN RD
SPRING VALLEY RD
SHEET 10

CROFT SCIENCE CENTER

CARriage HOUSE

NATURE CENTER

RAPTOR LOOP

MAINTENANCE GARAGE

SUPER SHED

POND

GARAGE

SPRING VALLEY RD

BLINN RD

EXISTING LOT

PARKING LOT

EXISTING TANK
EXISTING TANK AREA

BLINN PARKING LOT



SEE LANDSCAPE ARCHITECT PLANS FOR SITE FEATURE
SEE ARCHITECTURAL PLANS FOR GREEN ROOF (2,500 SF, APPROX.)

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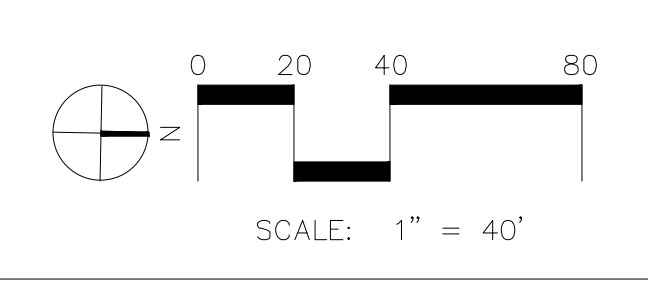
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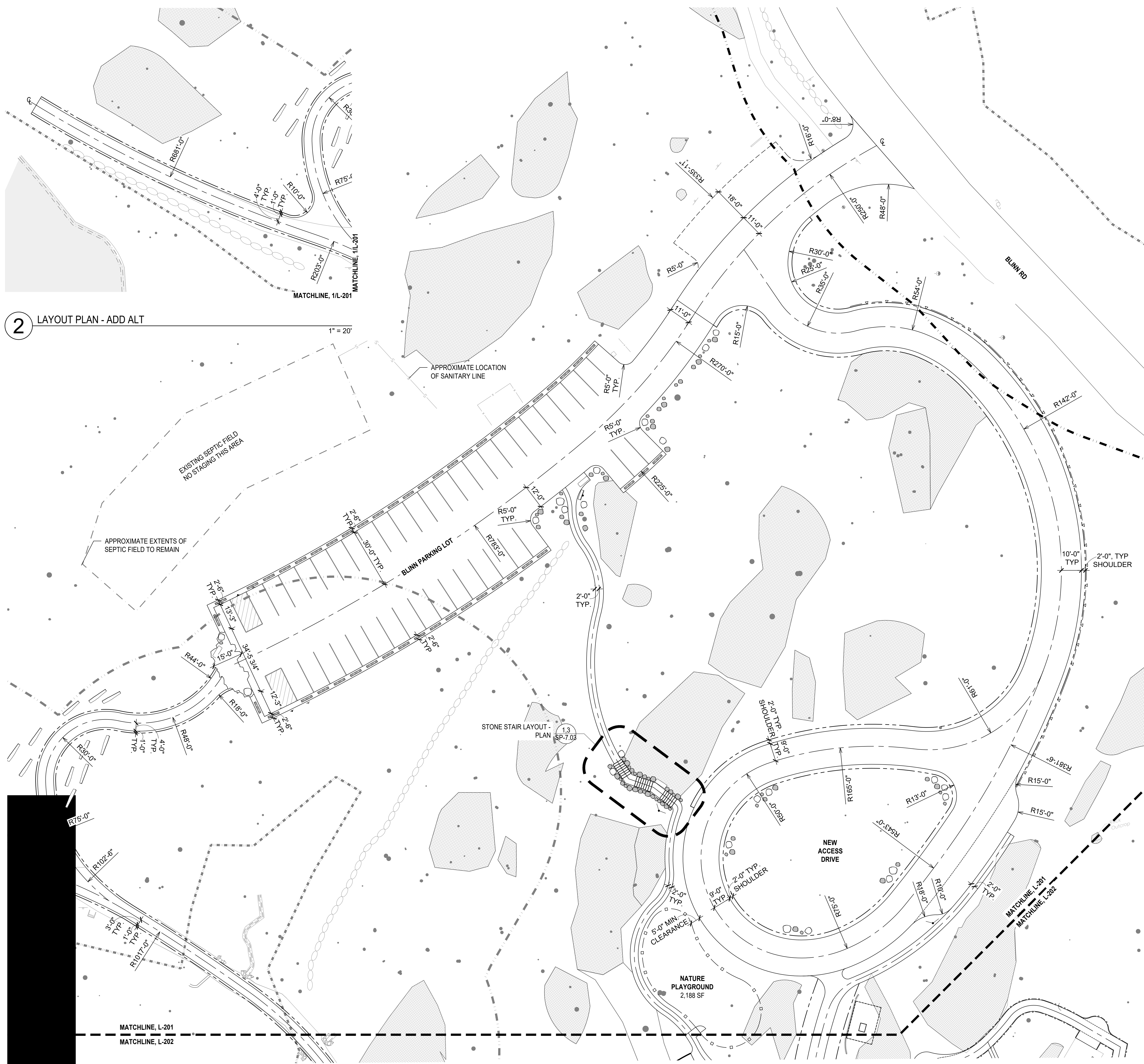


Sheet Title:
**OVERALL
SITE PLAN**

Date: 2 July, 2024
Project No: 1023
Dwg By: RCC/HV
Chk By: MSG

SP-1.00
Pg No:





LAYOUT LEGEND

	100' WETLAND BUFFER
	WETLAND BOUNDARY FLAGGED BY STEVE MARINO, TIM MILLER ASSOCIATES BY AUGUST 11, 2023
	EXISTING STONE RETAINING WALL
	ROCK OUTCROP
	EXISTING TREE DBH
	COORDINATE
	TANGENCY
	DIMENSION
	RADIUS OF CURVE
	CENTERLINE

2 LAYOUT PLAN - ADD ALT

1 L-201 LAYOUT PLAN 1 OF 4

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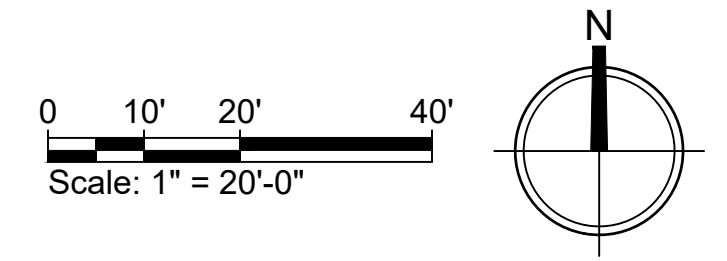
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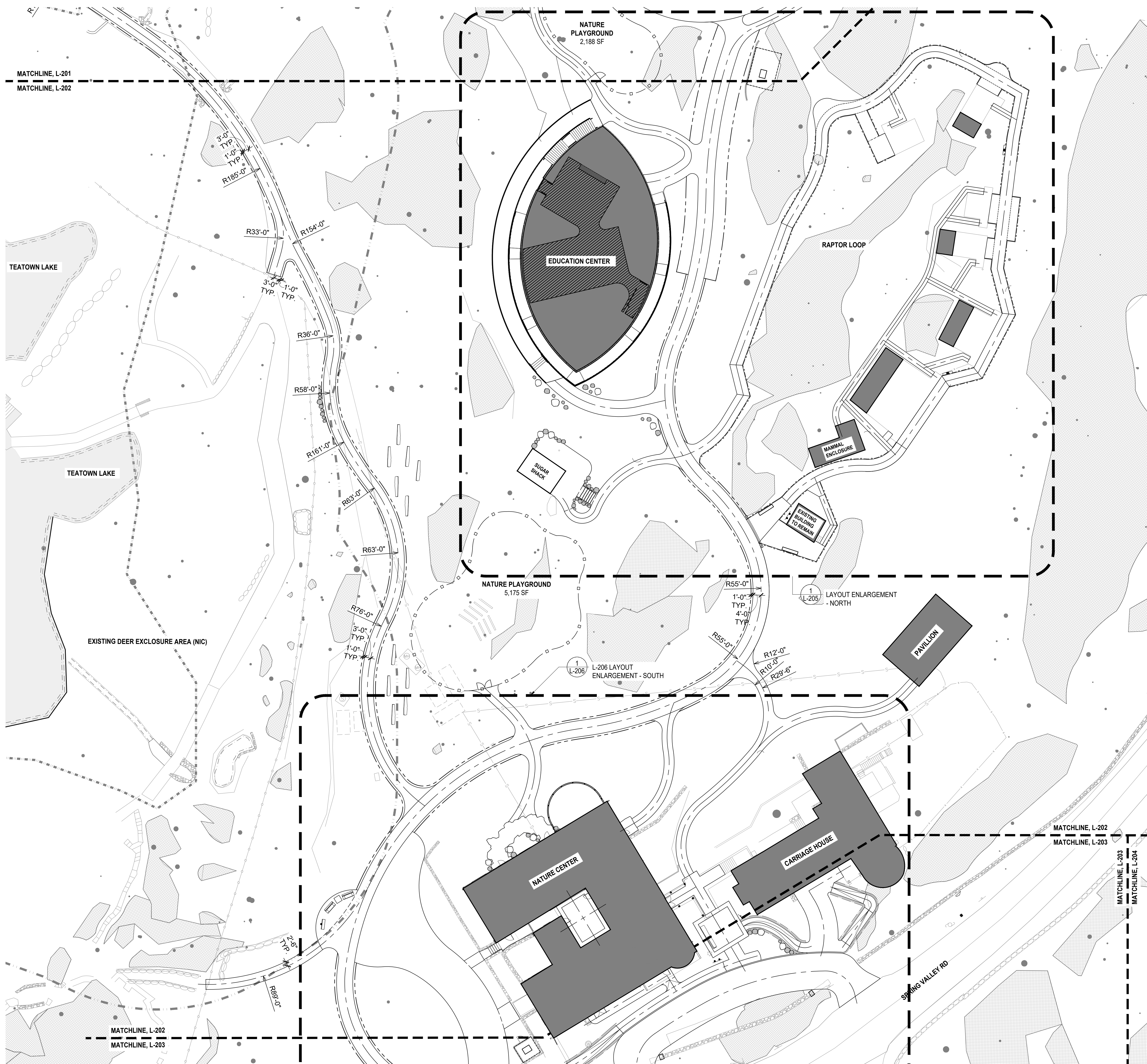
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Sheet Title:
LAYOUT PLAN - BLINN ROAD ACCESS

Date: 2 July, 2024
 Project No: 1023
 Dwg By: YT, RS
 Check By: GWL

SP-1.01
 Pg No: XX OF XXX





LAYOUT LEGEND

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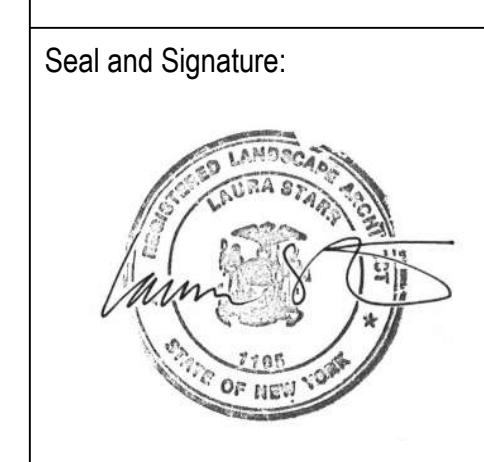
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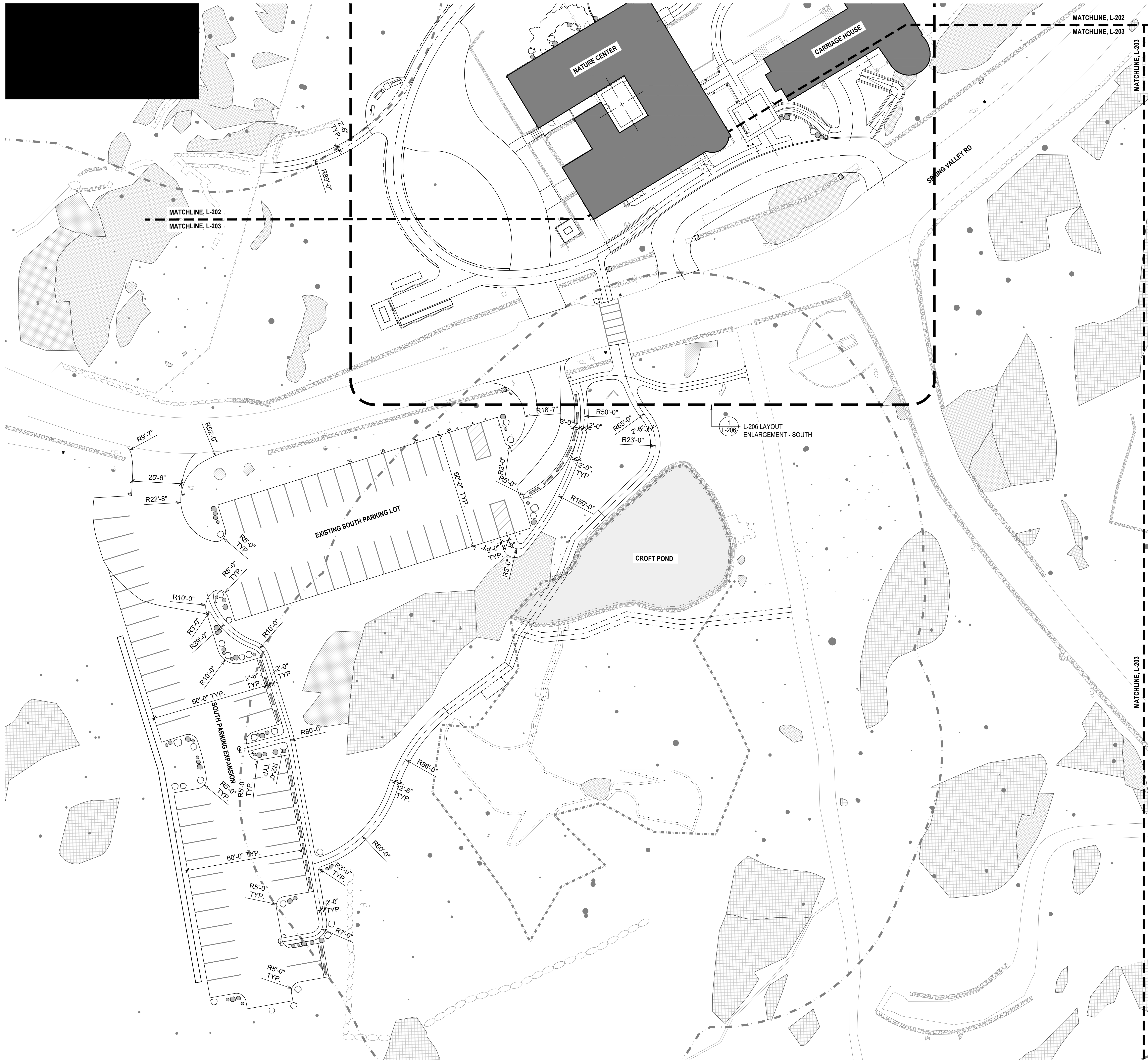
Date	Issue
10/4/24	For planning board review



Sheet Title:
**LAYOUT PLAN
 - MAIN
 CAMPUS**

Date: 2 July, 2024
 Project No: 1023
 Dwg By: YT, RS
 Check By: GWL

SP-1.02
 Pg No: XX OF XXX



LAYOUT LEGEND

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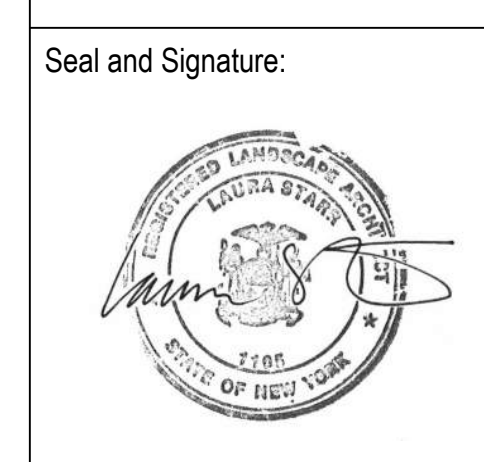
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10/4/24	For planning board review



Sheet Title:
LAYOUT PLAN
- SPRING
VALLEY ROAD

Date: 2 July, 2024
 Project No: 1023
 Dwg By: YT, RS
 Check By: GWL

SP-1.03
 Pg No: XX OF XXX



LAYOUT LEGEND

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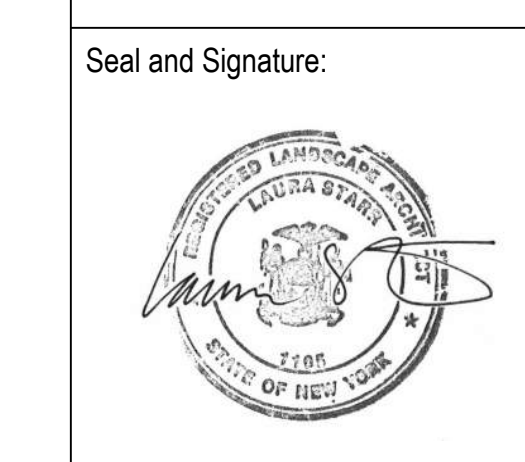
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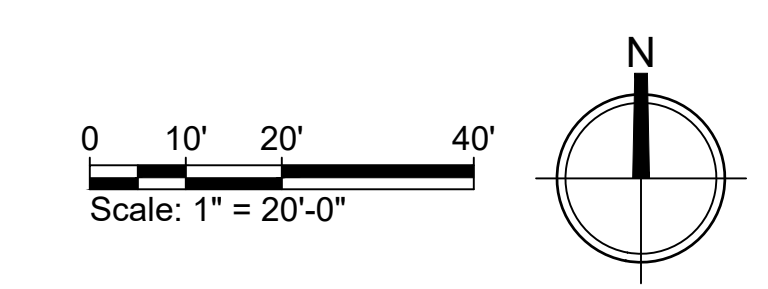
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Sheet Title:
LAYOUT PLAN
MAINTENANCE GARAGE

Date: 2 July, 2024
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 Check By: GWL

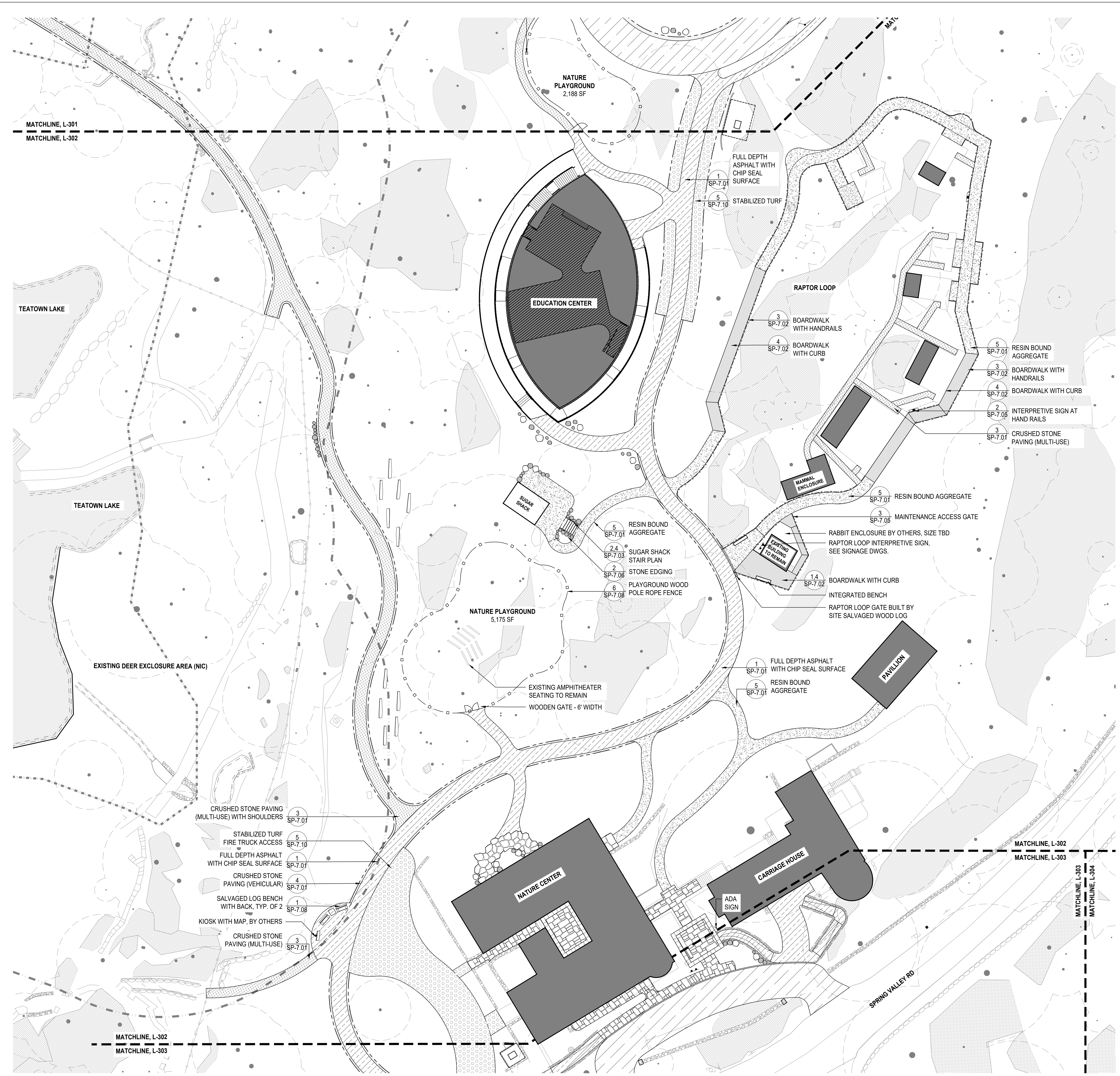
SP-1.04
 Pg No: XX OF XXX





- MATERIALS LEGEND**
- APPROXIMATE LOCATION OF SANITARY LINE
 - 100' WETLAND BUFFER
 - WETLAND BOUNDARY FLAGGED BY STEVE MARINO, TIM MILLER ASSOCIATES BY AUGUST 11, 2023
 - EXISTING STONE RETAINING WALL
 - STONE MASONRY RETAINING WALL
 - ROCK OUTCROP
 - BOX BEAM GUIDERAIL - HIGHWAY RATED AT ROAD, SEE CIVIL DWGS.
 - 1 SP-7.01 FULL DEPTH ASPHALT WITH CHIP SEAL SURFACE
 - 4 SP-7.01 CRUSHED STONE ON AGGREGATE BASE - VEHICULAR APPLICATION
 - 4 SP-7.01 LIMIT OF ROAD OR SHOULDER - CRUSHED STONE AGGREGATE BASE
 - 5 SP-7.01 RESIN BOUND AGGREGATE
 - 3 SP-7.01 CRUSHED STONE - PEDESTRIAN APPLICATION
 - 14 SP-7.02 WOODEN BOARDWALK - ON HELICAL PILES
 - 5 SP-7.10 GEOCELL REINFORCED TURF FOR EMERGENCY & MAINTENANCE ACCESS
 - 2 SP-7.01 RESURFACED TOP CORSE
 - 7 SP-7.01 CORINTHIAN GRANITE FLAGSTONE, SANDBLASTED FINISH
 - 6 SP-7.01 RECTANGULAR CORINTHIAN GRANITE SLAB, SANDBLASTED FINISH
 - 1 SP-7.08 5' - 6' SALVAGED LOG BENCH WITH BACK
 - 2 SP-7.08 +/- 6' LENGTH BY 3' HT. STONE BENCH BLOCK
 - 3 SP-7.08 6' RUSTIC BENCH WITH ARMS AND BACK
 - 5' - 6' SALVAGED LOG BENCH
 - ADA ROUTE SIGN
 - TRAIL MAP SIGN WITH ROOF
 - DIRECTIONAL SIGN ON POST
 - 2 SP-7.05 INTERPRETIVE SIGN ON RAILING
 - 4 SP-7.07 INTERPRETIVE SIGN ON POST
 - ADA PARKING SPACE SIGN
 - 2 SP-7.07 PEDESTRIAN ACTIVATED CROSSING LIGHT
 - 5 SP-7.07 SITE SALVAGED TIMBER EDGE AT PARKING LOTS OFFSET 9" FROM EDGE OF PAVEMENT
 - 4 SP-7.06 SALVAGED TIMBER CRIBBING
 - 7.6 SP-7.08 WOOD POST AND ROPE NET FENCE
 - 4 SP-7.05 CEDAR WOOD PICKET FENCE
 - ALL SP-7.04 PIPERAIL HANDRAIL - PAINTED BLACK
- BOULDERS**
- | BOULDER SCHEDULE | | | |
|------------------|------|---------|----------|
| SYMBOL | TYPE | SIZE | QUANTITY |
| ○ | A | +/- 36" | 58 |
| ◦ | C | 18"-30" | 164 |
- LANDSCAPE BOULDERS, SET 1/3 OF STONE BELOW GRADE (25% SITE SALVAGED, 75% NEW BOULDERS.)





MATERIALS LEGEND

- APPROXIMATE LOCATION OF SANITARY LINE
- 100' WETLAND BUFFER
- WETLAND BOUNDARY FLAGGED BY STEVE MARINO, TIM MILLER ASSOCIATES BY AUGUST 11, 2023
- EXISTING STONE RETAINING WALL
- STONE MASONRY RETAINING WALL
- ROCK OUTCROP
- BOX BEAM GUIDERAIL - HIGHWAY RATED AT ROAD, SEE CIVIL DWGS.
- 1 SP-7.01 --- FULL DEPTH ASPHALT WITH CHIP SEAL SURFACE
- 4 SP-7.01 --- CRUSHED STONE ON AGGREGATE BASE - VEHICULAR APPLICATION
- 4 SP-7.01 --- LIMIT OF ROAD OR SHOULDER - CRUSHED STONE AGGREGATE BASE
- 5 SP-7.01 --- RESIN BOUND AGGREGATE
- 3 SP-7.01 --- CRUSHED STONE - PEDESTRIAN APPLICATION
- 1.4 SP-7.02 --- WOODEN BOARDWALK - ON HELICAL PILES
- 5 SP-7.10 --- GEOCELL REINFORCED TURF FOR EMERGENCY & MAINTENANCE ACCESS
- 2 SP-7.01 --- RESURFACED TOP CORSE
- 7 SP-7.01 --- CORINTHIAN GRANITE FLAGSTONE, SANDBLASTED FINISH
- 6 SP-7.01 --- RECTANGULAR CORINTHIAN GRANITE SLAB, SANDBLASTED FINISH
- 1 SP-7.08 --- 5' - 6' SALVAGED LOG BENCH WITH BACK
- 2 SP-7.08 --- +/- 6' LENGTH BY 3' HT. STONE BENCH BLOCK
- 3 SP-7.08 --- 6' RUSTIC BENCH WITH ARMS AND BACK
- 5' - 6' SALVAGED LOG BENCH
- ADA ROUTE SIGN
- TRAIL MAP SIGN WITH ROOF
- DIRECTIONAL SIGN ON POST
- 2 SP-7.05 --- INTERPRETIVE SIGN ON RAILING
- 4 SP-7.07 --- INTERPRETIVE SIGN ON POST
- ADA PARKING SPACE SIGN
- 2 SP-7.07 --- PEDESTRIAN ACTIVATED CROSSING LIGHT
- 5 SP-7.07 --- SITE SALVAGED TIMBER EDGE AT PARKING LOTS OFFSET 9' FROM EDGE OF PAVEMENT
- 4 SP-7.06 --- SALVAGED TIMBER CRIBBING
- 7.6 SP-7.08 --- WOOD POST AND ROPE NET FENCE
- 4 SP-7.05 --- CEDAR WOOD PICKET FENCE
- ALL SP-7.04 --- PIPERAIL HANDRAIL - PAINTED BLACK

BOULDERS

BOULDER SCHEDULE			
SYMBOL	TYPE	SIZE	QUANTITY
○	A	+/- 36"	58
◦	C	18"-30"	164

LANDSCAPE BOULDERS, SET 1/3 OF STONE BELOW GRADE (25% SITE SALVAGED, 75% NEW BOULDERS.)

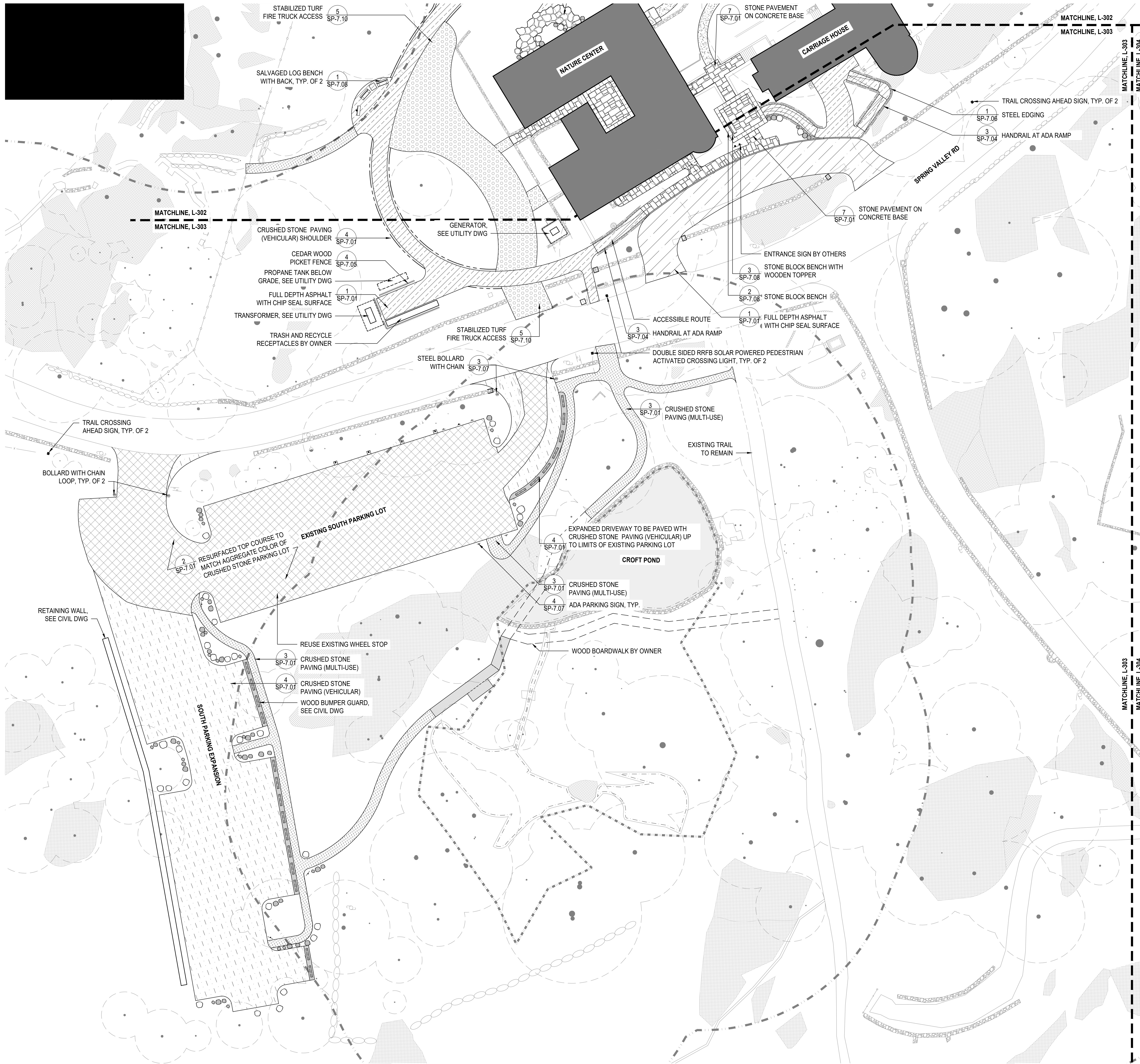
MATCHLINE, L-301
 MATCHLINE, L-302

TEATOWN LAKE

TEATOWN LAKE

EXISTING DEER EXCLOSURE AREA (NIC)

MATCHLINE, L-302
 MATCHLINE, L-303



- MATERIALS LEGEND**
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Project:
Teatown Lake Reservation
 1600 SPRING VALLEY RD.
 OSSINING, NY, 10562

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 Brooklyn, NY 11201
 T: 718.260.0845

Owner:
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Acoustic Consulting
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 T: 212.725.6800

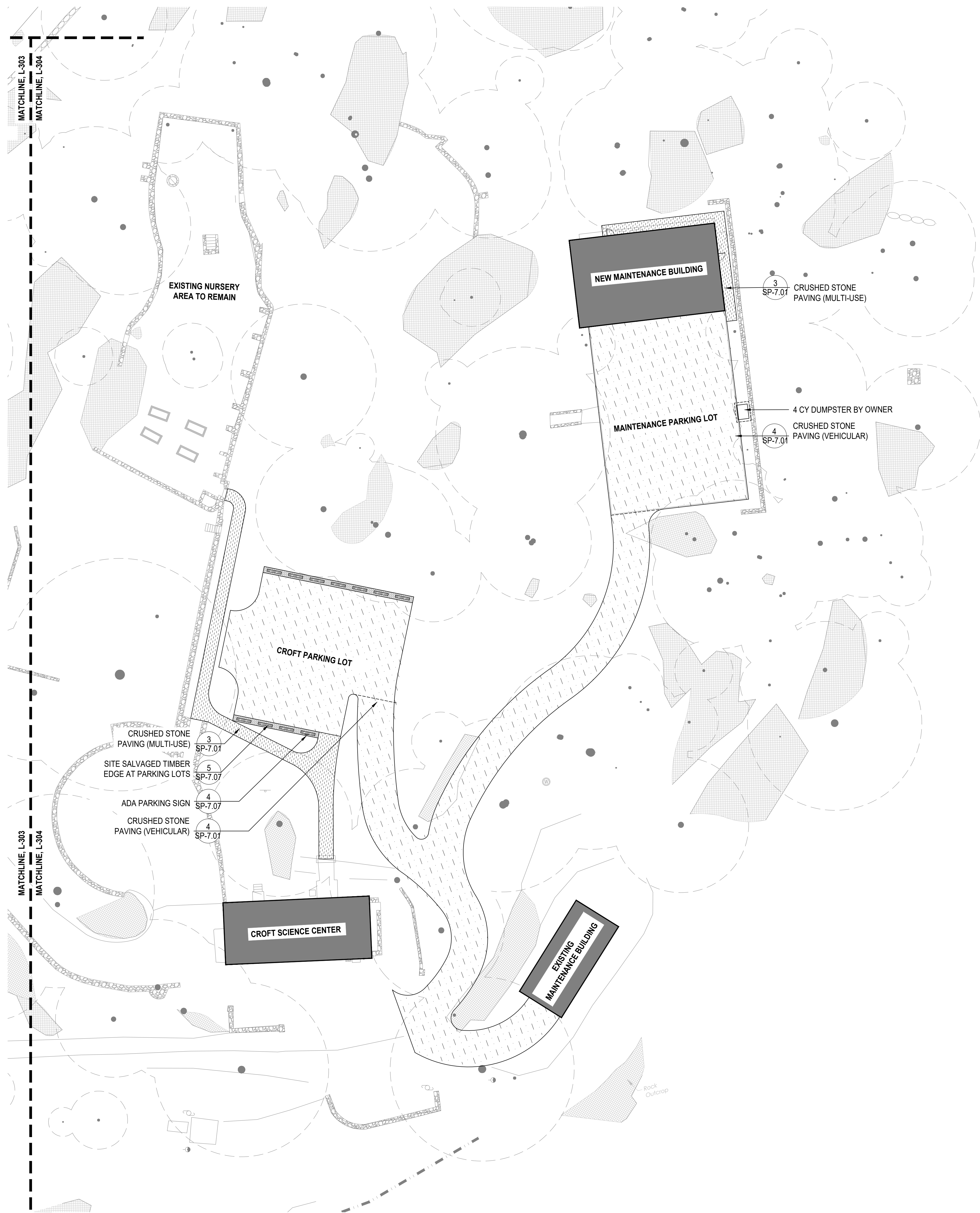
Date: 10/4/24
 Issue: For planning board review

Seal and Signature:

Sheet Title:
**MATERIALS PLAN
 - SPRING VALLEY
 ROAD**

Date: 2 July, 2024
 Project No: 1023
 Dwg By: YT, RS
 Check By: GWL

SP-2.03
 Pg No: XX OF XXX



MATERIALS LEGEND

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- PIPERAIL HANDRAIL - PAINTED BLACK

BOULDERS

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◦	C	18"-30"	164

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Project:
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 1600 SPRING VALLEY RD,
 OSSINING, NY, 10562

Architect:
nARCHITECTS, PLLC
 68 Jay #317
 Brooklyn, NY 11201
 T: 718.260.0845

Owner:
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 T: 212.725.6800

Date Issue
 10/4/24 For planning board review

Seal and Signature:

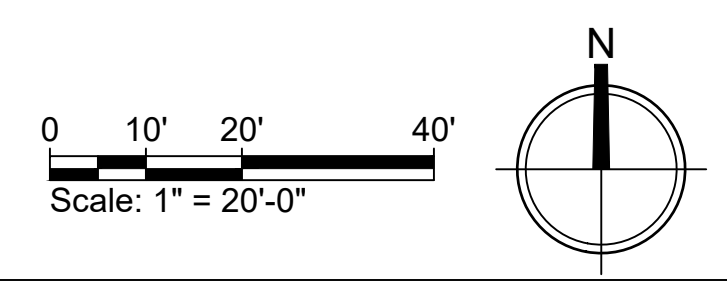


Sheet Title:
**MATERIALS PLAN
 - MAINTENANCE
 GARAGE**

Date: 2 July, 2024
 Project No: 1023
 Dwg By: YT, RS
 Check By: GWL

SP-2.04

Pg No: XX OF XXX



Project:
Teatown Lake Reservation
 1600 SPRING VALLEY RD.
 OSSINGEN, NY, 10562

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Date Issue
 10/4/24 For planning board review

Seal and Signature:



Sheet Title:
**GRADING & DRAINAGE
 PLAN - BLINN ROAD
 ACCESS**

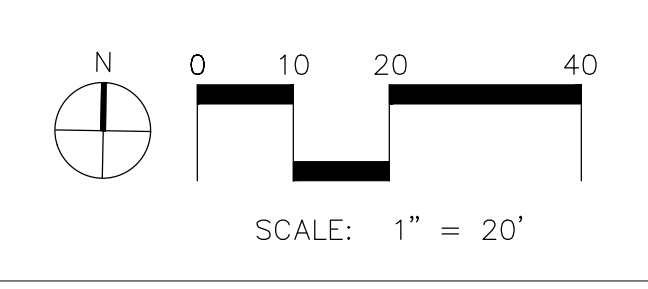
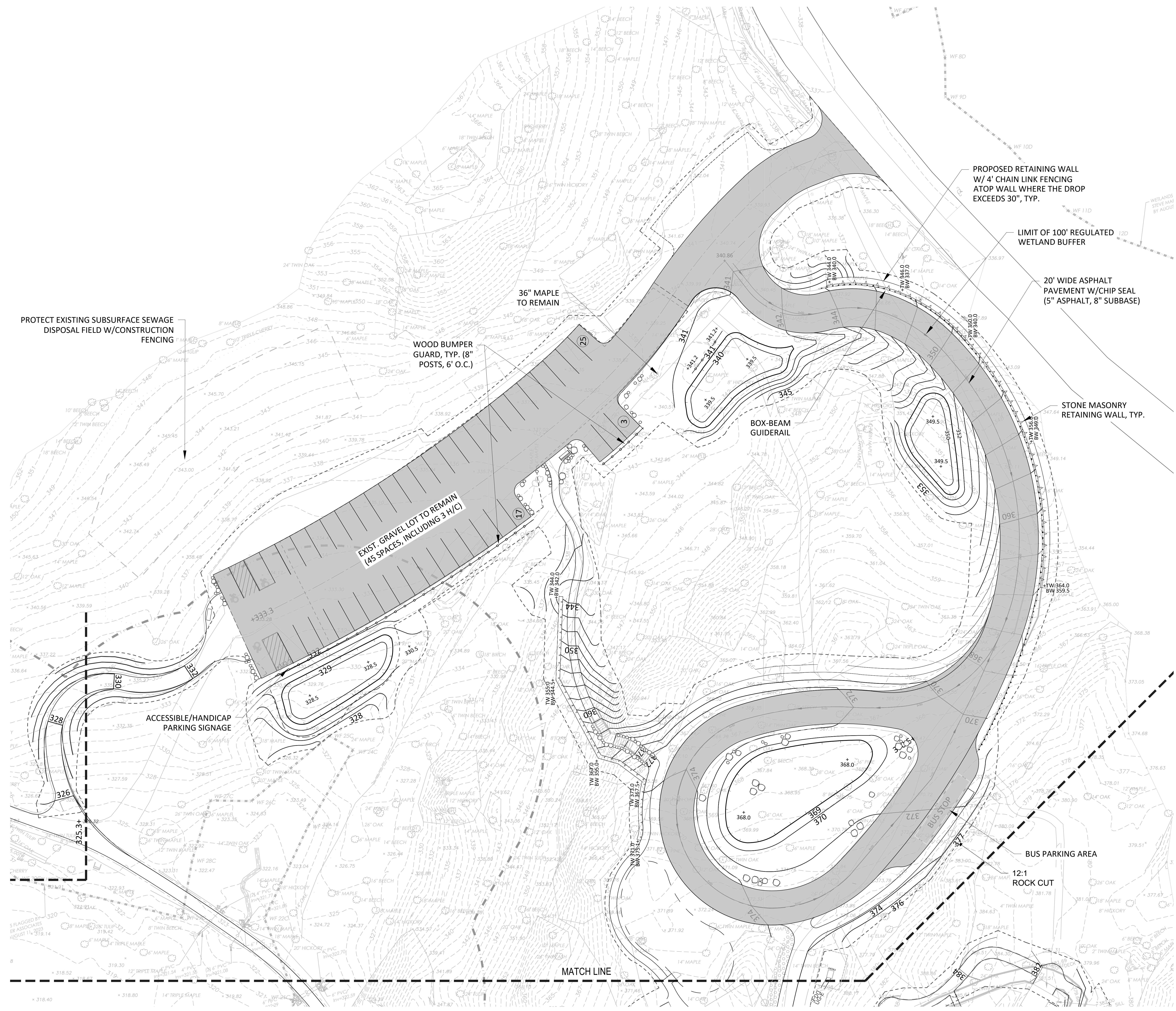
Date: 2 July, 2024
 Project No: 1023
 Dwg By: RCCHV
 Check By: MSG

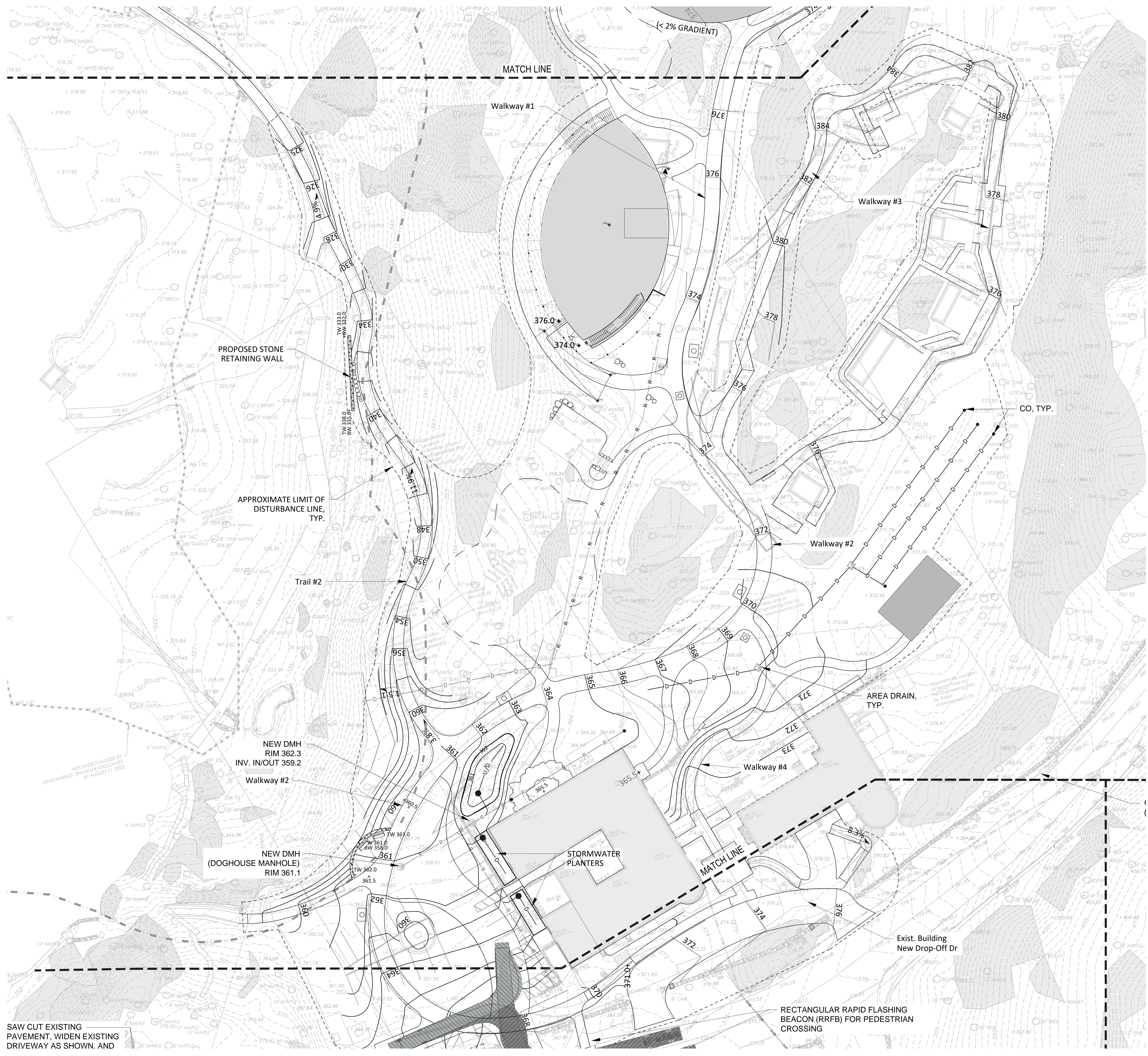
SP-3.01

Pg No:

Blinn Road Access Drive / Volume Summary							
Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Surface-C&F Volumes (1)	full	1.00	1.00	25699.52	2.96	3573.89	3570.94-Fill>
Totals							
				2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Total				25699.52	2.96	3573.89	3570.94-Fill>

* Value adjusted by cut or fill factor other than 1.0





Trail and Walkway / Volume Summary

Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Surface - C&F Vol- Trails & Walks	full	1.00	1.00	34507.32	694.03	1991.62	1297.59<Fill>

Totals							
				2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Total				34507.32	694.03	1991.62	1297.59<Fill>

Project:
Teatown Lake Reservation
 1600 SPRING VALLEY RD.
 OSSINGEN, NY, 10562

Architect:
nARCHITECTS, PLLC
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Owner:
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Consultants:
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Date Issue
 10/4/24 For planning board review

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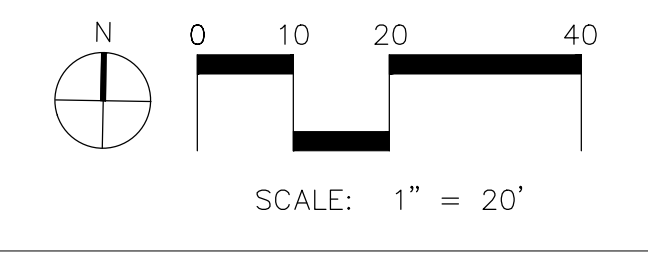
 EXPIRES 01/31/27

Sheet Title:
**GRADING & DRAINAGE
 PLAN - MAIN CAMPUS**

Date: 2 July, 2024
 Project No: 1023
 Dwg By: RCC/HV
 Check By: MSG

SP-3.02

Pg No:



SAW CUT EXISTING
 PAVEMENT, WIDEN EXISTING
 DRIVEWAY AS SHOWN. AND

RECTANGULAR RAPID FLASHING
 BEACON (RRFB) FOR PEDESTRIAN
 CROSSING

Exist. Building
 New Drop-Off Dr

NEW DMH
 (DOGHOUSE MANHOLE)
 RIM 361.1

NEW DMH
 RIM 362.3
 INV. IN/OUT 359.2

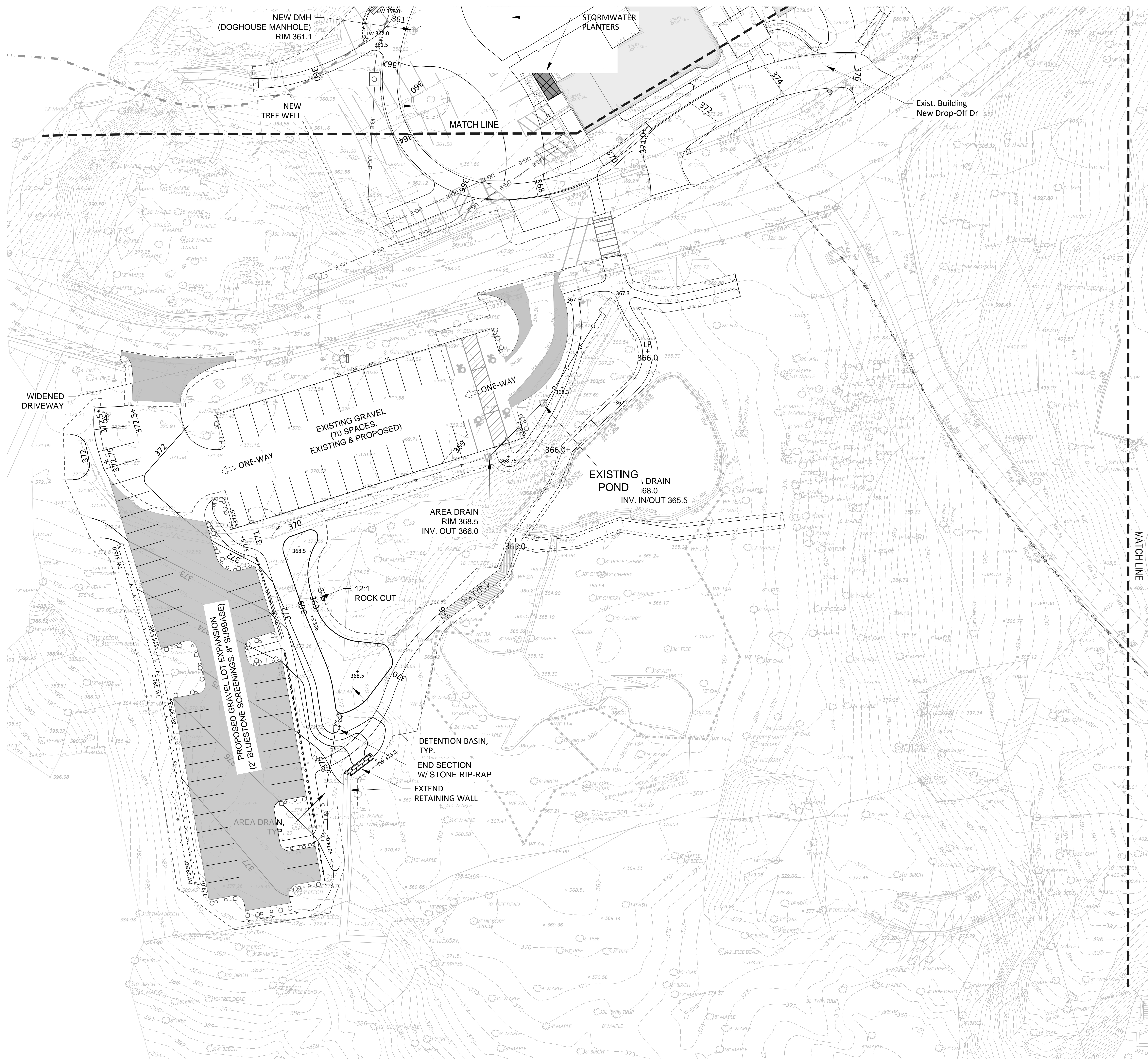
PROPOSED STONE
 RETAINING WALL

APPROXIMATE LIMIT OF
 DISTURBANCE LINE,
 TYP.

< 2% GRADIENT

MATCH LINE

MATCH LINE



Spring Valley Road Gravel Lot Expansion / Volume Summary							
Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Surface-C&F Vol-Grvl Prk	full	1.00	1.00	19545.59	447.28	458.47	11.19-FILL
Totals				2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Total				19545.59	447.28	458.47	11.19-FILL

* Value adjusted by cut or fill factor other than 1.0

Project:
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1600 SPRING VALLEY RD.
OSSINGEN, NY, 10562

Architect:
nARCHITECTS, PLLC
68 Jay #317
Brooklyn, NY 11201
T: 718.260.0845

Owner:
TEATOWN LAKE RESERVATION
1600 SPRING VALLEY RD.
OSSINGEN, NY 10562

Consultants:
Landscape Architects
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80 BROAD ST, SUITE 1700
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T: 212.487.3272

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Structural Engineer:
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Date **Issue**
10/4/24 For planning board review

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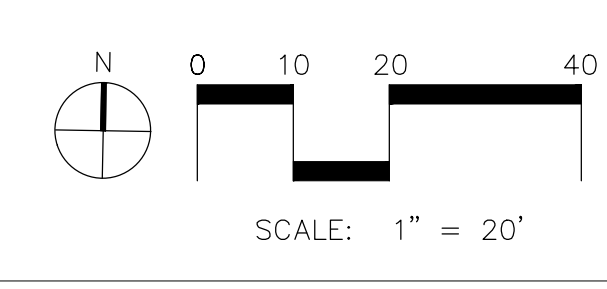
EXPIRES 01/31/27

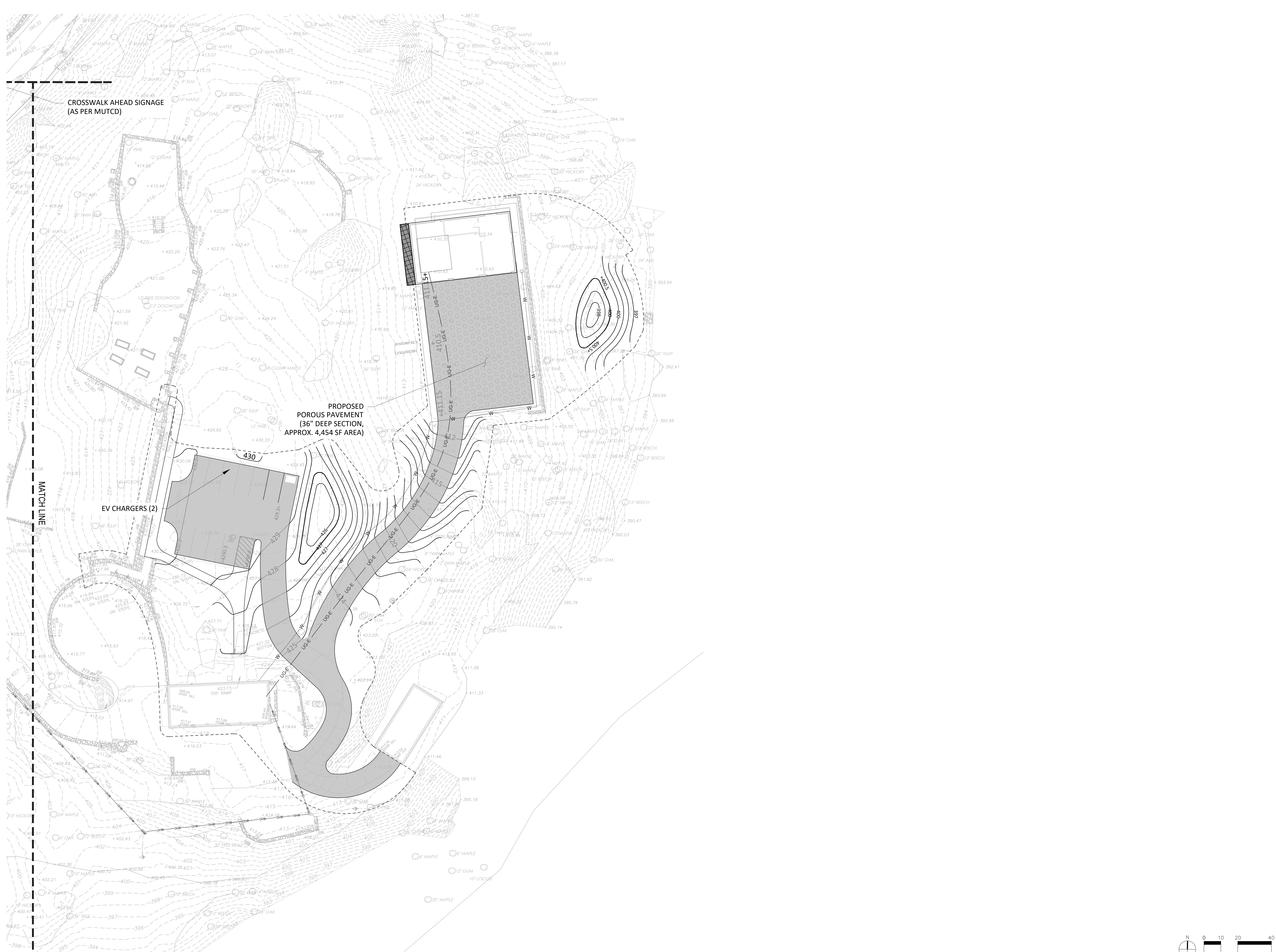
Sheet Title:
GRADING & DRAINAGE
PLAN - SPRING
VALLEY ROAD

Date: 2 July, 2024
Project No: 1023
Dwg By: RCC/HV
Check By: MSG

SP-3.03

Pg No:





