





























































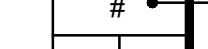


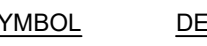




IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
    	Hunter PROS-12-PRS30-CV 5' strip spray Shrub Spray, 30 psi regulated 12.0" Pop-Up. With Factory Installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material.
   	Hunter PROS-12-PRS30-CV 10' radius Shrub Spray, 30 psi regulated 12.0" Pop-Up. With Factory Installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material.
     	Hunter PROS-12-PRS30-CV Adjustable Arc Shrub Spray, 30 psi regulated 12.0" Pop-Up. With Factory Installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material.
	Hunter MP Corner PROS-06-PRS40-CV Turf Rotator, 6" pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotator nozzle on PRS40 body. T=Turquoise adj arc 45-105.
  	Hunter MP Strip PROS-06-PRS40-CV Turf Rotator, 6" pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotator nozzle on PRS40 body, LST=Ivory left strip, SST=Brown side strip, RST=Copper right strip.
  	Hunter MP1000 PROS-06-PRS40-CV Turf Rotator, 6" pop-up with check valve, pressure regulated to 40 psi, MP Rotator nozzle on PRS40 body. M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc.
  	Hunter MP2000 PROS-06-PRS40-CV Turf Rotator, 6" pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotator nozzle on PRS40 body. K=Black adj arc 90-210, G=Green adj arc 210-270, R=Red 360 arc.
 	Hunter MP3000 PROS-06-PRS40-CV Turf Rotator, 6" pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotator nozzle on PRS40 body. B=Blue adj arc 90-210, Y=Yellow adj arc 210-270, A=Gray 360 arc.
	Hunter MP Corner PROS-12-PRS40-CV Shrub Rotator, 12" pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotator nozzle. T=Turquoise adj arc 45-105.
  	Hunter MP Strip PROS-12-PRS40-CV Shrub Rotator, 12" pop-up with factory installed check valve, pressure regulated to 40 psi, MP Rotator nozzle. LST=Ivory left strip, SST=Brown side strip, RST=Copper right strip.
  	Hunter MP1000 PROS-12-PRS40-CV Shrub Rotator, 12" pop-up with check valve, pressure regulated to 40 psi, MP Rotator nozzle. M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc.
  	Hunter MP2000 PROS-12-PRS40-CV Shrub Rotator, 12" pop-up with check valve, pressure regulated to 40 psi, MP Rotator nozzle. K=Black adj arc 90-210, G=Green adj arc 210-270, R=Red 360 arc.














SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter I-20-04-PRB Turf Rotor, 4.0" Pop-Up, Adjustable and Full Circle. Plastic Riser. Pressure Regulated to 45 psi, Drain Check Valve. Standard Nozzle.
	Hunter I-20-04-PRB Turf Rotor, 4.0" Pop-Up, Adjustable and Full Circle. Plastic Riser. Pressure Regulated to 45 psi, Drain Check Valve. Standard Nozzle.
	Hunter I-20-04-PRB Turf Rotor, 4.0" Pop-Up, Adjustable and Full Circle. Plastic Riser. Pressure Regulated to 45 psi, Drain Check Valve. Standard Nozzle.
	Hunter I-20-04-PRB Turf Rotor, 4.0" Pop-Up, Adjustable and Full Circle. Plastic Riser. Pressure Regulated to 45 psi, Drain Check Valve. Standard Nozzle.
	Hunter I-20-04-PRB Turf Rotor, 4.0" Pop-Up, Adjustable and Full Circle. Plastic Riser. Pressure Regulated to 45 psi, Drain Check Valve. Standard Nozzle.
	Hunter I-20-04-PRB Turf Rotor, 4.0" Pop-Up, Adjustable and Full Circle. Plastic Riser. Pressure Regulated to 45 psi, Drain Check Valve. Standard Nozzle.
	Hunter I-20-04-PRB Turf Rotor, 4.0" Pop-Up, Adjustable and Full Circle. Plastic Riser. Pressure Regulated to 45 psi, Drain Check Valve. Standard Nozzle.
	Hunter I-25-04-SS Turf Rotor, 4.0" Pop-Up, Adjustable and Full Circle. Stainless Steel Riser. Drain Check Valve. Standard Nozzle.
	Hunter I-25-04-SS Turf Rotor, 4.0" Pop-Up, Adjustable and Full Circle. Stainless Steel Riser. Drain Check Valve. Standard Nozzle.
	Hunter I-25-04-SS Turf Rotor, 4.0" Pop-Up, Adjustable and Full Circle. Stainless Steel Riser. Drain Check Valve. Standard Nozzle.
	Hunter I-25-04-SS Turf Rotor, 4.0" Pop-Up, Adjustable and Full Circle. Stainless Steel Riser. Drain Check Valve. Standard Nozzle.
	Hunter STK-1 STK kit. STG-900 rotor, ST Vault, ST swing joint, ST adapter elbow, ST rotor adapter fitting, Rubber cover kit, quick coupler valve.

2

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter ICV-G-FS 1", 1-1/2", 2", and 3" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use. With Filter Sentry.
	Hunter HQ-44LRC-AW Quick coupler valve, yellow rubber locking cover, red brass and stainless steel, with 1" NPT inlet, 2-piece body. Acme Key with Anti-Rotation Wings.
	Matco-Norca 10RT 2" to 8" cast iron gate isolation valve. Ring-Tite Gasket Ends. Resilient wedge with epoxy coating and optional nut. For IPS pipe. Same size as mainline pipe.
	Nibco T-113 Class 125 bronze gate shut off valve with wheel handle, same size as mainline pipe diameter at valve location. Size Range - 1/4" - 3"
	Rain Bird ESP-LXD-LXMMSS-LXMMSPED with (1) ESPLXD-SM75 125 station 2-wire, exterior stainless steel pedestal. Flow sensing.
	Rain Bird IQ-NCC-4G IQ NCC 4G Cell data cartridge.
	Rain Bird WR2-RFS Wireless Rain/Freeze Sensor.
	Creative Sensor Technology FSI-S30-001 3" PVC Saddle Type Flow Sensor, custom mounting saddle and ultra-lightweight impeller enhances low flow measurement. Two wire digital output compatible with all irrigation controllers. Flow range: 6-300 GPM.
	2-Wire Grounding Point Install as per plan detail and manufacturers instructions.
	Pond Recharge Well 60 gpm with a discharge pressure of 20 psi. See plans Recharge Well Notes.
	Pump Station: Watertronics WMLV-7000-2-30-4620-3-200-13
	Irrigation Lateral Line: PVC Class 200 SDR 21
	Irrigation Mainline: PVC Class 200 SDR 21
	Irrigation Mainline: HDPE PE4710 DR 11
	Pipe Sleeve: PVC Schedule 40
	Valve Callout
	Valve Number
	Valve Flow
	Valve Size

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION
	Irrigation system water source to be a pump station pumping out of the retention basin. System requirements are 200 gpm with a discharge pressure of 130 psi.
	See pump station detail and specifications sheet IR1.12.
	Install pedestal controller and pump station on a concrete pad as per detail on sheet IR1.12. Power for the controller will be located in the pump station control panel. All power wire to be in SCH 40 PVC conduit.
	Install data modem cartridge in the controller and connect to Rain Bird IQ4. Contact Rain Bird rep Donn Mann, 520-904-1146, for IQ4 subscription and set up.
	Mount the wireless Rain/Freeze sensor on either the pump station enclosure or the side of the controller.
	Install the flow sensor as per plan detail and manufacturers instructions. Program controller to learn flow of all zones, maximize flow and shut down and alert on zone over-flow.
	Recharge well to provide 60 gpm at a discharge pressure of 20 psi. See well recharge notes on sheet IR1.12.
	All mainline piping 3" and larger to be gasket joint with ductile iron gasket joint fittings with manufacturers recommended joint restraint.
	All ductile iron fittings change of direction fittings to have concrete thrust blocks as well as joint restraint.
	Install control valve off of the synthetic turf and pipe to the STK-1 package. Install 1" mainline from the mainline prior to the valve to the Quick Coupler valve in the STK-1.
	Install mainline and control wire 4' off of the back of the curb in the area of the over-flow parking.
	Convert to HDPE via Ductile Iron fittings and restraints.
	Directional bore 3" HDPE mainline and control wire under the wetland. Maintain 36" of cover over the HDPE pipe.

CRITICAL ANALYSIS

Generated:	2020-06-08 16:06
P.O.C. NUMBER: 01	
Water Source Information:	
FLOW AVAILABLE	
Custom Max Flow:	200.00 gpm
Flow Available:	200.00 gpm
PRESSURE AVAILABLE	
Static Pressure at POC:	130.00 psi
Pressure Available:	130.00 psi
DESIGN ANALYSIS	
Maximum Multi-valve Flow:	200.00 gpm
Flow Available at POC:	200.00 gpm
Residual Flow Available:	0.00 gpm
Pressure Req. at Critical Station:	113.11 psi
Loss for Fittings:	0.71 psi
Loss for Main Line:	7.10 psi
Loss for POC to Valve Elevation:	0.00 psi
Loss for Backflow:	0.00 psi
Critical Station Pressure at POC:	120.92 psi
Pressure Available:	130.00 psi
Residual Pressure Available:	9.08 psi



MOUNT PLEASANT, SC 843.884.1667  
GREENVILLE, SC 864.298.0534  
SUMMERVILLE, SC 843.972.0710  
SPARTANBURG, SC 864.272.1272  
CHARLOTTE, NC 980.312.5450  
WWW.SEAMONWHITESIDE.COM



HANAHAN RECREATION  
COMPLEX  
CITY OF HANAHAN  
HANAHAN, SOUTH CAROLINA

SW+ PROJECT: 7867  
DATE: 6/12/20  
DRAWN BY: MDC  
CHECKED BY: CPC

REVISION HISTORY	
0	03/11/21
2	04/01/21

IRRIGATION  
SHEET  
LAYOUT PLAN

IR1.0







ADDENDUM 2  
DATE: 4/01/2021

# HANAHAN RECREATION COMPLEX

## HANAHAN, SOUTH CAROLINA

### TMS# 259-00-00-189

#### SITE LOCATION MAP



#### PROJECT DESCRIPTION

THE CITY OF HANAHAN PLANS TO DEVELOP A 53.31 ACRE TRACT OF LAND ON HENRY BROWN JR. BLVD. (FORMERLY N. RHETT BLVD.) INTO A NEW CITY PARK AND RECREATION COMPLEX. SITE IMPROVEMENTS WILL INCLUDE: STORMWATER PONDS, ASSOCIATED DRAINAGE INFRASTRUCTURE, SITE ACCESS ROADS, PARKING LOTS, MULTIPURPOSE ATHLETIC FIELDS, A SYNTHETIC TURF FOOTBALL/SOCCER FIELD, TENNIS COURTS, A SAND VOLLEYBALL COURT, A BASKETBALL COURT, A DOG PARK, TRAIL SYSTEM, RECREATION BUILDING, RESTROOM BUILDING, PICNIC PAVILION, MAINTENANCE AREA, WATER AND SEWER UTILITY EXTENSIONS, AND OTHER SITE ELEMENTS COMMONLY ASSOCIATED WITH A PARK.

#### GENERAL NOTES

**SURVEY INFORMATION:** BOUNDARY, TREE, AND TOPOGRAPHIC INFORMATION PROVIDED BY SOUTHEASTERN LAND SURVEYING, DATED SEPTEMBER 18, 2018. PER SURVEY, ALL ELEVATIONS ARE BASED ON A NAVD 1988 VERTICAL DATUM. HORIZONTAL DATUM IS STATE PLANE NAD 1983 (NAD 83).

**FLOOD ZONE INFORMATION:** BASED ON INFORMATION PROVIDED ON THE INDICATED FIRM MAP, THE PROPERTY APPEARS TO BE LOCATED IN FLOOD ZONE 'X'. SEE COMMUNITY PANELS 45015C0705E AND 45015C0685E, DATED DECEMBER 7, 2018.

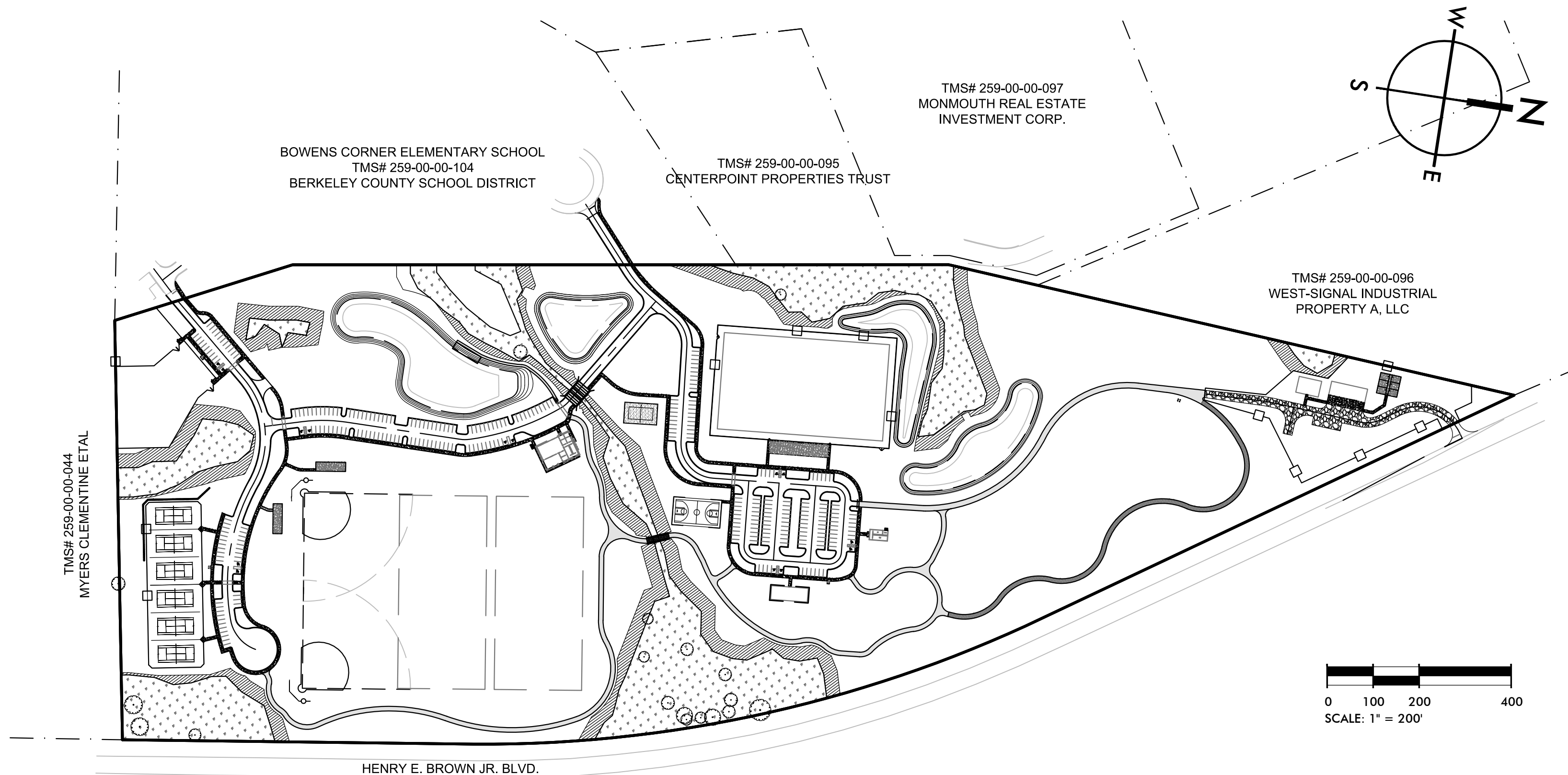
**EXISTING UTILITIES WARNING:** THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MIGHT OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION. ALL DIMENSIONS ARE MEASURED FROM FACE OF CURB OR EDGE OF ASPHALT, WITH THE EXCEPTION OF SIDEWALKS, WHICH ARE MEASURED FROM BACK OF CURB.

**TOTAL SITE ACREAGE:** 53.31 ACRES

**TOTAL LAND DISTURBANCE:** 40.00 ACRES

**TAX MAP INFORMATION:** THIS PROPERTY IS DEPICTED ON TMS #259-00-00-189

#### SITE OVERVIEW



Sheet List Table			
Sheet Number	Sheet Title	3/26/21	04/01/21
C1.0	TITLESHEET	1	2
C1.1	LEGEND & REVISION NOTES	1	2
C2.0	EXISTING CONDITIONS	1	
C2.1	EXISTING CONDITIONS	1	
C2.2	EXISTING CONDITIONS	1	
C2.3	WETLAND SURVEY	1	
C2.4	WETLAND SURVEY	1	
C2.5	WETLAND SURVEY	1	
C3.0	SWPPP PLAN PHASE 1A		
C3.1	SWPPP PLAN PHASE 1A		
C3.2	SWPPP PLAN PHASE 1B		
C3.3	SWPPP PLAN PHASE 1B		
C3.4	SWPPP PLAN PHASE 2		
C3.5	SWPPP PLAN PHASE 2		
C3.6	SWPPP PLAN PHASE 3		
C3.7	SWPPP PLAN PHASE 3		
C3.8	SWPPP NOTES		
C3.9	SWPPP DETAILS	2	
C3.10	SWPPP DETAILS		
C3.11	SWPPP DETAILS	2	
C4.0	OVERALL SITE PLAN	2	
C4.1	SITE PLAN		
C4.2	SITE PLAN		
C4.3	SITE PLAN		
C4.4	SITE PLAN	2	
C5.0	SITE DETAILS		
C5.1	SITE DETAILS	2	
C5.2	SITE DETAILS	2	
C6.0	OVERALL GRADING PLAN		
C6.1	GRADING PLAN		

C6.2	GRADING PLAN	1	
C6.3	GRADING PLAN		
C6.4	GRADING PLAN		
C7.0	OVERALL DRAINAGE PLAN		
C7.1	DRAINAGE PLAN		
C7.2	DRAINAGE PLAN	1	
C7.3	DRAINAGE PLAN		
C7.4	DRAINAGE PLAN	2	
C7.5	DRAINAGE PROFILES	1	
C7.6	DRAINAGE PROFILES		
C7.7	DRAINAGE PROFILES		
C8.0	GRADING & DRAINAGE DETAILS	2	
C8.1	GRADING & DRAINAGE DETAILS		
C9.0	OVERALL WATER & SEWER PLAN	1	
C9.1	WATER & SEWER PLAN	1	
C9.2	WATER & SEWER PLAN	1	
C9.3	WATER & SEWER PLAN	1	
C9.4	WATER & SEWER PLAN	1	
C9.5	WATER & SEWER PLAN	1	
C9.6	WATER & SEWER PLAN	1	
C9.7	WATER & SEWER PLAN	1	
C9.8	WATER PROFILES	1	
C9.9	WATER PROFILES	1	
C9.10	WATER PROFILES	1	
C9.11	SEWER PROFILES		
C9.12	SEWER PROFILES		
C10.0	SEWER DETAILS		
C10.1	WATER DETAILS		
C10.2	WATER DETAILS		
C10.3	WATER DETAILS	1	
L1.0	HARDSCAPE DETAILS	2	
L1.1	HARDSCAPE DETAILS		
L1.2	HARDSCAPE DETAILS	2	
L1.3	HARDSCAPE DETAILS		

L1.4	HARDSCAPE DETAILS		
L2.0	LANDSCAPE PLAN		
L2.1	LANDSCAPE PLAN	1	
L2.2	LANDSCAPE PLAN		
L2.3	LANDSCAPE PLAN		
L2.4	PLANT SCHEDULE, DETAILS AND NOTES		
E1.1	SITE ELECTRICAL PLAN		
E1.2	SITE ELECTRICAL PLAN		
E1.3	SITE ELECTRICAL PLAN		
E2.1	POWER DISTRIBUTION DETAILS		
E2.2	LIGHTING & MISC. DETAILS		
E2.3	POWER DISTRIBUTION DETAILS		
E2.4	ELECTRICAL PANEL SCHEDULES & DETAILS		
E2.5	EXTERIOR EQUIPMENT MOUNTING DETAIL		
IR1.0	IRRIGATION SHEET LAYOUT PLAN	2	
IR1.1	IRRIGATION PLAN		
IR1.2	IRRIGATION PLAN		
IR1.3	IRRIGATION PLAN		
IR1.4	IRRIGATION PLAN		
IR.5	IRRIGATION PLAN		
IR.6	IRRIGATION PLAN		
IR.7	IRRIGATION PLAN		
IR.8	IRRIGATION PLAN		
IR.9	IRRIGATION PLAN		
IR.10	IRRIGATION PLAN, NOTES AND DETAILS		
IR.11	IRRIGATION DETAILS		
IR.12	IRRIGATION DETAILS		
SP1	GENERAL SEPTIC NOTES		
SP2	SEPTIC SITE PLAN & LAYOUT		
SP3	SEPTIC DETAILS		
SP4	SEPTIC DETAILS		
SP5	SEPTIC DETAILS		
SP6	SEPTIC DETAILS		

#### PROJECT CONTACTS

**OWNER/DEVELOPER:**  
CITY OF HANAHAN  
1255 YEAMANS HALL ROAD  
HANAHAN, SC 29410  
CONTACT: MIKE COCHRAN  
PHONE: 843-266-0958

**CIVIL ENGINEER:**  
SEAMON WHITESIDE & ASSOCIATES  
128 S. MAIN STREET, #B  
SUMMERVILLE, SC 29483  
CONTACT: TAYLOR HART, P.E.  
PHONE: 843-972-0710 EXT 283

**MUNICIPALITY CONTACTS:**  
CITY OF HANAHAN PLANNING & ZONING  
CONTACT: JEFF HAJEK  
PHONE: 843-554-4221

**UTILITY CONTACTS:**  
BERKELEY COUNTY WATER & SEWER  
CONTACT: RYAN GATLIN  
PHONE: 843-719-2319

**CHARLESTON WATER SYSTEM**  
CONTACT: LYDIA OWENS  
PHONE: 843-727-6869

**SCDOT**  
CONTACT: WADE GROOMS  
PHONE: 843-746-6748 (EXT 748)

**SCDHEC-OCRM**  
CONTACT: PAMELA WINKLER  
PHONE: 843-953-5324

**SURVEYOR:**  
SOUTHEASTERN LAND SURVEYING, LLC.  
1035-B JENKINS ROAD  
CHARLESTON, SC 29407  
CONTACT: MIKE SCHMIEDER  
PHONE: 843-795-9330

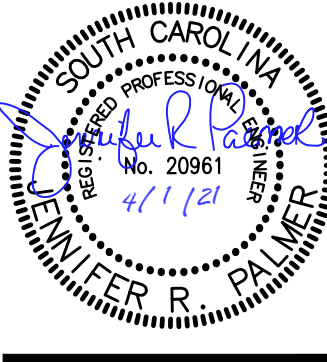
**CITY OF HANAHAN FIRE DEPARTMENT**  
CONTACT: BO BOWERS  
PHONE: 843-297-7870

SEE SHEET C1.1 FOR  
DETAILED REVISION HISTORY

SEE ARCHITECT PLANS  
FOR BUILDING SHEET INDEX



MOUNT PLEASANT, SC  
843.884.1667  
GREENVILLE, SC  
864.298.0534  
SUMMERVILLE, SC  
843.972.0710  
SPARTANBURG, SC  
864.298.0534  
CHARLOTTE, NC  
980.312.5450  
WWW.SEAMONWHITESIDE.COM



## HANAHAN RECREATION COMPLEX

CITY OF HANAHAN  
HANAHAN, SOUTH CAROLINA

SW+ PROJECT: 7867  
DATE: 06/12/20  
DRAWN BY: BET  
CHECKED BY: JRP

REVISION HISTORY	
A	6/12/20
B	10/29/20
C	01/22/21
D	03/11/21
1	03/26/21
2	04/01/21

TITLESHEET



DRAWING LEGEND											
OBJECTS AND SYMBOLS			OBJECTS AND SYMBOLS			ABBREVIATIONS			SWPP PLAN LEGEND		
EXISTING			EXISTING			EXISTING					
NEW			NEW			NEW					
Adjoining Property Line		N/A	Benchmark		N/A	Sewer Easement	Ex. S.E.	S.E.	Turf Reinforcement Mat (See Turf And Grasses Species)		
Centerline		(Same as Existing)	Sanitary Sewer Manhole		N/A	Storm Easement	Ex. W.E.	W.E.	Sodding (See Turf and Grasses Specs)		
Easement		(Same as Existing)	Sanitary Sewer Manhole ID #		N/A	Drainage Easement	Ex. D.E.	D.E.	Surface Roughening (Surface Tracking/Stair Stepping-See Detail)		
Setback		(Same as Existing)	Sanitary Sewer Cleanout		N/A	General Utility Easement	Ex. G.U.E.	G.U.E.	Temporary Seeding (See Schedule in EC Notes)		
Sanitary Sewer (Gravity)			Double Sanitary Sewer Service (Residential Only)		N/A	Access Easement	Ex. A.E.	A.E.	Permanent Seeding (See Turf and Grasses Species)		
Sanitary Sewer (Force Main)			Single Sanitary Sewer Service (Residential Only)		N/A	Ingress/Egress Easement	Ex. I/E E.	I/E E	Mulching (See Turf and Grasses Species)		
Water Line			TYPE 1 Storm Drainage Structure (CI-1)		N/A	Pond Maintenance Easement	Ex. P.M.E.	P.M.E.	Typical Lot Erosion Control Plan (See Detail)		
Curb & Gutter (Straight)			TYPE 16 Storm Drainage Structure (CI-16)		N/A	Water Surface Elevation	Ex. W.S.E.	W.S.E.	Flexible Growth Medium (See Turf and Grasses Species)		
Curb & Gutter (Roll)			TYPE 17 Storm Drainage Structure (Right) (CI-17)		N/A	Polyvinyl Chloride Pipe	Ex. PVC	PVC	Erosion Control Blanket (See Turf and Grasses Species)		
Previous Phase Storm Drain Pipe		N/A	TYPE 18 Storm Drainage Structure (Left) (CI-17)		N/A	Reinforced Concrete Pipe	Ex. RCP	RCP	Dust Control		
Storm Drain Pipe			TYPE 18 Storm Drainage Structure(CI-18)		N/A	High Density Corrugated Polyethylene Pipe	Ex. HDPE	HDPE	Bonded Fiber Matrix (See Turf and Grasses Species)		
Roof Drain			Catch Basin (CB)		N/A	Ductile Iron Pipe	Ex. DIP	DIP	Concrete Washout Basin (See Detail)		
Subsurface Drainage			Isolation Box (IB)		N/A	Corrugated Metal Pipe	Ex. CMP	CMP	Block & Stone Inlet Protection (See Detail)		
Silt Fence, Standard			Storm Drainage Junction Box (JB)		N/A	Home Owner's Association	Ex. HOA	HOA	Temp. Sediment Control Tube (See Tube)		
Silt Fence, Reinforced			Yard Inlet (YI)		N/A	Property Owners Association	Ex. POA	POA	Temp. Rock Ditch Checks (See Detail)		
Phase Line	N/A		Control Structure (CS)		N/A				Turf Reinforcement Mat Outlet Protection (See Detail and Turf and Grasses Specs)		
Drainage Basin	N/A		Storm Drainage Structure ID #		N/A				Filter Fabric Inlet Protection (See Detail)		
Flood Zone		N/A	Telephone Box		N/A				Temp. Curb Inlet Weep Filter (See Detail)		
Conduit			Telephone Manhole		N/A				Curb Inlet Sediment Filter (See Detail)		
Natural Gas			Electrical Box		N/A				Both Curb Inlet Filters (See Above)		
Overhead Electrical			Electrical Manhole		N/A				Construction Entrance		
Underground Electrical			Power Pole		N/A				Grate Gator Inlet Protection (See Detail)		
Underground Telephone			Light Pole		N/A						
Underground Cable			Fire Hydrant Assembly		N/A						
Underground Fiber Optic			Water Blowoff		N/A						
Fence			Water Line Bends, Angle Varies		N/A						
Elevation Contour			Water Line Valve		N/A						
Revision Cloud (Encloses Revision)	N/A		Water Line Reducer		N/A						
			Single Water Service (Residential Only)		N/A						
			Double Water Service (Residential Only)		N/A						
			Sign		N/A						
			ADA Accessible Parking Space		N/A						
			Spot Elevation		N/A						
			Watershed Area		N/A						
			Detail ID #		N/A						
			Keynote		N/A						
			Parking Count ID #		N/A						
			Lot #		N/A						
			Revision ID #		N/A						
			Rip Rap at Pipe Outlet		N/A						