Project:
Teatown Lake Reservation
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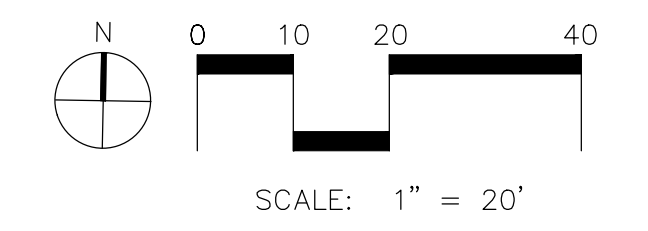
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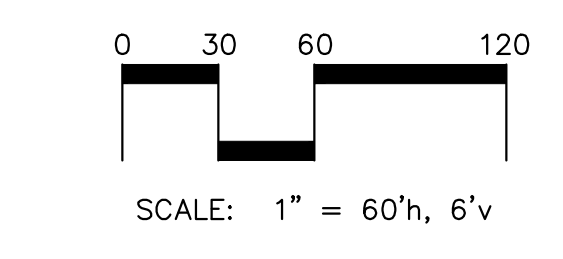
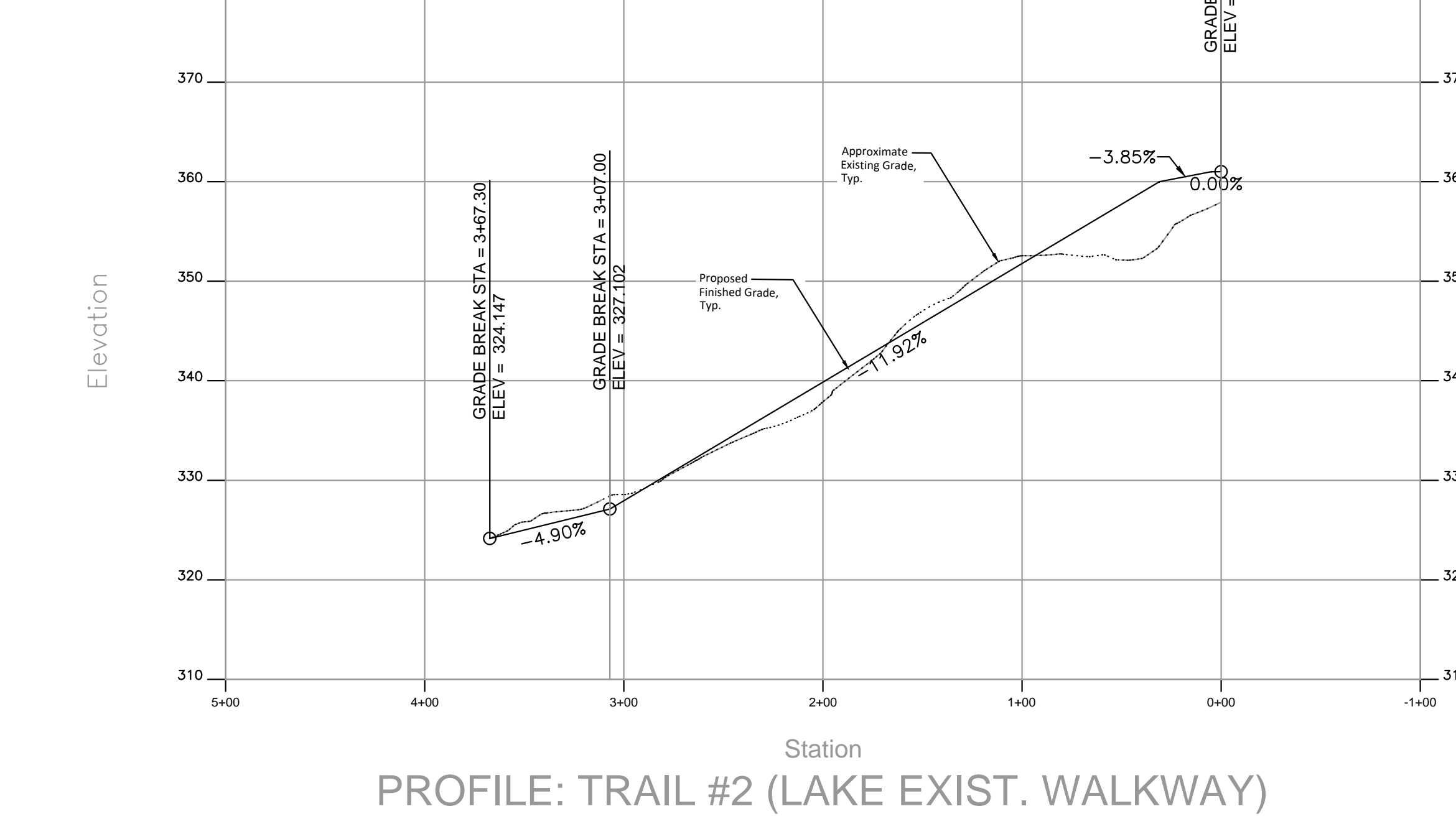
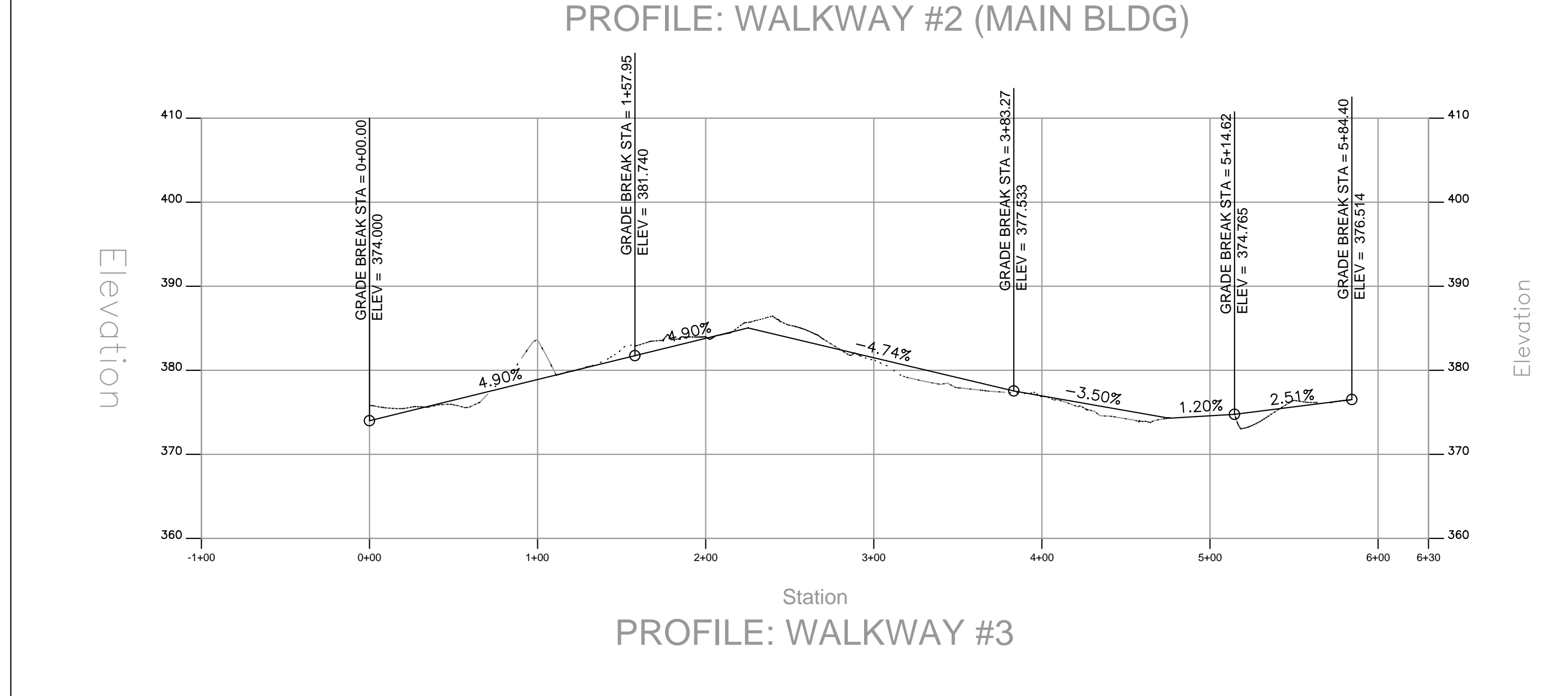
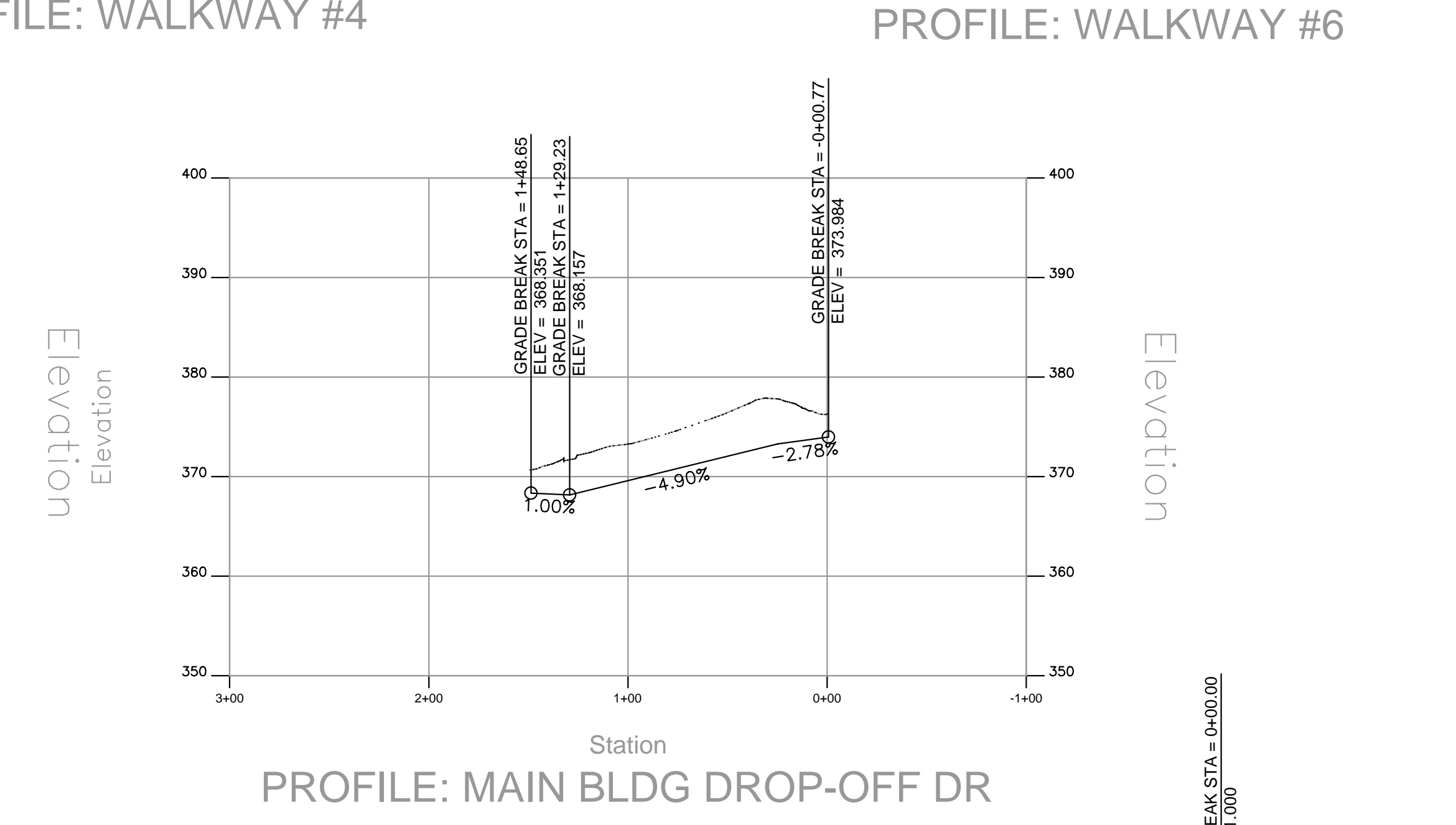
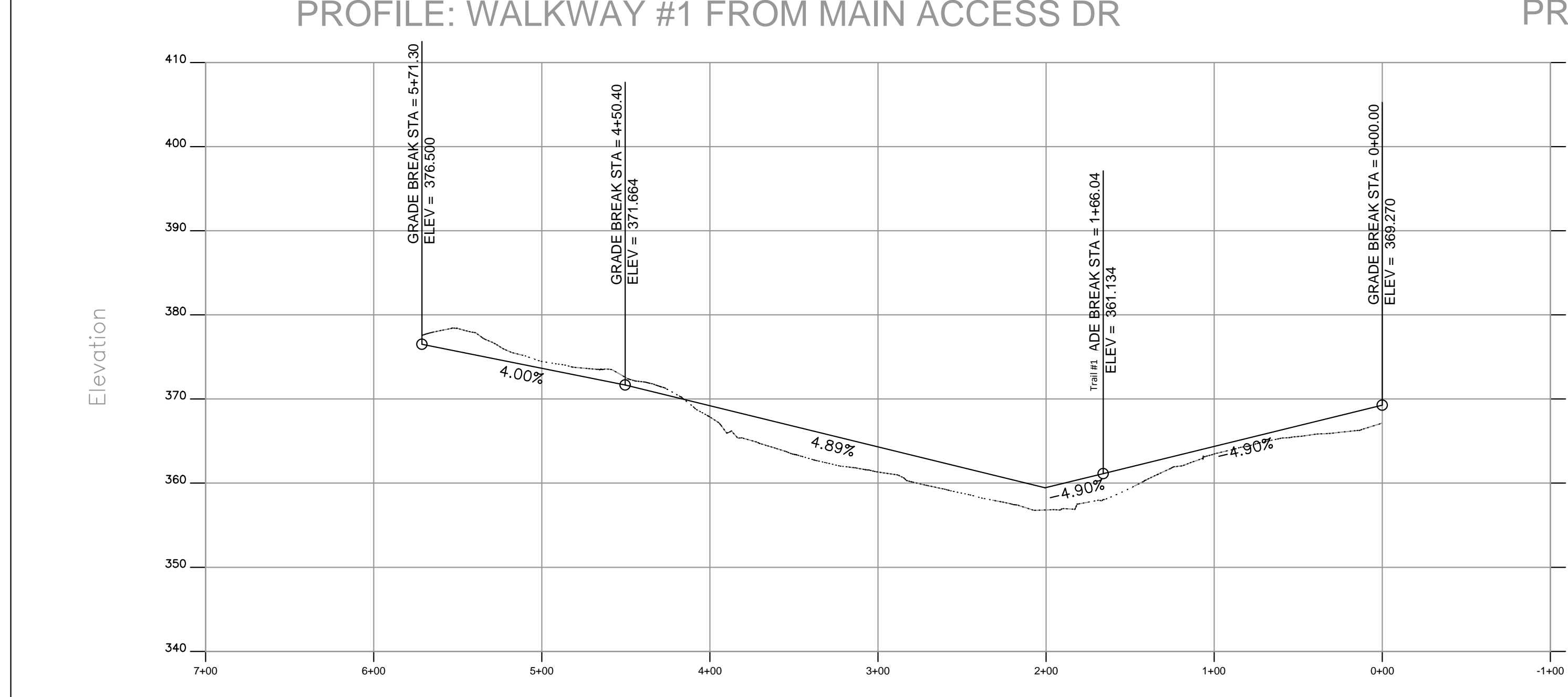
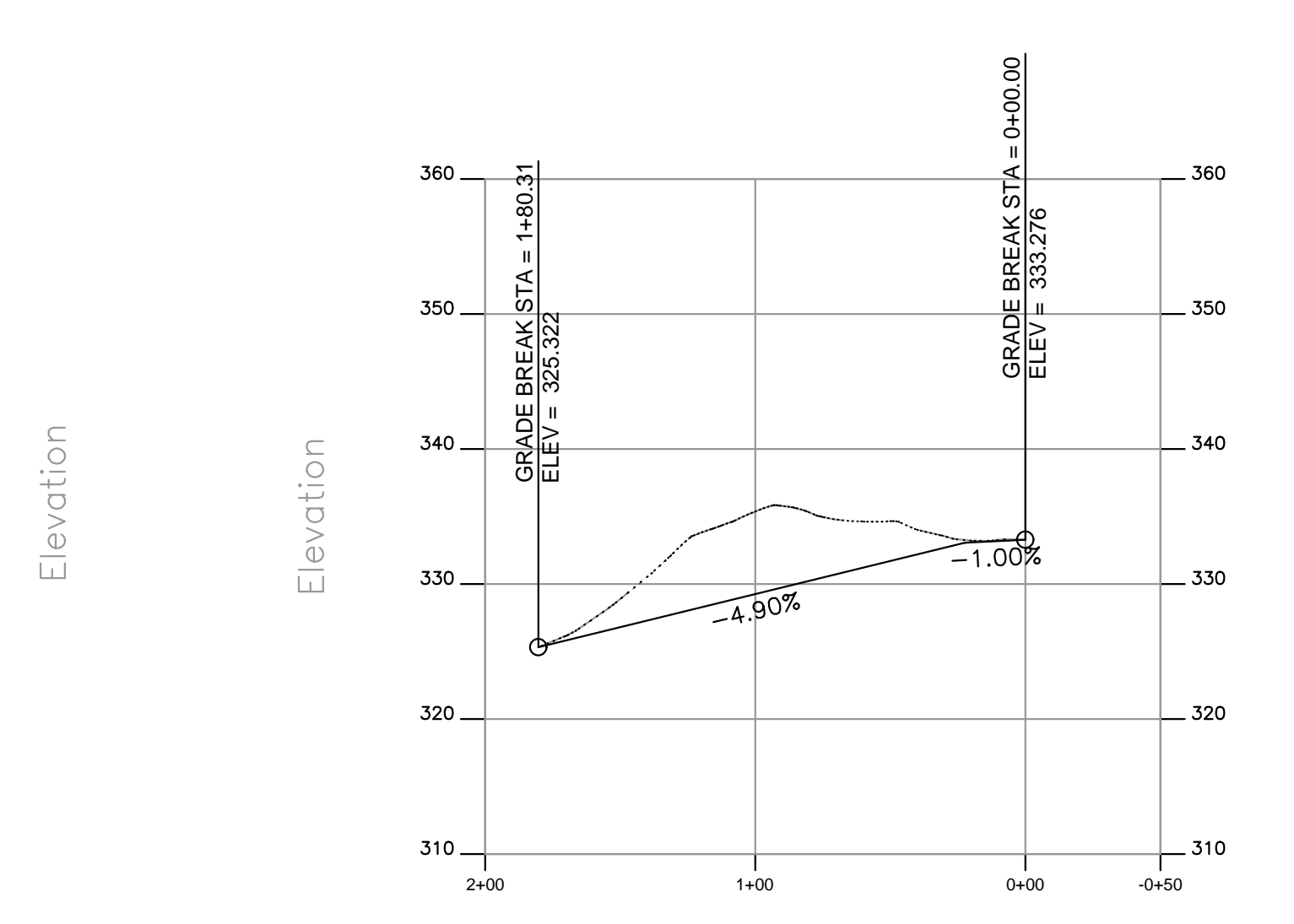
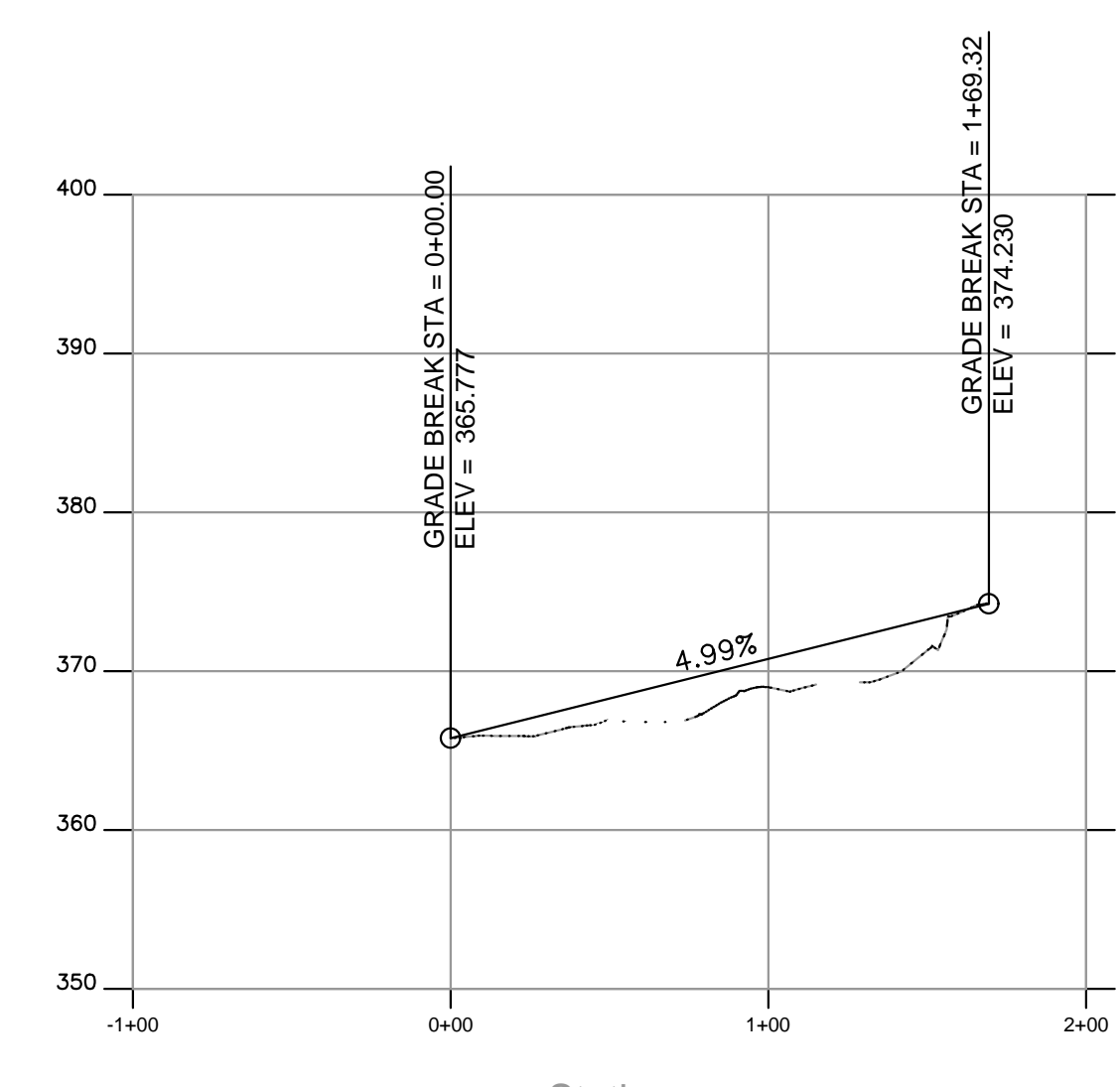
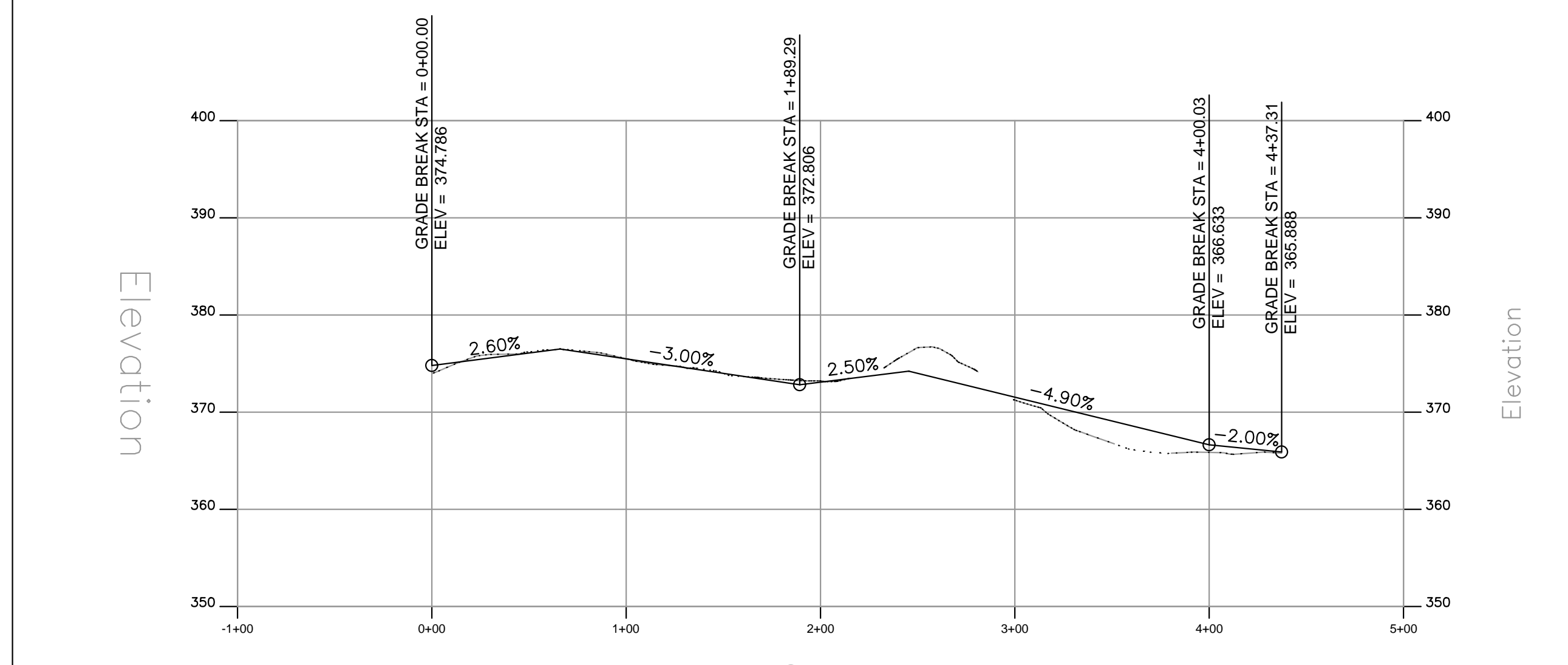
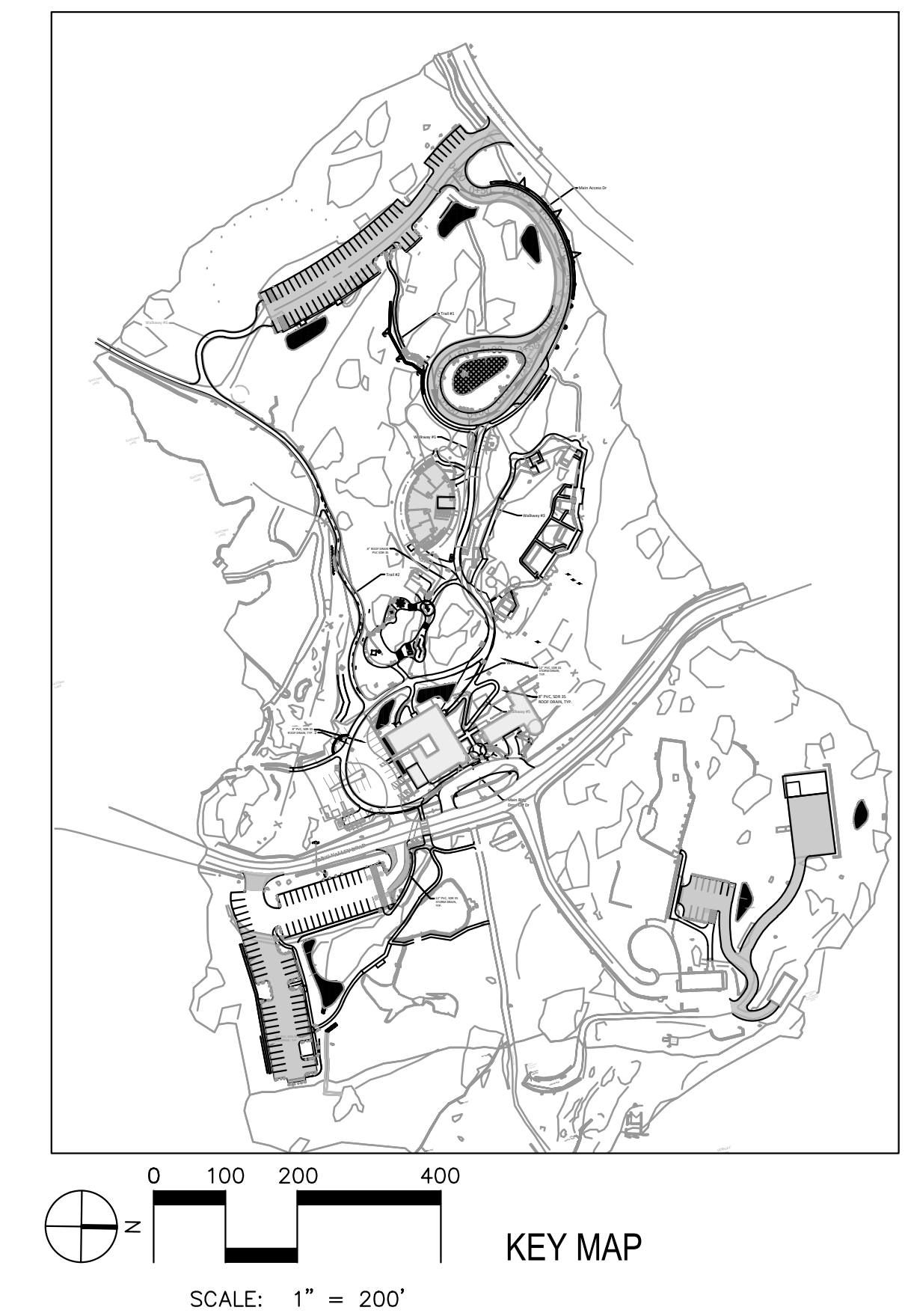
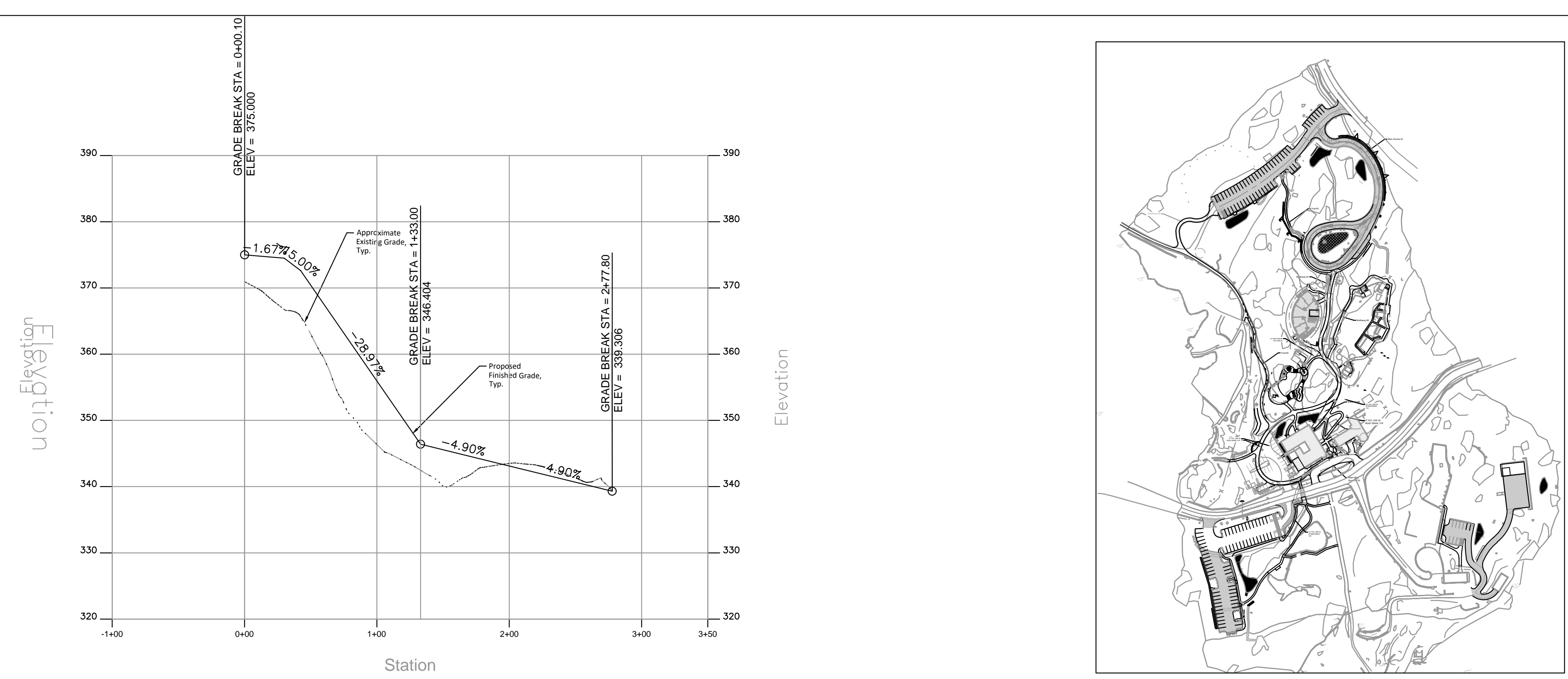
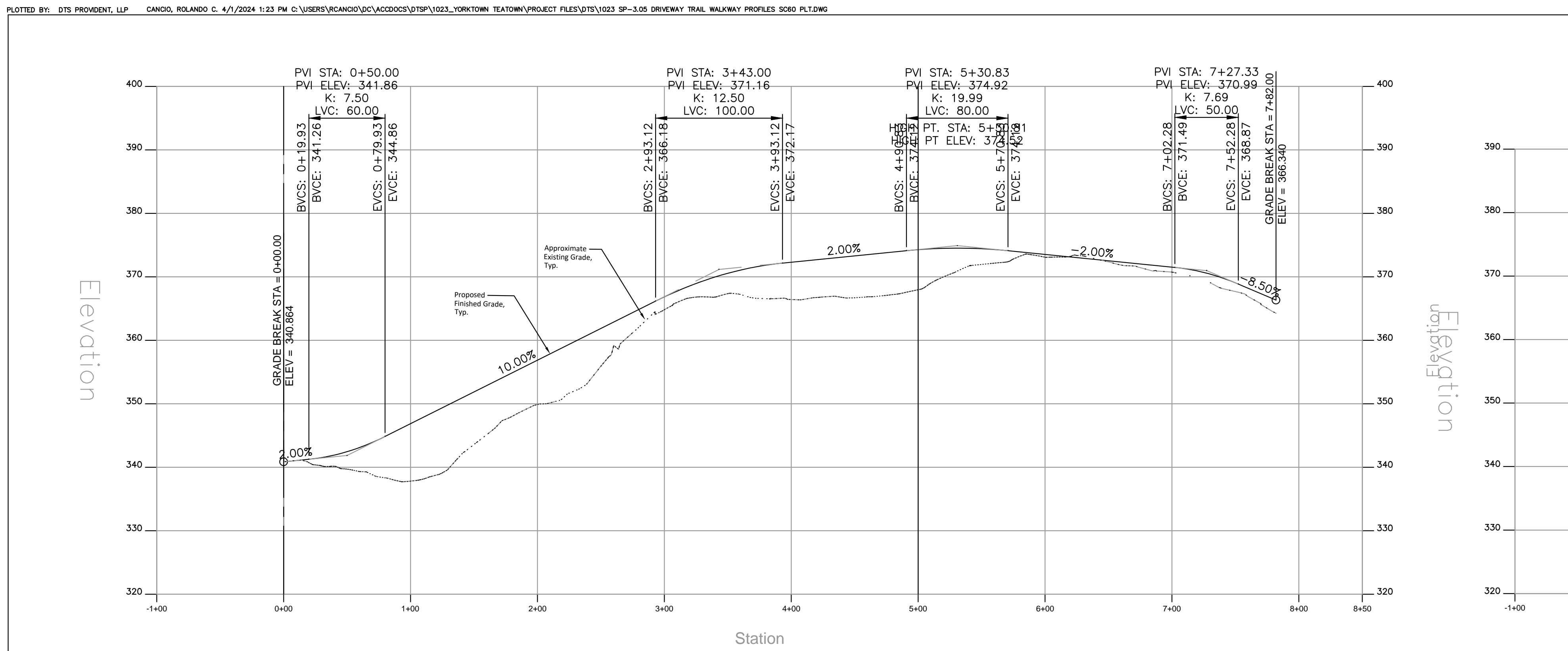
Sheet Title:
**GRADING & DRAINAGE
 PLAN - MAINTENANCE
 GARAGE**

Date: 2 July, 2024
 Project No: 1023
 Dwg By: RCC/HV
 Check By: MSG

SP-3.04

Pg No:





Project:
Teatown Lake Reservation
1600 SPRING VALLEY RD,
OSSINING, NY, 10562

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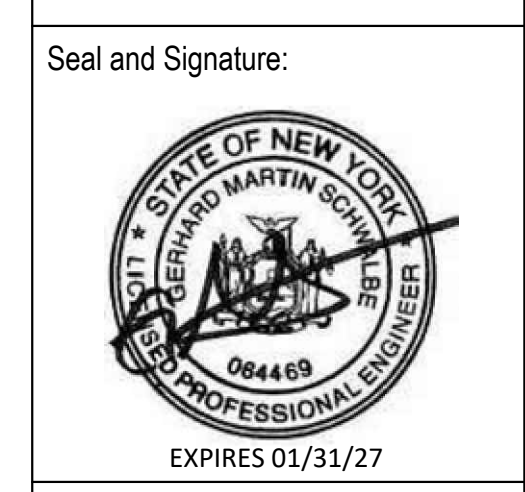
Lighting Designer:
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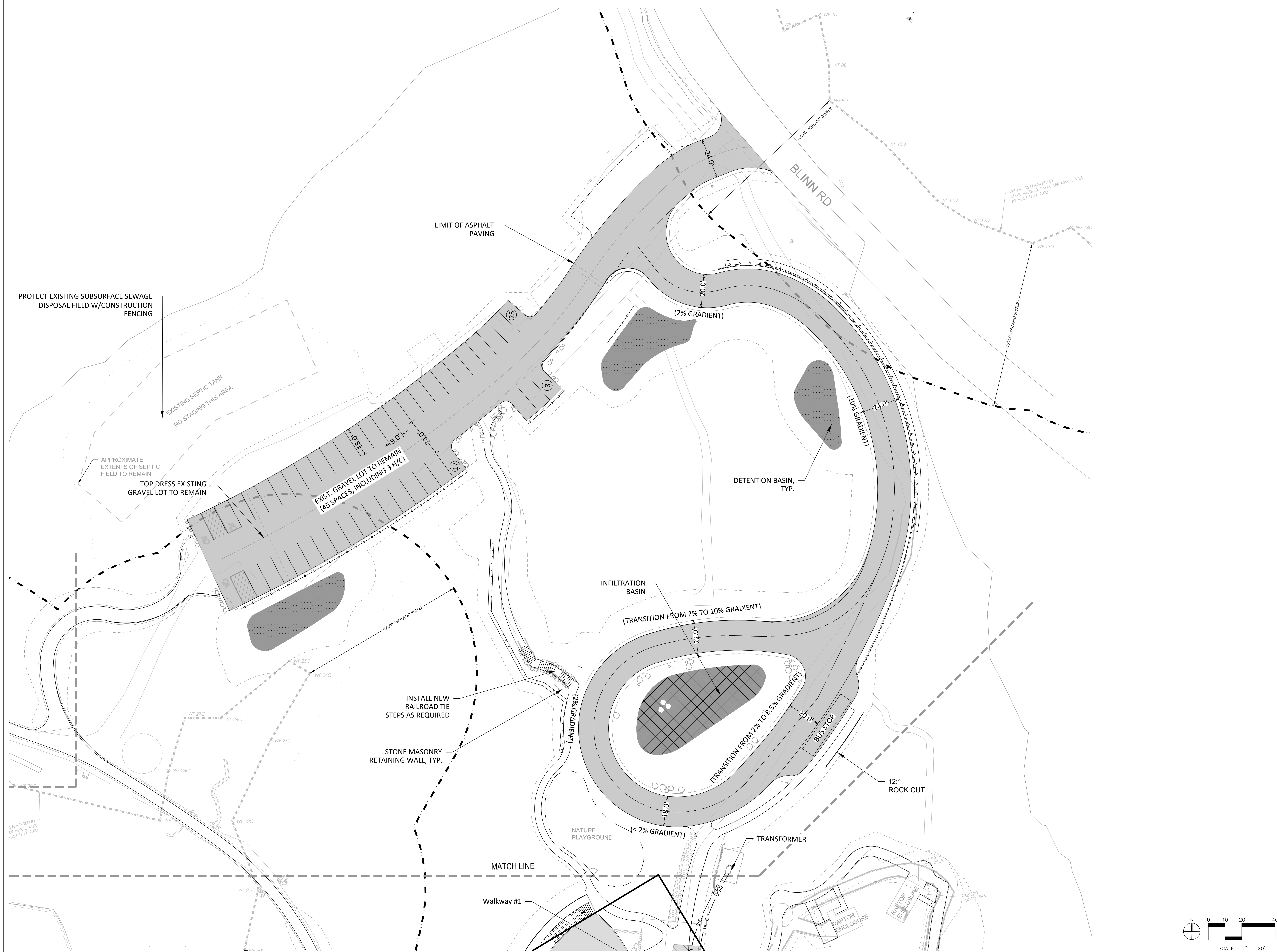
Date: 10/04/24
Issue: For planning board review



Sheet Title:
DRIVEWAY/TRAIL/
WALKWAY PROFILES

Date: 2 July, 2024
Project No: 1023
Dwg By: RCC/HV
Chk By: MSG

Pg No: SP-3.05



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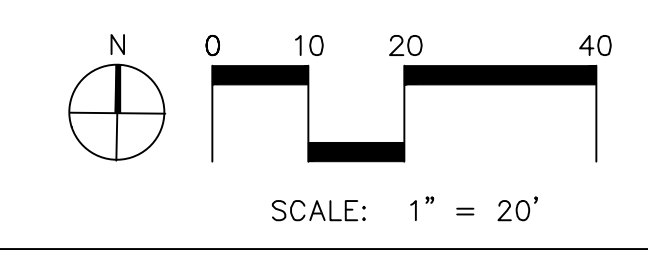
Date	Issue
10/4/24	For planning board review

Seal and Signature:


Sheet Title:
**UTILITY PLAN -
 BLINN ROAD ACCESS**

Date: 2 July, 2024
 Project No: 1023
 Dwg By: RCC/HV
 Chk By: MSG

SP-4.01
 Pg No:





Project:
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Date	Issue
10/4/24	For planning board review

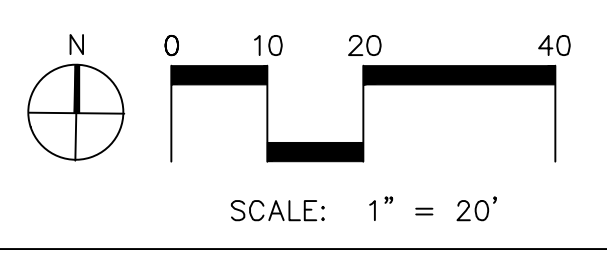
Seal and Signature:

 EXPIRES 01/31/27

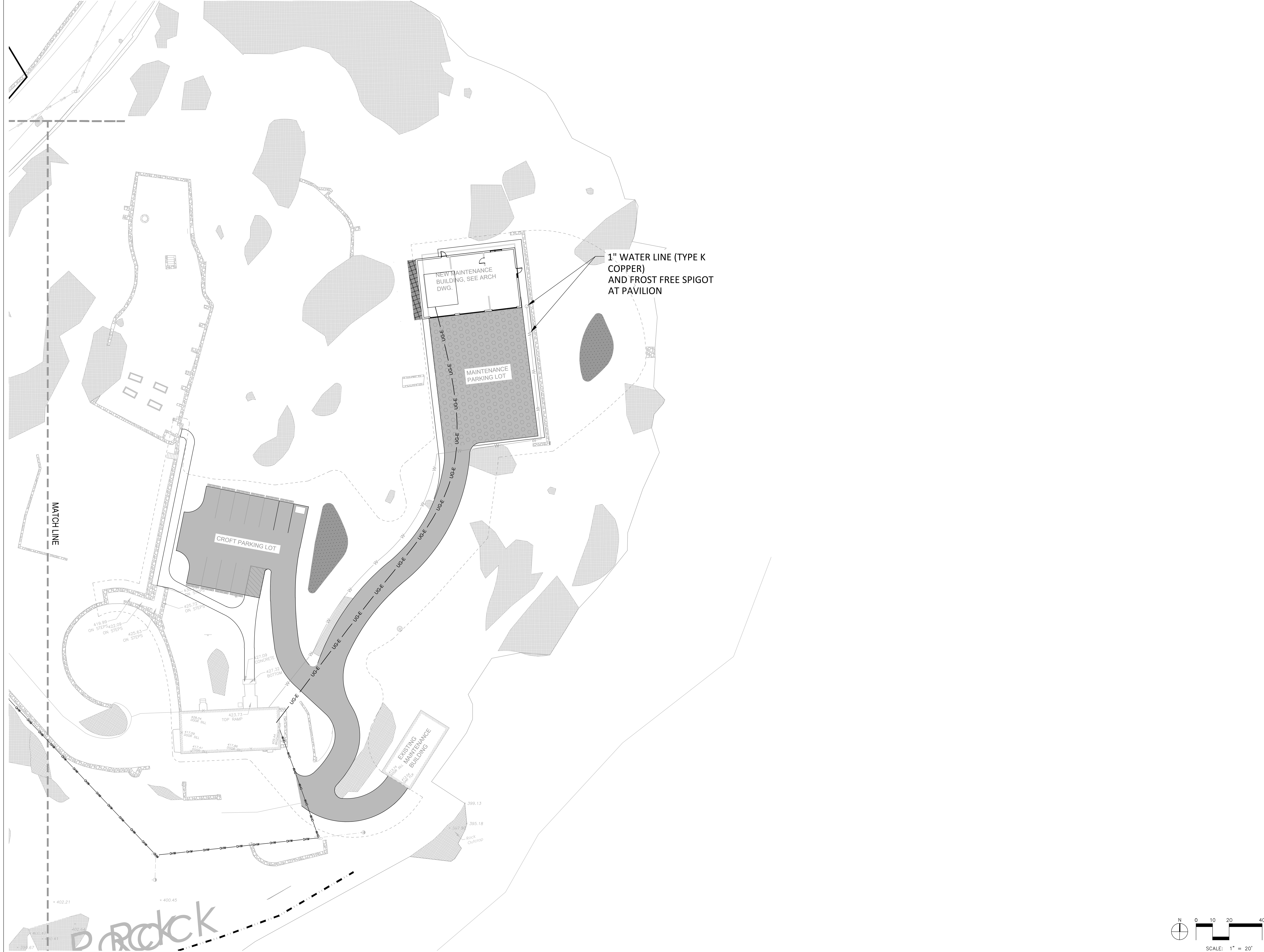
Sheet Title:
UTILITY PLAN -
MAIN CAMPUS

Date: 2 July, 2024
Project No: 1023
Dwg By: RCC/HV
Chk By: MSG

SP-4.02

Pg No:





1" WATER LINE (TYPE K COPPER) AND FROST FREE SPIGOT AT PAVILION

Project:
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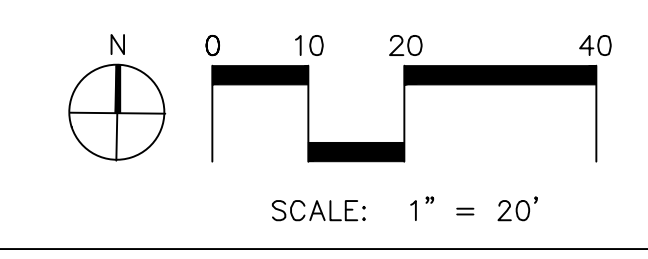
Date	Issue
10/4/24	For planning board review

Seal and Signature:

 EXPIRES 01/31/27

Sheet Title:
UTILITY PLAN - MAINTENANCE GARAGE

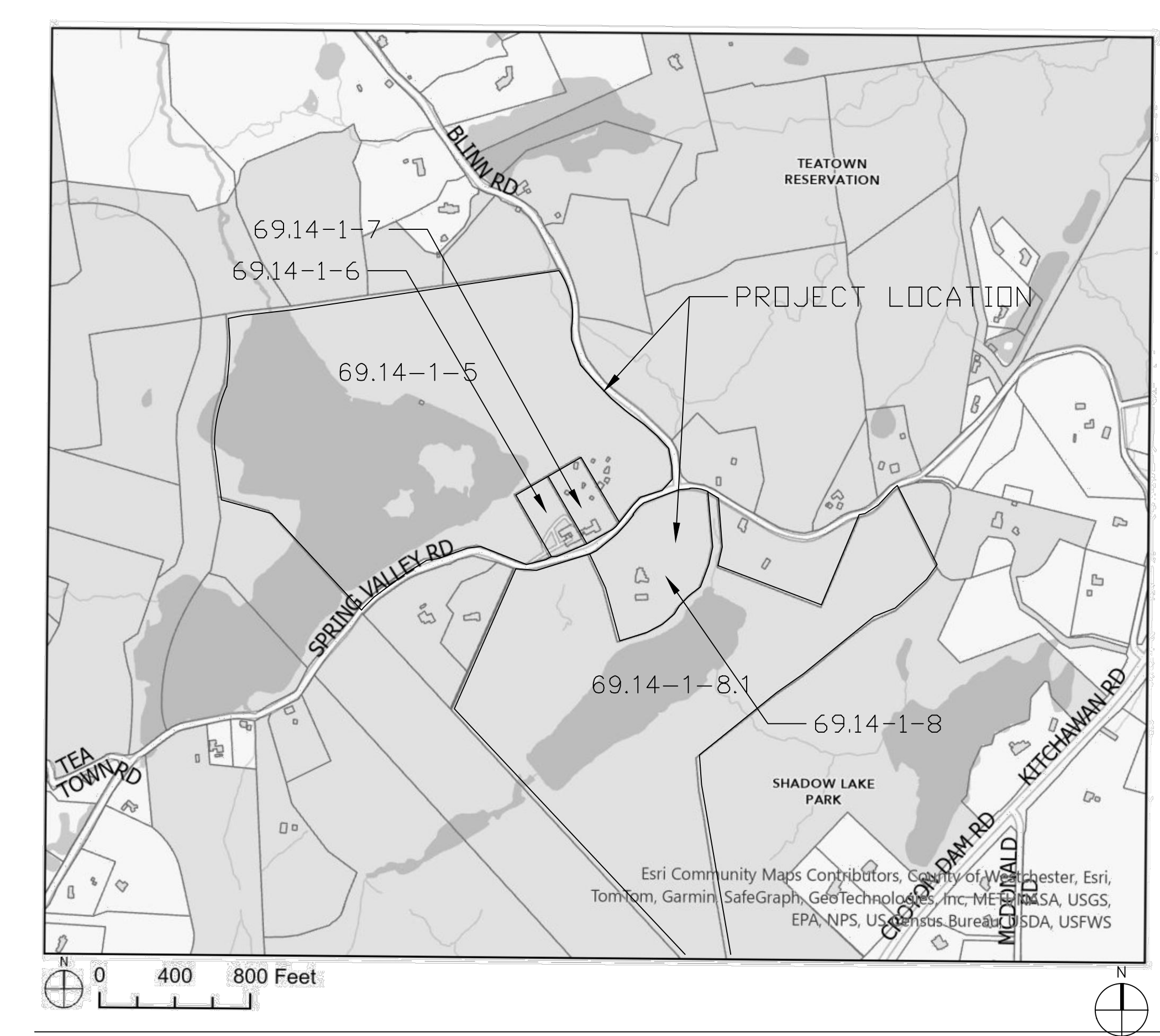
Date: 2 July, 2024
 Project No: 1023
 Dwg By: RCC/HV
 Chk By: MSG

SP-4.04
 Pg No:





LOCATION MAP
N.T.S.



Project:
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Date: 10/04/24
Issue: For planning board review

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Seal and Signature:

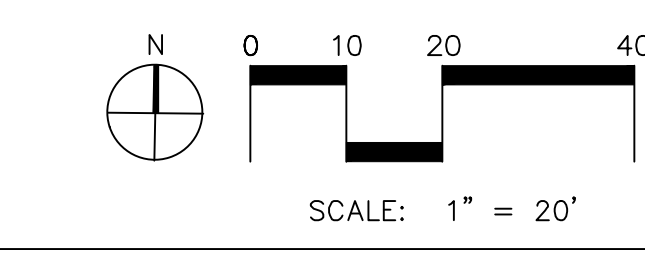


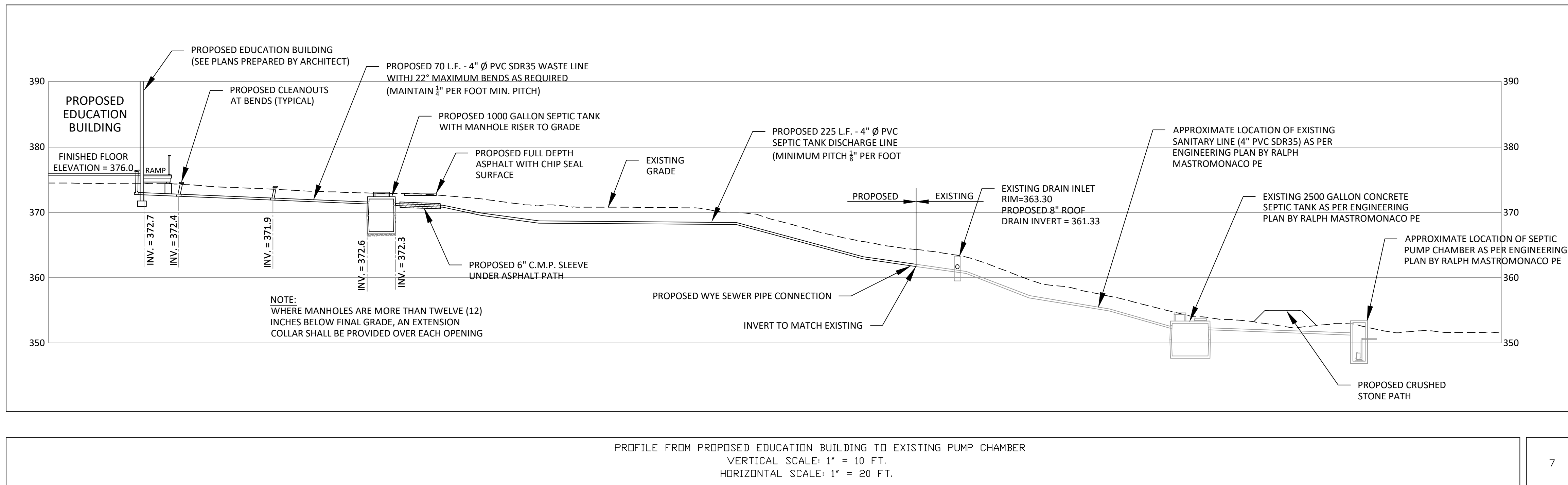
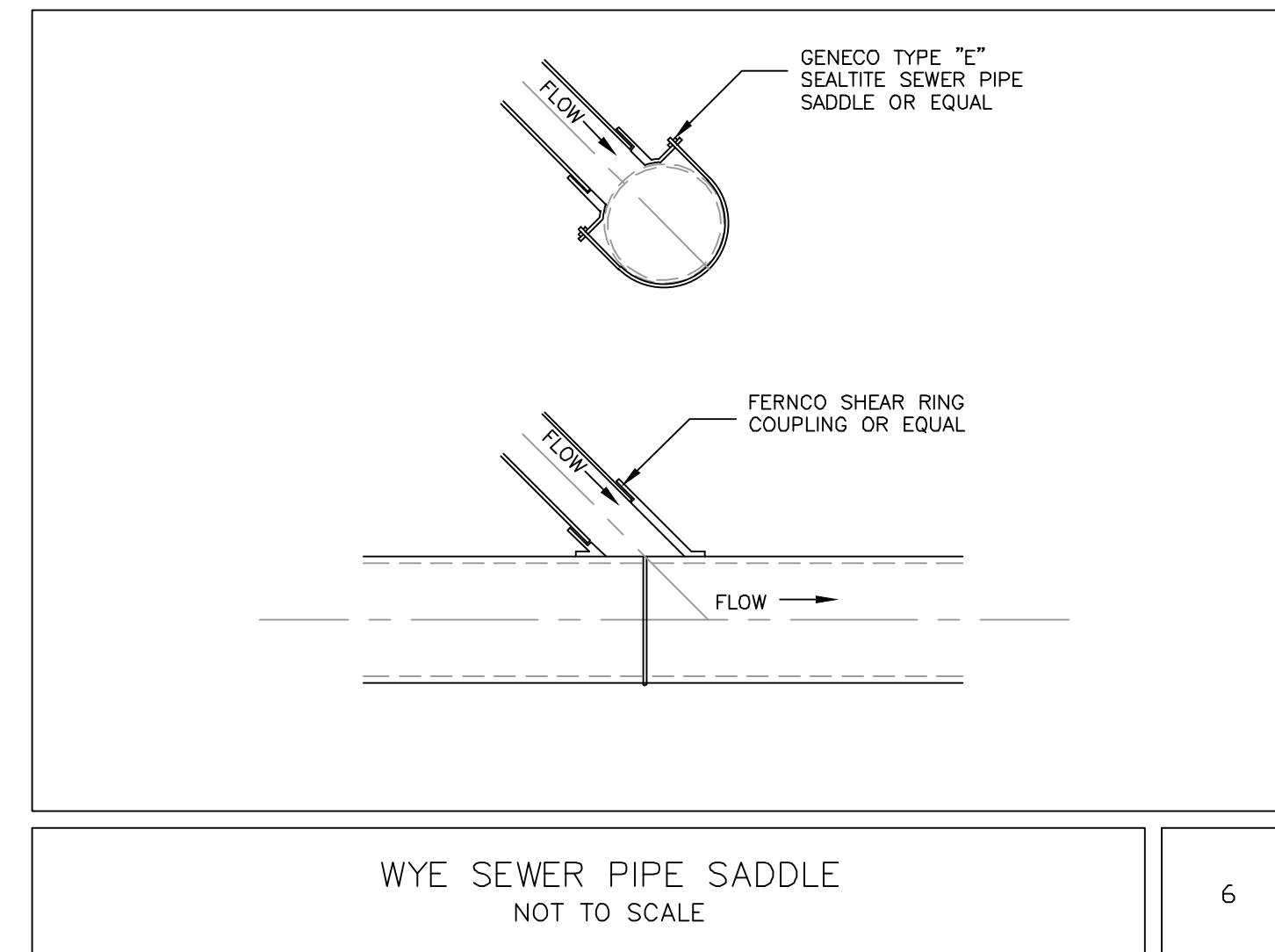
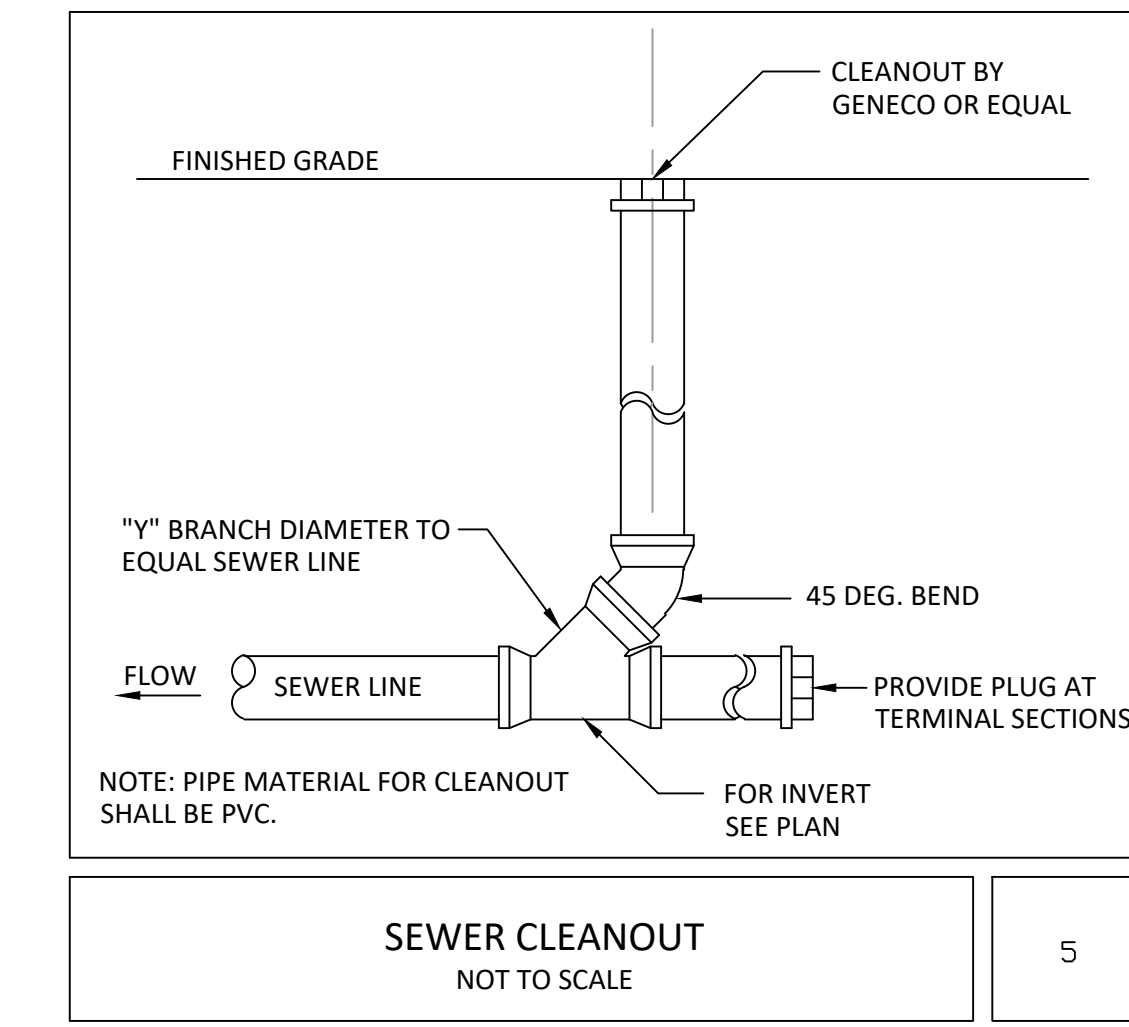
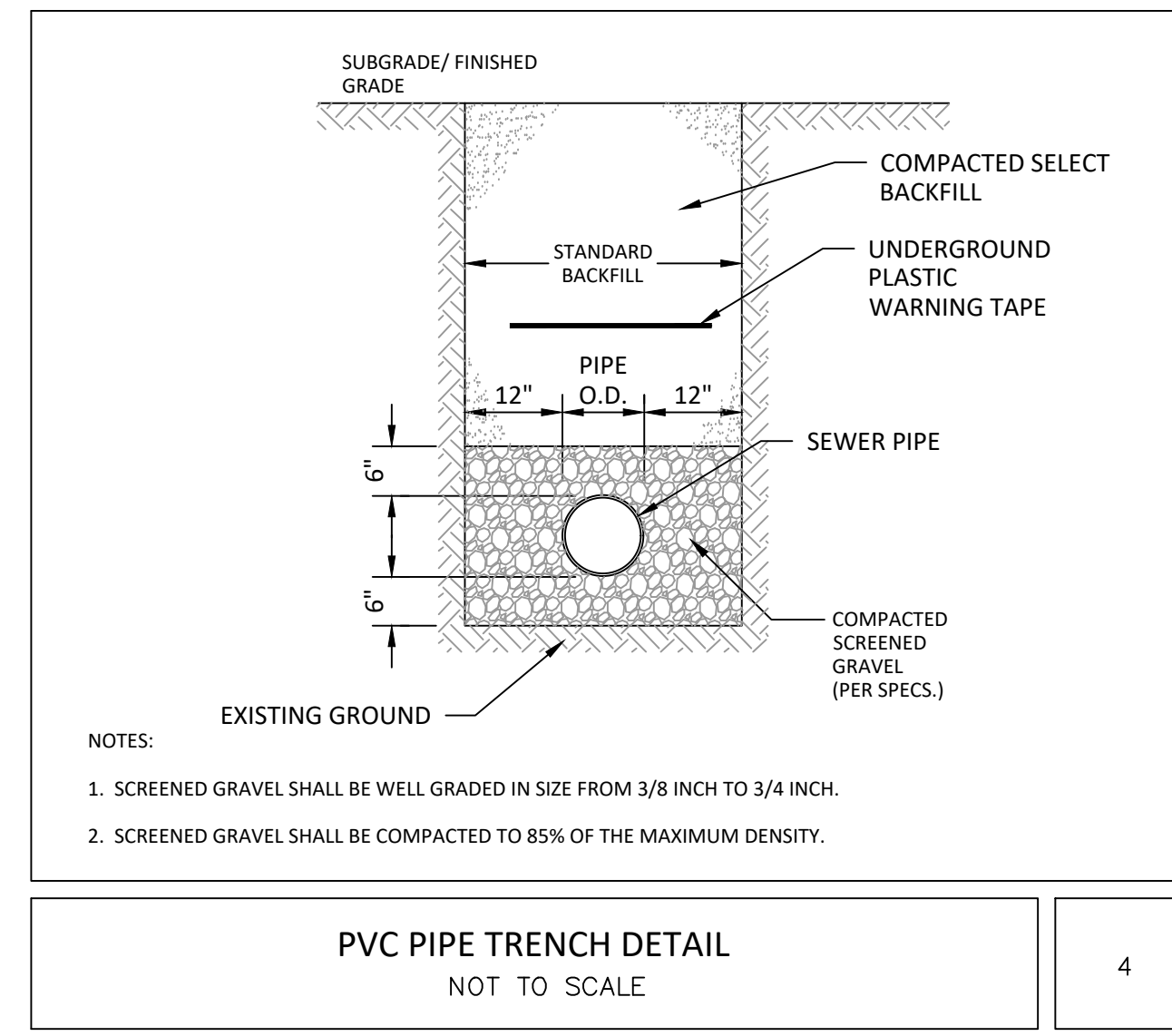
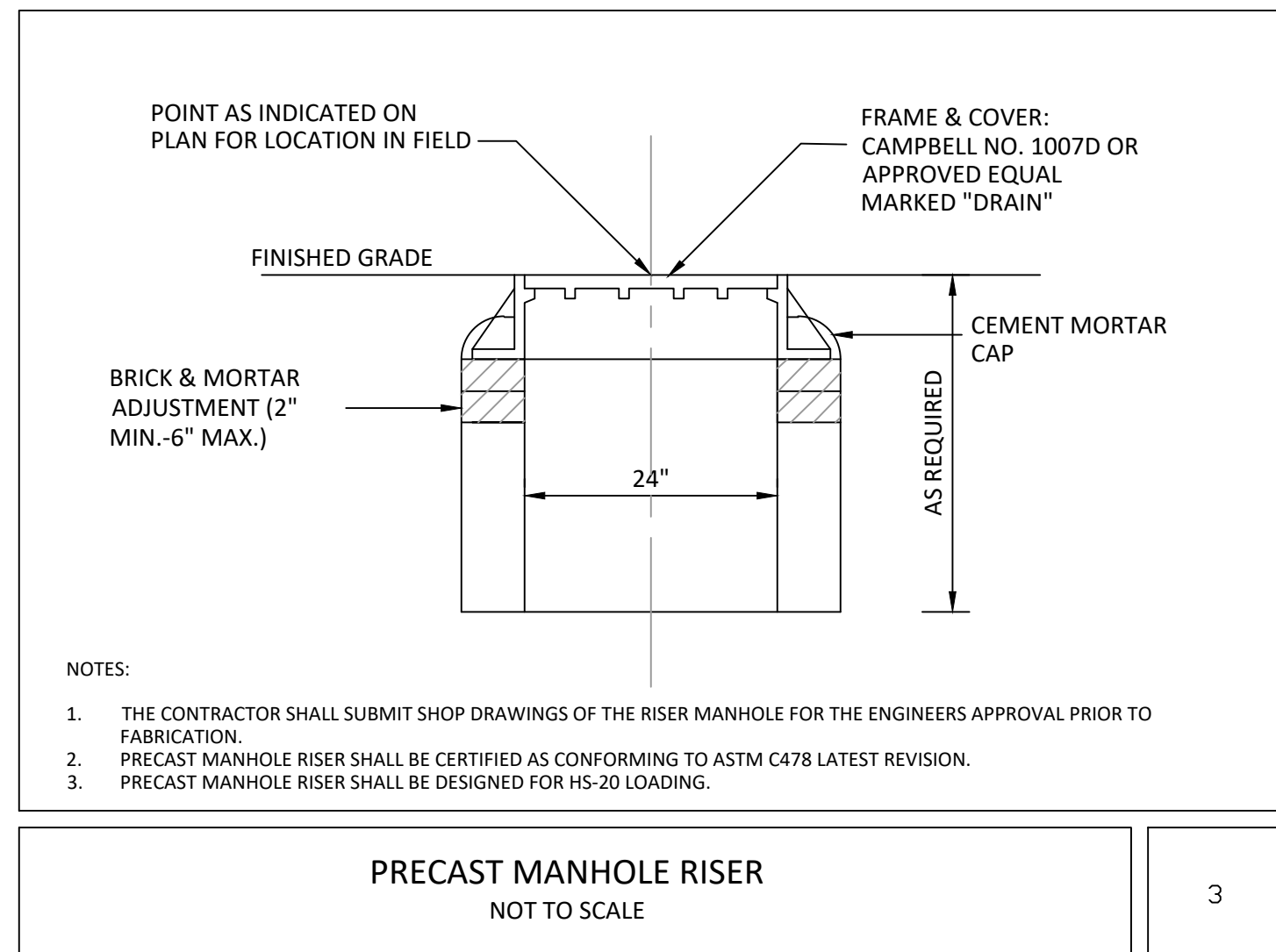
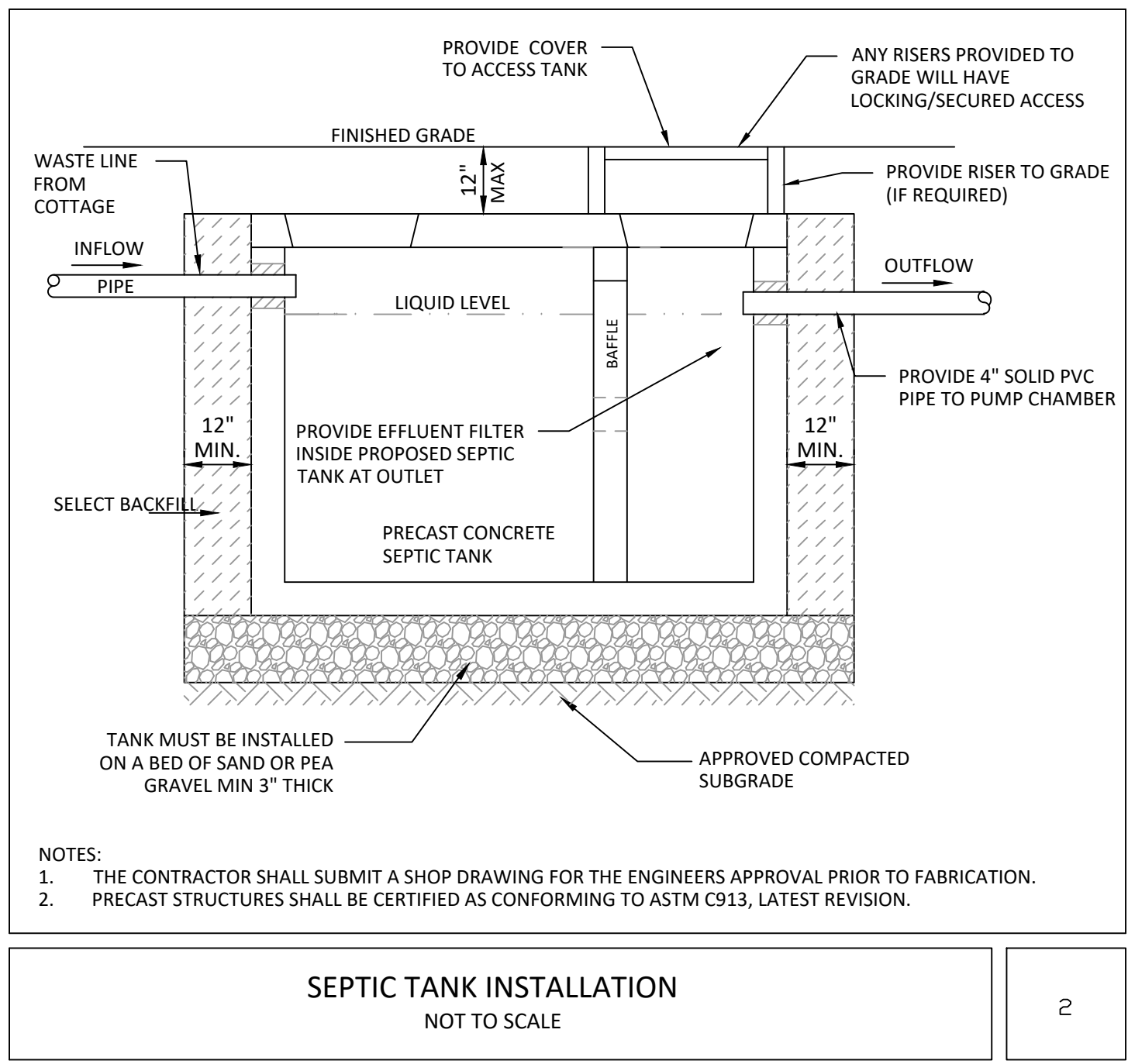
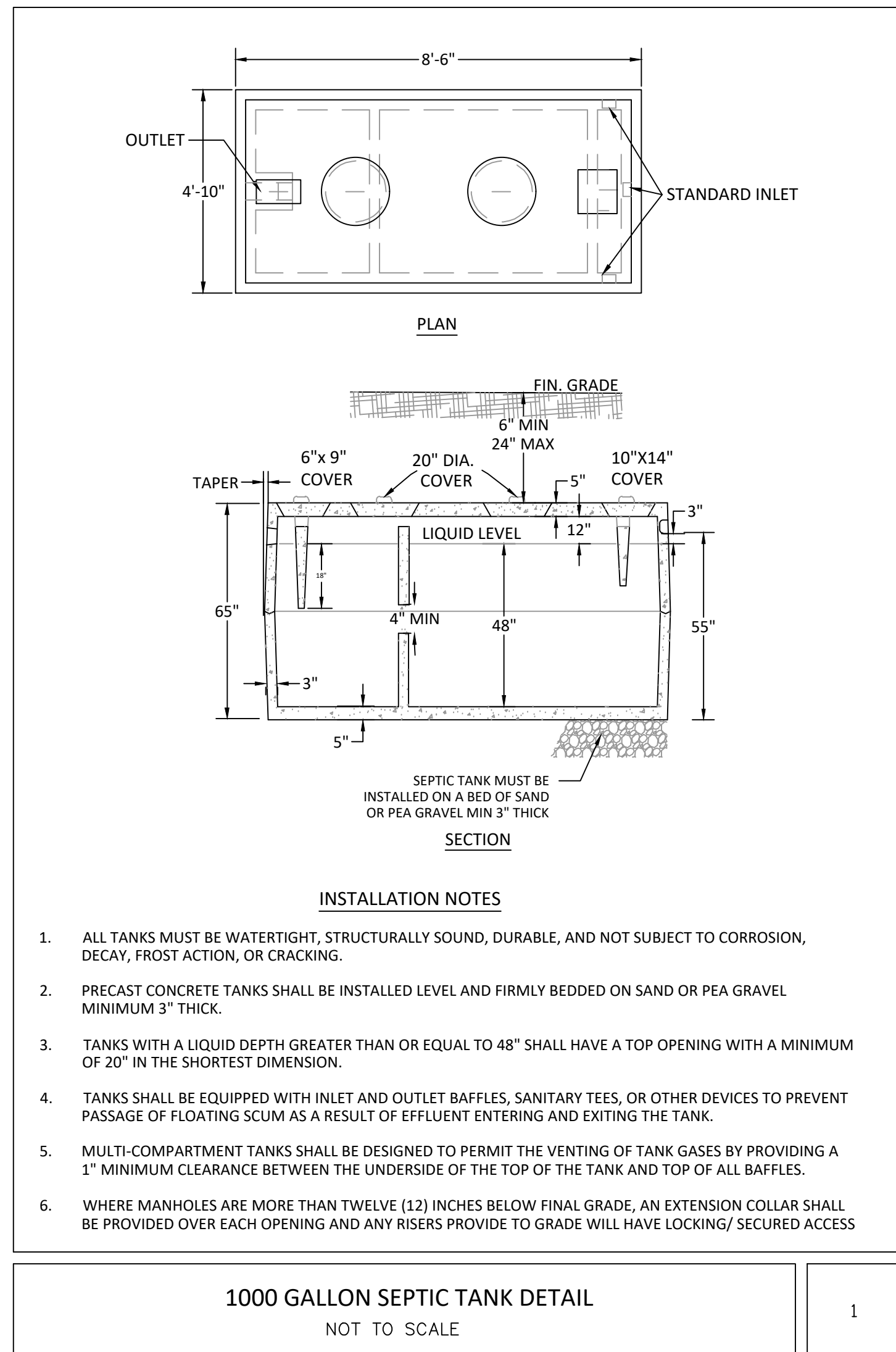
Sheet Title:
OWTS TANK PLAN -
MAIN CAMPUS

Date: 2 July, 2024
Project No: 1023
Dwg By: RCC/HV
Chk By: MSG

SP-4.05

Pg No:





Project:
Teatown Lake Reservation
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Date: 10/04/24 Issue: For planning board review

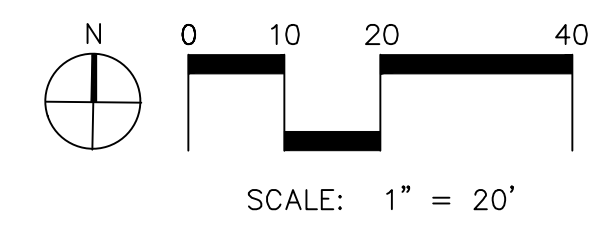
Date: 10/04/24 Issue: For planning board review

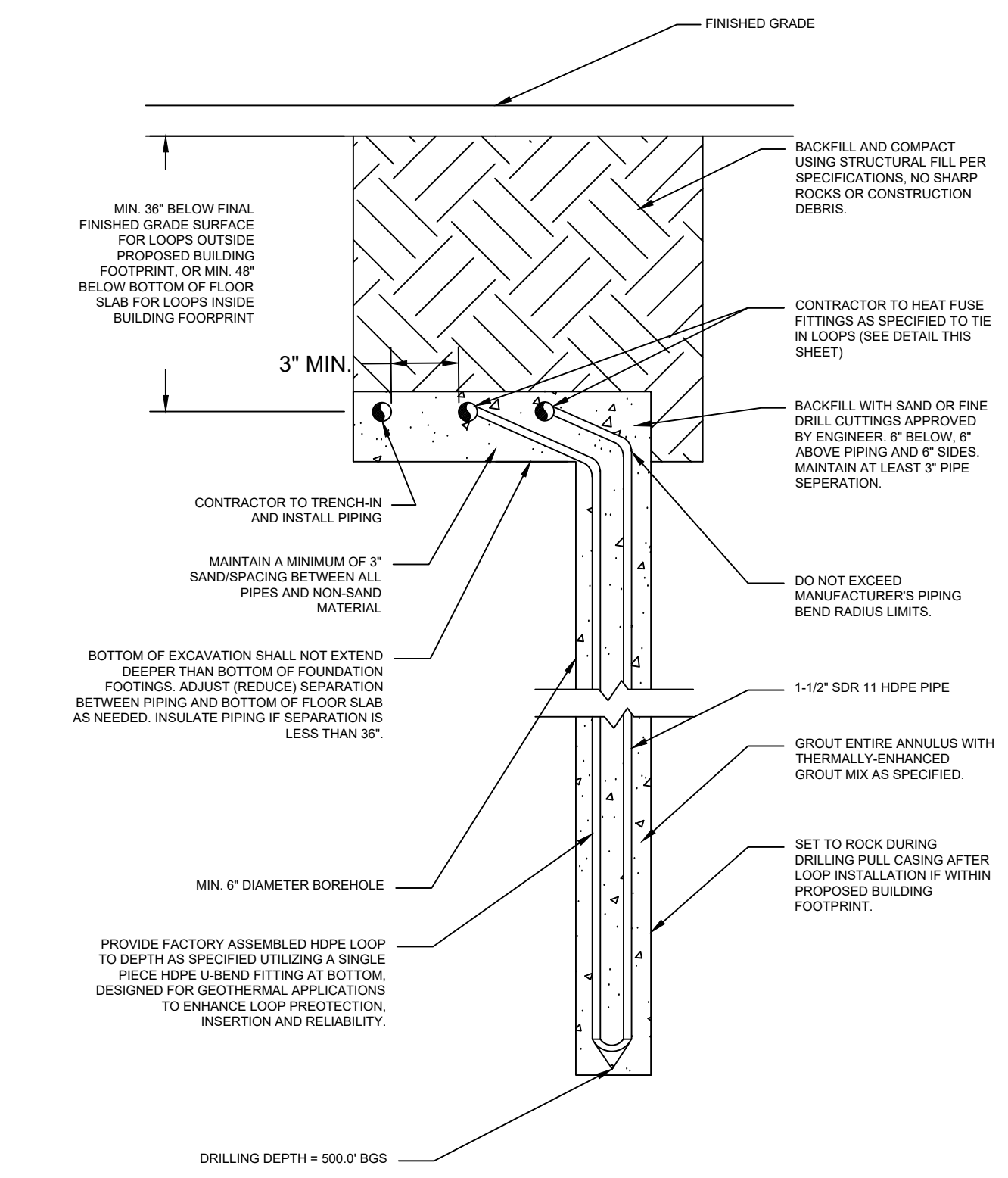
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Sheet Title:
OWTS PROFILE AND DETAILS

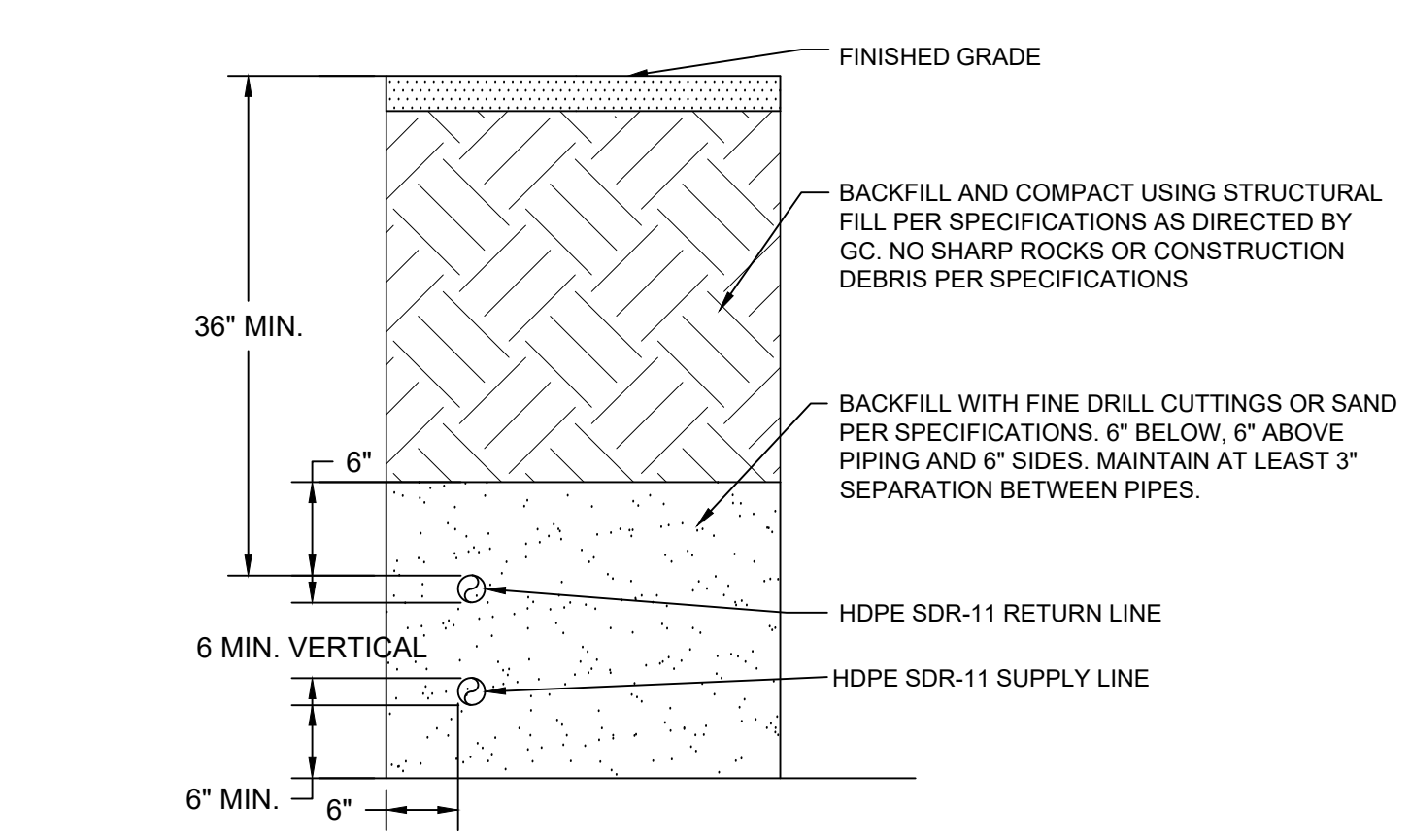
Date: 2 July 2024
Project No: 1023
Dwg By: RCC/HV
Chck By: MSG

SP-4.06
Pg No:



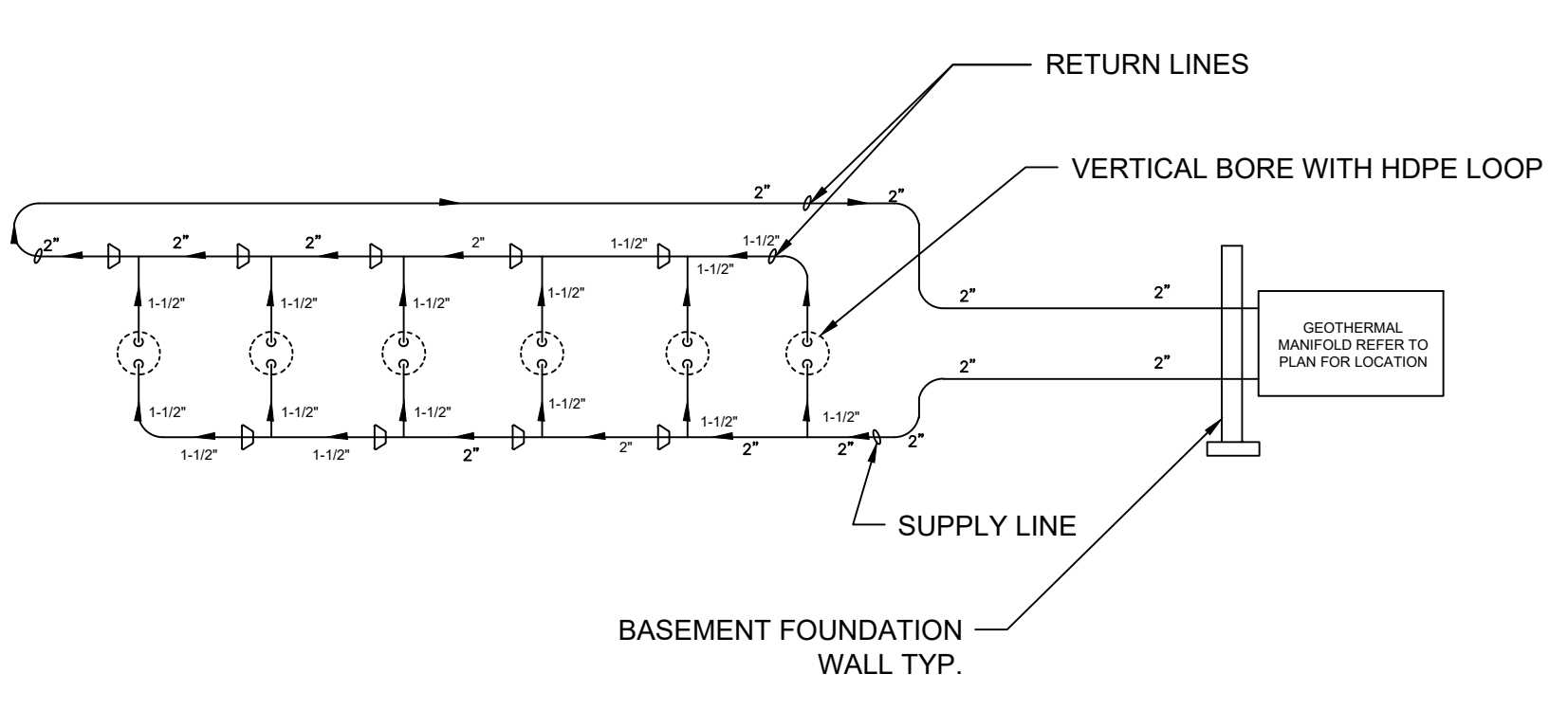


5 GEOTHERMAL BOREFIELD DETAIL
SCALE: NONE

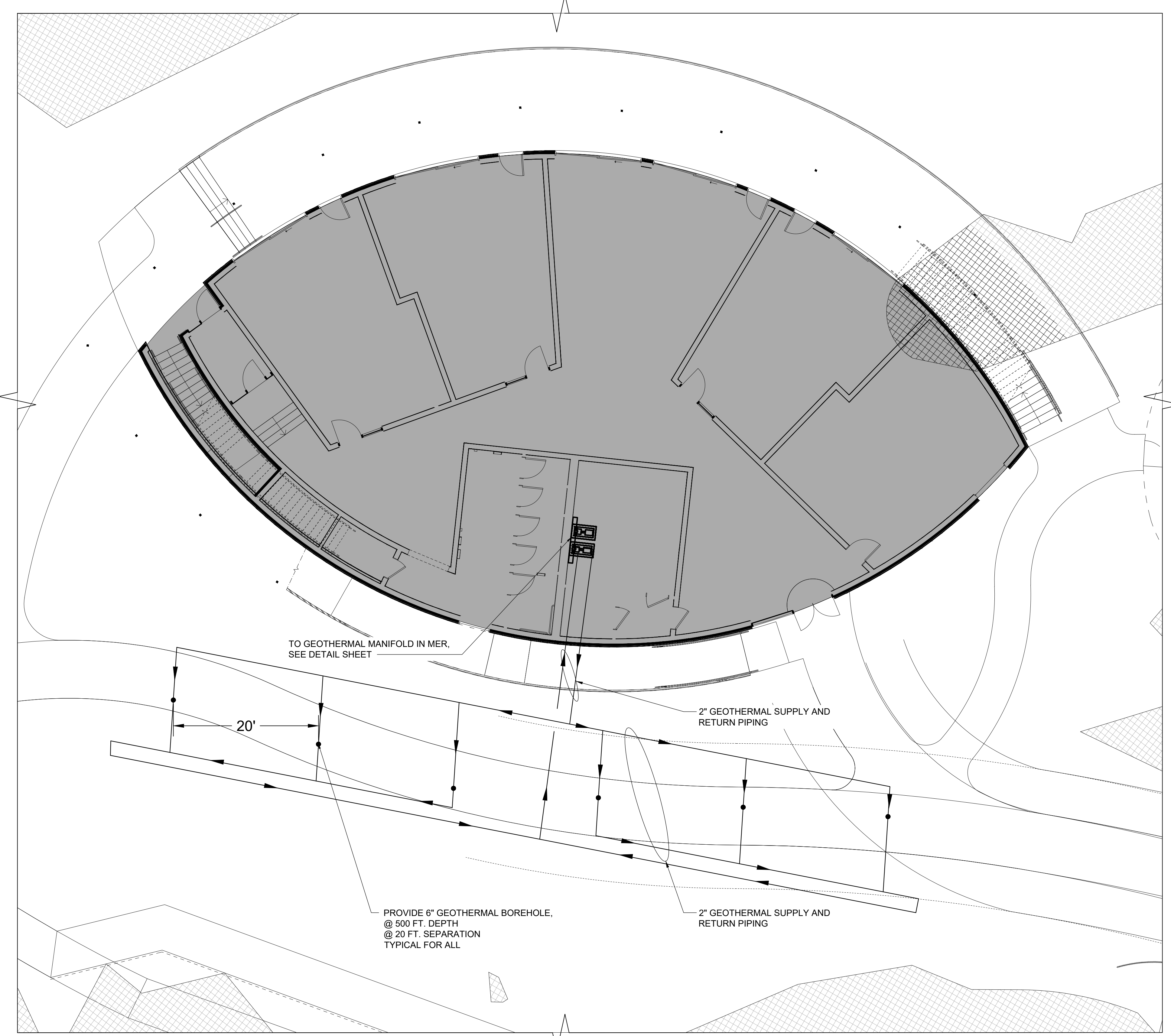


- NOTES:**
- 1.) IF DEPTH OF TRENCH EQUALS OR EXCEEDS 5'-0", THE CONTRACTOR MUST PROVIDE SHEETING AND BRACING. AS AN ALTERNATIVE, THE TRENCH WALLS MUST BE CUT BACK TO A 1:1 SLOPE, OR THE NATURAL ANGLE OF REPOSE FOR THE SOIL, WHICHEVER IS SHALLOWER.
 - 2.) CLASS I, II, III OR IV COMPACTED BACKFILL MATERIAL IN ALL PIPE ZONES, PER USCS UNIFIED SOIL CLASSIFICATION SYSTEM

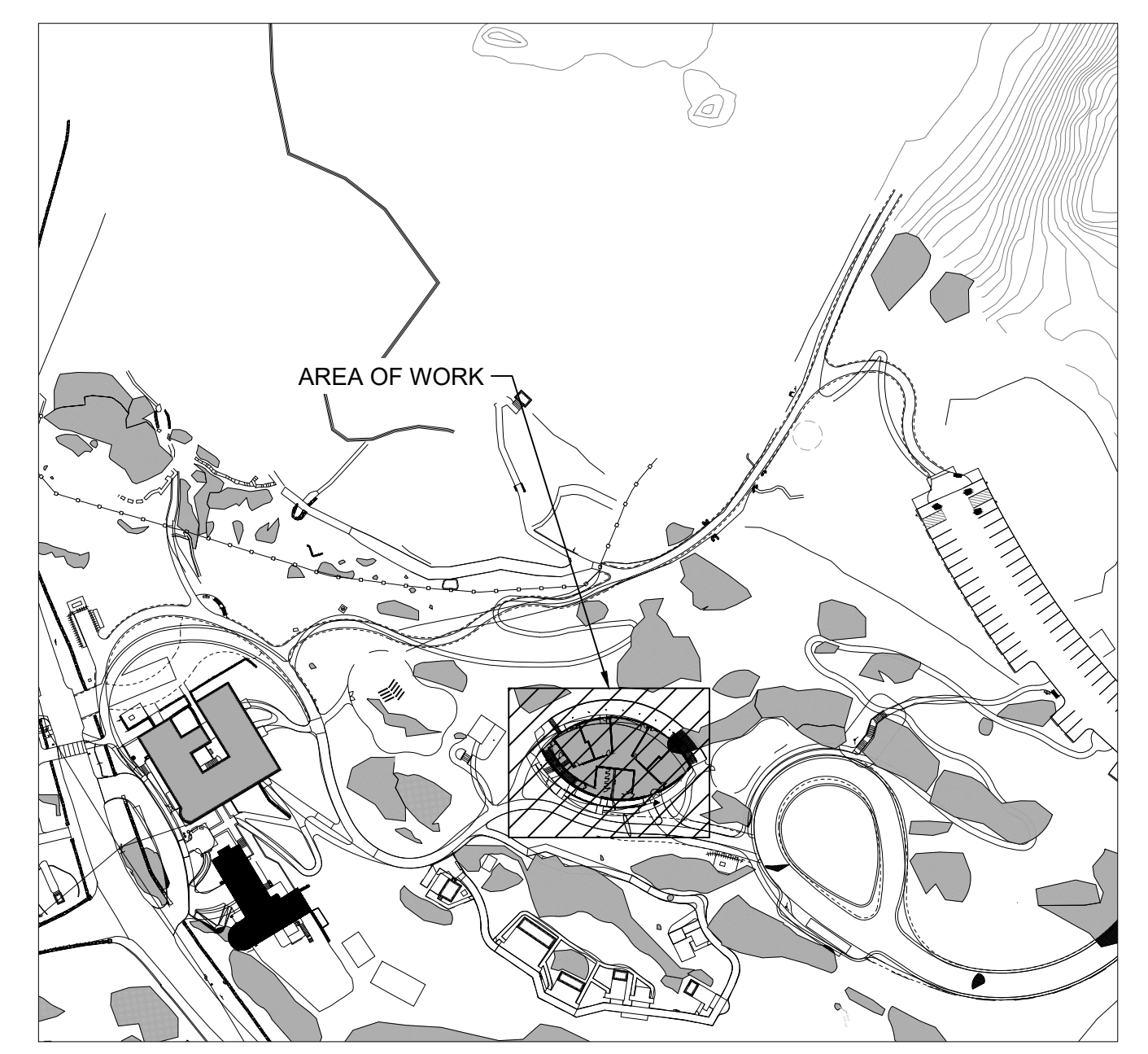
4 TRENCH SECTION INTERIOR OF BUILDING LINE
SCALE: NONE



3 TYP. GEOTHERMAL CIRCUIT SCHEMATIC
SCALE: NONE



1 GEOTHERMAL BOREFIELD PLAN
SCALE: 1/8"=1'-0"
NORTH



2 OVERALL SITE PLAN
SCALE: NONE
NORTH

Project:
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Date: 10/04/24
Issue: For planning board review

Seal and Signature:

Sheet Title:
GEOTHERMAL BOREFIELD PLAN

Date: 05 April, 2024
Project No: NNAR0010.00
Dwg By: AE
Chk By: RJ

SP-4.07

Pg No:

PLANT SCHEDULE							
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	ROOTBALL	SIZE	REMARKS
TREES							
	AC	20	AMELANCHIER CANADENSIS	CANADIAN SERVICEBERRY MULTI-TRUNK	CONT.	15 GAL.	
	AR	12	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	B&B	2 1/2" - 3" CAL.	SINGLE STEM
	AS	5	ACER SACCHARUM	SUGAR MAPLE	B&B	2 1/2" - 3" CAL.	
	AS(T)	6	ACER SACCHARUM	SUGAR MAPLE	N/A	TUBLING	
	AS2	13	ACER SACCHARUM	SUGAR MAPLE	CONT.	15 GAL.	
	BL	15	BETULA LENTA	SWEET BIRCH	CONT.	15 GAL.	
	BL(T)	3	BETULA LENTA	SWEET BIRCH	N/A	TUBLING	
	BN	5	BETULA NIGRA	RIVER BIRCH MULTI-TRUNK	B&B	3" - 3 1/2" CAL.	MULTISTEM
	CC2	8	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	CONT.	15 GAL.	
	CO	6	CARYA OVATA	SHAGBARK HICKORY	CONT.	15 GAL.	
	CO(T)	3	CARYA OVATA	SHAGBARK HICKORY	N/A	TUBLING	
	COR GR4	1	CORNUS RACEMOSA	GRAY DOGWOOD	B&B	1-1/2"-2"	
	CT	10	CHAMAECYPARIS THYOIDES	ATLANTIC WHITE CEDAR	CONT.	15 GAL.	
	HV	13	HAMAMELIS VIRGINIANA	AMERICAN WITCH-HAZEL	CONT.	15 GAL.	MULTI-STEM (3)
	JV	5	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	CONT.	15 GAL.	SINGLE STEM
	LS	5	LIQUIDAMBAR STYRACIFLUA	SWEET GUM	B&B	3" - 3 1/2" CAL.	
	LT	5	LIRIODENDRON TULIPIFERA	TULIP POPLAR	B&B	3" - 3 1/2" CAL.	SINGLE STEM
	MV(T)	8	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	N/A	TUBLING	
	NS	2	NYSSA SYLVATICA	BLACK TUPELO	B&B	3" - 3 1/2" CAL.	SINGLE STEM
	PS	2	PRUNUS SEROTINA	BLACK CHERRY	B&B	3" - 3 1/2" CAL.	
	QB2	5	QUERCUS BICOLOR	SWAMP WHITE OAK	CONT.	15 GAL.	SINGLE STEM
	QP(T)	23	QUERCUS PRINUS	CHESTNUT OAK	N/A	TUBLING	
	QR2	21	QUERCUS RUBRA	RED OAK	CONT.	15 GAL.	SINGLE STEM

PLANT SCHEDULE							
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	ROOTBALL	SIZE	REMARKS
SHRUBS							
	ALN	65	ALNUS SERRULATA	HAZEL ALDER	CONT.	1 GAL.	
	AME	31	AMELANCHIER CANADENSIS	CANADIAN SERVICEBERRY MULTI-TRUNK	CONT.	1 GAL.	
	ARO ARB	16	ARONIA ARBUTIFOLIA	RED CHOKEBERRY	CONT.	1 GAL.	
	CEP OC4	46	CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	CONT.	2 GAL.	STRAIGHT SPECIES ONLY, WELL ROOTED IN POT
	CLE AL3	131	CLETHRA ALNIFOLIA	SUMMERSWEET	CONT.	2 GAL.	
	COR AM3	10	CORNUS AMOMUM	SILKY DOGWOOD	CONT.	2 GAL.	STRAIGHT SPECIES, WELL ROOTED IN POT.
	IV	144	ITEA VIRGINICA	VIRGINIA SWEETSPIRE	CONT.		
	IVE	33	ILEX VERTICILLATA	WINTERBERRY	B&B		
	LIN BE3	27	LINDERA BENZOIN	SPICEBUSH	CONT.		
	RHO VI3	25	RHODODENDRON VISCOSUM	SWAMP AZALEA	CONT.		
	SAM CAN	29	SAMBUCUS CANADENSIS	AMERICAN ELDERBERRY	CONT.	2 GAL.	

CONCEPT PLANT SCHEDULE

	RAIN GARDEN - HERBACEOUS	12,217 SF
	ASCLEPIAS INCARNATA / SWAMP MILKWEED	1,410
	ASCLEPIAS TUBEROSA / BUTTERFLY MILKWEED	5,640
	MONARDA DIDYMA / BEE BALM	5,640
	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC	1,410
	RUDBECKIA HIRTA / BLACK-EYED SUSAN	3,172
	SOLIDAGO RUGOSA / WRINKLELEAF GOLDENROD	5,639
	SYMPHYOTRICHUM LAEVE / SMOOTH ASTER	3,172
	PANICUM VIRGATUM 'CAPE BREEZE' / CAPE BREEZE SWITCH GRASS	5,639

	UPLAND MEADOW MIX	34,720 SF
	MARGINS OF MATURE WOODLANDS, FACULTATIVE WETLAND (FACW)	
	APOCYNUM CANNABINUM / INDIAN HEMP	5,774
	ASCLEPIAS INCARNATA / SWAMP MILKWEED	4,007
	ASCLEPIAS TUBEROSA / BUTTERFLY MILKWEED	16,028
	ASTER DIVARICATUS / WHITE WOOD ASTER	4,007
	CALAMAGROSTIS CANADENSIS / BLUEJOINT GRASS	4,007
	CIRSIIUM DISCOLOR / FIELD THISTLE	9,016
	ONOCLEA SENSIBILIS / SENSITIVE FERN	4,007
	PANICUM VIRGATUM 'CAPE BREEZE' / CAPE BREEZE SWITCH GRASS	4,007
	SYMPHYOTRICHUM LAEVE 'BLUEBIRD' / SMOOTH ASTER	9,016
	SYMPHYOTRICHUM PILOSUM / FROST ASTER	4,007
	THELYPTERIS PALUSTRIS / EASTERN MARSH FERN	4,007

	WET MEADOW	7,008 SF
	ASCLEPIAS INCARNATA / SWAMP MILKWEED	809
	CAREX AMPHIBOLA / CREEK SEDGE	7,281
	CAREX CRINITA / FRINGED SEDGE	1,824
	CAREX STRICTA / TUSsock SEDGE	7,296
	CLETHRA ALNIFOLIA / SUMMERSWEET	456
	ELYMUS RIPARIUS / RIVERBANK RYE	1,824
	EUTROCHIIUM MACULATUM / SPOTTED JOE PYE WEED	456
	EUTROCHIIUM PURPUREUM / JOE PYE WEED	456
	ITEA VIRGINICA / VIRGINIA SWEETSPIRE	813
	OSMUNDA REGALIS / ROYAL FERN	813
	OSMUNDASTRUM CINNAMOMEUM / CINNAMON FERN	1,831
	SCIRPUS CYPERINUS / WOOL GRASS	456
	SOLIDAGO GRAMINIFOLIA / GRASS-LEAVED GOLDENROD	7,296
	SOLIDAGO RUGOSA / WRINKLELEAF GOLDENROD	7,296

	GREEN ROOF MIX	2,674 SF
	MARGINS OF MATURE WOODLANDS, FACULTATIVE WETLAND (FACW)	
	ASCLEPIAS INCARNATA / SWAMP MILKWEED	308
	ASCLEPIAS TUBEROSA / BUTTERFLY MILKWEED	1,232
	ASTER DIVARICATUS / WHITE WOOD ASTER	308
	CALAMAGROSTIS CANADENSIS / BLUEJOINT GRASS	308
	CIRSIIUM DISCOLOR / FIELD THISTLE	693
	MONARDA FISTULOSA / BERGAMOT	308
	PANICUM VIRGATUM 'CAPE BREEZE' / CAPE BREEZE SWITCH GRASS	308
	SYMPHYOTRICHUM LAEVE 'BLUEBIRD' / SMOOTH ASTER	693
	SYMPHYOTRICHUM PILOSUM / FROST ASTER	308

	HYRDOSEEDED LAWN	9,453 SF
	TURF HYDROSEED / DROUGHT TOLERANT FESCUE BLEND	

	REINFORCED TURF	4,676 SF
	TURF HYDROSEED / DROUGHT TOLERANT FESCUE BLEND	

Project:
Teatown Lake Reservation
 1600 SPRING VALLEY RD.
 OSSINING, NY, 10562

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Date	Issue
10/4/24	For planning board review

Seal and Signature:

Sheet Title:
PLANTING AND GROUND COVER SCHEDULE

Date: 2 July, 2024
 Project No: 1023
 Dwg By: YT, RS
 Check By: GWL

SP-5.00

Pg No: **XX OF XXX**



- PLANTING LEGEND**
- APPROXIMATE LOCATION OF SANITARY LINE
 - 100' WETLAND BUFFER
 - WETLAND BOUNDARY FLAGGED BY STEVE MARINO, TIM MILLER ASSOCIATES BY AUGUST 11, 2023
 - EXISTING DEER EXCLOSURE FENCE TO REMAIN
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR

- DBH
- CRZ
- EXTENTS OF RAIN GARDEN EXCAVATION

- MIX SCHEDULES**
- REINFORCED TURF
 - NATIVE LOW-MOW FESCUE MIX - HYDROSEED
 - RAIN GARDEN
 - UPLAND MEADOW
 - WET MEADOW
 - GREEN ROOF

TREES	CODE	COMMON / BOTANICAL NAME
○	AC	CANADIAN SERVICEBERRY MULTI-TRUNK / AMELANCHIER CANADENSIS
○	AR	OCTOBER GLORY RED MAPLE / ACER RUBRUM 'OCTOBER GLORY'
○	AS	SUGAR MAPLE / ACER SACCHARUM
○	AS(T)	SUGAR MAPLE / ACER SACCHARUM
○	AS2	SUGAR MAPLE / ACER SACCHARUM
○	BL	SWEET BIRCH / BETULA LENTA
○	BL(T)	SWEET BIRCH / BETULA LENTA
○	BN	RIVER BIRCH MULTI-TRUNK / BETULA NIGRA
○	CC2	AMERICAN HORNBEAM / CARPINUS CAROLINIANA
○	CO	SHAGBARK HICKORY / CARYA OVATA
○	CO(T)	SHAGBARK HICKORY / CARYA OVATA
○	COR GR4	GRAY DOGWOOD / CORNUS RACEMOSA
○	CT	ATLANTIC WHITE CEDAR / CHAMAECYPARIS THYOIDES
○	HV	AMERICAN WITCH-HAZEL / HAMAMELIS VIRGINIANA
○	JV	EASTERN RED CEDAR / JUNIPERUS VIRGINIANA
○	LS	SWEET GUM / LIQUIDAMBAR STYRACIFLUA
○	LT	TULIP POPLAR / LIRIODENDRON TULIPIFERA
○	MV(T)	SWEETBAY MAGNOLIA / MAGNOLIA VIRGINIANA
○	NS	BLACK TUPELO / NYSSA SYLVATICA
○	PS	BLACK CHERRY / PRUNUS SEROTINA
○	QB2	SWAMP WHITE OAK / QUERCUS BICOLOR
○	QP(T)	CHESTNUT OAK / QUERCUS PRINUS
○	QR2	RED OAK / QUERCUS RUBRA
○	SHRUBS	
○	ALN	HAZEL ALDER / ALNUS SERRULATA
○	AME	CANADIAN SERVICEBERRY MULTI-TRUNK / AMELANCHIER CANADENSIS
○	ARO ARB	RED CHOKEBERRY / ARONIA ARBUTIFOLIA
○	IVE	WINTERBERRY / ILEX VERTICILLATA

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Date: 10/4/24 Issue: For planning board review

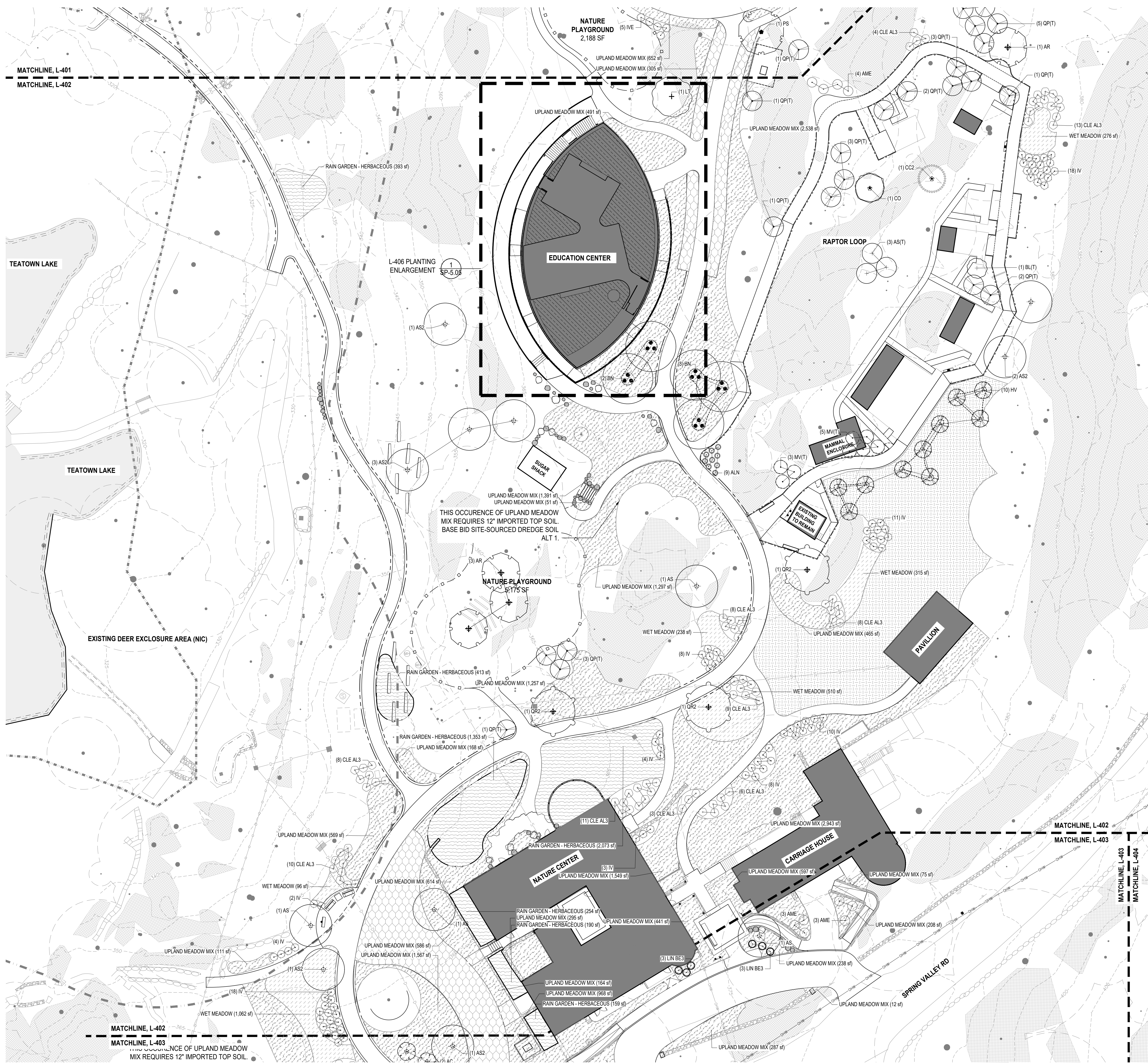
Seal and Signature:


Sheet Title:
**PLANTING PLAN
 - BLINN ROAD
 ACCESS**

Date: 2 July, 2024
 Project No: 1023
 Dwg By: YT, RS
 Check By: GWL

SP-5.01

Pg No: **XX OF XXX**



PLANTING LEGEND

- APPROXIMATE LOCATION OF SANITARY LINE
- - - 100' WETLAND BUFFER
- - - WETLAND BOUNDARY FLAGGED BY STEVE MARINO, TIM MILLER ASSOCIATES BY AUGUST 11, 2023
- - - EXISTING DEER EXCLOSURE FENCE TO REMAIN
- - - EXISTING MAJOR CONTOUR
- - - EXISTING MINOR CONTOUR

- DBH
- CRZ
- EXTENTS OF RAIN GARDEN EXCAVATION

MIX SCHEDULES

- ▨ REINFORCED TURF
- ▨ NATIVE LOW-MOW FESCUE MIX - HYDROSEED
- ▨ RAIN GARDEN
- ▨ UPLAND MEADOW
- ▨ WET MEADOW
- ▨ GREEN ROOF

TREES

CODE	COMMON / BOTANICAL NAME
AC	CANADIAN SERVICEBERRY MULTI-TRUNK / AMELANCHIER CANADENSIS
AR	OCTOBER GLORY RED MAPLE / ACER RUBRUM 'OCTOBER GLORY'
AS	SUGAR MAPLE / ACER SACCHARUM
AS(T)	SUGAR MAPLE / ACER SACCHARUM
AS2	SUGAR MAPLE / ACER SACCHARUM
BL	SWEET BIRCH / BETULA LENTA
BL(T)	SWEET BIRCH / BETULA LENTA
BN	RIVER BIRCH MULTI-TRUNK / BETULA NIGRA
CC2	AMERICAN HORNBEAM / CARPINUS CAROLINIANA
CO	SHAGBARK HICKORY / CARYA OVATA
CO(T)	SHAGBARK HICKORY / CARYA OVATA
COR GR4	GRAY DOGWOOD / CORNUS RACEMOSA
CT	ATLANTIC WHITE CEDAR / CHAMAECYPARIS THYOIDES
HV	AMERICAN WITCH-HAZEL / HAMMELIS VIRGINIANA
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LT	TULIP POPLAR / LIRIODENDRON TULIPIFERA
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NS	BLACK TUPELO / NYSSA SYLVATICA
PS	BLACK CHERRY / PRUNUS SEROTINA
QB2	SWAMP WHITE OAK / QUERCUS BICOLOR
QP(T)	CHESTNUT OAK / QUERCUS PRINUS
QR2	RED OAK / QUERCUS RUBRA

SHRUBS

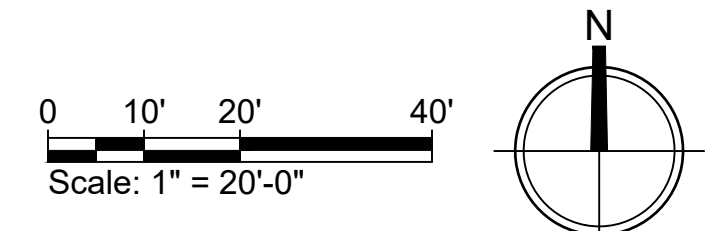
CODE	COMMON / BOTANICAL NAME
ALN	HAZEL ALDER / ALNUS SERRULATA
AME	CANADIAN SERVICEBERRY MULTI-TRUNK / AMELANCHIER CANADENSIS
ARO ARB	RED CHOKEBERRY / ARONIA ARBUTIFOLIA
IVE	WINTERBERRY / ILEX VERTICILLATA

MATCHLINE, L-401
MATCHLINE, L-402

MATCHLINE, L-402
MATCHLINE, L-403

MATCHLINE, L-403
MATCHLINE, L-404

MATCHLINE, L-402
MATCHLINE, L-403



Project:
Teatown Lake Reservation
1600 SPRING VALLEY RD,
OSSINGING, NY, 10562

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Date: 10/4/24 Issue: For planning board review

Seal and Signature:

Sheet Title:
**PLANTING PLAN
- MAIN CAMPUS**

Date: 2 July, 2024
Project No: 1023
Dwg By: YT, RS
Check By: GWL

SP-5.02

Pg No: **XX OF XXX**



PLANTING LEGEND

- APPROXIMATE LOCATION OF SANITARY LINE
- 100' WETLAND BUFFER
- WETLAND BOUNDARY FLAGGED BY STEVE MARINO, TIM MILLER ASSOCIATES BY AUGUST 11, 2023
- EXISTING DEER ENCLOSURE FENCE TO REMAIN
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR

EXISTING TREE TO REMAIN. NO STAGING, FILL OR EXCAVATION IN CRITICAL ROOT ZONES (CRZ) PROTECT ALL TREES WITHIN 50' OF ACTIVE CONSTRUCTION ZONES WITH WOODEN TREE GUARDS OR 4' RANGE FENCE FOR GROVES.

EXTENTS OF RAIN GARDEN EXCAVATION

MIX SCHEDULES

- [Pattern] REINFORCED TURF
- [Pattern] NATIVE LOW-MOW FESCUE MIX - HYDROSEED
- [Pattern] RAIN GARDEN
- [Pattern] UPLAND MEADOW
- [Pattern] WET MEADOW
- [Pattern] GREEN ROOF

TREES

CODE	COMMON / BOTANICAL NAME
AC	CANADIAN SERVICEBERRY MULTI-TRUNK / AMELANCHIER CANADENSIS
AR	OCTOBER GLORY RED MAPLE / ACER RUBRUM 'OCTOBER GLORY'
AS	SUGAR MAPLE / ACER SACCHARUM
AS(T)	SUGAR MAPLE / ACER SACCHARUM
AS2	SUGAR MAPLE / ACER SACCHARUM
BL	SWEET BIRCH / BETULA LENTA
BL(T)	SWEET BIRCH / BETULA LENTA
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CO(T)	SHAGBARK HICKORY / CARYA OVATA
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QP(T)	CHESTNUT OAK / QUERCUS PRINUS
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SHRUBS	
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IVE	WINTERBERRY / ILEX VERTICILLATA

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Date: 10/4/24
 Issue: For planning board review

Seal and Signature:

Sheet Title:
PLANTING PLAN - SPRING VALLEY ROAD

Date: 2 July, 2024
 Project No: 1023
 Dwg By: YT, RS
 Check By: GWL

SP-5.03

Pg No: XX OF XXX



PLANTING LEGEND

- APPROXIMATE LOCATION OF SANITARY LINE
- 100' WETLAND BUFFER
- WETLAND BOUNDARY FLAGGED BY STEVE MARINO, TIM MILLER ASSOCIATES BY AUGUST 11, 2023
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- DBH
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- EXTENTS OF RAIN GARDEN EXCAVATION

MIX SCHEDULES

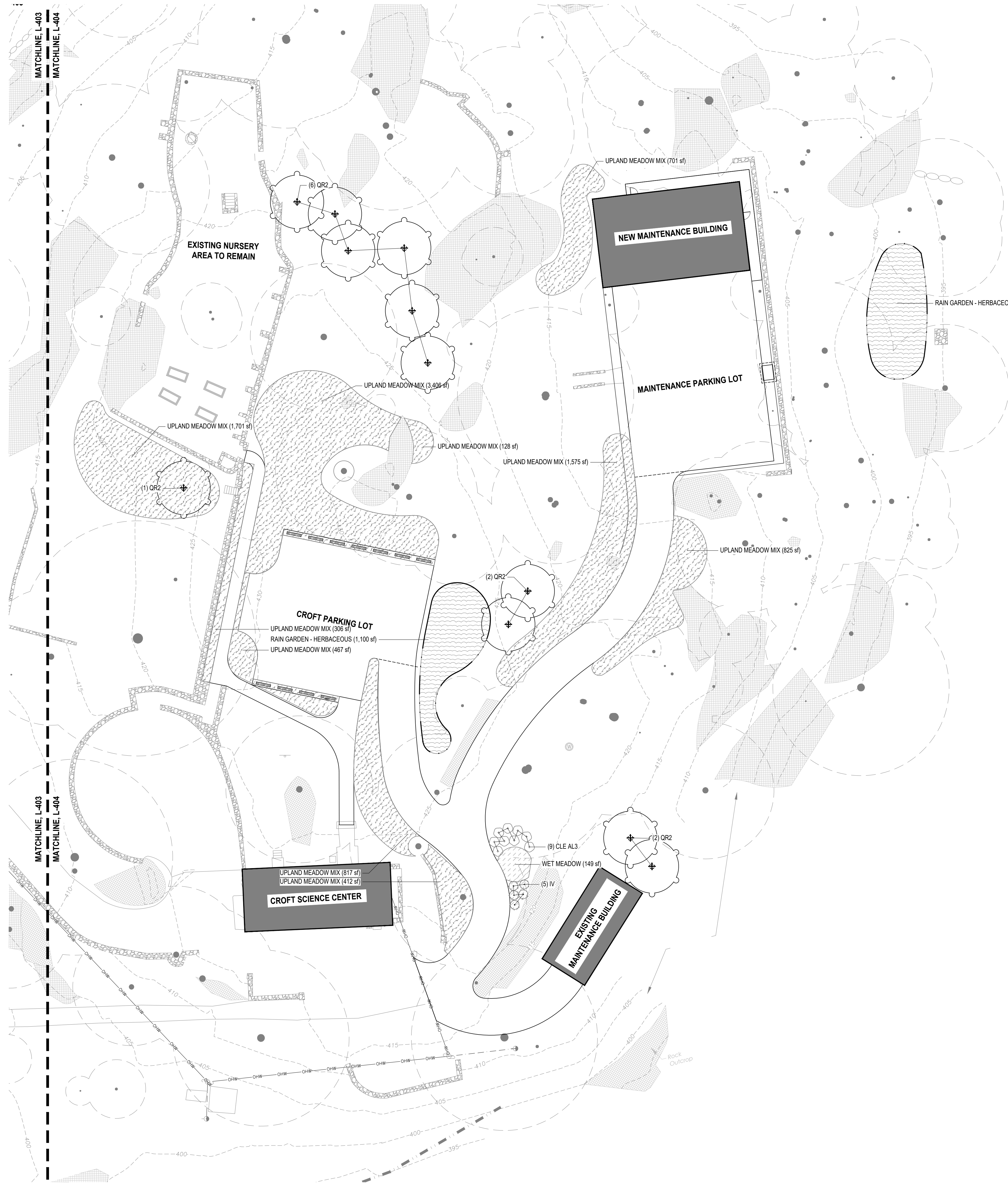
- REINFORCED TURF
- NATIVE LOW-MOW FESCUE MIX - HYDROSEED
- RAIN GARDEN
- UPLAND MEADOW
- WET MEADOW
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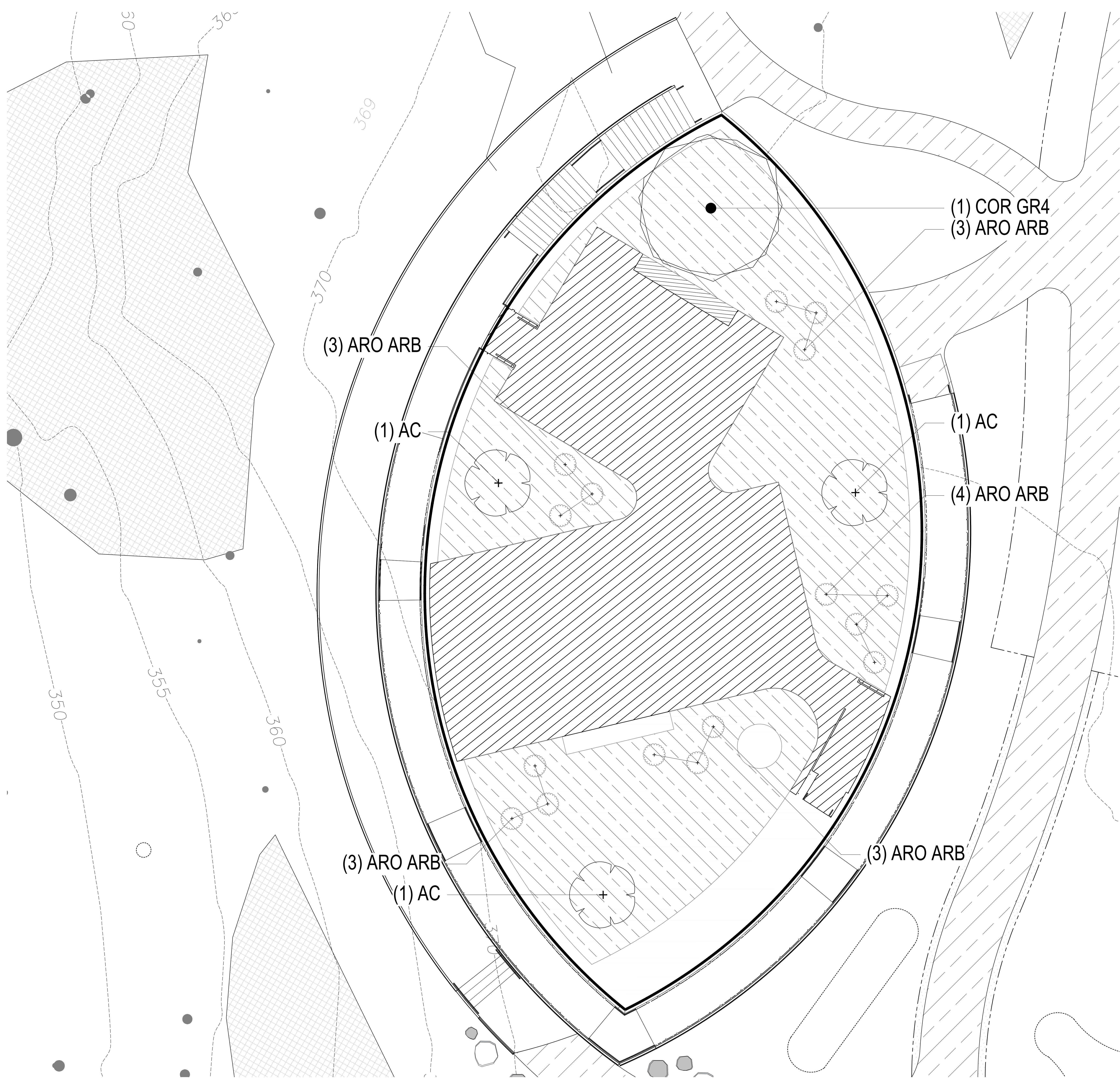
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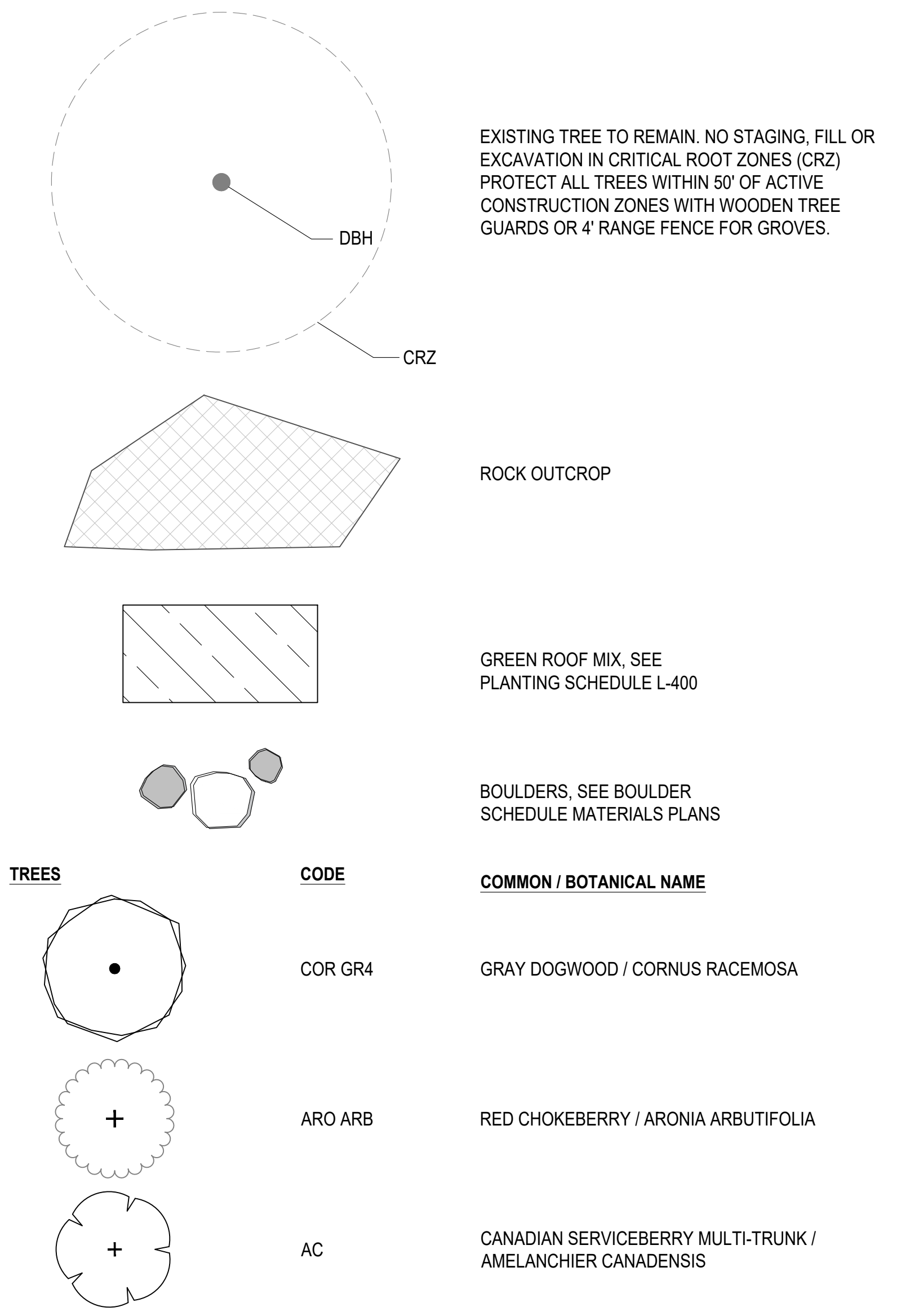
SHRUBS

CODE	COMMON / BOTANICAL NAME
ALN	HAZEL ALDER / ALNUS SERRULATA
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IVE	WINTERBERRY / ILEX VERTICILLATA





PLANTING LEGEND



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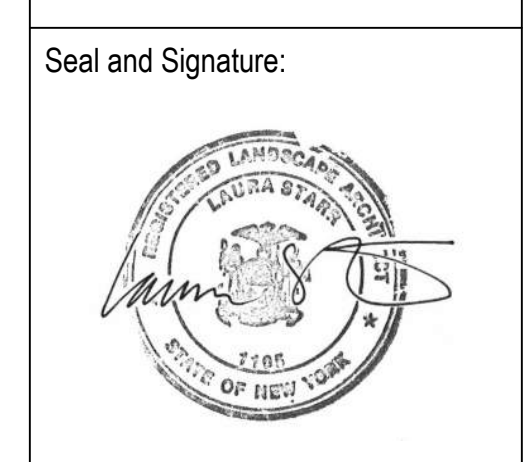
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Date	Issue
10/4/24	For planning board review



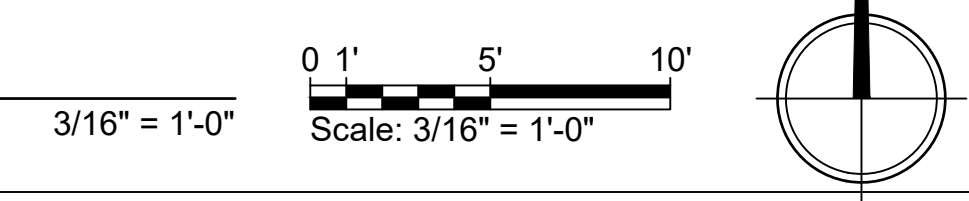
Sheet Title:
**PLANTING
 PLAN - GREEN
 ROOF**

Date: 2 July, 2024
 Project No: 1023
 Dwg By: YT, RS
 Check By: GWL

SP-5.05

Pg No: **XX OF XXX**

1 L-406 PLANTING ENLARGEMENT





TREE REMOVAL AND PROTECTION LEGEND

	EXISTING: APPROXIMATE LOCATION OF SANITARY LINE
	100' WETLAND BUFFER
	WETLAND BOUNDARY FLAGGED BY STEVE MARINO, TIM MILLER ASSOCIATES BY AUGUST 11, 2023
	EXISTING STONE RETAINING WALL
	STONE MASONRY RETAINING WALL
	ROCK OUTCROP
	EXISTING DRAIN
	OVERHEAD ELECTRICAL WIRE
	EXISTING DEER ENCLOSURE FENCE TO REMAIN
	EXISTING WOODEN FENCE OR SPLIT RAIL
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	RAILROAD TIE CURB
	EXISTING DRAIN INLET
	WELL
	EXISTING GUY WIRE
	EXISTING UTILITY POLE
	EXISTING SIGN
	EXISTING LIGHT POLE
	SEWER PUMP
	MANHOLE COVER
	EXISTING TREE TO REMAIN. NO STAGING, FILL OR EXCAVATION IN CRITICAL ROOT ZONES (CRZ) PROTECT ALL TREES WITHIN 50' OF ACTIVE CONSTRUCTION ZONES WITH WOODEN TREE GUARDS OR 4' RANGE FENCE FOR GROVES.
	DBH CRZ
	PROPOSED: PROPOSED PLAN LINEWORK
	TREE PROTECTION FENCE FOR GROVES
	TREE PROTECTION GUARD
	TREE TO BE REMOVED
	TREE ROOT ZONE PROTECTION MATS COVERING CRZ WITH 6" DEEP WOODCHIP LAYER
	AREA WITHIN CRITICAL ROOT ZONE (CRZ) SHALL BE HAND AND/OR PNEUMATIC EXCAVATED
	EXTENTS OF RAIN GARDEN EXCAVATION