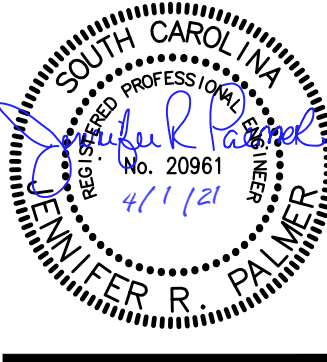
NOTE:  
LEGEND DOES NOT APPLY TO EXISTING CONDITION SHEETS C2.0 - C2.2. THOSE SHEETS ARE SHOWN IN ORIGINAL FORMAT PROVIDED BY THE SURVEYOR

REVISION SUMMARY

- A. AGENCY SUBMITTALS: 06/12/2020  
B. AGENCY RESUBMITTAL: 10/29/2020  
C. AGENCY RESUBMITTAL: 01/22/2021  
0. BID SET : 03/11/2021  
1. ADDENDUM 1: CWS RESUBMITTAL: 03/26/2021  
• SHEET C2.0-C2.5: OFFSITE PROPERTY LINES ADJUSTED.  
• SHEET C6.2: WATER MAIN LOCATION UPDATED NEAR WETLAND CROSSING  
• SHEET C7.2: WATER MAIN LOCATION UPDATED NEAR WETLAND CROSSING  
• SHEET C7.5: WATER MAIN CROSSING LOCATION UPDATED, WATER SERVICE CROSSING ADDED.  
• SHEET C9.0: WATER MAIN LOCATION UPDATED NEAR WETLAND CROSSING.  
• SHEET C9.1: CROSSING NEAR STA 4+20 EXTENDED TO 25'  
• SHEET C9.2: CROSSING NEAR STA 4+20 EXTENDED TO 25'  
• SHEET C9.3: INSTALLATION METHOD FOR WATER MAIN CROSSING WETLAND UPDATED, LABELS UPDATED, AND GATE VALVES RELOCATED.  
• SHEET C9.4-C9.7: WATER MAIN STATIONS UPDATED BASED ON WETLAND CROSSING UPDATE.  
• SHEET C9.8: PROFILE UPDATED BASED ON PLAN CHANGES.  
• SHEET C9.9: PROFILE UPDATES BASED ON PLAN CHANGES.  
• SHEET C9.10: PROFILE UPDATED BASED ON PLAN CHANGES.  
• SHEET C10.3: HDD CONNECTION DETAILS REMOVED, JACK AND BORE DETAILS ADDED.  
• SHEET L2.1: WATER MAIN LOCATION UPDATED NEAR WETLAND CROSSING  
2. ADDENDUM 2: BIDDER QUESTIONS AND SCDOT COMMENTS: 04/01/2021  
• SHEET C3.9: LABEL ADDED TO CONSTRUCTION ENTRANCE DETAIL  
• SHEET C3.11: DETAIL UPDATED  
• SHEET C4.0: OFOI LIST UPDATED.  
• SHEET C4.4: LABEL UPDATED, NOTE ADDED PER SCDOT COMMENTS, MAINT. BUILDING LABEL UPDATED  
• SHEET C5.1: NOTES UPDATED ON DETAILS 4 AND 5  
• SHEET C5.2: DETAIL UPDATED  
• SHEET C7.4: STRUCTURE E20 UPDATED FROM YI TO CB  
• SHEET C8.0: DETAILS UPDATED  
• SHEET L1.0: DETAILS UPDATED  
• SHEET L1.2: DETAILS UPDATED  
• SHEET IR1.0: NOTES UPDATED



MOUNT PLEASANT, SC  
843.884.1667  
GREENVILLE, SC  
864.298.0534  
SUMMERVILLE, SC  
843.972.0710  
SPARTANBURG, SC  
864.298.0534  
CHARLOTTE, NC  
980.312.5450  
WWW.SEAMONWHITESIDE.COM



HANAHAN RECREATION  
COMPLEX  
CITY OF HANAHAN  
HANAHAN, SOUTH CAROLINA

SW+ PROJECT: 7867  
DATE: 06/12/20  
DRAWN BY: BET  
CHECKED BY: JRP

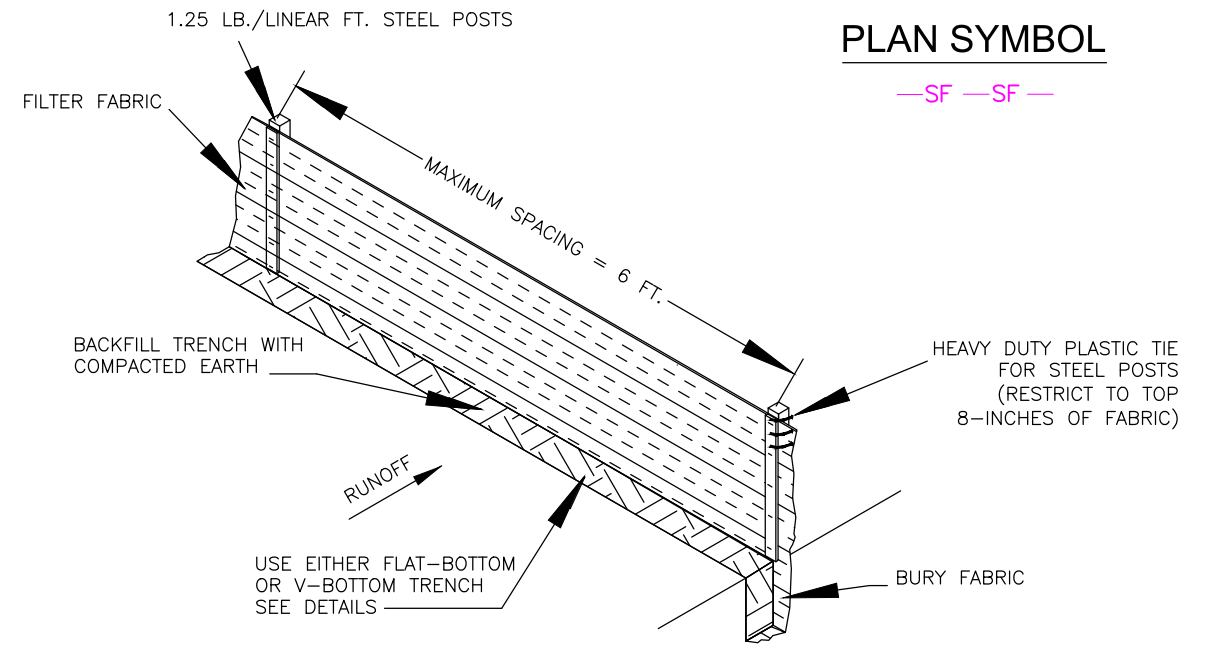
REVISION HISTORY

A	6/12/20	
B	10/29/20	
C	01/22/21	
0	03/11/21	
1	03/26/21	
2	04/01/21	

LEGEND &  
REVISION  
NOTES

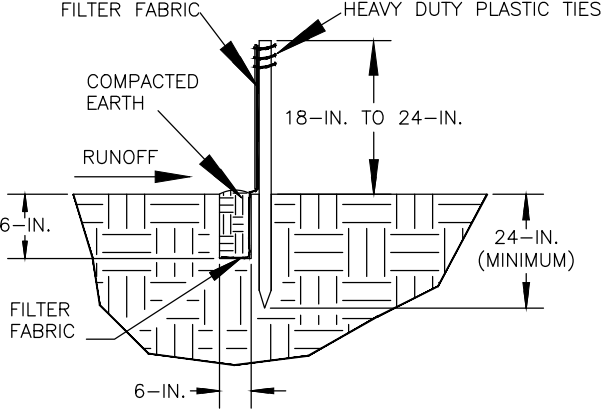


SILT FENCE INSTALLATION

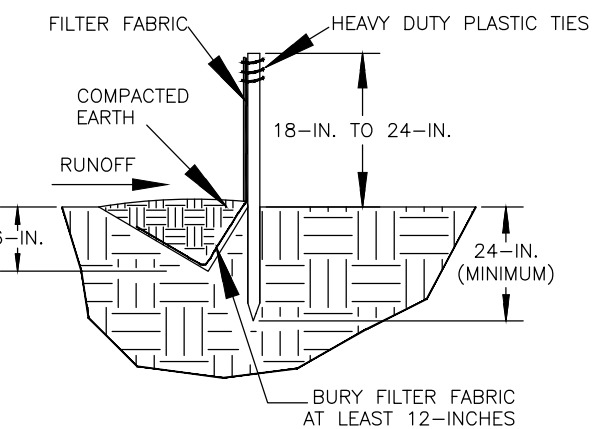


- SILT FENCE — GENERAL NOTES**
- Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.
  - Maximum sheet or overland flow path length to the silt fence shall be 100-feet.
  - Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.
  - Silt fence joints, when necessary, shall be completed by one of the following options:
    - Wrap each fabric together at a support post with both ends fastened to the post, with a 1-foot minimum overlap.
    - Overlap silt fence by installing 3-feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy-duty plastic ties; or,
    - Overlap entire width of each silt fence roll from one support post to the next support post.
  - Attach filter fabric to the steel posts using heavy-duty plastic ties that are evenly spaced within the top 8-inches of the fabric.
  - Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanup.
  - Install Silt Fence Checks (Tie-Backs) every 50–100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.

FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL



South Carolina Department of Health and Environmental Control

**SILT FENCE**

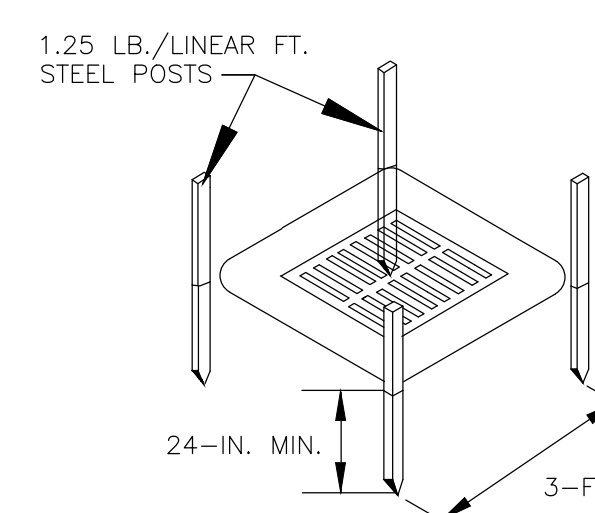
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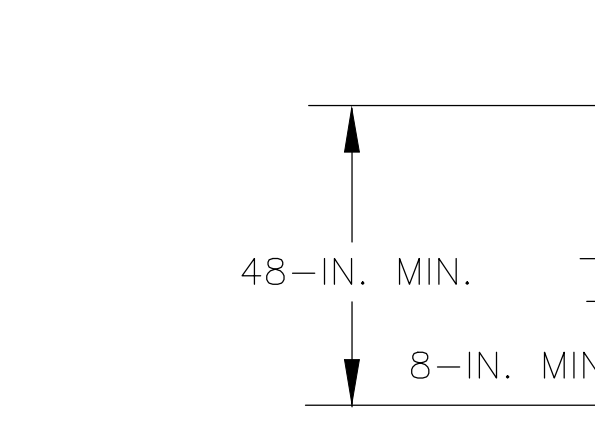
FEBRUARY 2014

DATE

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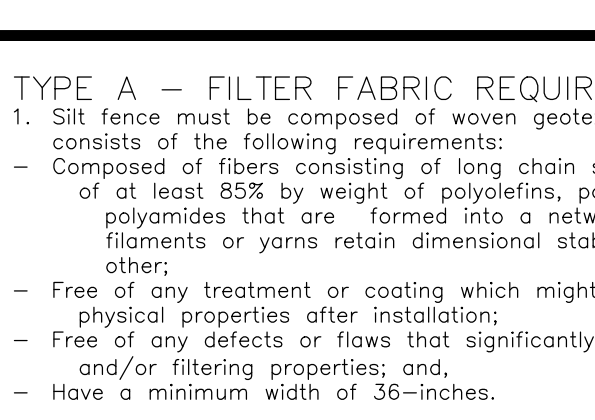


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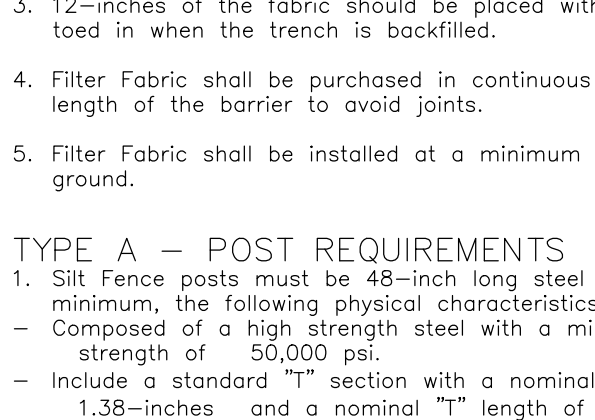


BURY & TRENCH MINIMUM OF 12-INCHES OF FILTER FABRIC

FLAT-BOTTOM TRENCH DETAIL

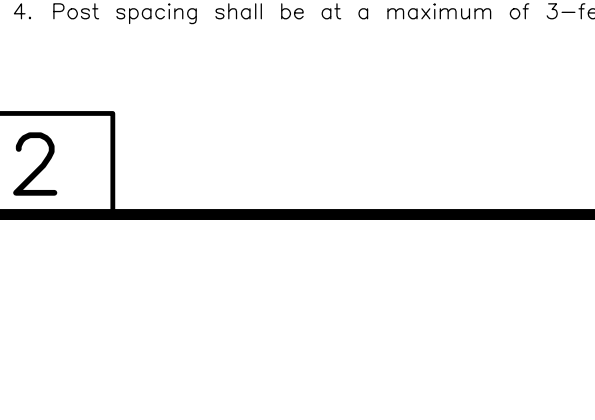


POST INSTALLATION DETAIL

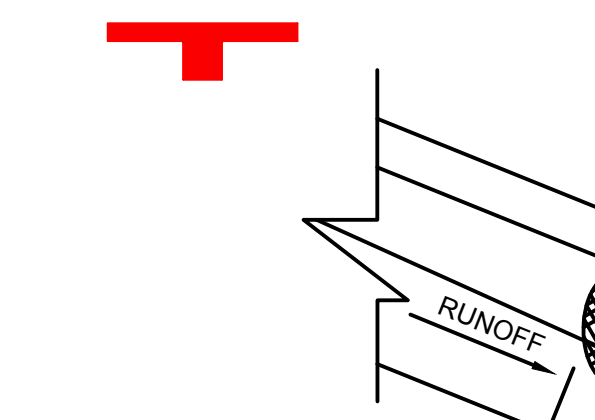


BURY & TRENCH MINIMUM OF 12-INCHES OF FILTER FABRIC

FLAT-BOTTOM TRENCH DETAIL

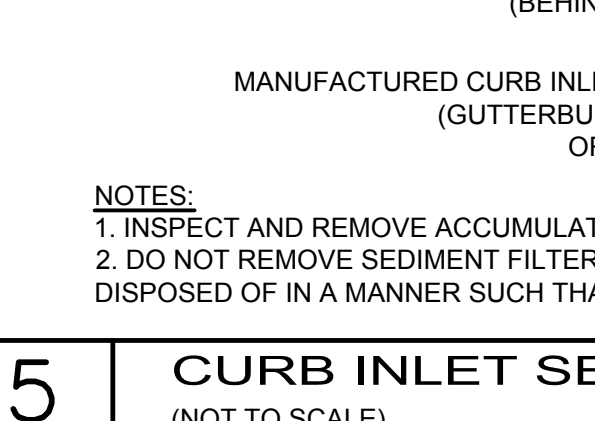


POST INSTALLATION DETAIL



BURY & TRENCH MINIMUM OF 12-INCHES OF FILTER FABRIC

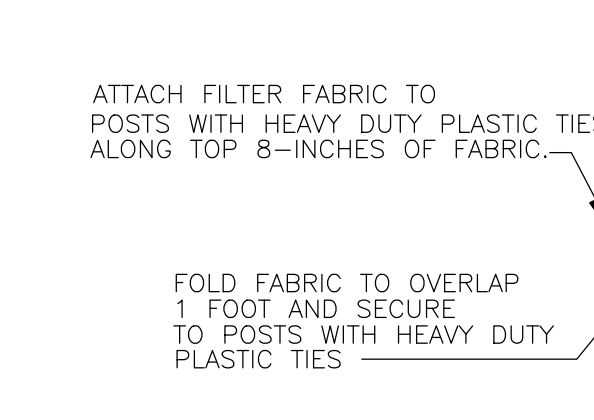
FLAT-BOTTOM TRENCH DETAIL



POST INSTALLATION DETAIL



FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL



South Carolina Department of Health and Environmental Control

**SILT FENCE**

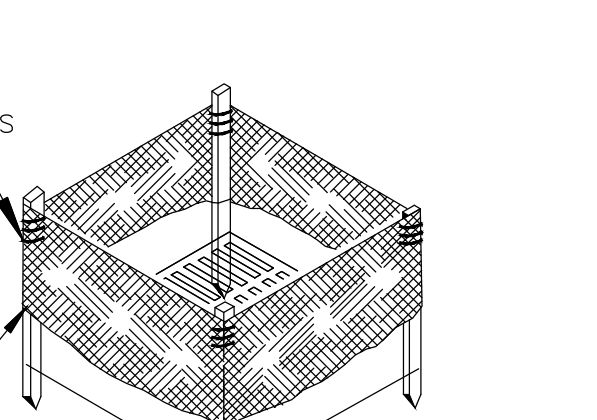
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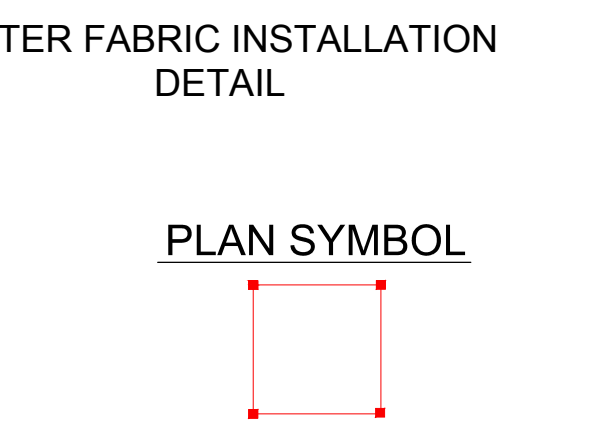
FEBRUARY 2014

DATE

FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL



South Carolina Department of Health and Environmental Control

**SILT FENCE**

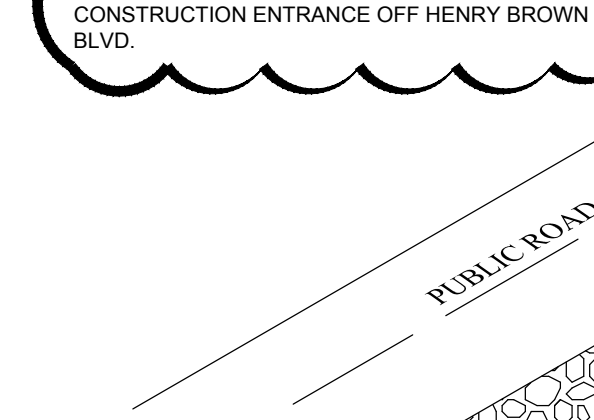
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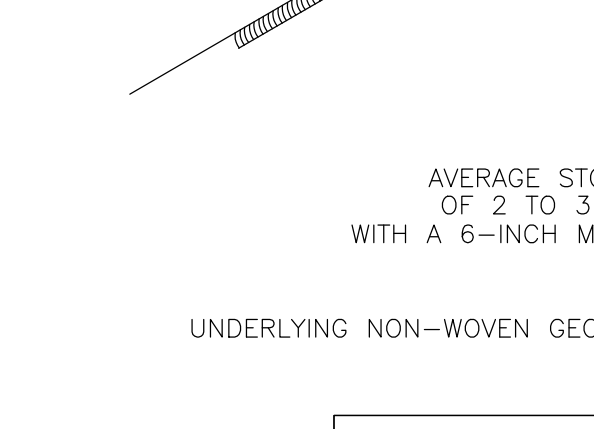
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FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL



South Carolina Department of Health and Environmental Control

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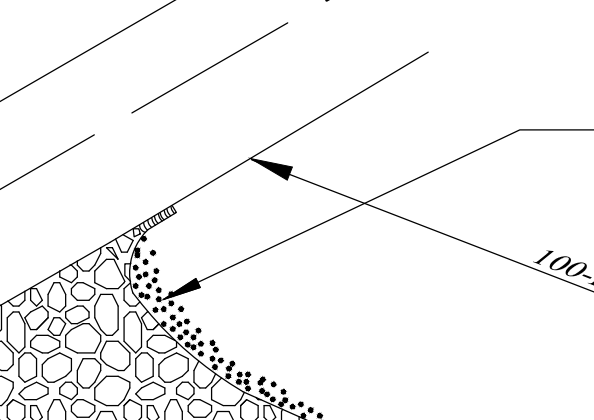
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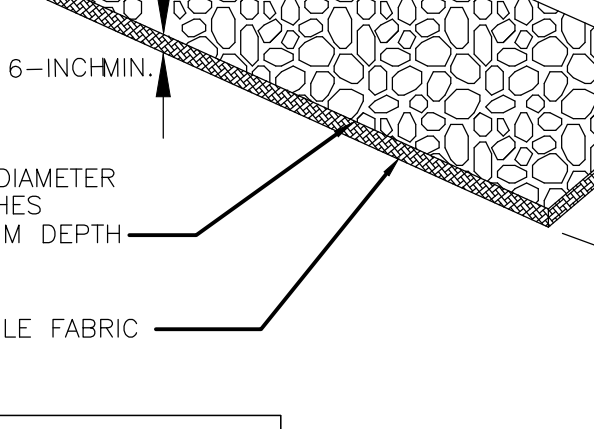
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FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL



South Carolina Department of Health and Environmental Control

**SILT FENCE**

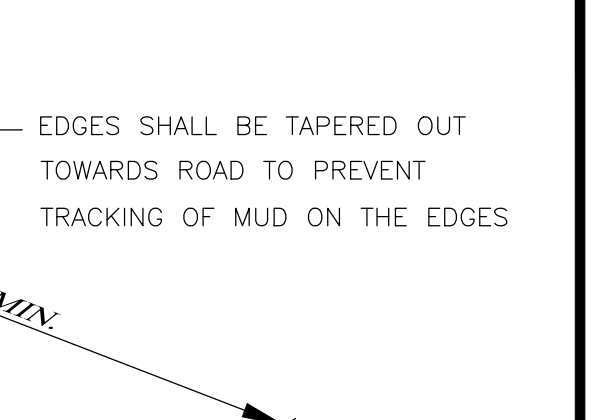
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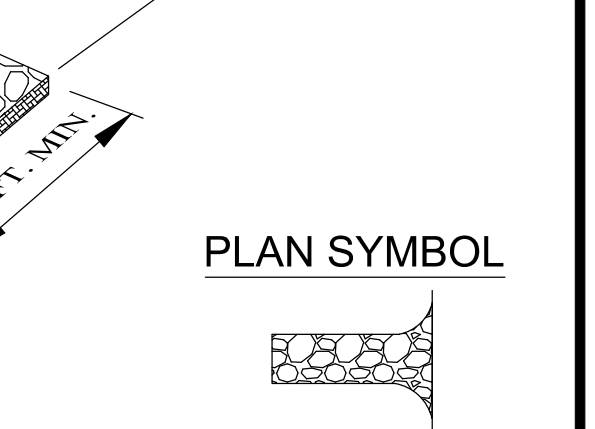
FEBRUARY 2014

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FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL



South Carolina Department of Health and Environmental Control

**SILT FENCE**

STANDARD DRAWING NO. SC-03 Page 1 of 2

NOT TO SCALE

FEBRUARY 2014

DATE

SILT FENCE — POST REQUIREMENTS

- Silt Fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
  - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
  - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
  - Weight 1.25 pounds per foot (± 8%)
- Posts shall be equipped with projections to aid in fastening of filter fabric.
- Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
- Install posts to a minimum of 24-inches. A minimum height of 1– to 2– inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
- Post spacing shall be at a maximum of 6-feet on center.

SILT FENCE — FABRIC REQUIREMENTS

- Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
  - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other.
  - Free of any treatment or coating which might adversely alter its physical properties after installation;
  - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and
  - Have a minimum width of 36-inches.
- Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
- 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
- Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
- Filter Fabric shall be installed at a minimum of 24-inches above the ground.

SILT FENCE — INSPECTION & MAINTENANCE

- The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
- Regular inspections of silt fence shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
- Attention to sediment accumulations along the silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
- Remove accumulated sediment when it reaches 1/3 the height of the silt fence.
- Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
- Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tie-backs and/or reinstall silt fence, as necessary.
- Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence immediately.
- Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

South Carolina Department of Health and Environmental Control

**SILT FENCE**

STANDARD DRAWING NO. SC-03 PAGE 2 of 2

GENERAL NOTES

FEBRUARY 2014

DATE

TYPE A — FILTER FABRIC REQUIREMENTS

- Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
  - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other.
  - Free of any treatment or coating which might adversely alter its physical properties after installation;
  - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
  - Have a minimum width of 36-inches.
- Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
- 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
- Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
- Filter Fabric shall be installed at a minimum of 24-inches above the ground.