TOTAL TREES TO BE REMOVED FOR ALL WORK AREAS:
DBH LESS THAN OR EQUAL TO 6" = 11
DBH GREATER THAN 6" = 46

Project:
Teatown Lake Reservation
 1600 SPRING VALLEY RD.
 OSSINING, NY, 10562

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Owner:
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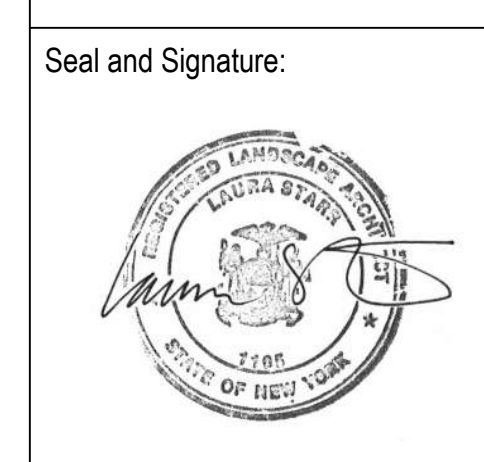
Lighting Designer
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 108 EAST 16TH ST, 6TH FLOOR
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SM&W
 275 MADISON AVE, 14TH FLOOR
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Date: 10/4/24
 Issue: For planning board review

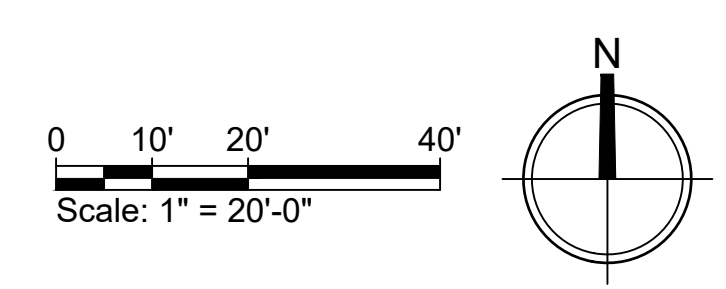


Sheet Title:
TREE REMOVAL AND PROTECTION PLAN - BLINN ROAD ACCESS

Date: 2 July, 2024
 Project No: 1023
 Dwg By: YT, RS
 Check By: GWL

SP-6.01

Pg No: **XX OF XXX**





TREE REMOVAL AND PROTECTION LEGEND

- EXISTING:**
- APPROXIMATE LOCATION OF SANITARY LINE
 - - - 100' WETLAND BUFFER
 - - - WETLAND BOUNDARY FLAGGED BY STEVE MARINO, TIM MILLER ASSOCIATES BY AUGUST 11, 2023
 - EXISTING STONE RETAINING WALL
 - STONE MASONRY RETAINING WALL
 - ROCK OUTCROP
 - EXISTING DRAIN
 - OVERHEAD ELECTRICAL WIRE
 - EXISTING DEER ENCLOSURE FENCE TO REMAIN
 - EXISTING WOODEN FENCE OR SPLIT RAIL
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - RAILROAD TIE CURB
 - EXISTING DRAIN INLET
 - WELL
 - EXISTING GUY WIRE
 - EXISTING UTILITY POLE
 - EXISTING SIGN
 - EXISTING LIGHT POLE
 - SEWER PUMP
 - MANHOLE COVER
- PROPOSED:**
- PROPOSED PLAN LINework
 - TREE PROTECTION FENCE FOR GROVES
 - TREE PROTECTION GUARD
 - TREE TO BE REMOVED
 - TREE ROOT ZONE PROTECTION MATS COVERING CRZ WITH 6" DEEP WOODCHIP LAYER
 - AREA WITHIN CRITICAL ROOT ZONE (CRZ) SHALL BE HAND AND/OR PNEUMATIC EXCAVATED
 - EXTENTS OF RAIN GARDEN EXCAVATION

TOTAL TREES TO BE REMOVED FOR ALL WORK AREAS:
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DBH GREATER THAN 6" = 46

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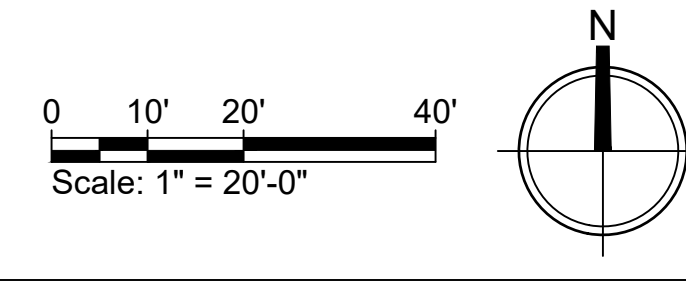
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Sheet Title:
TREE REMOVAL AND PROTECTION PLAN - MAIN CAMPUS

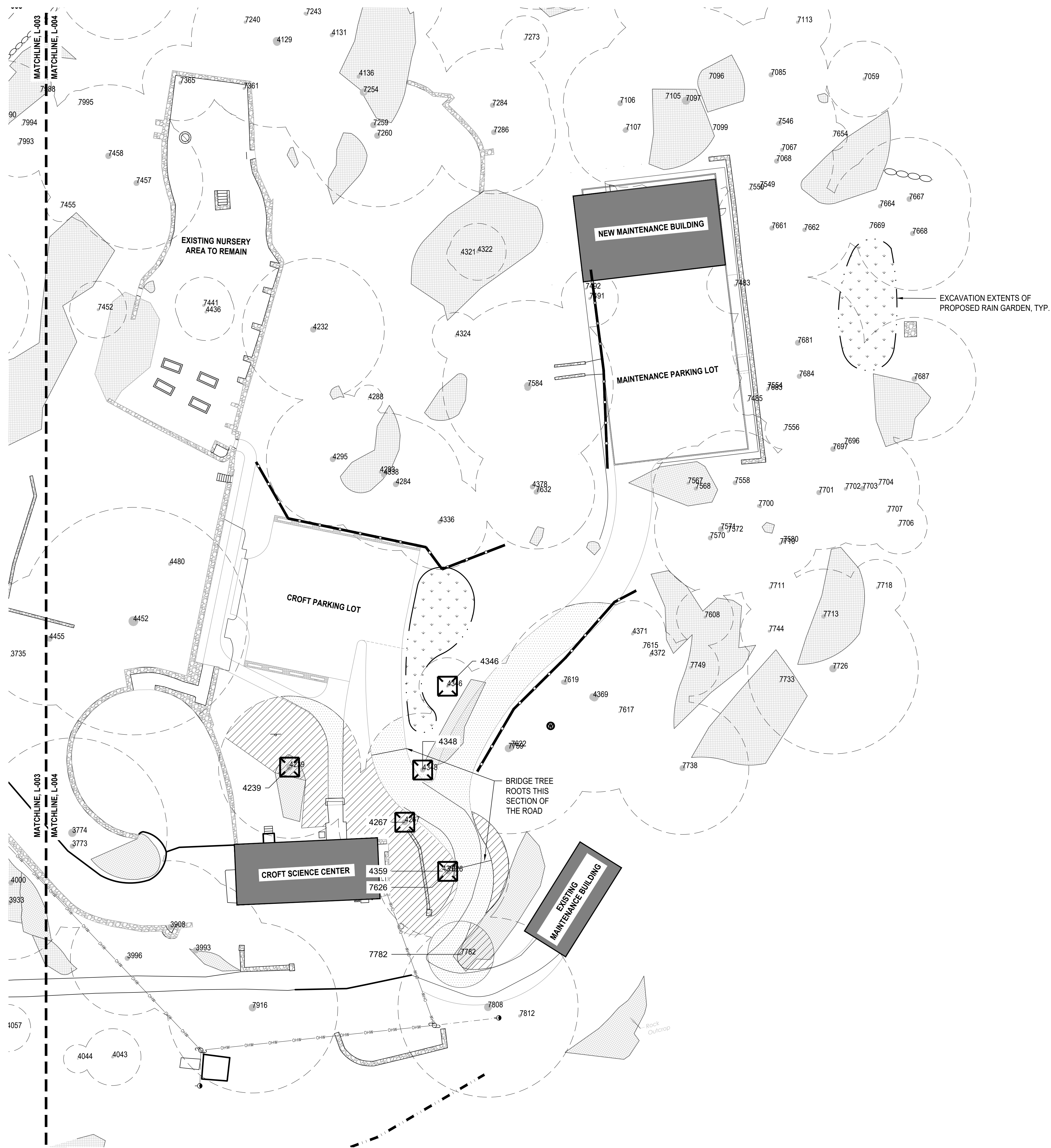
Date: 2 July, 2024
 Project No: 1023
 Dwg By: Y.T. RS
 Check By: GWL

SP-6.02

Pg No: **XX OF XXX**



1" = 20'



TREE REMOVAL AND PROTECTION LEGEND

	EXISTING: APPROXIMATE LOCATION OF SANITARY LINE
	100' WETLAND BUFFER
	WETLAND BOUNDARY FLAGGED BY STEVE MARINO, TIM MILLER ASSOCIATES BY AUGUST 11, 2023
	EXISTING STONE RETAINING WALL
	STONE MASONRY RETAINING WALL
	ROCK OUTCROP
	EXISTING DRAIN
	OVERHEAD ELECTRICAL WIRE
	EXISTING DEER ENCLOSURE FENCE TO REMAIN
	EXISTING WOODEN FENCE OR SPLIT RAIL
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	RAILROAD TIE CURB
	EXISTING DRAIN INLET
	WELL
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	SEWER PUMP
	MANHOLE COVER
	EXISTING TREE TO REMAIN. NO STAGING, FILL OR EXCAVATION IN CRITICAL ROOT ZONES (CRZ) PROTECT ALL TREES WITHIN 50' OF ACTIVE CONSTRUCTION ZONES WITH WOODEN TREE GUARDS OR 4" RANGE FENCE FOR GROVES.
	DBH CRZ
	PROPOSED: PROPOSED PLAN LINEWORK
	TREE PROTECTION FENCE FOR GROVES
	TREE PROTECTION GUARD
	TREE TO BE REMOVED
	TREE ROOT ZONE PROTECTION MATS COVERING CRZ WITH 6" DEEP WOODCHIP LAYER
	AREA WITHIN CRITICAL ROOT ZONE (CRZ) SHALL BE HAND AND/OR PNEUMATIC EXCAVATED
	EXTENTS OF RAIN GARDEN EXCAVATION

TOTAL TREES TO BE REMOVED FOR ALL WORK AREAS:
NO MORE THAN OR EQUAL TO 41

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Date Issue
 10/4/24 For planning board review

Seal and Signature:

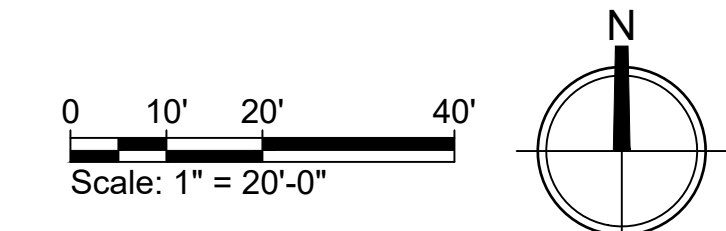
Sheet Title:
TREE REMOVAL AND PROTECTION PLAN - MAINTENANCE GARAGE

Date: 2 July, 2024
 Project No: 1023
 Dwg By: YT, RS
 Check By: GWL

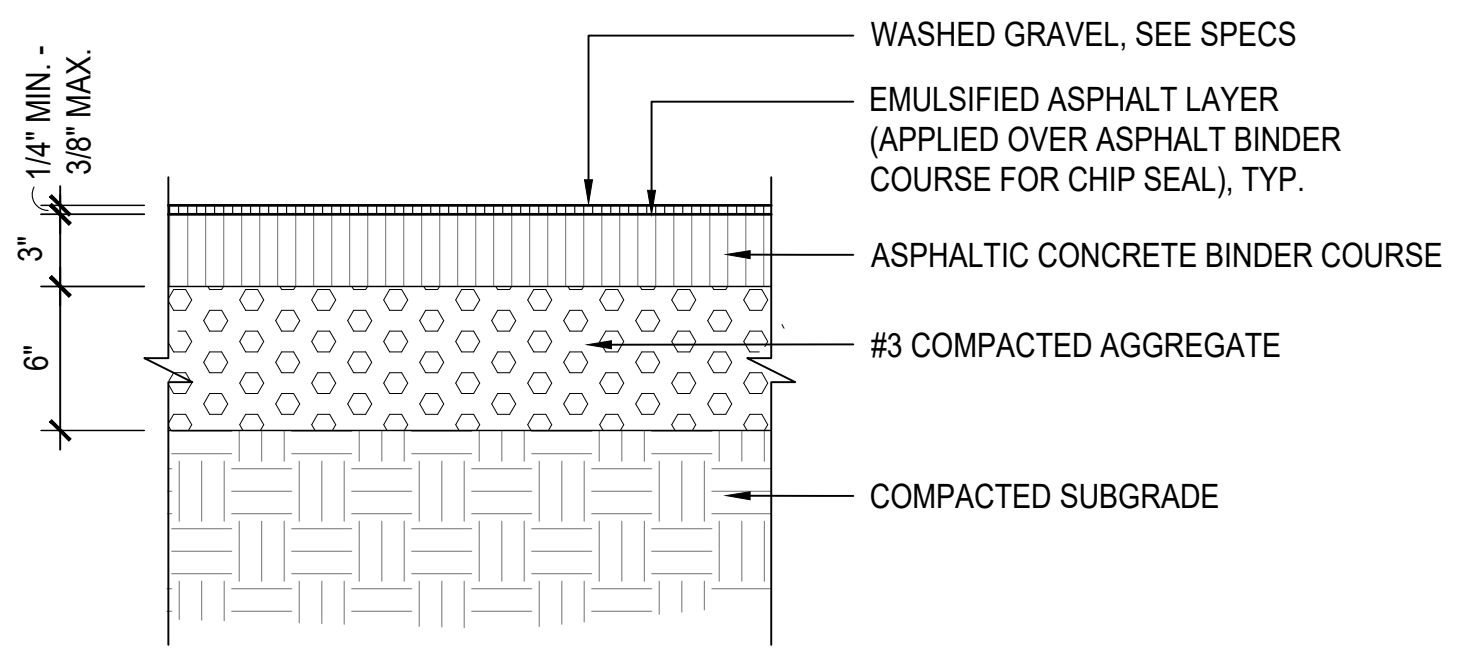
SP-6.04
 Pg No: XX OF XXX

1 TREE REMOVAL AND PROTECTION PLAN 4 OF 4

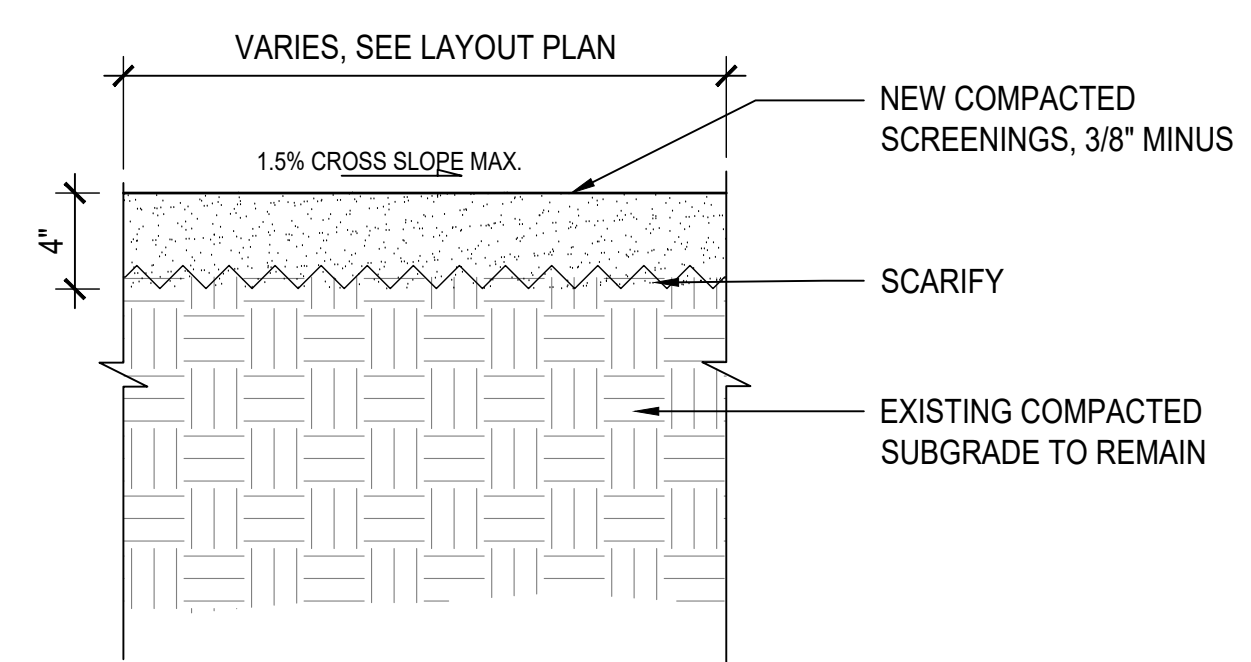
1" = 20'



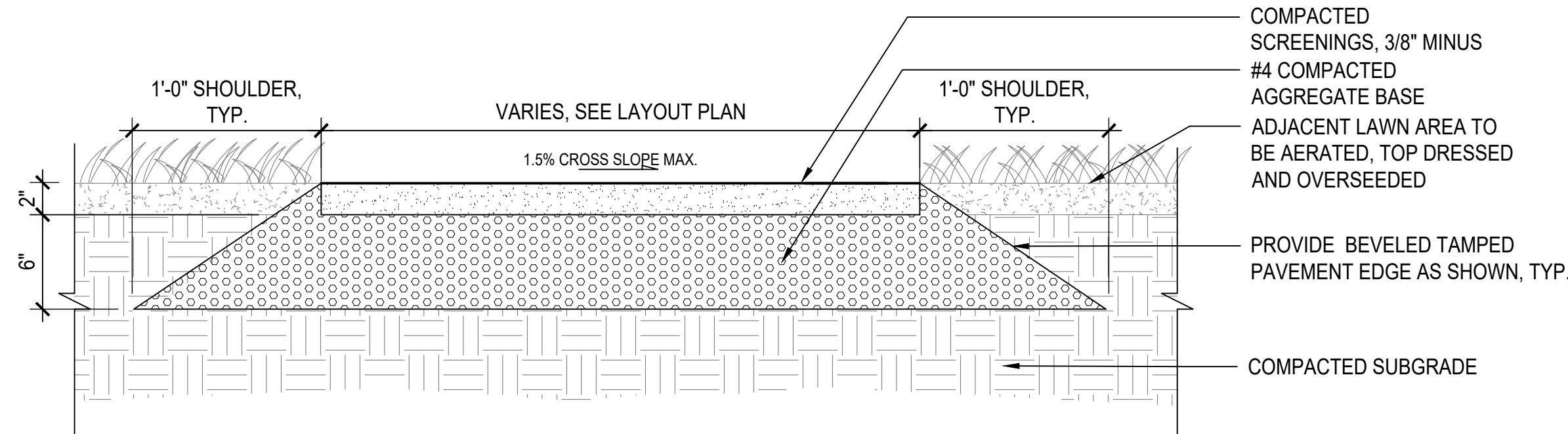
- NOTES:**
- CONTRACTOR SHALL INSTALL SURFACE AGGREGATE IN SINGLE COURSE AS SHOWN, WITH FINAL IN PLACE COMPACTED DEPTH OF 1/4" MIN. - 3/8" MAX.
 - PROVIDE FLUSH AND SMOOTH TRANSITION WHERE CHIP SEAL MEETS ADJACENT SURFACES
 - PROVIDE MOCK UP FOR DIRECTOR'S REPRESENTATIVE APPROVAL.
 - PROTECT ADJACENT SURFACES WITH PLASTIC SHEETING BEFORE PLACING EMULSIFIED ASPHALT LAYER
 - BINDER COURSE AND SUBBASE MATERIALS TO MATCH ROADWAY PLANS FO ASPHALT PAVEMENT.



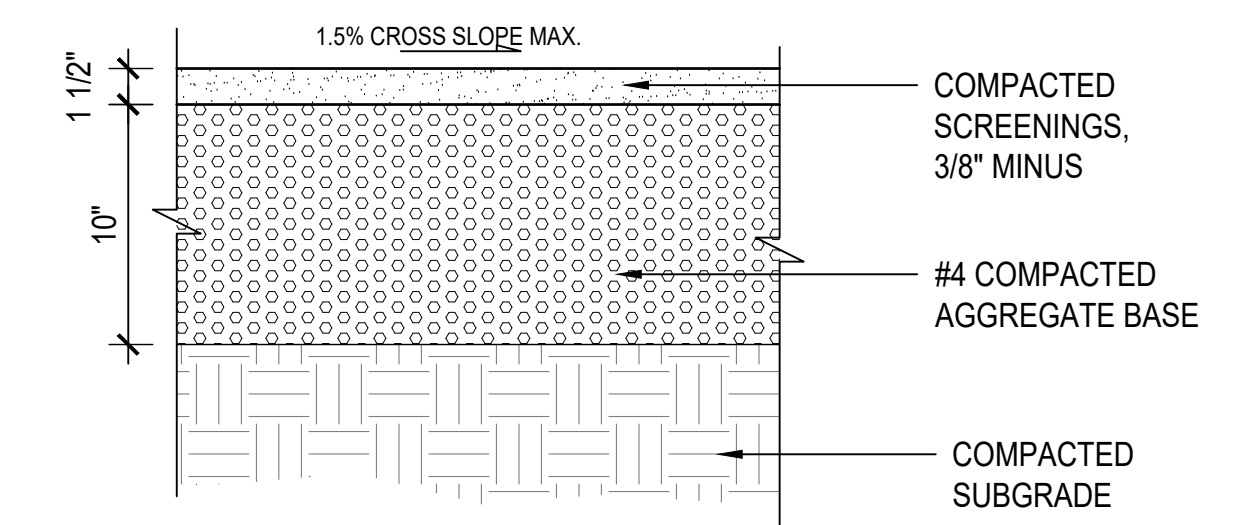
1 FULL DEPTH ASPHALT WITH CHIP SEAL SURFACE 1 1/2" = 1'-0"



2 RESURFACED TOP COURSE 1 1/2" = 1'-0"

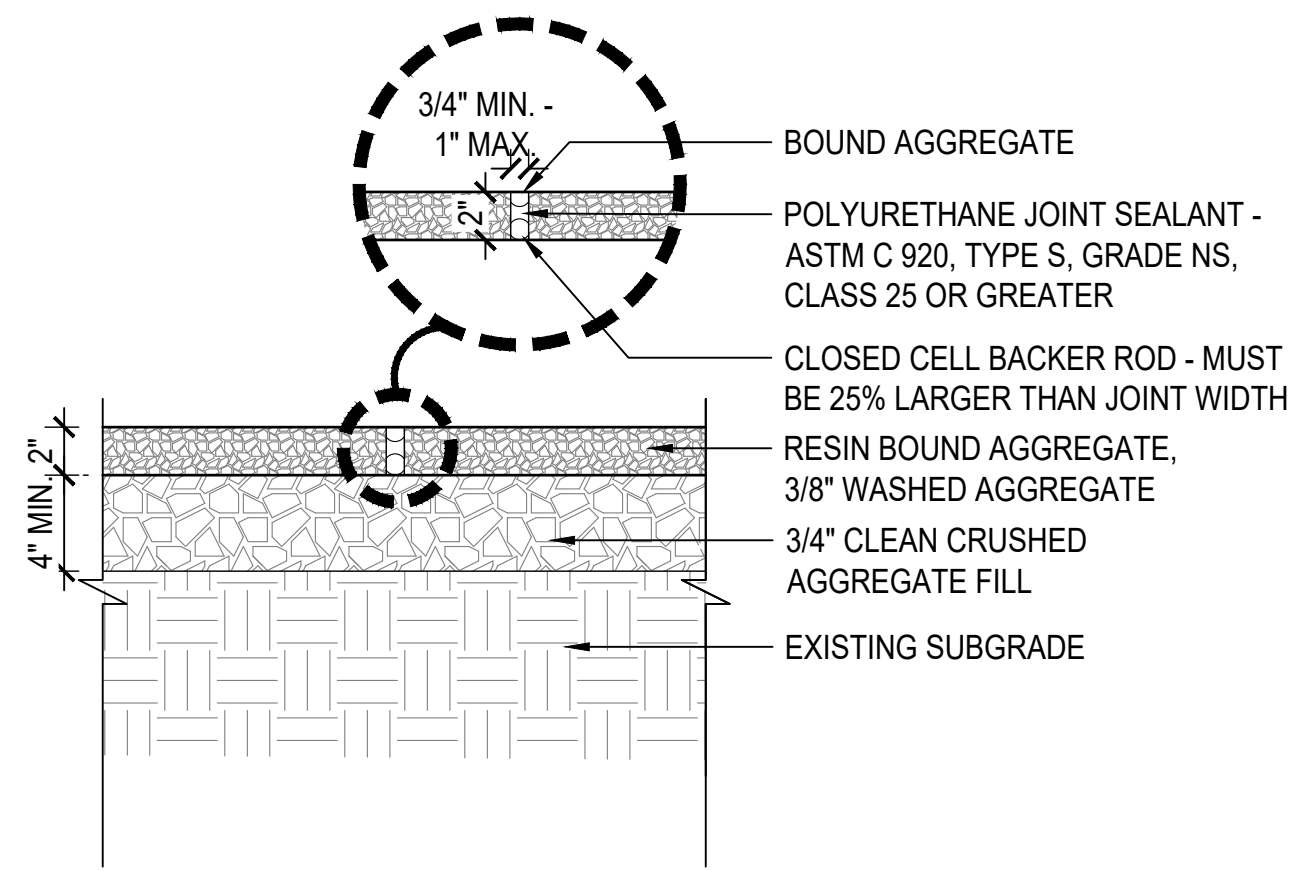


3 CRUSHED STONE PAVING (MULTI-USE) 1 1/2" = 1'-0"



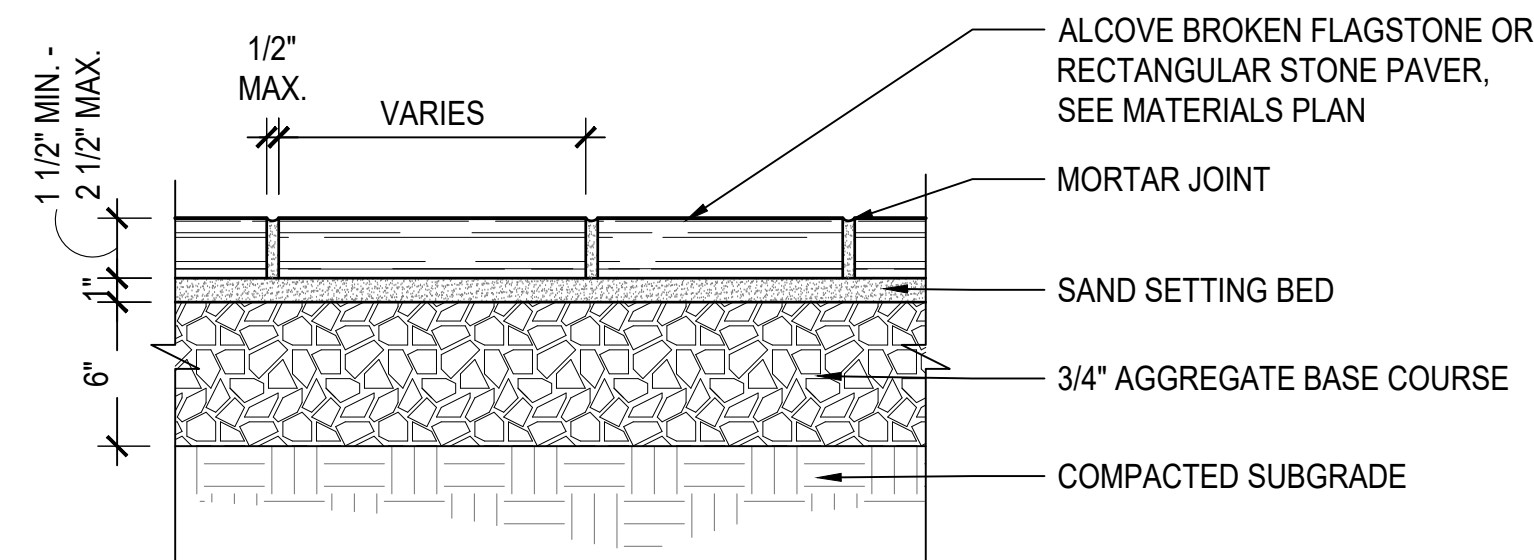
4 CRUSHED STONE PAVING (VEHICULAR) 1 1/2" = 1'-0"

- NOTES:**
- PROVIDE FLUSH AND SMOOTH TRANSITION WHERE RESIN BOUND AGGREGATE MEETS ADJACENT SURFACES.
 - REFER TO LAYOUT PLAN FOR JOINT PATTERN.



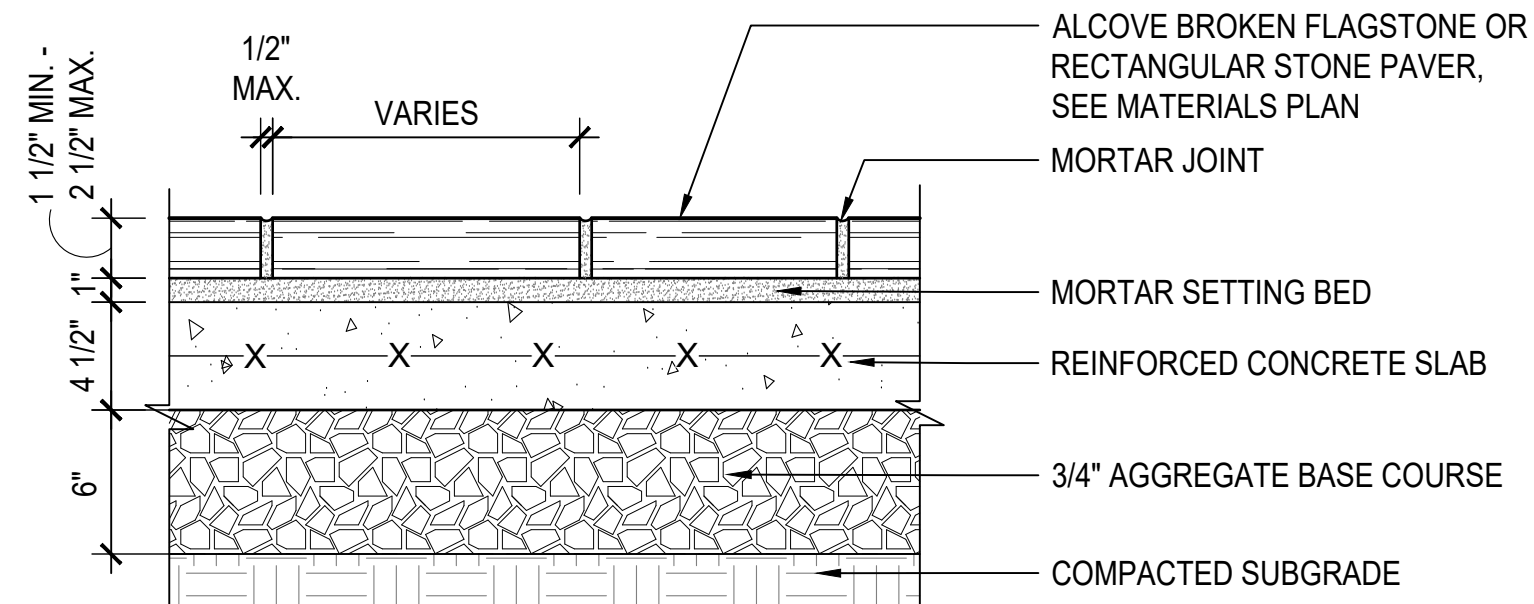
5 RESIN BOUND AGGREGATE 1 1/2" = 1'-0"

- NOTE:**
 IRREGULAR: ALCOVE BROKEN FLAGSTONE STANDARD PATTERN BY NY QUARRIES.
 CUT STONE: RECTANGULAR GRANITE AND ALCOVE STONE PAVING IN NOMINAL 6 IN. STANDARD SIZES FROM NY QUARRIES.
 PATTERN TO BE PROVIDED BY LANDSCAPE ARCHITECT.

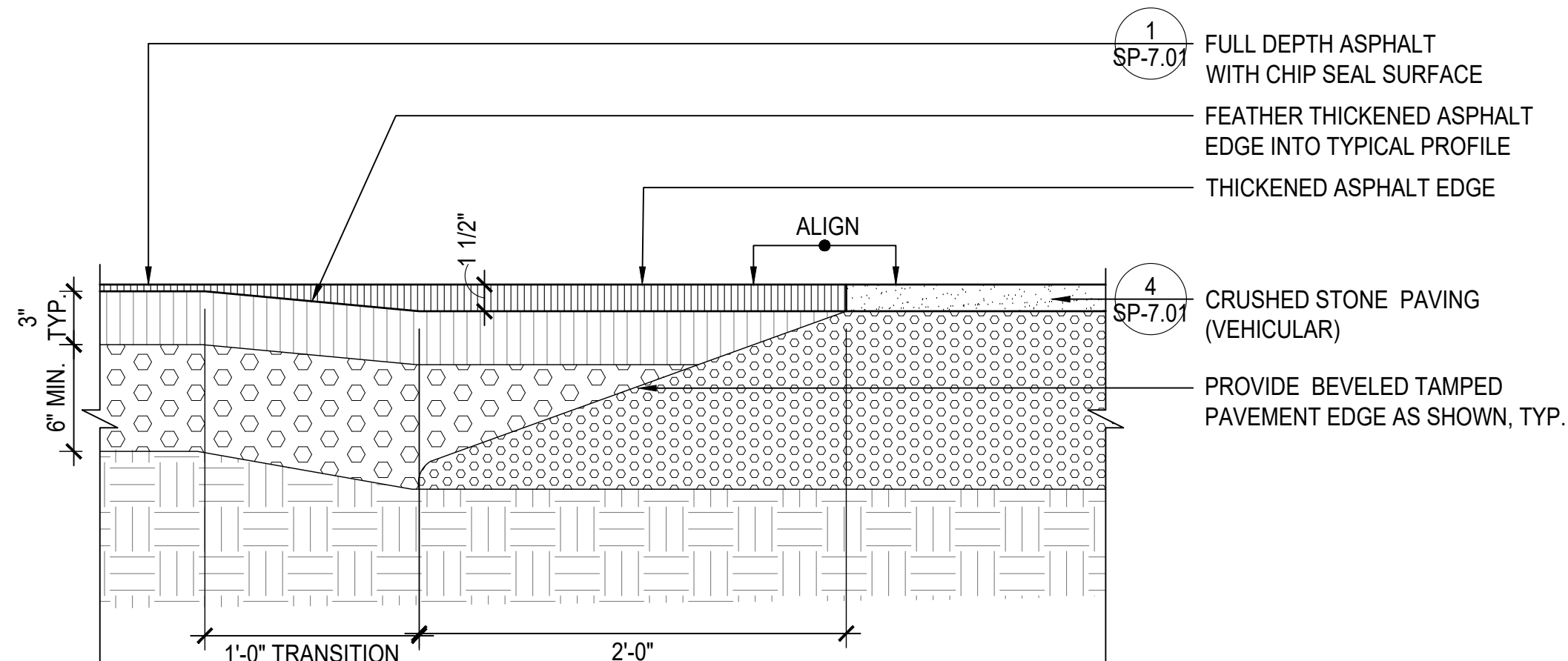


6 STONE PAVEMENT ON AGGREGATE BASE 1 1/2" = 1'-0"

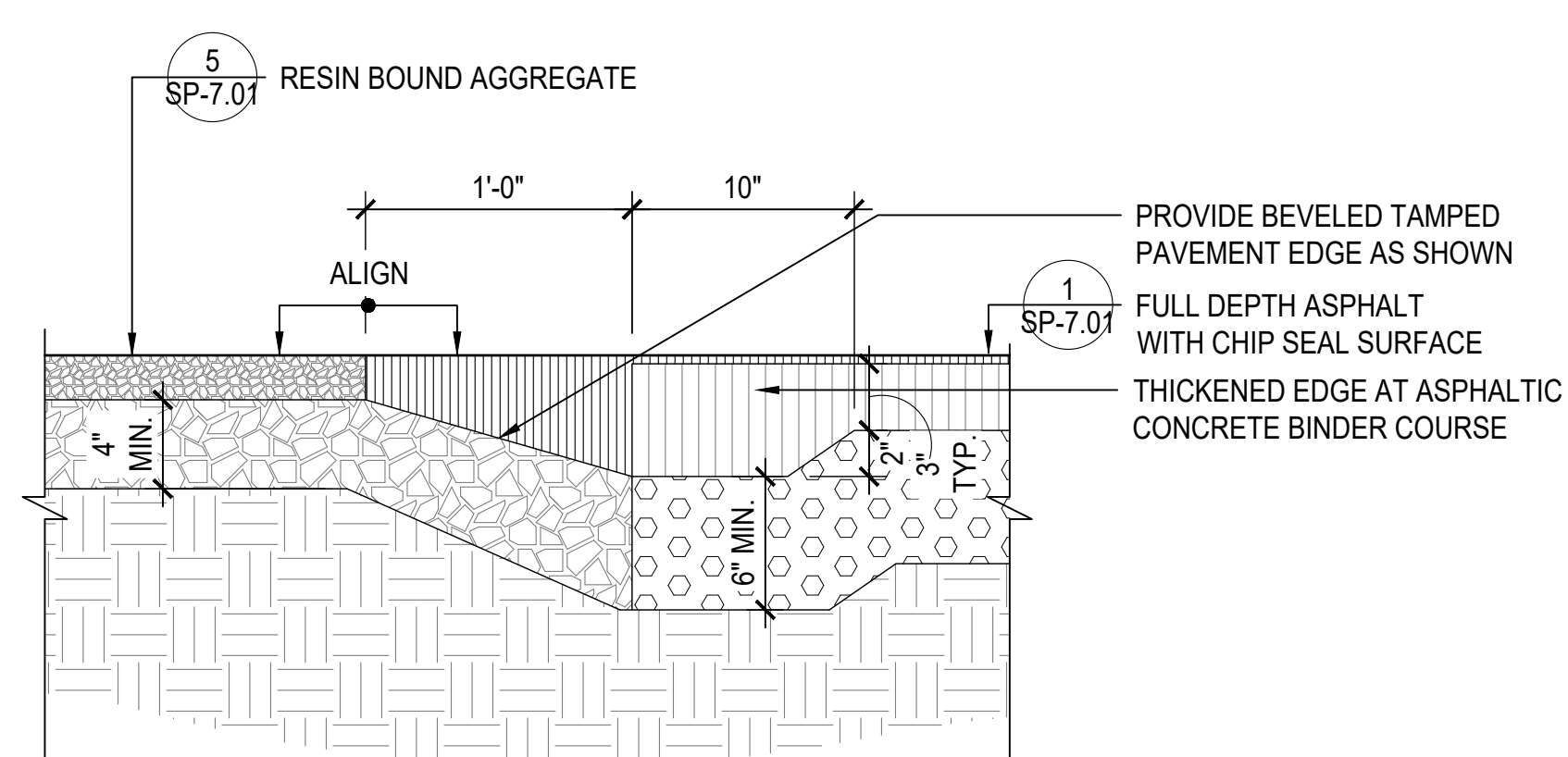
- NOTE:**
 IRREGULAR: ALCOVE BROKEN FLAGSTONE STANDARD PATTERN BY NY QUARRIES.
 CUT STONE: RECTANGULAR GRANITE AND ALCOVE STONE PAVING IN NOMINAL 6 IN. STANDARD SIZES FROM NY QUARRIES.
 PATTERN TO BE PROVIDED BY LANDSCAPE ARCHITECT.



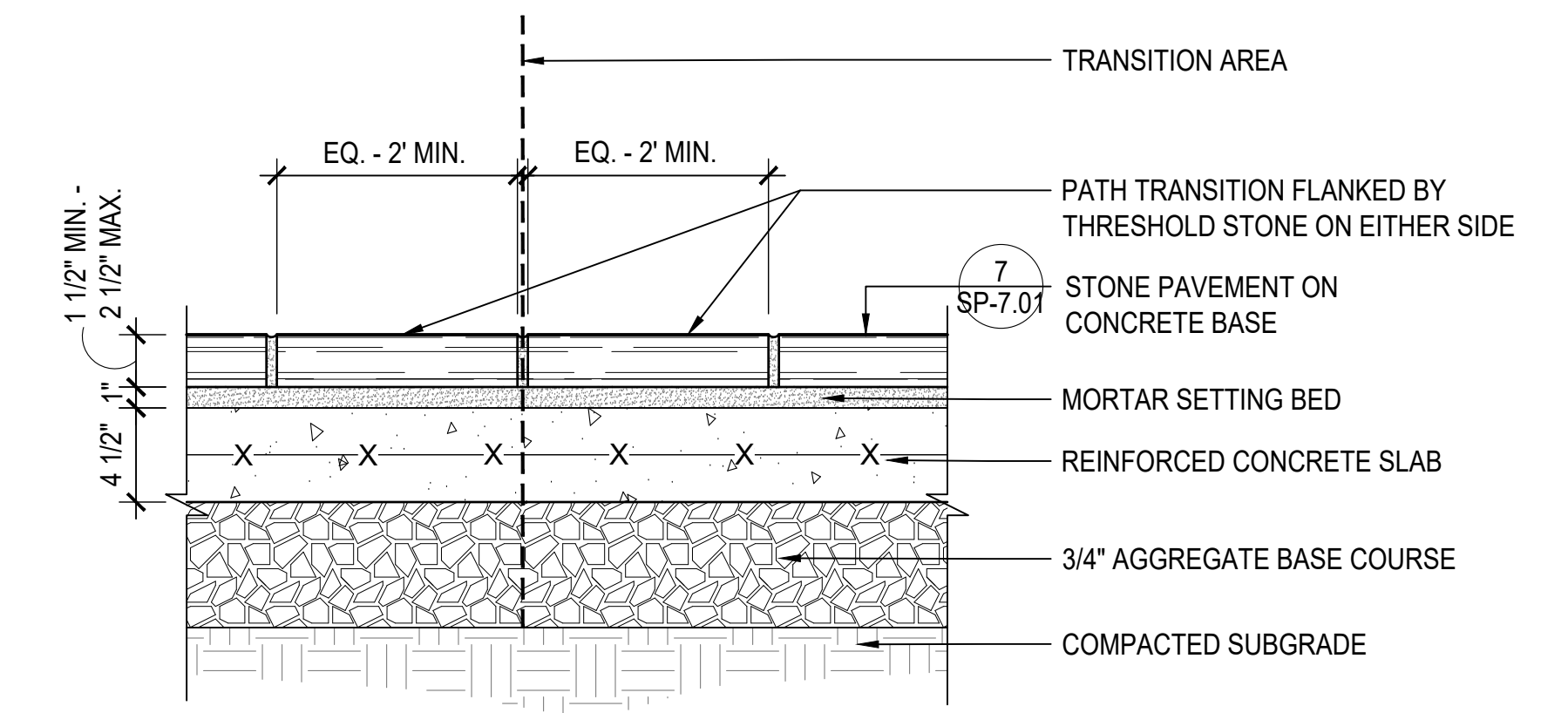
7 STONE PAVEMENT ON CONCRETE BASE 1 1/2" = 1'-0"



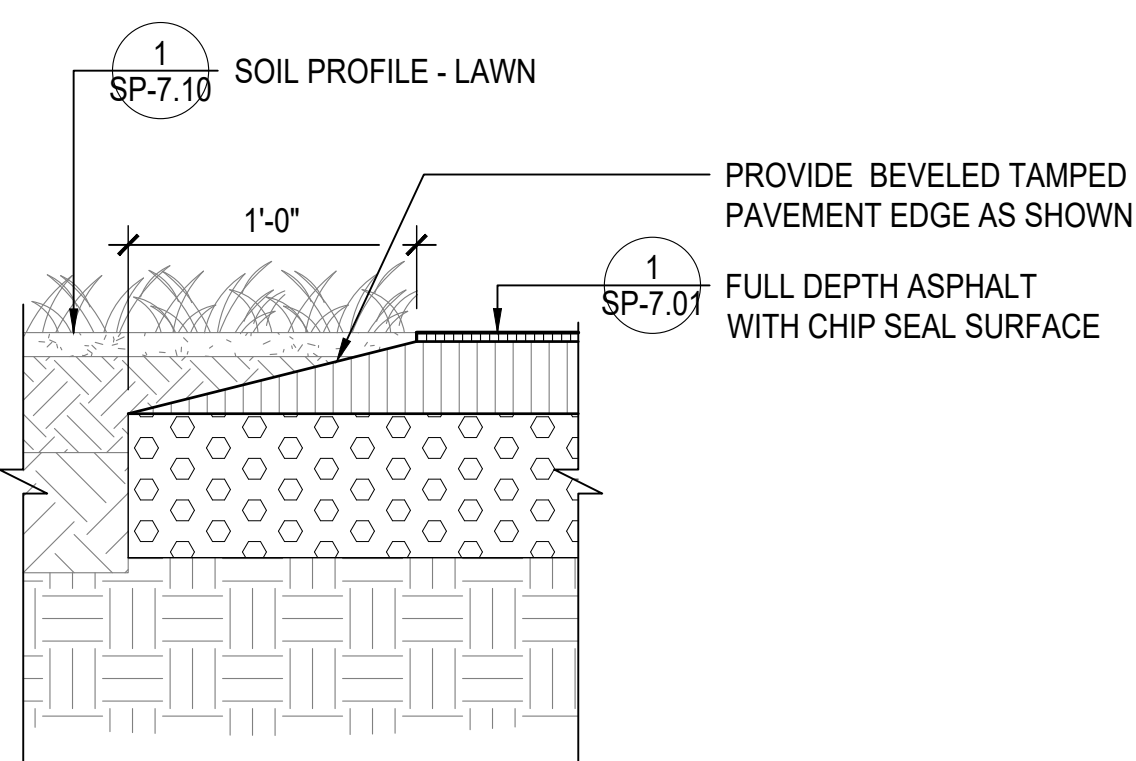
8 FULL-DEPTH ASPHALT WITH CHIP SEAL TO CRUSHED STONE (VEHICULAR) - TRANSITION 1 1/2" = 1'-0"



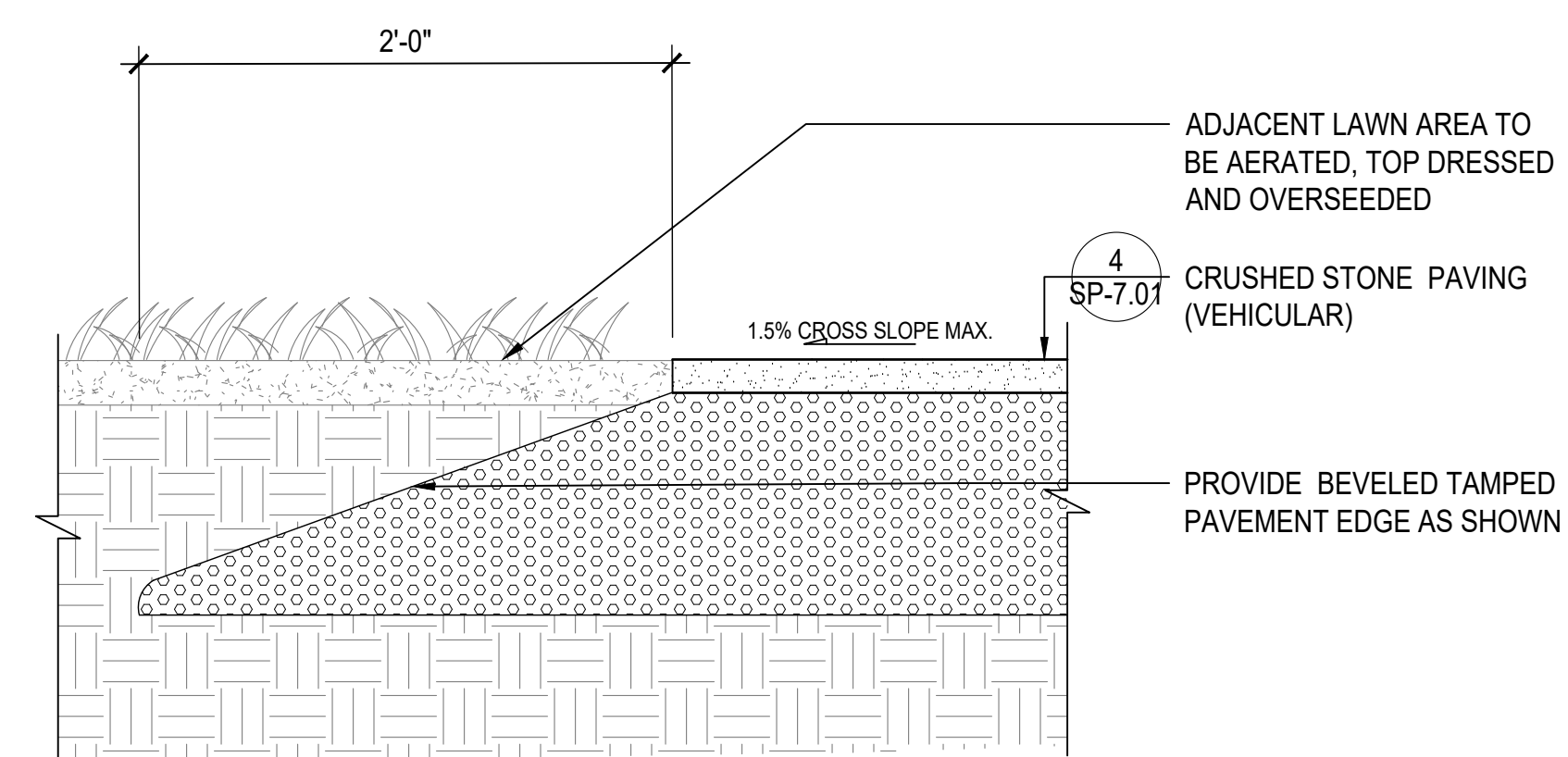
9 FULL-DEPTH ASPHALT WITH CHIP SEAL TO RESIN BOUND AGGREGATE - TRANSITION 1 1/2" = 1'-0"



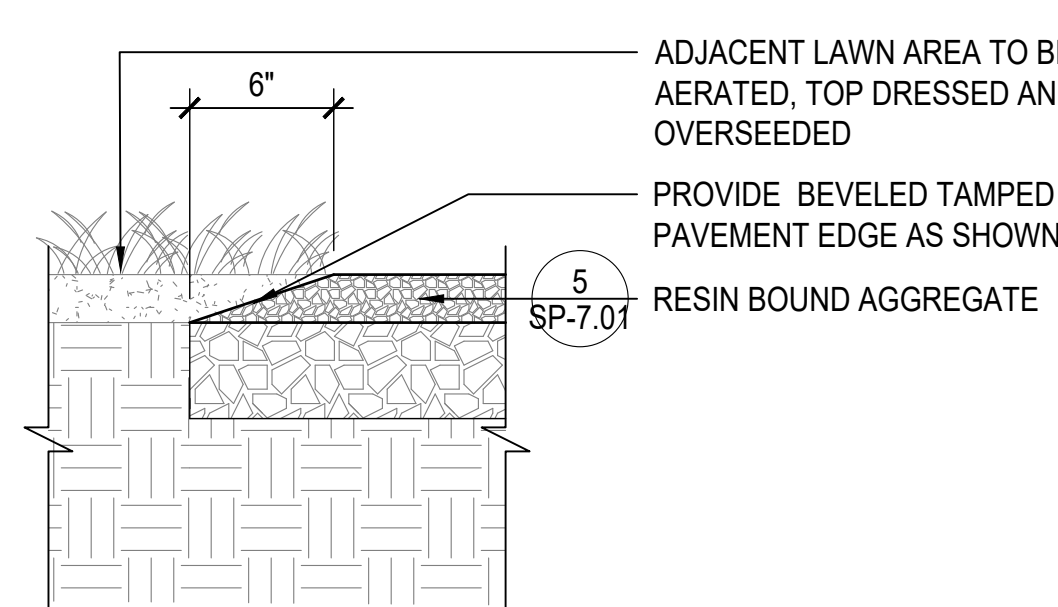
10 STONE PAVEMENT ON CONCRETE BASE - TRANSITION AREA 1 1/2" = 1'-0"



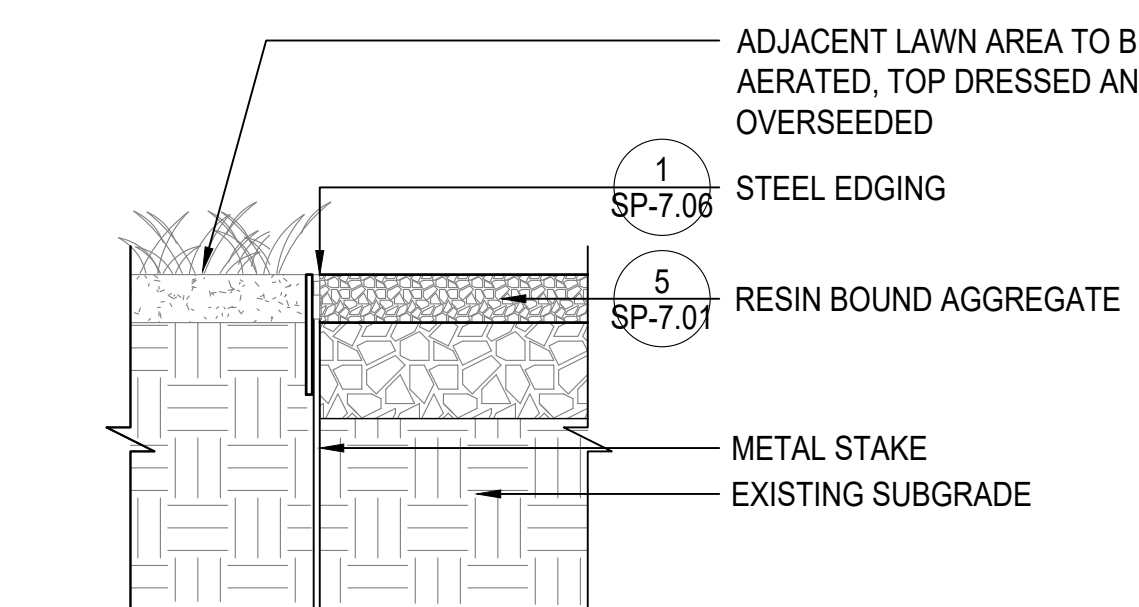
11 FULL DEPTH ASPHALT WITH CHIP SEAL SURFACE - TYPICAL EDGING 1 1/2" = 1'-0"



12 CRUSHED STONE (VEHICULAR) - TYPICAL EDGING 1 1/2" = 1'-0"



13 RESIN BOUND AGGREGATE - TYPICAL EDGING 1 1/2" = 1'-0"



14 RESIN BOUND AGGREGATE - STEEL EDGING 1 1/2" = 1'-0"

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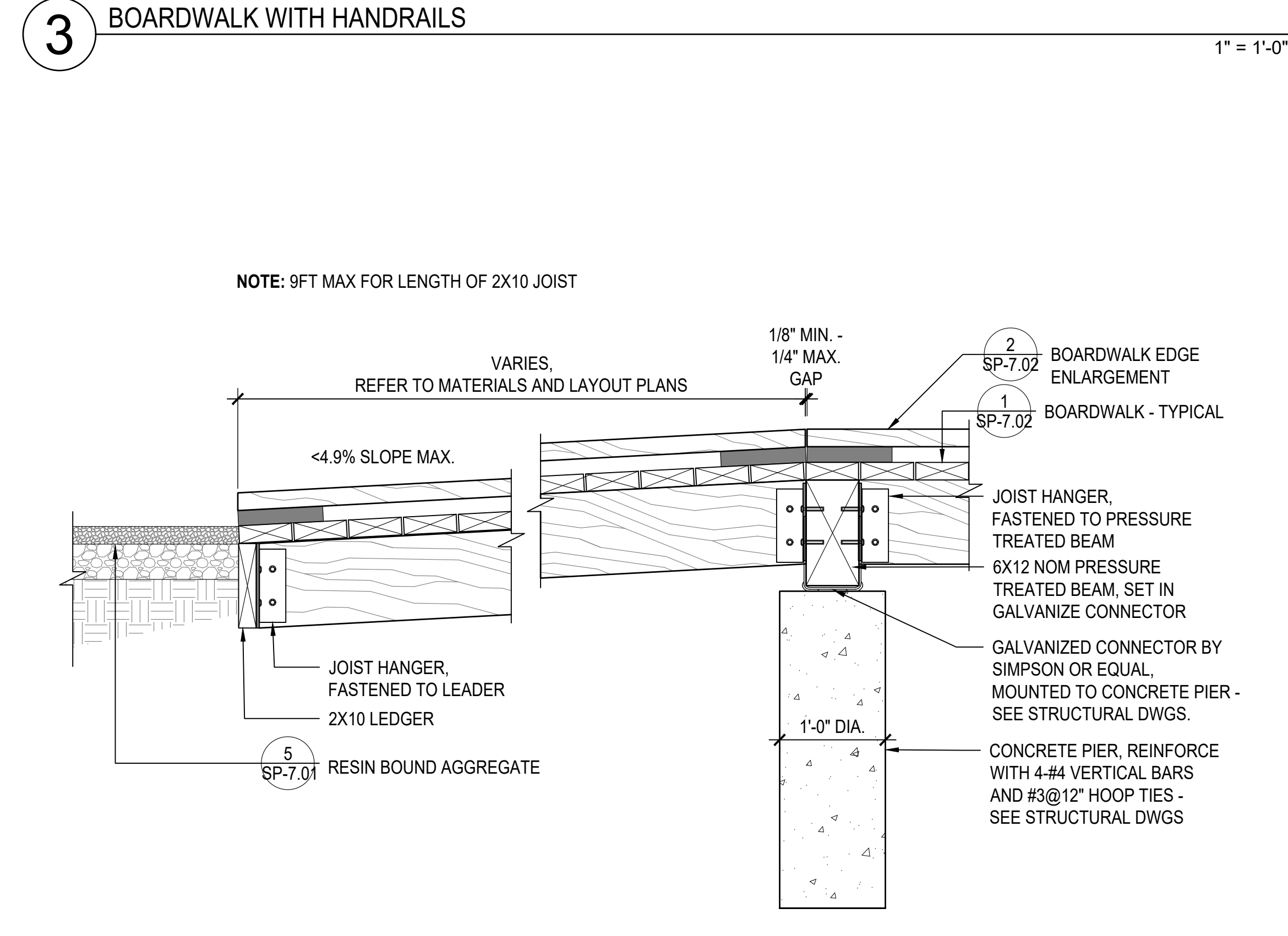
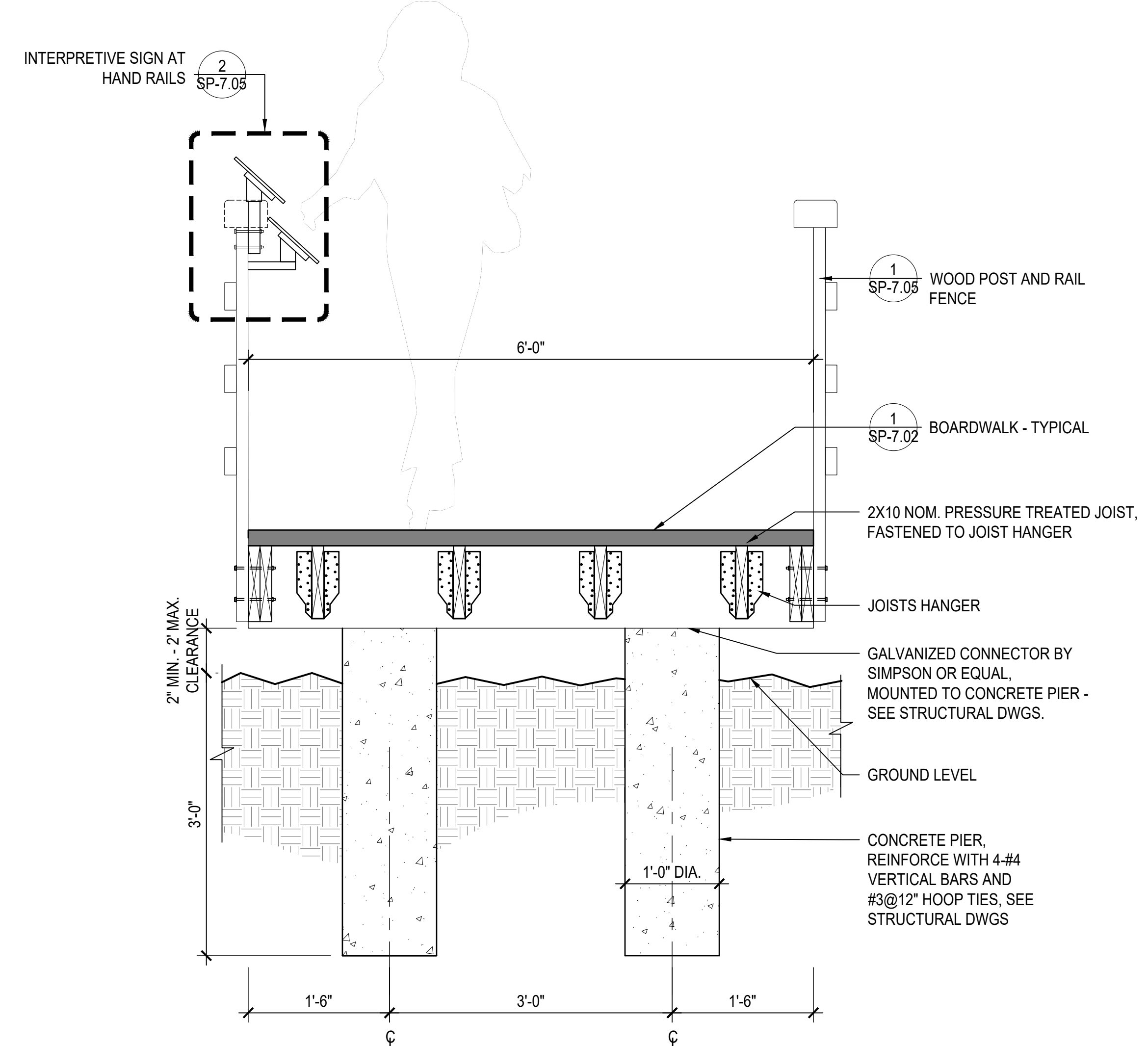
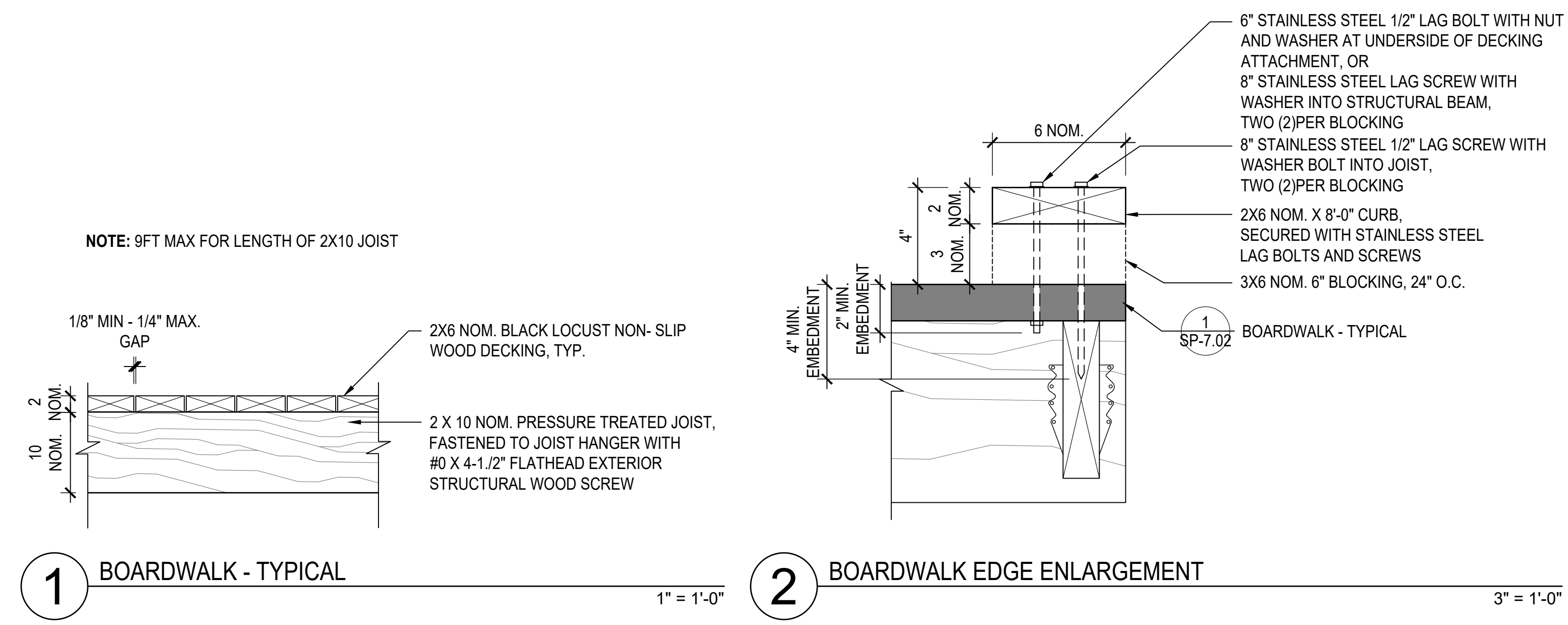
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Sheet Title:
SITE DETAILS - PAVING

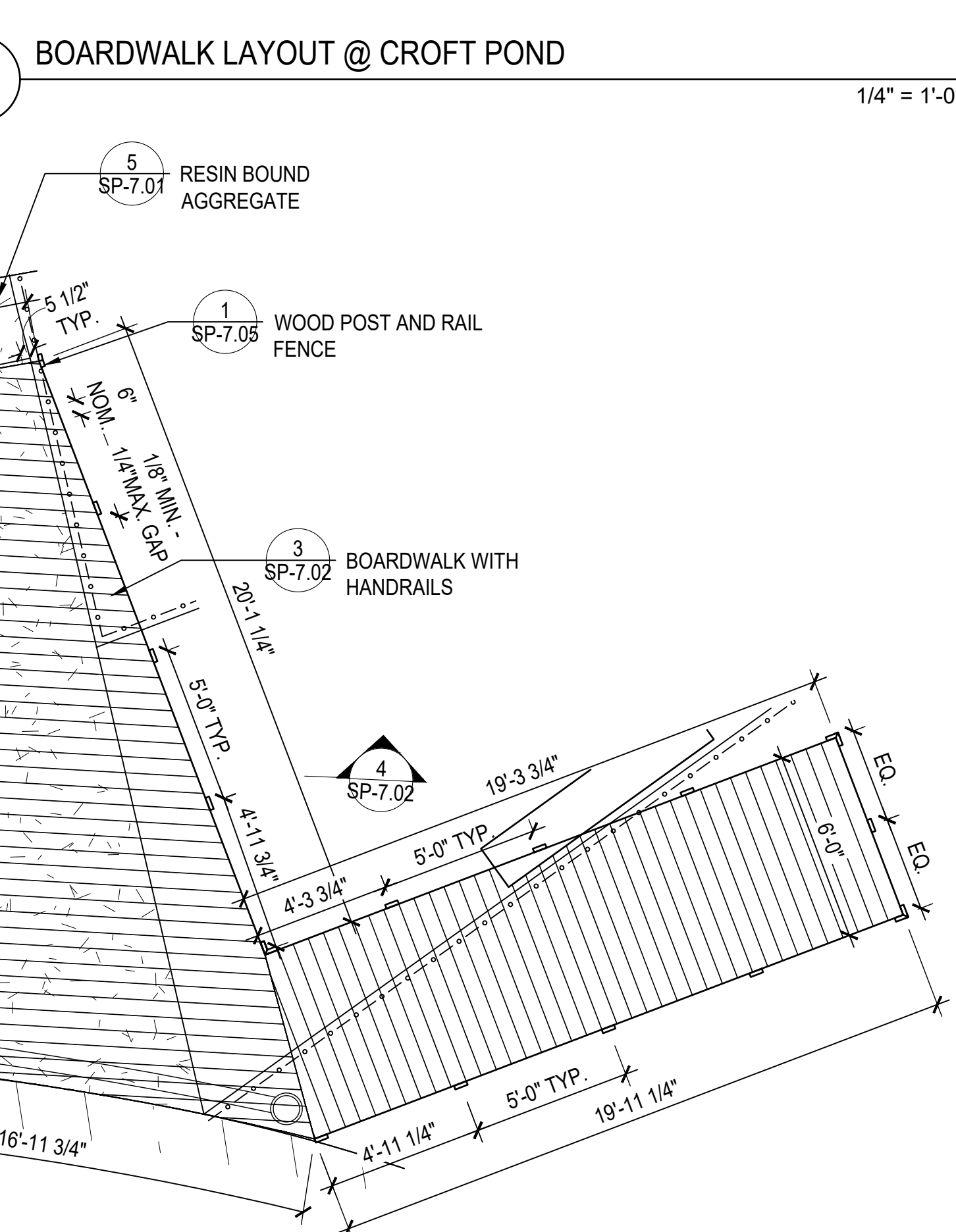
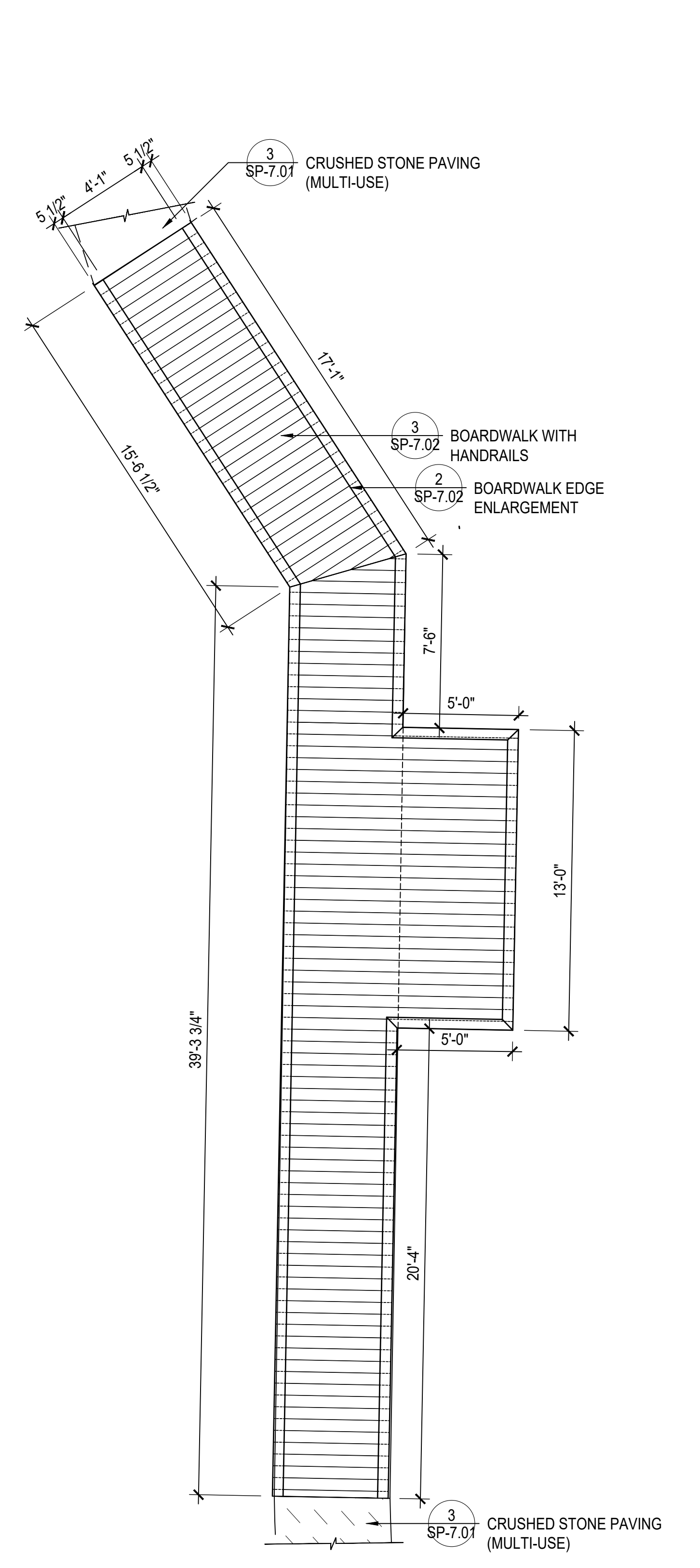
Date: 2 July, 2024
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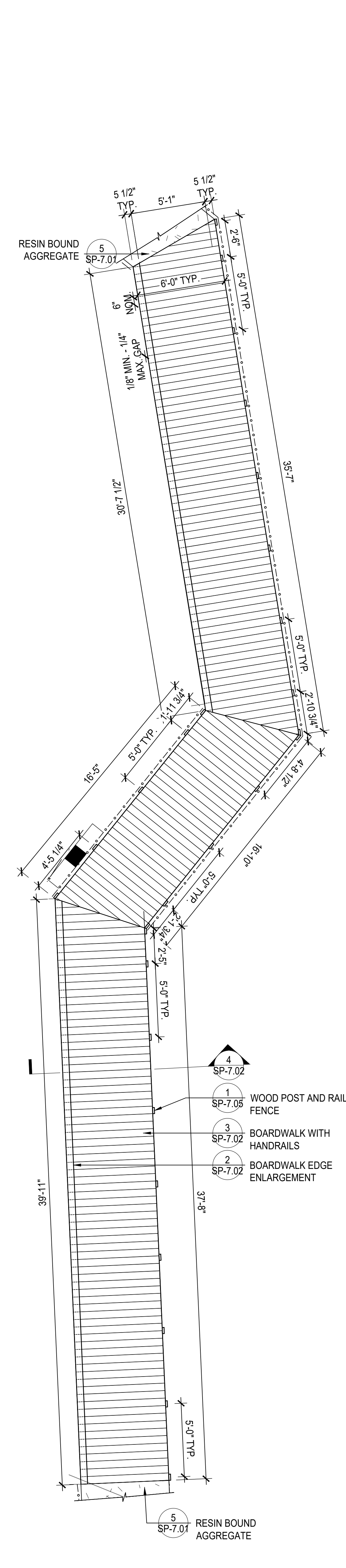
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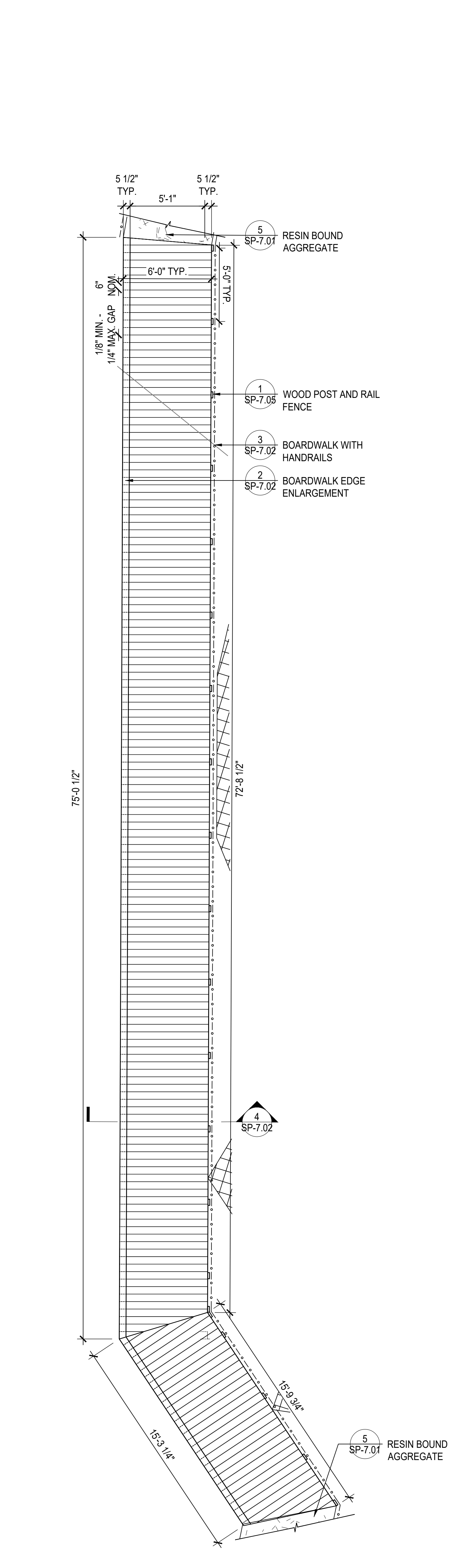
4 BOARDWALK WITH CURB 1" = 1'-0"



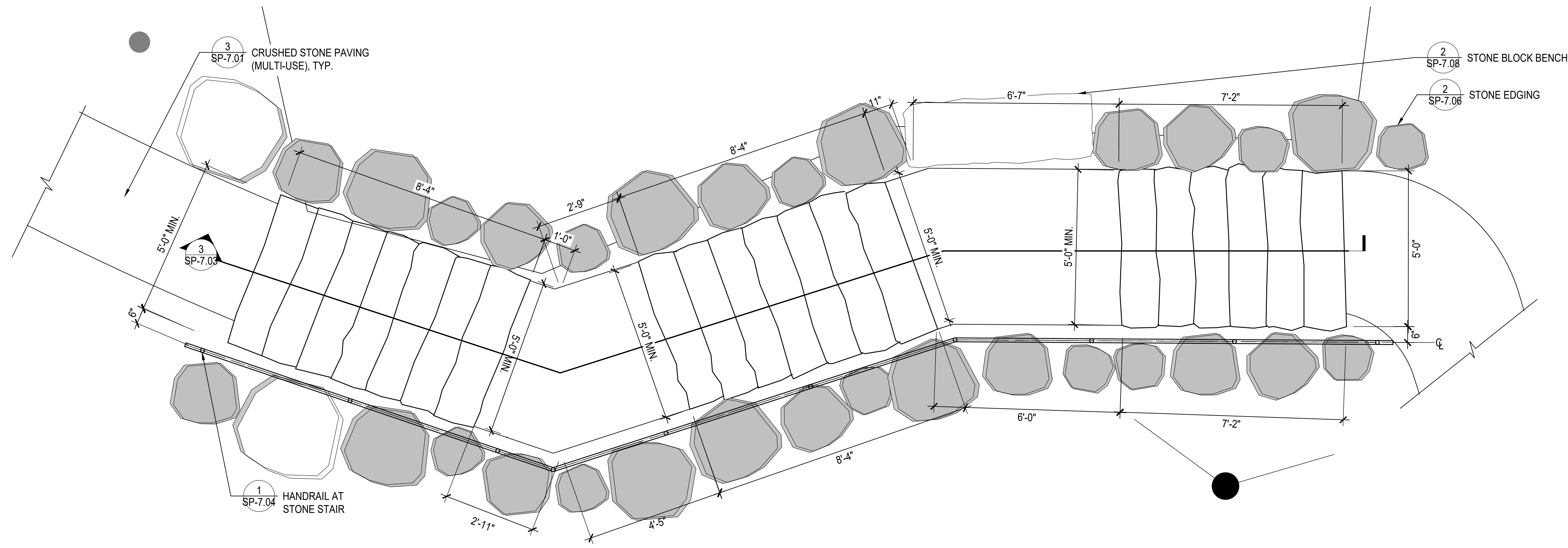
6 BOARDWALK LAYOUT @ MAMMAL ENCLOSURE 1/4" = 1'-0"



7 BOARDWALK LAYOUT @ RAPTOR LOOP I 1/4" = 1'-0"

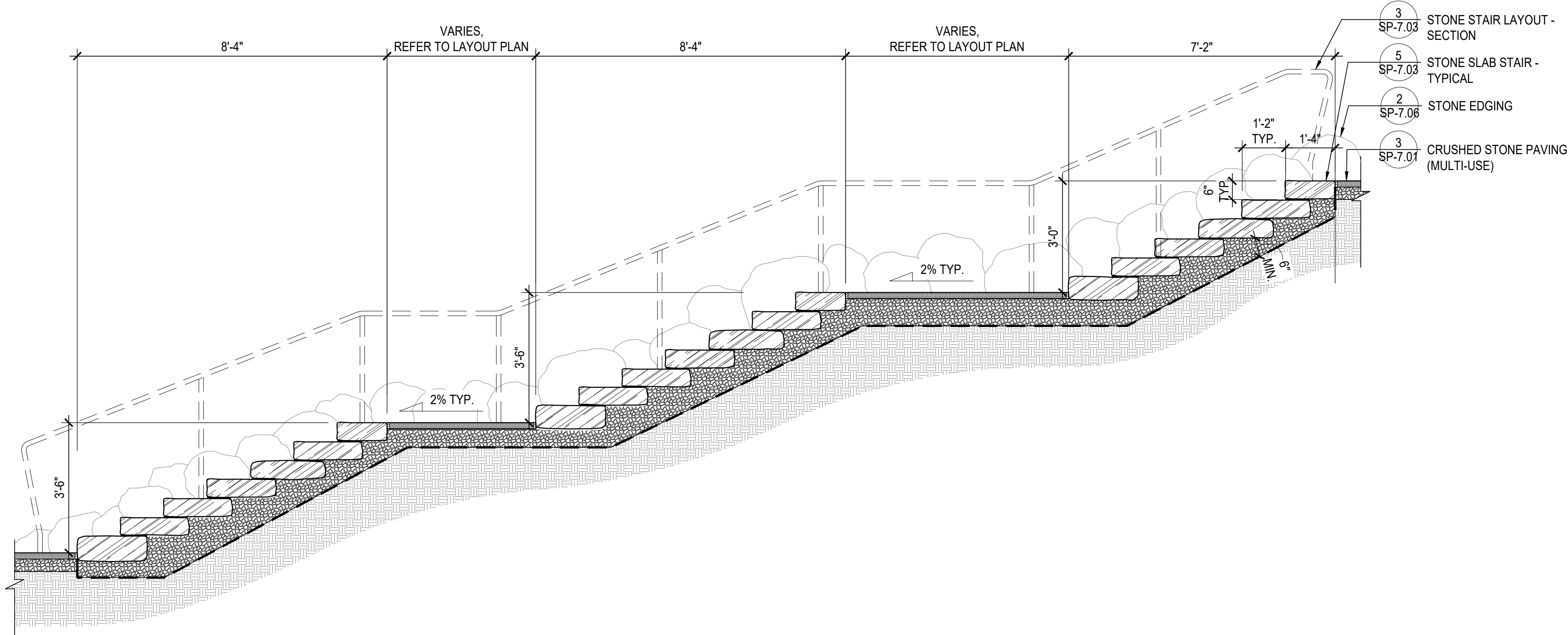


8 BOARDWALK LAYOUT @ RAPTOR LOOP II 1/4" = 1'-0"



1 STONE STAIR LAYOUT - PLAN

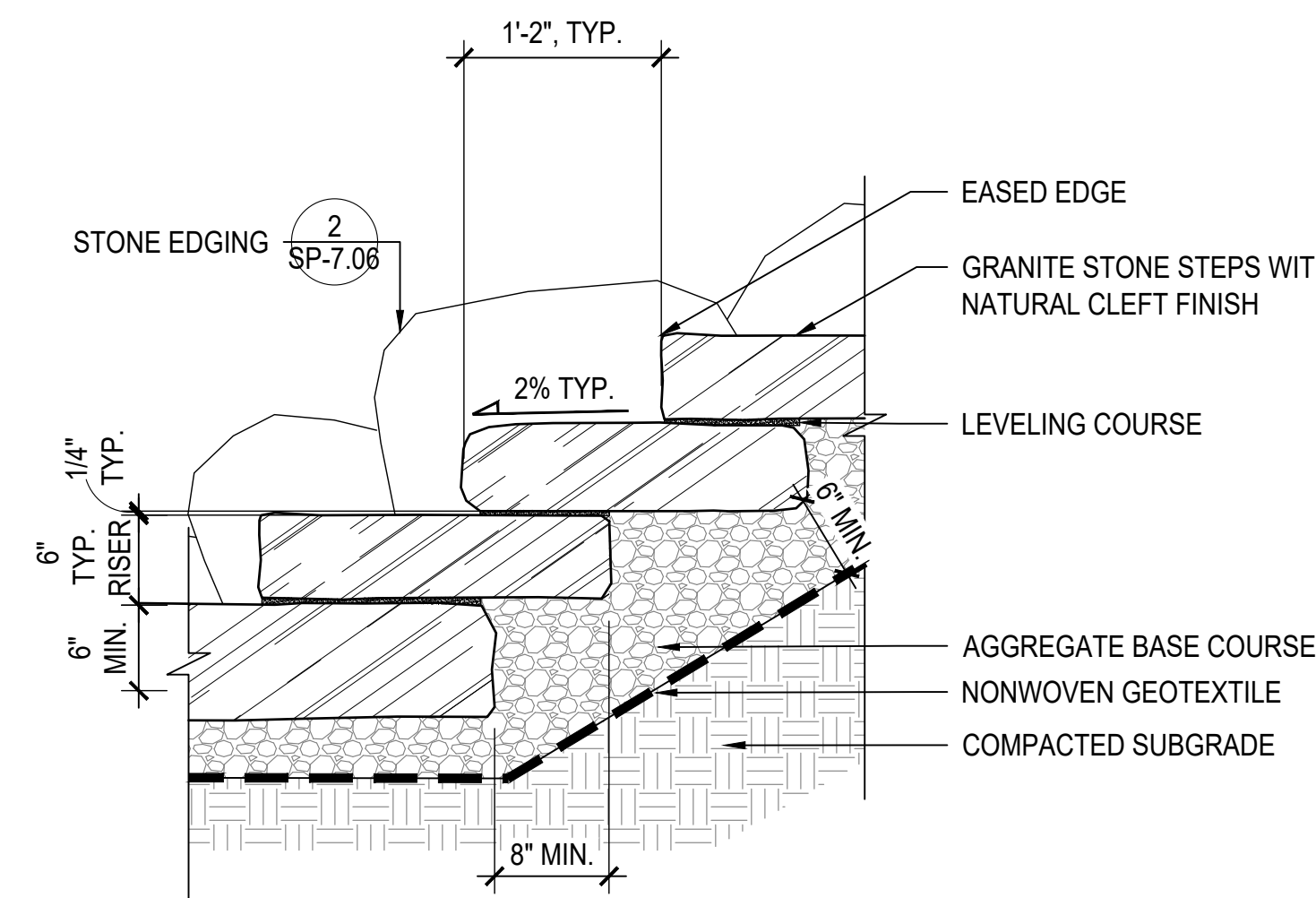
1/2" = 1'-0"



3 STONE STAIR LAYOUT - SECTION

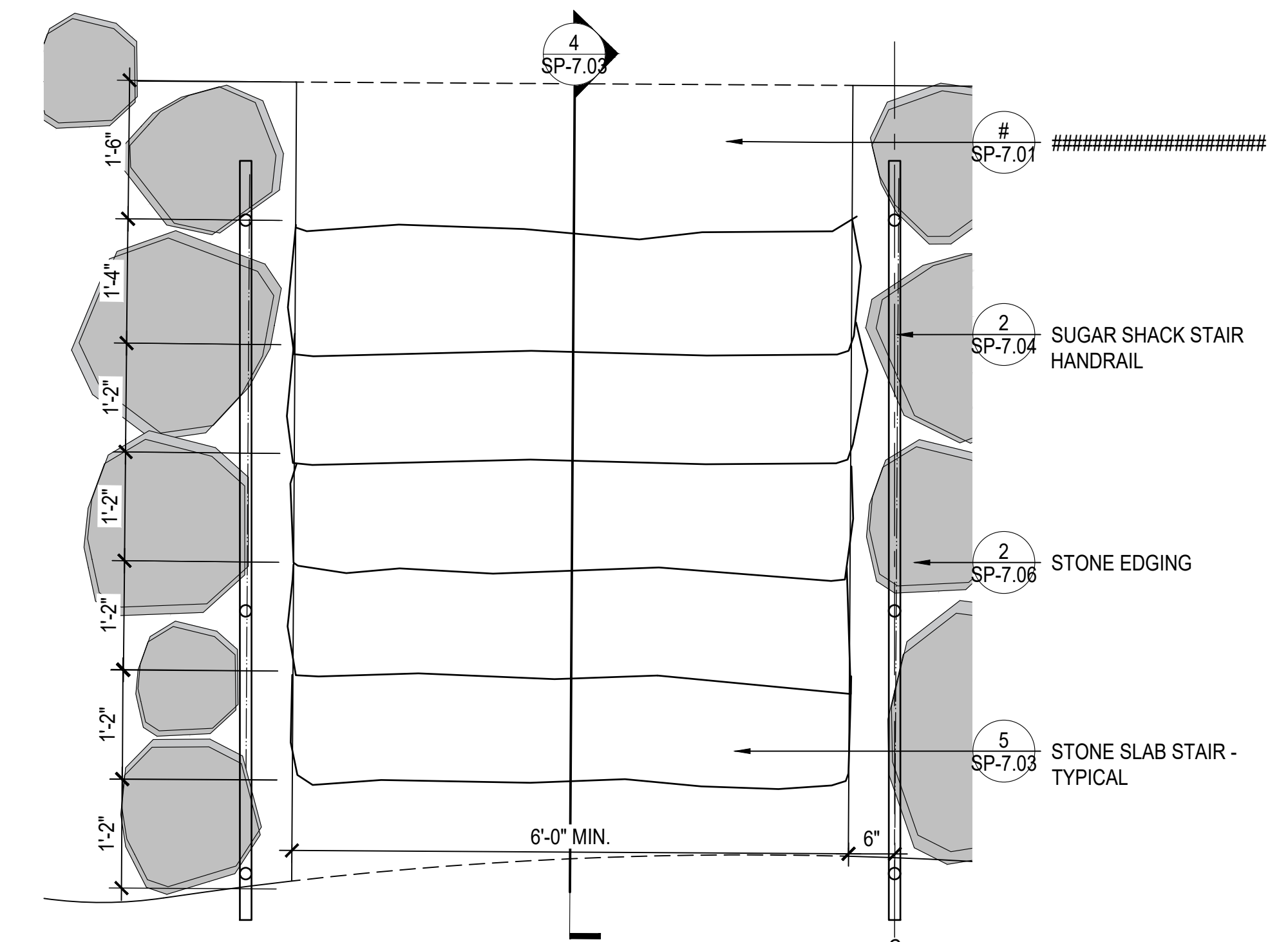
1/2" = 1'-0"

- NOTES:
1. REVIEW STONE LOCATIONS IN FIELD WITH LANDSCAPE ARCHITECT.
 2. TOTAL NUMBER OF STONE TREADS VARIES, REFER TO MATERIAL PLAN.



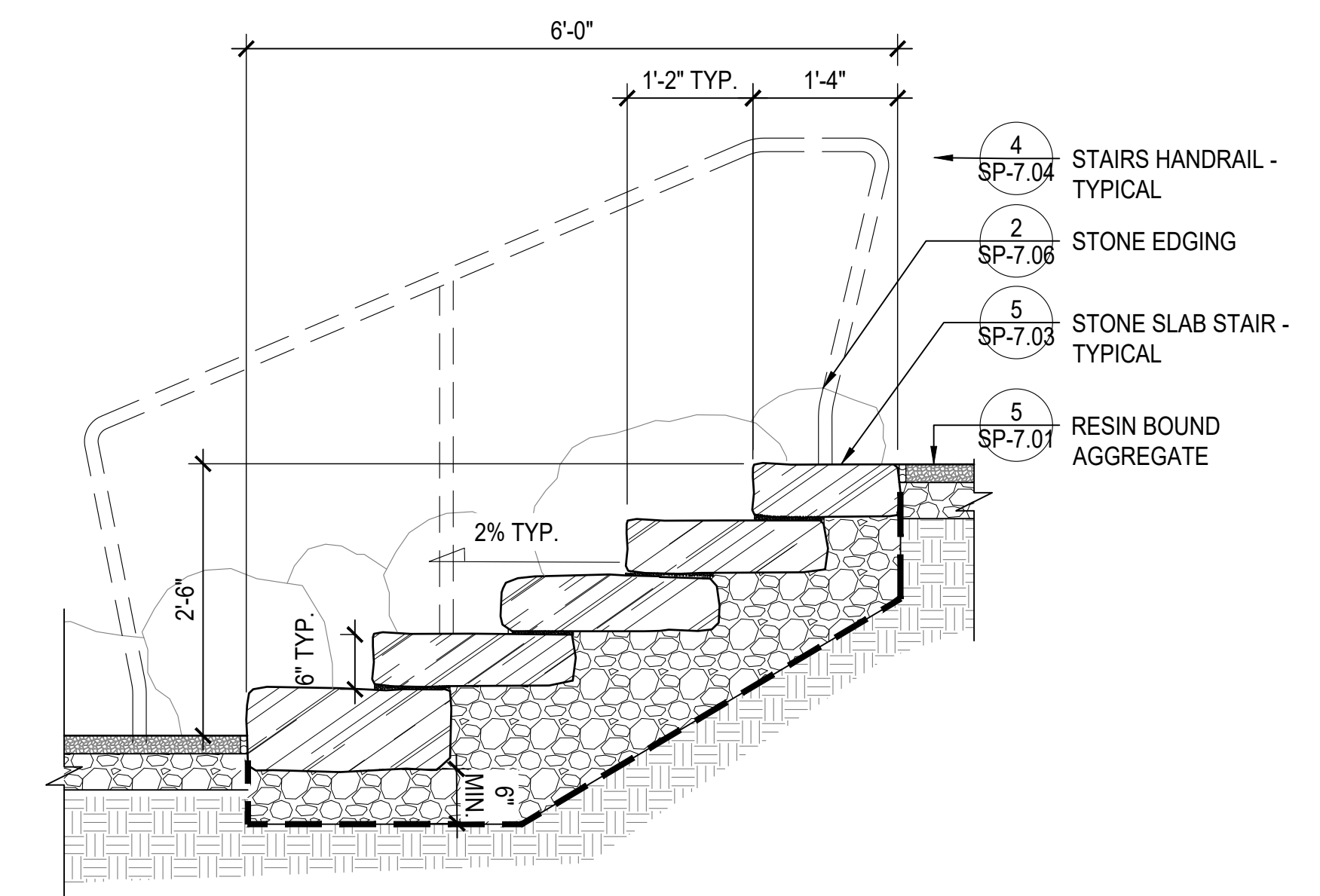
5 STONE SLAB STAIR - TYPICAL

1" = 1'-0"



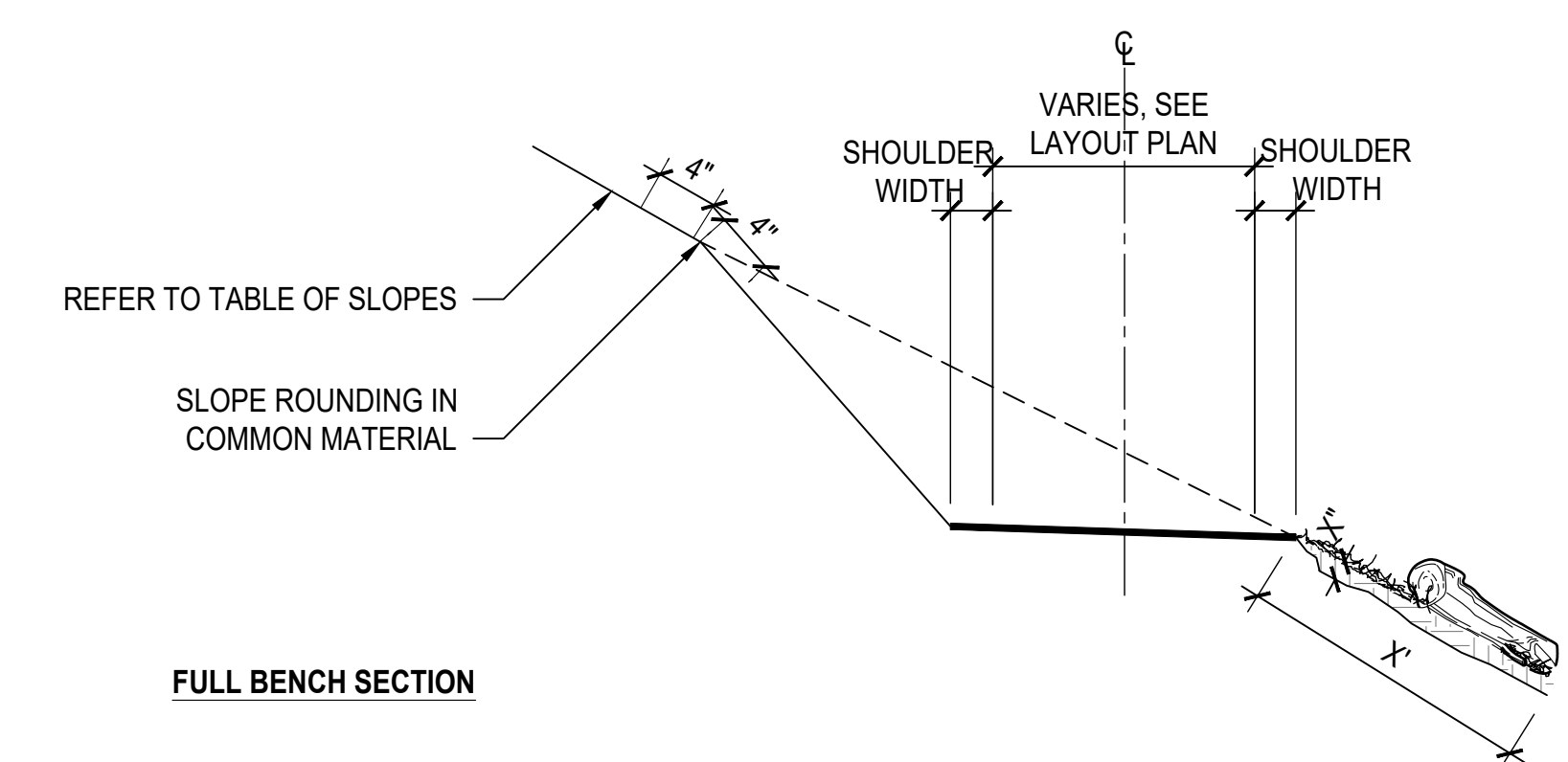
2 SUGAR SHACK STAIR PLAN

3/4" = 1'-0"

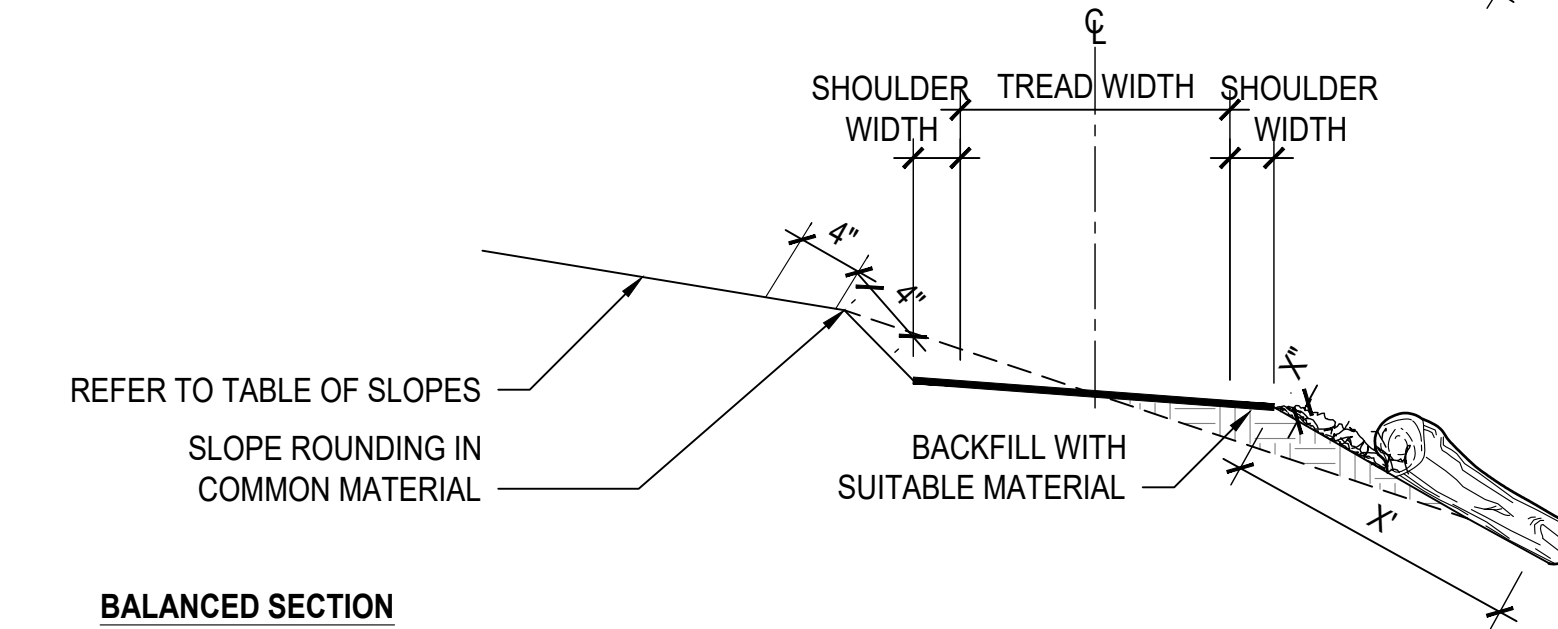


4 SUGAR SHACK STAIR SECTION

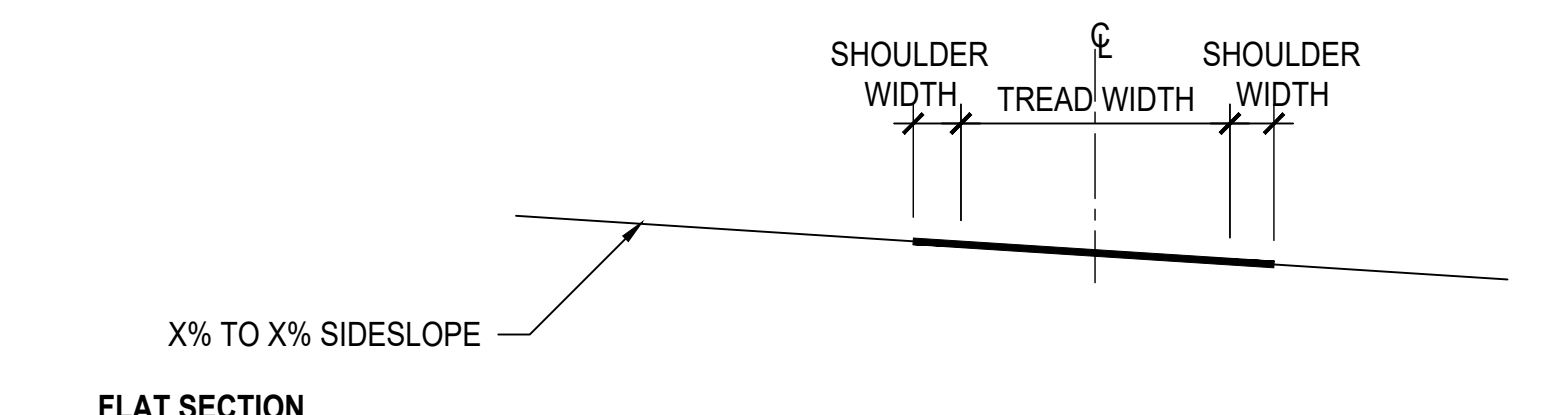
3/4" = 1'-0"



FULL BENCH SECTION



BALANCED SECTION



FLAT SECTION

6 TYPICAL TRAIL CROSS SECTION

1" = 1'-0"

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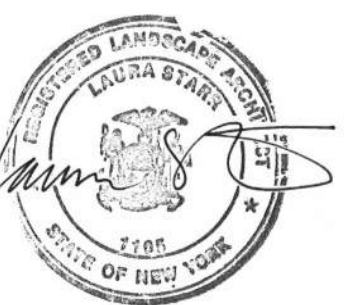
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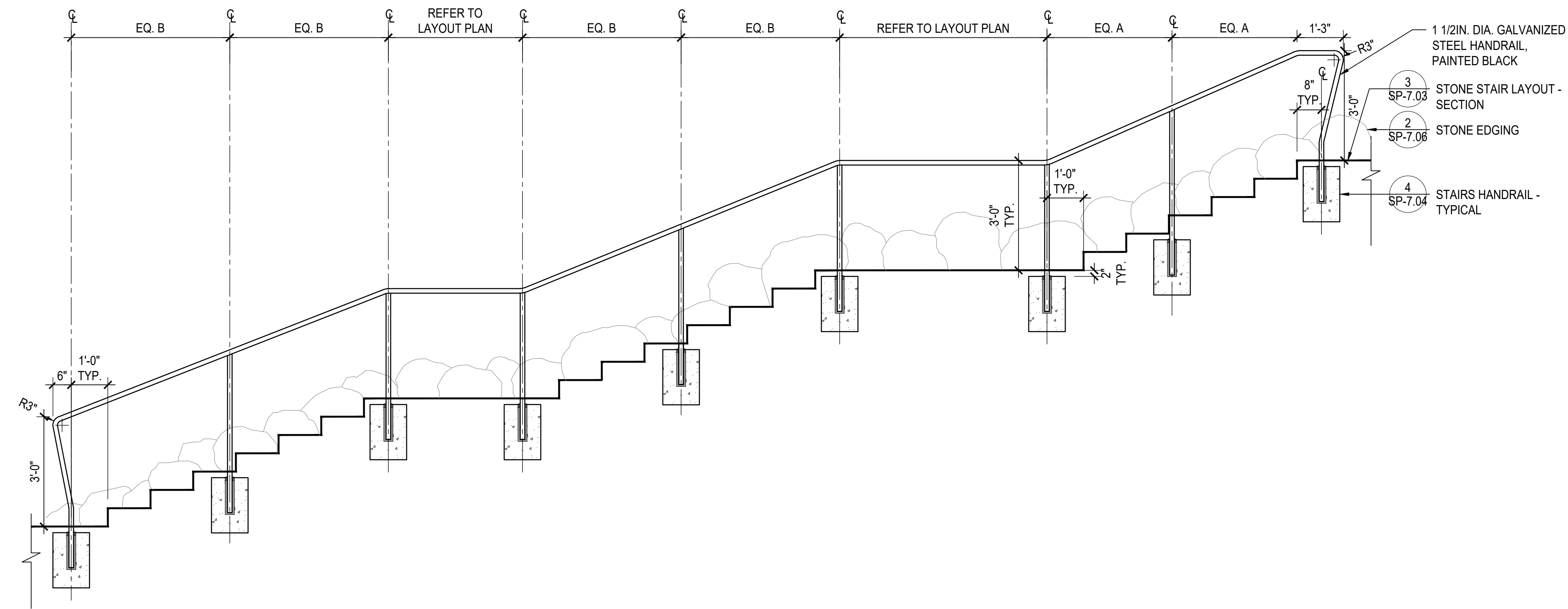


Sheet Title:
SITE DETAILS -
STONE STAIRS,
RAMP AND
SLOPE PROFILES

Date: 2 July, 2024
Project No: 1023
Dwg By: YT, RS
Check By: GWL

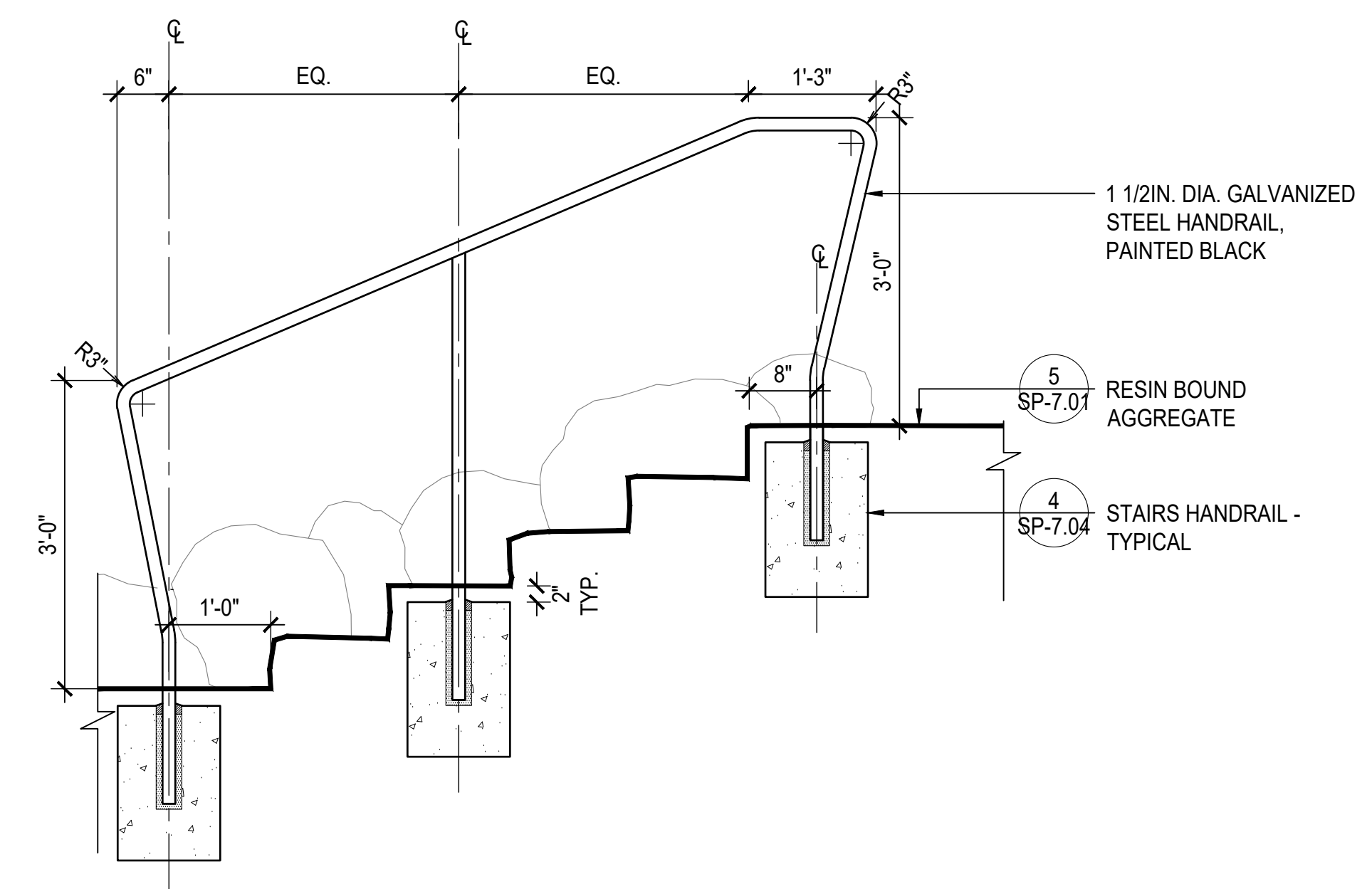
SP-7.03

Pg No: XX OF XXX



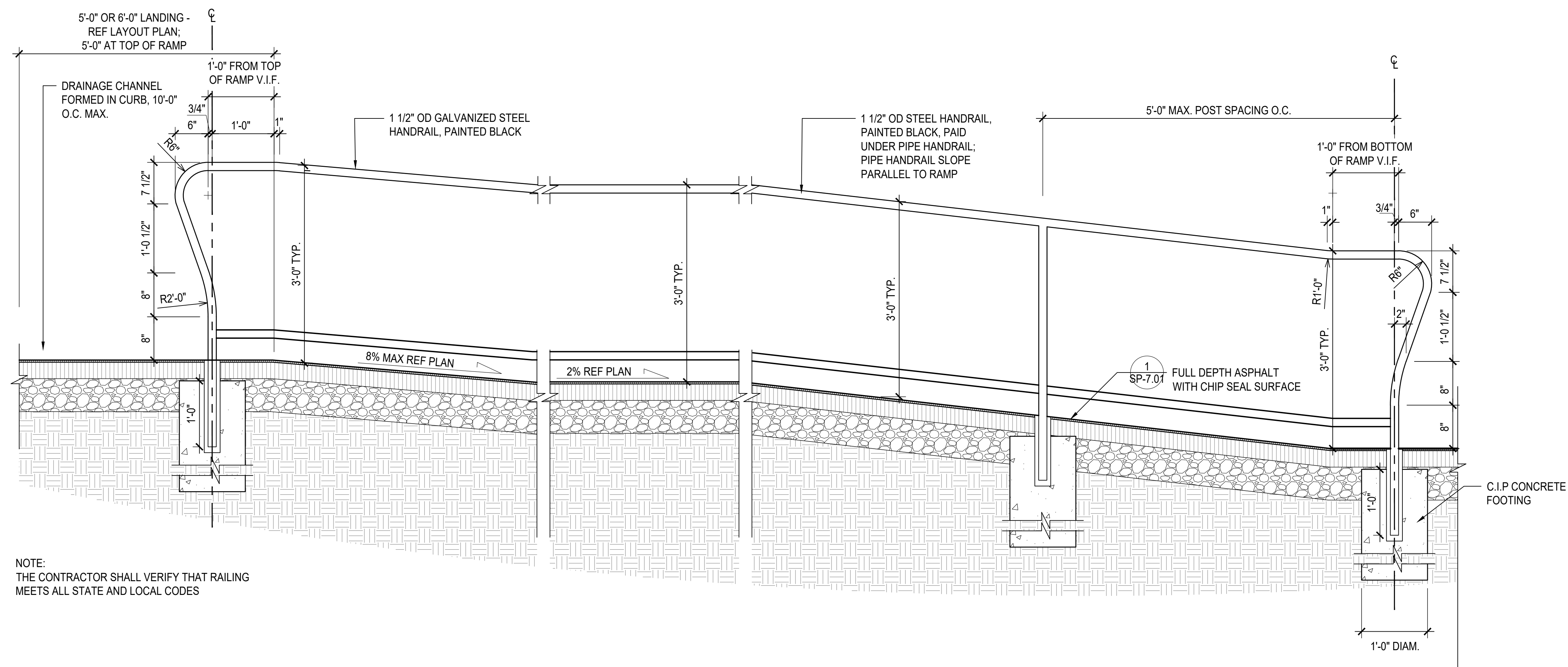
1 HANDRAIL AT STONE STAIR

1/2" = 1'-0"



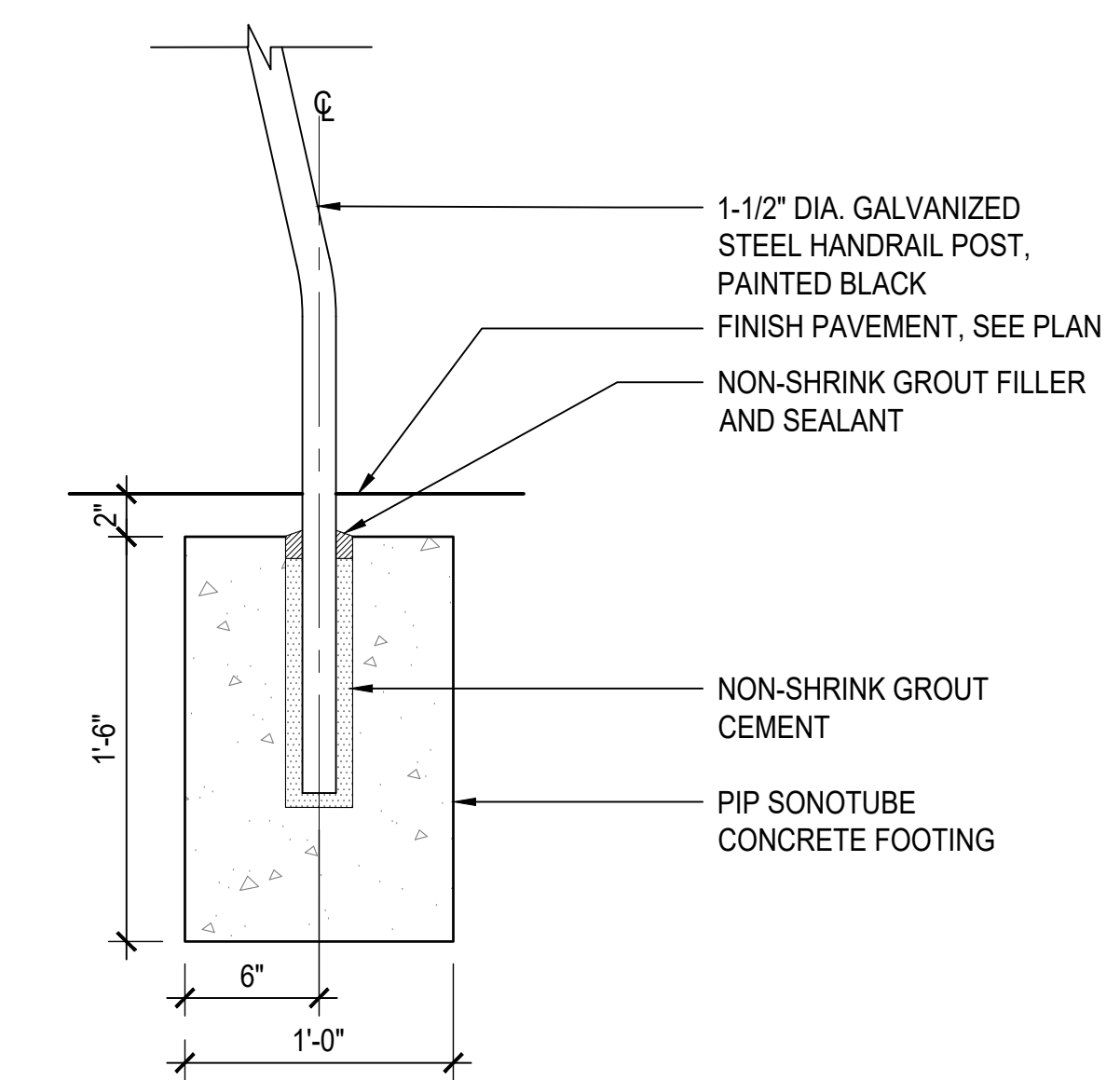
2 SUGAR SHACK STAIR HANDRAIL

3/4" = 1'-0"



3 HANDRAIL AT ADA RAMP

1" = 1'-0"



4 STAIRS HANDRAIL - TYPICAL

1 1/2" = 1'-0"

Project:
Teatown Lake Reservation
1600 SPRING VALLEY RD.
OSSINING, NY, 10562

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275 MADISON AVE, 14TH FLOOR
NEW YORK, NY 10016
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Date Issue
10/4/24 For planning board review

Seal and Signature:

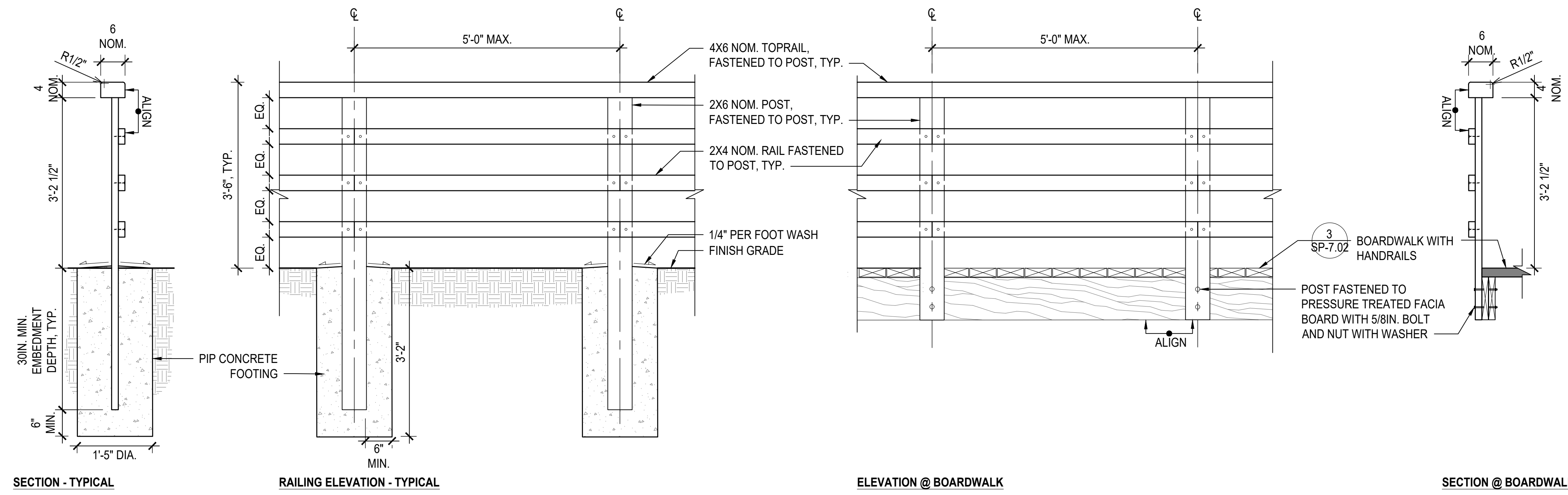


Sheet Title:
SITE DETAILS -
HANDRAIL

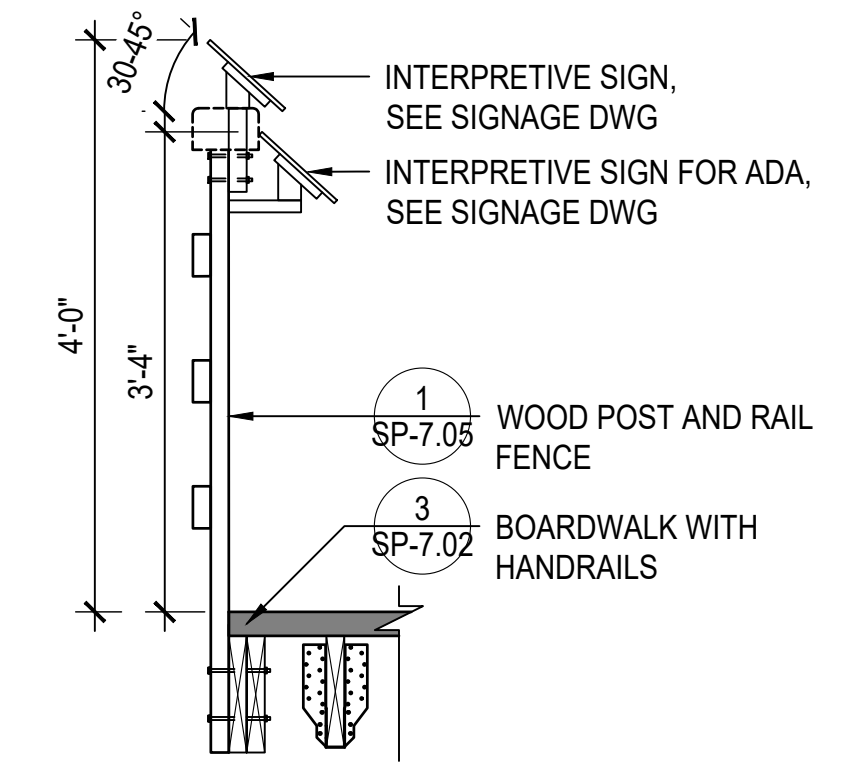
Date: 2 July, 2024
Project No: 1023
Dwg By: YT, RS
Check By: GWL

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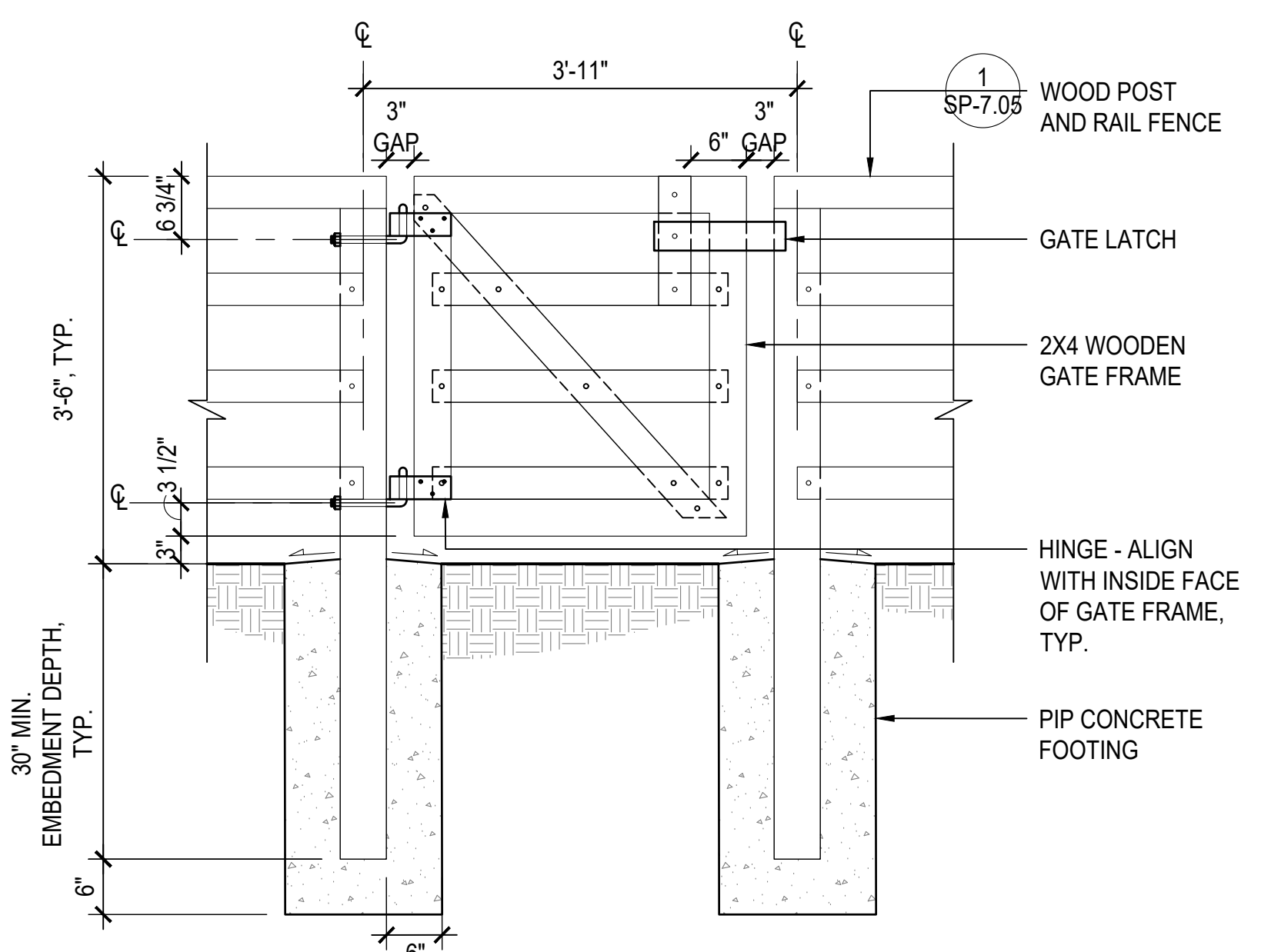
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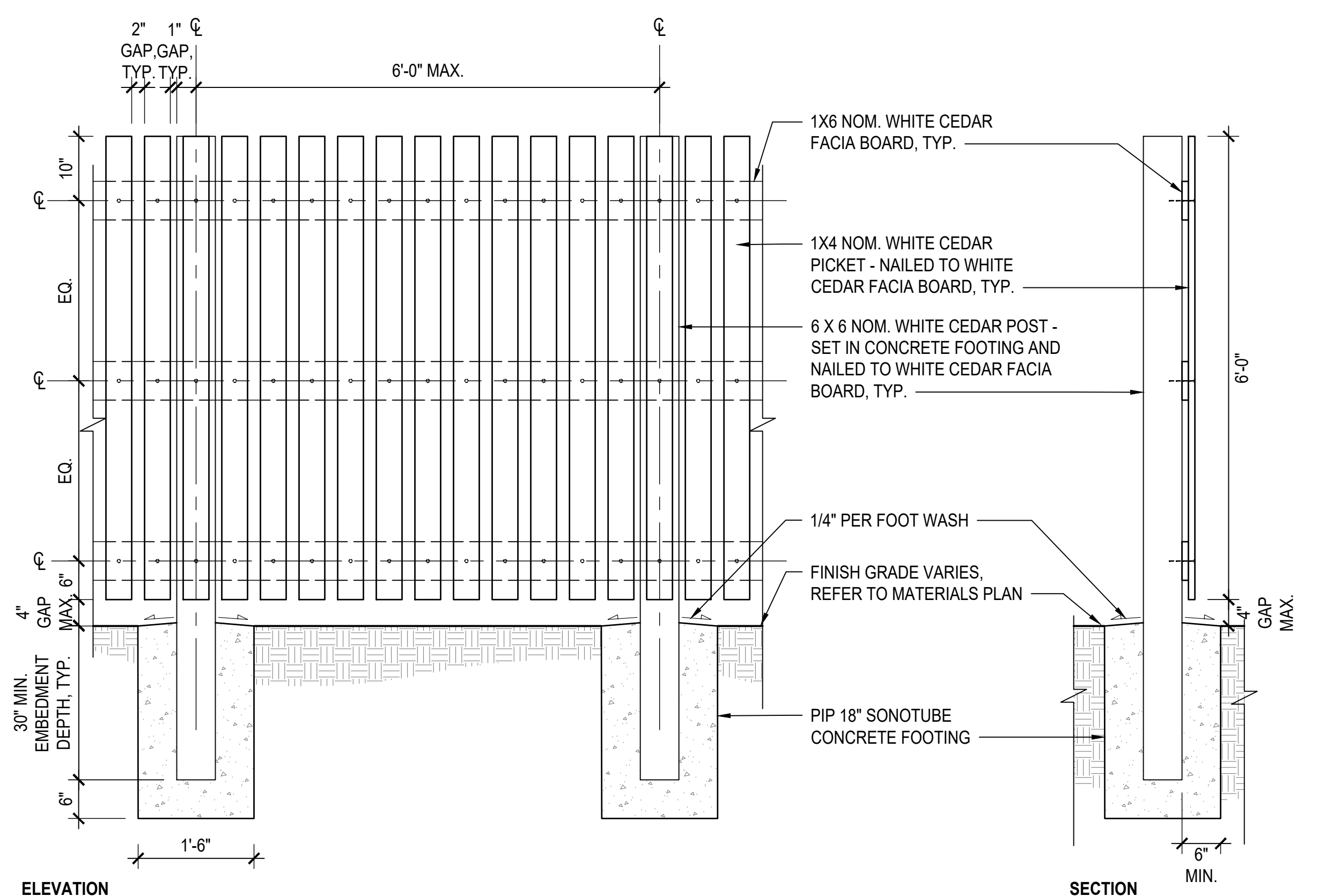
1 WOOD POST AND RAIL FENCE 3/4" = 1'-0"