TYPE A — POST REQUIREMENTS

- Silt Fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
  - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
  - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
  - Weight 1.25 pounds per foot (± 8%)
- Posts shall be equipped with projections to aid in fastening of filter fabric.
- Install posts to a minimum of 24-inches. A minimum height of 1– to 2– inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
- Post spacing shall be at a maximum of 3-feet on center.

South Carolina Department of Health and Environmental Control

**SILT FENCE**

STANDARD DRAWING NO. SC-07 PAGE 2 of 2

GENERAL NOTES

FEBRUARY 2014

DATE

CONSTRUCTION ENTRANCE — GENERAL NOTES

- Stabilized construction entrances should be used at all points where traffic will egress/ingress a construction site onto a public road or any impervious surfaces, such as parking lots.
- Install a non-woven geotextile fabric prior to placing any stone.
- Install a culvert pipe across the entrance when needed to provide positive drainage.
- The entrance shall consist of 2-inch to 3-inch D50 stone placed at a minimum depth of 6-inches.
- Minimum dimensions of the entrance shall be 24-feet wide by 100-feet long, and may be modified as necessary to accommodate site constraints.
- The edges of the entrance shall be tapered out towards the road to prevent tracking at the edge of the entrance.
- Divert all surface runoff and drainage from the stone pad to a sediment trap or basin or other sediment trapping structure.
- Limestone may not be used for the stone pad.

CONSTR. ENTRANCE — INSPECTION & MAINTENANCE

- The key to functional construction entrances is weekly inspections, routine maintenance, and regular sediment removal.
- Regular inspections of construction entrances shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event even that produces 1/2-inch or more of precipitation.
- During regular inspections, check for mud and sediment buildup and pad integrity. Inspection frequencies may need to be more frequent during long periods of wet weather.
- Reshape the stone pad as necessary for drainage and runoff control.
- Wash or replace stones as needed and as directed by site inspector. The stone in the entrance should be washed or replaced whenever the entrance fails to reduce the amount of mud being carried off-site by vehicles. Frequent washing will extend the useful life of stone pad.
- Immediately remove mud and sediment tracked or washed onto adjacent impervious surfaces by brushing or sweeping. Flushing should only be used when the water can be discharged to a sediment trap or basin.
- During maintenance activities, any broken pavement should be repaired immediately.
- Construction entrances should be removed after the site has reached final stabilization. Permanent vegetation should replace areas from which construction entrances have been removed, unless area will be converted to an impervious surface to serve post-construction.

South Carolina Department of Health and Environmental Control

**CONSTRUCTION ENTRANCE**

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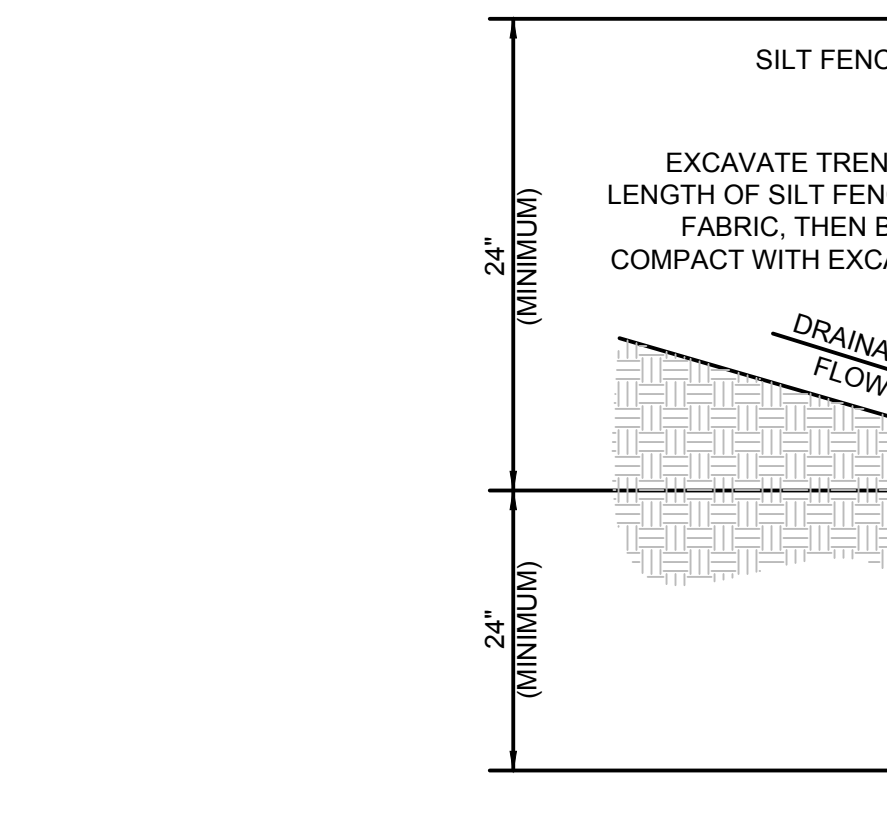
GENERAL NOTES

FEBRUARY 2014

DATE

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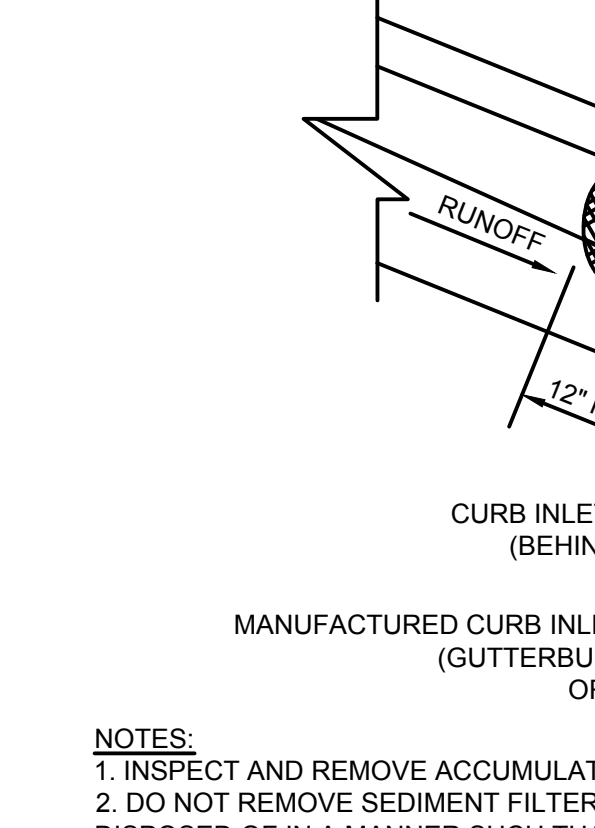


REINFORCED SILT FENCE

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PLAN SYMBOL

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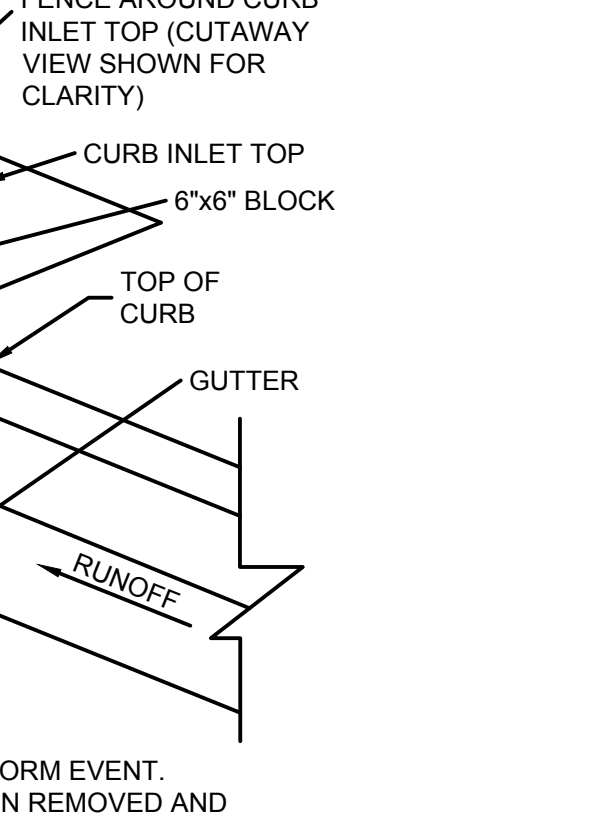


CURB INLET SEDIMENT FILTER

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PLAN SYMBOL

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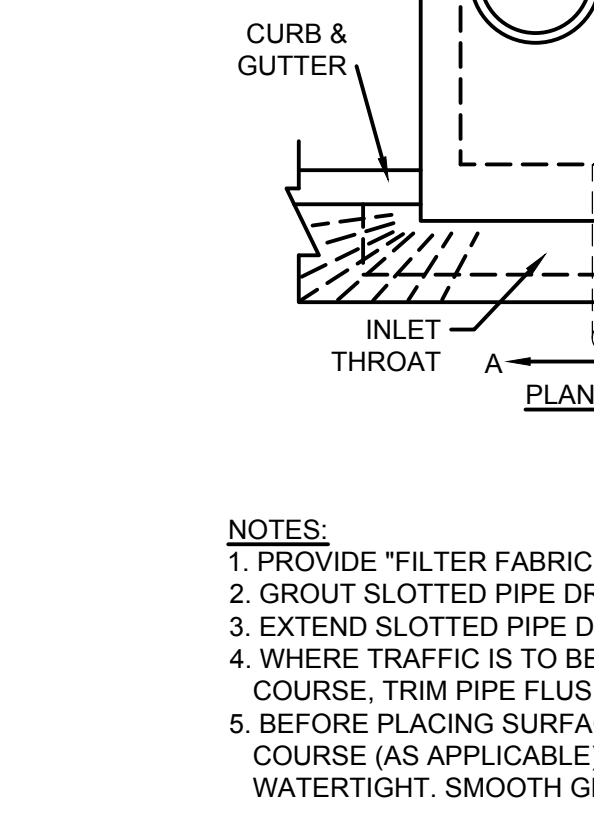


DRAINAGE INLET WEEP FILTER

(NOT TO SCALE)

PLAN SYMBOL

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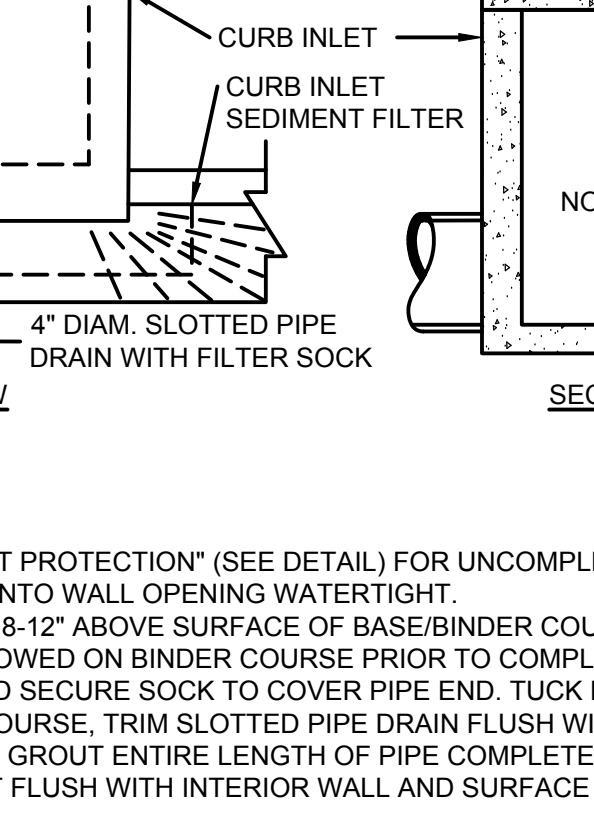


DRAINAGE INLET WEEP FILTER

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PLAN SYMBOL

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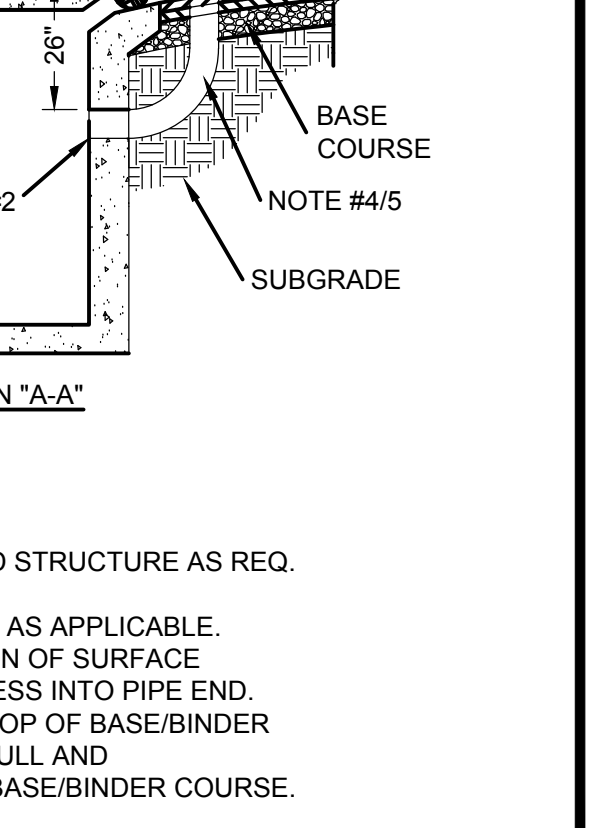


DRAINAGE INLET WEEP FILTER

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PLAN SYMBOL

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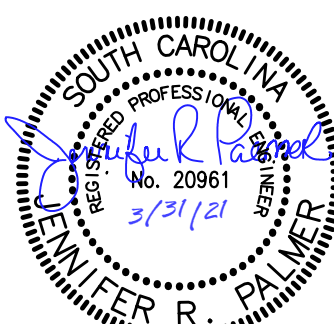
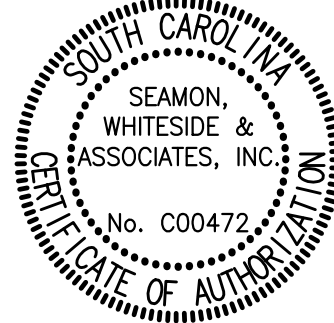


DRAINAGE INLET WEEP FILTER

(NOT TO SCALE)



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CHARLOTTE, NC 980.312.5450  
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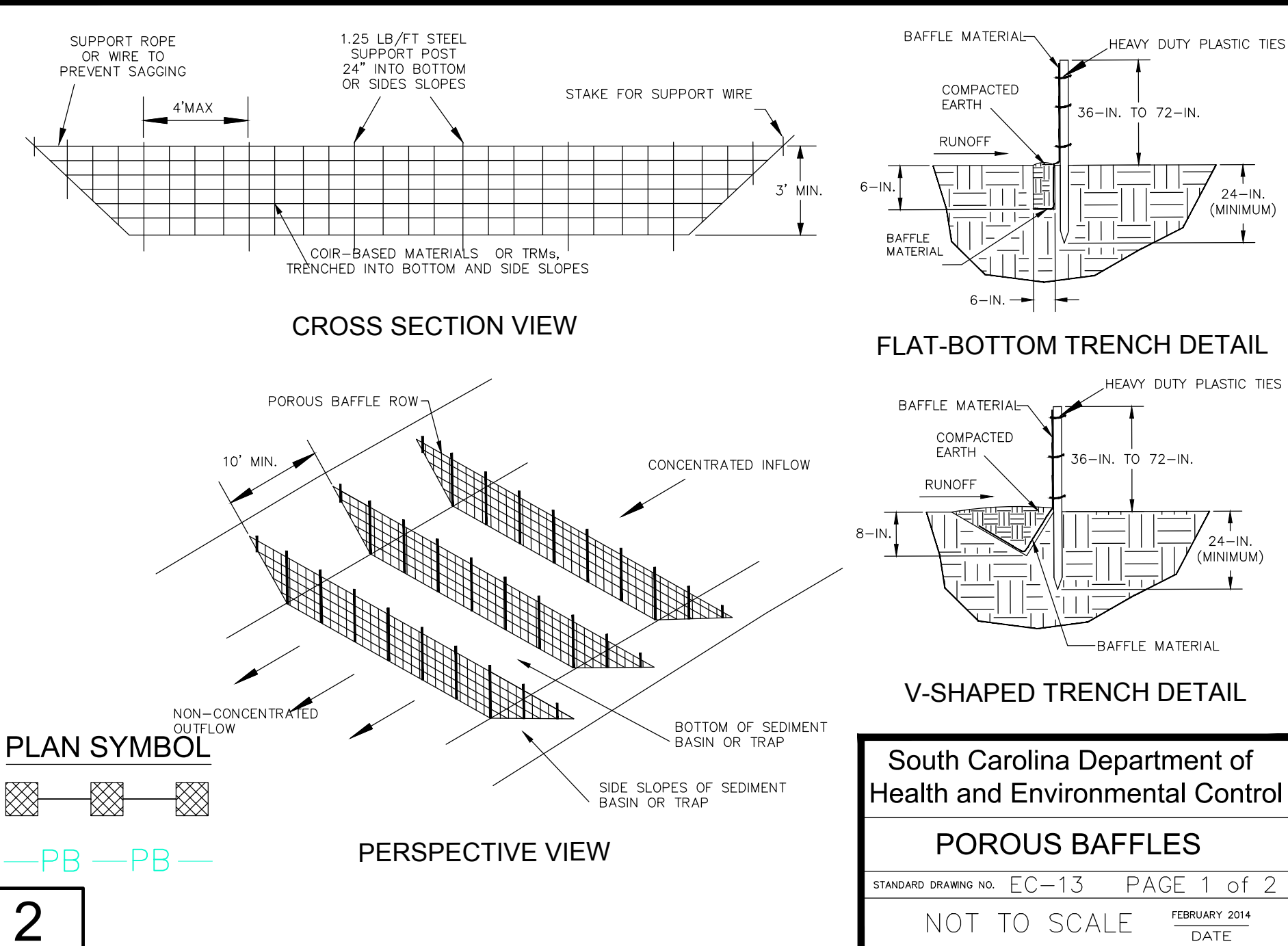
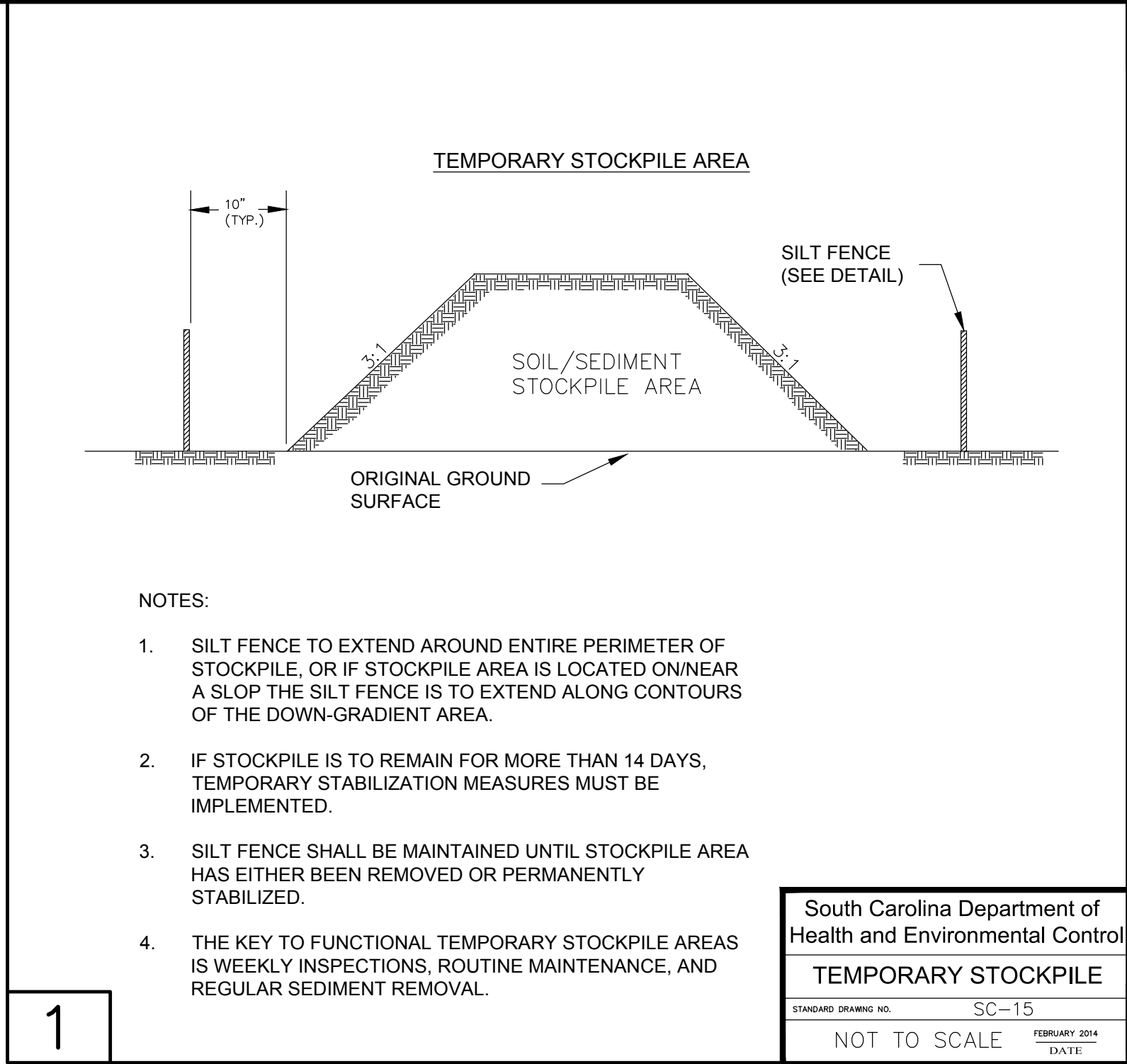
HANAHAN RECREATION COMPLEX  
CITY OF HANAHAN  
HANAHAN, SOUTH CAROLINA

SW+ PROJECT: 7867  
DATE: 06/12/20  
DRAWN BY: BET  
CHECKED BY: JRP

REVISION HISTORY	
A	6/12/20
B	10/29/20
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D	03/11/21
E	04/01/21

SWPPP DETAILS





**BAFFLES — POST REQUIREMENTS**

1. Porous baffle posts must be 60-inch to 96-inch long steel posts that meet, at a minimum, the following physical characteristics:
  - Composed of a high strength steel with a minimum yield strength of 50,000 psi;
  - Include a standard "I" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches;
  - Weigh 1.25 pounds per foot (± 8%)
2. Posts shall be equipped with projections to aid in fastening of baffle material.
3. Install posts to a minimum of 24-inches. A minimum height of 1- to 2-inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
4. Post spacing shall be at a maximum of 4-feet on center.

**BAFFLES — MATERIAL REQUIREMENTS**

1. Baffle material must be composed of coir-based materials or Turf Reinforcement Matting (TRM) that consists of the following requirements:
  - Have a light penetration (% openings) between 10-35%;
  - Free of loose straw material;
  - Have a minimum tensile strength of 145 lb/ft; and,
  - Have a minimum width of 48-inches.
2. 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled or baffle material may be stapled into ground by using 12-inch staples with a maximum spacing of 12-inches.
3. Baffle material shall be purchased in continuous rolls and cut to the width of the sediment basin or trap to avoid joints.

**BAFFLES — GENERAL NOTES**

1. Attach baffle to the steel posts using heavy-duty plastic ties that are evenly spaced along the above ground portion of each post.
2. Install the baffle rows perpendicular to the direction of the stormwater flow and place each baffle the proper distance from inlet and outlets to allow access for maintenance and clean-out.