2 INTERPRETIVE SIGN AT HAND RAILS 3/4" = 1'-0"



3 MAINTENANCE ACCESS GATE 3/4" = 1'-0"



4 CEDAR WOOD PICKET FENCE 3/4" = 1'-0"

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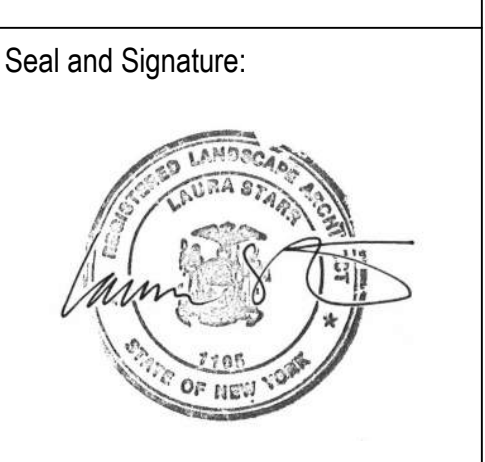
Lighting Designer
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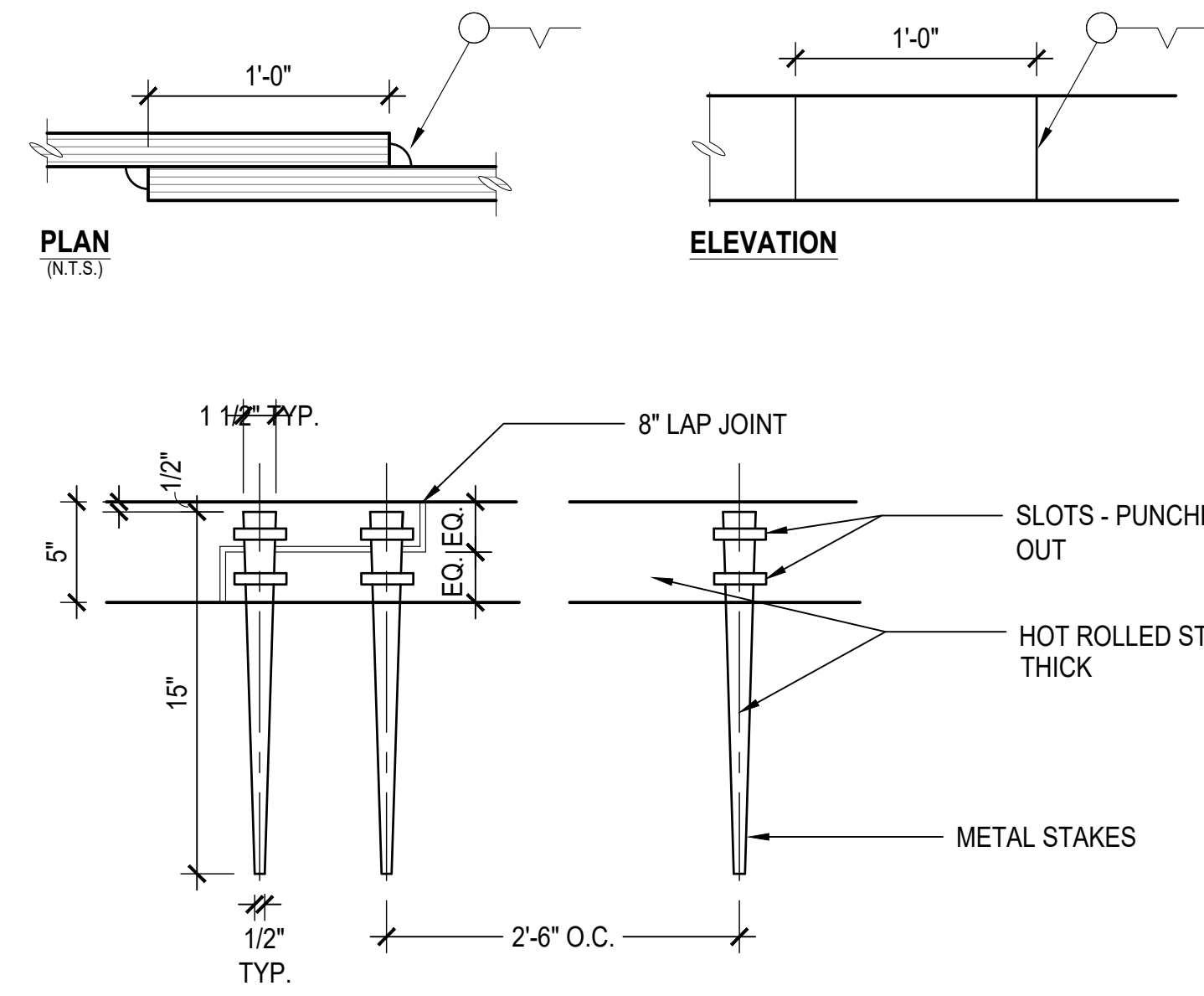


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SITE DETAILS - FENCING

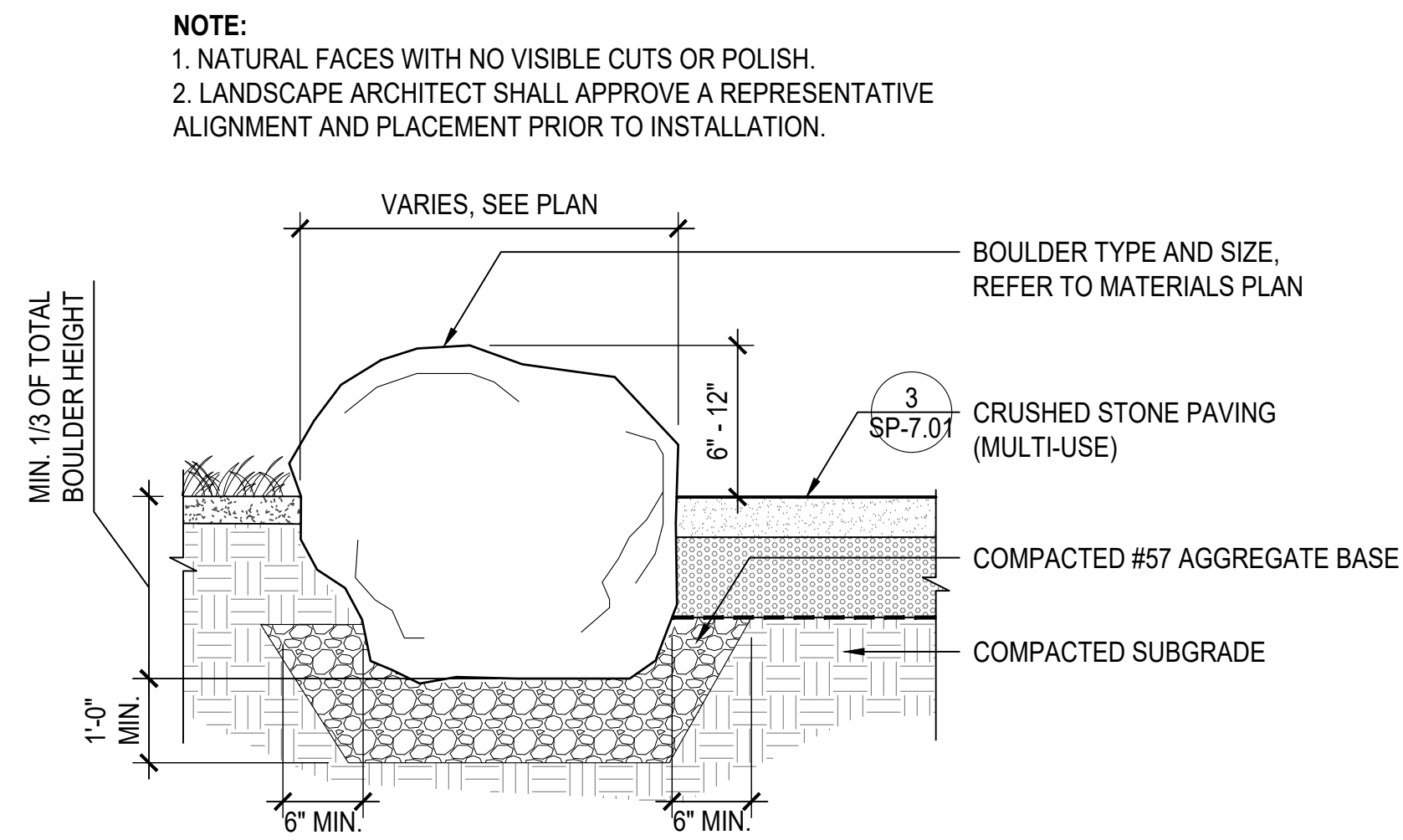
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 Project No: 1023
 Dwg By: YT, RS
 Check By: GWL

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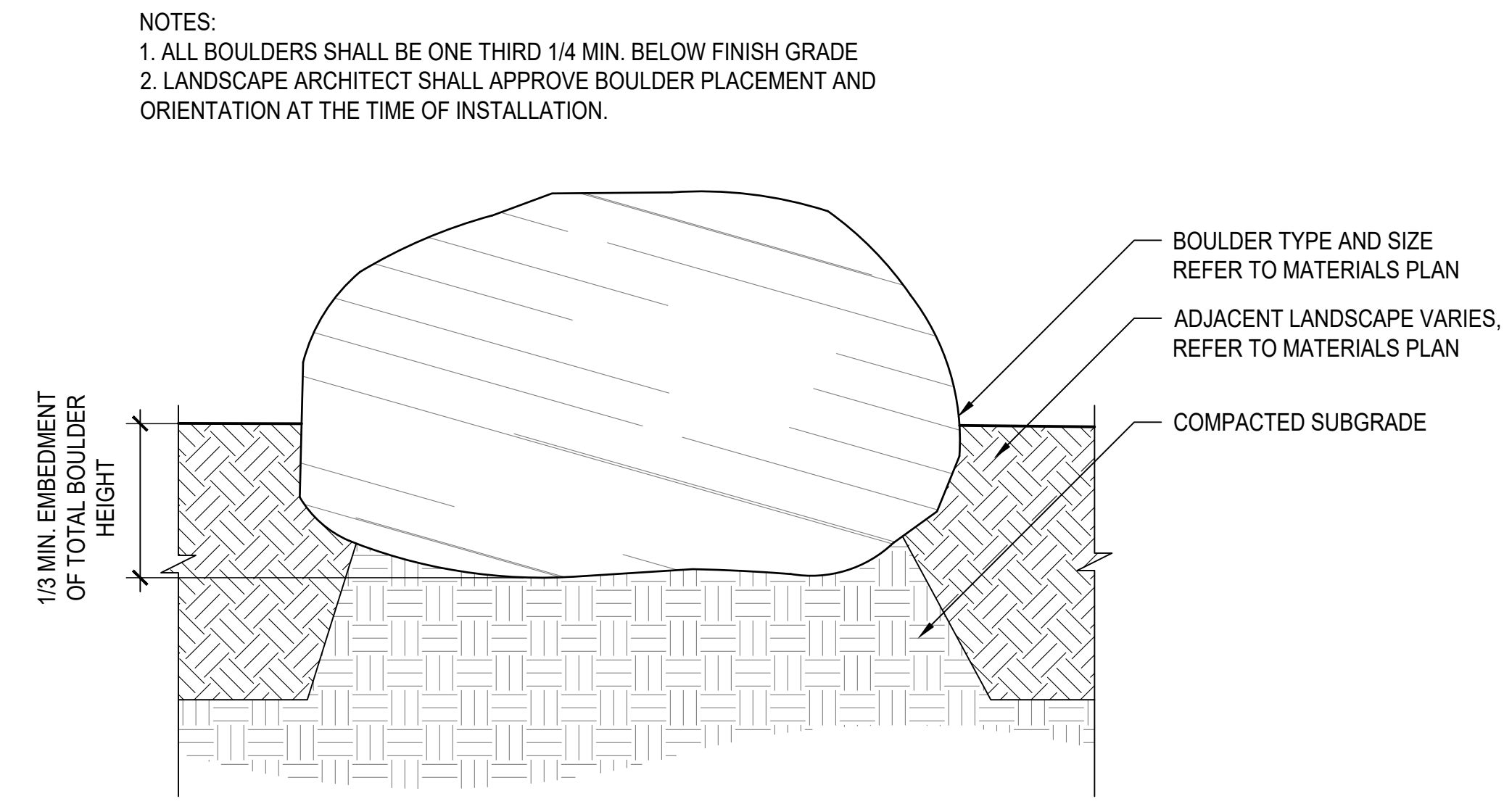
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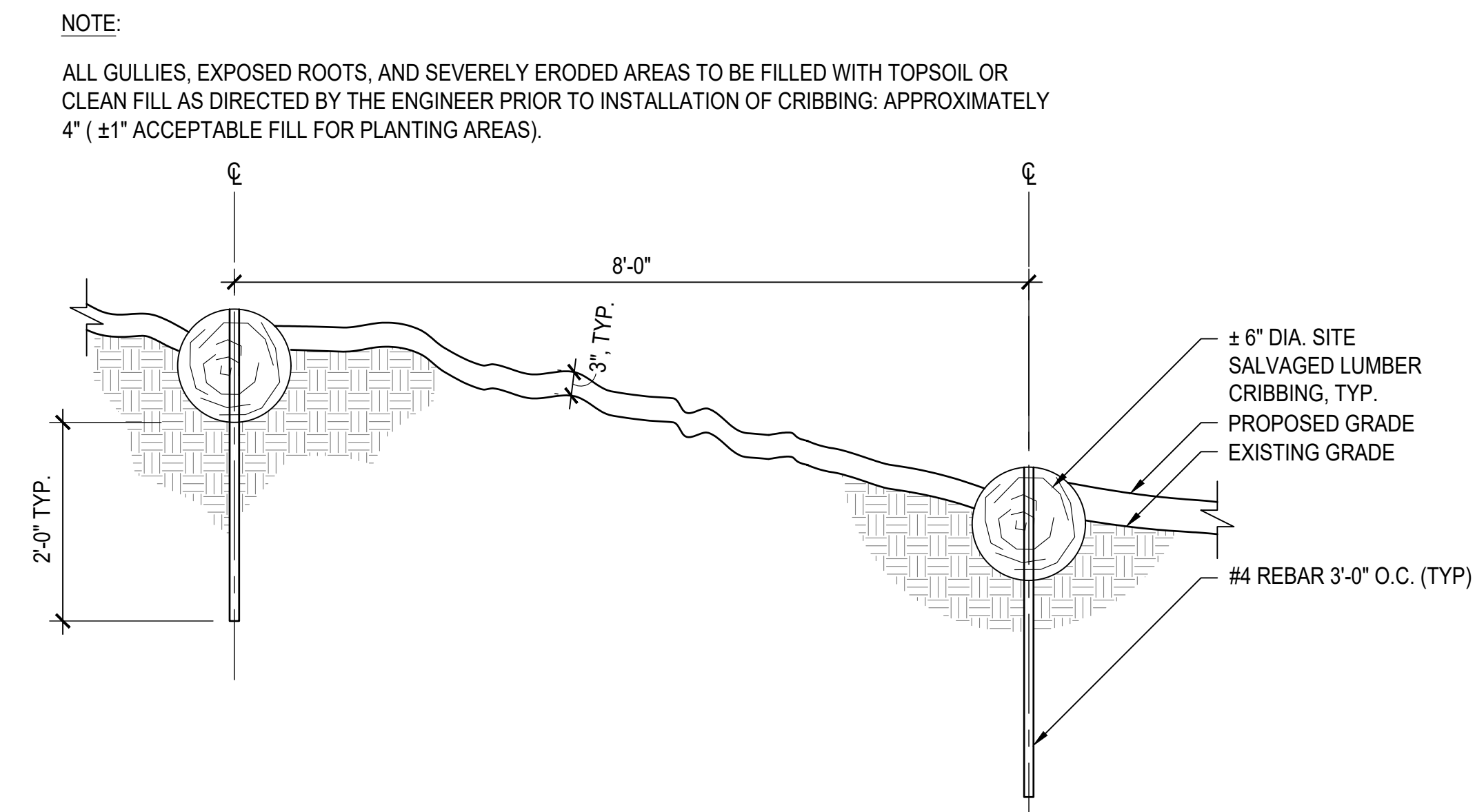
1 STEEL EDGING 1 1/2" = 1'-0"



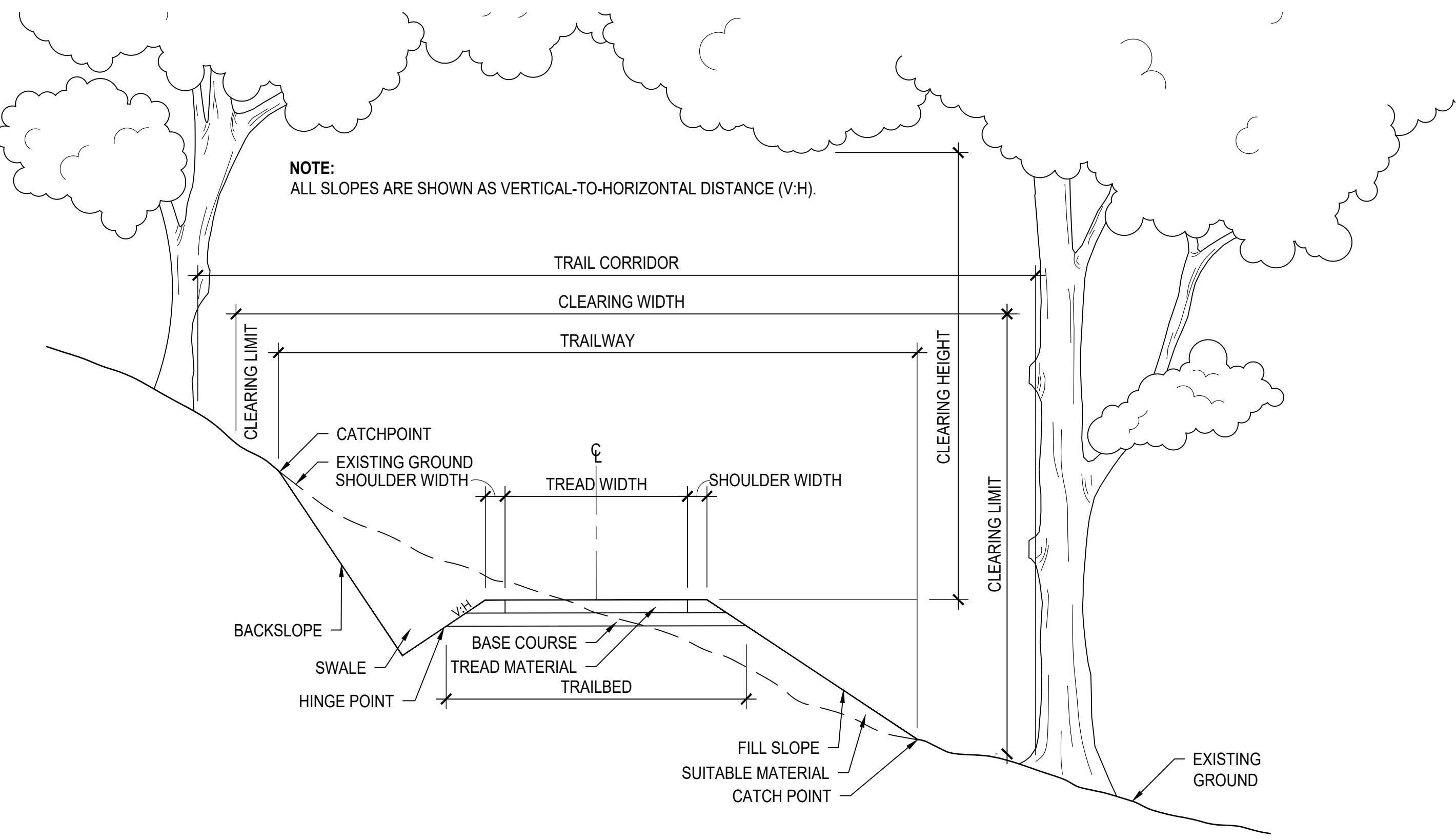
2 STONE EDGING 1" = 1'-0"



3 LANDSCAPE BOULDER 1" = 1'-0"



4 SALVAGED TIMBER CRIBBING 3/4" = 1'-0"



5 PATH PROFILE ON SLOPE 3/4" = 1'-0"

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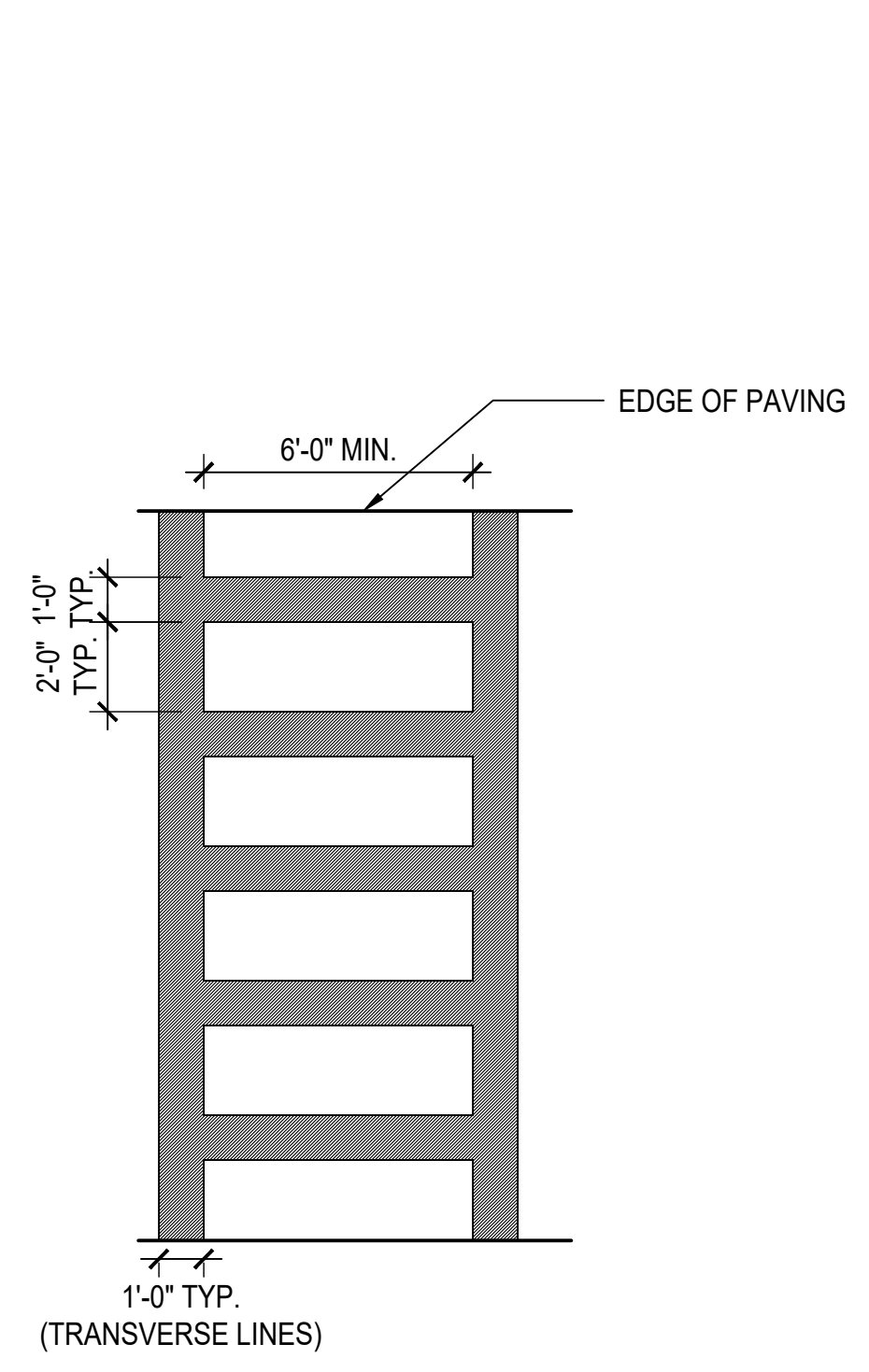
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Sheet Title:
**SITE DETAILS -
 CURBS, EDGING
 AND EROSION
 CONTROL**

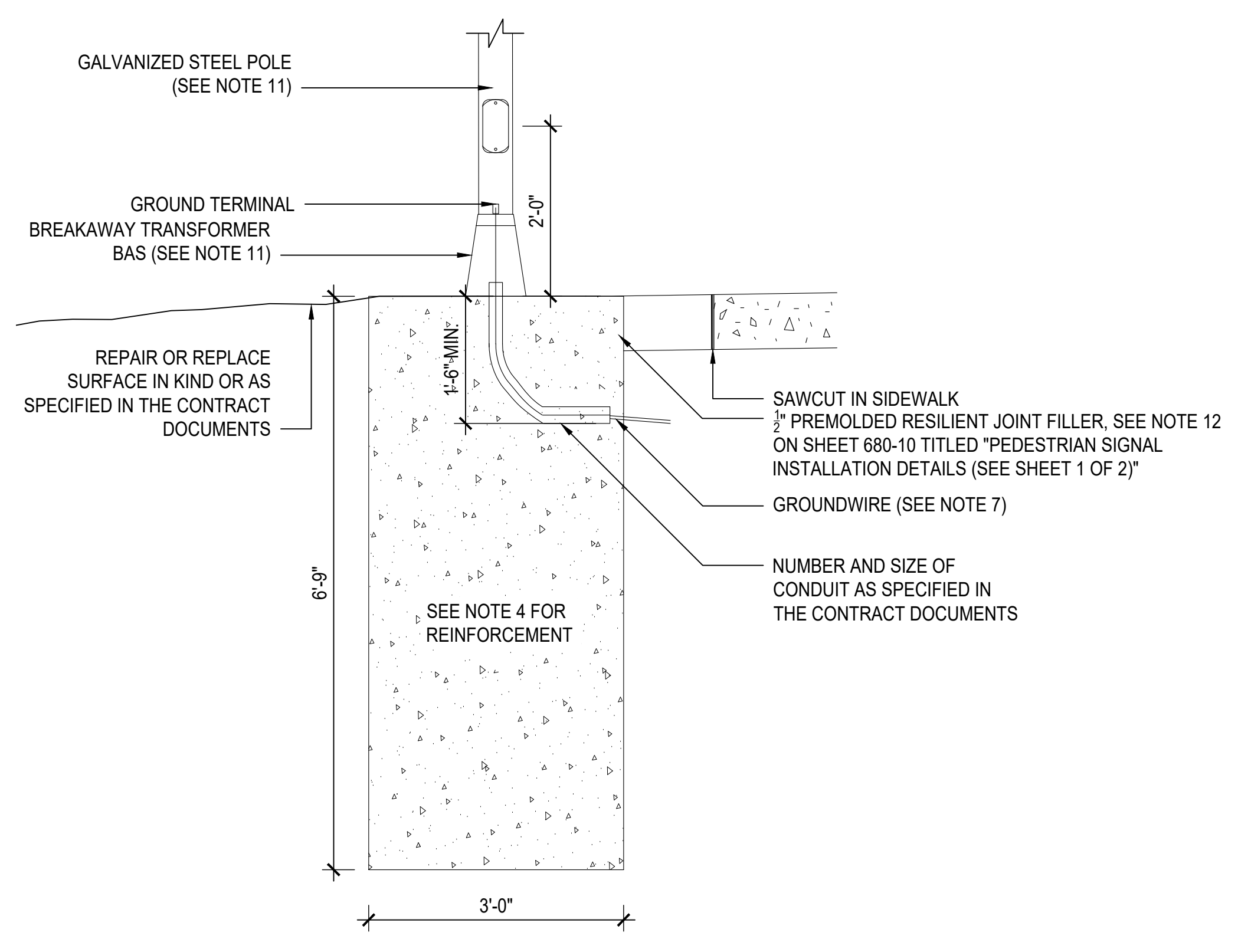
Date: 2 July, 2024
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 Dwg By: YT, RS
 Check By: GWL

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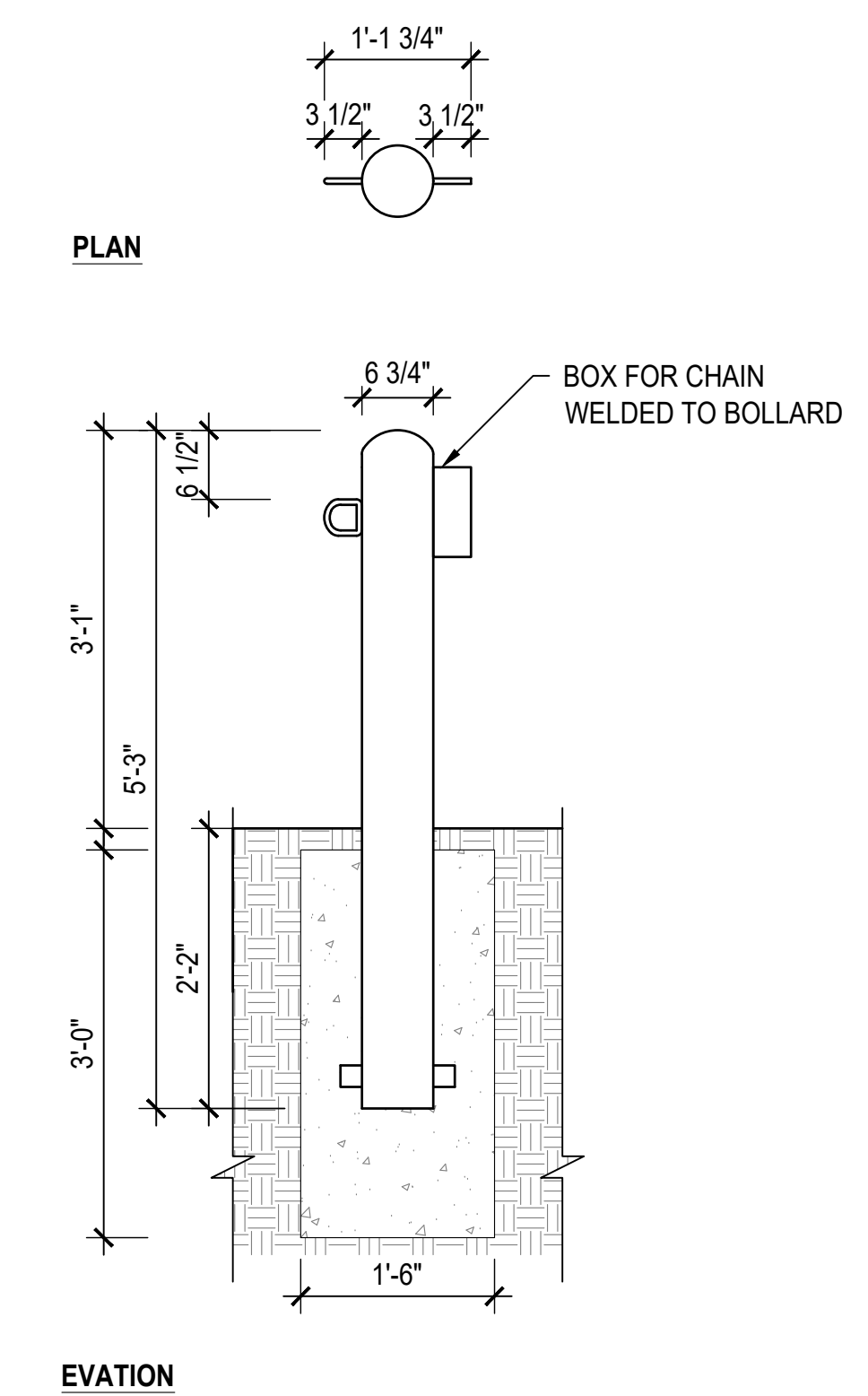
Pg No: XX OF XXX



1 CROSSWALK STRIPING
 1/4" = 1'-0"

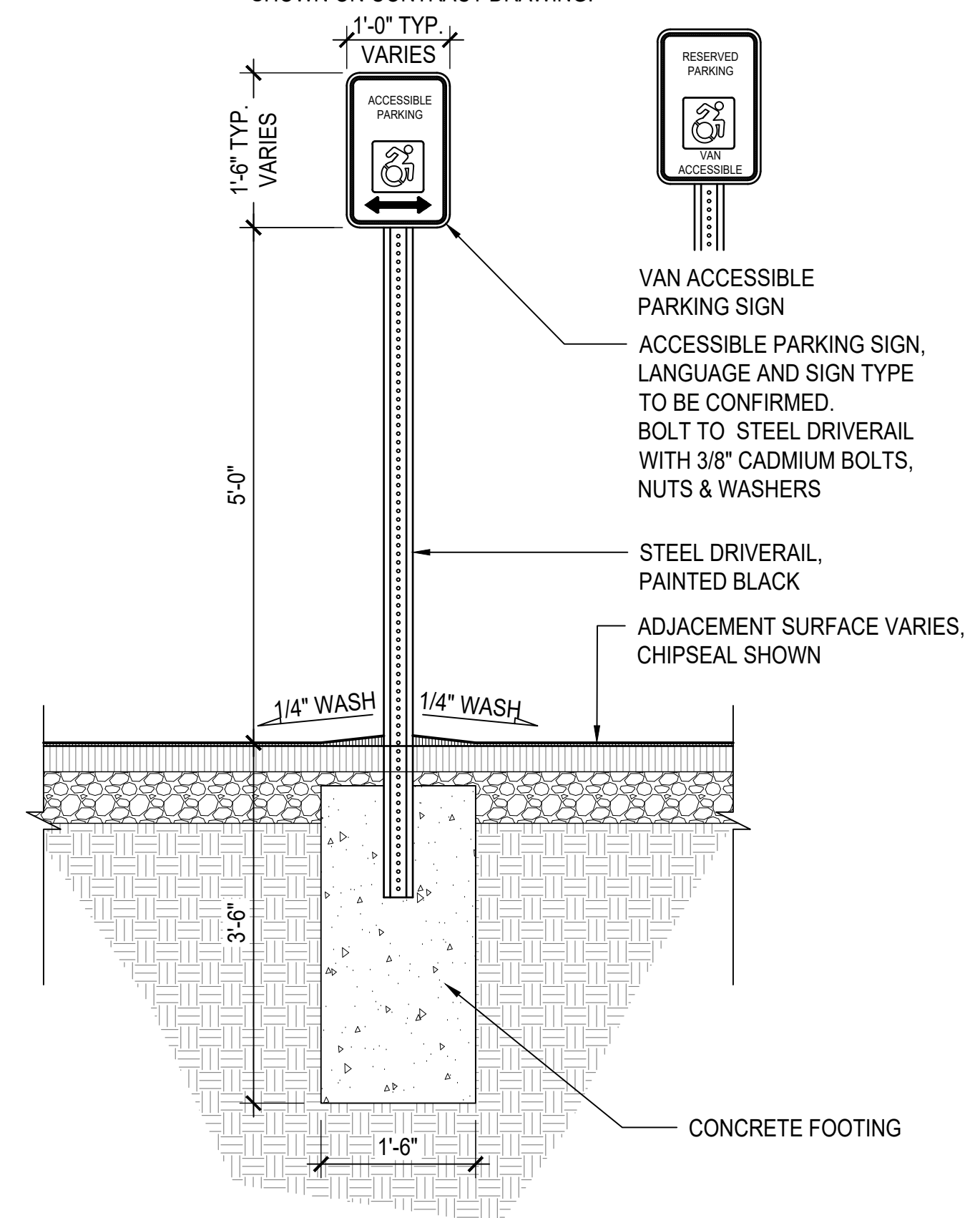


2 PEDESTRIAN CROSSING SIGNAL FOUNDATION
 3/4" = 1'-0"

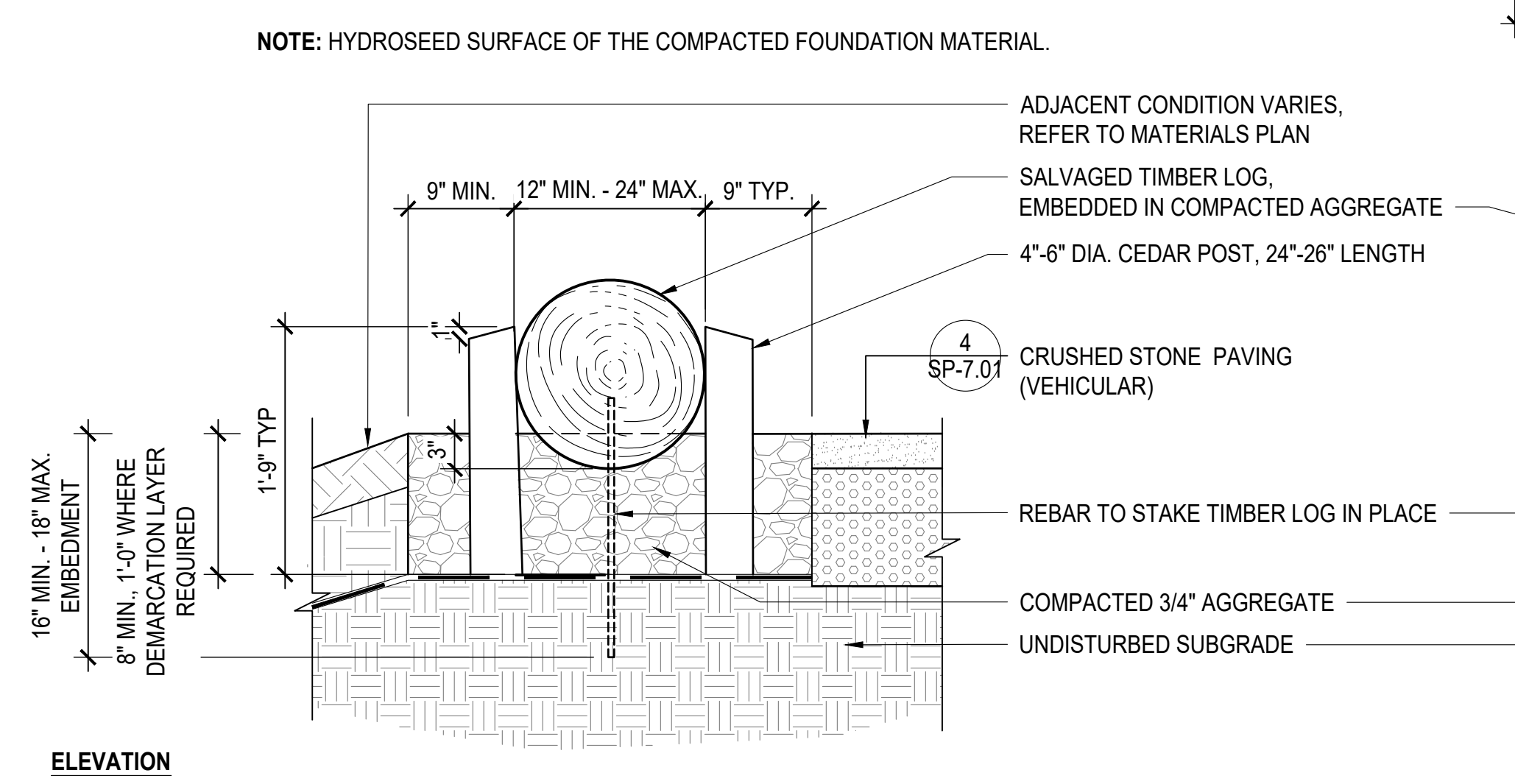


3 STEEL BOLLARD WITH CHAIN
 3/4" = 1'-0"

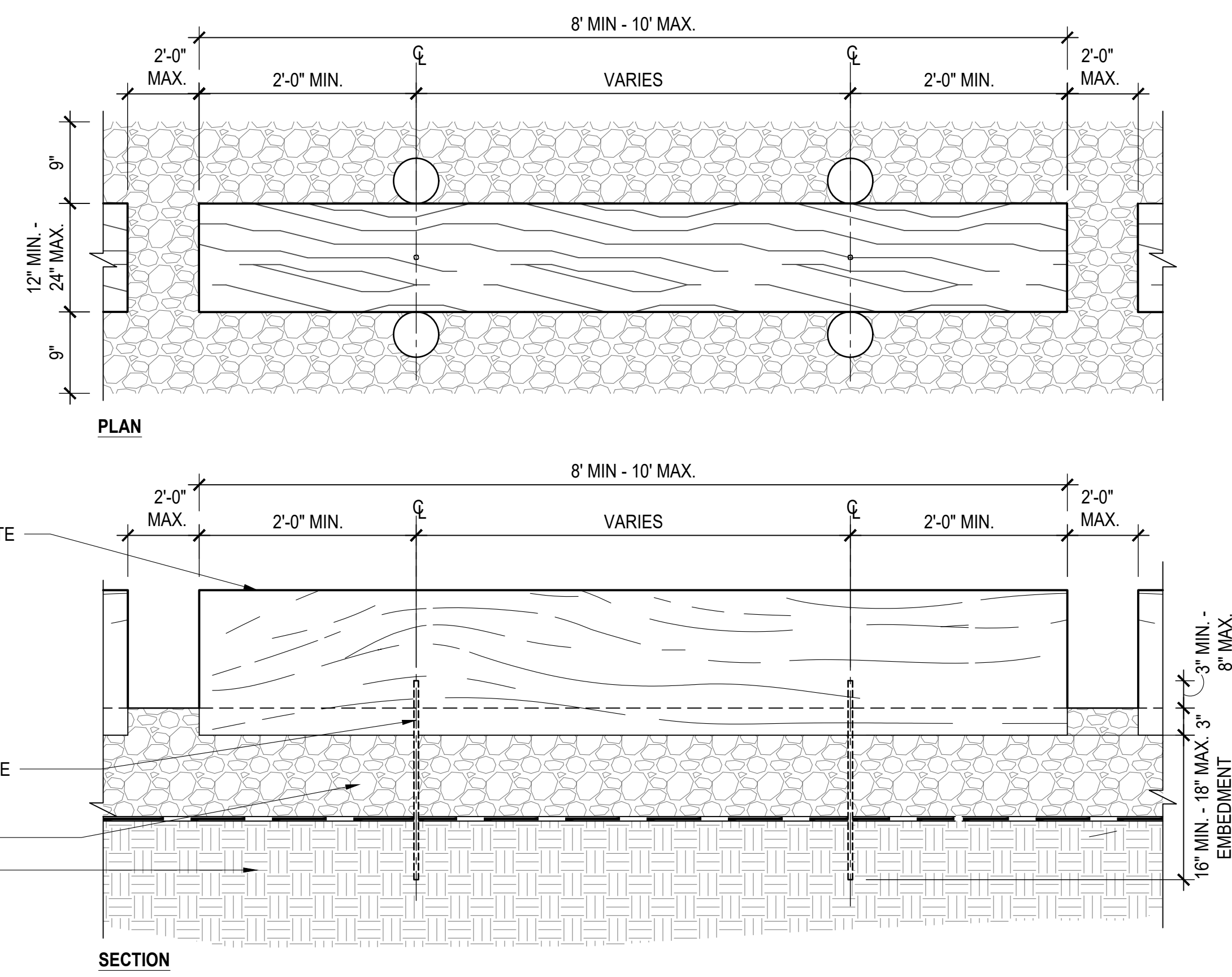
- NOTES:
- ALL SIGNS SHALL BE THERMALLY STABILIZED REFLECTIVE ALUMINUM ALLOY, ENGINEER GRADE, 0.080" IN THICKNESS
 - WHERE DRIVERAIL IS SPECIFIED, HOLES FOR SIGN SHALL BE PRE-DRILLED IN THE FACTORY AND CORRESPOND TO HOLE POSITION ON DRIVE RAIL
 - CONTRACTOR SHALL SUBMIT SIGN AND MOUNTING DETAILS FOR APPROVAL
 - SIGN SHALL BE MOUNTED ON DRIVERAIL, FENCE, OR WALL AS SHOWN ON THE DRAWINGS. FASTENERS AND HARDWARE SHALL BE PER SPECIFICATION OR AS SHOWN ON CONTRACT DRAWING.



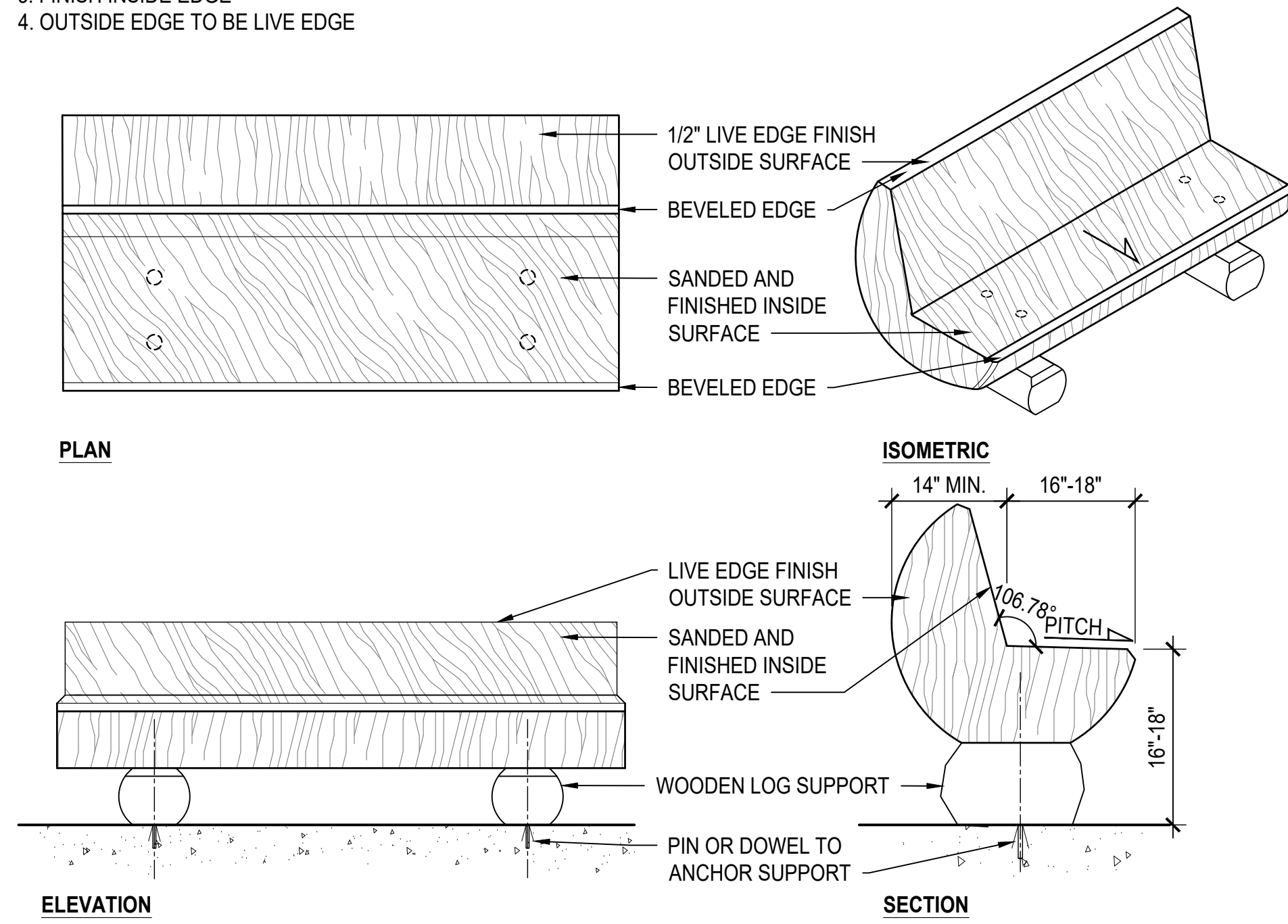
4 ADA PARKING SIGN
 3/4" = 1'-0"



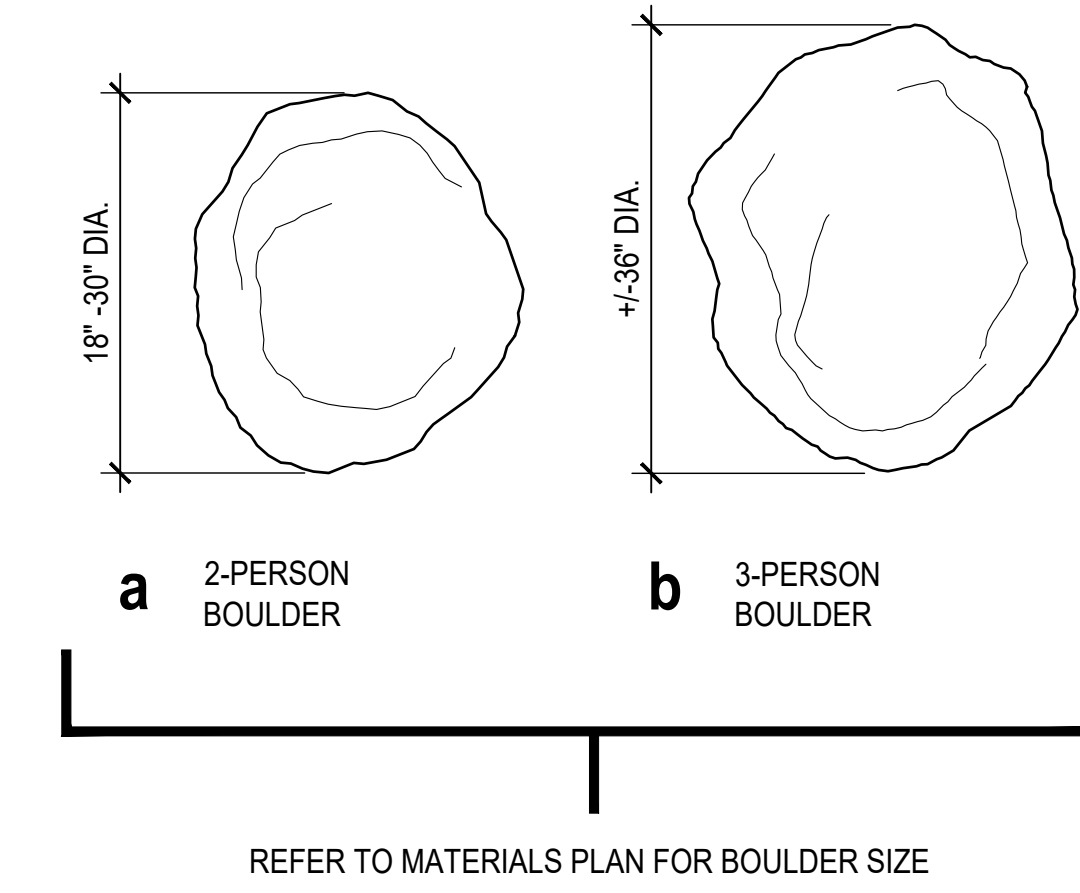
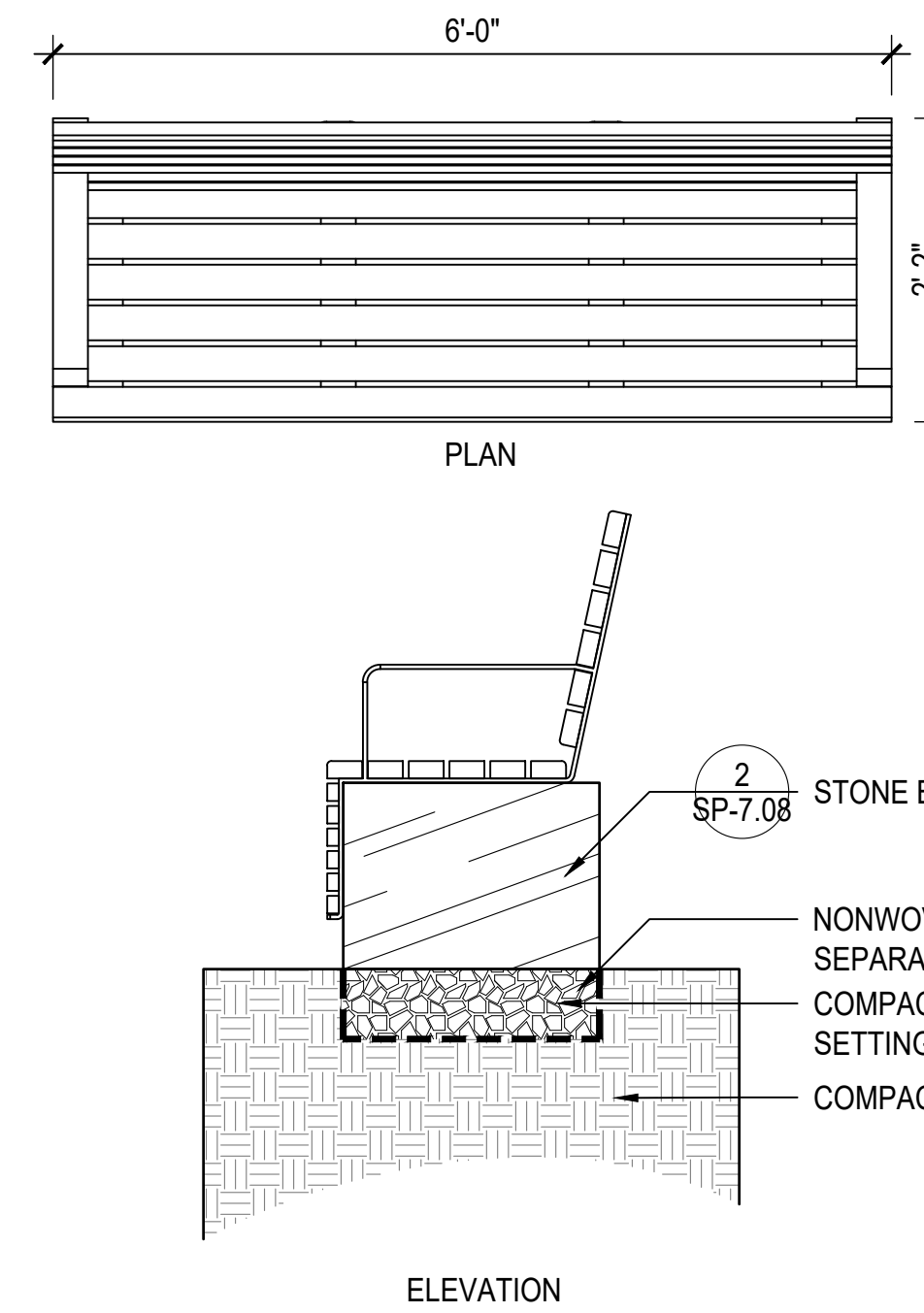
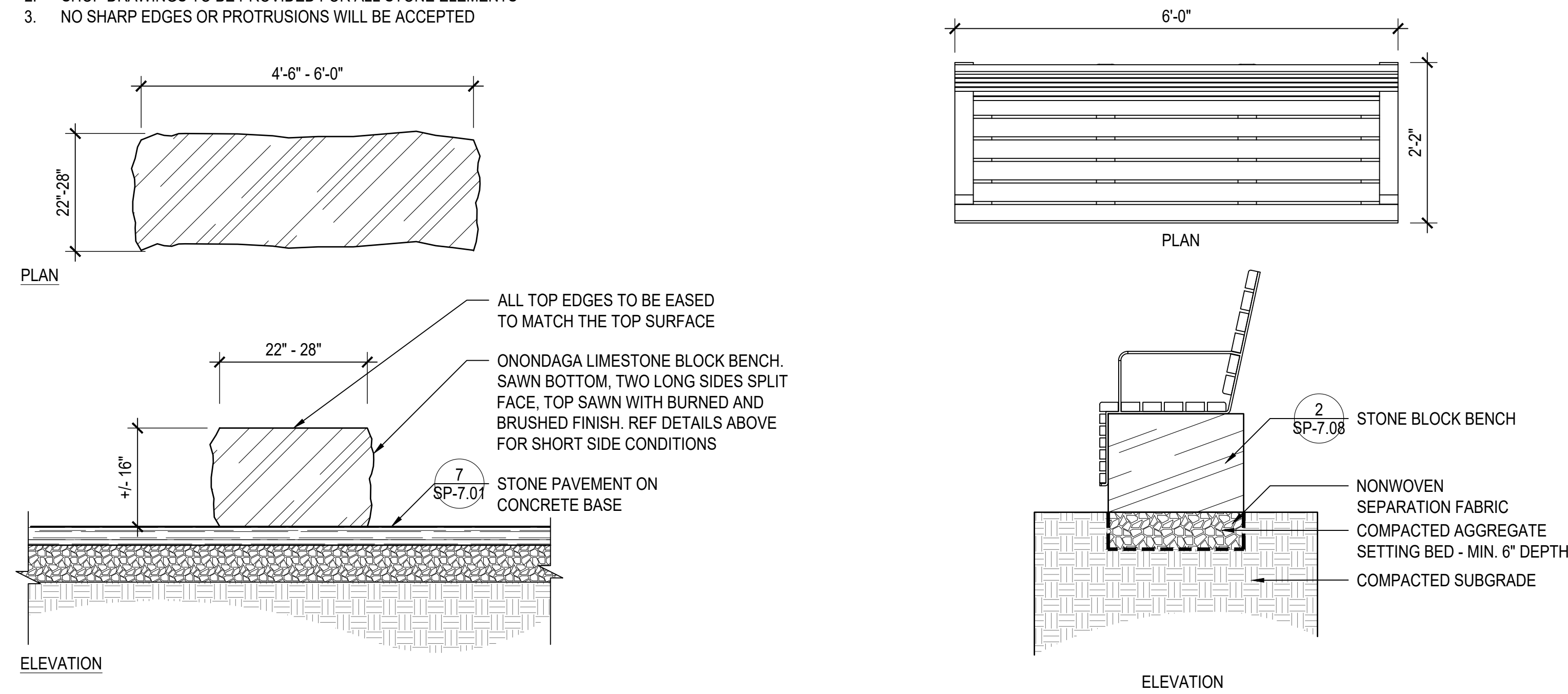
5 SITE SALVAGED TIMBER EDGE AT PARKING LOTS
 1" = 1'-0"



- NOTES:
1. FINISH OF SEATING SURFACE TO BE SMOOTH AND FREE OF SILVERS AND SPLINTER FREE
 2. ROUND OR BEVEL EDGES AS SHOWN, NO SHARP EDGES OR PROTRUDING KNOTS
 3. FINISH INSIDE EDGE
 4. OUTSIDE EDGE TO BE LIVE EDGE



- NOTES:
1. LANDSCAPE ARCHITECT TO REVIEW PLACEMENT OF BLOCKS PRIOR TO FINAL INSTALLATION
 2. SHOP DRAWINGS TO BE PROVIDED FOR ALL STONE ELEMENTS
 3. NO SHARP EDGES OR PROTRUSIONS WILL BE ACCEPTED



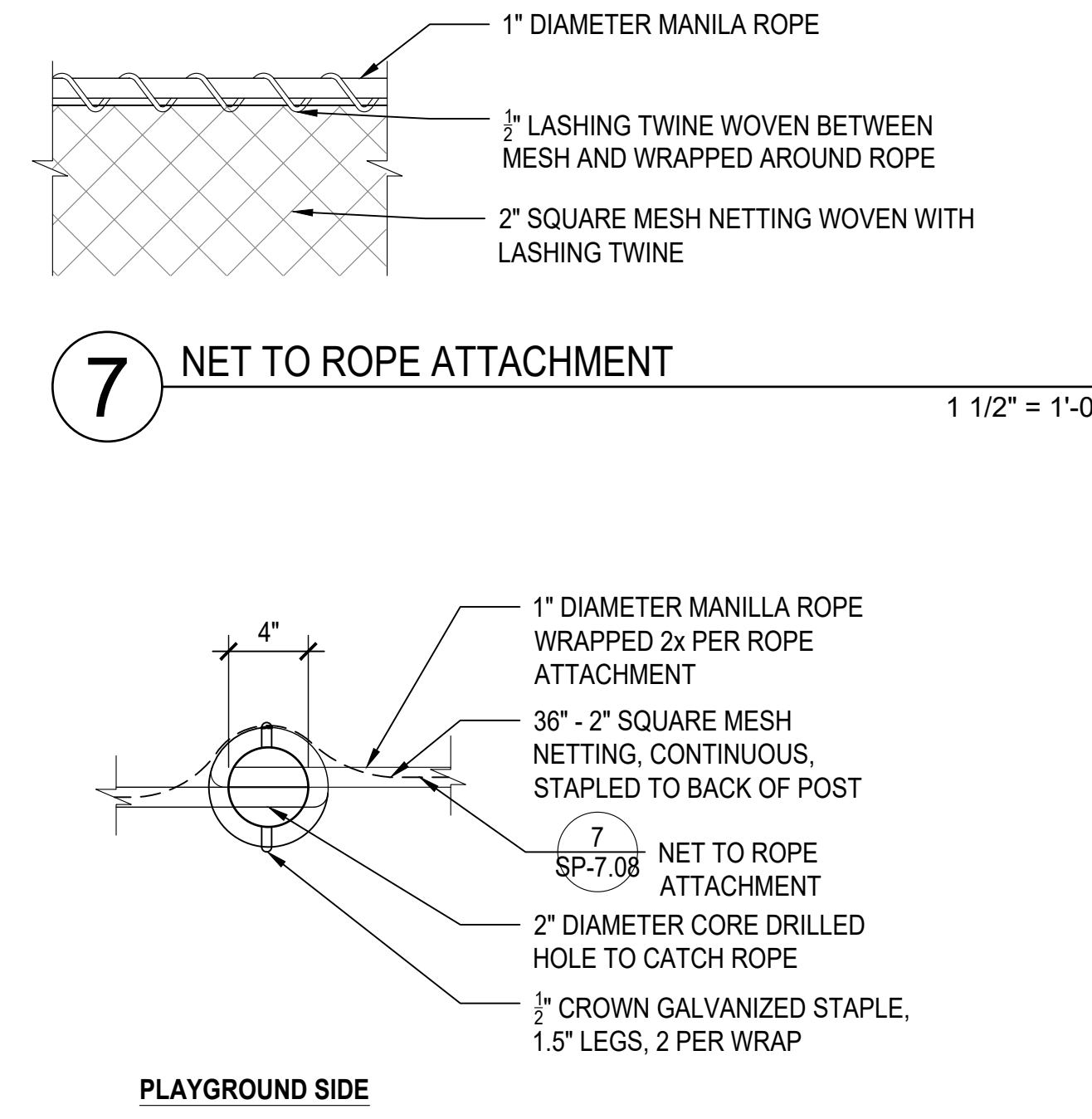
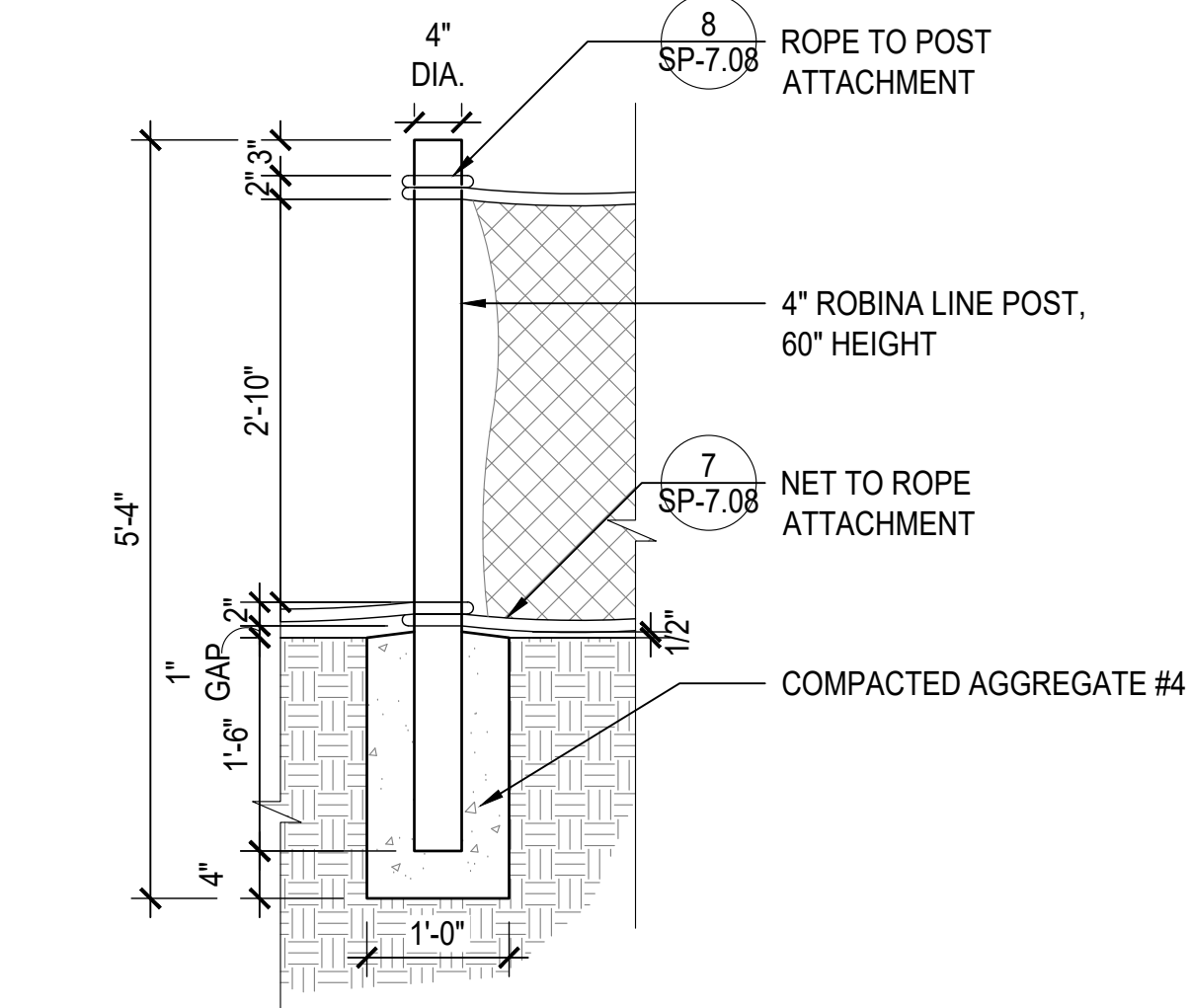
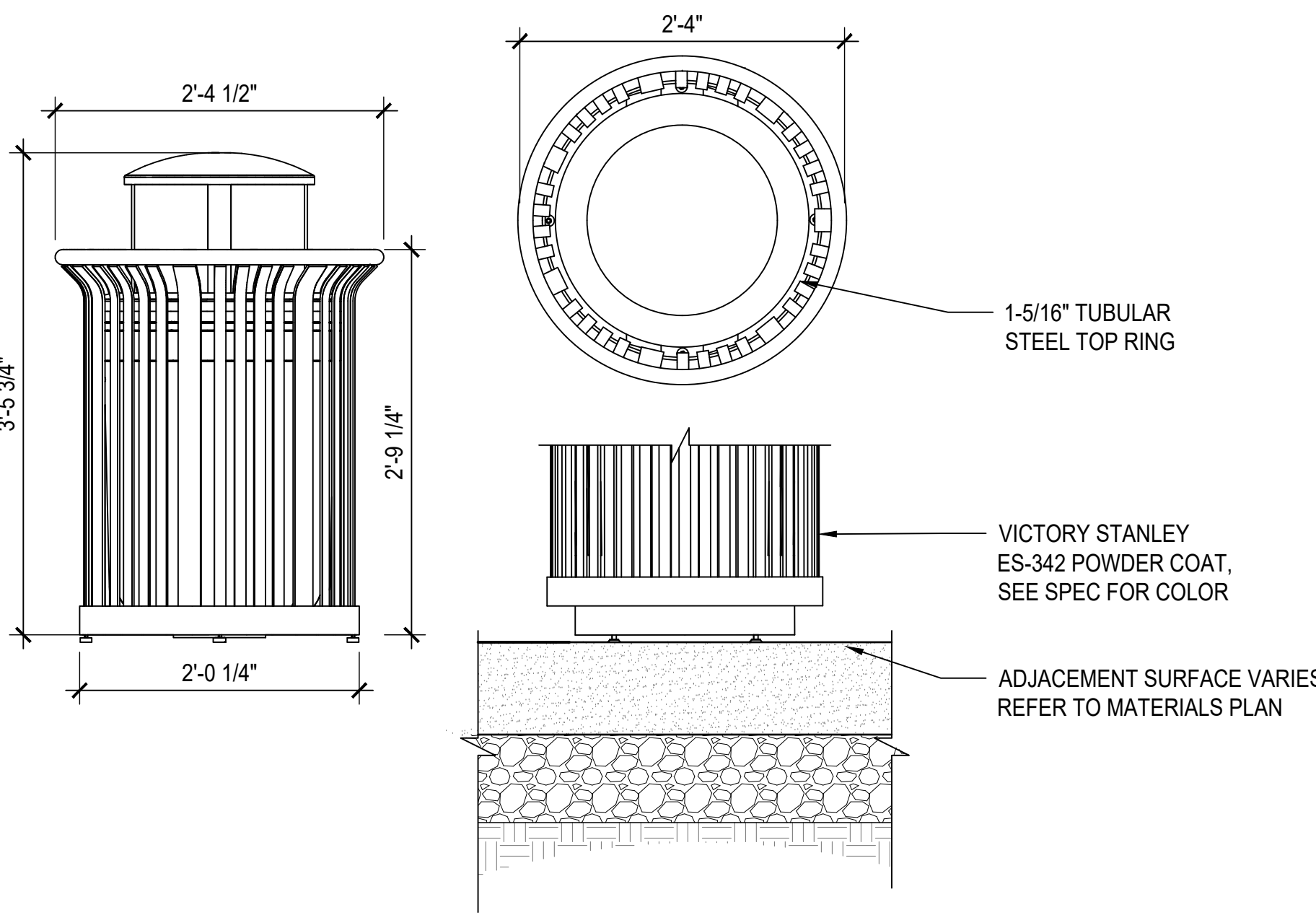
1 SALVAGED LOG BENCH WITH BACK 3/4\" = 1'-0"

2 STONE BLOCK BENCH 3/4\" = 1'-0"

3 STONE BLOCK BENCH WITH WOODEN TOPPER 3/4\" = 1'-0"

4 LANDSCAPE BOULDER SCHEDULE 3/4\" = 1'-0"

- NOTE:
1. SIZE AND FINISH OF CONCRETE PAD VARY, REFER TO MATERIAL PLAN AND LAYOUT PLAN FOR MORE INFORMATION
 2. CONCRETE PAD FOR TRASH RECEPTACLES AT CHIP SEAL PAVING SHOWN BELOW SHALL BE 1'-8\" W X 1'-8\" L X 5\" T.



5 MOVEABLE TRASH AND RECYCLING 1\" = 1'-0"

6 PLAYGROUND WOOD POLE ROPE FENCE 3/4\" = 1'-0"

8 ROPE TO POST ATTACHMENT 1 1/2\" = 1'-0"

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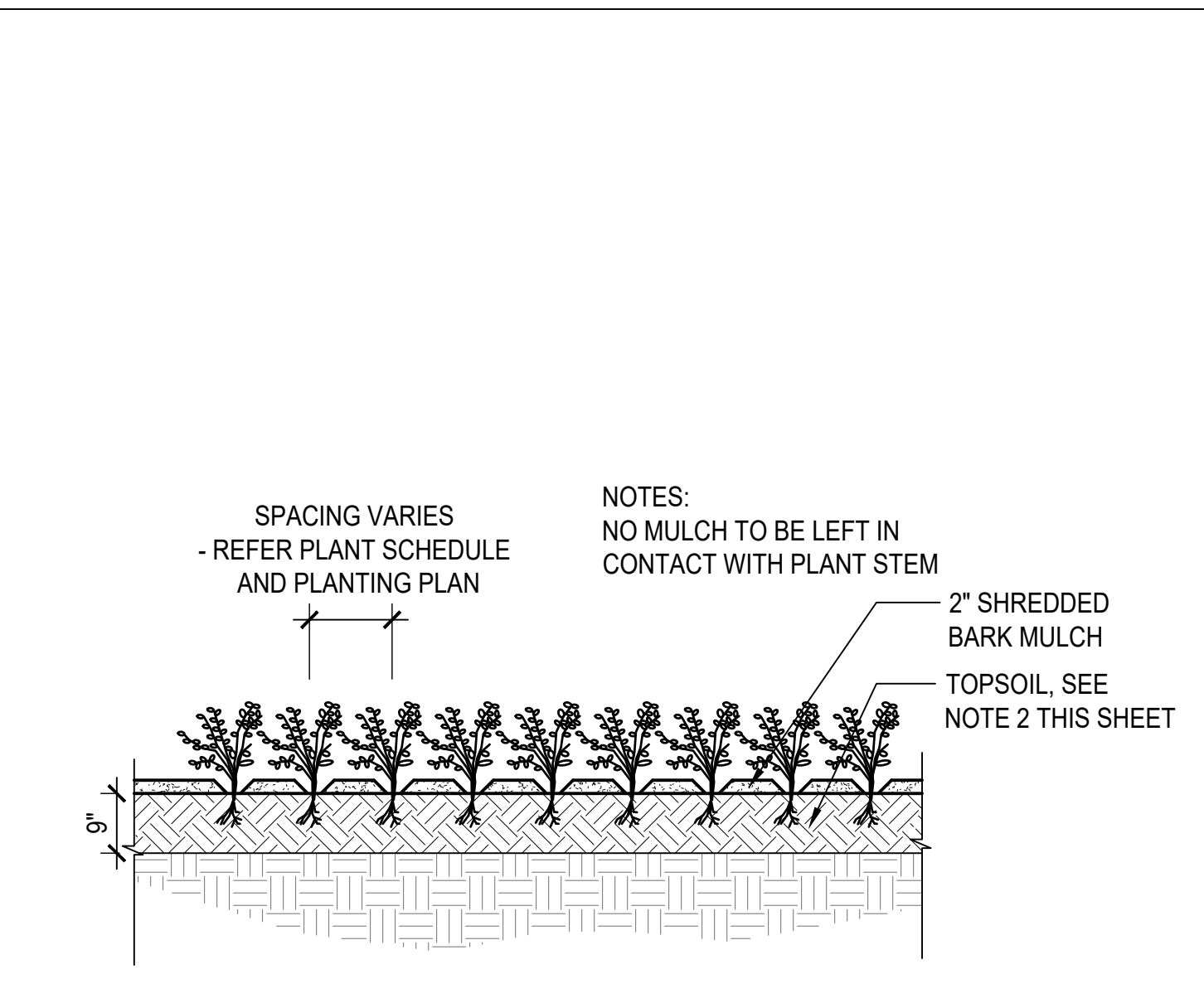


Sheet Title:
**SITE DETAILS -
 SITE FURNISHING**

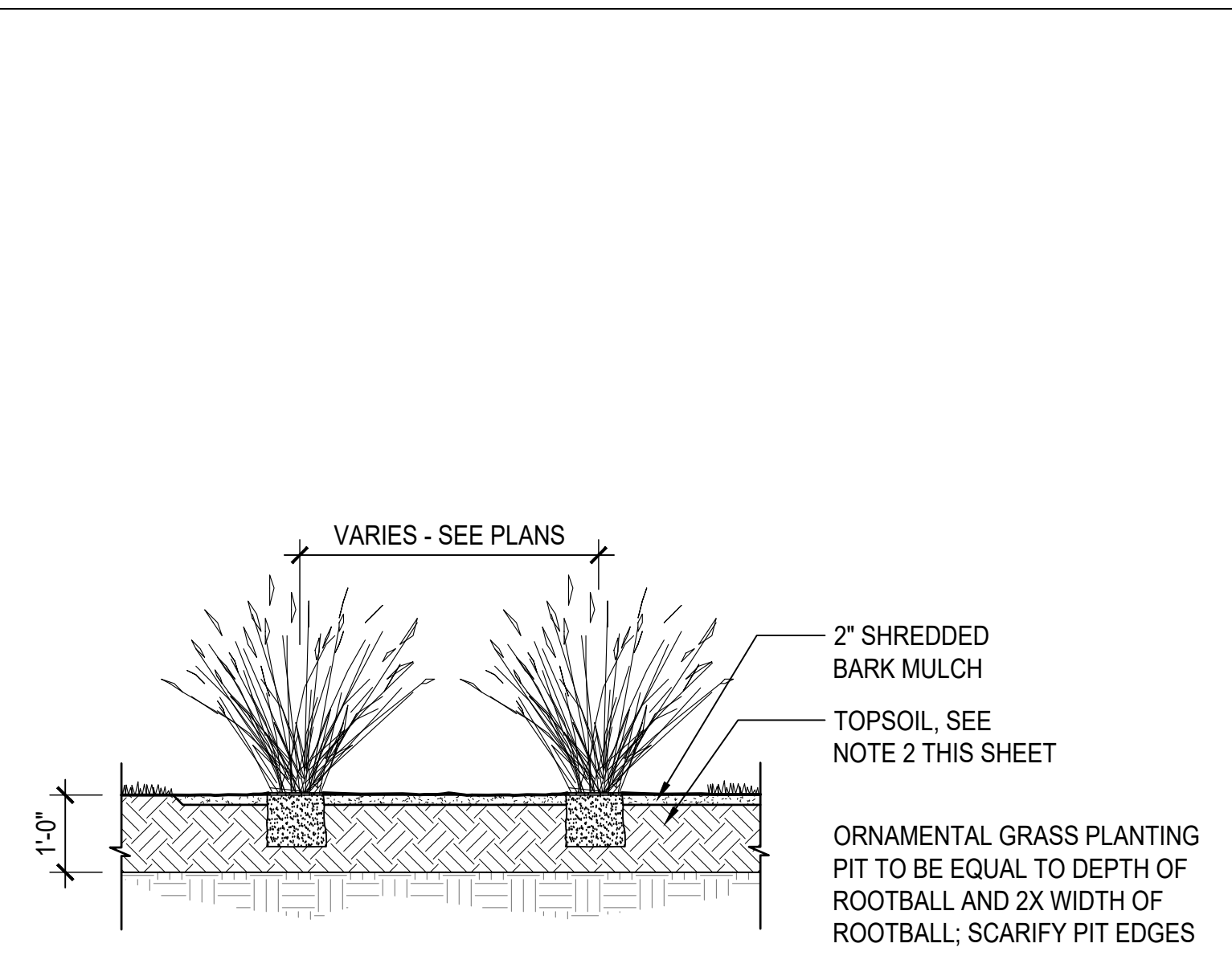
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 Project No: 1023
 Dwg By: YT, RS
 Check By: GWL

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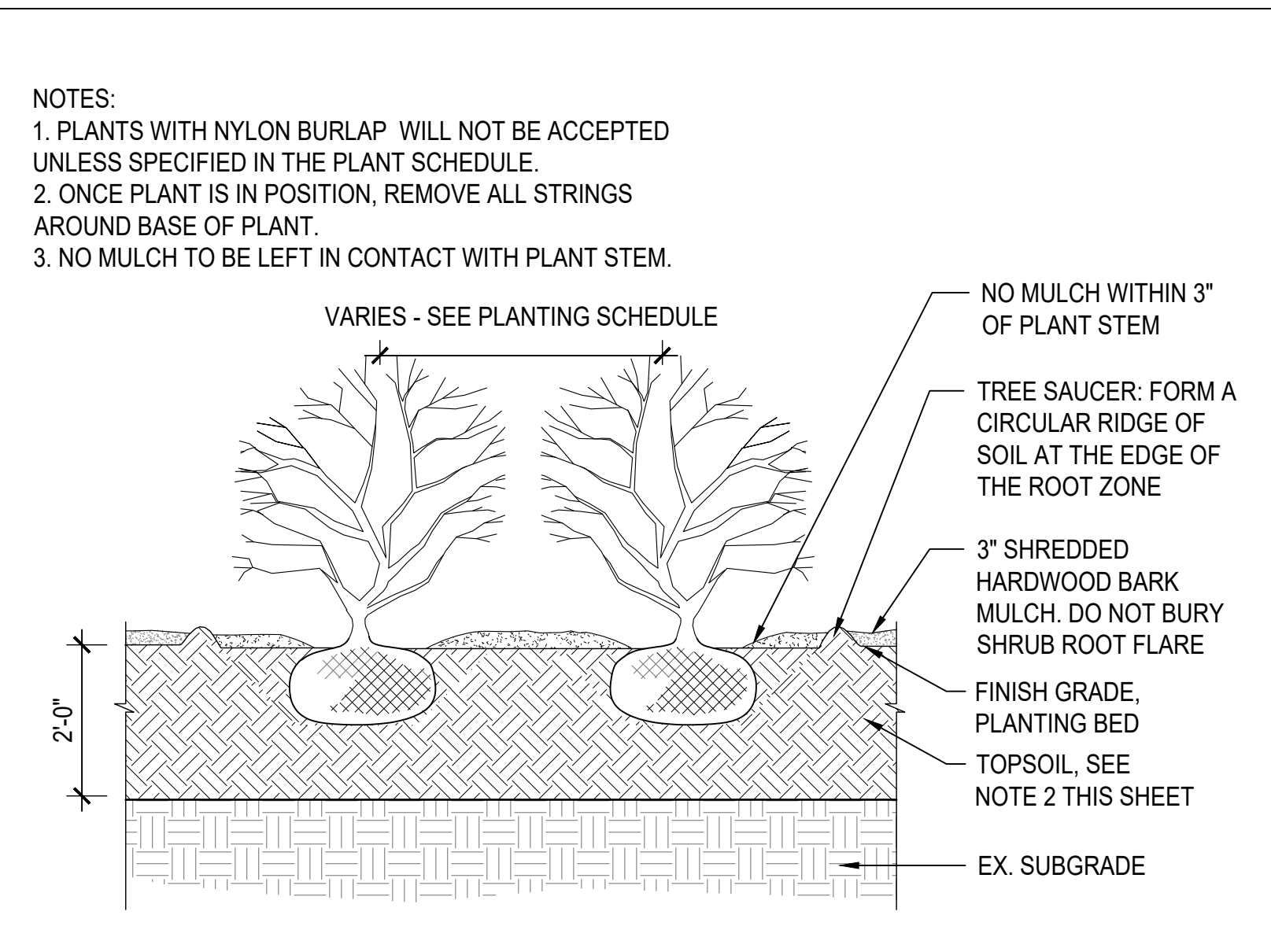
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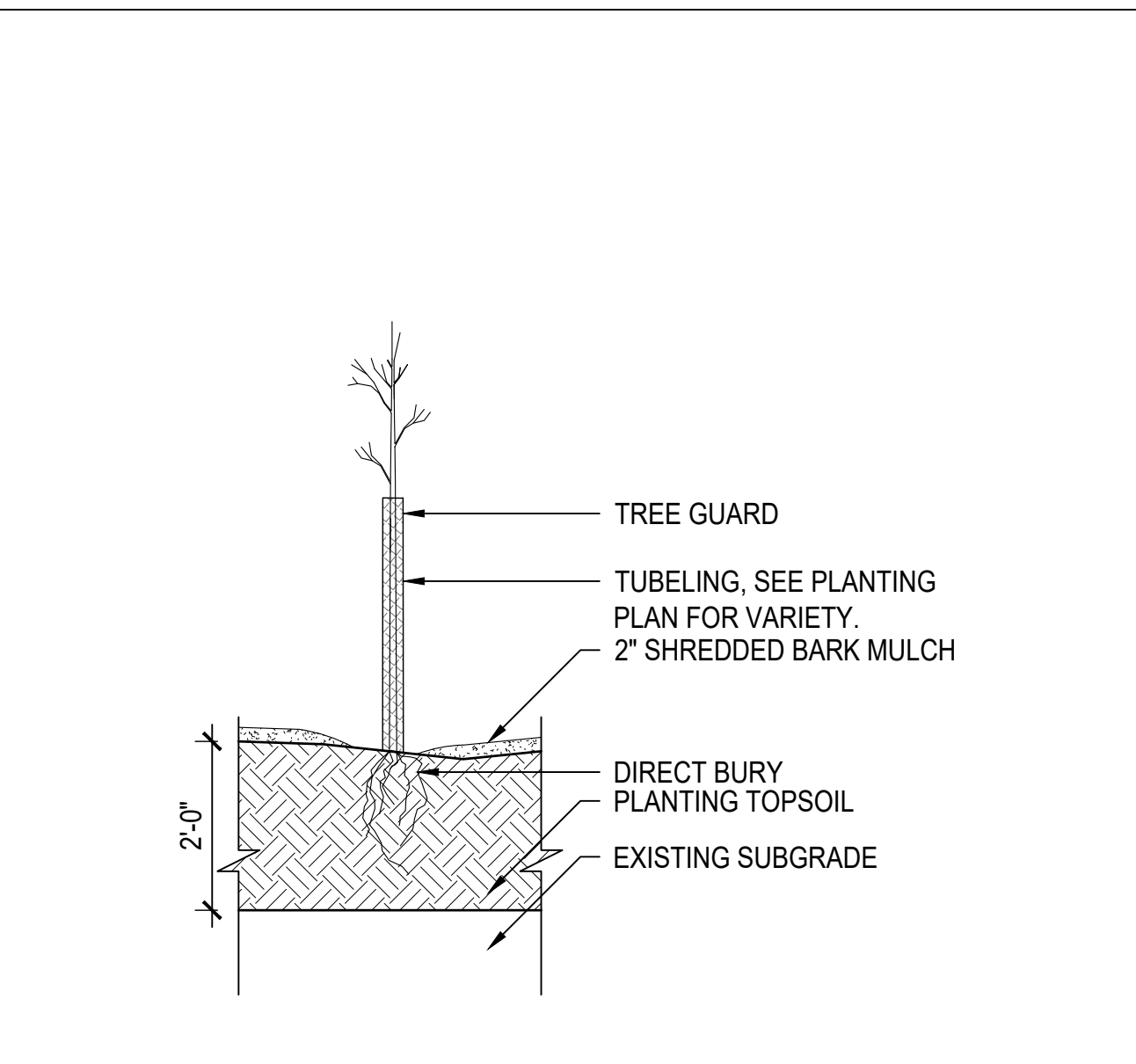
1 PLUG PLANTING 1/2" = 1'-0"



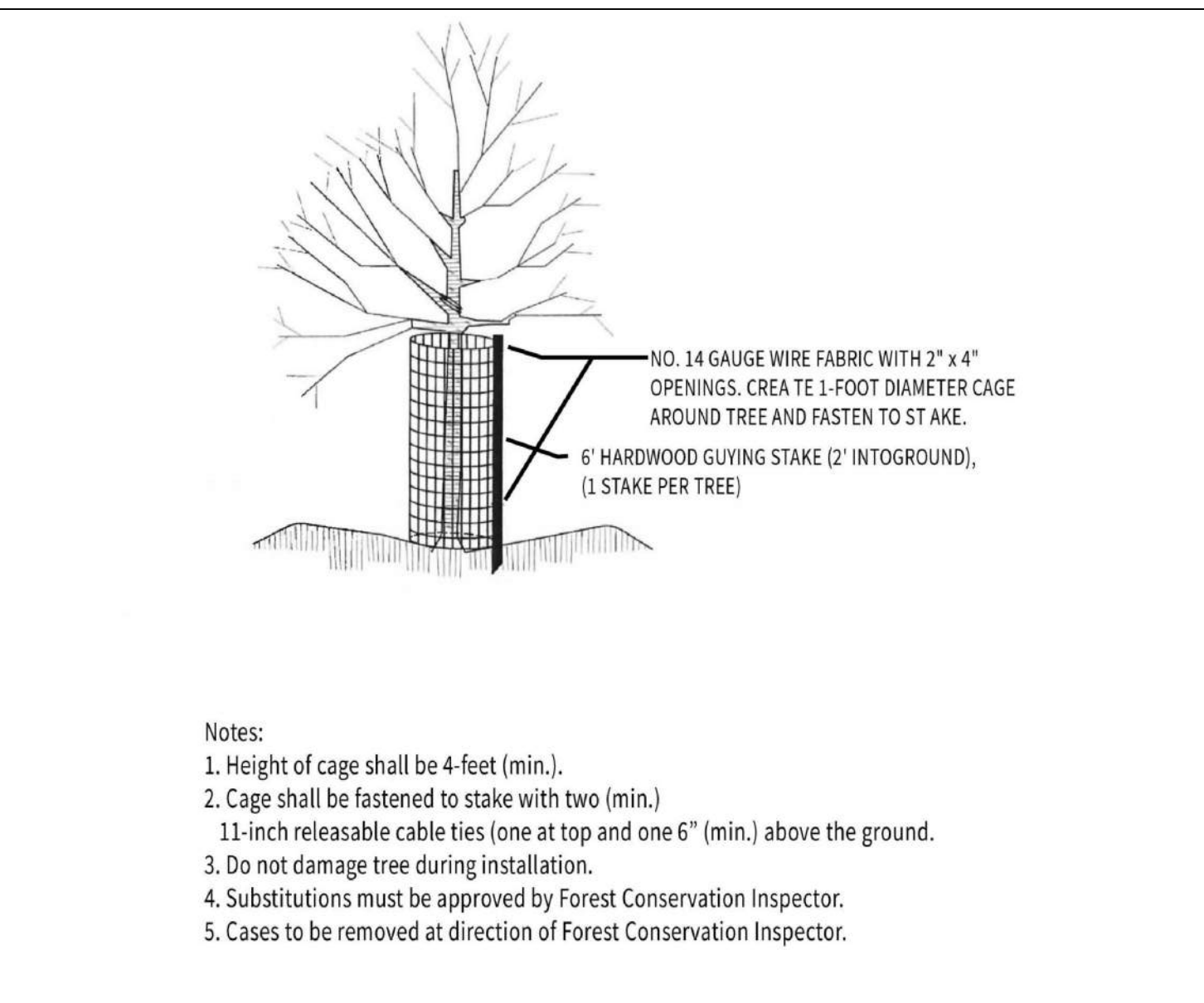
2 ORNAMENTAL PLANTING 1/2" = 1'-0"



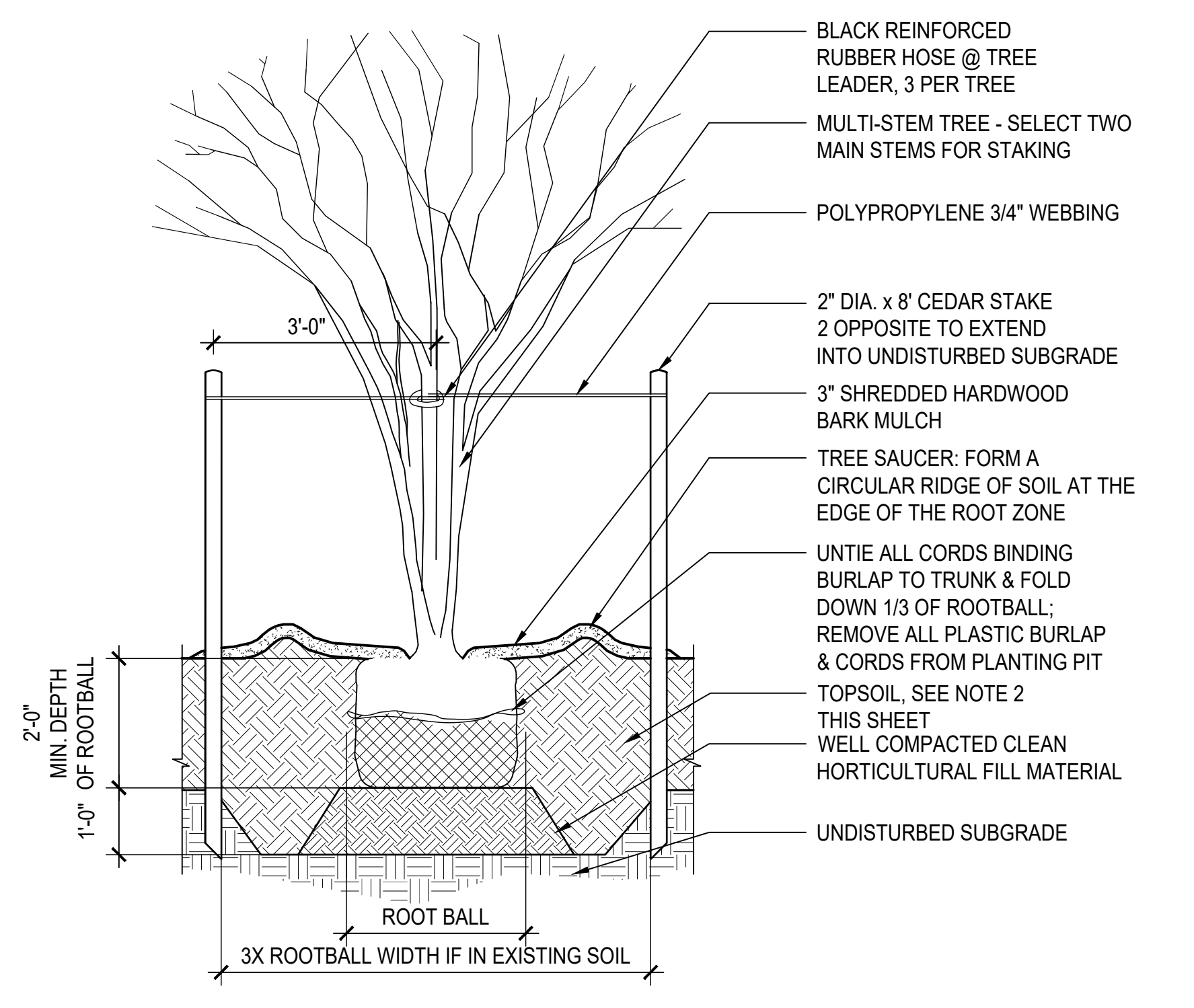
3 SHRUB PLANTING 1/2" = 1'-0"



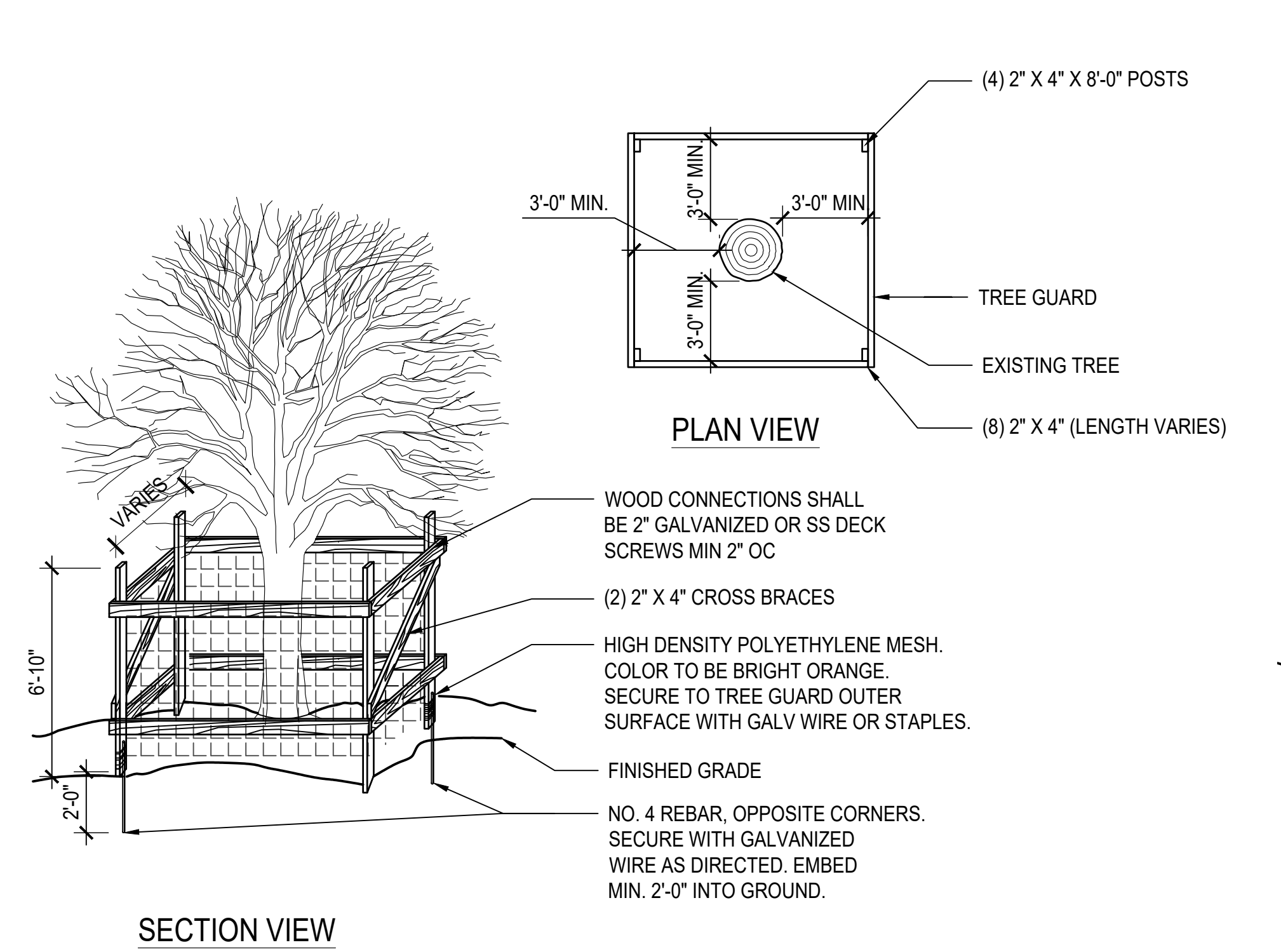
4 TUBELING WITH DEER PROTECTION FENCE 1/2" = 1'-0"



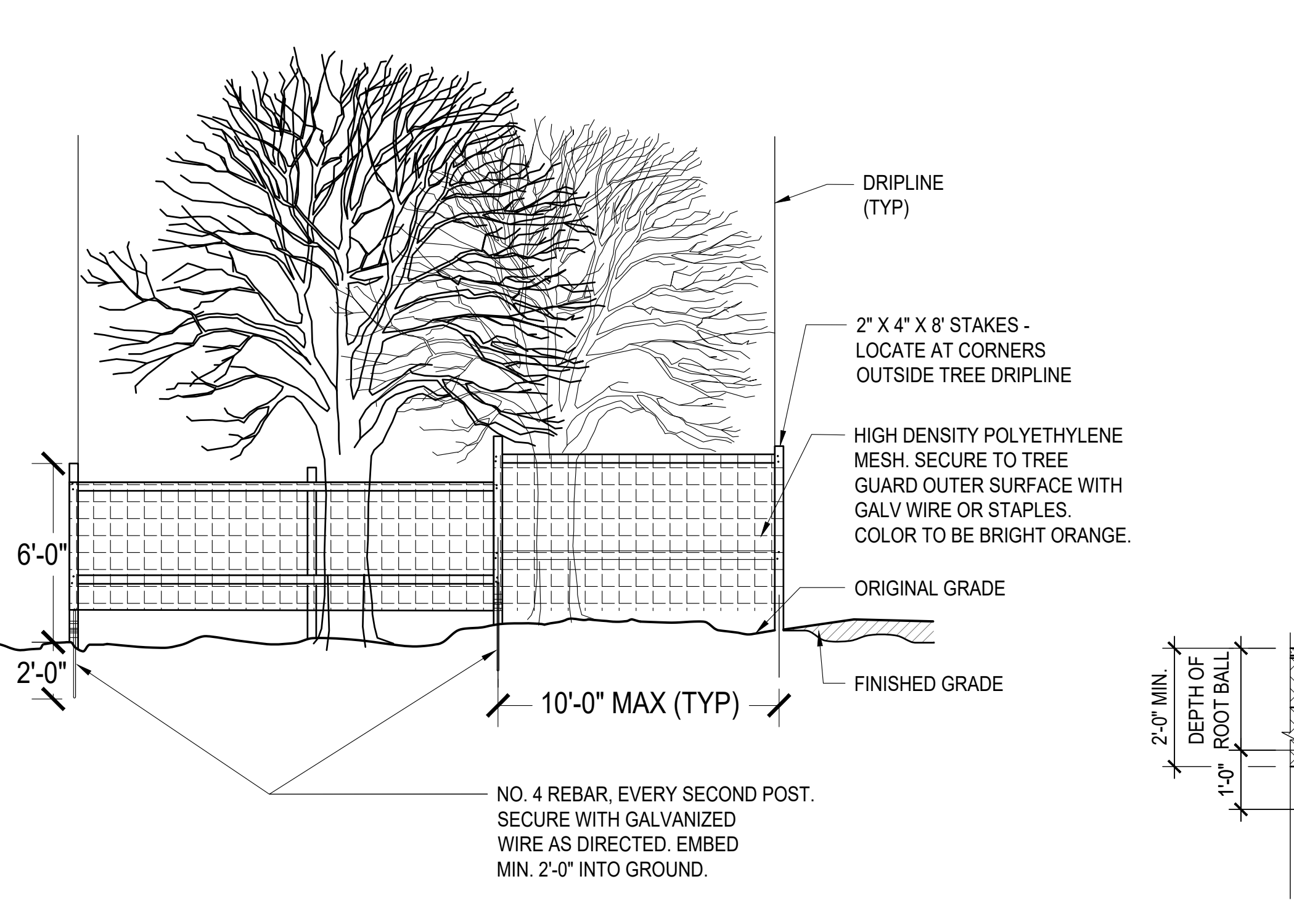
5 DEER PROTECTION FENCE NTS



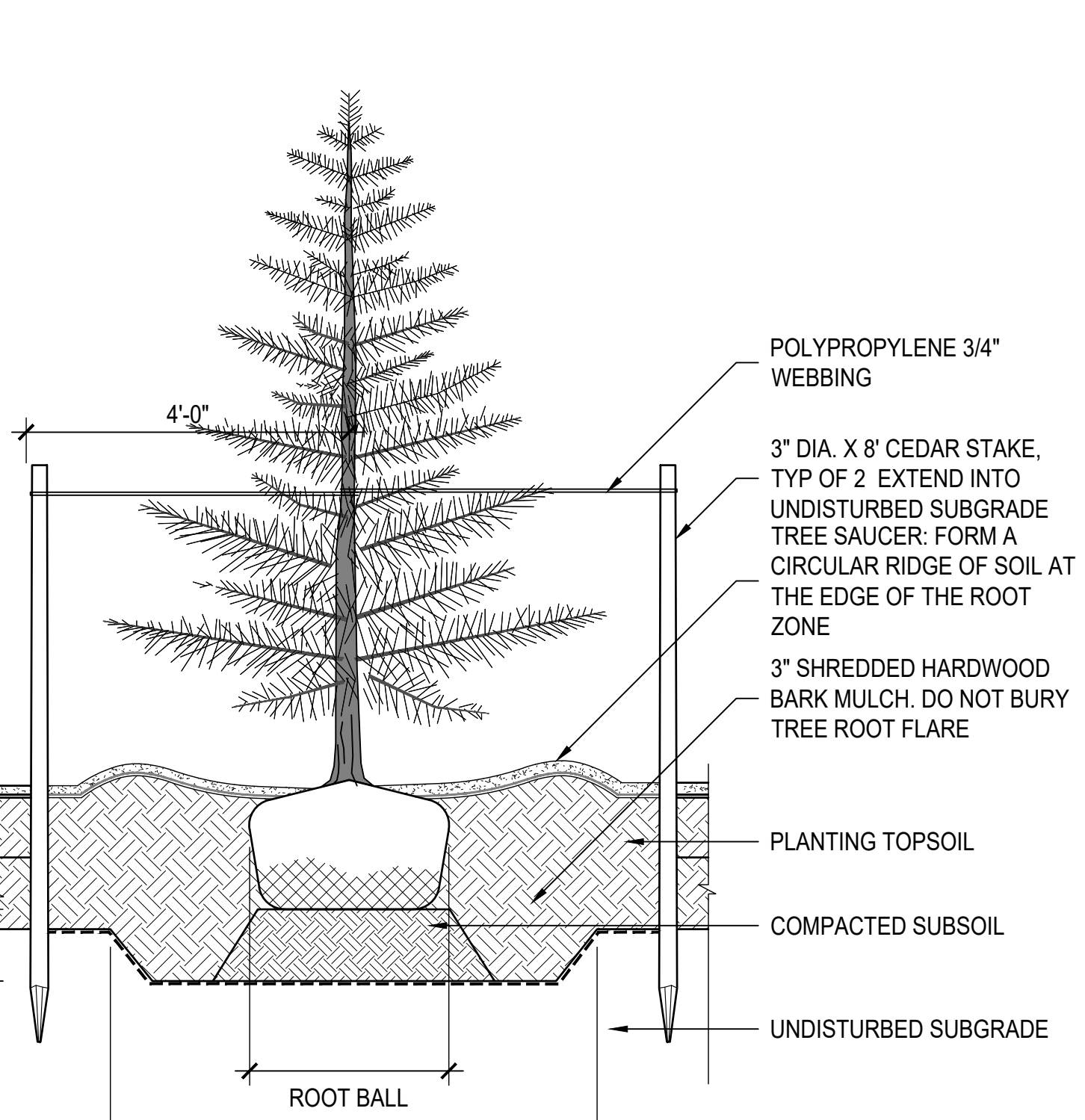
6 MULTISTEM TREE PLANTING 1/2" = 1'-0"



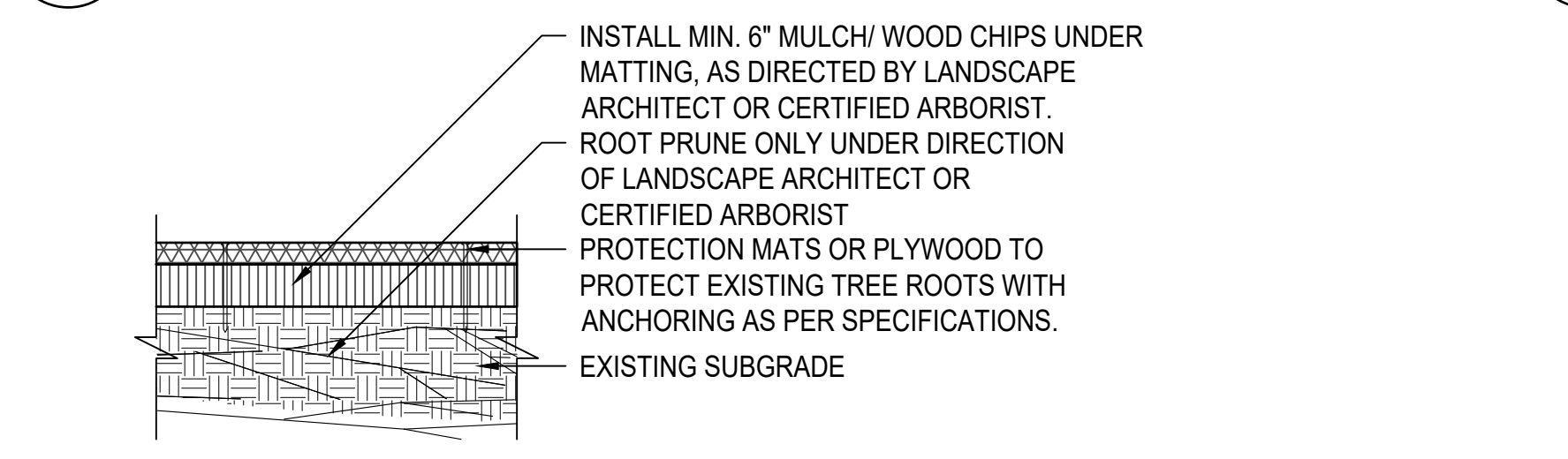
7 TREE PROTECTION GUARD - CONSTRUCTION 1/4" = 1'-0"



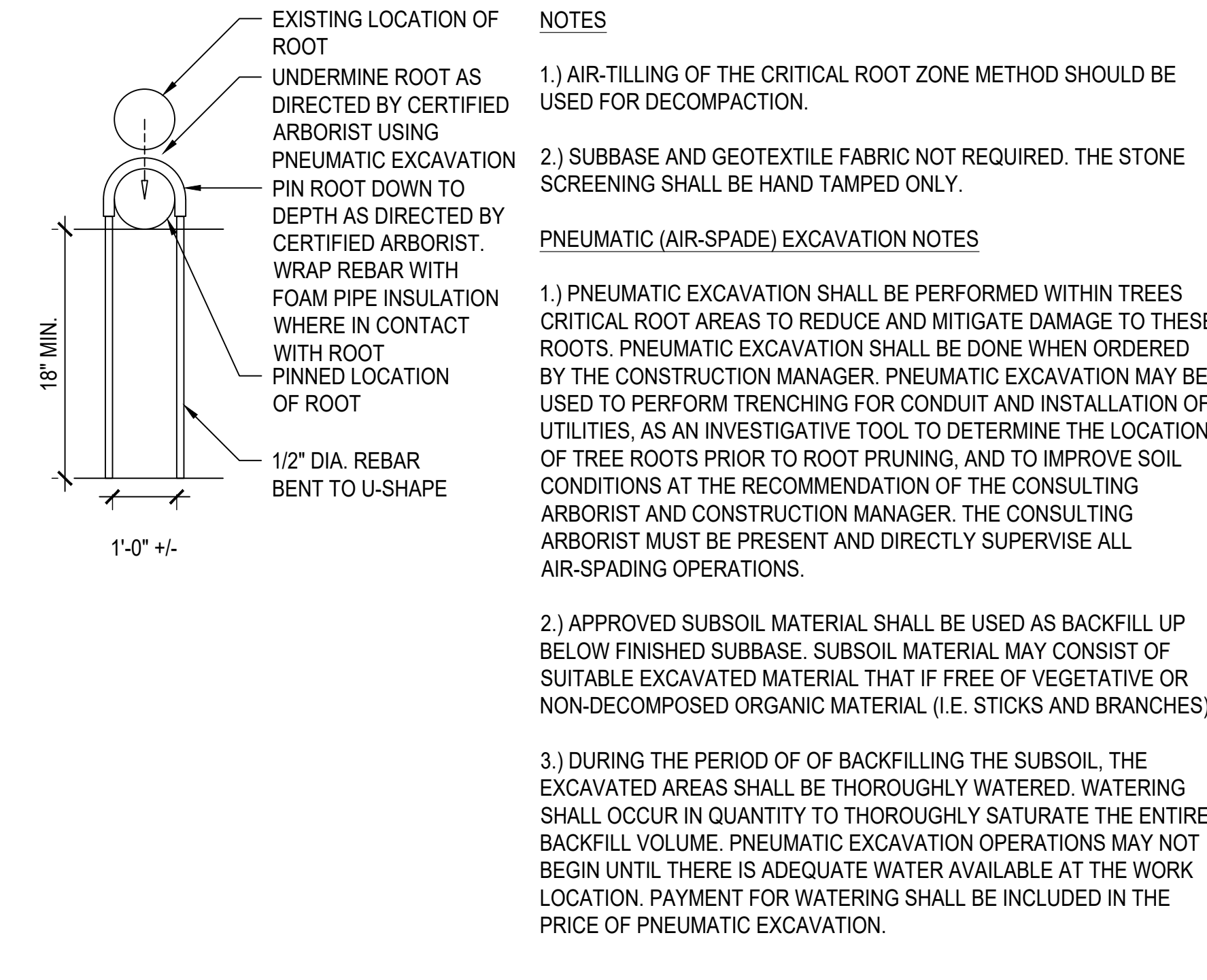
8 TREE PROTECTION FOR GROVES - CONSTRUCTION 1/4" = 1'-0"



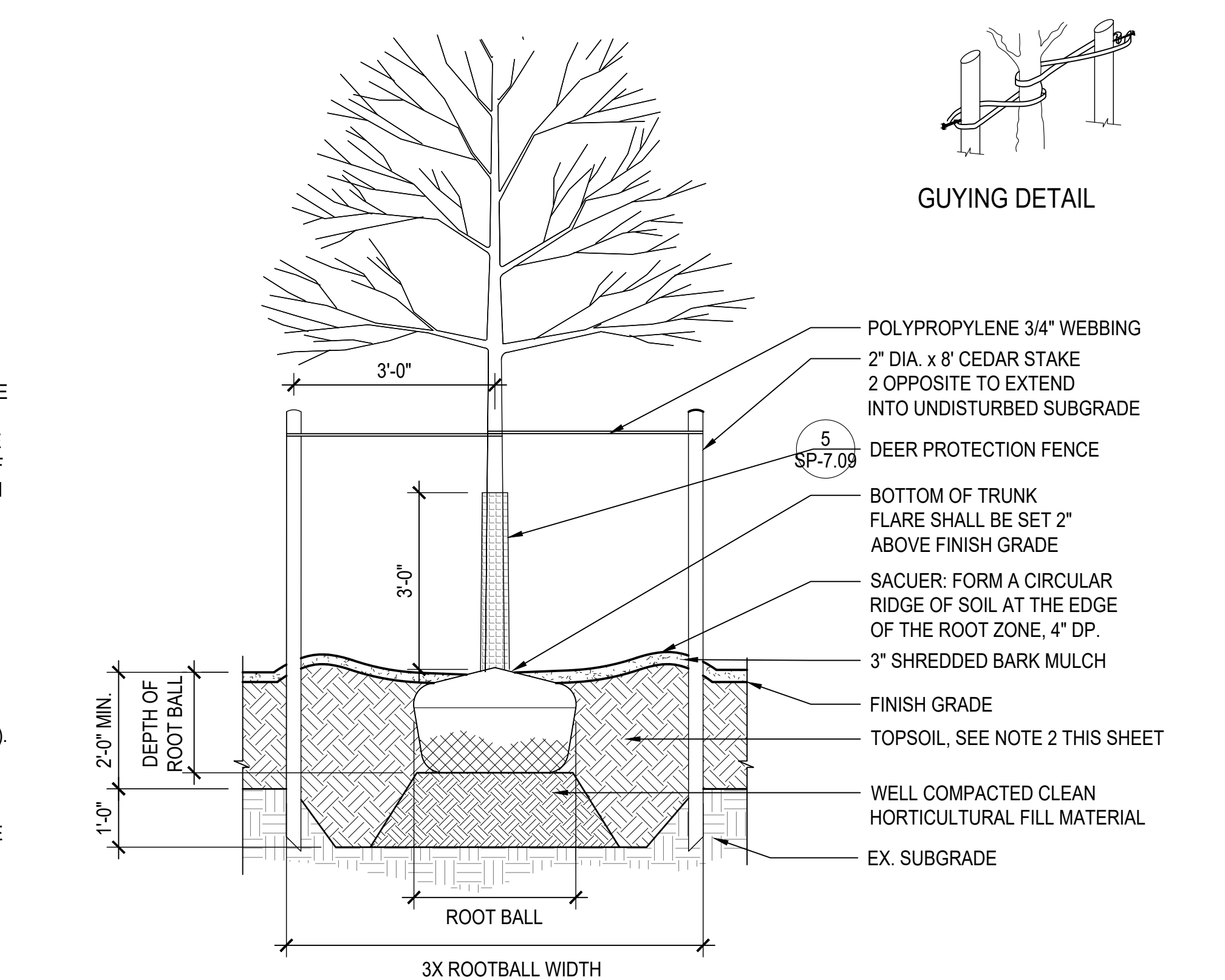
9 EVERGREEN TREE PLANTING 1/2" = 1'-0"



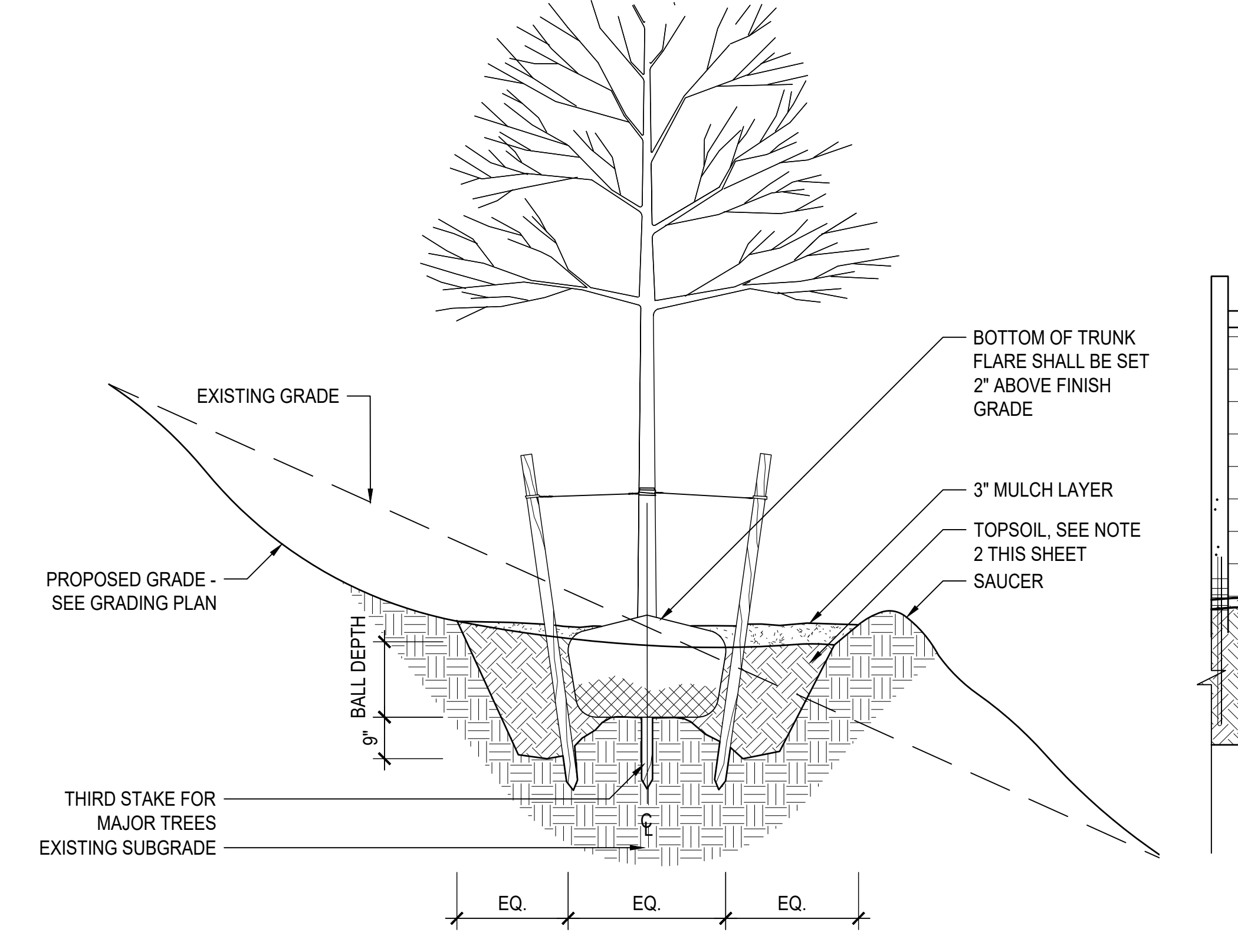
10 TREE PROTECTION MATS 1/2" = 1'-0"



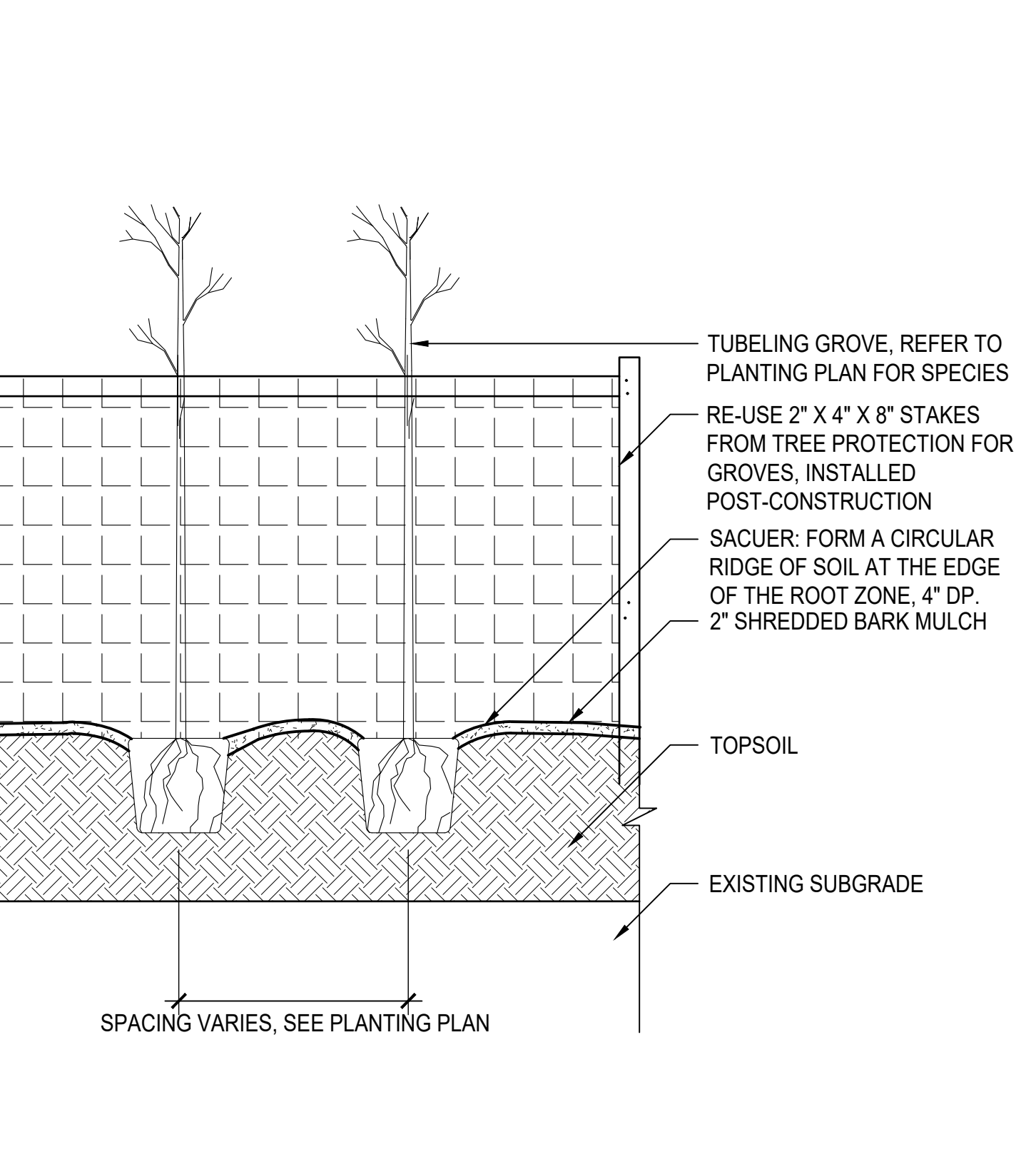
11 TREE ROOT PINNING 1/2" = 1'-0"



12 TREE PLANTING 1/2" = 1'-0"



13 TREE PLANTING ON SLOPE 1/2" = 1'-0"



14 PLANTING PROTECTION GROVE 1/2" = 1'-0"

NOTES:
 1. PLANTS WITH NYLON BURLAP WILL NOT BE ACCEPTED UNLESS SPECIFIED IN THE PLANT SCHEDULE.
 2. ONCE PLANT IS IN POSITION, REMOVE ALL STRINGS AROUND BASE OF PLANT.
 3. NO MULCH TO BE LEFT IN CONTACT WITH PLANT STEM.

Notes:
 1. Height of cage shall be 4-feet (min).
 2. Cages shall be fastened to stake with two (min).
 11-inch releasable cable ties (one at top and one 6" (min.) above the ground).
 3. Do not damage tree during installation.
 4. Substitutions must be approved by Forest Conservation Inspector.
 5. Cases to be removed at direction of Forest Conservation Inspector.