South Carolina Department of Health and Environmental Control

POROUS BAFFLES

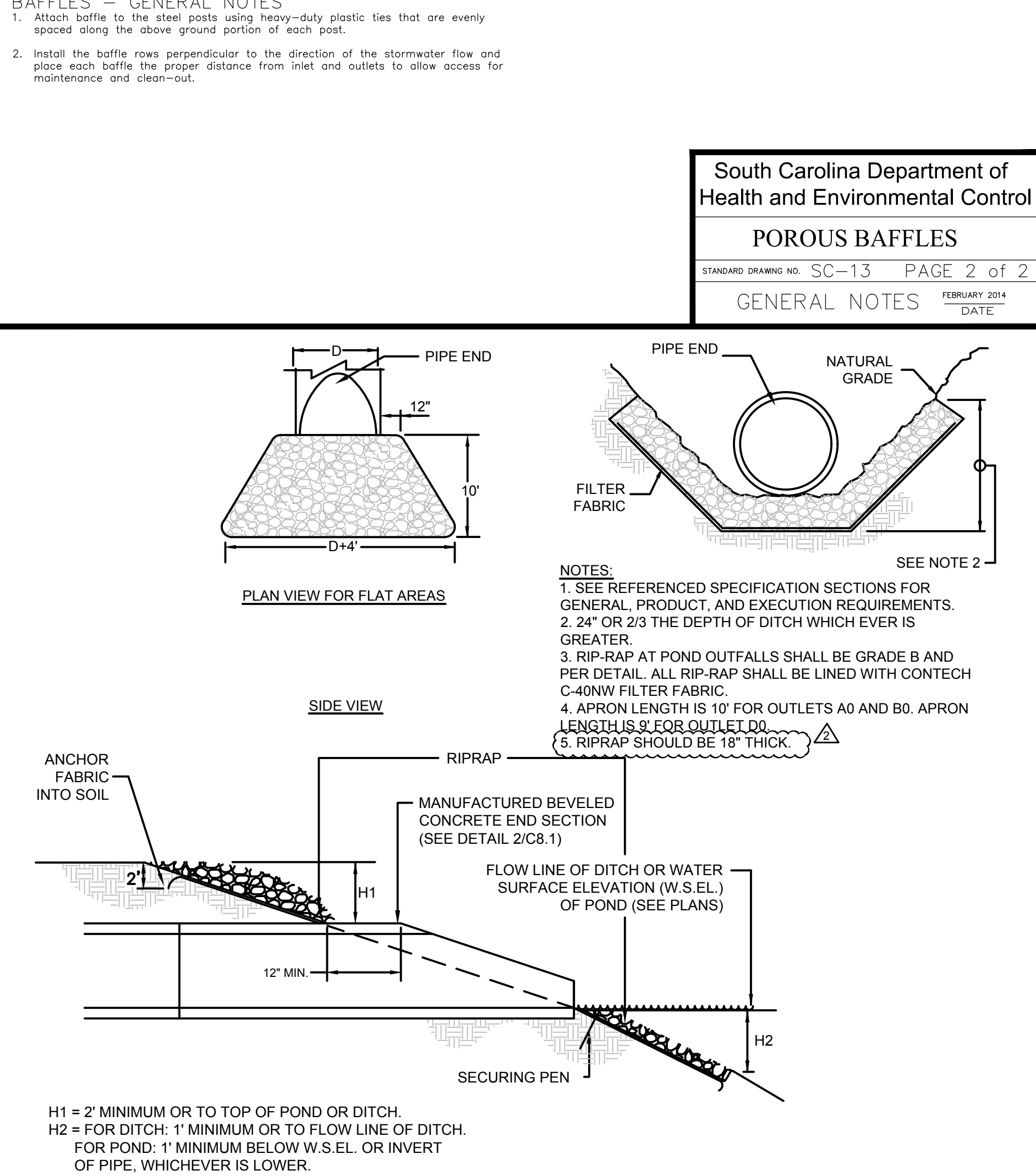
STANDARD DRAWING NO. SC-13

PAGE 2 of 2

GENERAL NOTES

FEBRUARY 2014

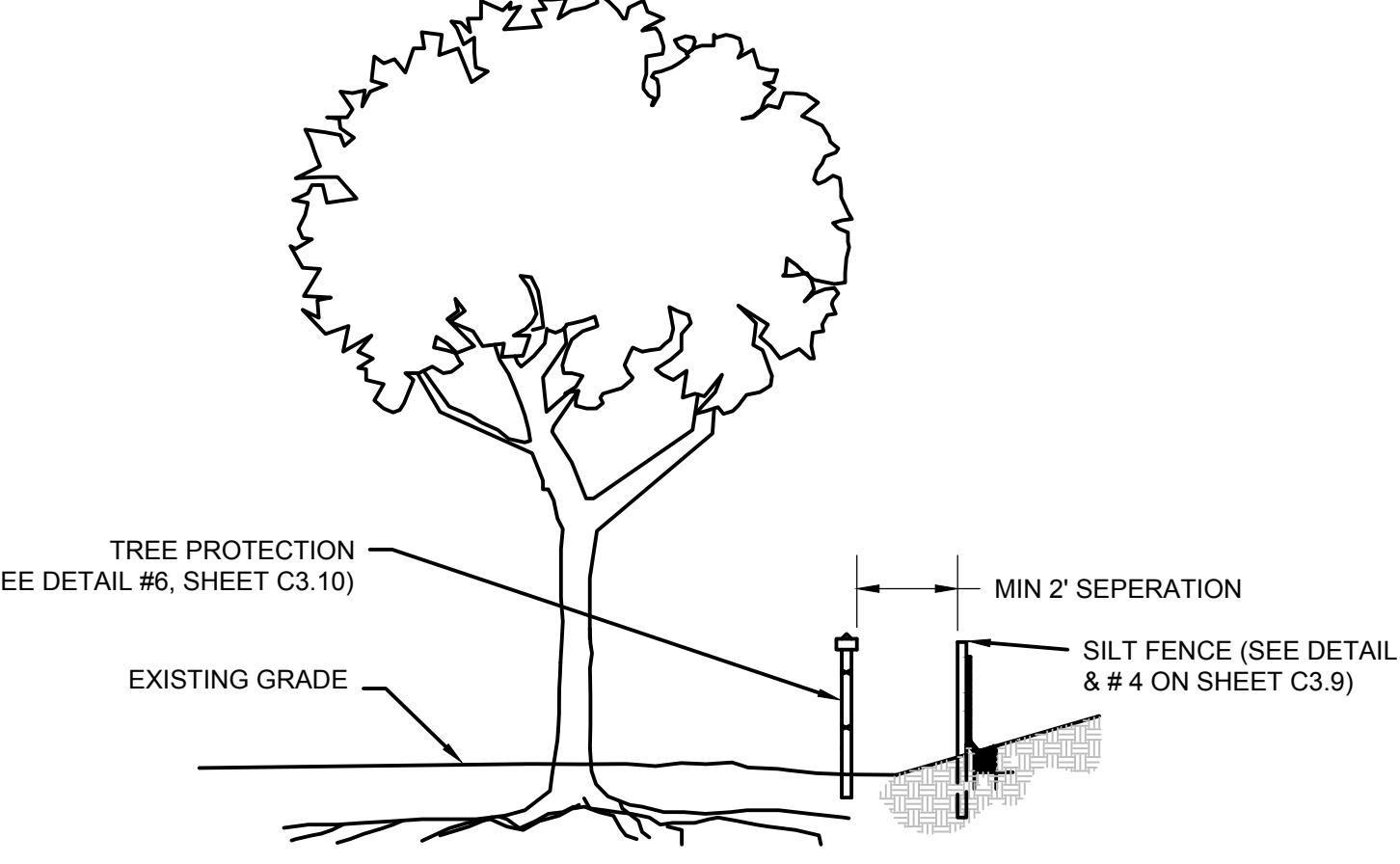
DATE



5 RIP RAP APRON AT BEVELED PIPE ENDS (NOT TO SCALE)



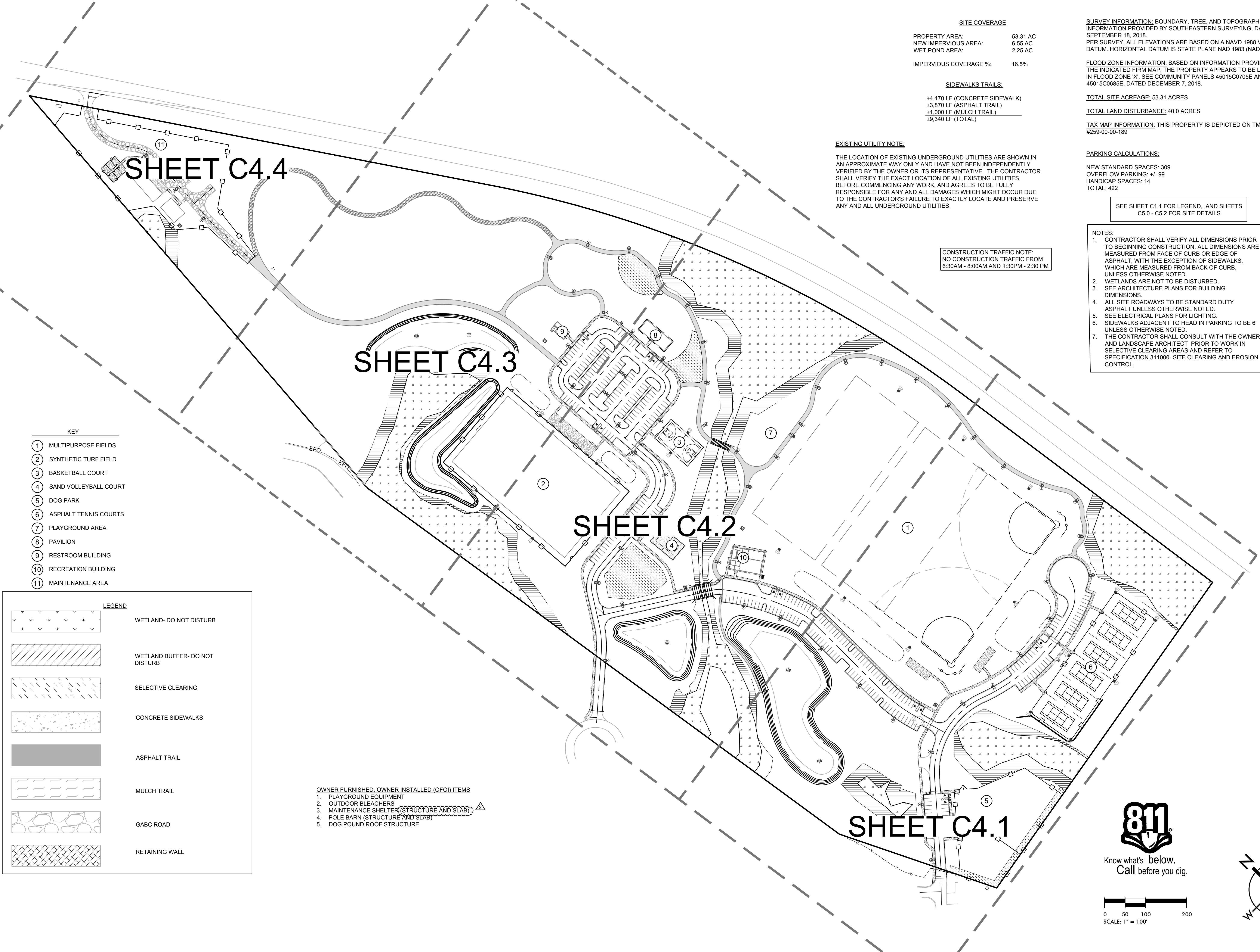
3 GRATE GATOR INLET PROTECTION (NOT TO SCALE)



4 COMBINED SILT FENCE/TREE PROTECTION (NOT TO SCALE)

REVISION HISTORY	
A	6/12/20
B	10/29/20
C	01/22/21
0	03/11/21
2	04/01/21





SITE COVERAGE	
PROPERTY AREA:	53.31 AC
NEW IMPERVIOUS AREA:	6.55 AC
WET POND AREA:	2.25 AC
IMPERVIOUS COVERAGE %:	16.5%

SIDEWALKS TRAILS:	
±4,470 LF (CONCRETE SIDEWALK)	
±3,870 LF (ASPHALT TRAIL)	
±1,000 LF (MULCH TRAIL)	
±9,340 LF (TOTAL)	

EXISTING UTILITY NOTE:

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

CONSTRUCTION TRAFFIC NOTE:  
NO CONSTRUCTION TRAFFIC FROM  
6:30AM - 8:00AM AND 1:30PM - 2:30 PM

SURVEY INFORMATION: BOUNDARY, TREE, AND TOPOGRAPHIC INFORMATION PROVIDED BY SOUTHEASTERN SURVEYING, DATED SEPTEMBER 18, 2018.  
PER SURVEY, ALL ELEVATIONS ARE BASED ON A NAVD 1988 VERTICAL DATUM. HORIZONTAL DATUM IS STATE PLANE NAD 1983 (NAD 83).

FLOOD ZONE INFORMATION: BASED ON INFORMATION PROVIDED ON THE INDICATED FIRM MAP. THE PROPERTY APPEARS TO BE LOCATED IN FLOOD ZONE 'X'. SEE COMMUNITY PANELS 45015C0705E AND 45015C0685E, DATED DECEMBER 7, 2018.

TOTAL SITE ACREAGE: 53.31 ACRES

TOTAL LAND DISTURBANCE: 40.0 ACRES

TAX MAP INFORMATION: THIS PROPERTY IS DEPICTED ON TMS #259-00-00-189

PARKING CALCULATIONS:

NEW STANDARD SPACES: 309  
OVERFLOW PARKING: +/- 99  
HANDICAP SPACES: 14  
TOTAL: 422

SEE SHEET C1.1 FOR LEGEND, AND SHEETS  
C5.0 - C5.2 FOR SITE DETAILS

NOTES:

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION. ALL DIMENSIONS ARE MEASURED FROM FACE OF CURB OR EDGE OF ASPHALT, WITH THE EXCEPTION OF SIDEWALKS, WHICH ARE MEASURED FROM BACK OF CURB, UNLESS OTHERWISE NOTED.
- WETLANDS ARE NOT TO BE DISTURBED.
- SEE ARCHITECTURE PLANS FOR BUILDING DIMENSIONS.
- ALL SITE ROADWAYS TO BE STANDARD DUTY ASPHALT UNLESS OTHERWISE NOTED.
- SEE ELECTRICAL PLANS FOR LIGHTING.
- SIDEWALKS ADJACENT TO HEAD IN PARKING TO BE 6' UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL CONSULT WITH THE OWNER AND LANDSCAPE ARCHITECT PRIOR TO WORK IN SELECTIVE CLEARING AREAS AND REFER TO SPECIFICATION 311000- SITE CLEARING AND EROSION CONTROL.

- KEY
- 1 MULTIPURPOSE FIELDS
  - 2 SYNTHETIC TURF FIELD
  - 3 BASKETBALL COURT
  - 4 SAND VOLLEYBALL COURT
  - 5 DOG PARK
  - 6 ASPHALT TENNIS COURTS
  - 7 PLAYGROUND AREA
  - 8 PAVILION
  - 9 RESTROOM BUILDING
  - 10 RECREATION BUILDING
  - 11 MAINTENANCE AREA

LEGEND

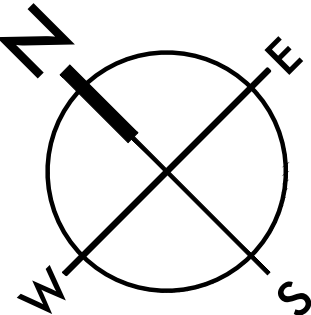
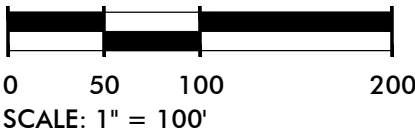
	WETLAND- DO NOT DISTURB
	WETLAND BUFFER- DO NOT DISTURB
	SELECTIVE CLEARING
	CONCRETE SIDEWALKS
	ASPHALT TRAIL
	MULCH TRAIL
	GABC ROAD
	RETAINING WALL

OWNER FURNISHED, OWNER INSTALLED (OFOI) ITEMS

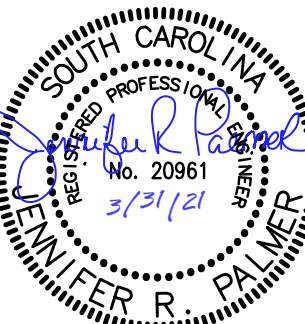
- 1. PLAYGROUND EQUIPMENT
- 2. OUTDOOR BLEACHERS
- 3. MAINTENANCE SHELTER (STRUCTURE AND SLAB)
- 4. POLE BARN (STRUCTURE AND SLAB)
- 5. DOG POUND ROOF STRUCTURE



Know what's below.  
Call before you dig.



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843.884.1667  
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HANAHAN RECREATION  
COMPLEX  
CITY OF HANAHAN  
HANAHAN, SOUTH CAROLINA

SW+ PROJECT: 7867  
DATE: 06/12/20  
DRAWN BY: BET  
CHECKED BY: JRP

REVISION HISTORY

A	6/12/20	
B	10/29/20	
C	01/22/21	
0	03/11/21	
2	04/01/21	

OVERALL SITE  
PLAN



KEYNOTE LEGEND

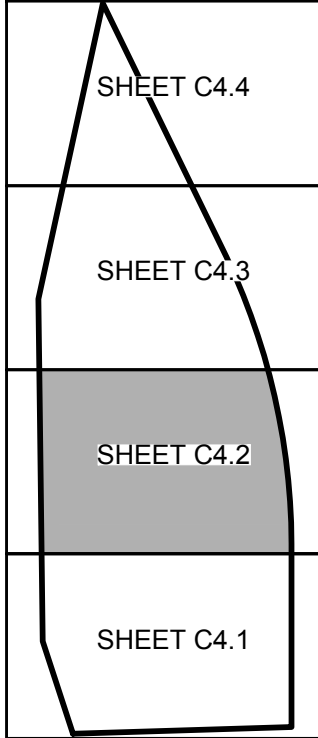
- CROSSWALK (10/C5.1)
- SIDEWALK RAMP TYPE A (11/C5.1)
- SIDEWALK RAMP TYPE P (12/C5.1)
- SIDEWALK RAMP TYPE O (8/C5.1)
- SIDEWALK RAMP TYPE Z (2/C5.1)
- 6" CONCRETE SIDEWALK (7/C5.0)
- ADA PARKING SIGN (5/C5.1)
- ADA PARKING SPACE (10/C5.1)
- DOG PARK ENTRANCE (1/L1.3)
- 6" HT CHAIN LINK 17' DOUBLE WIDE GATE (2/L1.0)
- 4" HT CHAIN LINK SINGLE GATE (3/L1.0)
- 4" HT CHAIN LINK DOUBLE GATE (2/L1.0)
- 4" HT CHAIN LINK FENCE (1/L1.0)
- 6" HT CHAIN LINK FENCE (1/L1.0)
- 28" TALL CHAIN LINK BACKSTOP (1/L1.1)
- DOUBLE ARM SWING GATE (7/C5.2)
- SINGLE ARM SWING GATE (4/C5.2)
- ASPHALT TRAIL (1/C5.2)
- DRINKING FOUNTAIN (11/L1.2)
- CONCRETE BLEACHER PAD (11/C5.0)
- 18" STRAIGHT CURB & GUTTER (6/C5.0)
- DEPRESSED CURB END (3/C5.1)
- 18" ROLLED CURB AND GUTTER (5/C5.0)
- TRANSITION FROM 18" STRAIGHT CURB AND GUTTER TO 18" ROLLED CURB
- ASPHALT PAVING (2/C5.0)
- STOP SIGN & BAR (4/7/C5.1)
- "ONE WAY ONLY" SIGN (2/C5.2)
- 4" PAINTED WHITE PARKING STRIPE
- GRASSED SEATING BERM (SHEETS C6.0-C6.4 & L2.0-L2.2)
- TENNIS COURT AND BASKETBALL PEDESTRIAN GATE (4/L1.4)
- 10' HT TENNIS AND BASKETBALL COURT FENCE (6/L1.4)
- POND FOUNTAIN (3/L1.1)

501 WANDO PARK BOULEVARD, SUITE 200 | MOUNT PLEASANT, SC 29464 | 508 RHETT STREET, SUITE 101 | GREENVILLE, SC 29601

501 WANDO PARK BOULEVARD, SUITE 200 | MOUNT PLEASANT, SC 29464 | 508 RHETT STREET, SUITE 101 | GREENVILLE, SC 29601

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SHEET LEGEND



**SURVEY INFORMATION:** BOUNDARY, TREE, AND TOPOGRAPHIC INFORMATION PROVIDED BY SOUTHEASTERN SURVEYING, DATED SEPTEMBER 18, 2018.  
PER SURVEY, ALL ELEVATIONS ARE BASED ON A NAVD 1988 VERTICAL DATUM. HORIZONTAL DATUM IS STATE PLANE NAD 1983 (NAD 83).

**FLOOD ZONE INFORMATION:** BASED ON INFORMATION PROVIDED ON THE INDICATED FIRM MAP, THE PROPERTY APPEARS TO BE LOCATED IN FLOOD ZONE "X". SEE COMMUNITY PANELS 45015C0705E AND 45015C0685E, DATED DECEMBER 7, 2018.

**TOTAL SITE ACREAGE:** 53.31 ACRES

**TOTAL LAND DISTURBANCE:** 40.0 ACRES

**TAX MAP INFORMATION:** THIS PROPERTY IS DEPICTED ON TMS #259-00-00-189

SEE SHEET C1.1 FOR LEGEND, AND SHEETS C5.0 - C5.2 FOR SITE DETAILS

SEE SHEETS L1.0 - L1.4 FOR HARDSCAPE AND RECREATION ELEMENT DETAILS

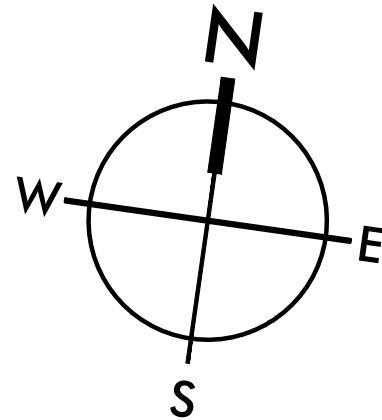
- NOTES:**
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION. ALL DIMENSIONS ARE MEASURED FROM FACE OF CURB OR EDGE OF ASPHALT, WITH THE EXCEPTION OF SIDEWALKS, WHICH ARE MEASURED FROM BACK OF CURB.
  - CONSTRUCTION TRAFFIC ACROSS MODULAR BRIDGE MUST BE COORDINATED WITH MANUFACTURER FOR WEIGHT LIMITS.

EXISTING UTILITY NOTE:

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0 20 40 80  
SCALE: 1" = 40'



HANAHAN RECREATION

COMPLEX

CITY OF HANAHAN

HANAHAN, SOUTH CAROLINA

SW+ PROJECT: 7867  
DATE: 06/12/20  
DRAWN BY: BET  
CHECKED BY: JRP

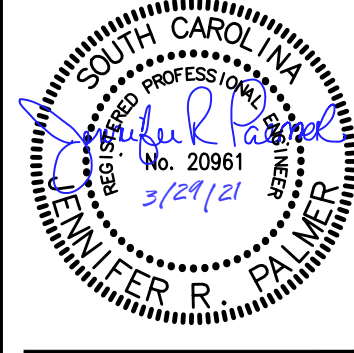
REVISION HISTORY

A	6/12/20
B	10/29/20
C	01/22/21
D	03/11/21

SITE PLAN

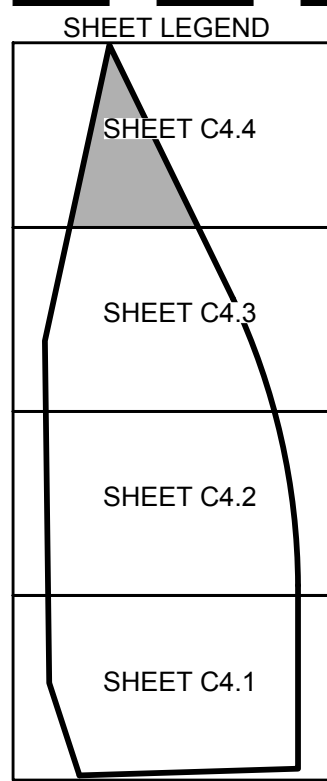
C4.2

MOUNT PLEASANT, SC  
843.884.1667  
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CHARLOTTE, NC  
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TMS# 259-00-00-086  
WEST-SIGNAL INDUSTRIAL PROPERTY A, LLC



**SURVEY INFORMATION:** BOUNDARY, TREE, AND TOPOGRAPHIC INFORMATION PROVIDED BY SOUTHEASTERN SURVEYING, DATED SEPTEMBER 18, 2018.  
PER SURVEY, ALL ELEVATIONS ARE BASED ON A NAVD 1988 VERTICAL DATUM. HORIZONTAL DATUM IS STATE PLANE NAD 1983 (NAD 83).

**FLOOD ZONE INFORMATION:** BASED ON INFORMATION PROVIDED ON THE INDICATED FIRM MAP, THE PROPERTY APPEARS TO BE LOCATED IN FLOOD ZONE 'X'. SEE COMMUNITY PANELS 45015C0705E AND 45015C0685E, DATED DECEMBER 7, 2018.

**TOTAL SITE ACREAGE:** 53.31 ACRES  
**TOTAL LAND DISTURBANCE:** 40.0 ACRES

**TAX MAP INFORMATION:** THIS PROPERTY IS DEPICTED ON TMS #259-00-00-189

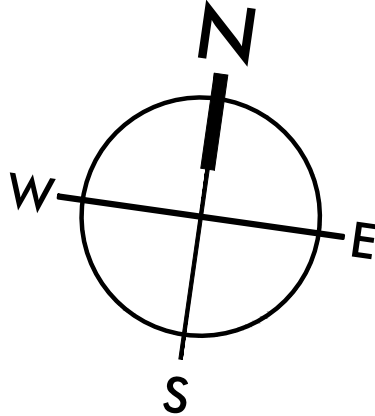
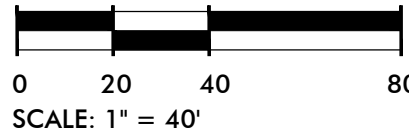
SEE SHEET C1.1 FOR LEGEND, AND SHEETS C5.0 - C5.2 FOR SITE DETAILS

SEE SHEETS L1.0 - L1.4 FOR HARDSCAPE AND RECREATION ELEMENT DETAILS

NOTES:  
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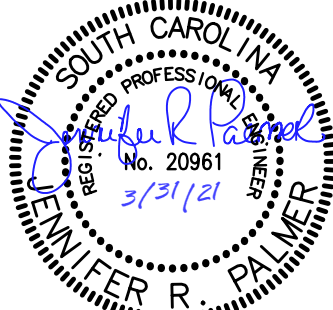
**KEYNOTE LEGEND**

1. CROSSWALK (10/C5.1)
2. SIDEWALK RAMP TYPE A (11/C5.1)
3. SIDEWALK RAMP TYPE P (12/C5.1)
4. SIDEWALK RAMP TYPE O (8/C5.1)
5. SIDEWALK RAMP TYPE Z (2/C5.1)
6. 6' CONCRETE SIDEWALK (7/C5.0)
7. ADA PARKING SIGN (5/C5.1)
8. ADA PARKING SPACE (10/C5.1)
9. DOG PARK ENTRANCE (1/L1.3)
10. 6' HT CHAIN LINK 17' DOUBLE WIDE GATE (2/L1.0)
11. 4' HT CHAIN LINK SINGLE GATE (3/L1.0)
12. 4' HT CHAIN LINK DOUBLE GATE (2/L1.0)
13. 4' HT CHAIN LINK FENCE (1/L1.0)
14. 6' HT CHAIN LINK FENCE (1/L1.0)
15. 28' TALL CHAIN LINK BACKSTOP (1/L1.1)
16. DOUBLE ARM SWING GATE (7/C5.2)
17. SINGLE ARM SWING GATE (4/C5.2)
18. ASPHALT TRAIL (1/C5.2)
19. DRINKING FOUNTAIN (11/L1.2)
20. CONCRETE BLEACHER PAD (11/C5.0)
21. 18" STRAIGHT CURB & GUTTER (6/C5.0)
22. DEPRESSED CURB END (3/C5.1)
23. 18" ROLLED CURB AND GUTTER (5/C5.0)
24. TRANSITION FROM 18" STRAIGHT CURB AND GUTTER TO 18" ROLLED CURB
25. ASPHALT PAVING (2/C5.0)
26. STOP SIGN & BAR (4,7/C5.1)
27. "ONE WAY ONLY" SIGN (2/C5.2)
28. 4" PAINTED WHITE PARKING STRIPE
29. GRASSED SEATING BERM (SHEETS C6.0-C6.4 & L2.0-L2.2)
30. TENNIS COURT AND BASKETBALL PEDESTRIAN GATE (4/L1.4)
31. 10' HT TENNIS AND BASKETBALL COURT FENCE (6/L1.4)
32. POND FOUNTAIN (3/L1.1)

SCDOT NOTE:  
WHERE ANY PORTION OF THE ADJACENT SCDOT TRAVEL LANE SURFACE THAT IS DAMAGED ALONG S-136, THE CONTRACTOR SHALL REPLACE THE FULL WIDTH OF THE LANE BY MILLING 2" AND REPAVING PER SCDOT STANDARDS FOR THE LENGTH OF THE DAMAGE PLUS 10 FEET AT EACH END.



MOUNT PLEASANT, SC 843.884.1667  
GREENVILLE, SC 864.298.0534  
SUMMERVILLE, SC 843.972.0710  
SPARTANBURG, SC 864.298.0534  
CHARLOTTE, NC 980.312.5450  
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**HANAHAN RECREATION COMPLEX**  
CITY OF HANAHAN  
HANAHAN, SOUTH CAROLINA

SW+ PROJECT: 7867  
DATE: 06/12/20  
DRAWN BY: BET  
CHECKED BY: JRP

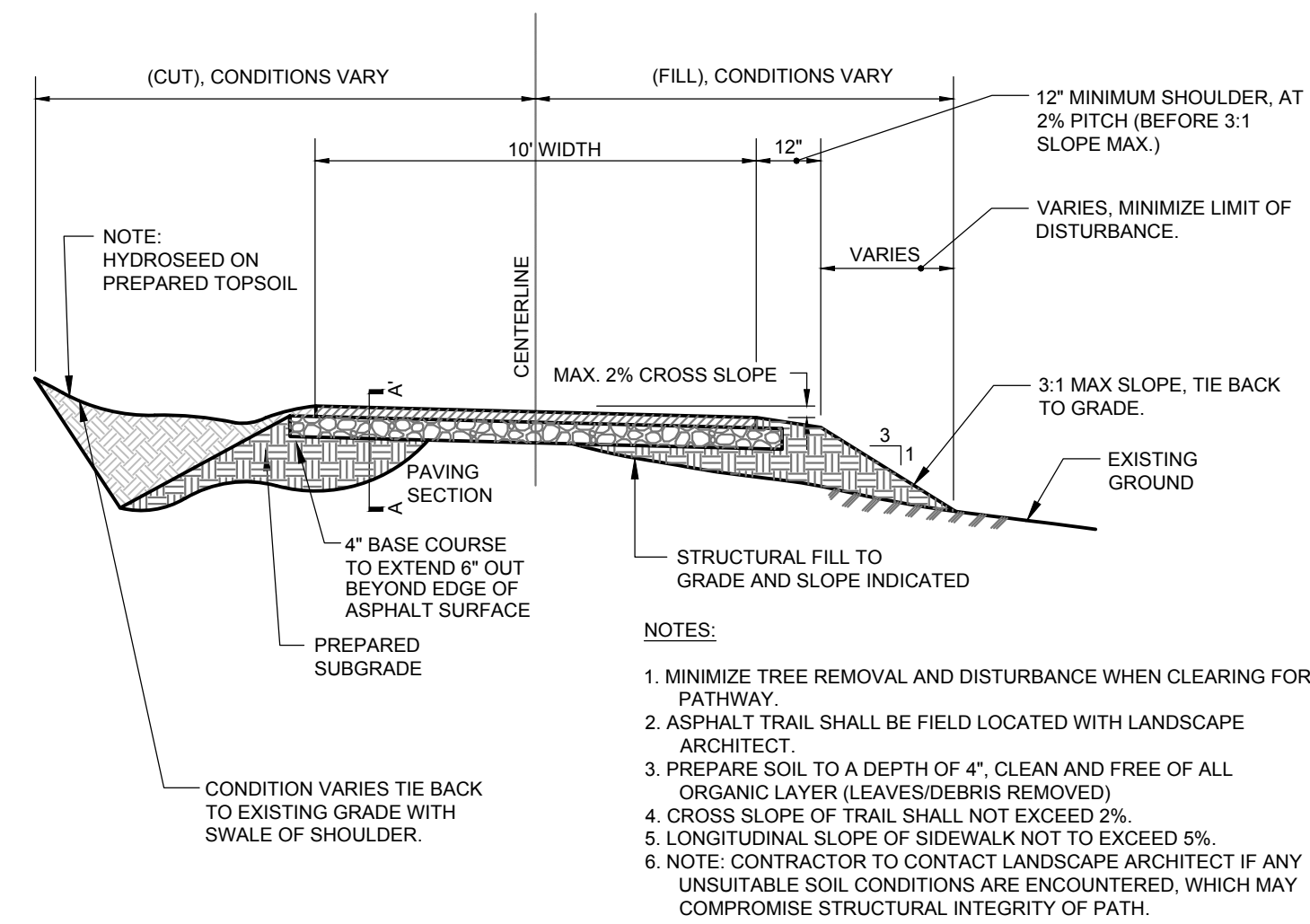
REVISION HISTORY	
A	6/12/20
B	10/29/20
C	01/22/21
D	03/11/21
2	04/01/21

**SITE PLAN**









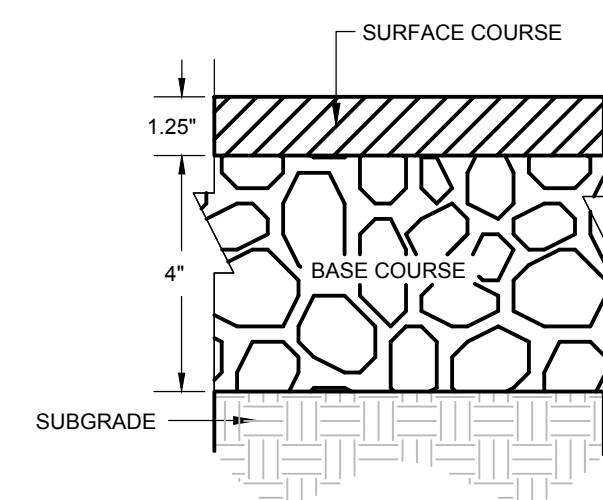
ITEM:	MATERIAL:	SWA SPECIFICATION SECTION NAME:
SUBGRADE	PREPARED IN-SITU SUBSOIL OR STRUCTURAL FILL	EARTH MOVING
BASE COURSE	GRADED AGGREGATE BASE COURSE	EARTH MOVING
SURFACE COURSE	HOT MIX ASPHALT SURFACE COURSE (TYPE C)	ASPHALT PAVING



NUMBER: R6-1R-36

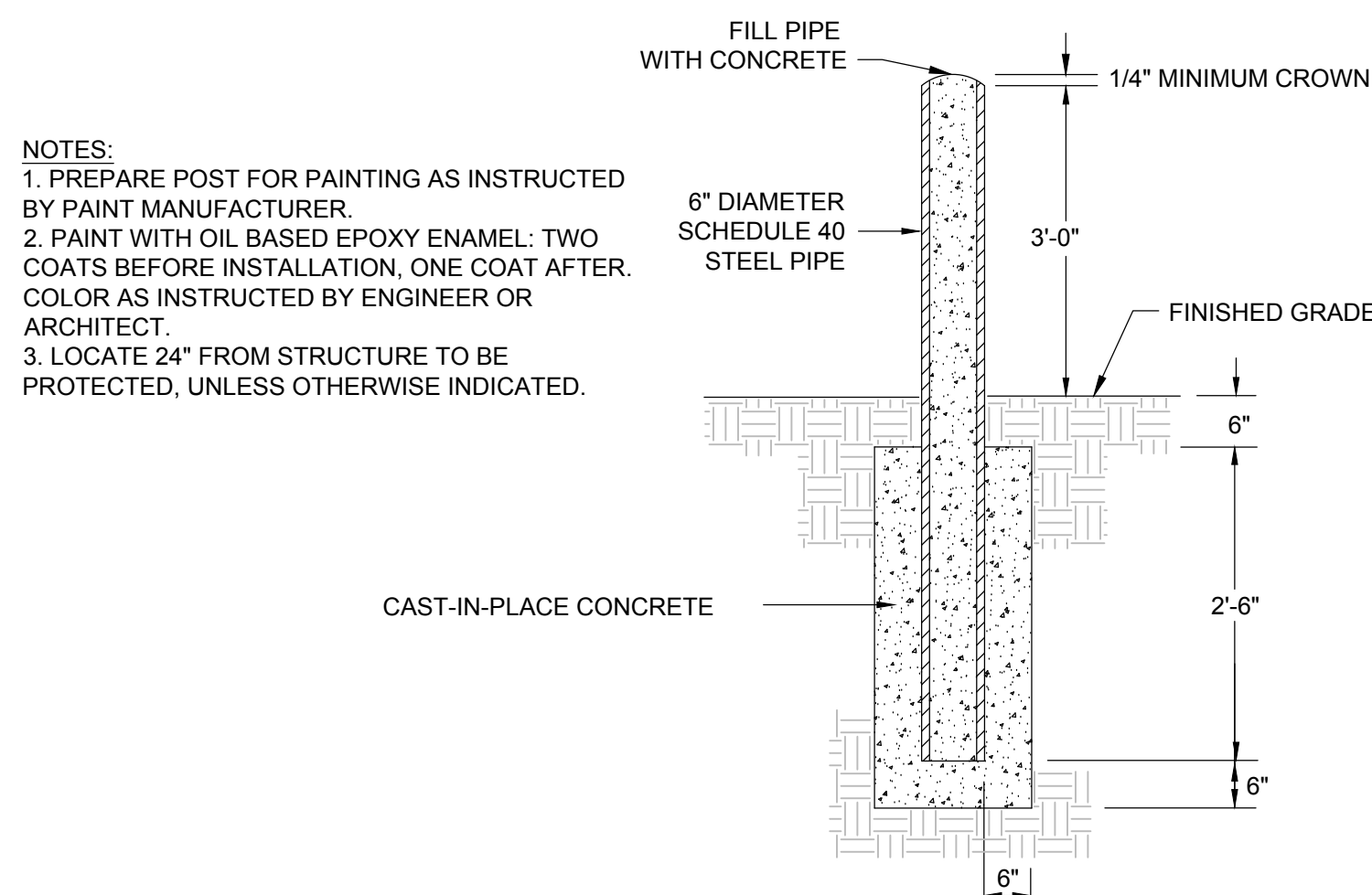
ONE-WAY SIGNS AND INSTALLATION TO CONFORM  
WITH M.U.T.C.D. SPECIFICATIONS.  
SIZE: 36" X 12"  
CLASS: STANDARD  
BACKGROUND AND WORDS: BLACK  
ARROW AND BORDER: WHITE-REFLECTORIZED  
SIGN POST: GALVANIZED U-CHANNEL PER  
SCDOT SPECIFICATIONS

NOTE  
1. CONTRACTOR IS ADVISED THAT PAVING DESIGN RECOMMENDED BY GEOTECHNICAL ENGINEER IS BASED ON PREDICTED TRAFFIC LOADING AND ESTABLISHED STRENGTHS FOR PROPERLY INSTALLED PAVEMENTS.  
CONTRACTOR MUST COORDINATE REQUIRED GEOTECHNICAL TESTING & INSPECTION TO ENSURE THAT SUBGRADE AND PAVEMENT STRENGTH REQUIREMENTS ARE MET.

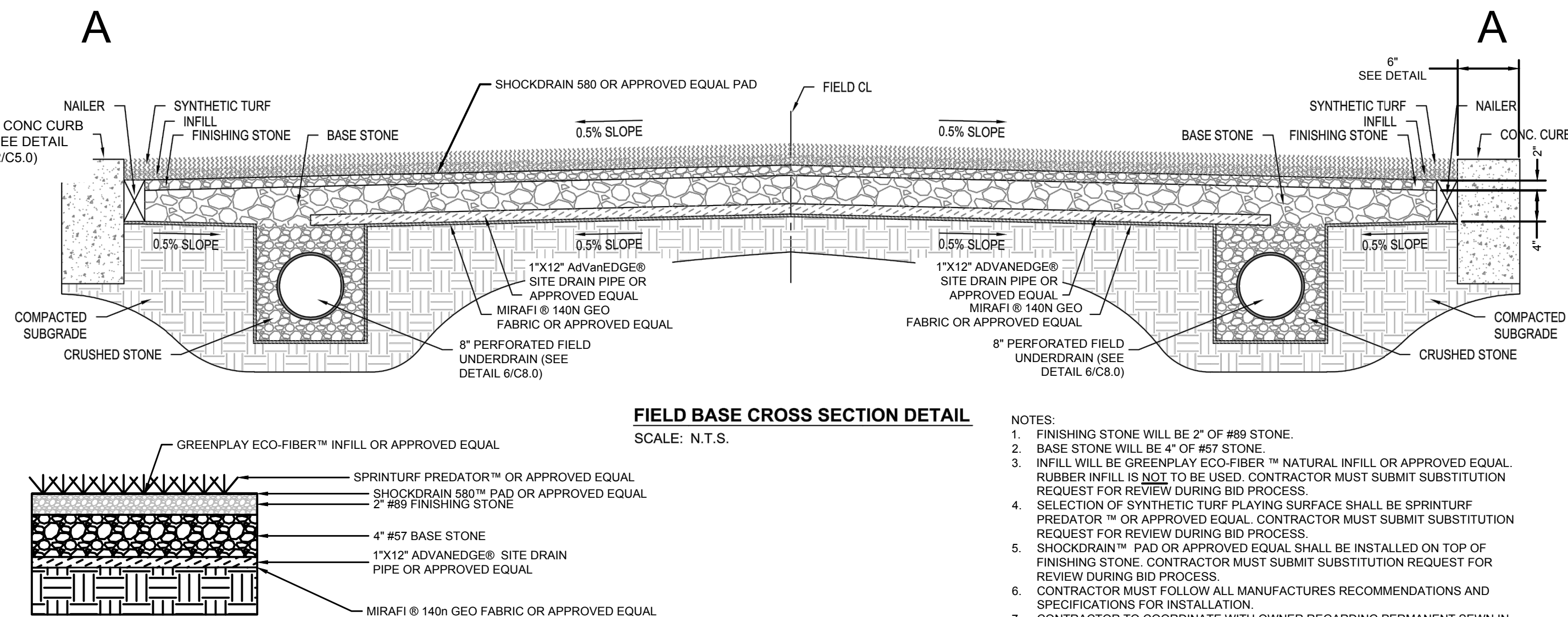


PAVING SECTION A-A'

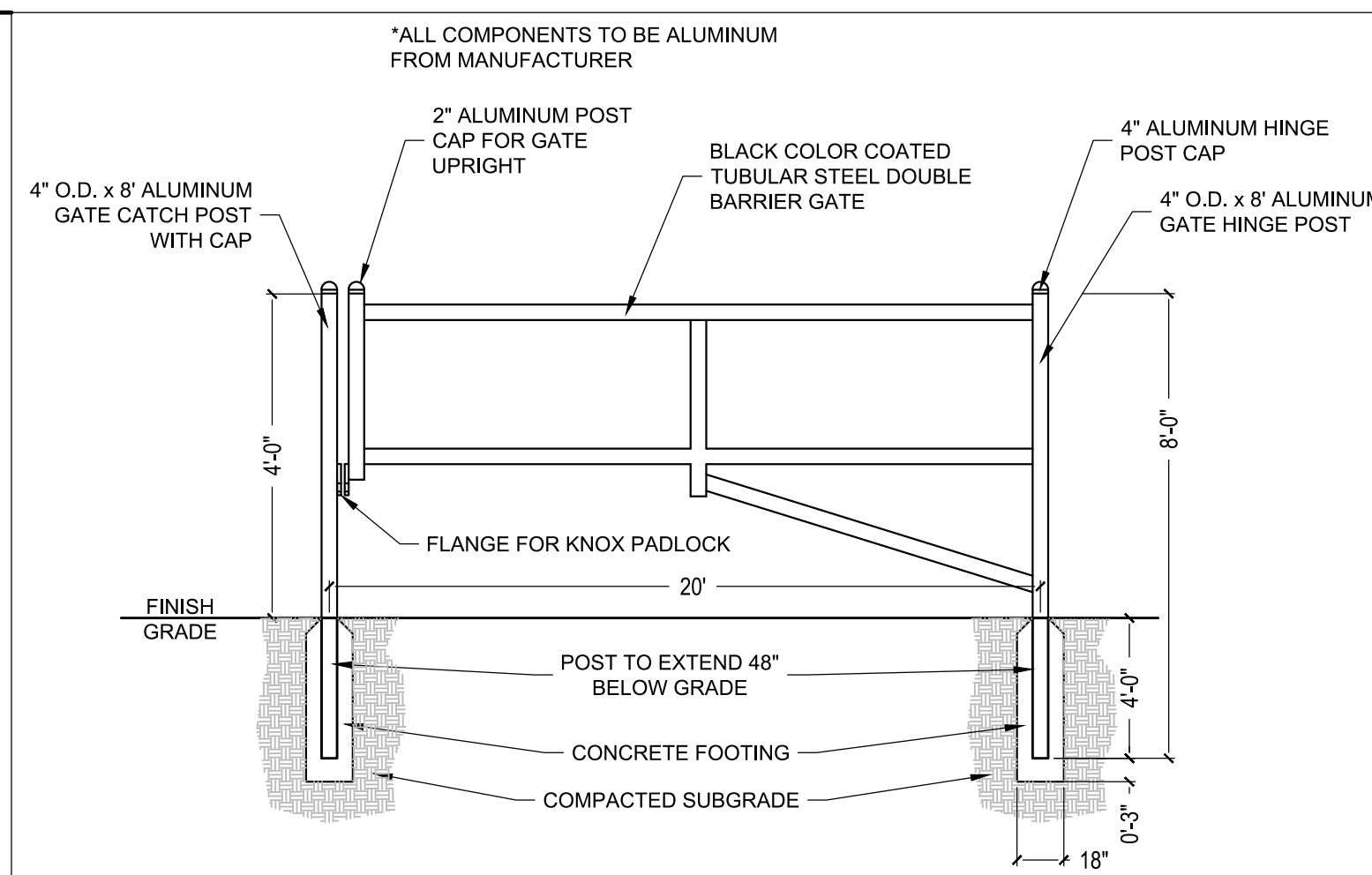
1	ASPHALT TRAIL NOT TO SCALE
---	-------------------------------



3	GUARD BOLLARD (NOT TO SCALE)
---	---------------------------------



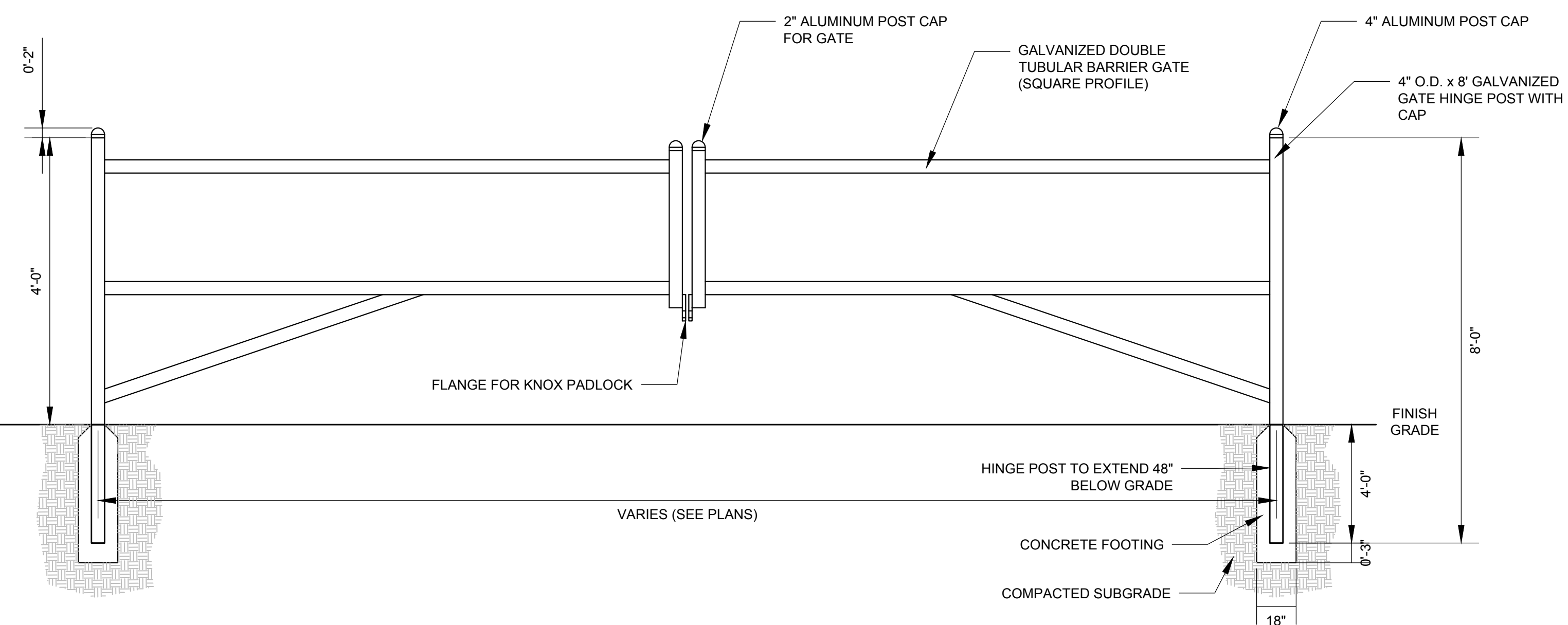
## 6 SYNTHETIC TURF FIELD CROSS SECTION



NOTES:

1. GATE SHALL BE 4' HIGH H-SERIES TUBULAR ALUMINUM SINGLE BARRIER. GATE KIT MANUFACTURED BY HOOVER FENCE OR APPROVED EQUAL.
2. SEE MANUFACTURER'S SPECS FOR DETAILS & INSTALLATION.
3. COORDINATE POST LOCATIONS WITH UTILITIES. LOCATE POST NO CLOSER THAN 24" TO B.O.C.
4. GATE CATCH POSTS SHALL INCLUDE FLANGES TO RECEIVE KNOX PADLOCK.
5. GATE SHALL BE SECURED TO CATCH POST WITH KNOX PADLOCK.
6. ALL COMPONENTS TO BE PAINTED BLACK WITH TNEC SERIES 73 PAINT.

4 SINGLE ARM BARRIER GATE  
(NOT TO SCALE)



NOTE:

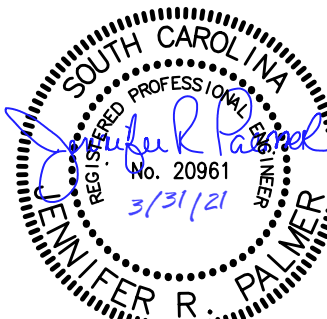
1. SEE MANUFACTURER'S SPECS FOR DETAILS AND INSTALLATION.
2. COORDINATE POST LOCATION WITH UTILITIES. LOCATE POST NO CLOSER THAN 24" TO B.O.C. UNLESS OTHERWISE NOTED.
3. (2) 4" O.D. 8' GALVANIZED GATE CATCH POSTS TO RECEIVE KNOX PADLOCK. CATCH POST SHALL BE 17 MAX. INCHES FROM EACH HINGE POST.
4. GATES SHALL BE SECURED TO CATCH POST WITH KNOX PADLOCK.
5. THE GATES SHALL BE MAINTAINED OPERATIONAL BY EMERGENCY PERSONNEL AT ALL TIMES.
6. ALL COMPONENTS TO BE PAINTED BLACK WITH TNEMC SERIES 73 PAINT.

7	DOUBLE SWING ARM BARRIER GATE (NOT TO SCALE)
---	---

2	SIGN - ONE - WAY NOT TO SCALE
---	----------------------------------



**MOUNT PLEASANT, SC**  
843.884.1667  
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864.298.0534  
**SUMMERVILLE, SC**  
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**CHARLOTTE, NC**  
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**HANAHAN RECREATION  
COMPLEX**

CITY OF HANAHAN  
HANAHAN, SOUTH CAROLINA

SW+ PROJECT: 7867  
DATE: 06/12/20  
DRAWN BY: BET  
CHECKED BY: JRF

REVISION HISTORY	
A	6/12/20
B	10/29/20
C	01/22/21
0	03/11/21
2	04/01/21

## SITE DETAILS

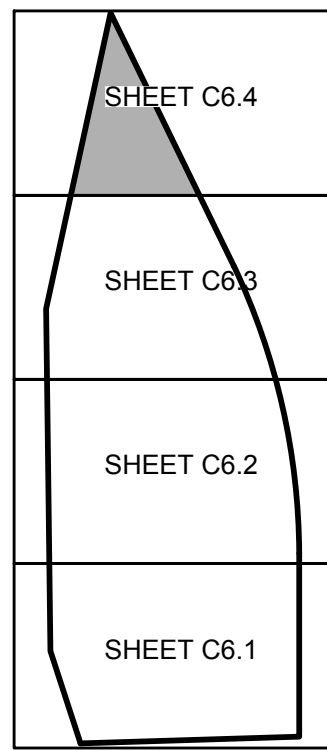
C5.2



TMS# 258-00-00-086  
WEST-SIGNAL INDUSTRIAL PROPERTY A, LLC

MATCHLINE C6.4

MATCHLINE C7.4



- NOTES:**
- ALL ELEVATIONS ARE BASED ON THE NAVD 1988 DATUM.
  - BOUNDARY DATA AND TOPO SURVEY PROVIDED BY SOUTHEASTERN LAND SURVEYING.
  - CONTRACTOR SHALL EMPLOY ANY NECESSARY EROSION CONTROL METHODS AVAILABLE TO PREVENT SEDIMENT FROM ENTERING FRESHWATER WETLANDS.
  - REFERENCE SCDOT DETAILS FOR RCP INSTALLATION.

**DRAINAGE PIPE ABBREVIATIONS (SEE SPECS FOR ADDITIONAL INFORMATION)**

- GRCP - REINFORCED CONCRETE PIPE: ASTM C 76, CLASS III, WALL B WITH GASKETED JOINTS (ASTM C 443).
- SRCP - REINFORCED CONCRETE PIPE: ASTM C 76, CLASS III, WALL B WITH SEALANT JOINTS (ASTM C 900)
- PVC - POLYVINYL CHLORIDE PLASTIC PIPE: ASTM D 3034, SDR 26 WITH WATER-TIGHT, GASKETED JOINTS (ASTM D 3212).

**DRAINAGE STRUCTURE ABBREVIATIONS (SEE SPECS AND DETAILS FOR ADDITIONAL INFORMATION)**

- CB - CATCH BASIN
- CI-16 - CURB INLET SCDOT TYPE 16
- JB - JUNCTION BOX
- PE - PIPE END
- BPE - BEVELED PIPE END

- UNDERDRAIN
- SWALE

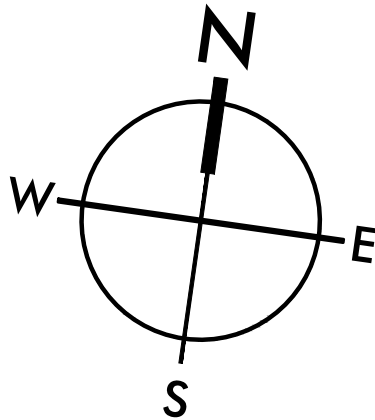
SEE SHEET C1.1 FOR LEGEND, SHEETS C7.5 - C7.7 FOR DRAINAGE PROFILES AND SHEETS C8.0 - C8.1 FOR GRADING & DRAINAGE DETAILS.

**EXISTING UTILITY NOTE:**

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



0 20 40 80  
SCALE: 1" = 40'



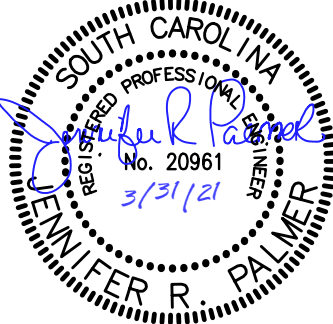
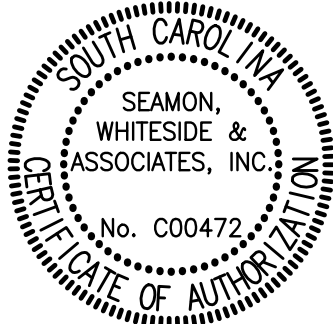
**HANAHAN RECREATION**

**COMPLEX**

CITY OF HANAHAN  
HANAHAN, SOUTH CAROLINA



MOUNT PLEASANT, SC  
843.884.1667  
GREENVILLE, SC  
864.298.0534  
SUMMERVILLE, SC  
843.972.0710  
SPARTANBURG, SC  
864.298.0534  
CHARLOTTE, NC  
980.312.5450  
WWW.SEAMONWHITESIDE.COM



SW+ PROJECT: 7867  
DATE: 06/12/20  
DRAWN BY: BET  
CHECKED BY: JRP

**REVISION HISTORY**

A	6/12/20	
B	10/29/20	
C	01/22/21	
D	03/11/21	
2	04/01/21	

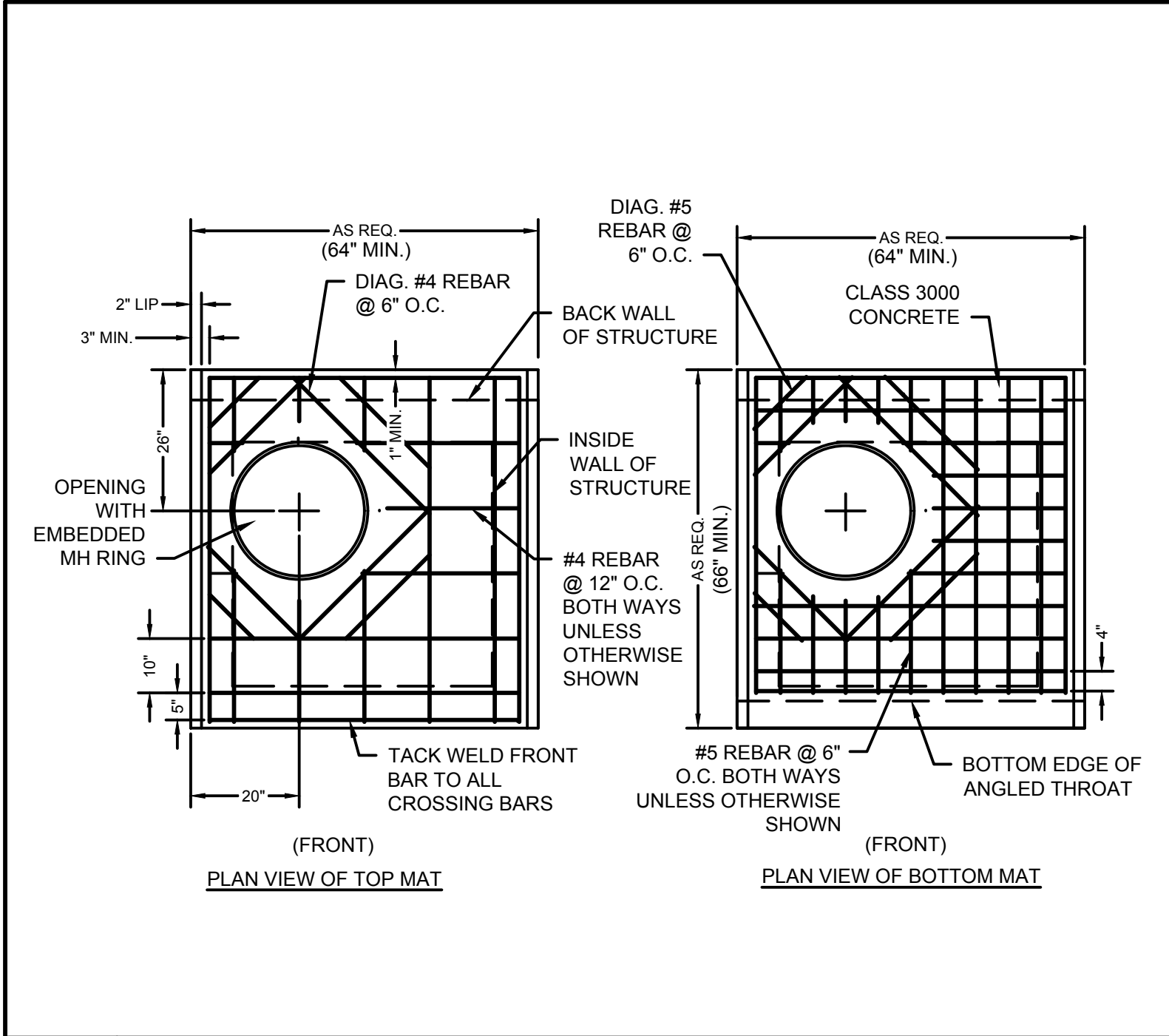
**DRAINAGE PLAN**



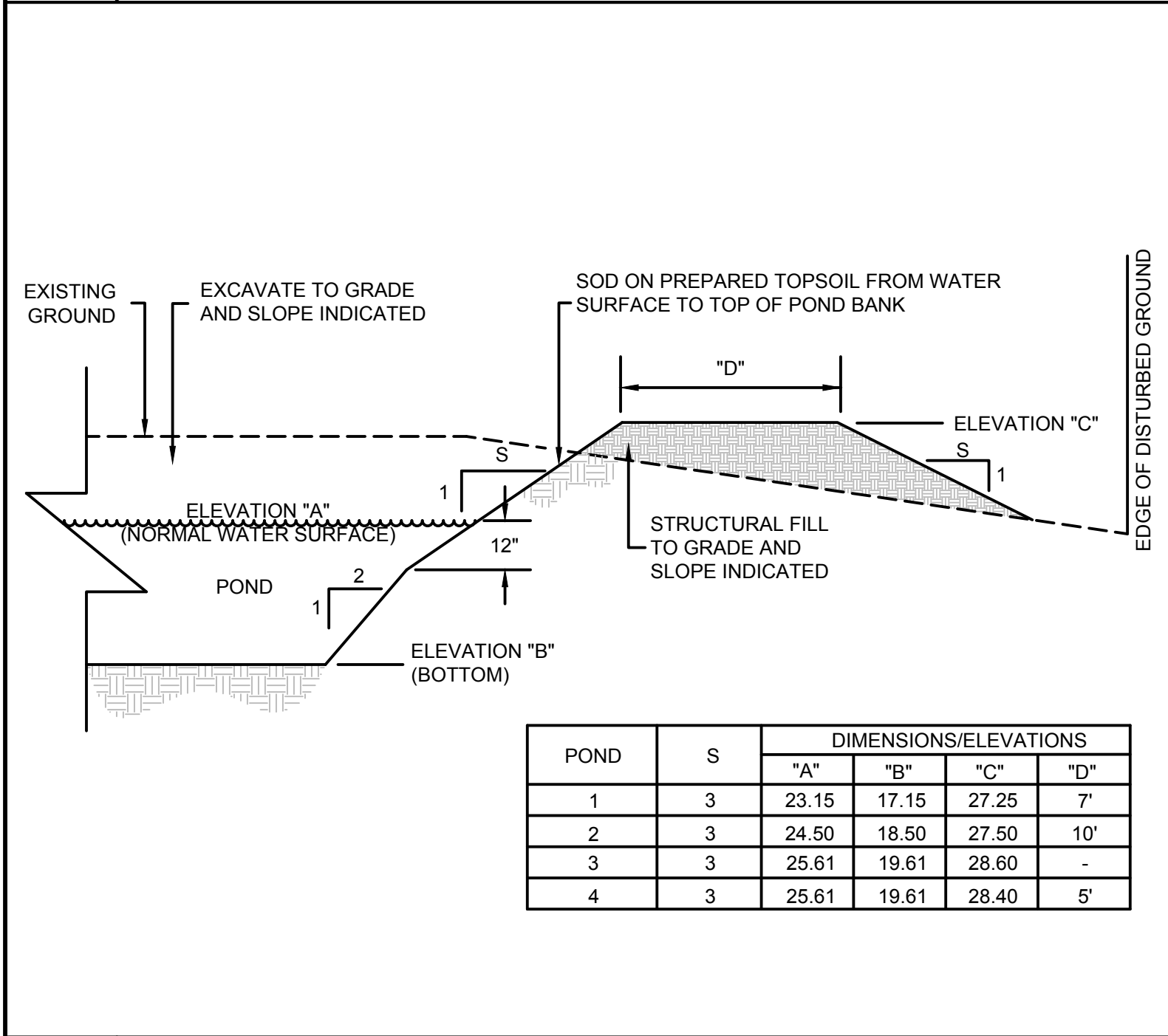
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501 WANDO PARK BOULEVARD, SUITE 200 | MOUNT PLEASANT, SC 29464 | 508 RHETT STREET, SUITE 101 | GREENVILLE, SC 29601

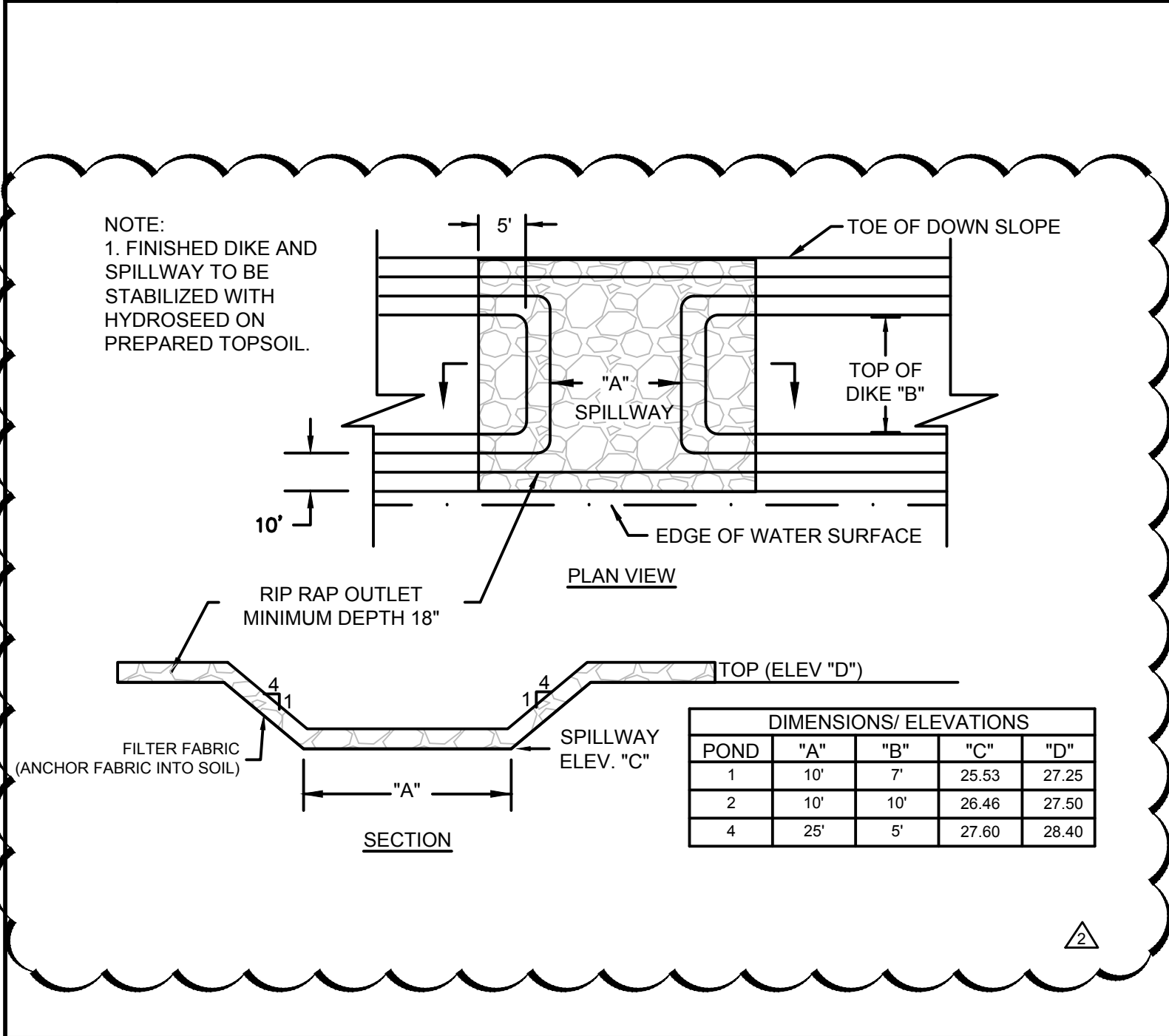
COPYRIGHT © SEAMON WHITESIDE & ASSOCIATES, INC.



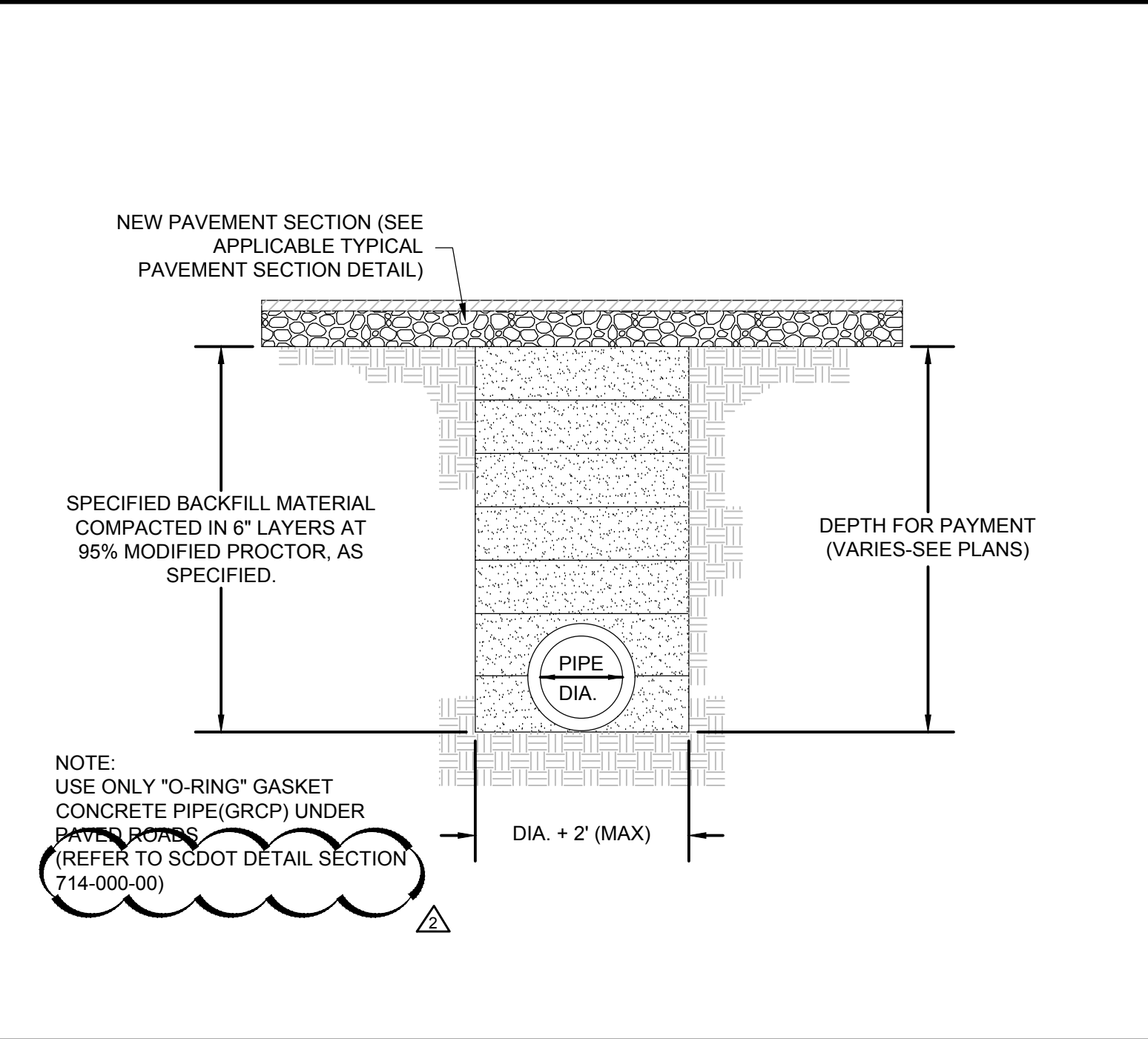
1 CURB INLET TOP SLAB  
(NOT TO SCALE)



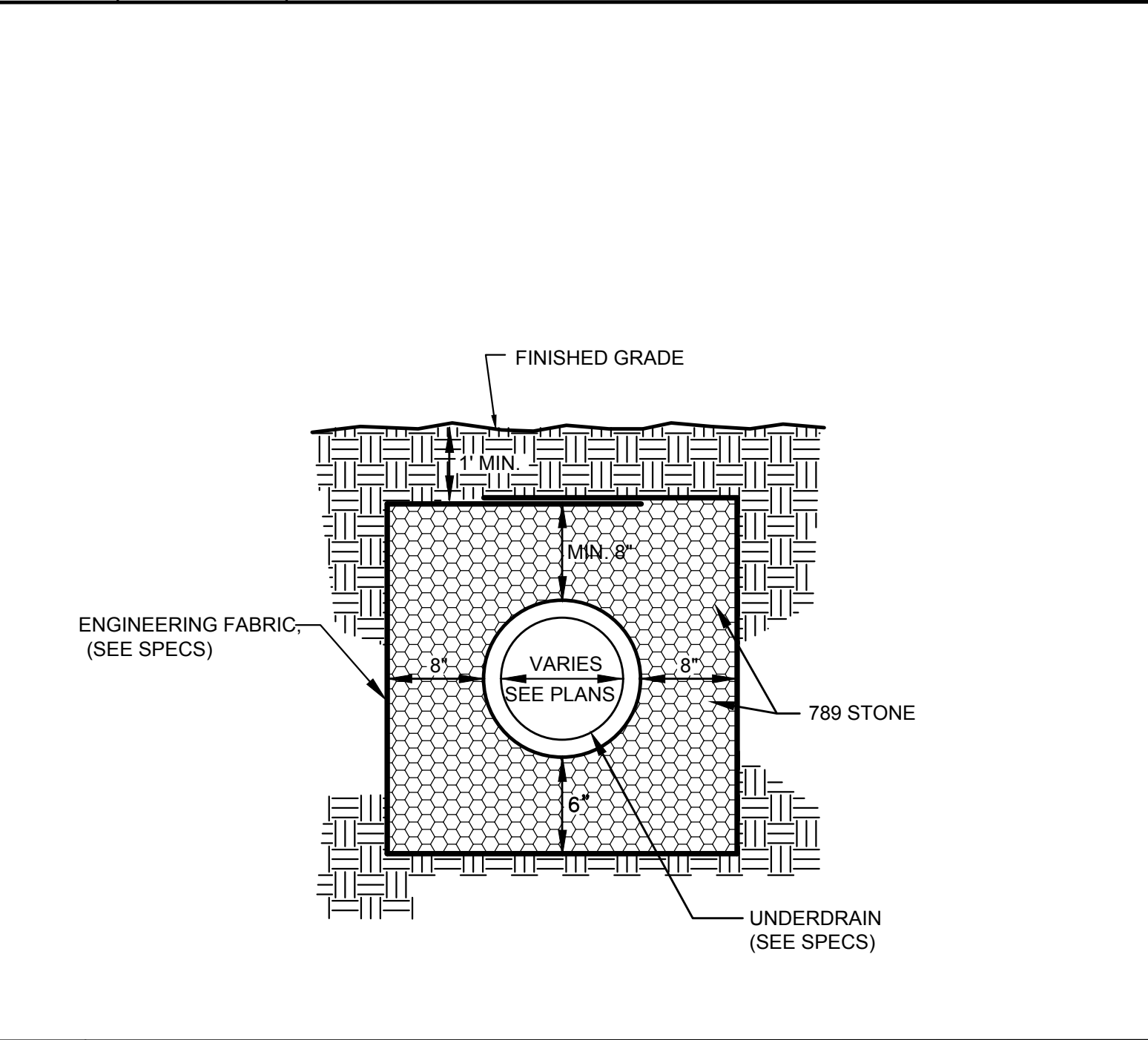
5 POND BANK WITH DIKE  
(NOT TO SCALE)



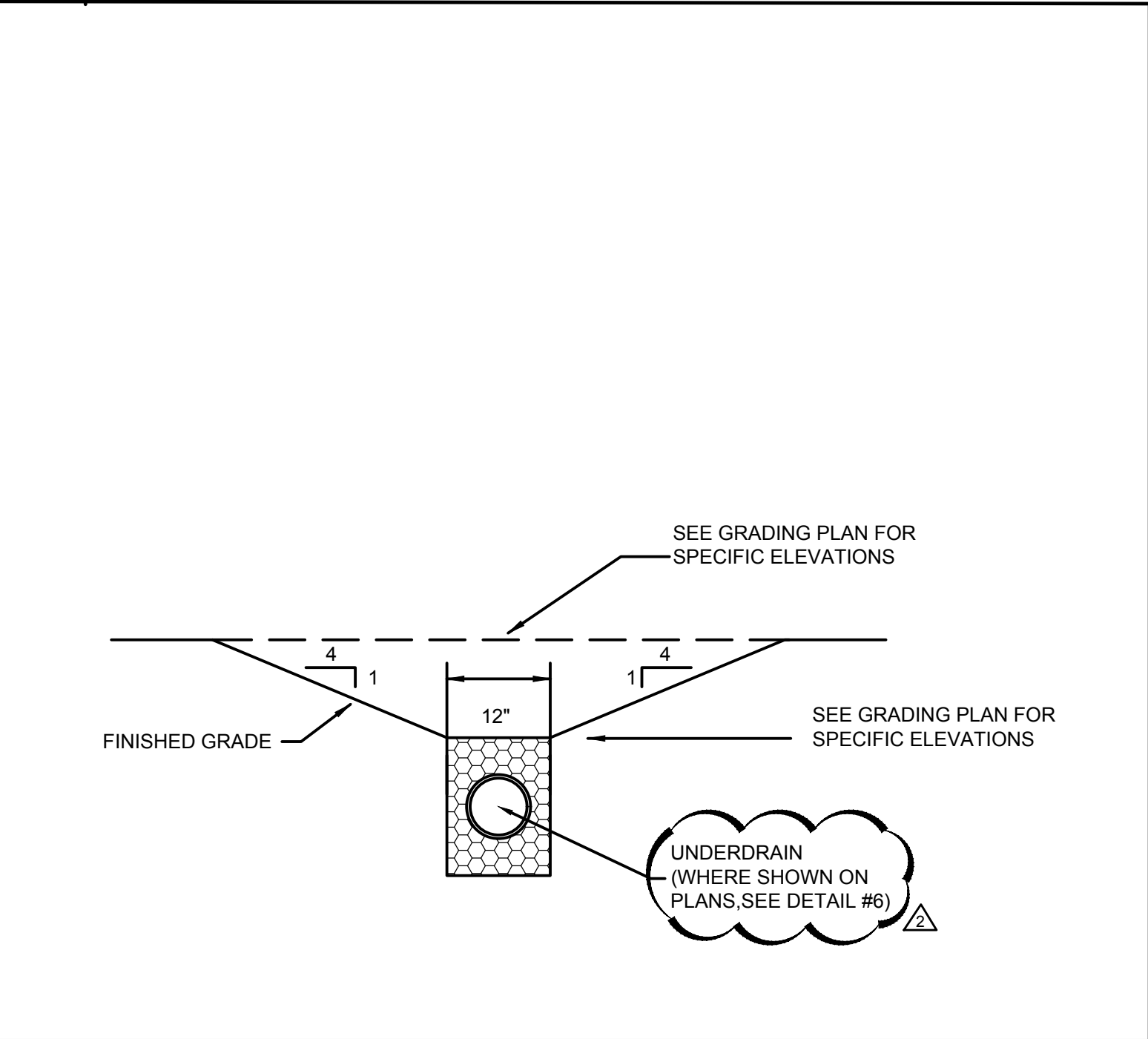
8 EMERGENCY SPILLWAY  
(NOT TO SCALE)



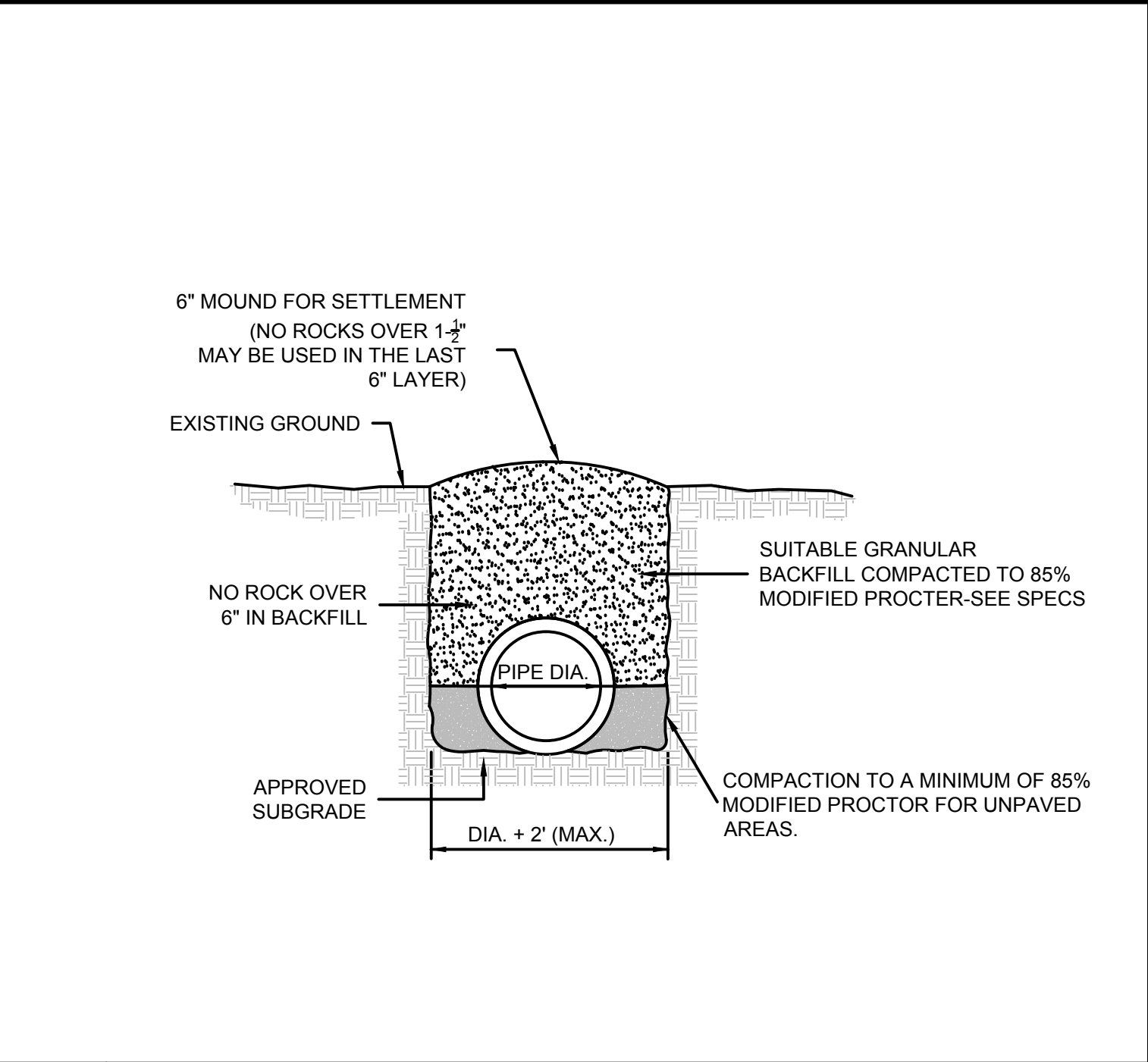
2 STORM DRAINAGE PIPE TRENCH (UNDER PAVED AREAS)  
(NOT TO SCALE)



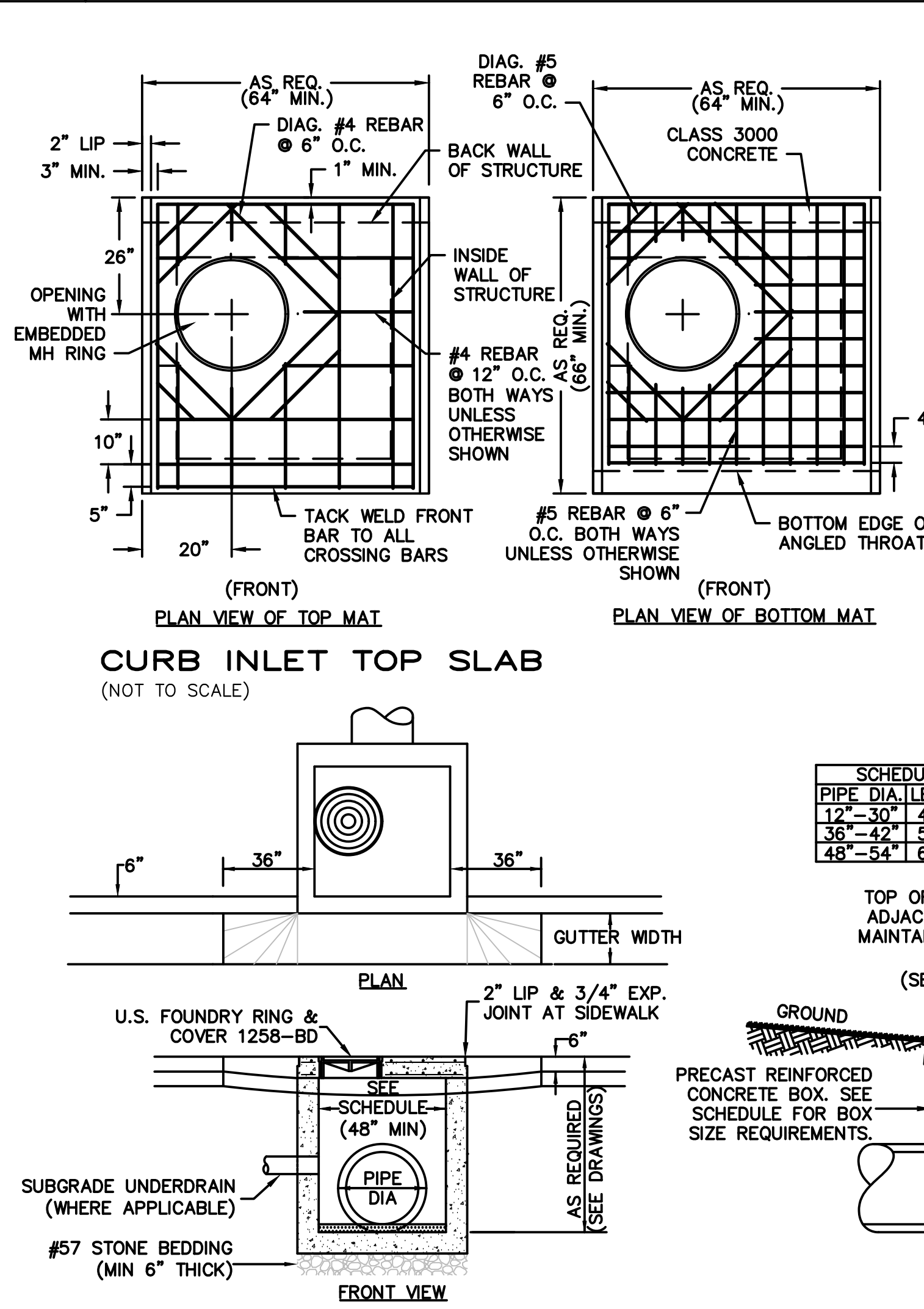
6 MULTI-PURPOSE FIELD AND SWALE UNDERDRAIN  
(NOT TO SCALE)



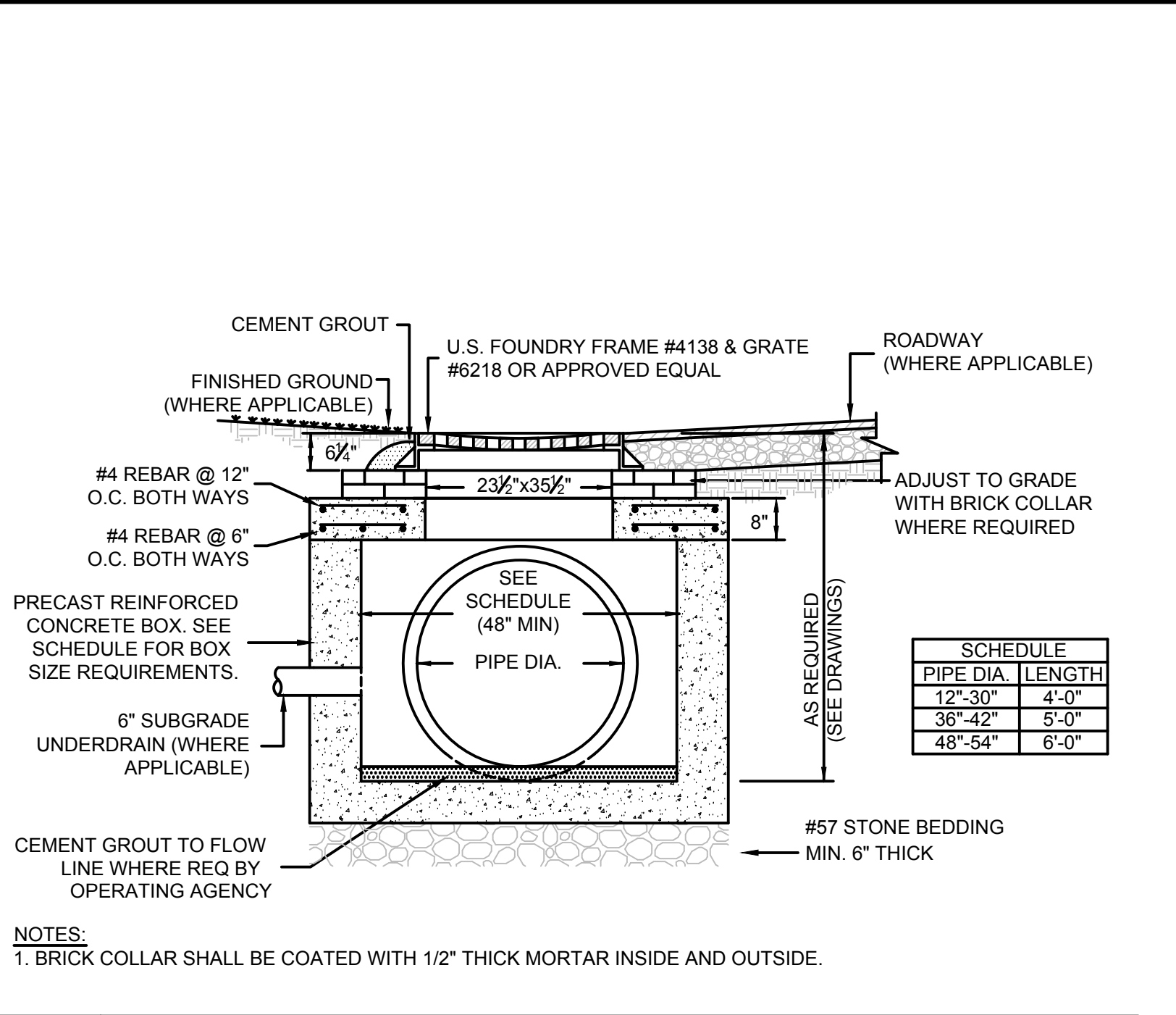
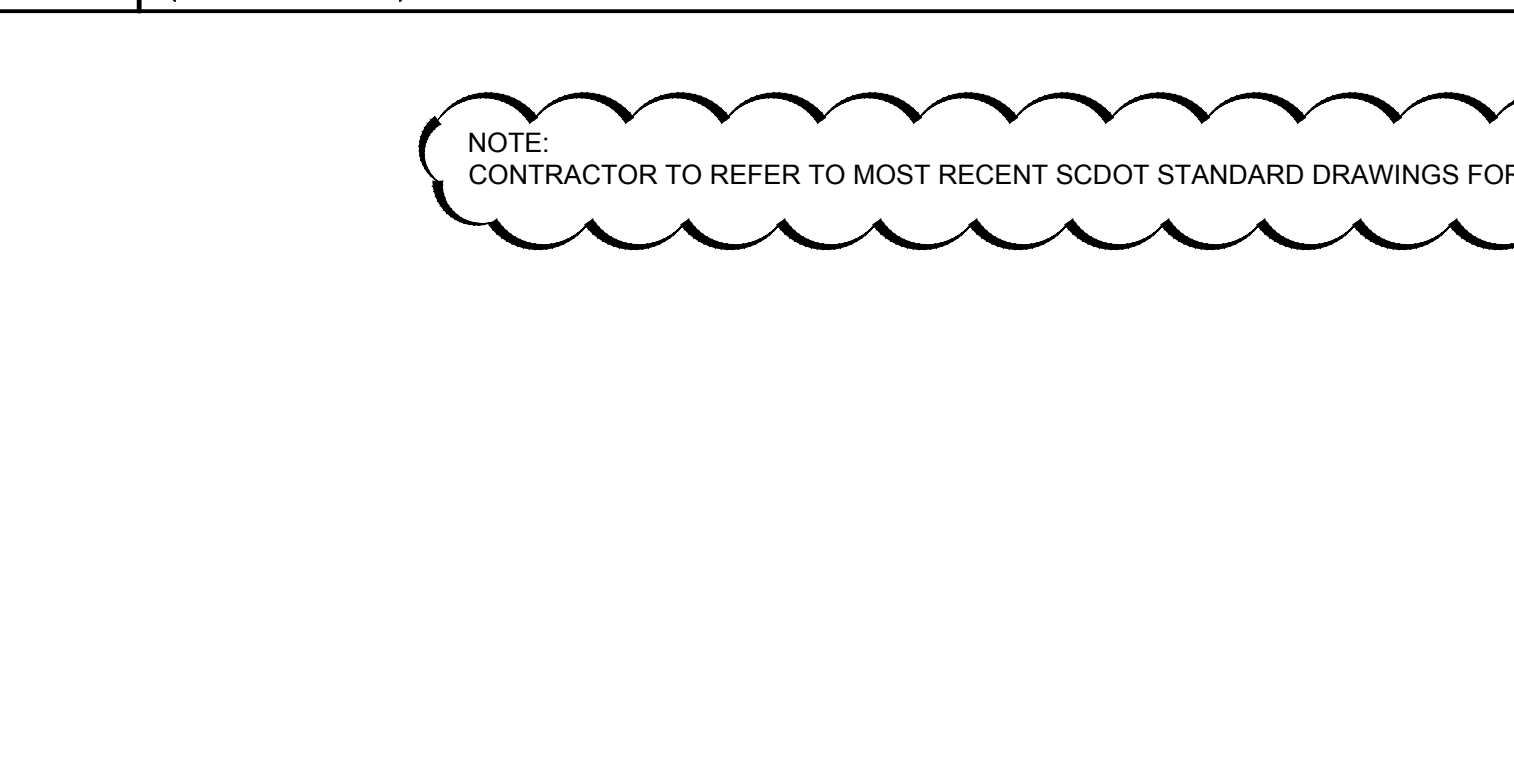
9 SWALE  
(NOT TO SCALE)



3 STORM DRAINAGE PIPE TRENCH  
(NOT TO SCALE) (NOT UNDER PAVED AREAS)

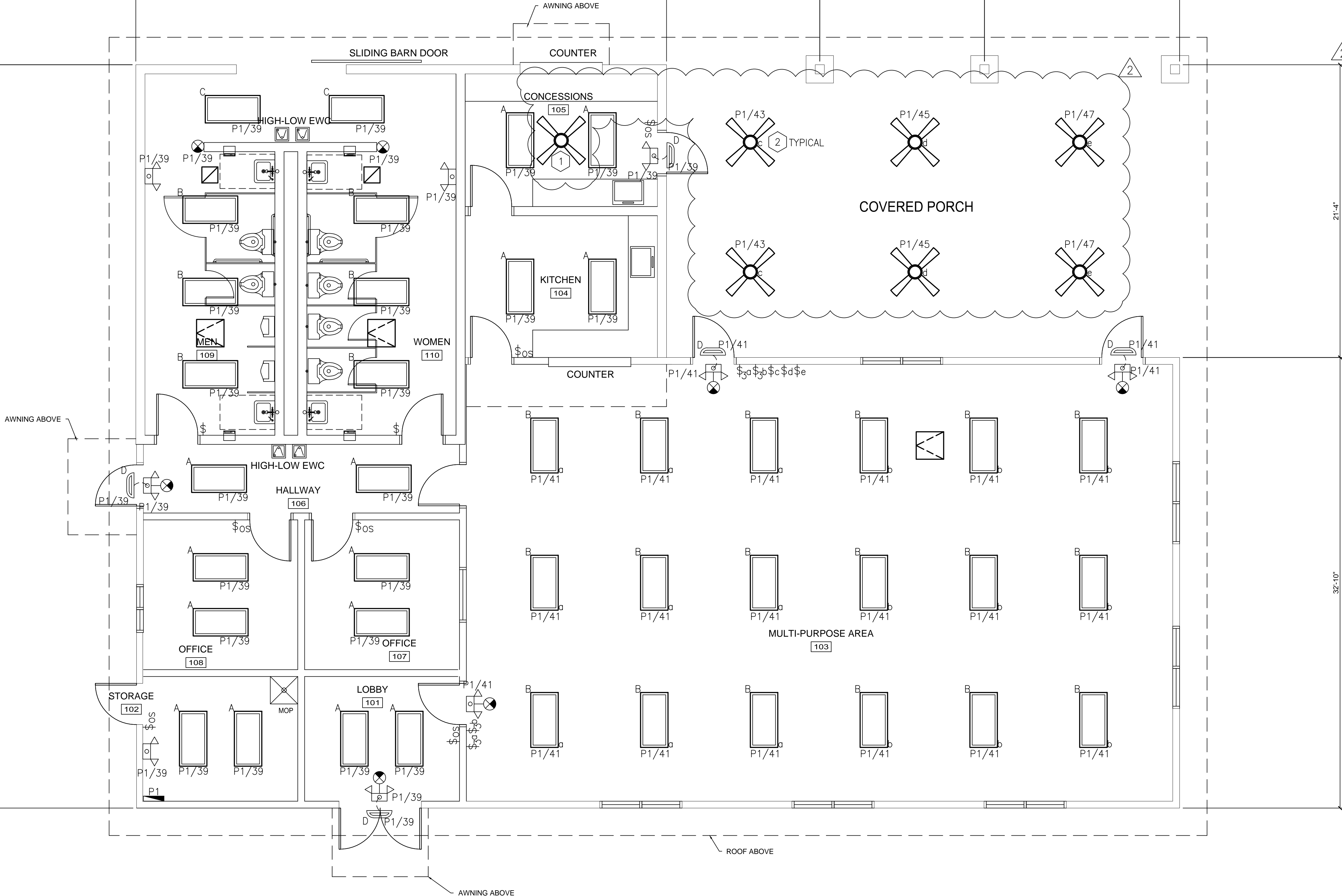


7 SCDOT TYPE 16 CURB INLET  
(NOT TO SCALE)



4 CATCH BASIN  
(NOT TO SCALE)





GENERAL NOTES:

1. REFER TO DRAWING E001 FOR ELECTRICAL GENERAL NOTES, LEGENDS, & ABBREVIATIONS.
2. REFER TO DRAWING E501 FOR ELECTRICAL LIGHTING SCHEDULE.

KEYED NOTES:

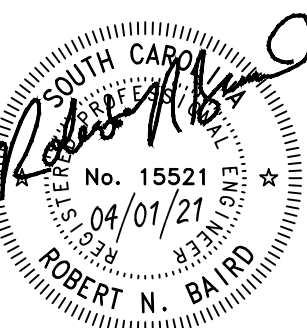
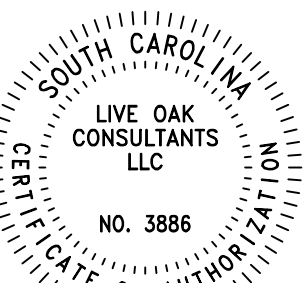
- 1 CONCESSION STAND CEILING FANS (INTERIOR) – BIG ASS FANS, 52" DIA. LOW PROFILE, (SO) FAN WITH LIGHT KIT, MOTOR FINISH: WHITE 259, AIRFOIL FINISH: WHITE 259P010.
- 2 COVERED PORCH (EXTERIOR) – BIG ASS FANS, 52" DIA. UNIVERSAL MOTOR (UO), MOTOR FINISH: OIL RUBBED BRONZE 471, AIRFOIL FINISH: OIL RUBBED BRONZE 471P010.



ARPUS DESIGN, LLC  
P.O. Box 986  
Summerville, South Carolina, 29484  
ph: 843.425.4124 | fax: 843.832.7331  
karpusdesign.com



New Recreation Building for:  
**HANAHAN CITY PARK**  
City of Hanahan  
Hanahan, South Carolina



## BID SET

Rev.	Date	Description
0	03.11.2021	BID SET
2	04.01.2021	FAN CLARIFICATION

DRAWN BY: D. GRANGER  
CHECKED BY: R. BAIRD  
PROJECT NUMBER: 19006  
DATE: 09.21.2020

HEET TITLE:

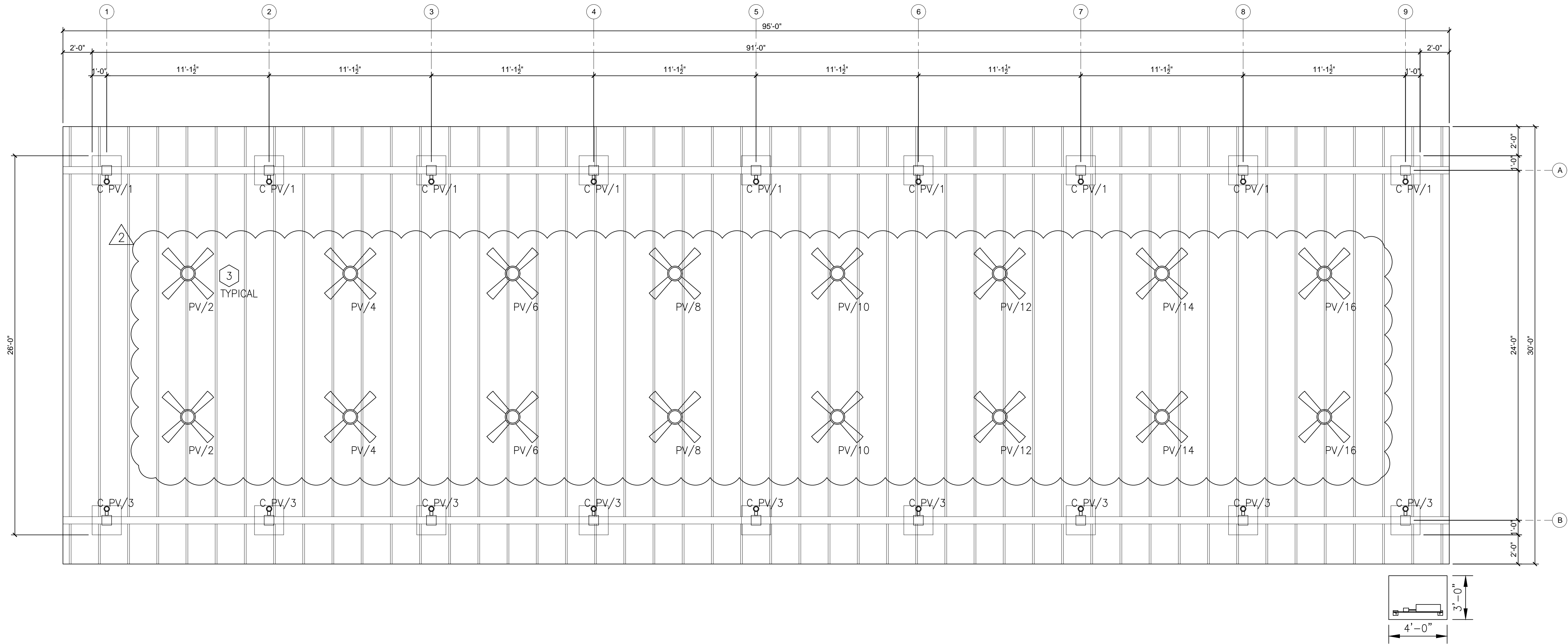
REC. CENTER BLDG.  
ELECTRICAL  
LIGHTING PLAN

EET NUMBER:

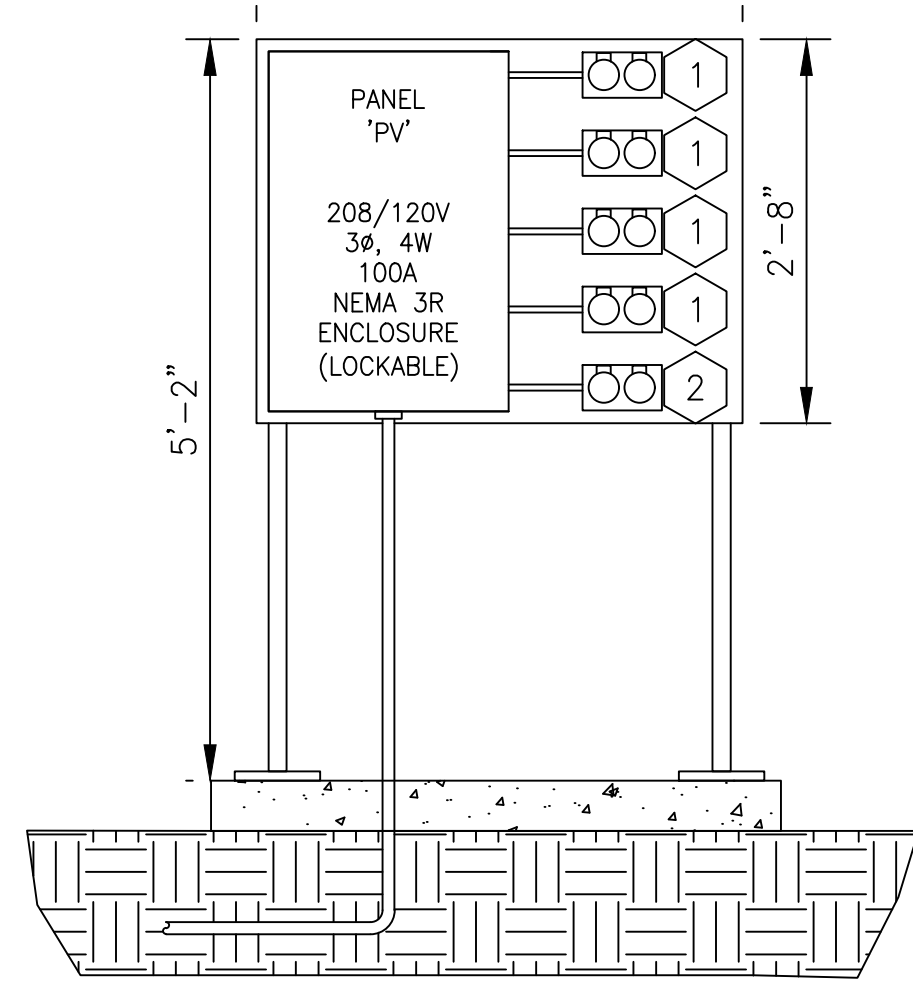
# E101



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E1 PAVILION ELECTRICAL PLAN  
SCALE: 1/4"=1'-0"



E1 PAVILION ELECTRICAL EQUIPMENT LAYOUT  
SCALE: 3/4"=1'-0"

### GENERAL NOTES:

1. REFER TO DRAWING E001 FOR ELECTRICAL GENERAL NOTES, LEGENDS, & ABBREVIATIONS.
2. REFER TO DRAWING E501 FOR ELECTRICAL LIGHTING SCHEDULE.
3. ALL SWITCHES ARE TO BE INSTALLED IN NEMA 3R WEATHERPROOF ENCLOSURE.

### KEYED NOTES:

- 1 SWITCHES FOR CEILING FAN POWER. TWO (2) FANS PER SWITCH.
- 2 SWITCHES FOR PAVILION LIGHTS.
- 3 PAVILION (EXTERIOR) – BIG ASS FANS, 52" DIA. UNIVERSAL MOUNT (UO), MOTOR FINISH: OIL RUBBED BRONZE 471, AIRFOIL FINISH: OIL RUBBED BRONZE 471P010.

K

KARPUS DESIGN, LLC

P.O. Box 986

Summerville, South Carolina 29484

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karpusdesign.com

LOC

Live Oak Consultants, LLC

Engineers, Project Managers & Planners

PO Box 60400

North Charleston, South Carolina 29419

www.LiveOakConsultants.com

Project #: 20200148

New Recreation Building for:  
**HANAHAN CITY PARK**  
City of Hanahan  
Hanahan, South Carolina

SOUTH CAROLINA

LIVE OAK CONSULTANTS, LLC

NO. 3886

CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA

Robert N. Baird

No. 15521

04/01/21

ROBERT N. BAIRD

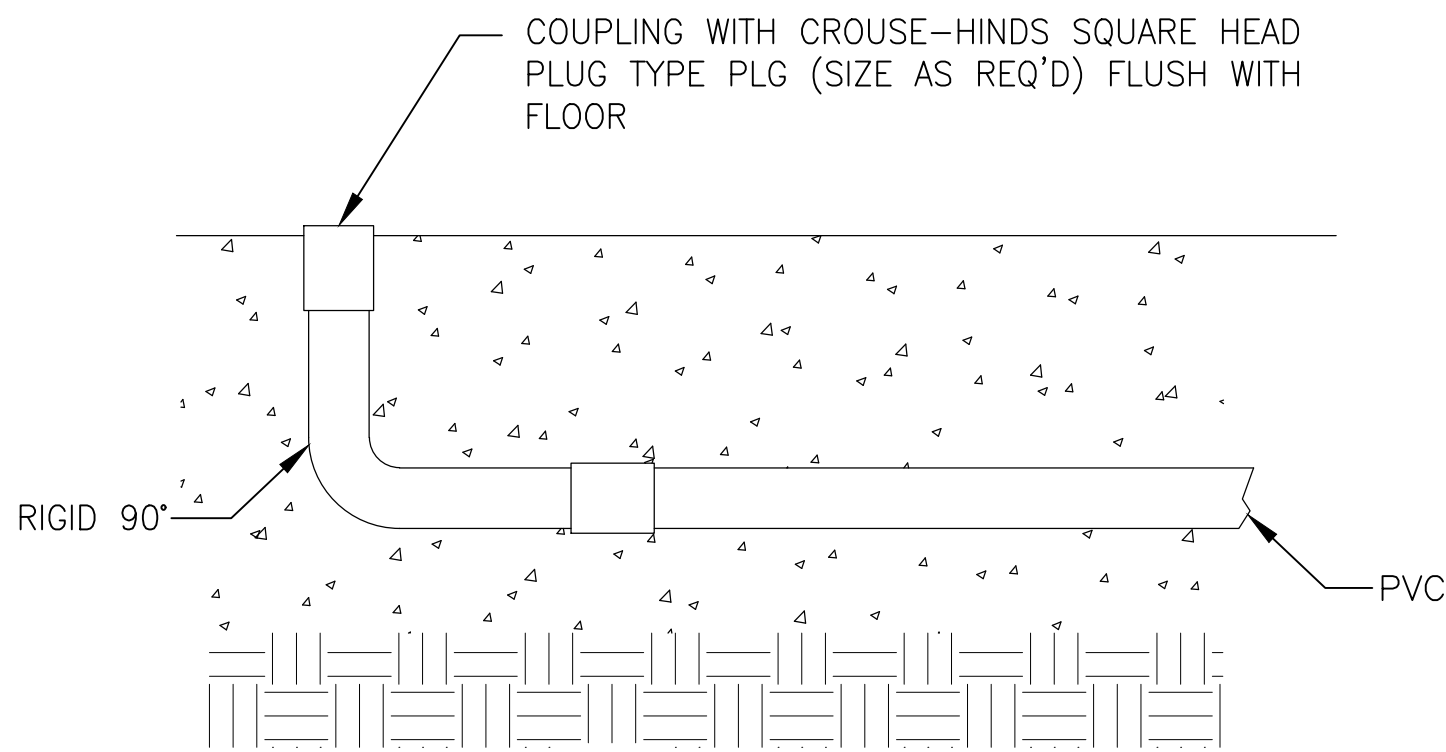
Rev.	Date	Description
0	03.11.2021	BID SET
2	04.01.2021	FAN CLARIFICATION

DRAWN BY: D. GRANGER  
CHECKED BY: R. BAIRD  
PROJECT NUMBER: 19006  
DATE: 10.XX.2020

SHEET TITLE:  
**PAVILION ELECTRICAL PLAN**  
SHEET NUMBER:  
**E104**



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TYPICAL CONDUIT CONNECTION

1  
E501

N.T.S.

NOTES:

TMGB - TELECOMMUNICATIONS MAIN GROUNDING BUS.

GB - INTERSYSTEM BONDING TERMINAL.

BC - BONDING CONDUCTOR.

MBJ - MAIN BONDING JUMPER

EGB - EQUIPMENT GROUNDING BUS

MS - MAIN SERVICE EQUIPMENT

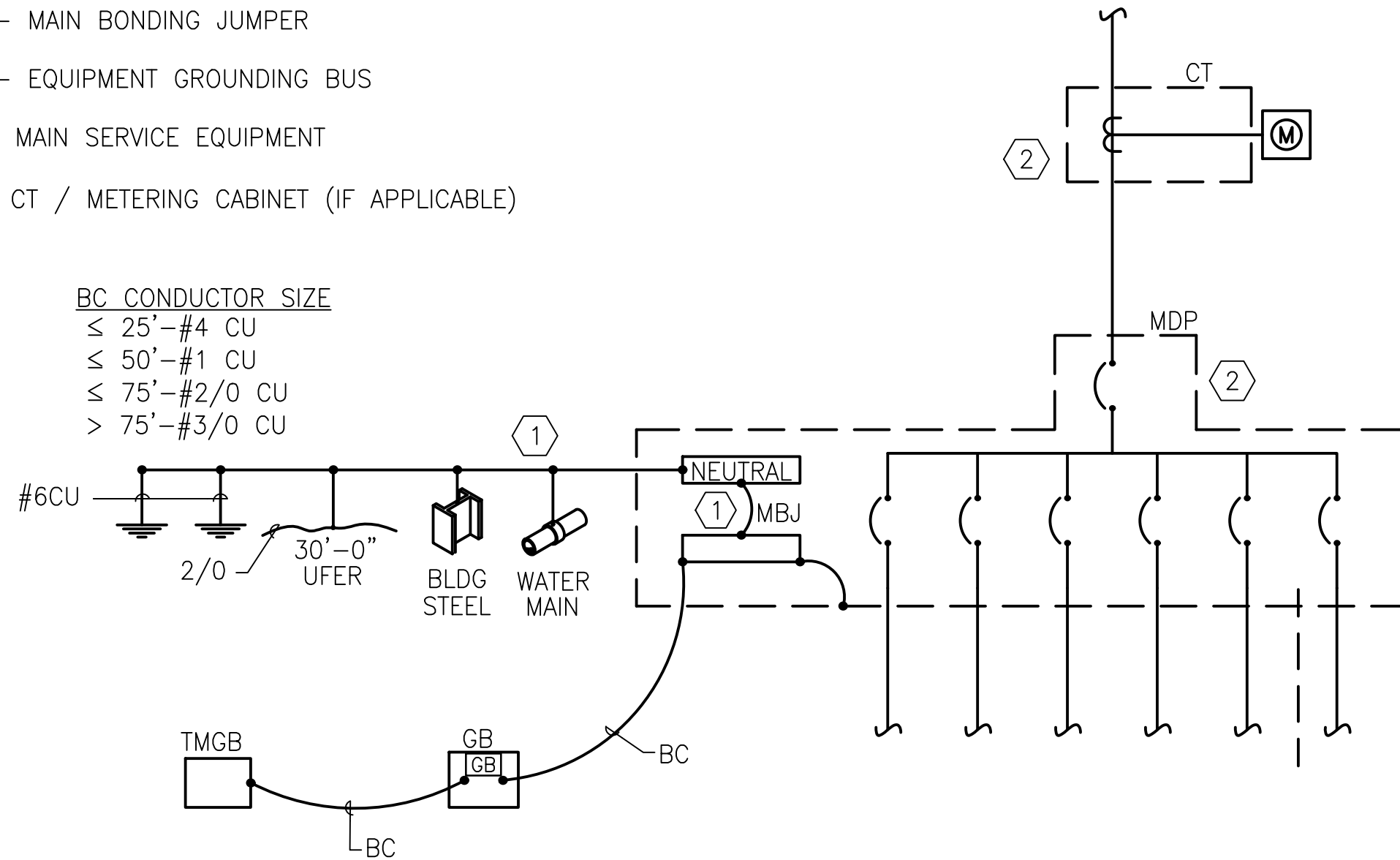
CT - CT / METERING CABINET (IF APPLICABLE)

NOTES:

1 SIZE PER NEC 250.66.

2 PROVIDE GROUNDING/BONDING SYSTEM CONNECTIONS TO MAIN ELECTRICAL SERVICE AT THE LOCATION OF THE THE MAIN SERVICE DISCONNECT.

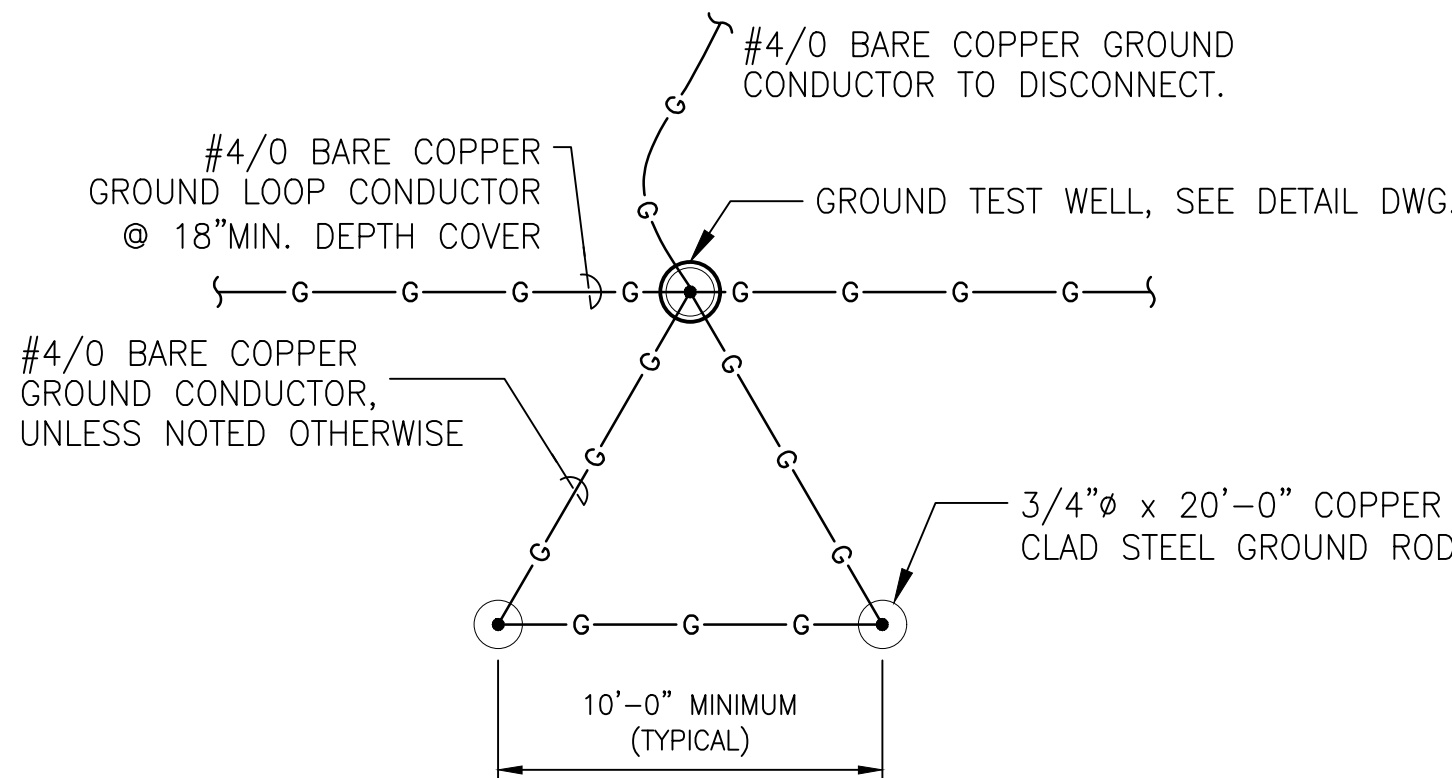
BC CONDUCTOR SIZE  
≤ 25' - #4 CU  
≤ 50' - #1 CU  
≤ 75' - #2/0 CU  
> 75' - #3/0 CU



TYPICAL ELECTRICAL SERVICE  
GROUNDING/BONDING

2  
E5-01

N.T.S.



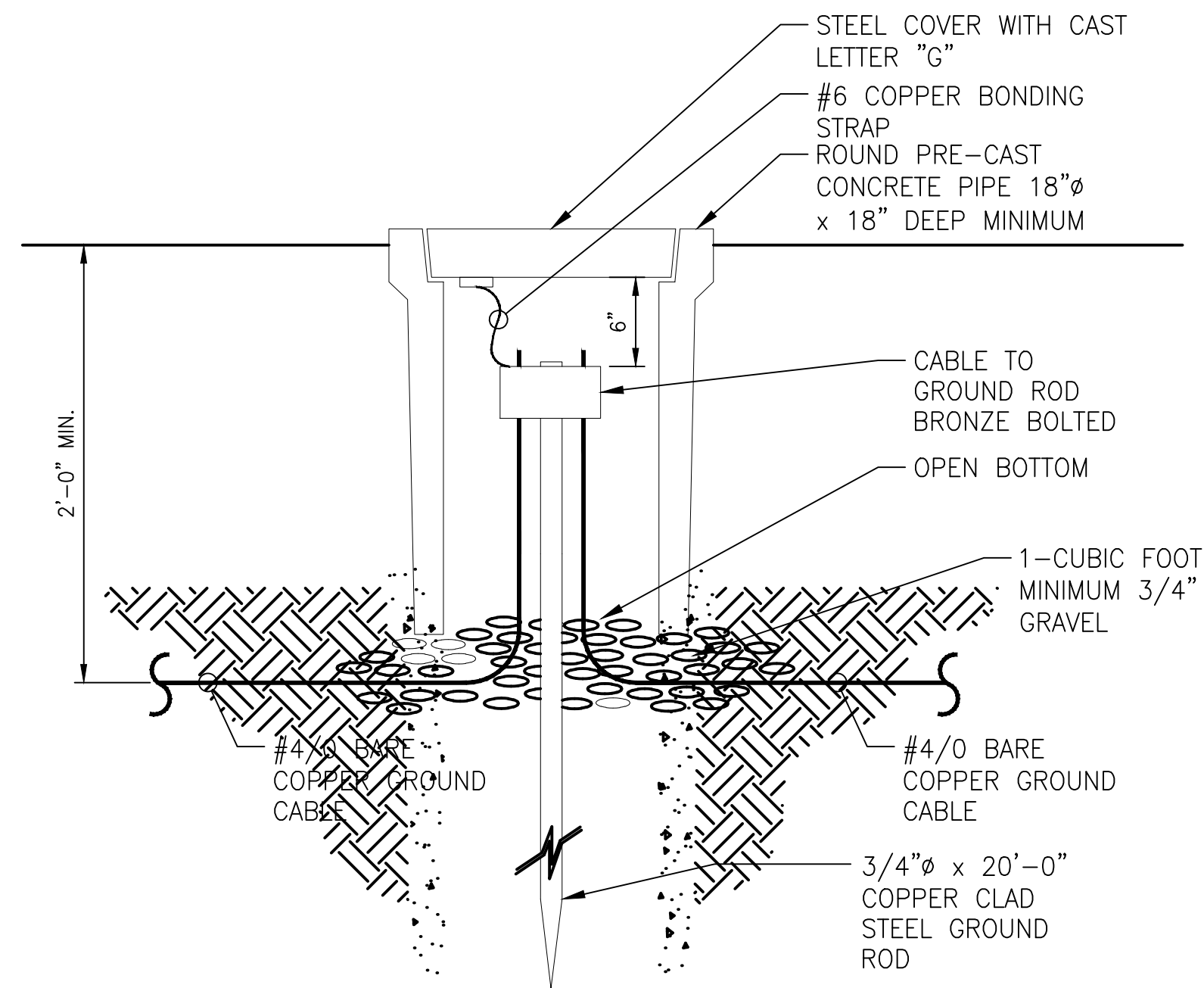
GROUNDING TRIAD

3  
E5-01

N.T.S.

LIGHTING FIXTURE SCHEDULE

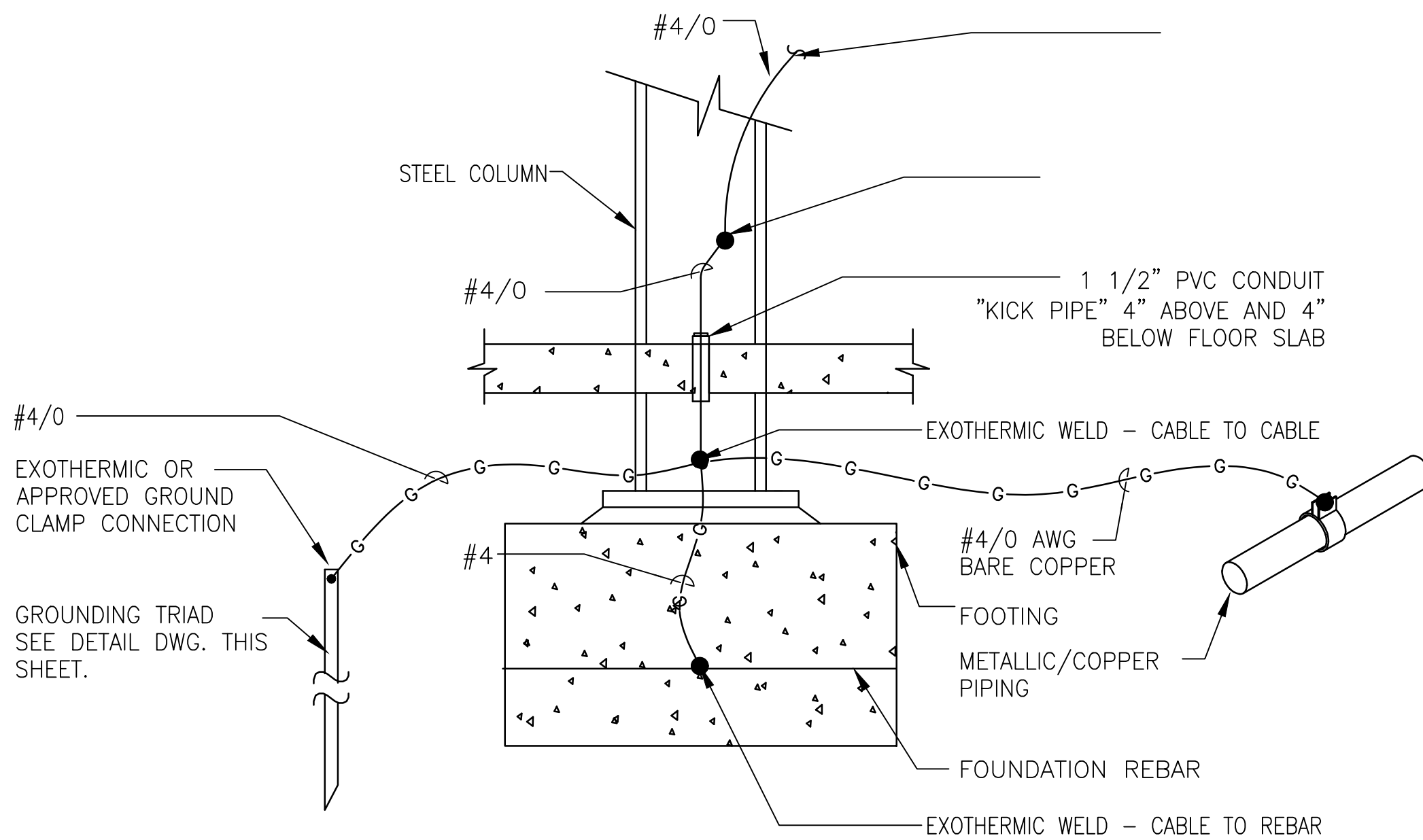
SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTAGE	LAMPS	FIXTURE WATTAGE	NOTES
A	RECESSED	LITHONIA LIGHTING	BLC 2X4 4000LM 80CRI 35K ADSN MIN10 ZT MVOLT	120V	LED	36W	2X4 TROFFER
B	SURFACE MOUNTED	LITHONIA LIGHTING	2BLTX4 40L ADP EZ1 LP840	120V	LED	34W	2X4 TROFFER
C	WALL MOUNT	CONTECH LIGHTING	CY3T 3 40K W X WF BZ RD	120V	LED	20W	UP/DOWN LIGHT
D	WALL MOUNT	DUAL LITE	PG 7	120V	LED	3W	CONNECTED TO BATTERY BACKUP
E	WALL OR CEILING MOUNT	LITHONIA LIGHTING	ECRG SQ M6	120V	LED	3.5W	GREEN LED EXIT/UNIT COMBO, SQUARE LAMP HEADS
E1	WALL MOUNT	LITHONIA LIGHTING	EU2C	120V	LED	3W	WITH BATTERY BACKUP, SQUARE LAMP HEADS



GROUNDING TEST WELL, TRAFFICE RATED

4  
E5-01

N.T.S.



TYPICAL GROUNDING CONNECTION  
AT BUILDING STEEL

5  
E5-01

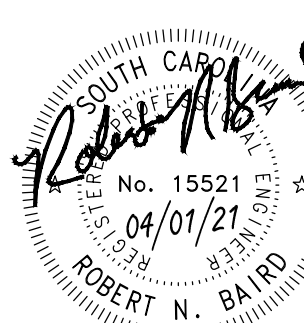
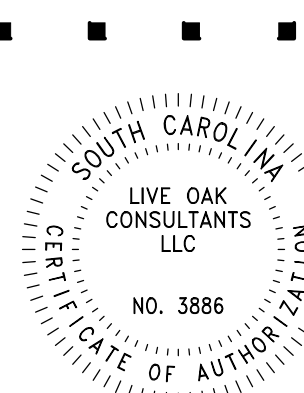
N.T.S.



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Engineers, Project Managers & Planners  
PO Box 60490  
New Orleans, LA 70116  
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Project #: 20200148



BID SET

Rev.	Date	Description
0	03.11.2021	BID SET
2	04.01.2021	LIGHTING CLARIFICATION

DRAWN BY: D. GRANGER  
CHECKED BY: R. BAIRD  
PROJECT NUMBER: 19006  
DATE: 09.21.2020

SHEET TITLE:

ELECTRICAL  
DETAILS, &  
SCHEDULES

SHEET NUMBER:

E501













SW+ PROJECT:	7867
DATE:	06/12/20
DRAWN BY:	BAE
CHECKED BY:	CPC
<b>REVISION HISTORY</b>	
A	6/12/20
B	11/20/20
C	01/22/21
0	03/11/21
2	04/01/21

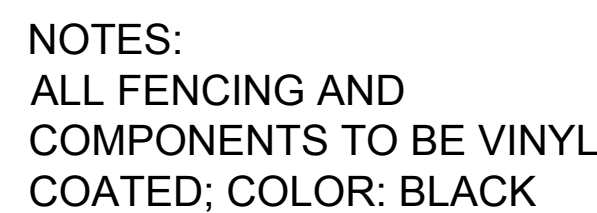
L1.0



1	CHAIN LINK FENCE
---	------------------



2	CHAIN LINK FENCE - 17' WIDE DOUBLE GATE
---	---



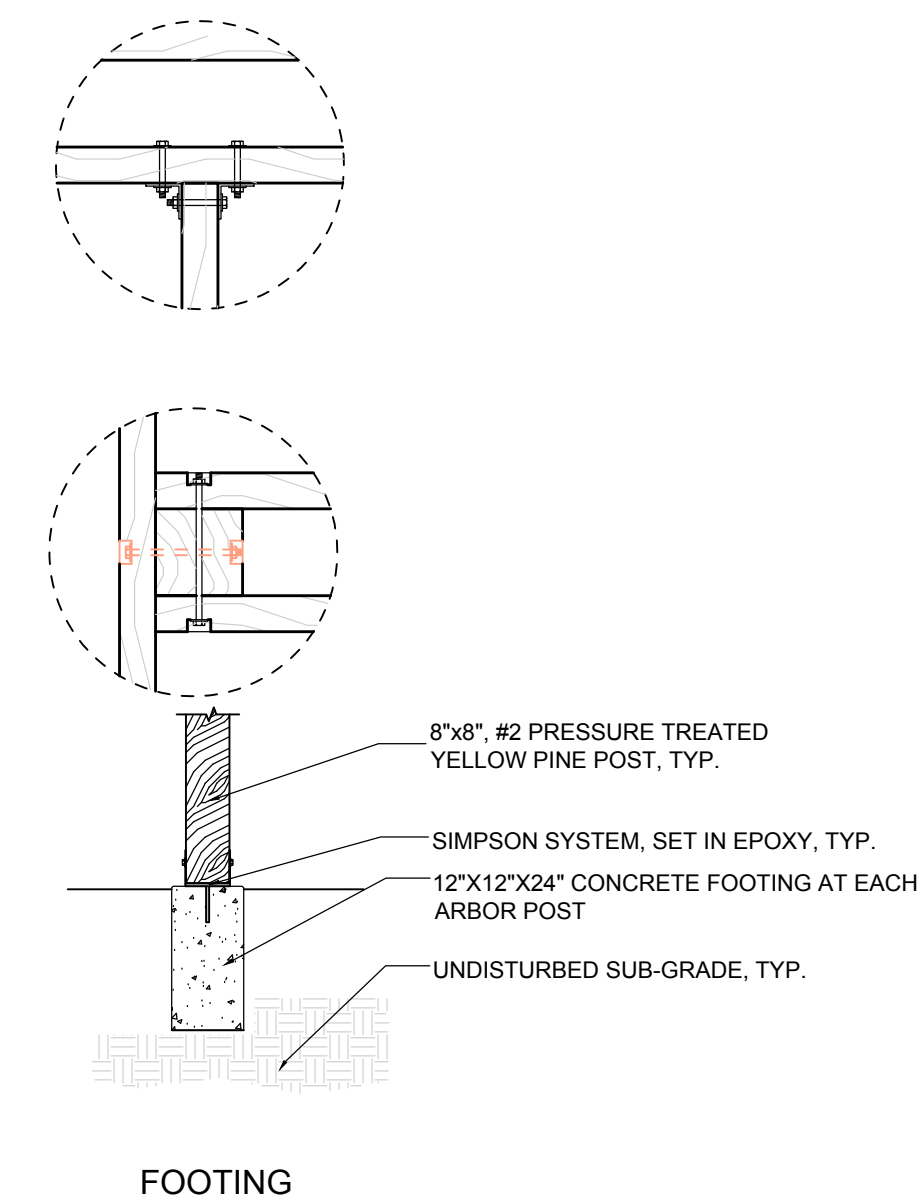
3	CHAIN LINK FENCE - 4' PEDESTRIAN GATE
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4	SWING ARBOR
---	-------------

NOTE:

1. REFER TO LEGEND FOR MATERIAL COLOR & FINISH.
2. ALL HARDWARE & FASTENERS TO BE STAINLESS STEEL.
3. NAILS TO BE GALVANIZED SPIRAL DECKING NAILS.
4. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL BY CLIENT & LANDSCAPE ARCHITECT.



3	CHAIN LINK FENCE - 4' PEDESTRIAN GATE
---	---------------------------------------