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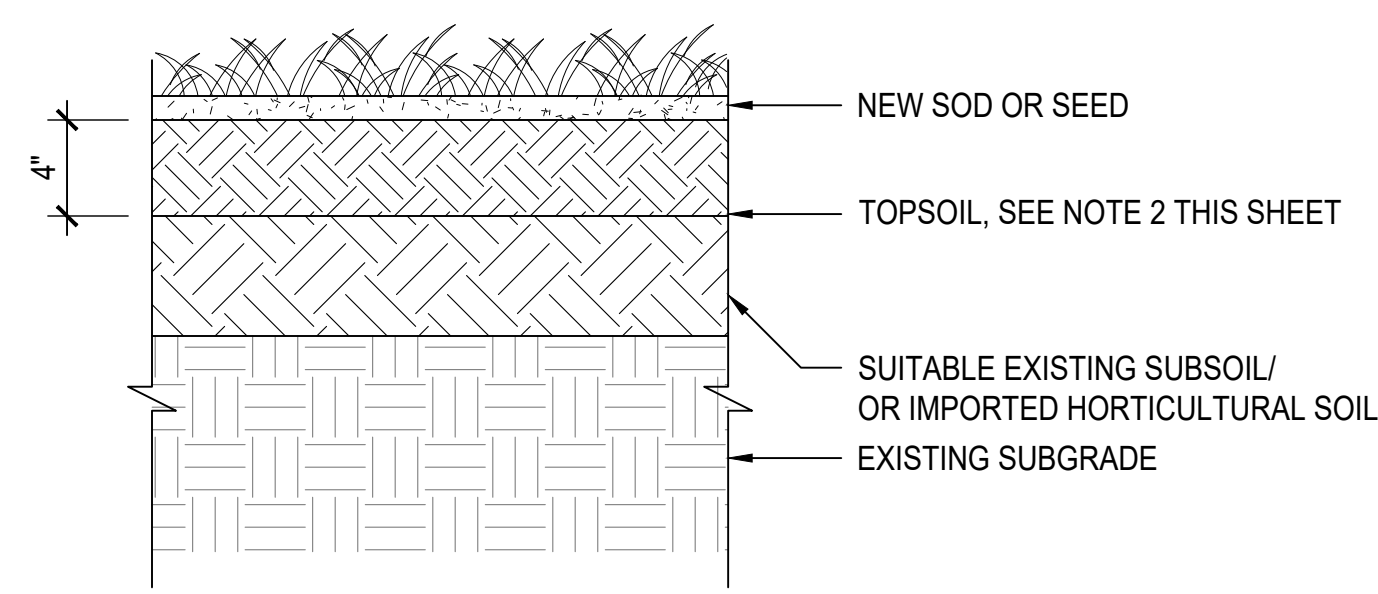


Sheet Title:
SITE DETAILS - PLANTING

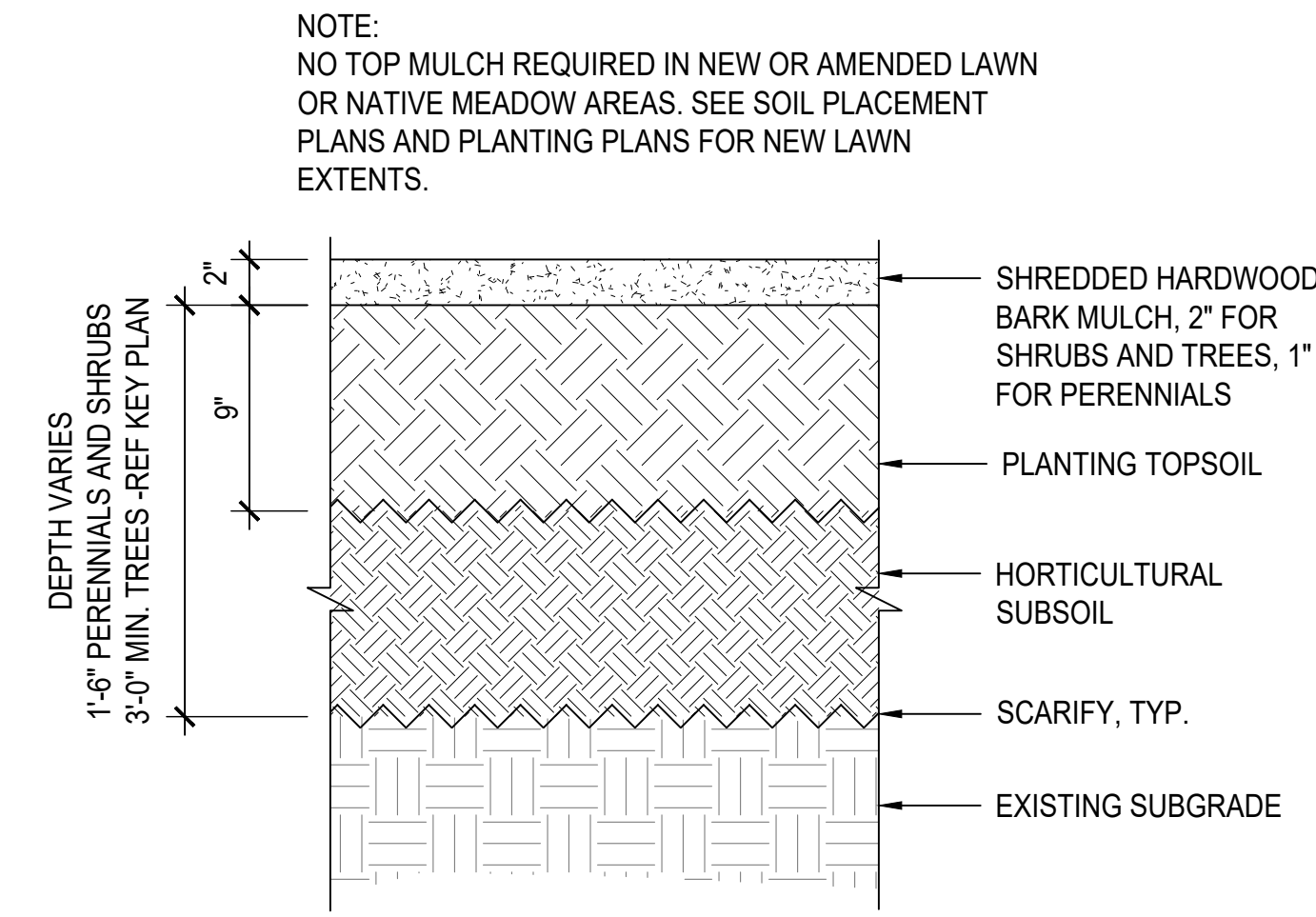
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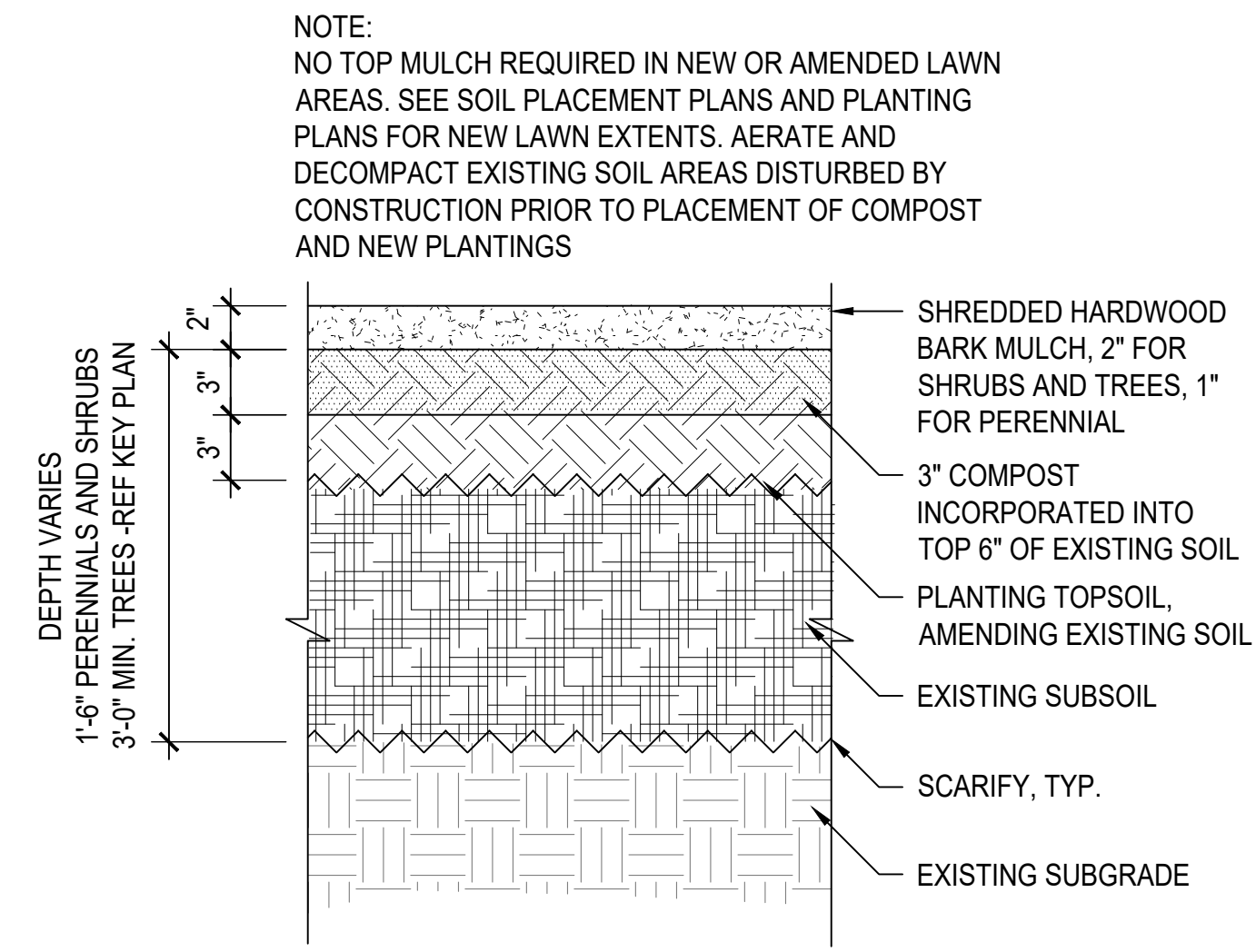
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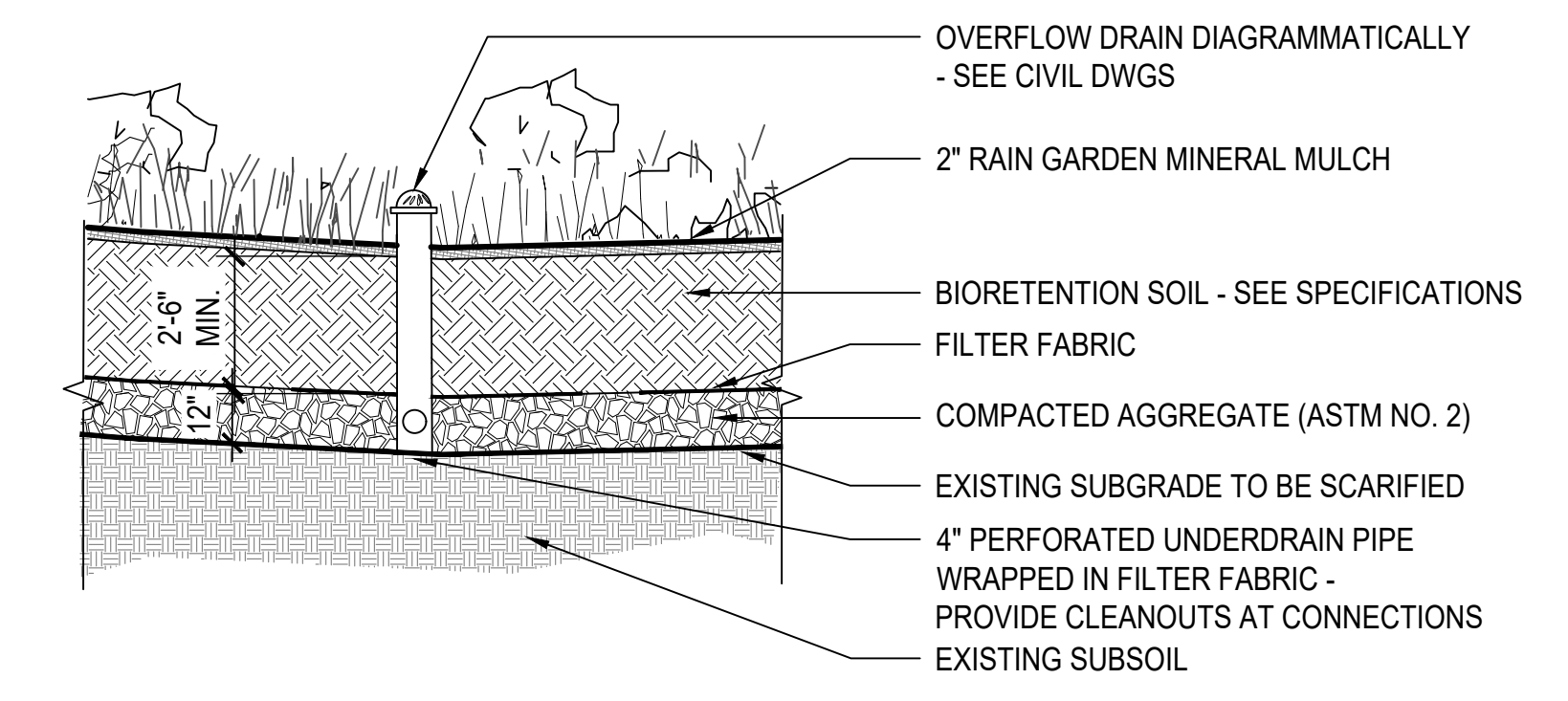
1 SOIL PROFILE - LAWN 1 1/2" = 1'-0"



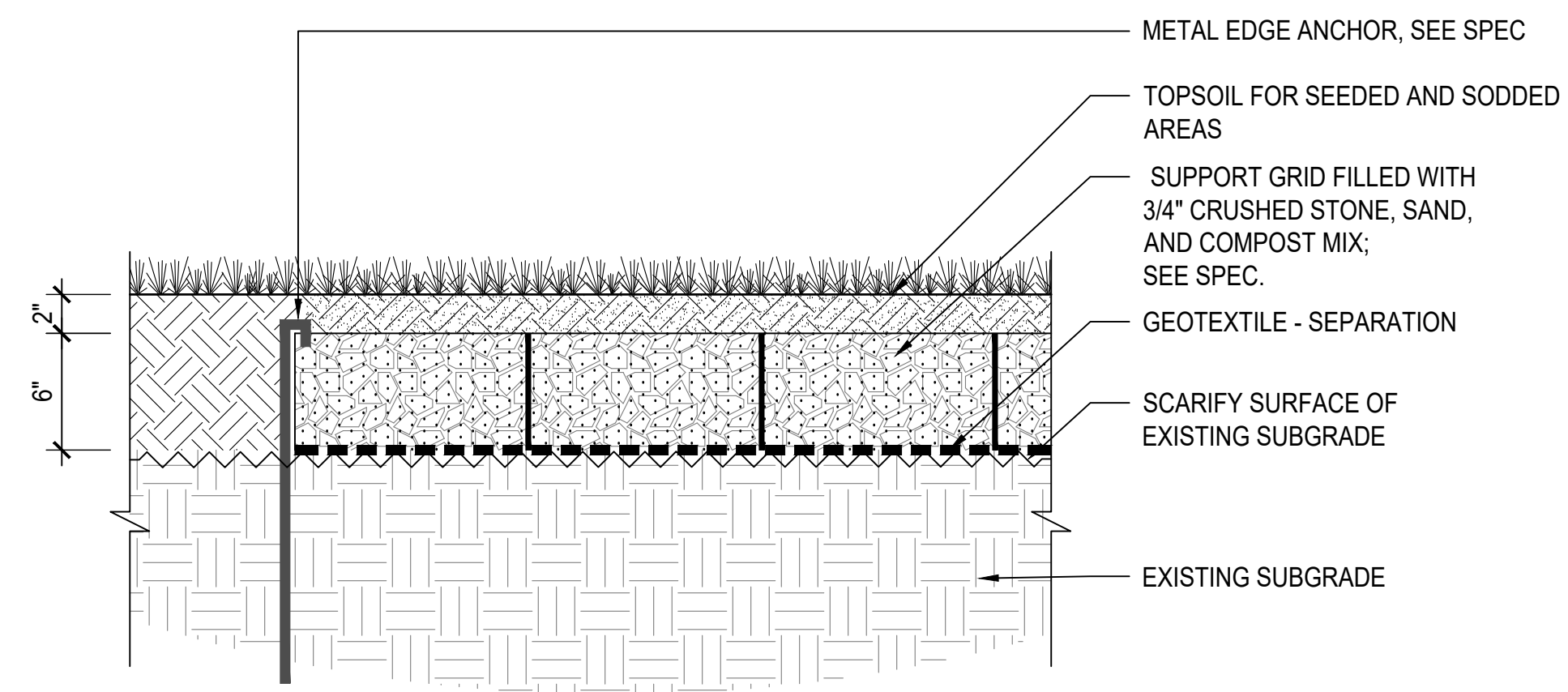
2 SOIL PROFILE - NEW FULL DEPTH 1 1/2" = 1'-0"



3 SOIL PROFILE - AMEND EXISTING SOIL 1 1/2" = 1'-0"



4 RAIN GARDEN SOIL PROFILE 3/8" = 1'-0"



5 STABILIZED TURF 1 1/2" = 1'-0"

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Date	Issue
10/4/24	For planning board review

Seal and Signature:

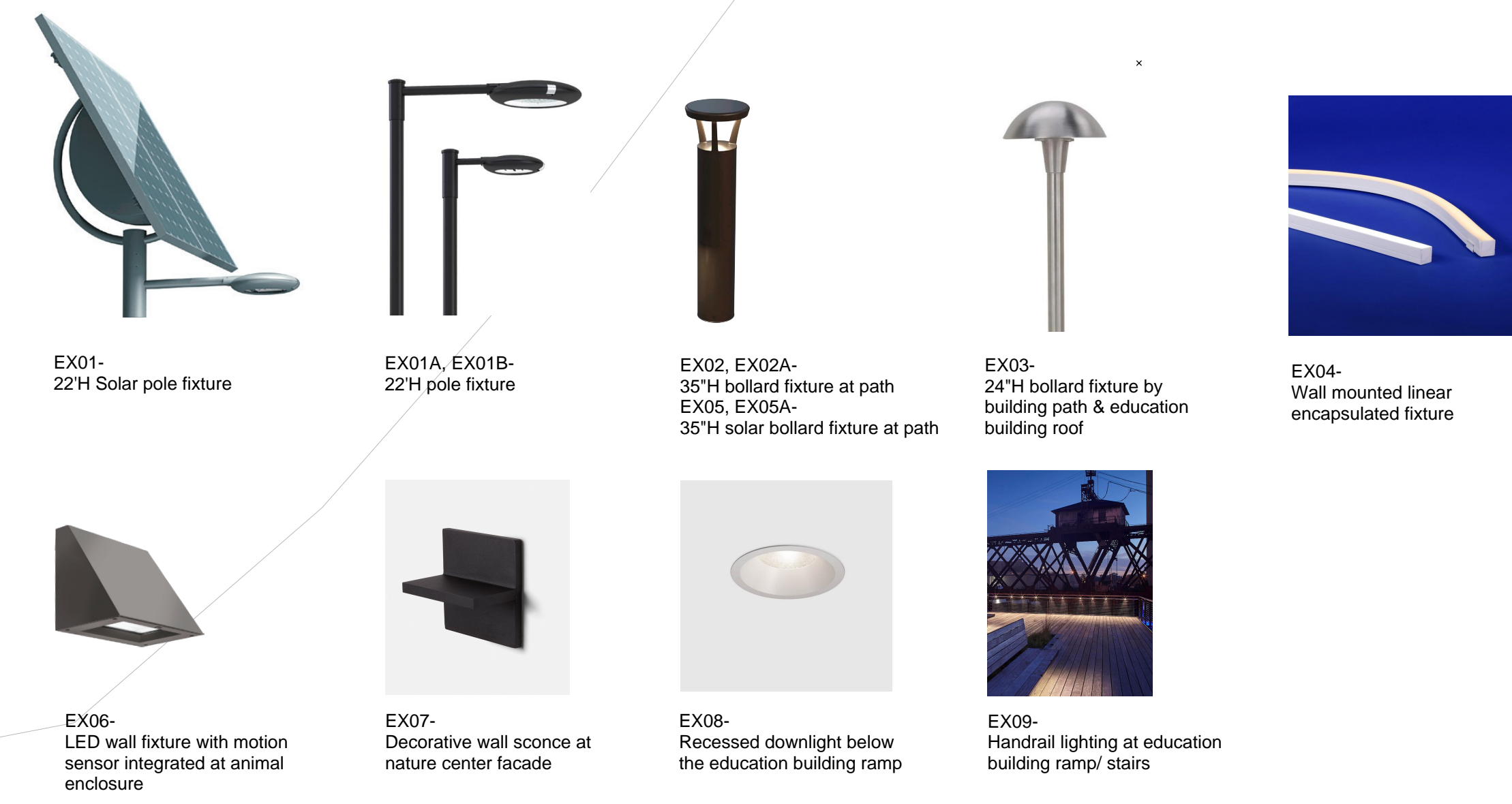


Sheet Title:
**SITE DETAILS -
SOIL PROFILES**

Date: 2 July, 2024
Project No: 1023
Dwg By: YT, RS
Check By: GWL

SP-7.10

Pg No: **XX OF XXX**



ILLUMINANCE CALCULATION
VALUES IN FOOTCANDLES

Note: Calculated illuminance values can vary +/-10-15% from actual measured values due to limitations in software and ability to model actual environment. Differences may also be due to necessary assumptions about surface reflectances, furniture, architectural forms, etc that deviate from the actual environment. Exterior surface reflectances: floor=0.15. Fixture light lost factor= 0.9

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Date	Issue
10/04/24	For planning board review

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Sheet Title:
SITE LIGHTING PLAN

Date: 04 October, 2024
Project No:
Dwg By: Author
Chk By: Checker

SP-8.00

Pg No:



Project:
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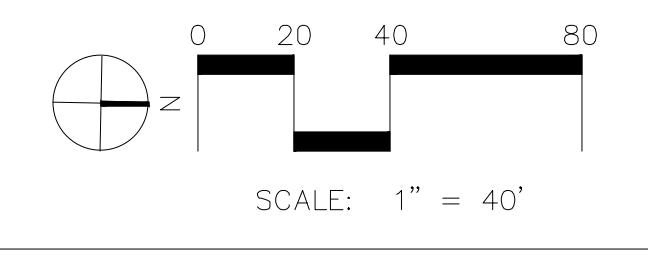


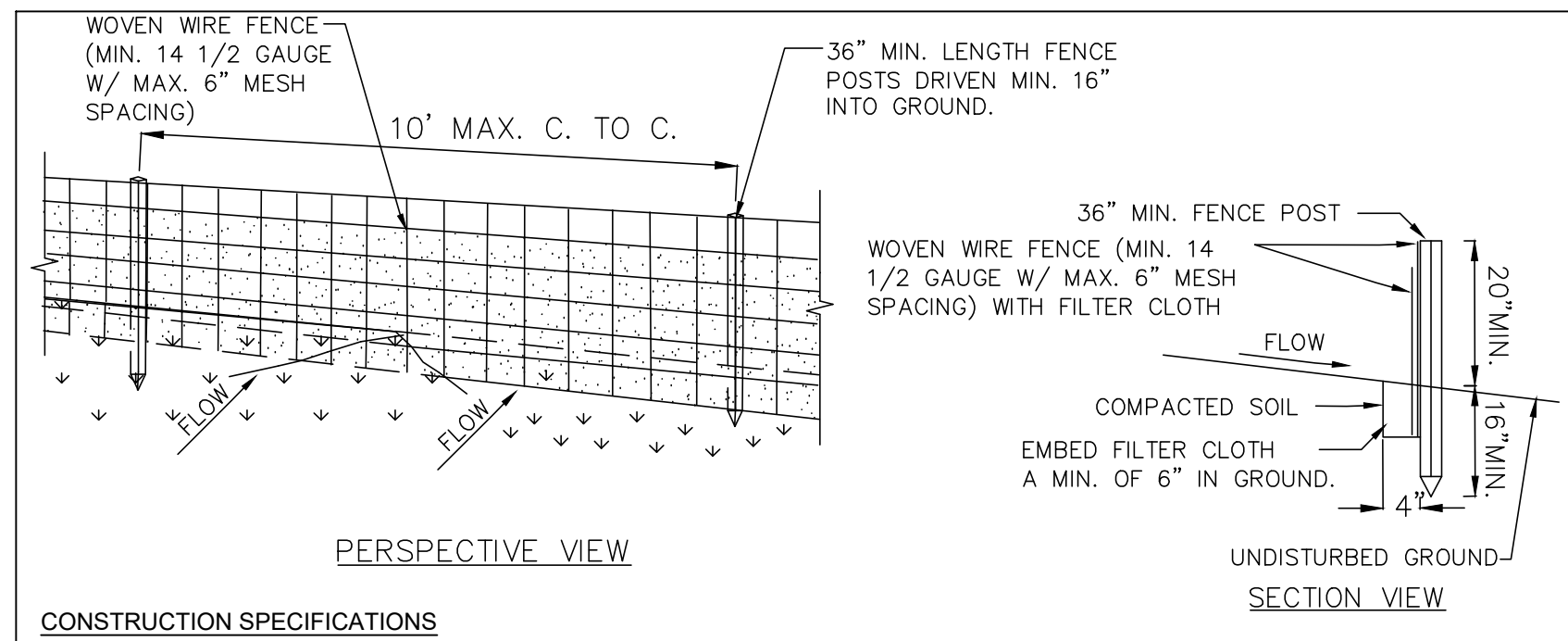
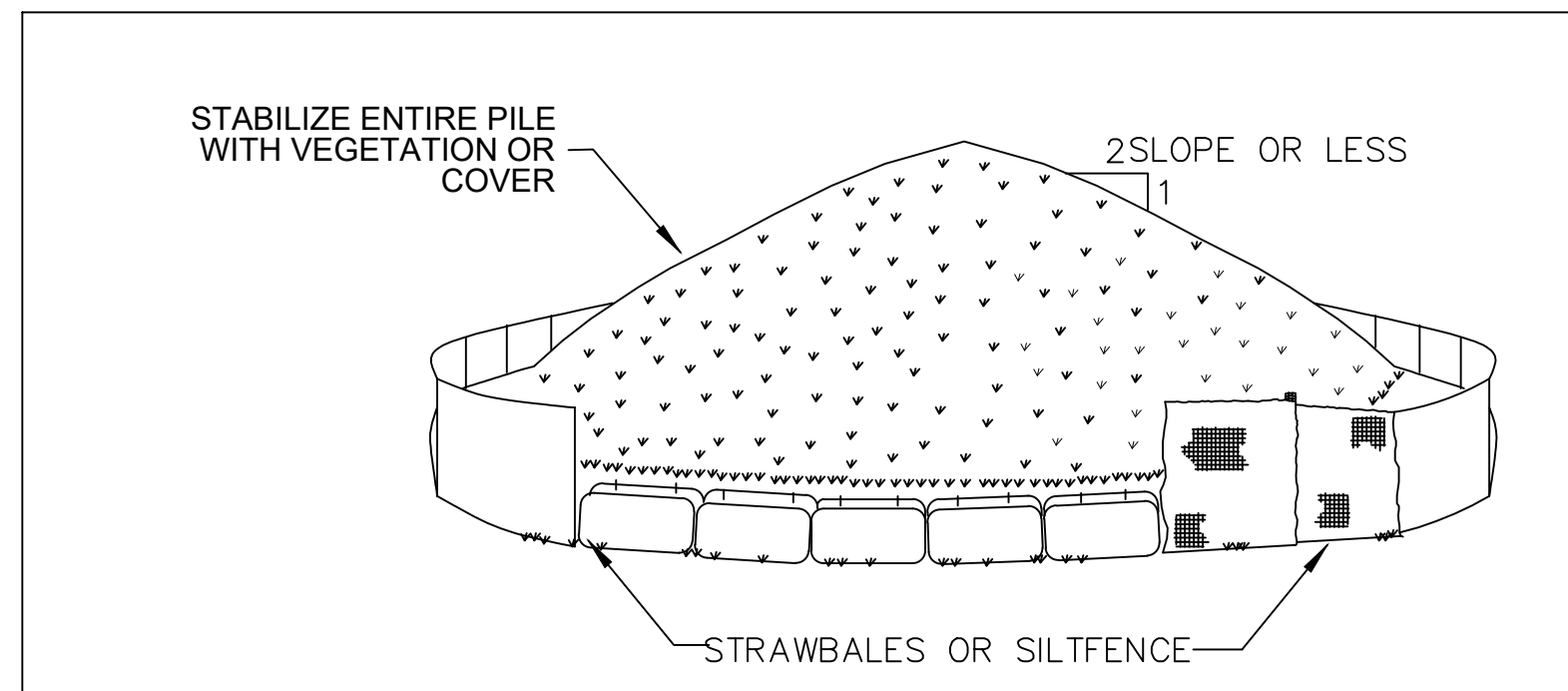
Sheet Title:
EROSION & SEDIMENT
CONTROL PLAN

Date: 2 July 2024
Project No: 1023
Dwg By: RCC/HV
Chk By: MSG

SP-9.00

Pg No:





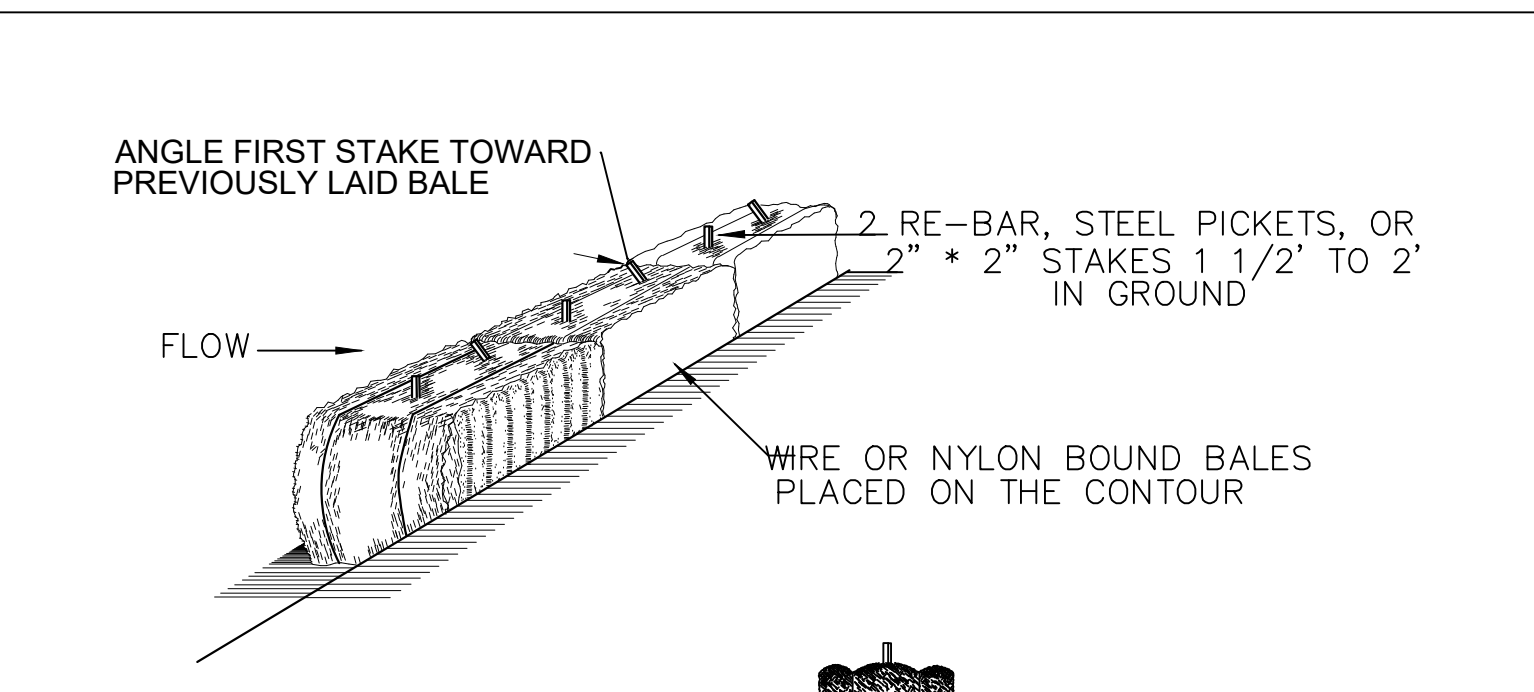
CONSTRUCTION SPECIFICATIONS

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

THE SILT FENCE INSTALLATION SHALL BE COORDINATED WITH THE CONSTRUCTION PHASING. THE MAXIMUM ALLOWABLE SLOPE LENGTHS BETWEEN SILT FENCES PLACED ON SLOPE ARE:

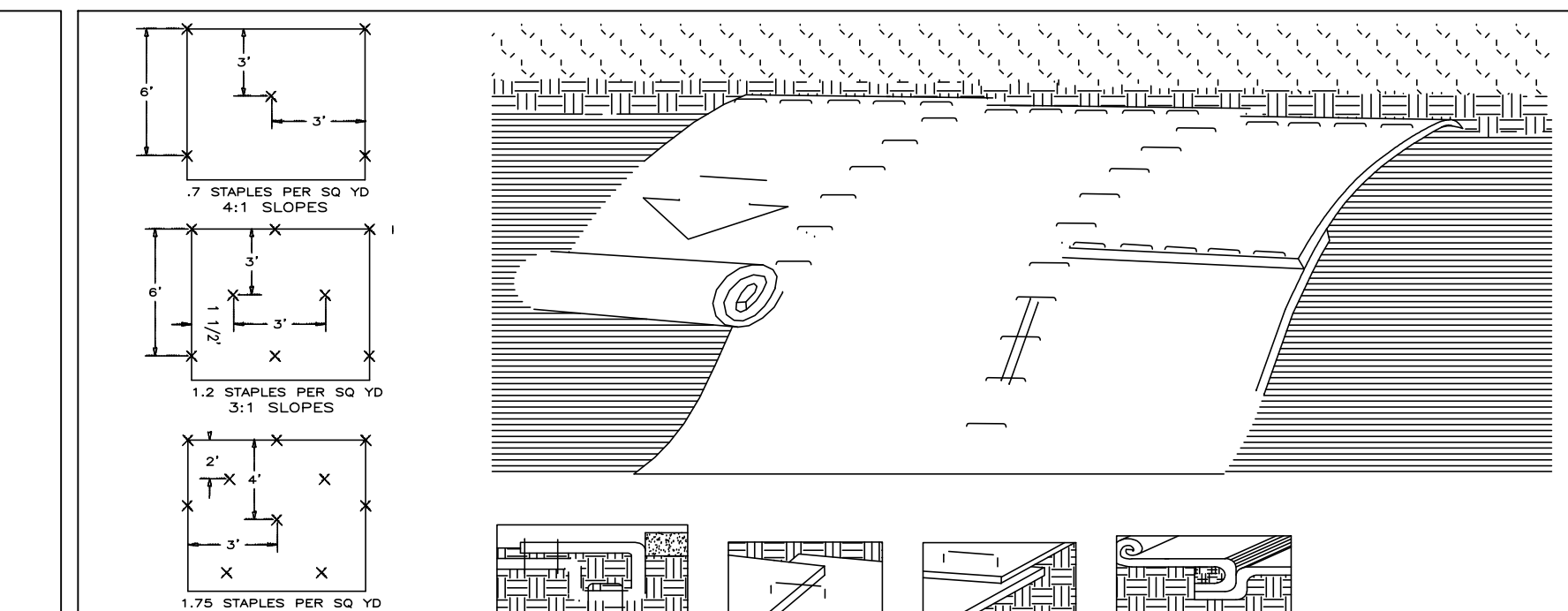
SLOPE	MAX. SLOPE LENGTH
2:1	50'
3:1	50'
4:1	75'
5:1	100'

OR FLATTER



INSTALLATION NOTES

- BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4".
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR RE-BAR ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.



INSTALLATION GUIDELINES

- Prepare the soil surface including raking, seeding, and fertilizing.
- Begin the installation process by digging a trench 6" deep by 6" wide at the top of the slope. Place 12" of blanket over the up-slope portion of the trench. Secure the blanket at the bottom of the trench with staples placed 12" apart. Backfill and compact the trench. Apply seed and fold the remaining 12" of blanket over soil, secure with a row of staples placed 12" apart across the width of the blanket. (See Diagram A)
- Roll the blanket vertically down the slope. Secure using the appropriate staple pattern shown hereon specified by slopes.
- Parallel blankets must be overlapped by a minimum 4" and secured with a row of staples placed approximately 3'-0" apart. (See Diagram B)
- Additional vertical blankets can be joined using a minimum 4" overlapping in the direction of water flow. Connect the blankets by using staples approximately 12" apart across the width of the blanket. (See Diagram C)
- For maximum performance a check slot should be placed at 20-40' intervals. A 6" deep by 6" wide trench is made. The blanket is placed at the bottom of the trench and covered with approximately 2" of soil. The blanket is rolled over compacted soil and secured with staples placed 4" apart. A second row should be placed 4" below in a staggered pattern. Backfill and compact the trench. Apply seed and continue with general installation. (See Diagrams D & E)
- The end of blanket must be secured in a 6" x 6" trench with a row of staples placed at 12" intervals. (See Diagram F)

INSTALLATION NOTES

- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
- UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED AS NOTED.
- TEMPORARILY STABILIZE AS NOTED IN SPECIFICATIONS.

SOIL STOCKPILING SCALE: N.T.S.	1
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SILT FENCE SCALE: N.T.S.	2
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HAY BALES SCALE: N.T.S.	3
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ROLLED EROSION CONTROL MAT SCALE: N.T.S.	4
---	---

- CONSTRUCTION OPERATIONS SHOULD BE SCHEDULED TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ONE TIME.
- BUFFER AREAS OF VEGETATION SHOULD BE LEFT WHERE PRACTICAL.
- TEMPORARY OR PERMANENT STABILIZATION MEASURES SHALL BE INSTALLED.

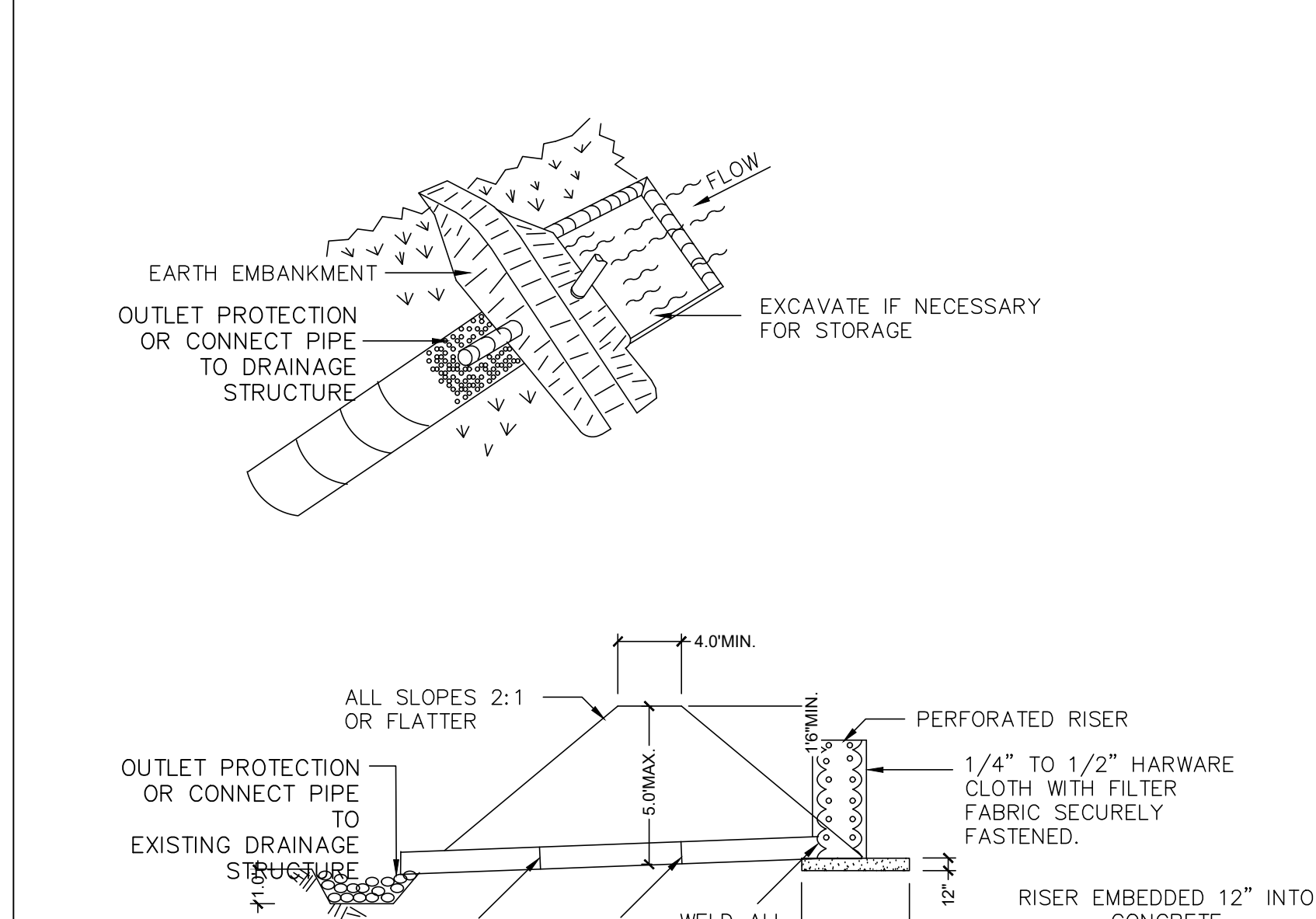
A. NON-DRIVING AREAS
THESE AREAS USE PRODUCTS AND MATERIALS APPLIED OR PLACED ON SOIL SURFACES TO PREVENT AIRBORNE MIGRATION OF SOIL PARTICLES.

- VEGETATIVE COVER
FOR DISTURBED AREAS NOT SUBJECT TO TRAFFIC, VEGETATION PROVIDES THE MOST PRACTICAL METHOD OF DUST CONTROL.
- MULCH (INCLUDING GRAVEL MULCH)
MULCH OFFERS A FAST EFFECTIVE MEANS OF CONTROLLING DUST. THIS CAN ALSO INCLUDE ROLLED EROSION CONTROL BLANKETS.

B. DRIVING AREAS
THESE AREAS UTILIZE WATER AND BARRIERS TO PREVENT DUST MOVEMENT FROM THE TRAFFIC SURFACES INTO THE AIR.

- SPRINKLING
THE SITE MAY BE SPRAYED WITH WATER UNTIL THE SURFACE IS WET. THIS IS ESPECIALLY EFFECTIVE ON HAUL ROADS AND ACCESS ROUTES.
- BARRIERS
WOVEN GEOTEXTILES CAN BE PLACED ON THE DRIVING SURFACE TO EFFECTIVELY REDUCE DUST THROW AND PARTICLE MIGRATION ON HAUL ROADS. STONE CAN ALSO BE USED FOR CONSTRUCTION ROADS FOR EFFECTIVE DUST CONTROL.
- WINDBREAK
A SILT FENCE OR SIMILAR BARRIER CAN CONTROL AIR CURRENT AT INTERVALS EQUAL TO TEN TIMES THE BARRIER HEIGHT. PRESERVE EXISTING WIND BARRIER VEGETATION AS MUCH AS PRACTICAL.

MAINTENANCE
MAINTAIN DUST CONTROL MEASURES THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS ARE STABILIZED



CONSTRUCTION SPECIFICATIONS

- AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT.
- THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVELING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
- VOLUME OF SEDIMENT STORAGE SHALL BE 3600 CUBIC FEET PER ACRE OF CONTRIBUTORY DRAINAGE.
- SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED.
- THE STRUCTURE SHALL BE REMOVED AND AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- ALL FILL SLOPES SHALL BE 2:1 OR FLATTER; CUT SLOPES 1:1 OR FLATTER.
- ALL PIPE CONNECTIONS SHALL BE WATERTIGHT.
- THE TOP 2/3 OF THE RISER SHALL BE PERFORATED WITH ONE (1) INCH DIAMETER HOLES OR SLOTS SPACED SIX (6) INCHES VERTICALLY AND HORIZONTALLY AND PLACED IN THE CONCAVE PORTION OF PIPE. NO HOLES WILL BE ALLOWED WITHIN SIX (6) INCHES OF THE HORIZONTAL BARREL.
- THE RISER SHALL BE WRAPPED WITH 1/4 TO 1/2 INCH HARDWARE CLOTH WIRE THEN WRAPPED WITH FILTER CLOTH (HAVING AN EQUIVALENT SIEVE SIZE OF 40-80). THE FILTER CLOTH SHALL EXTEND SIX (6) INCHES ABOVE THE HIGHEST HOLE AND SIX (6) INCHES BELOW THE LOWEST HOLE. WHERE ENDS OF THE FILTER CLOTH COME TOGETHER, THEY SHALL BE OVER-LAPPED, FOLDED AND STAPLED TO PREVENT BYPASS.
- STRAPS OR CONNECTING BANDS SHALL BE USED TO HOLD THE FILTER CLOTH AND WIRE FABRIC IN PLACE. THE RISER SHALL BE PLACED AT THE TOP AND BOTTOM OF THE CLOTH.
- FILL MATERIAL AROUND THE PIPE SPILLWAY SHALL BE HAND COMPACTED IN FOUR (4) INCH LAYERS. A MINIMUM OF TWO (2) FEET OF HAND COMPACTED BACKFILL SHALL BE PLACED AROUND THE PIPE SPILLWAY BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT.
- THE RISER SHALL BE ANCHORED WITH EITHER A CONCRETE BASE OR STEEL PLATE (12 INCHES WITH THE RISER EMBEDDED NINE (9) INCHES. A 1/4 INCH MINIMUM THICKNESS STEEL PLATE SHALL BE ATTACHED TO THE RISER BY A CONTINUOUS WELD AROUND THE BOTTOM TO FORM A WATERTIGHT CONNECTION AND THEN PLACE TWO (2) FEET OF STONE, GRAVEL, OR TAMPED EARTH ON THE PLATE.

DUST CONTROL NOTES	5
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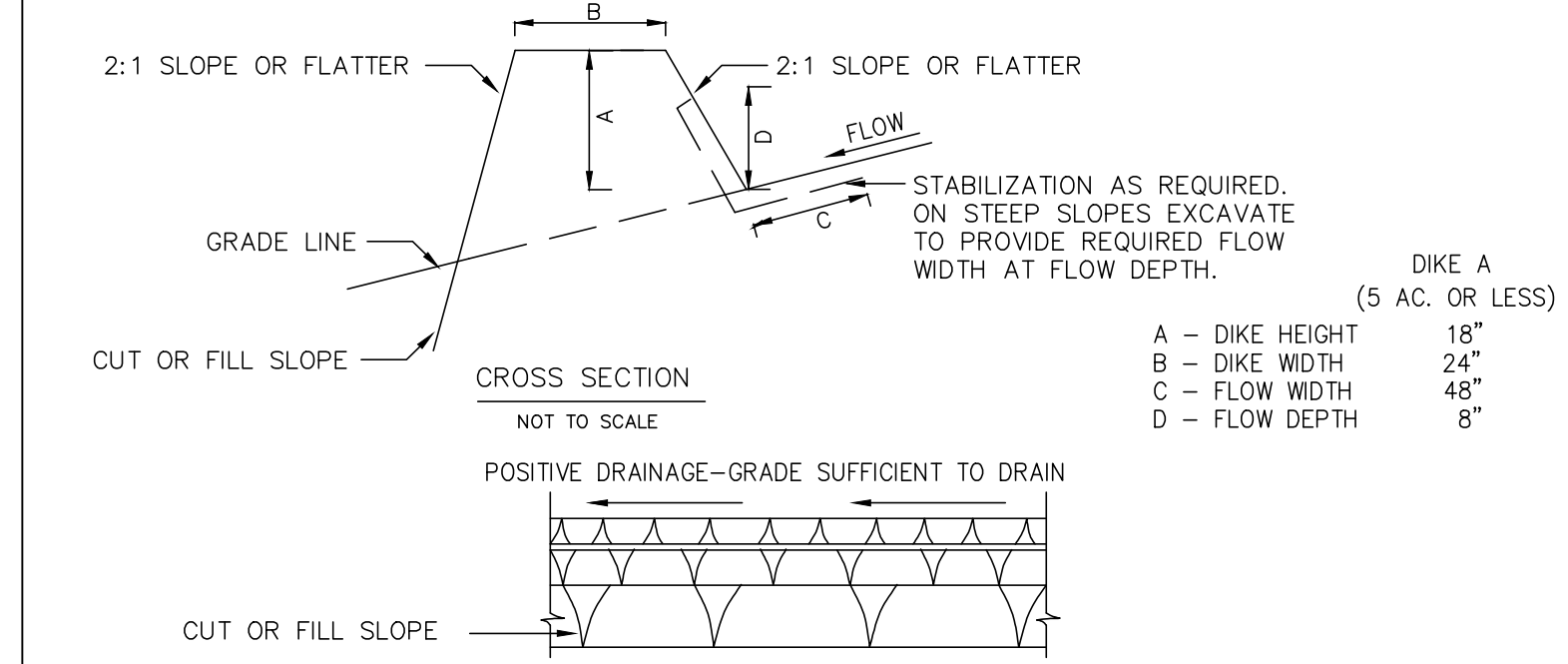
SIZES OF PIPE NEEDED:

BARREL DIAMETER: 24"
RISER DIAMETER: 18"

UPON TEMPORARY STABILIZATION:

- TEMPORARY BYPASS STORMWATER RUNOFF
- REMOVE ALL SEDIMENT AND DEBRIS
- TEMPORARILY STABILIZE MEASURE (SEEDING/HAY AND/OR FABRIC)
- PREPARE FOR FINAL GRADING & PLANTING FOR PERMANENT MEASURE

DESIGN VOLUME IS 3,600 CU.FT. / AC DRAINAGE AREA



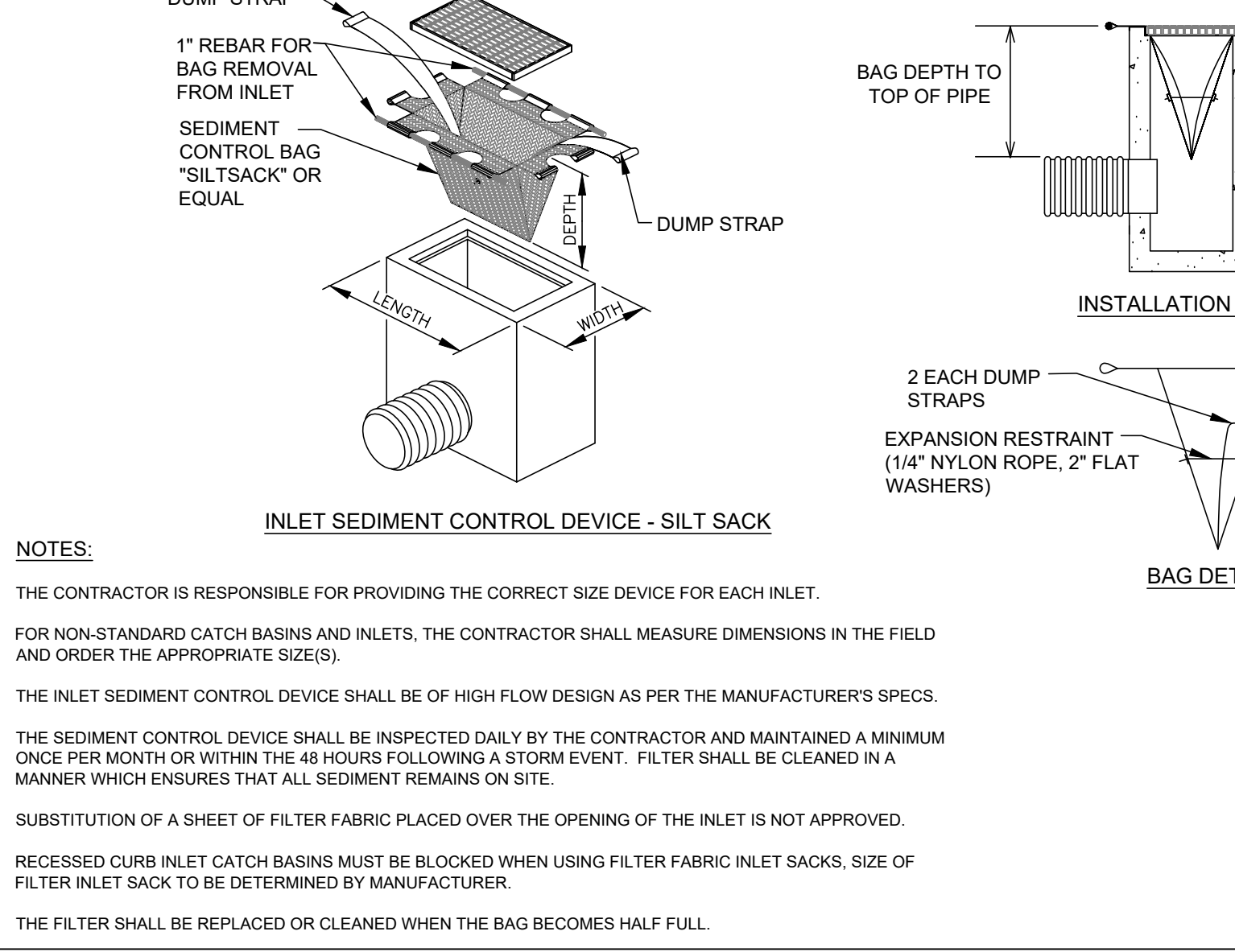
CONSTRUCTION SPECIFICATIONS

- ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
- ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
- TOP WIDTH MAY BE WIDER AND SIDE SLOPES BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
- FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
- EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.

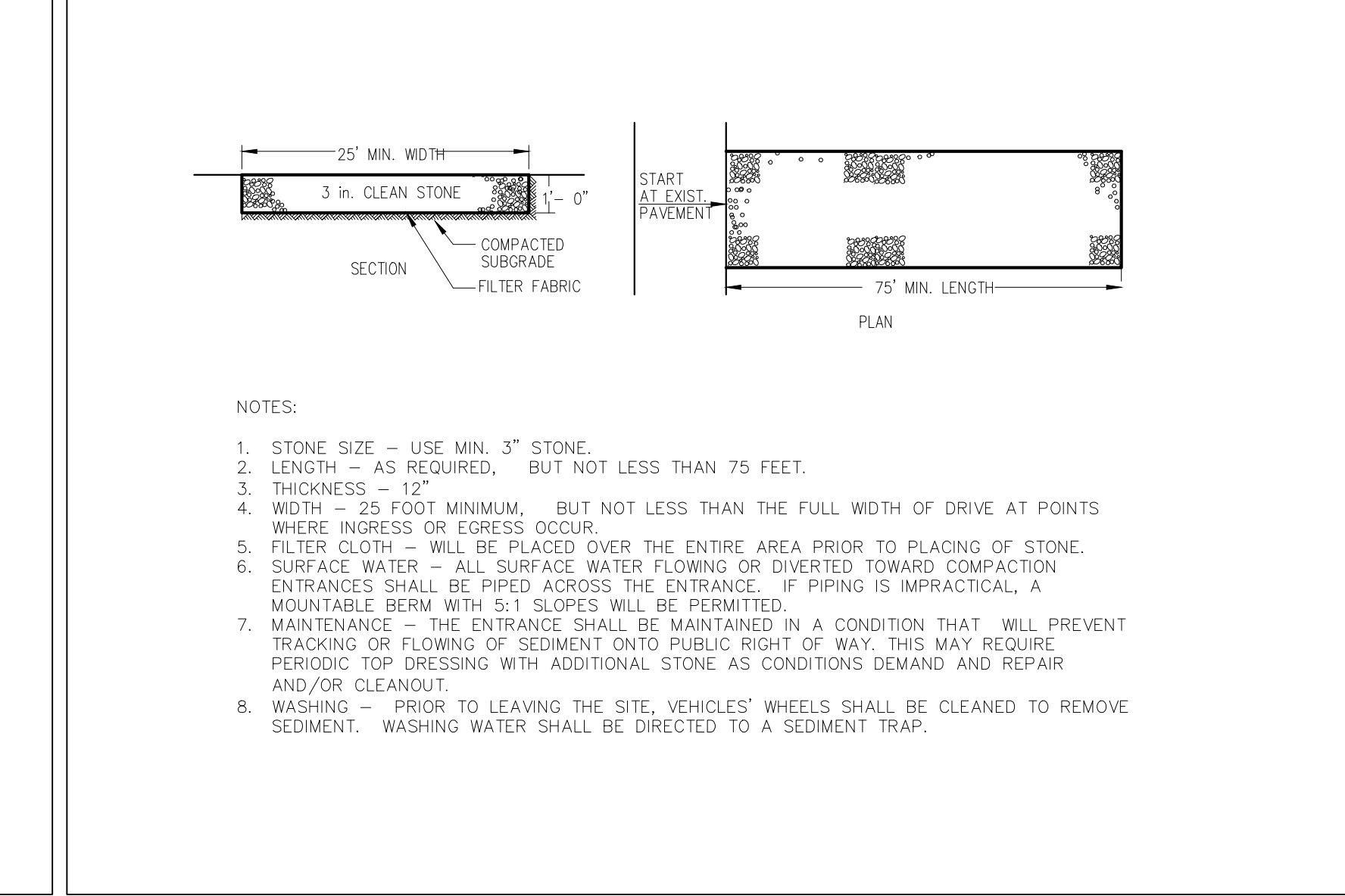
EARTH DIKE SCALE: N.T.S.	9
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	6
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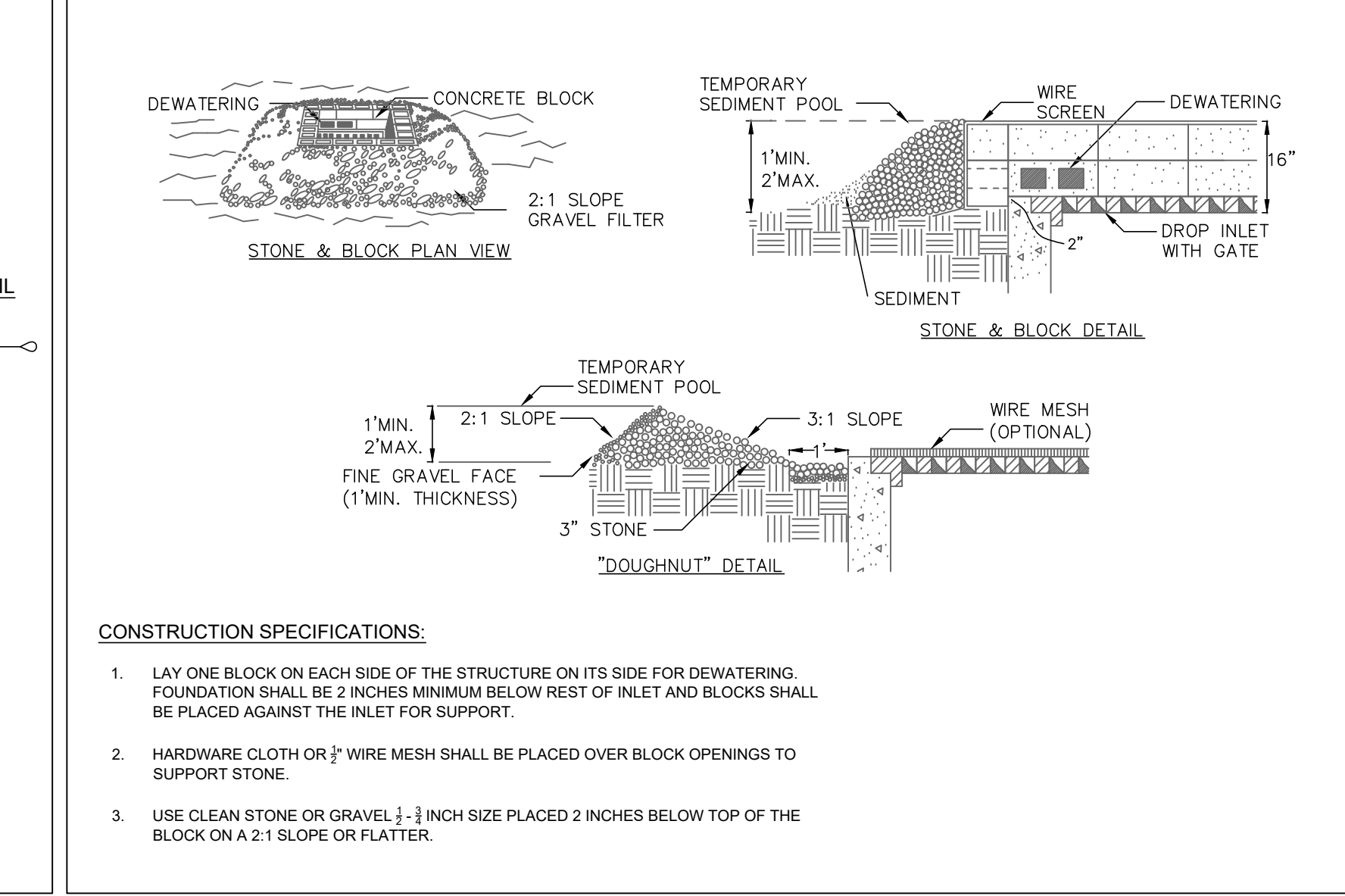
PIPE OUTLET SEDIMENT SPECIFICATIONS	7
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	10
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STABILIZED CONSTRUCTION ENTRANCE SCALE: N.T.S.	8
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BLOCK AND STONE INLET PROTECTION SCALE: N.T.S.	12
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NOTES:

- ALL SEDIMENT AND EROSION CONTROL PRACTICES HAVE BEEN DESIGNED AND ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE "NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" MANUAL DATED NOVEMBER 2016 (OR LATEST REVISION THERETO.)

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EROSION & SEDIMENT
CONTROL DETAILS

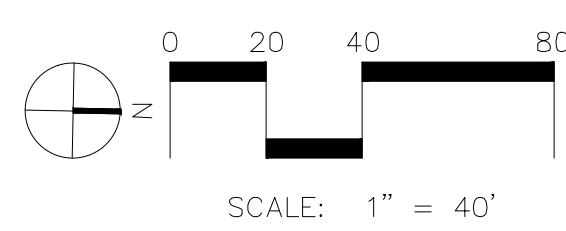
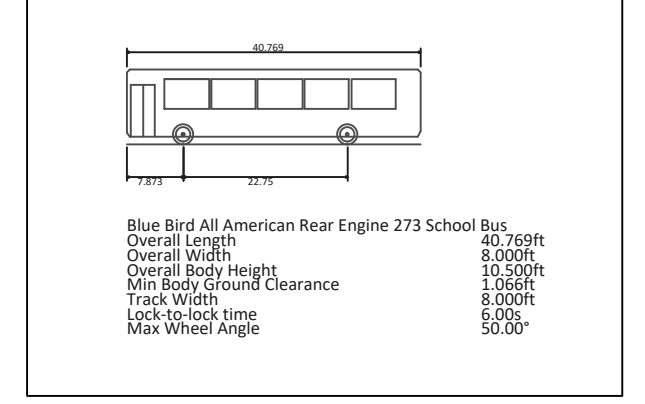
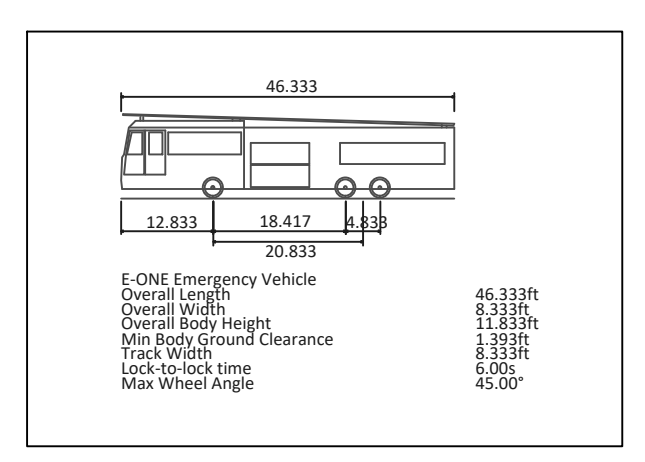
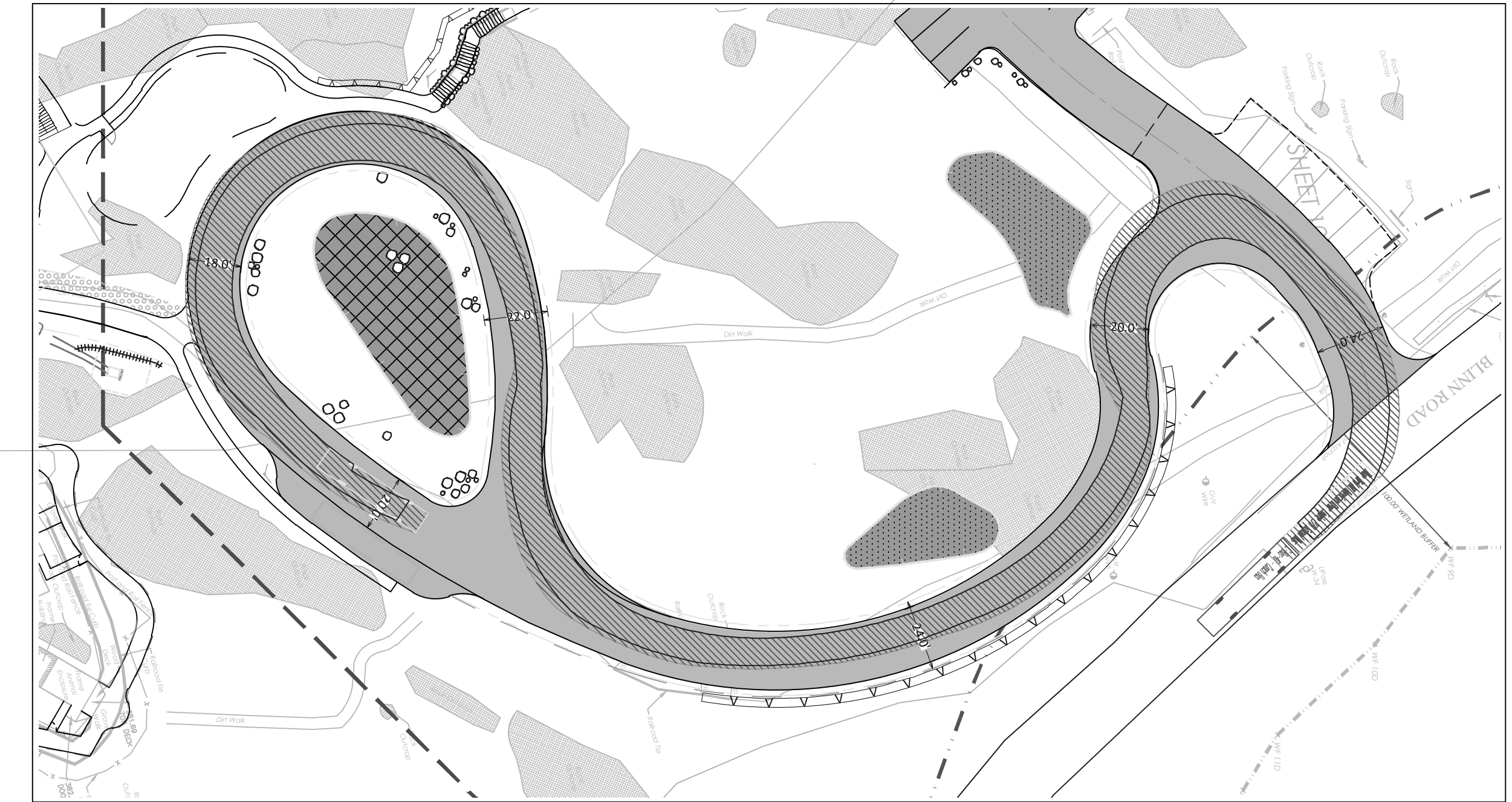
Date: 2 July, 2024
Project No: 1023
Dwg By: RCC/HV
Chk By: MSG

SP-9.01

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SEE LANDSCAPE ARCHITECT PLANS FOR SITE FEATURE
SEE ARCHITECTURAL PLANS FOR GREEN ROOF (2,500 SF, APPROX.)



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Date Issue
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Sheet Title:
EMERGENCY SERVICE MANEUVERING PLAN

Date: 2 July, 2024
Project No: 1023
Dwg By: RCC/HV
Chk By: MSG

SP-10.01
Pg No: