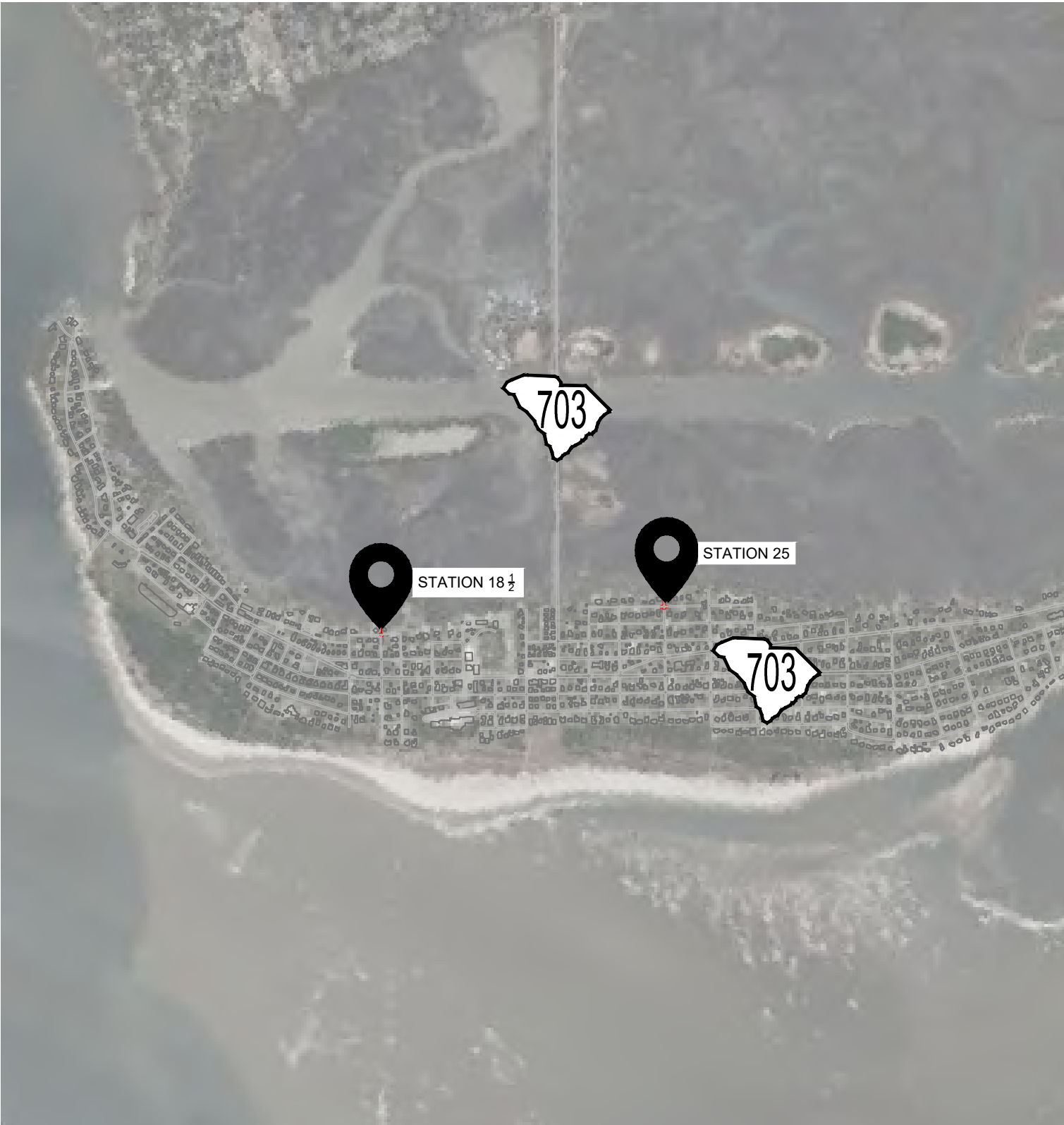


HMGP 4492 - PHASE 1 IMPROVEMENTS TOWN OF SULLIVAN'S ISLAND

SULLIVAN'S ISLAND, SC

SITE LOCATION MAP



PROJECT DESCRIPTION

THIS PROJECT IS LOCATED AT TWO LOCATIONS ON SULLIVAN'S ISLAND (STATION 18.5 AND STATION 25). THIS PROJECT IS PROPOSED TO IMPROVE STORM DRAINAGE WITH INSTALLATION OF STORM DRAINAGE INFRASTRUCTURE (CATCH BASINS, CHECK VALVES, PIPING, ETC.) AND EXCAVATION AND GRADING OF OUTFALL CHANNELS WITHIN THE MARSH AREA.

GENERAL NOTES

PROJECT SURVEY INFORMATION AND CONTRACTOR VERIFICATION REQUIREMENTS

- STATION 18.5 - BOUNDARY, TOPOGRAPHIC, TREE, WETLAND DELINEATION, AND OTHER EXISTING CONDITIONS SHOWN ARE FROM SURVEY PREPARED BY SEAMON, WHITESIDE & ASSOCIATES SURVEY COMPANY, DATED 9/18/2025. THE TOPOGRAPHIC AND ELEVATION DATA SHOWN HEREON WAS OBTAINED FROM SEAMON, WHITESIDE & ASSOCIATES SURVEY COMPANY AND IS NOT CERTIFIED AS CORRECT BY THIS ENGINEER.
- STATION 25 - BOUNDARY, TOPOGRAPHIC, TREE, WETLAND DELINEATION, AND OTHER EXISTING CONDITIONS SHOWN ARE FROM SURVEY PREPARED BY GPA SURVEYING COMPANY, DATED 06/04/2024. THE TOPOGRAPHIC AND ELEVATION DATA SHOWN HEREON WAS OBTAINED FROM GPA SURVEYING COMPANY AND IS NOT CERTIFIED AS CORRECT BY THIS ENGINEER.
- PER REFERENCE SURVEY, ALL ELEVATIONS ARE BASED ON NAVD88 VERTICAL DATUM. HORIZONTAL DATUM IS STATE PLANE (SC NAD 83). REFER TO SURVEY FOR BENCHMARK REFERENCE AND/OR LOCATION. CONTACT OWNER FOR ANY MISSING BOUNDARY PINS, MONUMENTS, OR VERTICAL DATUM BENCHMARKS NEEDED FOR ESTABLISHING CONSTRUCTION STAKING CONTROL.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL PERIMETER BOUNDARY PROPERTY CORNERS AND VERIFYING BOUNDARY DATA AGAINST CONSTRUCTION PLANS AND/OR ELECTRONIC FILE INFORMATION PROVIDED TO THE CONTRACTOR.
- PRIOR TO STARTING CONSTRUCTION, INCLUDING LAND DISTURBING ACTIVITIES, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO TOPOGRAPHIC, TREE, STORM DRAINAGE FACILITIES, AND ALL UTILITIES. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ENGINEER. THEREFORE, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT VERTICAL AND HORIZONTAL LOCATIONS OF ALL EXISTING UTILITIES. ANY DISCREPANCIES OR CONFLICTS IDENTIFIED DURING VERIFICATION OF EXISTING CONDITIONS AND UTILITIES SHALL BE REPORTED TO THE OWNER AND ENGINEER. ANY COSTS ASSOCIATED WITH CORRECTIVE WORK OR DAMAGES THAT ARE A RESULT OF THE CONTRACTOR NOT VERIFYING EXISTING CONDITIONS AND THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WILL BE THE CONTRACTOR'S RESPONSIBILITY.
- CONTRACTOR SHALL REFER TO THE MOST CURRENT EDITION OF THE SCDOT STANDARD DRAWINGS AND TECHNICAL SPECIFICATIONS.

UTILITY NOTES

- UTILITIES SHOWN IN PLANS ARE DATED 06/04/2024 AT STATION 25 AND 9/18/2025 AT STATION 18 1/2. CONTRACTOR TO CONFIRM WHERE, IF ANY, NEW UTILITIES WHERE PLACED IN DISTURBED AREAS.
- CONTRACTOR TO CONFIRM INVERT ELEVATIONS AND MATERIAL USED FOR UTILITIES.

SITE OVERVIEW



PROJECT CONTACTS

OWNER/MUNICIPALITY:
JOE HENDERSON
TOWN ADMINISTRATOR
2056 MIDDLE ST
TOWN OF SULLIVAN'S ISLAND, SC 29482
PHONE: 843-883-5731

UTILITY CONTACTS:
GREG GRESS
TOWN WATER/SEWER MANAGER
2051 GULL DR.
TOWN OF SULLIVAN'S ISLAND, SC 29482
PHONE: 843-883-5731

CIVIL ENGINEER & LANDSCAPE ARCHITECT:
SEAMON, WHITESIDE & ASSOCIATES, INC
501 WANDO PARK BLVD., SUITE 200
MOUNT PLEASANT, SC 29464
CONTACT: RYNE PHILLIPS
PHONE: (843) 884-1667

SURVEYOR:
GPA PROFESSIONAL LAND SURVEYORS
CONTACT: TAYLOR SPARKS
PHONE: 843-285-2424

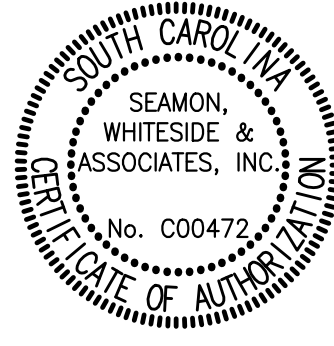
SHEET LIST

SHEET NUMBER	SHEET TITLE
C1.0	TITLE SHEET
C1.1	LEGEND & REVISION NOTES
C2.0	EXISTING CONDITIONS OVERALL
C2.1	EXISTING CONDITIONS - STATION 18.5
C2.2	EXISTING CONDITIONS - STATION 25
C3.0	DEMO AND SWPPP - STATION 18.5
C3.1	DEMO AND SWPPP - STATION 25
C3.2	SWPPP NOTES
C3.3	SWPPP DETAILS
C4.0	DRAINAGE AND GRADING PLANS - STATION 18.5
C4.1	DRAINAGE AND GRADING PLANS - STATION 25
C5.0	DETAILS I
C5.1	DETAILS II
C5.2	DETAILS - SCDOT I
C5.3	DETAILS - SCDOT II



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SUMMERVILLE, SC
843.972.0710
SPARTANBURG, SC
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980.312.5450
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HMGP 4492 - PHASE 1 IMPROVEMENTS
TOWN OF SULLIVAN'S ISLAND
SULLIVAN'S ISLAND, SC

PERMIT SET
(NOT FOR CONSTRUCTION)

SW+ PROJECT: 12650
DATE: 01/27/2026
DRAWN BY: KBH
CHECKED BY: RCP/AA

REVISION HISTORY

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TITLE SHEET

C1.0

501 WANDO PARK BOULEVARD, SUITE 200, MOUNT PLEASANT, SC 29464 | JUDSONVILLE BUILDING 600, 701 EASLEY DRIVE, SUITE 600, GREENVILLE, SC 29611 | 1201 PETERSON DR., CHARLOTTE, NC 28017 | 171 N. CEDAR STREET, SUMMERVILLE, SC 29583 | 150 N. DANIEL MORGAN AVENUE, SUITE 300, SPARTANBURG, SC 29306 | 223 S. WEST ST. #600, RALEIGH, NC 27603

DRAWING LEGEND

LINES	EXISTING	NEW	SYMBOLS	EXISTING	NEW	SYMBOLS	EXISTING	NEW	ABBREVIATIONS	EXISTING	NEW
PROPERTY BOUNDARY		N/A	BENCHMARK		N/A	POWER POLE			ACCESS EASEMENT	EX. A.E.	A.E.
RIGHT OF WAY			PROPERTY CORNER		N/A	LIGHT POLE			AUTHORITY HAVING JURISDICTION	EX. AHJ	AHJ
LOT LINE	N/A		SEWER MANHOLE			ELECTRIC BOX		N/A	CORRUGATED METAL PIPE	EX. CMP	CMP
ADJOINING PROPERTY LINE	N/A	N/A	SEWER PUMP STATION			ELECTRIC MANHOLE		N/A	DRAINAGE EASEMENT	EX. S.D.E.	S.D.E.
CENTERLINE			SEWER GREASE TRAP	N/A		CABLE PEDESTAL		N/A	DUCTILE IRON PIPE	EX. DIP	DIP
SETBACK			SEWER CLEANOUT			TELEPHONE PEDESTAL		N/A	GASKETED REINFORCED CONCRETE PIPE	EX. GRCP	GRCP
BUFFER			SEWER OIL & WATER SEPARATOR	N/A		GAS VALVE		N/A	GENERAL UTILITY EASEMENT	EX. G.U.E.	G.U.E.
STREAM BUFFER		N/A	SEWER SERVICE CONNECTION	N/A		TREE			HIGH-DENSITY POLYETHYLENE PIPE	EX. HDPE	HDPE
STREAM CENTERLINE		N/A	STORM TYPE 1			ADA PARKING			HOME OWNER'S ASSOCIATION	EX. HOA	HOA
WETLAND BUFFER		N/A	STORM TYPE 9			SIGN			IN ACCORDANCE WITH	EX. IAW	IAW
FLOOD LINE		N/A	STORM TYPE 16			WHEELSTOP	N/A		INGRESS/EGRESS EASEMENT	EX. I/E E.	I/E E.
EASEMENT			STORM TYPE 17 LEFT			TRASH CAN	N/A		POLYVINYL CHLORIDE PIPE	EX. PVC	PVC
CURB & GUTTER (STRAIGHT)			STORM TYPE 17 RIGHT			BOLLARD	N/A		POND MAINTENANCE EASEMENT	EX. P.M.E.	P.M.E.
CURB & GUTTER (ROLL)			STORM TYPE 18			REVISION ID	N/A		PROPERTY OWNER'S ASSOCIATION	EX. POA	POA
FENCE			STORM CATCH BASIN			SWPPP SYMBOLS			REINFORCED CONCRETE PIPE	EX. RCP	RCP
GUARDRAIL			STORM ISOLATION BOX			PORTABLE TOILET			SEWER EASEMENT	EX. S.E.	S.E.
TREELINE		N/A	STORM JUNCTION BOX			CONCRETE WASHOUT			WATER EASEMENT	EX. W.E.	HOA
PHASE LINE	N/A		STORM MANHOLE			CONSTRUCTION ENTRANCE			WATER SURFACE ELEVATION	EX. W.S.E.	W.S.E.
SEWER (GRAVITY)			STORM OUTLET CONTROL STRUCTURE			CONSTRUCTION ENTRANCE WITH TIRE WASH			HATCHES		
SEWER (FORCE MAIN)			STORM YARD INLET (ROUND/RECTANGULAR)			CHECK DAM			STANDARD DUTY ASPHALT		
SEWER SERVICE	N/A		STORM FLARED END SECTION	N/A		SEDIMENT TUBE			HEAVY DUTY ASPHALT		
WATER LINE			STORM BEEHIVE GRATE	N/A		WATER METER			DOT ASPHALT		
FIRE LINE	N/A		WATER METER RESIDENTIAL (SINGLE, DOUBLE)			WATER DETECTOR CHECK			MILL & RESURFACE (SCDOT)		
WATER SERVICE	N/A		WATER IRRIGATION METER	N/A		WATER YARD HYDRANT			STANDARD DUTY CONCRETE (ADA PARKING SPACES)		
CONDUIT			WATER YARD HYDRANT	N/A		WATER BACKFLOW PREVENTER			HEAVY DUTY CONCRETE		
NATURAL GAS			WATER TEE	N/A		WATER BENDS (11.25°, 22.5°, 45°, 90°)			CONCRETE SIDEWALK		
OVERHEAD ELECTRICAL			WATER CROSS	N/A		WATER TEE			CONCRETE SIDEWALK (RESIDENTIAL)		
UNDERGROUND ELECTRICAL			WATER CAP	N/A		WATER BUTTERFLY VALVE			DETECTABLE WARNING		
TELEPHONE			WATER BLOW OFF	N/A		WATER CHECK VALVE			GRAVEL		
UNDERGROUND CABLE			WATER BUTTERFLY VALVE	N/A		WATER GATE VALVE			RIVER ROCK		
UNDERGROUND FIBER OPTIC			WATER CHECK VALVE	N/A		WATER POST INDICATOR			AGGREGATE		
PREVIOUS PHASE STORM PIPE		N/A	WATER GATE VALVE	N/A		WATER TAPPING SLEEVE AND VALVE			FRESHWATER WETLAND		
STORM PIPE			WATER TAPPING SLEEVE AND VALVE	N/A		WATER REDUCER			FRESHWATER WETLAND BUFFER		
ROOF DRAIN			WATER REDUCER	N/A		WATER FIRE HYDRANT			SALTWATER MARSH		
SUBSURFACE DRAINAGE			WATER FIRE HYDRANT	N/A		WATER FDC REMOTE			SALTWATER MARSH BUFFER		
DRAINAGE BASIN LIMITS	N/A		WATER FDC REMOTE	N/A		WATER FDC ON BUILDING			SITE CLEARING AREA		
DRAINAGE FLOW ARROW	N/A		WATER FDC ON BUILDING	N/A		WATER FDC ON BUILDING			AREA PREVIOUSLY CLEARED INCLUDED IN LIMITS OF DISTURBANCE		
GENERAL FLOW ARROW	N/A		WATER FDC ON BUILDING	N/A		WATER FDC ON BUILDING			EROSION CONTROL MATTING		
ELEVATION CONTOUR			WATER FDC ON BUILDING	N/A		WATER FDC ON BUILDING			AREA TO BE PERMANENTLY STABILIZED		
SILT FENCE			WATER FDC ON BUILDING	N/A		WATER FDC ON BUILDING					
SILT FENCE & TREE PROTECTION	N/A		WATER FDC ON BUILDING	N/A		WATER FDC ON BUILDING					
REINFORCED SILT FENCE			WATER FDC ON BUILDING	N/A		WATER FDC ON BUILDING					
REINFORCED SILT FENCE & TREE PROTECTION	N/A		WATER FDC ON BUILDING	N/A		WATER FDC ON BUILDING					
TREE PROTECTION	N/A		WATER FDC ON BUILDING	N/A		WATER FDC ON BUILDING					
NON TRENCH TREE PROTECTION	N/A		WATER FDC ON BUILDING	N/A		WATER FDC ON BUILDING					
POROUS BAFFLE	N/A		WATER FDC ON BUILDING	N/A		WATER FDC ON BUILDING					
SEDIMENT TUBE	N/A		WATER FDC ON BUILDING	N/A		WATER FDC ON BUILDING					
TURBIDITY BARRIER	N/A		WATER FDC ON BUILDING	N/A		WATER FDC ON BUILDING					
WALL	N/A		WATER FDC ON BUILDING	N/A		WATER FDC ON BUILDING					
REVISION CLOUD (ENCLOSURES REVISION)	N/A		WATER FDC ON BUILDING	N/A		WATER FDC ON BUILDING					



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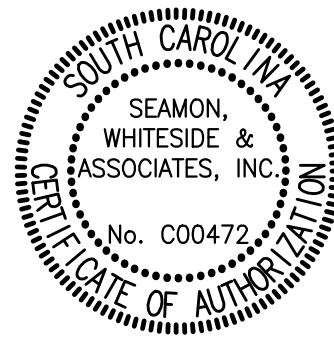
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HMGP 4492 - PHASE 1 IMPROVEMENTS

TOWN OF SULLIVAN'S ISLAND

SULLIVAN'S ISLAND, SC

PERMIT SET
(NOT FOR CONSTRUCTION)

SW+ PROJECT: 12650

DATE: 01/27/2026

DRAWN BY: KBH

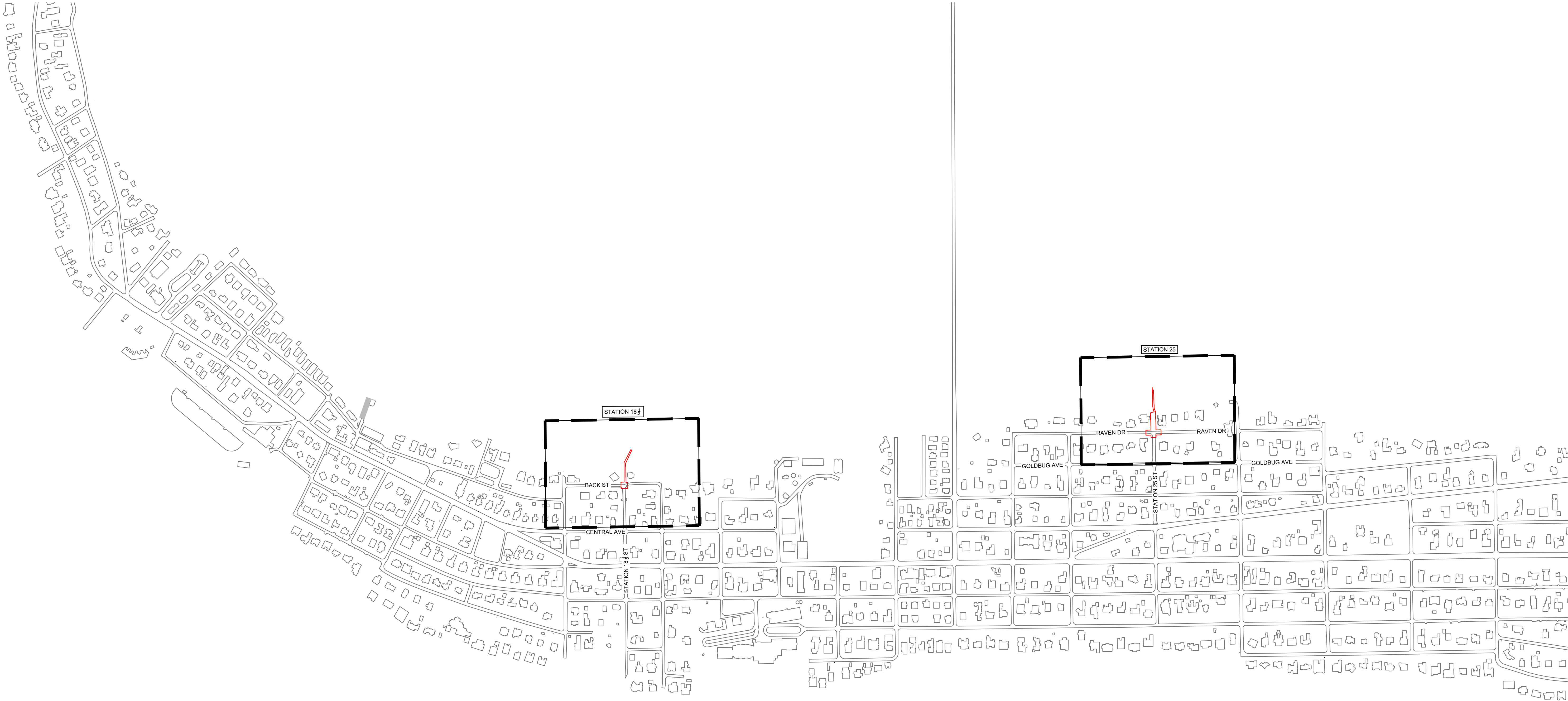
CHECKED BY: RCP/AA

REVISION HISTORY

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LEGEND & REVISION NOTES

501 WANDO PARK BOULEVARD, SUITE 200, MOUNT PLEASANT, SC 29464 | JUDSON HILL BUILDING 600A, 701 EASLEY BRIDGE DR., SUITE 600A, GREENVILLE, SC 29617 | 1201 PETERSON DR., CHARLOTTE, NC 28217 | 1711 N. CEDAR STREET, SUMMERVILLE, SC 29585 | 154 N. DANIEL MORGAN AVENUE, SUITE 300, SPARTANBURG, SC 29306 | 223 S. WEST ST. #600, RALEIGH, NC 27603
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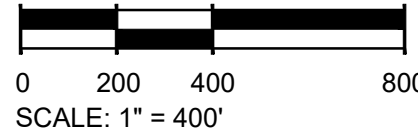
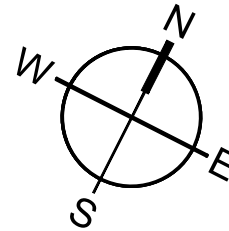


EXISTING CONDITIONS / DEMOLITION NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL ITEMS TO BE DEMOLISHED AND REMOVED FROM THE PROJECT SITE. THE VERIFICATION PROCESS SHALL INCLUDE VISITING AND WALKING THE SITE. ALL ITEMS REQUIRING DEMOLITION/REMOVAL, WHETHER SHOWN ON THIS PLAN OR NOT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL VERIFY THE EXISTING TOPOGRAPHY AND EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING WORK. SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES ON THE DRAWING PRIOR TO BEGINNING WORK OR DURING CONSTRUCTION, THEY SHALL NOTIFY THE ENGINEER IMMEDIATELY.
3. THERE SHALL BE NO BURNING ON THE SITE.
4. ALL EXISTING STRUCTURES (IF ENCOUNTERED) AND RELATED FOOTINGS, FOUNDATIONS, STEPS, ETC. ARE TO BE REMOVED FROM THE SITE AND DISPOSED OF ACCORDING TO APPLICABLE CODES.
5. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REMOVAL AND/OR RELOCATION OF ALL UTILITIES (ABOVE AND BELOW GROUND LEVEL) AS NECESSARY TO FACILITATE CONSTRUCTION. SEE THE SPECIFICATIONS FOR SPECIFIC DIRECTION.
6. EXISTING SEPTIC TANKS, GREASE TRAPS AND/OR UNDERGROUND TANKS, IF ENCOUNTERED, ARE TO BE REMOVED FROM THE SITE AND DISPOSED OF ACCORDING TO APPLICABLE CODES. THE LOCATION OF ANY TANKS SHALL BE RECORDED AND THE ENGINEER SHALL BE NOTIFIED AT ONCE.
7. WELLS, IF ENCOUNTERED, SHALL BE ACCURATELY LOCATED BY THE CONTRACTOR, PROTECTED, UNLESS DIRECTED OTHERWISE ON THESE PLANS AND SURROUNDING GRADES MAINTAINED SUCH THAT SURFACE RUNOFF CANNOT ENTER THE WELL OPENING. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT ONCE.
8. THE CONTRACTOR SHALL CONSULT THE OWNER REGARDING SALVAGE. ANY ITEMS NOT RETAINED BY THE OWNER SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DEMOLISH AND/OR LEGALLY DISPOSE OF.
9. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO DEMOLITION AND REMAIN IN PLACE UNTIL FINAL STABILIZATION AND COMPLETION OF CONSTRUCTION ACTIVITIES.
10. IF ANY HAZARDOUS MATERIAL IS ENCOUNTERED DURING DEMOLITION, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND APPROPRIATE AGENCIES FOR PROPER REMOVAL AND DISPOSAL.
11. DEMOLITION SHALL MEET ALL APPLICABLE STATE, LOCAL AND FEDERAL REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPLICABLE PERMITS.
12. CONTRACTOR IS RESPONSIBLE TO LOCATE ALL UTILITIES AND CONFIRM LOCATION, AND DEPTH IF NECESSARY BY MEAN OF NON DESTRUCTIVE INVESTIGATION (I.E., POT HOLING WITH VAC OR WATER). ANY UTILITIES LOCATED BY CONTRACTOR THAT ARE DAMAGED ARE THE RESPONSIBILITY OF THE CONTRACTOR.
13. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF DAMAGED ITEMS NOT TO BE DEMOLISHED DURING CONSTRUCTION ACTIVITIES.
14. DO NOT DISTURB EXISTING UTILITIES TO REMAIN IN SERVICE. CONTRACTOR IS TO COORDINATE UTILITY INFRASTRUCTURE DEMOLITION ACTIVITIES WITH UTILITY PROVIDER PRIOR TO COMPLETING THE WORK.
15. ALL DEMOLITION DEBRIS IS TO BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE CITY, COUNTY, STATE, AND FEDERAL REGULATIONS.

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 DETERMINE 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.



HMGP 4492 - PHASE 1 IMPROVEMENTS
TOWN OF SULLIVAN'S ISLAND

SULLIVAN'S ISLAND, SC

PERMIT SET
(NOT FOR CONSTRUCTION)

SW+ PROJECT: 12650
DATE: 01/27/2026
DRAWN BY: KBH
CHECKED BY: RCP/AA

REVISION HISTORY

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**EXISTING
CONDITIONS
OVERALL**

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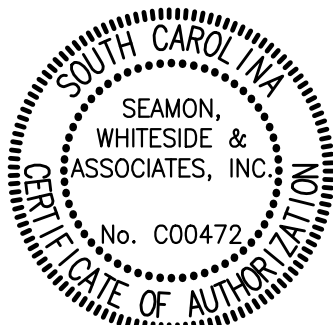


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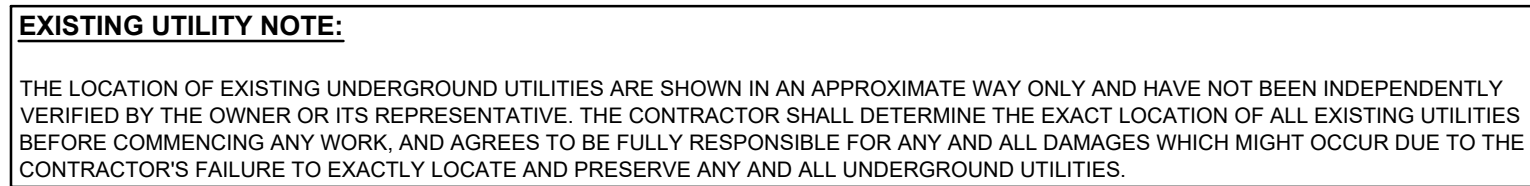
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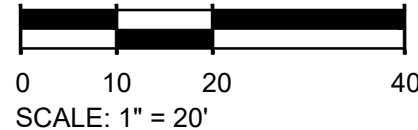


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A circular seal for Seamon, Whiteside & Associates, Inc. The outer ring contains the text "SOUTH CAROLINA" at the top and "CERTIFICATE OF AUTHORIZATION" at the bottom. The inner circle contains the company name "SEAMON, WHITESIDE & ASSOCIATES, INC." and the number "No. C00472".

HMGP 4492 - PHASE 1 IMPROVEMENTS
TOWN OF SULLIVAN'S ISLAND
SULLIVAN'S ISLAND, SC

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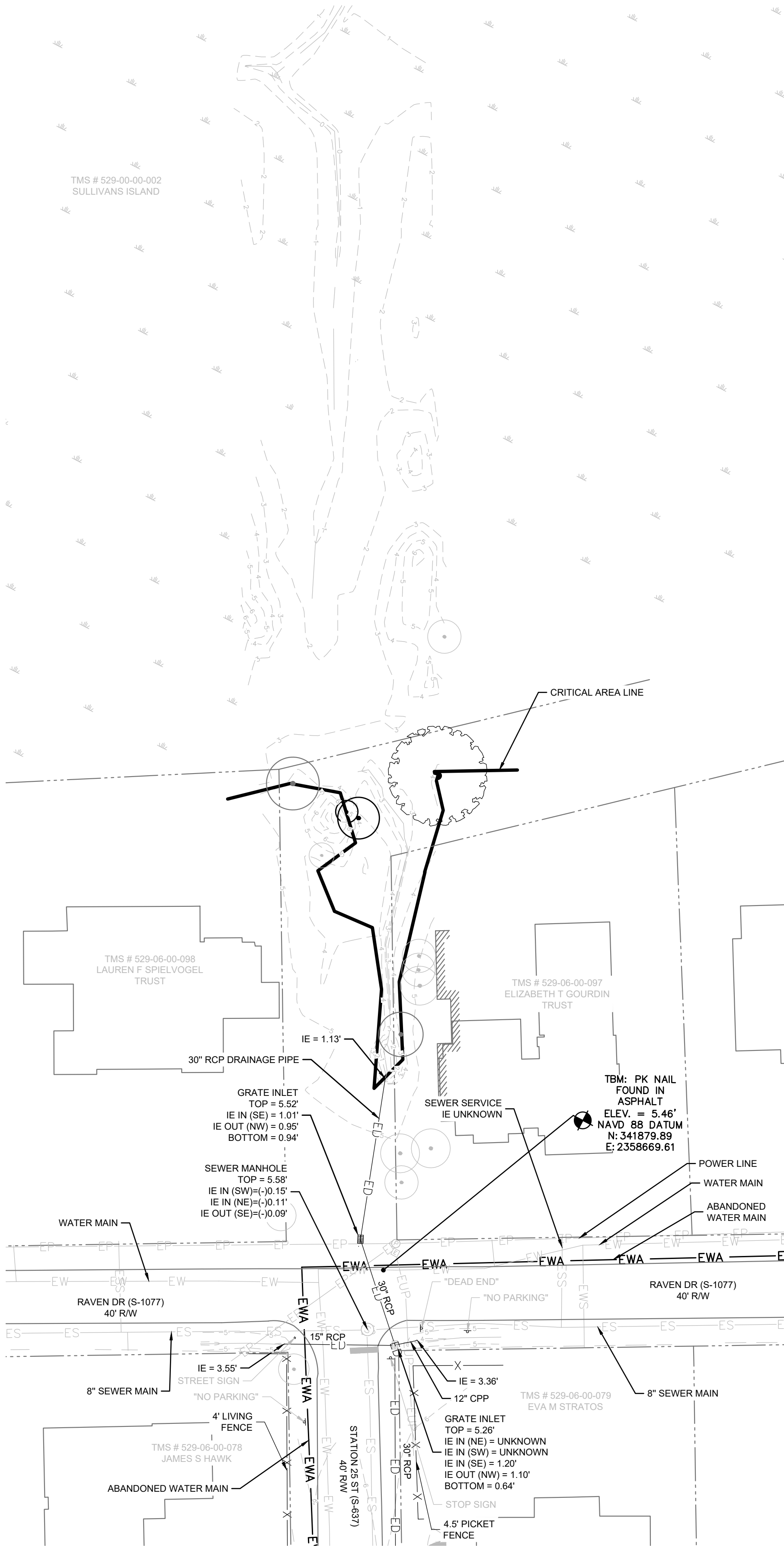
C2.1

501 WANDO PARK BOULEVARD, SUITE 200, MOUNT PLEASANT, SC 29464 | JUDSON HILL BUILDING 6000 7TH EAS. EY BRIDGE RD, SUITE 6000, GREENVILLE, SC 29611 | 1201 PETERSON DR., CHARLOTTE, NC 28207 | 1701 N. CEDAR STREET, SUMMERVILLE, SC 29583 | 1501 N. DANIEL MORGAN AVENUE, SUITE 300, SPARTANBURG, SC 29306 | 223 S. WEST ST. #600, RALEIGH, NC 27603

SULLIVANS ISLAND-STATION 25 STREET AREA - REFERENCES:

- 235185 - 11/08/2024
- 1) PLAT BY E. M. SEABROOK, DATED JUNE 27, 1963, RECORDED IN PLAT BOOK Q, PAGE 31, CHARLESTON COUNTY RMC.
 - 2) PLAT BY J. B. WESTON, DATED AUGUST 27, 1957, RECORDED IN PLAT BOOK T, PAGE 7, CHARLESTON COUNTY RMC.
 - 3) PLAT BY H. S. LAMBLE DATED APRIL 1899, RECORDED IN PLAT BOOK D, PAGE 184, CHARLESTON COUNTY RMC.
 - 4) PLAT OF LOTS LAID OUT AS PROVIDED BY ACT NO. 1181-1940, DATED JUNE 10, 1940, RECORDED IN PLAT BOOK F, PAGE69, RECORDED IN CHARLESTON COUNTY RMC.

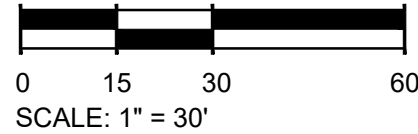
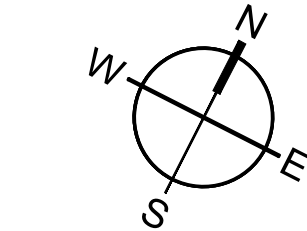
SCDOT PLAT REFERENCES STATION 25							
FED ROAD DIV NO.	STATE	COUNTY	DOCKET NO.	PROJECT NO.	ROAD NO.	SHEET NO.	TOTAL SHEETS
14	SC	CHARLESTON	10.238	-	S-599	6	11



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 DETERMINE 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.

SURVEY PROVIDED BY GPA LAND SURVEYING
DATED: 06/04/2024

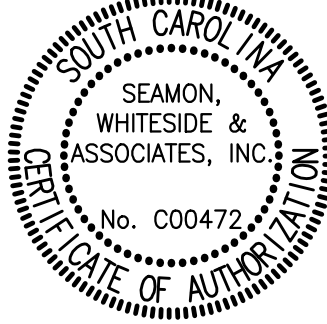


LEGEND

- ED— EXISTING STORM LINE
- EW— EXISTING WATER LINE
- ES— EXISTING SEWER LINE
- EWS— EXISTING WATER SERVICE
- ESS— EXISTING SEWER SERVICE
- EFO— EXISTING FIBER OPTIC
- ETV— EXISTING CABLE LINE
- EWA— EXISTING WATER LINE ABANDONED
- ESA— EXISTING SEWER LINE ABANDONED
- - - - - PROPERTY LINE
- CRITICAL LINE

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HMGP 4492 - PHASE 1 IMPROVEMENTS
TOWN OF SULLIVAN'S ISLAND
SULLIVAN'S ISLAND, SC

PERMIT SET
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SW+ PROJECT: 12650
DATE: 01/27/2026
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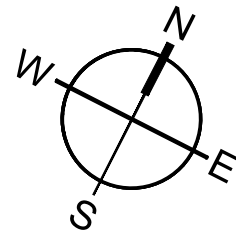
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EXISTING
CONDITIONS -
STATION 25

501 WINDO PARK BOULEVARD, SUITE 200, MOUNT PLEASANT, SC 29464 | JUDSON HILL & BUILDING 600A, 701 EASLEY DRIVE RD, SUITE 600A, GREENVILLE, SC 29611 | 201 PETERSON DR., CHARLOTTE, NC 28207 | 171 N. CEDAR STREET, SUMMERVILLE, SC 29586 | 223 S. WEST ST #600, RALEIGH, NC 27603

LEGEND

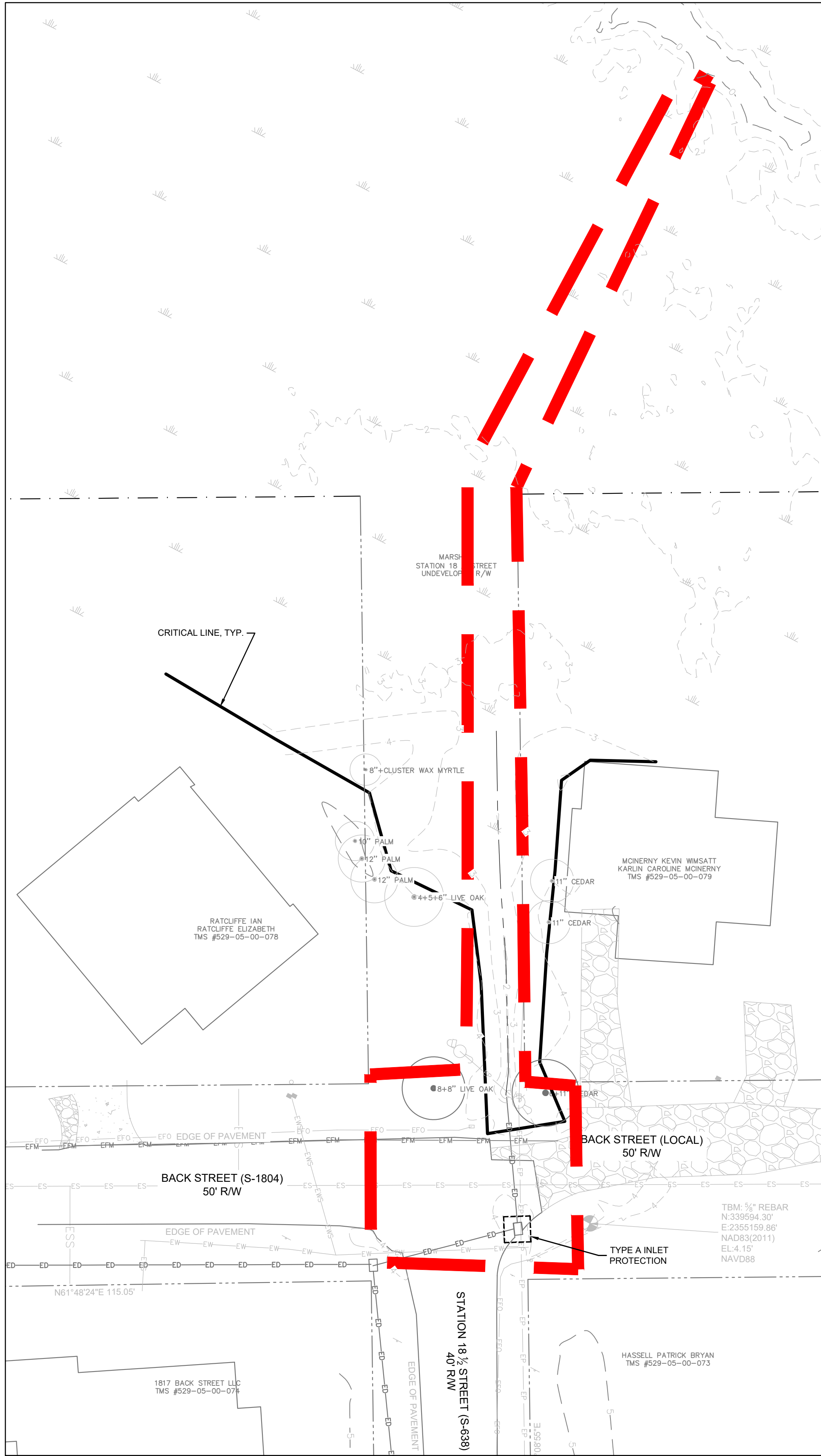
- ED— STORM LINE TO BE REMOVED
- ED— STORM LINE TO BE ABANDONED AND FLOWABLE FILLED
- ED— EXISTING STORM LINE
- EXISTING GRATE INLET TO BE REMOVED
- EXISTING STREET SIGN AND MAILBOX TO BE REMOVED AND RESET
- HATCH DENOTES EXISTING SIDEWALK, DRIVEWAY AND CURB TO BE REMOVED AND REPLACED
- HATCH DENOTES OPEN CUT FOR DRAINAGE INSTALLATION/REMOVAL
- HATCH DENOTES MILL & OVERLAY



0 10 20 40
SCALE: 1" = 20'



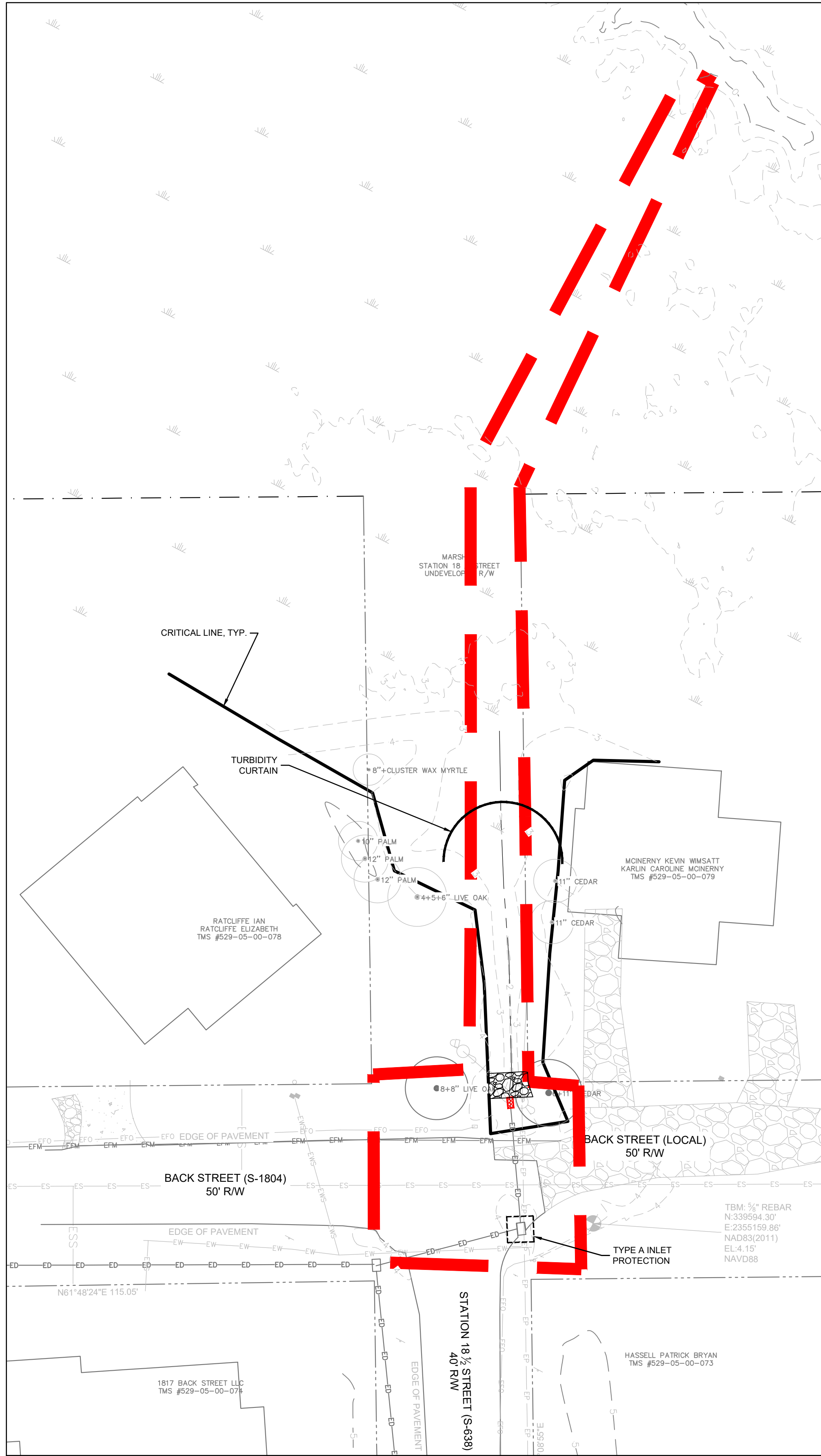
Know what's below.
Call before you dig.



PHASE 1

PHASE 1 - INITIAL LAND DISTURBANCE - DEMOLITION NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING CONSTRUCTION SAFETY FENCING.
- THE CONTRACTOR SHALL VERIFY ALL ITEMS TO BE DEMOLISHED AND REMOVED FROM THE PROJECT SITE, WITH THE ENGINEER AND OWNER. THE VERIFICATION PROCESS SHALL INCLUDE VISITING AND WALKING THE SITE. ALL ITEMS REQUIRING DEMOLITION/REMOVAL, WHETHER SHOWN ON THIS PLAN OR NOT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL CONSULT THE OWNER REGARDING SALVAGE. ANY ITEMS NOT RETAINED BY THE OWNER SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE ACCORDING TO APPLICABLE REGULATIONS.
- ALL SITE DEMOLITION SHALL OBTAIN ALL APPLICABLE DEMOLITION PERMITS AND CONFORM TO APPLICABLE STATE AND LOCAL CODES.
- THERE SHALL BE NO BURNING ON THE SITE.
- ALL EXISTING STRUCTURES AND RELATED SLABS, FOOTINGS, FOUNDATIONS, STEPS, ETC. DESIGNATED "DEMO" OR "REMOVE" ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF ACCORDING TO APPLICABLE REGULATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL PUBLIC AND PRIVATE UTILITIES, INCLUDING MECHANICAL AND FIRE PROTECTION EQUIPMENT.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO DEMOLITION.
- STRIPING SHALL BE REMOVED AND REPLACED WHERE DEMOLITION OCCURS.
- IF ANY HAZARDOUS MATERIAL IS ENCOUNTERED DURING DEMOLITION, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND APPROPRIATE AGENCIES FOR PROPER REMOVAL AND DISPOSAL.
- ALL AREAS DISTURBED BY CONSTRUCTION (WITH THE EXCEPTION OF AREAS INDICATED TO BE A HARD SURFACE, OR LANDSCAPED/SODDED) SHALL BE HYDROSEEDDED.
- THE CONTRACTOR SHALL VERIFY THAT CONFLICTS DO NOT EXIST BETWEEN EXISTING AND NEW UTILITIES PRIOR TO BEGINNING WORK. REQUEST INSTRUCTION FROM ENGINEER IF CONFLICTS ARE FOUND TO EXIST.



PHASE 2 & 3

PHASE 2 & 3 - CONSTRUCTION & STABILIZATION - SWPPP NOTES:

- ALL SWPPP BMP'S TO BE REMOVED AFTER FINAL STABILIZATION AND APPROVAL FROM AHJ IS RECEIVED.
- ALL AREAS DISTURBED BY CONSTRUCTION (WITH THE EXCEPTION OF AREAS INDICATED TO BE A HARD SURFACE, OR LANDSCAPED/SODDED) SHALL BE HYDROSEEDDED.

EXISTING UTILITY NOTE:

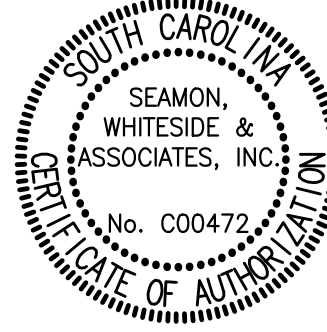
THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR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



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SULLIVAN'S ISLAND, SC

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DEMO AND SWPPP - STATION 18.5

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ED

STORM LINE TO BE REMOVED

ED

STORM LINE TO BE ABANDONED AND FLOWABLE FILLED

ED

EXISTING STORM LINE

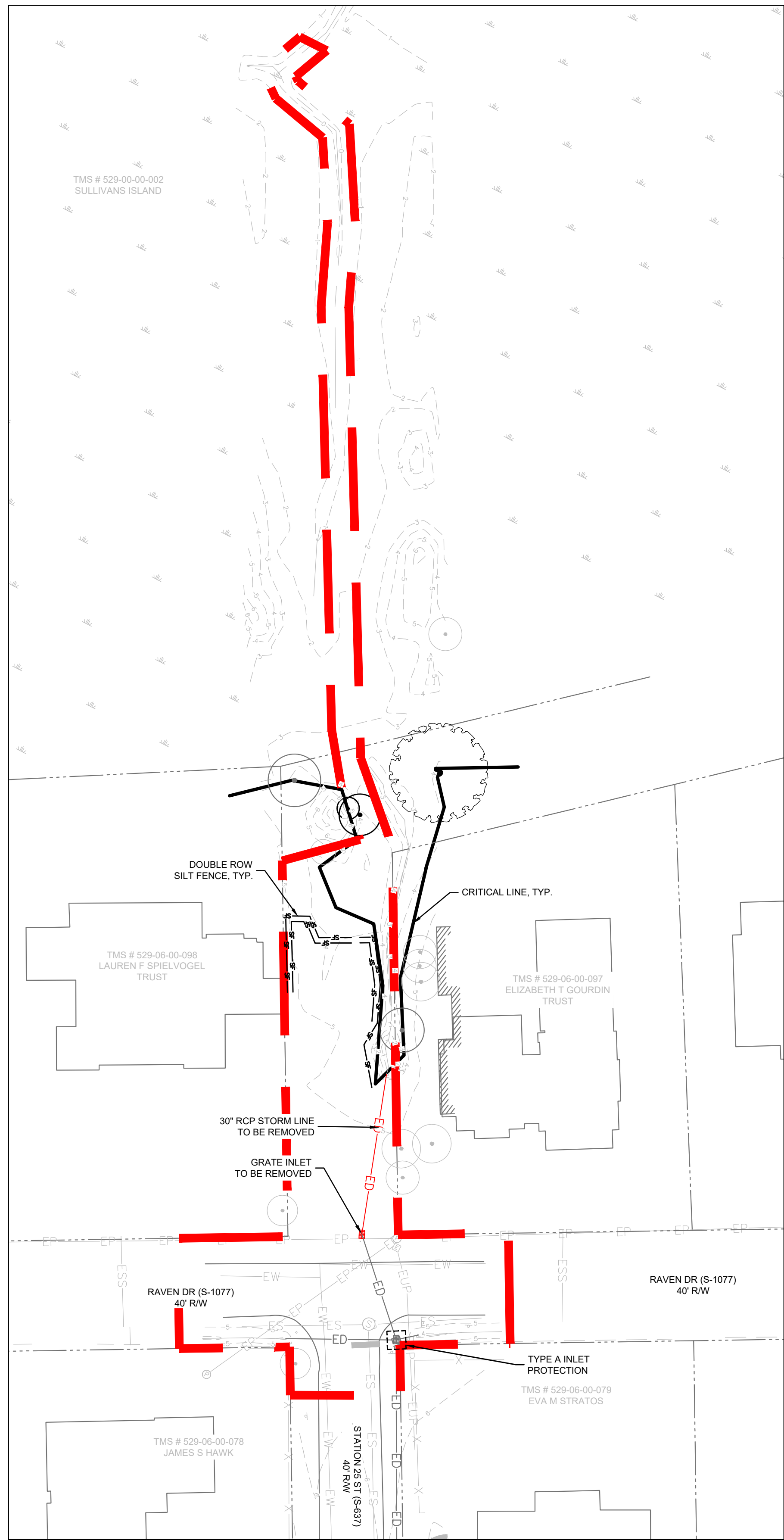
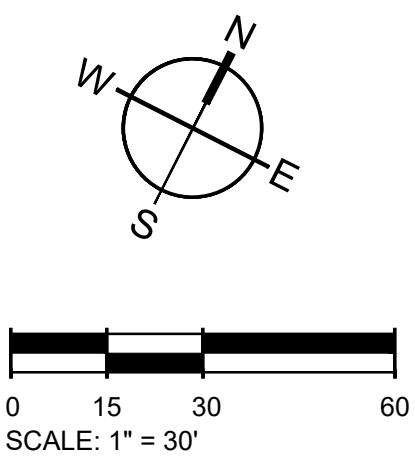
EXISTING GRATE INLET TO BE REMOVED

EXISTING STREET SIGN AND MAILBOX TO BE REMOVED AND RESET

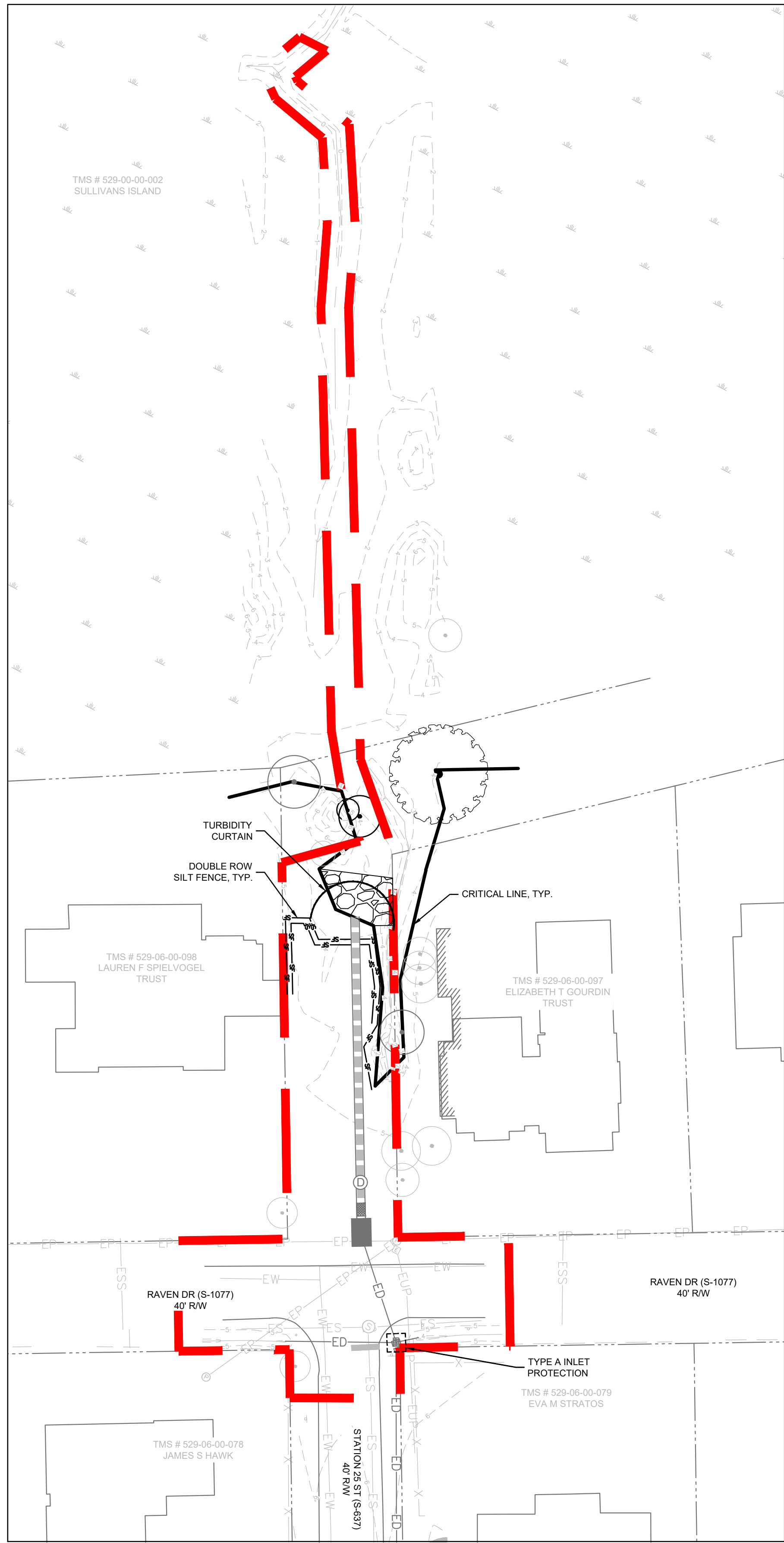
HATCH DENOTES EXISTING SIDEWALK, DRIVEWAY AND CURB TO BE REMOVED AND REPLACED

HATCH DENOTES OPEN CUT FOR DRAINAGE INSTALLATION/REMOVAL

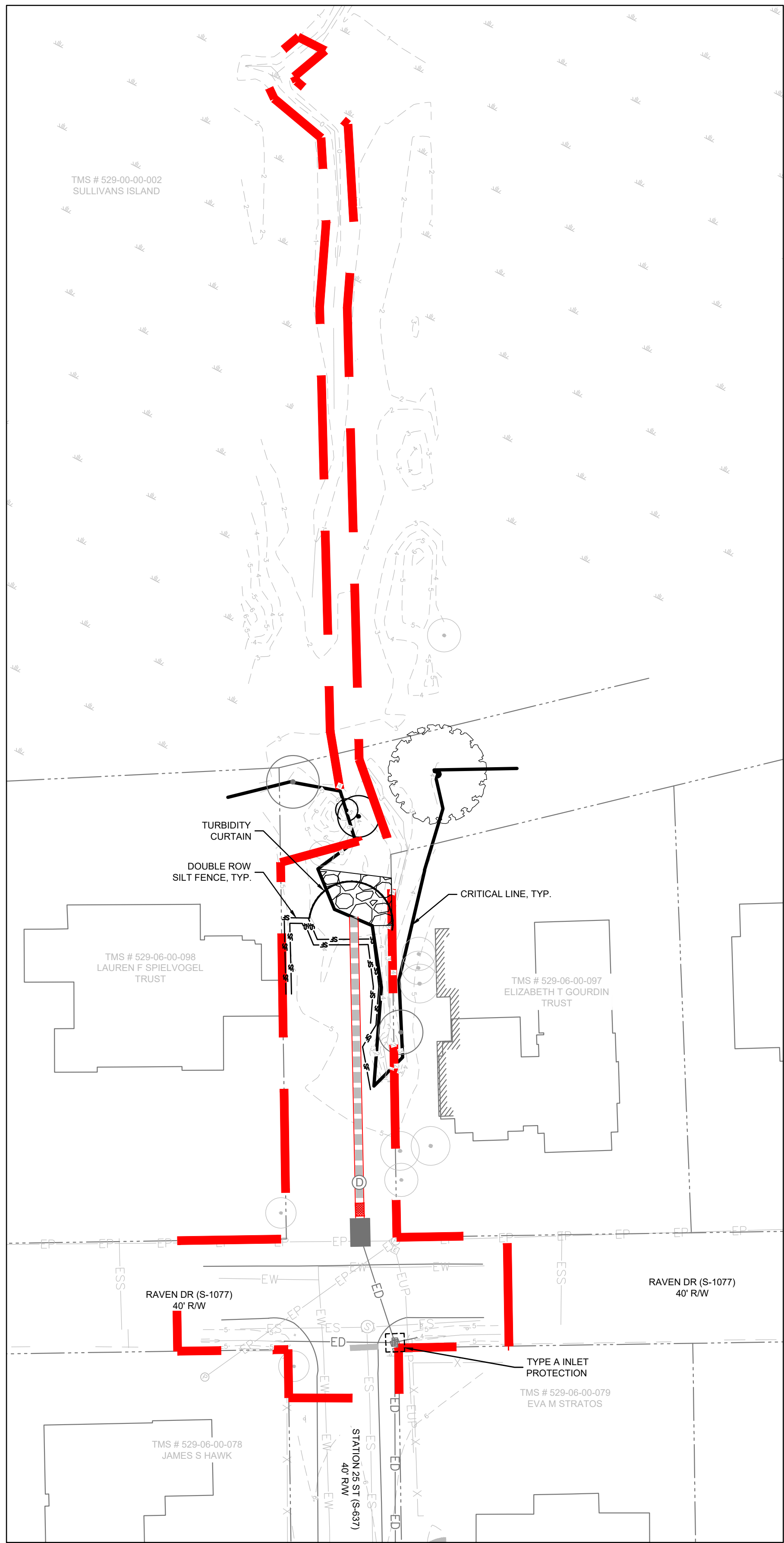
HATCH DENOTES MILL & OVERLAY



PHASE 1



PHASE 2



PHASE 3

PHASE 1 - INITIAL LAND DISTURBANCE - DEMOLITION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING CONSTRUCTION SAFETY FENCING.
2. THE CONTRACTOR SHALL VERIFY ALL ITEMS TO BE DEMOLISHED AND REMOVED FROM THE PROJECT SITE, WITH THE ENGINEER AND OWNER. THE VERIFICATION PROCESS SHALL INCLUDE VISITING AND WALKING THE SITE. ALL ITEMS REQUIRING DEMOLITION/REMOVAL, WHETHER SHOWN ON THIS PLAN OR NOT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL CONSULT THE OWNER REGARDING SALVAGE. ANY ITEMS NOT RETAINED BY THE OWNER SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE ACCORDING TO APPLICABLE REGULATIONS.
- 2.1. TREES WITHIN THE VICINITY OF, OR WITHIN, THE EXCAVATION AREA ARE TO REMAIN UNLESS NOTED ON THE PLANS. IF NECESSARY SPACE IS NOT AVAILABLE TO INSTALL TREE PROTECTION FENCING, CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING TREE ROOTS.
3. ALL SITE DEMOLITION SHALL OBTAIN ALL APPLICABLE DEMOLITION PERMITS AND CONFORM TO APPLICABLE STATE AND LOCAL CODES.
4. THERE SHALL BE NO BURNING ON THE SITE.

5. ALL EXISTING STRUCTURES AND RELATED SLABS, FOOTINGS, FOUNDATIONS, STEPS, ETC. DESIGNATED "DEMOL" OR "REMOVE" ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF ACCORDING TO APPLICABLE REGULATIONS.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL PUBLIC AND PRIVATE UTILITIES, INCLUDING MECHANICAL AND FIRE PROTECTION EQUIPMENT.
7. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO DEMOLITION.
8. STRIPING SHALL BE REMOVED AND REPLACED WHERE DEMOLITION OCCURS.
9. IF ANY HAZARDOUS MATERIAL IS ENCOUNTERED DURING DEMOLITION, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND APPROPRIATE AGENCIES FOR PROPER REMOVAL AND DISPOSAL.
10. ALL AREAS DISTURBED BY CONSTRUCTION (WITH THE EXCEPTION OF AREAS INDICATED TO BE A HARD SURFACE, OR LANDSCAPED/SODDED) SHALL BE HYDROSEEDDED.
11. THE CONTRACTOR SHALL VERIFY THAT CONFLICTS DO NOT EXIST BETWEEN EXISTING AND NEW UTILITIES PRIOR TO BEGINNING WORK. REQUEST INSTRUCTION FROM ENGINEER IF CONFLICTS ARE FOUND TO EXIST.

PHASE 3 - STABILIZATION - SWPPP NOTES:

1. ALL SWPP BMP'S TO BE REMOVED AFTER FINAL STABILIZATION AND APPROVAL FROM AHJ IS RECEIVED.
2. ALL AREAS DISTURBED BY CONSTRUCTION (WITH THE EXCEPTION OF AREAS INDICATED TO BE A HARD SURFACE, OR LANDSCAPED/SODDED) SHALL BE HYDROSEEDDED.

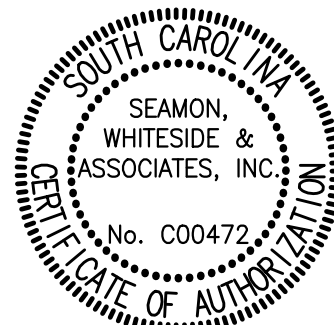
EXISTING UTILITY NOTE:

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 DETERMINE 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.



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DEMO AND
SWPPP -
STATION 25

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DRAINAGE FACILITIES MAINTENANCE PLAN

TEMPORARY STORMWATER AND SEDIMENT CONTROLS (SSC'S):

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE INCLUDING BUT NOT NECESSARILY LIMITED TO:
- A. DURING CONSTRUCTION (UNTIL FINAL APPROVAL BY THE AUTHORITIES HAVING JURISDICTION AND THE OWNER):
- DAILY:
 - OBSERVING PAVED AREAS THAT ARE UTILIZED FOR SITE ACCESS TO LOOK FOR SIGNS OF SOIL BEING TRACKED FROM THE SITE AND TAKING CORRECTIVE ACTION AS NECESSARY (SEE NOTE #6 UNDER "STORMWATER AND SEDIMENT CONTROL").
 - CORRECTING ANY DAMAGE TO SSC'S AS SOON AS POSSIBLE WHEN IT OCCURS.
 - WEEKLY (SEE NOTE #3 UNDER "STORMWATER AND SEDIMENT CONTROL" - CONTRACTOR SHALL COORDINATE WITH ENGINEER TO CONFIRM THAT ARRANGEMENTS ARE IN PLACE FOR REQUIRED INSPECTIONS AND LOG MANAGEMENT):
 - INSPECTING SSC'S FOR DAMAGE AND ACCUMULATED SEDIMENT. REMOVING SEDIMENT AND REPAIRING OR REPLACING DAMAGED SSC'S AS NECESSARY.
 - EVALUATING PERFORMANCE AND AMENDING, MODIFYING, IMPROVING, OR RELOCATING SSC'S AS NECESSARY.
 - LOGGING INSPECTION OBSERVATIONS, RECOMMENDATIONS, REPAIRS, RELOCATIONS, AMENDMENTS, AND IMPROVEMENTS AS NECESSARY.
 - BI-WEEKLY:
 - EVALUATING SITE AND INSTALLING PERMANENT LANDSCAPING OR TEMPORARY SEEDING AS NECESSARY.
- B. AT COMPLETION OF CONSTRUCTION (UPON FINAL APPROVAL BY AUTHORITIES HAVING JURISDICTION AND THE OWNER) REMOVAL OF ALL TEMPORARY SSC'S.

DRAINAGE CULVERTS AND STRUCTURES:

1. DURING CONSTRUCTION (UNTIL FINAL APPROVAL BY THE AUTHORITIES HAVING JURISDICTION AND THE OWNER):
- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE INCLUDING BUT NOT NECESSARILY LIMITED TO:
- PROTECTING THE CULVERTS AND STRUCTURES FROM DAMAGE.
 - PREVENTING SEDIMENT FROM ENTERING THE CULVERTS AND STRUCTURES.
 - REPAIR OF ANY DAMAGE AND REMOVAL OF SEDIMENT AS SOON AS POSSIBLE AFTER IT OCCURS.
2. AFTER CONSTRUCTION:
- A. FOR PUBLIC ROADWAY AND EASEMENT AREAS, THESE AREAS WILL BE DEDICATED TO AN OPERATING GOVERNMENTAL AUTHORITY UPON COMPLETION AND THAT AUTHORITY WILL PERFORM MAINTENANCE.
- B. FOR PRIVATE PROPERTY AREAS, THE OWNER OR THEIR ASSIGNS WILL BE RESPONSIBLE FOR MAINTENANCE IN PERPETUITY.

TEMPORARY BUFFER ZONE MANAGEMENT AND SURFACE WATER PROTECTION:

- TEMPORARY (CONSTRUCTION) BUFFERS ARE NOT TO BE CONFUSED WITH PERMANENT BUFFERS THAT MAY BE SHOWN ELSEWHERE IN THE CONSTRUCTION PLANS. EXERCISE CARE TO DIFFERENTIATE BETWEEN TEMPORARY AND PERMANENT BUFFERS AND THEIR ASSOCIATED REQUIREMENTS.
- ALL PERIMETER AND SEDIMENT CONTROL BMPs SHALL BE INSTALLED PRIOR TO THE DISCHARGE OF STORMWATER RUNOFF INTO THE ADJACENT SURFACE WATER'S AND SHALL BE MAINTAINED UNTIL FINAL STABILIZATION.
- AREAS CONTRIBUTING DIRECT RUNOFF TO TEMPORARY BUFFER AREAS SHALL BE STABILIZED PRIOR TO COMMENCING WORK WITHIN THE TEMPORARY BUFFER AREA.
- ONCE CONSTRUCTION WITHIN AND ADJACENT TO TEMPORARY BUFFER AREAS IS COMPLETED, THE AREAS SHALL BE STABILIZED AS SOON AS PRACTICAL.
- IN THE EVENT A BUFFER IS ACCIDENTALLY DISTURBED, THE CONTRACTOR SHALL STABILIZE THE AREA AS SOON AS POSSIBLE AND NOTIFY THE ENGINEER REGARDING REMEDIAL MEASURES OR EROSION CONTROL MEASURES.

PERMANENT SEEDING (TO BE USED WHERE PERMANENT TURF AND/OR STABILIZATION IS INDICATED ON PLANS AND/OR DETAILS. UNLESS OTHERWISE DEFINED ON THE PLANS, ALL AREAS DISTURBED MUST BE STABILIZED)

1. IN PARTICULAR, IT IS THE CONTRACTOR'S RESPONSIBILITY TO:
- ESTABLISH A UNIFORM PERENNIAL STAND OF VEGETATION WITH A ROOT SYSTEM THAT IS SUFFICIENTLY DEVELOPED TO SURVIVE DRY PERIODS AND WINTER WEATHER AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING.
 - PROVIDE MINIMUM UNIFORM DENSITY COVERAGE OF 70% THROUGHOUT THE SEEDED AREA, IN ACCORDANCE WITH THE DEFINITION OF "FINAL STABILIZATION" AS DEFINED IN THE SCDES NPDES GENERAL PERMIT.
 - MAINTAIN THE STAND OF VEGETATION INCLUDING MOWING, FERTILIZING, WEED, DISEASE AND INSECT CONTROL, AND WATERING AS NECESSARY, UNTIL FINAL ACCEPTANCE BY THE OWNER AND/OR AUTHORITY HAVING JURISDICTION.
2. ALL NECESSARY (GROUND BED) PREPARATION, INSTALLATION, AND MAINTENANCE SHALL BE IN ACCORDANCE WITH THE LANDSCAPING SPECIFICATIONS FOR THE PROJECT OR, IN INSTANCES WHERE LANDSCAPING SPECIFICATIONS DO NOT EXIST, IN ACCORDANCE WITH APPLICABLE PORTIONS (INCLUDING BED PREPARATION, MULCH, FERTILIZERS, STIMULANTS, TACKIFIERS, ETC.) OF SECTION 810 OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).
3. UNLESS OTHERWISE INDICATED ON THIS SHEET OR IN SPECIFICATIONS, PERMANENT SEED SELECTION AND APPLICATION SHALL BE IN ACCORDANCE WITH APPENDIX C OF THE SCDES STORM WATER MANAGEMENT BMP HANDBOOK. SEED SPECIES AND APPLICATION RATE SHALL BE AS INDICATED FOR THE PROJECT LOCATION, SOIL TYPE, AND DATE OF INSTALLATION.
4. PERMANENT SEED SELECTION (SELECTION METHOD BELOW FOLLOWS SCDOT RECOMMENDATIONS):
- SELECT A MINIMUM OF TWO (2) SEED SPECIES FROM TABLE 1 BELOW, AND A MINIMUM OF ONE (1) ACCEPTABLE ANNUAL NURSE CROP SEED SPECIES FROM TABLE 2 BELOW (UNDER THE TEMPORARY SEEDING SECTION), OR;
 - SELECT ONE (1) SEED SPECIES FROM TABLE 1 AT DOUBLE THE SPECIFIED RATE WITH A MINIMUM OF ONE (1) ACCEPTABLE ANNUAL NURSE CROP SEED SPECIES FROM TABLE 2 AT THE SPECIFIED RATE.

DURING APPLICATION IN "NON-PRIMARY MONTHS", THE SEED MIX SHALL BE PREPARED TO PROVIDE FOR GERMINATION OF PERMANENT SPECIES IN THE FOLLOWING SPRING AND SUMMER TO INSURE 70% COVERAGE IS ACHIEVED AS DESCRIBED IN NOTE 1 ABOVE.

TABLE 1 - PERMANENT SEEDING (Perennial Seed)													
Species	Lbs/Ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
★ Common Bermuda	30												
Carpet Grass	15												
Centipedegrass	10												
★★ Bahiagrass	30												
★★ Tall Fescue	50												
★★ Weeping Lovegrass	5												

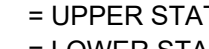
 = UPPER STATE (Primary Months)
 = LOWER STATE (Primary Months)

- * Use unhulled seed during fall and winter months.
- ** Only use where specified on plans or in specifications or if approved by the owner, engineer or landscape architect.

TEMPORARY SEEDING (TO BE USED ONLY FOR TEMPORARY STABILIZATION DURING CONSTRUCTION)

1. IN PARTICULAR THE CONTRACTOR SHALL:
- ESTABLISH A STAND OF VEGETATION THAT IS CAPABLE TO PREVENT EROSION AND SEDIMENT LOSS, IN ACCORDANCE WITH THE DEFINITION OF "TEMPORARY STABILIZATION" AS DEFINED IN THE SCDES NPDES GENERAL PERMIT.
 - INITIATE TEMPORARY STABILIZATION EFFORTS AS REQUIRED IN NOTE 2 AND 12 OF THE "STORMWATER AND SEDIMENT CONTROL" NOTES LISTED ON THIS PAGE.
 - MAINTAIN THE STAND OF VEGETATION UNTIL REPLACED BY PERMANENT LANDSCAPING OR SUBSEQUENT CONSTRUCTION.
2. ALL NECESSARY (GROUND BED) PREPARATION, INSTALLATION, AND MAINTENANCE OF TEMPORARY SEEDING SHALL BE IN ACCORDANCE WITH APPLICABLE PORTIONS (INCLUDING BED PREPARATION, MULCH, FERTILIZERS STIMULANTS, TACKIFIERS, ETC.) OF SECTION 810 OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).
3. UNLESS OTHERWISE INDICATED ON THIS SHEET OR IN SPECIFICATIONS, TEMPORARY SEED SHALL BE IN ACCORDANCE WITH APPENDIX C OF THE SCDES STORM WATER MANAGEMENT BMP HANDBOOK. SEED SPECIES AND APPLICATION RATE SHALL BE AS INDICATED FOR THE PROJECT LOCATION, SOIL TYPE, AND DATE OF INSTALLATION.
4. TEMPORARY SEED SELECTION (SELECTION METHOD BELOW FOLLOWS SCDOT RECOMMENDATIONS):
- FOR SHORT DURATION APPLICATIONS, SELECT A MINIMUM OF ONE (1) SEED SPECIES FROM TABLE 2 BELOW.
 - FOR LONGER DURATION APPLICATIONS, SELECT A MINIMUM OF ONE (1) SEED SPECIES FROM TABLE 1 ABOVE (UNDER PERMANENT SEEDING) AND FROM TABLE 2 BELOW, AND APPLY AT THE RATES SPECIFIED.

TABLE 2 - NURSE CROP AND TEMPORARY SEEDING (Annual Seed)														
Species	Nurse Crop	Temp. Cover												
	Lbs/Ac		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Browntop Millet	15	60												
Ryegrass	75	200												

 = UPPER STATE
 = LOWER STATE

PERMITTING NOTES

- THESE PLANS HAVE BEEN PREPARED TO MEET THE INITIAL REQUIREMENTS OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR COVERAGE UNDER THE NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (NPDES). THE OWNER AND CONTRACTOR(S) ARE ADVISED THAT ADDITIONAL REQUIREMENTS, WHICH ARE BEYOND THE SCOPE OF THESE PLANS, MUST BE MET IN ORDER TO ASSURE CONTINUED COVERAGE UNDER THE NPDES.
- COVERAGE UNDER THE NPDES IS INITIATED BY THE SC DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL'S (SCDES) APPROVAL OF THE PROJECT FOR CONSTRUCTION. THE OWNER'S SUBMITTAL OF AN ENVIRONMENT PROTECTION AGENCY (EPA) NOTICE OF INTENT (NOI) SERVES AS THE OWNER'S CERTIFICATION THAT HE HAS PREPARED, AND WILL IMPLEMENT AND MAINTAIN, A SWPPP THROUGHOUT THE CONSTRUCTION PERIOD. FURTHERMORE, IT CERTIFIES THAT HE WILL DOCUMENT AND WHERE REQUIRED, REPORT SITE CONDITIONS, REMEDIAL EFFORTS, SWPPP MODIFICATIONS, AND OTHER STORMWATER RELATED ACTIVITIES IN ACCORDANCE WITH NPDES REQUIREMENTS. COVERAGE UNDER THE NPDES IS TERMINATED UPON THE OWNER'S SUBMITTAL OF AN EPA NOTICE OF TERMINATION (NOT) WHEN SCDES APPROVAL OF THE COMPLETED PROJECT HAS BEEN RECEIVED.
- THE OWNER IS ADVISED THAT SEAMON WHITESIDE'S SCOPE OF SERVICES DOES NOT NECESSARILY INCLUDE EFFORTS TO DOCUMENT AND REPORT ACTIVITIES IN ACCORDANCE WITH NPDES REQUIREMENTS. WHILE SEAMON WHITESIDE CAN PERFORM THESE SERVICES UPON REQUEST, THEY CAN ALSO BE PROVIDED BY THIRD PARTY FIRMS WHO SPECIALIZE IN DOCUMENTATION AND REPORTING OF NPDES RELATED ACTIVITIES. REGARDLESS, THESE ACTIVITIES MUST BE ACCOMPLISHED, DOCUMENTED, AND WHERE REQUIRED, REPORTED THROUGHOUT THE CONSTRUCTION PERIOD IN ORDER TO AVOID AN NPDES VIOLATION.
- ADDITIONAL PARTIES WHO ARE ASSOCIATED WITH A PROJECT THAT HAS RECEIVED NPDES COVERAGE ARE REQUIRED TO ADHERE TO THE REQUIREMENTS OF THE PROJECT SWPPP FOR THOSE PORTIONS THAT PERTAIN TO THEIR ACTIVITIES (REFER TO SECTIONS 2.1 & 2.2 OF THE STATE GENERAL PERMIT). IN ADDITION, PARTIES WHO ARE ASSOCIATED WITH ACTIVITIES THAT ARE PART OF A "LARGER COMMON PLAN" (LCP) THAT HAS RECEIVED NPDES COVERAGE MAY ALSO SHARE RESPONSIBILITY FOR COMPLIANCE AS A "SECONDARY PERMITTEE" (REFER TO SECTIONS 2.2.2 OF THE STATE GENERAL PERMIT). ALL PARTIES ASSOCIATED WITH ANY CONSTRUCTION ACTIVITIES ARE ADVISED TO CLARIFY THEIR RESPONSIBILITIES FOR COMPLIANCE WITH THE STATE GENERAL PERMIT AND THE PROJECT'S NPDES PERMIT AND SWPPP.

SWPPP PHASE 1 - INITIAL LAND DISTURBANCE PHASE - SEQUENCE OF CONSTRUCTION:

- RECEIVE NPDES COVERAGE FROM SCDES.
- CONDUCT PRE-CONSTRUCTION MEETING (AS DEFINED IN SECTION 4.1 OF THE STATE GENERAL PERMIT OR AS SPECIFIED IN THE PROJECTS NPDES PERMIT).
- NOTIFY SCDES OFFICE AND THE MS 4 OPERATOR 48 HOURS PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES.
- INSTALL CONSTRUCTION ENTRANCE(S) AND BEGIN MAINTENANCE OF SEDIMENT CONTROLS AS NECESSARY. CONTINUE MAINTENANCE UNTIL ALL FINAL STABILIZATION MEASURES ARE IN PLACE AND REMOVAL OF CONTROLS IS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- CLEAR AND GRUB FOR THE INSTALLATION OF PERIMETER CONTROLS (SILT FENCE) AND TREE BARRICADES. COORDINATE A INSPECTION WITH THE MS4 OPERATOR OR LOCAL MUNICIPALITY AND THE ENGINEER PRIOR TO CONTINUING ANY WORK ACTIVITIES.

SWPPP PHASE 1 - INITIAL LAND DISTURBANCE PHASE - NOTES:

- THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE INITIAL LAND DISTURBANCE PHASE:
- INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM DRAINAGE STRUCTURES AS INDICATED.
 - STONE CHECK DAMS OR OTHER APPROPRIATE BMPs SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS OR DITCHES WHERE INDICATED ON PLANS OR IN OTHER AREAS WHERE NEEDED.
 - CONTRACTOR SHALL PERFORM DE-WATERING WITH APPROPRIATE BMPs IN A MANNER THAT MEETS LOCAL AND STATE REGULATIONS WITH REGARD TO DISPOSAL OF WATER AND REMOVED SEDIMENT.
 - TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE AND SHALL BE MAINTAINED UNTIL FINAL LANDSCAPING IS INSTALLED. ANY FAILURES OF FENCING SHALL BE REPAIRED IMMEDIATELY.
 - NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT PERMISSION OF THE AUTHORITIES HAVING JURISDICTION, THE OWNER, AND THE ENGINEER.
 - THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES.
 - THE LOCATION OF SOME EROSION CONTROL DEVICES MAY NEED TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DEViate FROM THOSE PROPOSED. IT IS THE CONTRACTORS RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER.
 - FOLLOW ALL "STORMWATER AND SEDIMENT CONTROL" NOTES LISTED ON THIS PAGE.

SWPPP PHASE 2 - CONSTRUCTION PHASE - SEQUENCE OF CONSTRUCTION:

- INITIATE CLEARING AND GRUBBING FOR THE BALANCE OF THE SITE.
- CONTINUE MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL ALL FINAL STABILIZATION MEASURES ARE IN PLACE AND REMOVAL OF CONTROLS IS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- CLEAR AND GRUB THE REMAINDER OF THE SITE.
- INITIATE INSTALLATION OF WATER, SEWER, AND STORM DRAINAGE SYSTEM. THESE MAY BEGIN PRIOR TO COMPLETION OF FULL POND EXCAVATION, BUT NOT BEFORE REQUIRED SEDIMENT BASINS.
- INSTALL STORM DRAINAGE SYSTEM INCLUDING SEDIMENT PROTECTION AS EACH STRUCTURE IS INSTALLED.

SWPPP PHASE 2 - CONSTRUCTION PHASE - NOTES:

- THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE CONSTRUCTION PHASE.
- STORM DRAIN OUTLET PROTECTION (RIP RAP, TURF REINFORCING FABRICS, CHECK DAMS, ETC.) AS DEFINED ON THE PLANS, SHALL BE PLACED AT ALL OUTLETS AS THEY ARE INSTALLED.
- APPROPRIATE MEASURES ARE TO BE IMPLEMENT AS REQUIRED TO PREVENT SEDIMENT FROM ENTERING INLET PIPES AND BOXES. EACH PROTECTIVE MEASURE IS TO BE IN PLACE AS SOON AS POSSIBLE, AND PRIOR TO ANY RAIN EVENT, AFTER PIPE, STRUCTURE, ETC. IS INSTALLED. ACCUMULATED SEDIMENT SHALL BE REMOVED AND PLACED ON-SITE IN SUCH A MANNER THAT IT DOES NOT ACCUMULATE AGAIN.
- FINAL CUT AND FILL SLOPES ARE TO FOLLOW THE CONSTRUCTION PLANS. TEMPORARY CUT AND FILL SLOPES SHALL NOT EXCEED 2H:1V. 3H:1V OR BETTER IS PREFERRED IN ALL LOCATIONS UNLESS INFEASIBLE.
- FOLLOW ALL "STORMWATER AND SEDIMENT CONTROL" NOTES LISTED ON THIS PAGE.
- ALL INFRASTRUCTURE INSTALLATION CAN RUN CONCURRENTLY AS NEEDED BY CONTRACTOR DURING PHASE 2 CONSTRUCTION.

SWPPP PHASE 3 - STABILIZATION PHASE - SEQUENCE OF CONSTRUCTION:

- CONTINUE MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL ALL FINAL STABILIZATION MEASURES ARE IN PLACE AND REMOVAL OF CONTROLS IS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- COMPLETE ALL UTILITIES AND SITE SURFACE IMPROVEMENTS AS APPLICABLE, INCLUDING BUT NOT NECESSARILY LIMITED TO: WATER, SEWER, DRAINAGE, POWER, COMMUNICATIONS, GAS, CURBS, WALKS, PAVEMENT, SITE LIGHTING, ETC.
- INSTALL LANDSCAPING AND/OR ESTABLISH PERMANENT SOIL STABILIZATION.
- REMOVE TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AFTER THE ENTIRE AREA FLOWING TO EACH MEASURE IS PERMANENTLY STABILIZED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- PERFORM AS-BUILT SURVEYS OF THE DRAINAGE SYSTEM, AS REQUIRED BY AUTHORITIES HAVING JURISDICTION, AND SUBMIT TO THE OWNER AND ENGINEER FOR REVIEW AND SUBMITTAL TO SCDES AND/OR THE MS4 FOR REVIEW AND APPROVAL.
- SUBMITTAL NOTICE OF TERMINATION (NOT) BY THE OWNER AND ENGINEER.

SWPPP PHASE 3 - STABILIZATION PHASE - NOTES:

- AFTER CURBING, AGGREGATE BASE AND PAVING HAS BEEN COMPLETED, ALL INLET SEDIMENT TRAPS INSTALLED ON CURB INLETS OR IN ROADWAY SHALL BE REMOVED AND REPLACED WITH INLET FILTER PROTECTION. PROTECTION DEVICES MAY BE REMOVED ONCE AREA DRAINING TO EACH INLET HAS BEEN FULLY STABILIZED.
- UPON COMPLETION OF THE PROJECT AND AUTHORIZATION FROM THE AUTHORITY HAVING JURISDICTION, THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE ALL TEMPORARY EROSION CONTROL MEASURES, UNLESS OTHERWISE NOTED.
- FOLLOW ALL "STORMWATER AND SEDIMENT CONTROL" NOTES LISTED ON THIS PAGE.

STORMWATER AND SEDIMENT CONTROL

UNLESS OTHERWISE NOTED, CONTRACTOR SHALL PROVIDE FOR ALL OF THE REQUIREMENTS LISTED BELOW, AS APPLICABLE, AS PART OF THEIR WORK INCLUDED IN THEIR BASE BID:

- IF NECESSARY, SLOPES THAT EXCEED 8 VERTICAL FEET IN HEIGHT SHALL BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO SEEDING. TEMPORARY SLOPE DRAINS AND/OR BERMS SHALL BE INSTALLED AS NECESSARY UNTIL FINAL GRADE AND STABILIZATION IS ESTABLISHED.
- STABILIZATION MEASURES (EITHER PERMANENT LANDSCAPING OR TEMPORARY SEEDING) SHALL BE INSTALLED AS SOON AS PRACTICAL ON PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER CONSTRUCTION HAS CEASED, EXCEPT AS STATED BELOW:
 - WHERE STABILIZATION BEFORE THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INSTALLED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE HAS TEMPORARILY CEASED AND LAND DISTURBING ACTIVITIES WILL RESUME WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK, IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP IS INAPPROPRIATE, OR HAS BEEN INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- PROVIDE SILT FENCE AND/OR OTHER EROSION CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED BY PERMANENT SEEDING, OR OTHER MEASURES WHERE INDICATED ON THE PLANS. IMMEDIATELY AFTER UTILITY CONSTRUCTION IS COMPLETE UNLESS ADDITIONAL CONSTRUCTION IS TO TAKE PLACE, BACKFILLING OF THE TRENCH AT THE END OF EACH DAY IS MANDATORY AND TEMPORARY SEEDING IS RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER ADDITION SHALL BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED INTO ANY WATERS OF THE STATE.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR SHALL TAKE NECESSARY ACTIONS TO PREVENT TRACKING OF SOIL ONTO PAVED AREAS THAT ARE UTILIZED FOR ACCESS TO THE SITE AND TO MINIMIZE THE GENERATION OF DUST. SHOULD TRACKING OCCUR, THE CONTRACTOR SHALL IMMEDIATELY CEASE OR MODIFY CAUSAL OPERATIONS. THE CONTRACTOR SHALL DAILY REMOVE SOIL FROM PAVEMENT AS MAY BE REQUIRED.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES SHALL BE INSTALLED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE (OR PROTECTION AS OTHERWISE REQUIRED BY AUTHORITY HAVING JURISDICTION) SHALL BE INSTALLED IN ALL AREAS WHERE A 50 FT BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND THE WOS. IN ADDITION, A 10 FT BUFFER SHALL BE MAINTAINED BETWEEN THE NEAREST ROW OF SILT FENCE AND THE WOS.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, CHEMICALS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) SHALL BE PREVENTED FROM ENTERING OR OTHERWISE POLLUTING STORMWATER DISCHARGES.
- A COPY OF THE SWPPP, INSPECTION RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES UNTIL THE DATE THAT FINAL STABILIZATION IS ACHIEVED.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING. WHEEL WASHING, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH THE APPROPRIATE BMPs (SEDIMENT BASIN, FILTER BAG, ETC.).
- THE FOLLOWING DISCHARGES FROM THE SITE ARE PROHIBITED:
 - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL.
 - WASTEWATER FROM WASHOUT AND CLEANING OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS.
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATIONS AND MAINTENANCE.
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTION MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS ACHIEVED ON ALL AREAS OF THE CONSTRUCTION SITE.
- IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SCs WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE AND SHALL INCLUDE REVIEW OF THE APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.
- THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PAVED AREAS. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO PAVED AREAS OR INTO STORM DRAINAGE SHALL BE REMOVED AS SOON AS REASONABLY POSSIBLE.
- THE SILT FENCE SHALL BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR ENGINEER. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/3 HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHALL BE INSPECTED REGULARLY ONCE EVERY WEEK AND WITHIN 24 HOURS OF A RAIN EVENT THAT PRODUCES 1/2" OR MORE OF PRECIPITATION.
- SILT FENCE SHALL BE PLACED AT THE TOE OF OF ALL DIRT STOCK PILE AREAS (ON THE LOW SIDE WHERE SEDIMENT CAN BE WASHED AWAY).
- THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE REMOVED FROM SILT FENCE ONCE IT REACHES HALF THE HEIGHT OF THE FENCE.



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SULLIVAN'S ISLAND, SC

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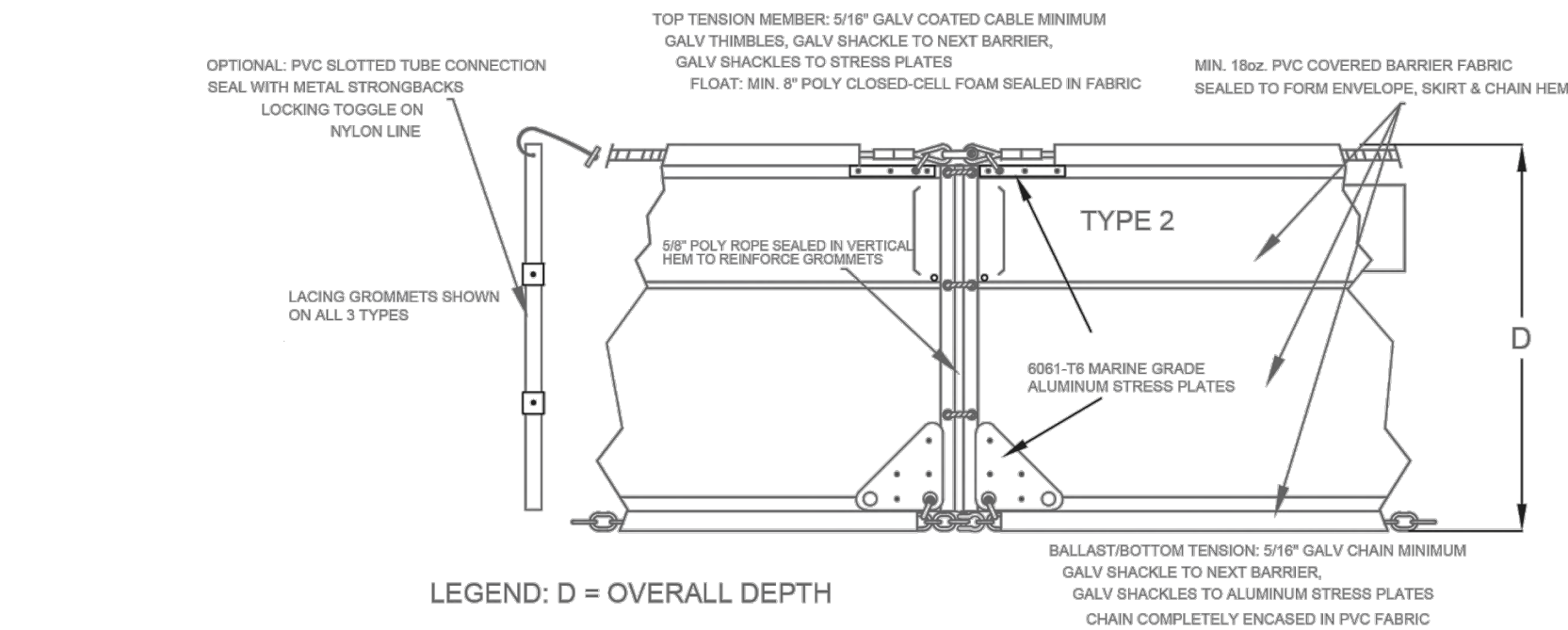
SW+ PROJECT: 12650
DATE: 01/27/2026
DRAWN BY: KBH
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REVISION HISTORY

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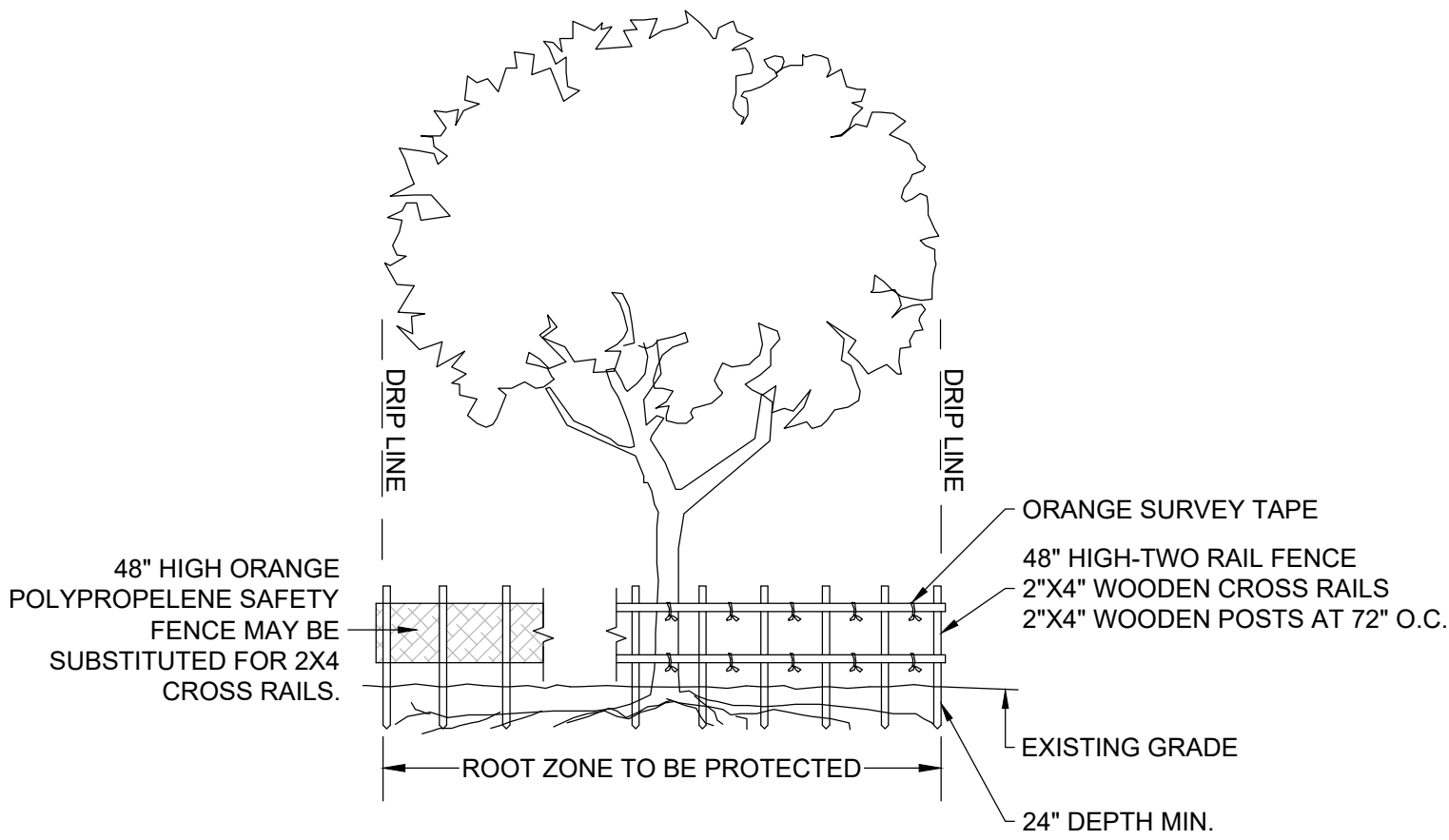
SWPPP
NOTES

501 WANDO PARK BOULEVARD, SUITE 200, MOUNT PLEASANT, SC 29664 | JUDSON HILL BUILDING 6000, 701 EASLEY BRIDGE RD, SUITE 6000, GREENVILLE, SC 29611 | 200 PETERSON DR., CHARLOTTE, NC 28207 | 1710 N. CEDAR STREET, SUMMERVILLE, SC 29586 | 1501 N. DANIEL MORGAN AVENUE, SUITE 300, SPARTANBURG, SC 29306 | 223 S. WEST ST. #600, RALEIGH, NC 27603
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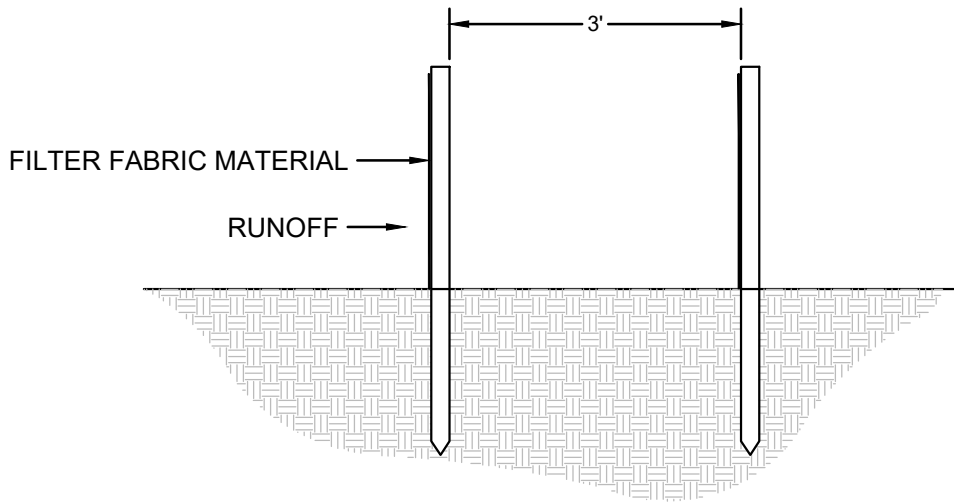


Notes:

1. Drawing not to scale
2. Barrier must have a minimum 4" freeboard
3. Floats, lacing grommet strip and ballast chain sealed in barrier fabric
4. Vertical seals between float segments
5. Overall depth to be specified by engineer
6. Barrier type and depth to be imprinted on float, min. 2 in lettering
7. 18 oz. Pvc covered barrier fabric minimum
8. Connections by lacing grommets, slotted tube or universal aluminum connector
9. Flotation sized for skirt depth/weight



- NOTES:
1. BARRICADES SHALL BE INSTALLED AROUND ALL TREES INDICATED ON THE PLANS ACCORDING TO THE FOLLOWING STANDARDS:
 - A. WHERE POSSIBLE, LOCATE ALONG THE PERIMETER OF THE OUTER MOST SPREAD OF THE PROTECTED TREE'S BRANCHES (DRIP LINE).
 - B. IN NO CASE SHALL THE TREE PROTECTION BE LOCATED LESS THAN A DISTANCE EQUAL TO THE DIAMETER OF THE TREE AT BREAST HEIGHT (IN INCHES) MULTIPLIED BY 6" FROM THE BASE OF THE TREE. (IE: A 24" TREE REQUIRES A CIRCLE OF PROTECTION WITH A RADIUS OF 144").

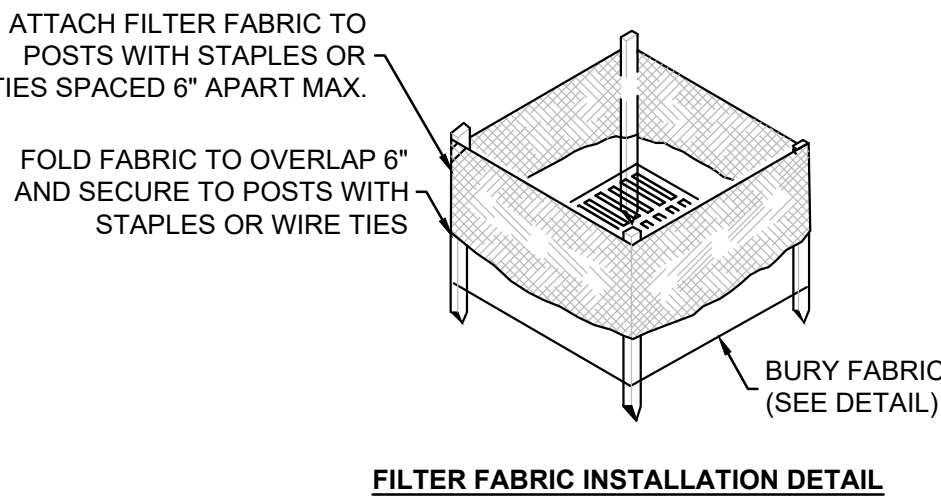
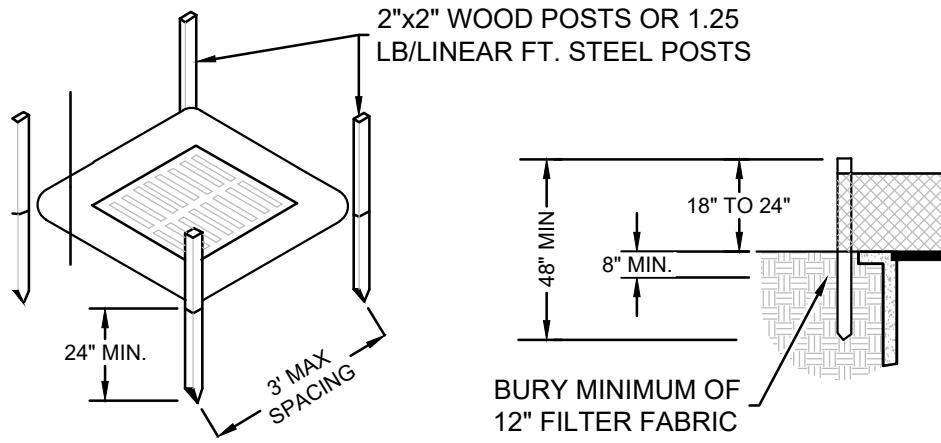


NOTE:
NARROWER AREAS WILL CALL FOR SINGLE ROW SILT FENCE ON PLANS.

1 Turbidity Curtain by AER-FLO
SCALE: NOT TO SCALE

2 Tree Protection Fence
SCALE: NOT TO SCALE

3 Double Row Silt Fence
SCALE: NOT TO SCALE



FILTER FABRIC INLET PROTECTION

- MATERIALS:**
- USE FILTER FABRIC THAT CONFORMS TO SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION). REFER TO THE SILT FENCE GEOTEXTILE FABRICS APPROVAL SHEET #34.
 - USE STEEL POSTS THAT MEET THE FOLLOWING MINIMUM PHYSICAL REQUIREMENTS:
 - BE COMPOSED OF HIGH STRENGTH STEEL WITH MINIMUM YIELD STRENGTH OF 50,000 PSI.
 - HAVE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38-INCHES AND NOMINAL "T" LENGTH OF 1.48-INCHES.
 - WEIGH 1.25 POUNDS PER FOOT (± 8%).
 - BE PAINTED WITH A WATER BASED BAKED ENAMEL PAINT.
 - ATTACH FABRIC TO METAL POSTS WITH HEAVY-DUTY PLASTIC TIES.

INSTALLATION:

- EXCAVATE A TRENCH 6-INCHES WIDE AND 6-INCHES DEEP AROUND THE OUTSIDE PERIMETER OF THE INLET UNLESS THE FABRIC IS PNEUMATICALLY INSTALLED.
- EXTEND THE FILTER FABRIC A MINIMUM OF 12-INCHES INTO THE TRENCH. BACKFILL THE TRENCH WITH SOIL OR CRUSHED STONE AND COMPACT OVER THE FILTER FABRIC UNLESS THE FABRIC IS PNEUMATICALLY INSTALLED.
- USE STEEL POSTS WITH A MINIMUM POST LENGTH OF 60-INCHES CONSISTING OF STANDARD "T" SECTIONS WITH A WEIGHT OF 1.25 POUNDS PER FOOT (±8%). INSTALL THE FILTER FABRIC TO A MINIMUM HEIGHT OF 24-INCHES ABOVE GRADE. SPACE THE STEEL POSTS AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3-FEET APART AND DRIVE THEM INTO THE GROUND A MINIMUM OF 24-INCHES. CUT THE FILTER FABRIC FROM A CONTINUOUS ROLL TO THE LENGTH OF THE PROTECTED AREA TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, WRAP FILTER FABRIC TOGETHER ONLY AT A SUPPORT POST WITH BOTH ENDS SECURELY FASTENED TO THE POST, WITH A MINIMUM 6-INCH OVERLAP.
- ATTACH FABRIC TO STEEL POSTS WITH HEAVY-DUTY PLASTIC TIES.
- ATTACH AT LEAST FOUR (4) EVENLY SPACED TIES IN A MANNER TO PREVENT SAGGING OR TEARING OF THE FABRIC. IN ALL CASES, AFFIX TIES IN NO LESS THAN FOUR (4) PLACES.

INSPECTION AND MAINTENANCE:

- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK, WITH NO TIME PERIOD BETWEEN INSPECTIONS EXCEEDING 9 DAYS, AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE. IT IS RECOMMENDED THAT BMPS BE ASSESSED BY THE CONTRACTOR WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 1.0 INCH OR GREATER, AS WELL AS DURING THE FIRST RAIN EVENT AFTER THE INITIATION OF CONSTRUCTION ACTIVITIES, AFTER THE INSTALLATION OF BMPS.
- IF THE FABRIC BECOMES CLOGGED, IT SHOULD BE REPLACED. SEDIMENT SHOULD BE REMOVED WHEN IT REACHES APPROXIMATELY 1/3 THE HEIGHT OF THE FENCE. TAKE CARE NOT TO DAMAGE OR UNDERCUT FABRIC WHEN REMOVING SEDIMENT. IF A SUMP IS USED, SEDIMENT SHOULD BE REMOVED WHEN IT FILLS APPROXIMATELY 1/3 THE DEPTH OF THE HOLE. MAINTAIN THE POOL AREA, ALWAYS PROVIDING ADEQUATE SEDIMENT STORAGE VOLUME FOR THE NEXT STORM.
- STORM DRAIN INLET PROTECTION STRUCTURES SHOULD BE REMOVED ONLY AFTER THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE DROP INLET STRUCTURE CREST. USE APPROPRIATE PERMANENT STABILIZATION METHODS TO STABILIZE BARE AREAS AROUND THE INLET.

South Carolina Department of Health and Environmental Control	
TYPE A - FILTER FABRIC INLET PROTECTION	
STANDARD DRAWING NO.	SC-07
APPROVED BY	SCDHEC
	AUGUST 2005

4 Type A Inlet Protection
SCALE: NTS

SW

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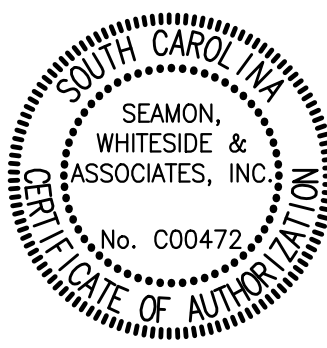
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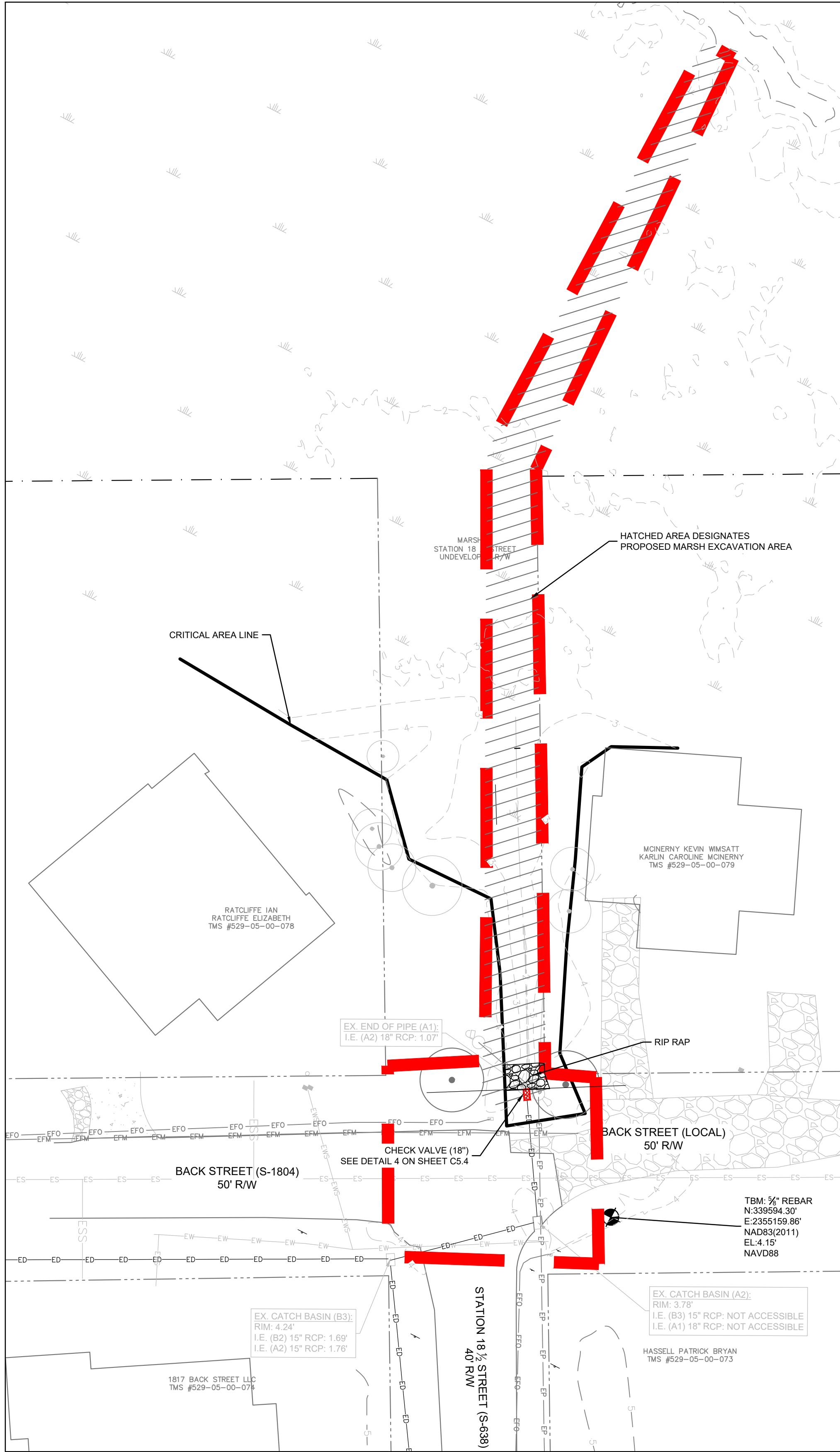
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DATE: 01/27/2026
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CHECKED BY: RCP/AA

REVISION HISTORY

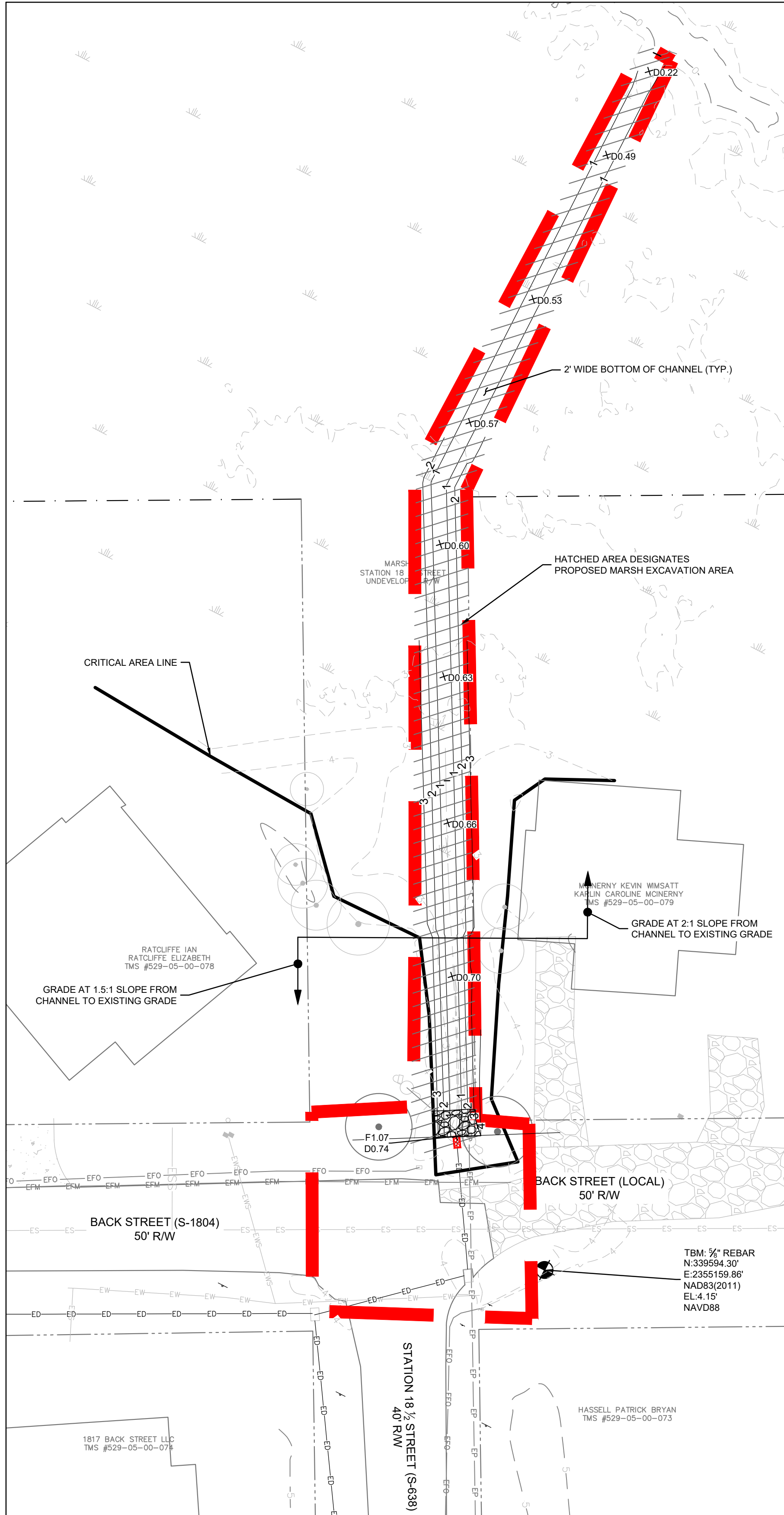
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SWPPP
DETAILS

501 WANDO PARK BOULEVARD, SUITE 200, MOUNT PLEASANT, SC 29464 | JUDSONVILLE BUILDING 6000, 701 EASLEY DRIVE, SUITE 6000, GREENVILLE, SC 29611 | 201 PETERSON DRIVE, CHARLOTTE, NC 28207 | 101 N. CEDAR STREET, SUMMERVILLE, SC 29586 | 223 S. WEST STREET #600, RALEIGH, NC 27603
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DRAINAGE PLAN



GRADING PLAN

LEGEND

NEW STORM LINE

NEW WATER LINE

NEW SEWER LINE

EXISTING STORM LINE

EXISTING WATER LINE

EXISTING SEWER LINE

EXISTING WATER SERVICE

EXISTING SEWER SERVICE

EXISTING STORM LINE MISSING (SURVEY)

10 YEAR HGL

JUNCTION BOX

CATCH BASIN

CONFLICT BOX

CONFLICT BOX WITH GRATE INLET

LIMITS OF DISTURBANCE

SPOT ELEVATION KEY (FINISHED GRADING)

D - (DIRT) FINISHED GROUND ELEVATION

F - (FLOW) ELEVATION AT WHICH SURFACE WATER FLOWS INTO/OUT OF DRAINAGE STRUCTURE

EXAMPLE: D12.56 MEANS THAT THE SURFACE OF NEW DIRT FINISHED GRADE IS TO BE AT ELEVATION 12.56

GRADING PLAN NOTES:

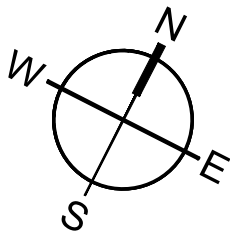
1. FOR PROJECT SURVEY INFORMATION INCLUDING VERTICAL DATUM AND BENCHMARK LOCATIONS, SEE "PROJECT SURVEY INFORMATION AND CONTRACTOR VERIFICATION REQUIREMENTS" ON SHEET C1.0.

2. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO TOPOGRAPHIC, TREE, STORM DRAINAGE FACILITIES, AND ALL UTILITIES. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ENGINEER. THEREFORE, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT VERTICAL AND HORIZONTAL LOCATIONS OF ALL EXISTING UTILITIES. ANY DISCREPANCIES OR CONFLICTS IDENTIFIED DURING VERIFICATION OF EXISTING CONDITIONS AND UTILITIES SHALL BE REPORTED TO THE OWNER AND ENGINEER. ANY COSTS ASSOCIATED WITH CORRECTIVE WORK OR DAMAGES THAT ARE A RESULT OF THE CONTRACTOR NOT VERIFYING EXISTING CONDITIONS AND THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WILL BE THE CONTRACTOR'S RESPONSIBILITY.

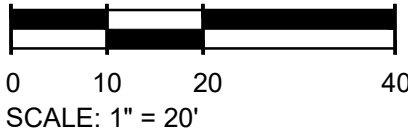
3. REFER TO THE "SPOT ELEVATION KEY" FOR INFORMATION ON SPOT ELEVATIONS.

4. COORDINATE WITH THE OWNER AND THE ENGINEER FOR LOT FILL COMPACTION AND TESTING REQUIREMENTS.

5. CONTRACTOR TO SELF-VERIFY THAT SITE GRADES, PONDS, POND DIKES, DRAINAGE PIPES, AND DRAINAGE STRUCTURES ARE CONSTRUCTED PER THE PLANS PRIOR TO REQUESTING FINAL AS-BUILT SURVEY FROM SURVEYOR.



Know what's below.
Call before you dig.



SW

SEAMON WHITESIDE

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864.298.0534

SUMMERVILLE, SC

843.972.0710

SPARTANBURG, SC

864.272.1272

CHARLOTTE, NC

980.312.5450

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980.312.5450

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PLAN SETS ARE INTENDED TO BE VIEWED AND PRINTED IN COLOR



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HMGP 4492 - PHASE 1 IMPROVEMENTS
TOWN OF SULLIVAN'S ISLAND
SULLIVAN'S ISLAND, SC

PERMIT SET
(NOT FOR CONSTRUCTION)

SW+ PROJECT: 12650

DATE: 01/27/2026

DRAWN BY: KBH

CHECKED BY: RCP/AA

REVISION HISTORY

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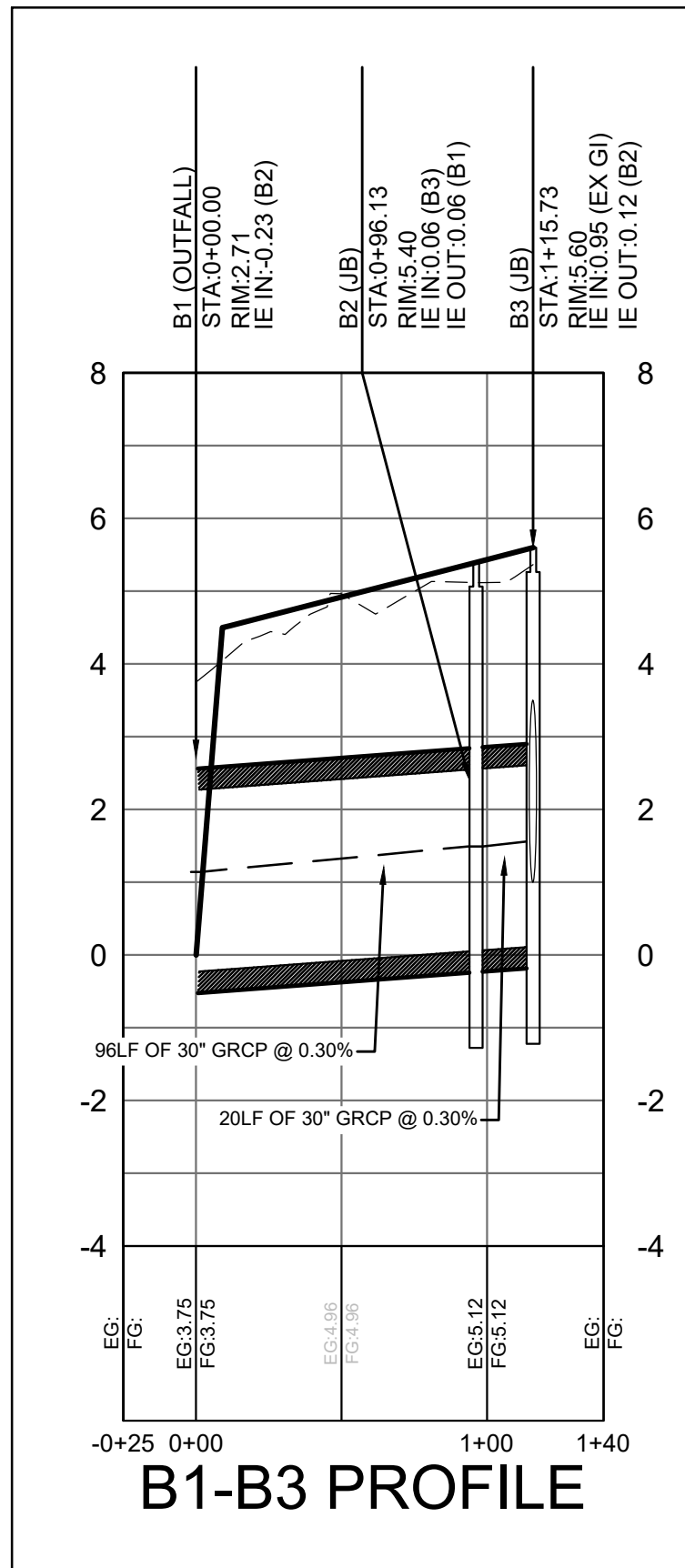
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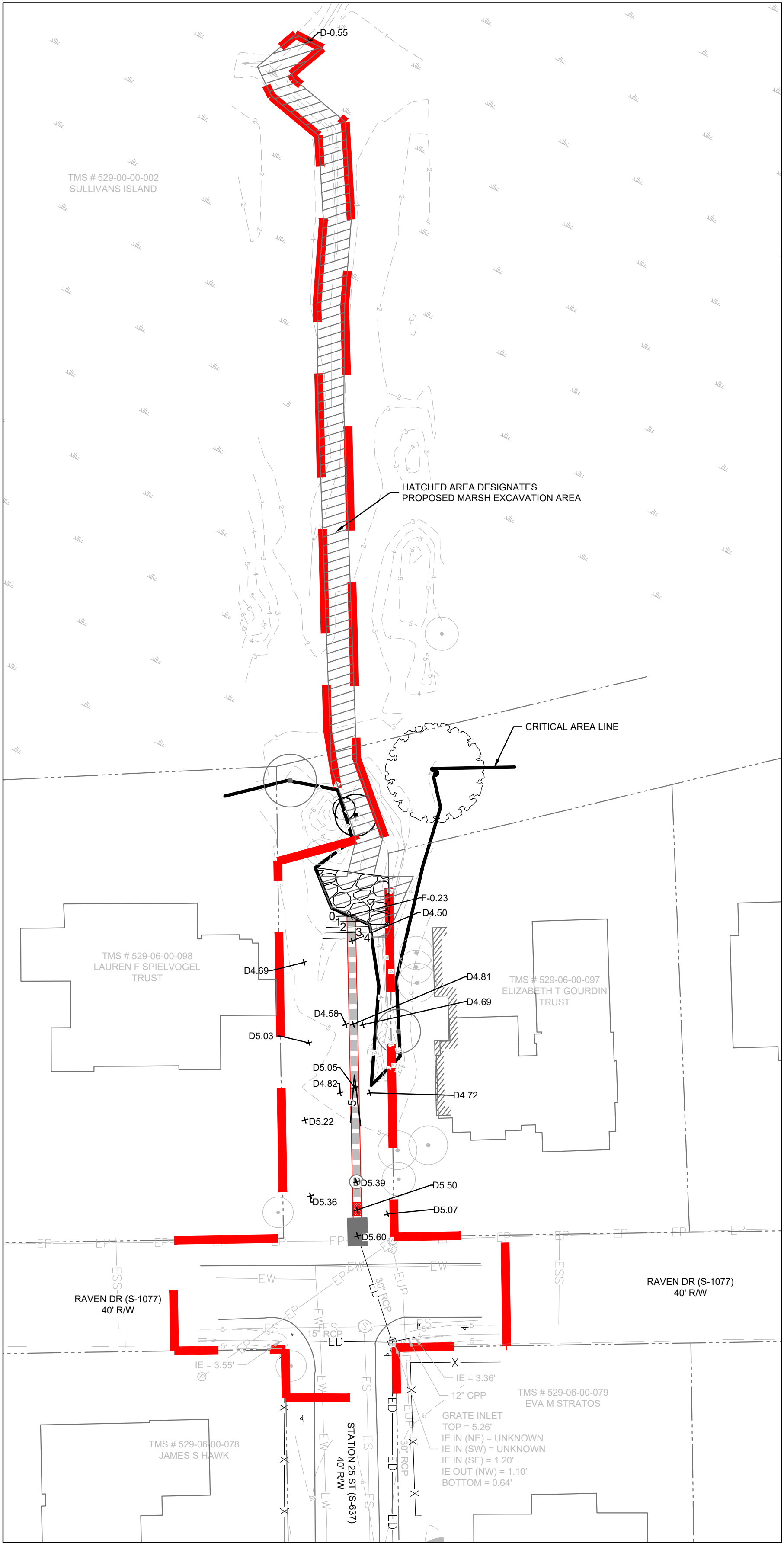
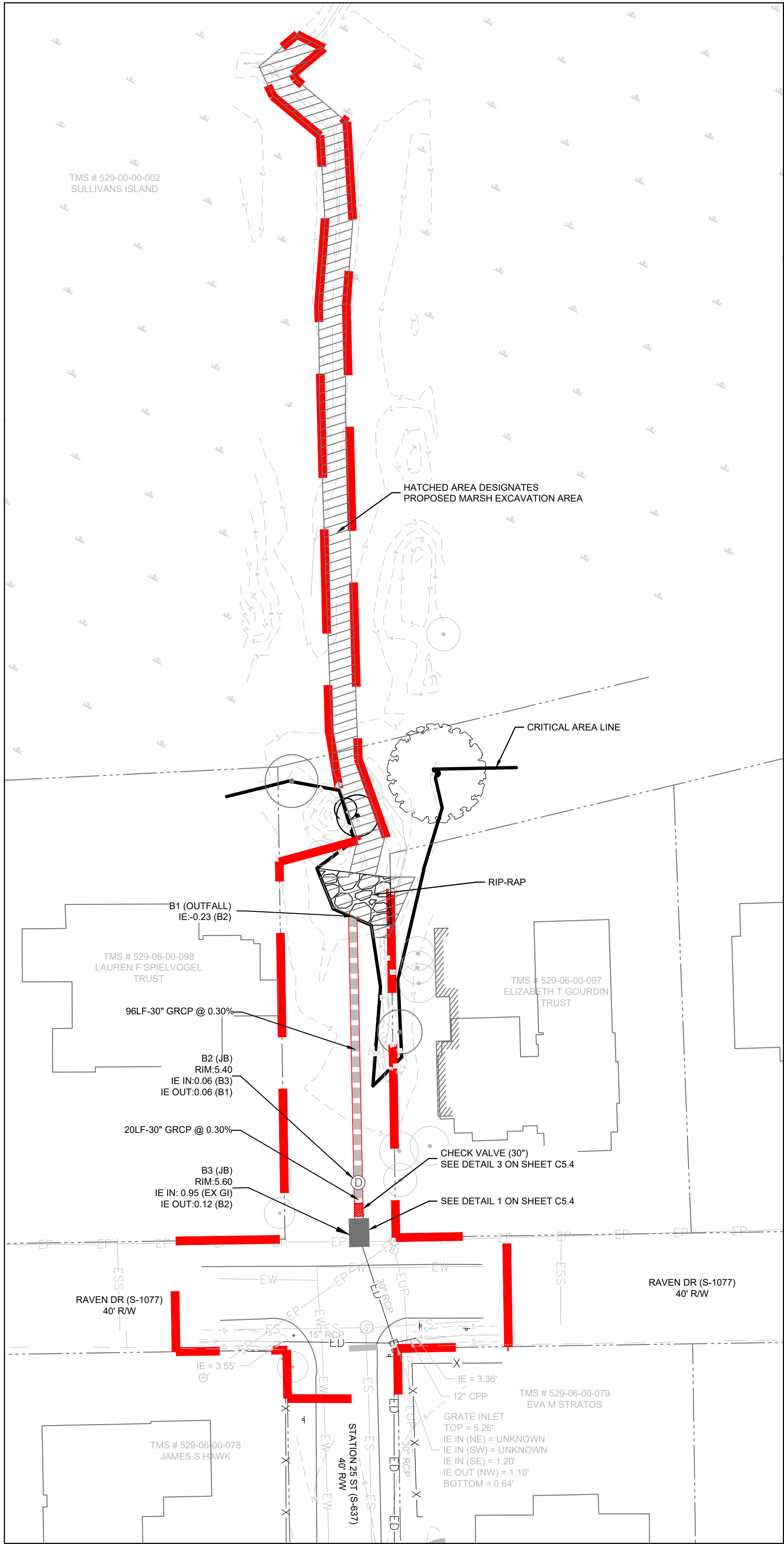
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DRAINAGE AND GRADING PLANS - STATION 18.5

C4.0



- NOTES:**
- UTILITY CONFLICTS ON PROFILES DEPICTED AT EXISTING ELEVATION. SEE UTILITY RELOCATION SHEETS FOR CONFLICT RESOLUTION INFORMATION.
 - ALL OPEN PIPE ENDS NOT CONNECTED TO A STRUCTURE SHALL BE BEVELED AND CONFORMED TO SLOPE PER DETAIL.



LEGEND

- NEW STORM LINE
- NEW WATER LINE
- NEW SEWER LINE
- EXISTING STORM LINE
- EXISTING WATER LINE
- EXISTING SEWER LINE
- EXISTING WATER SERVICE
- EXISTING SEWER SERVICE
- EXISTING STORM LINE MISSING (SURVEY)
- 10 YEAR HGL
- JUNCTION BOX
- CATCH BASIN
- CONFLICT BOX
- CONFLICT BOX WITH GRATE INLET
- LIMITS OF DISTURBANCE

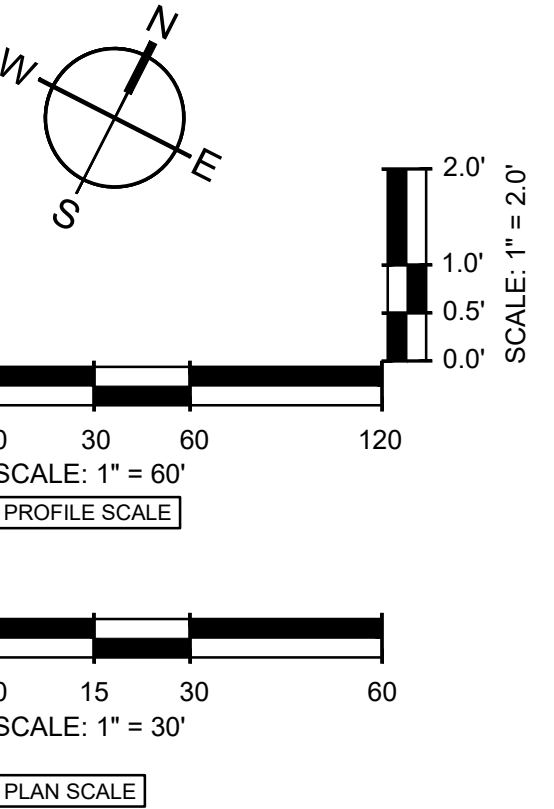
SPOT ELEVATION KEY (FINISHED GRADING)

D - (DIRT) FINISHED GROUND ELEVATION
F - (FLOW) ELEVATION AT WHICH SURFACE WATER FLOWS INTO/OUT OF DRAINAGE STRUCTURE

EXAMPLE: D12.56 MEANS THAT THE SURFACE OF NEW DIRT FINISHED GRADE IS TO BE AT ELEVATION 12.56

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- FOR PROJECT SURVEY INFORMATION INCLUDING VERTICAL DATUM AND BENCHMARK LOCATIONS, SEE "PROJECT SURVEY INFORMATION AND CONTRACTOR VERIFICATION REQUIREMENTS" ON SHEET C1.0.
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- REFER TO THE "SPOT ELEVATION KEY" FOR INFORMATION ON SPOT ELEVATIONS.
- COORDINATE WITH THE OWNER AND THE ENGINEER FOR LOT FILL COMPACTION AND TESTING REQUIREMENTS.
- CONTRACTOR TO SELF-VERIFY THAT SITE GRADES, PONDS, POND DIKES, DRAINAGE PIPES, AND DRAINAGE STRUCTURES ARE CONSTRUCTED PER THE PLANS PRIOR TO REQUESTING FINAL AS-BUILT SURVEY FROM SURVEYOR.



SW SEAMON WHITESIDE

MOUNT PLEASANT, SC 29464
GREENVILLE, SC 29611
SUMMERVILLE, SC 29586
SPARTANBURG, SC 29306
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HMGP 4492 - PHASE 1 IMPROVEMENTS
TOWN OF SULLIVAN'S ISLAND
SULLIVAN'S ISLAND, SC

PERMIT SET
(NOT FOR CONSTRUCTION)

SW+ PROJECT: 12650
DATE: 01/27/2026
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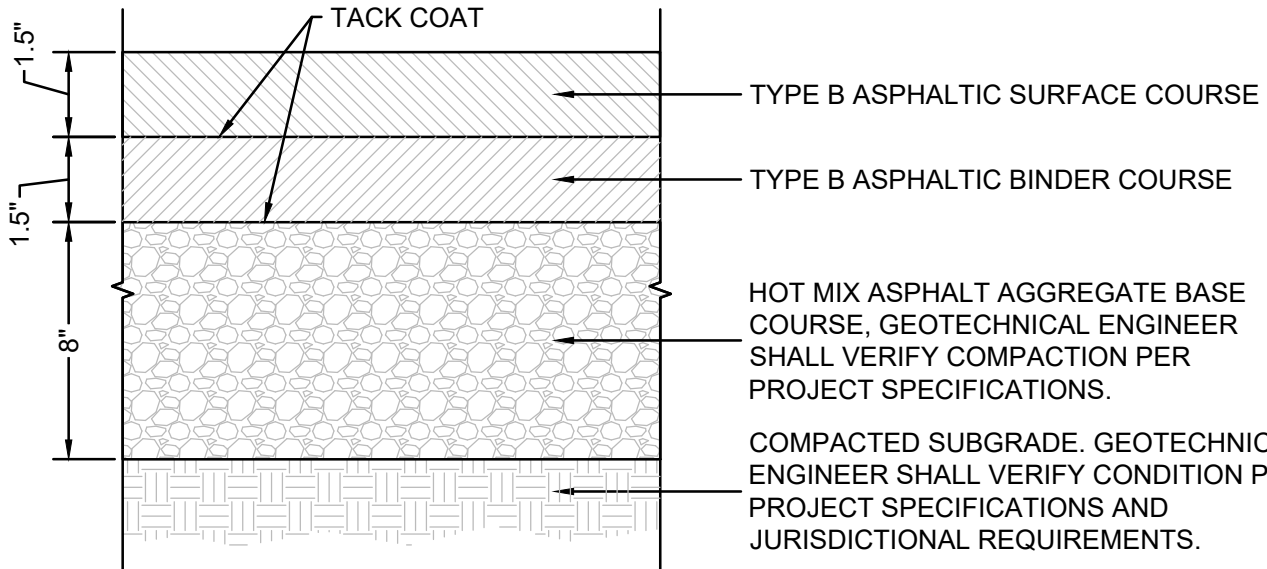
REVISION HISTORY

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DRAINAGE AND GRADING PLANS - STATION 25

C4.1

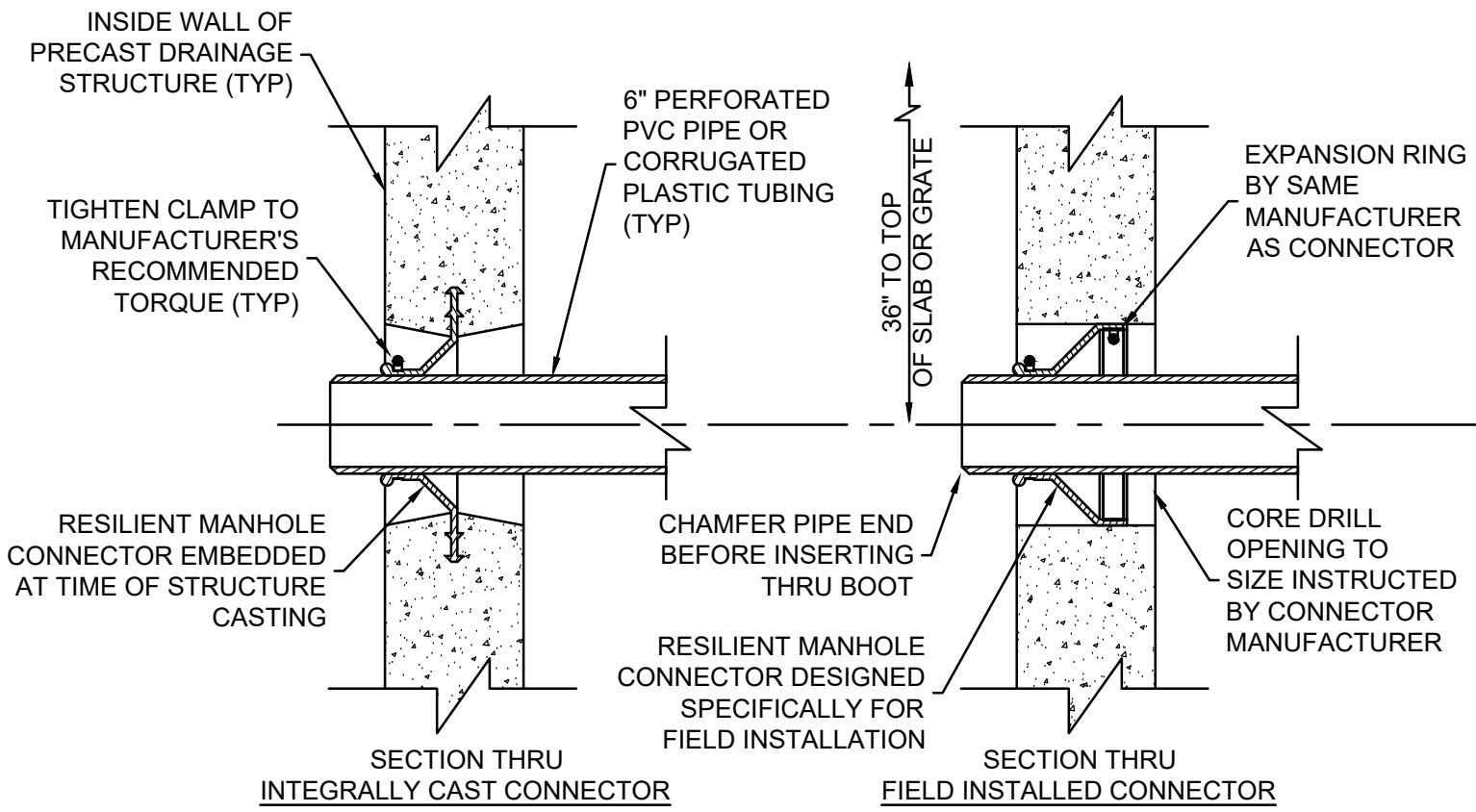
ITEM:	MATERIAL:	SCDOT SPECIFICATION SECTION:
SUBGRADE	PREPARED IN-SITU SUBSOIL OR STRUCTURAL FILL	SECTION 208
BASE COURSE	HOT MIX ASPHALT AGGREGATE BASE COURSE (TYPE A)	SECTION 310
TACK COAT	ASPHALT BINDER OR EMULSIFIED ASPHALT	SECTION 401
INTERMEDIATE (BINDER) COURSE	HOT MIX ASPHALT INTERMEDIATE COURSE (TYPE B)	SECTION 402
SURFACE COURSE	HOT MIX ASPHALT SURFACE COURSE (TYPE B)	SECTION 403



- PAVING NOTES:
- SUBGRADE, BASE COURSE, BINDER AND PAVEMENT CONSTRUCTION METHODS SHALL MEET THE MINIMUM REQUIREMENTS OF THE SCDOT "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION", LATEST EDITION.
 - SEE SITE MATERIALS PLAN FOR LOCATION OF PROPOSED SURFACES.
 - THIS PAVEMENT SECTION ONLY APPLIES TO PROPOSED ASPHALT PAVEMENT WITHIN THE SCDOT RIGHT-OF-WAY.
 - SEE REFERENCED SCDOT STANDARD SPECIFICATION SECTIONS FOR MATERIAL, EQUIPMENT, AND CONSTRUCTION REQUIREMENTS.
 - SWA, INC. MAKES NO WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE PERFORMANCE OF THE DEPICTED PAVEMENT SECTION DESIGN. REFER TO THE GEOTECHNICAL ENGINEER FOR PAVEMENT DESIGN SECTIONS

1 SCDOT Asphalt Pavement Section Detail

SCALE: NOT TO SCALE



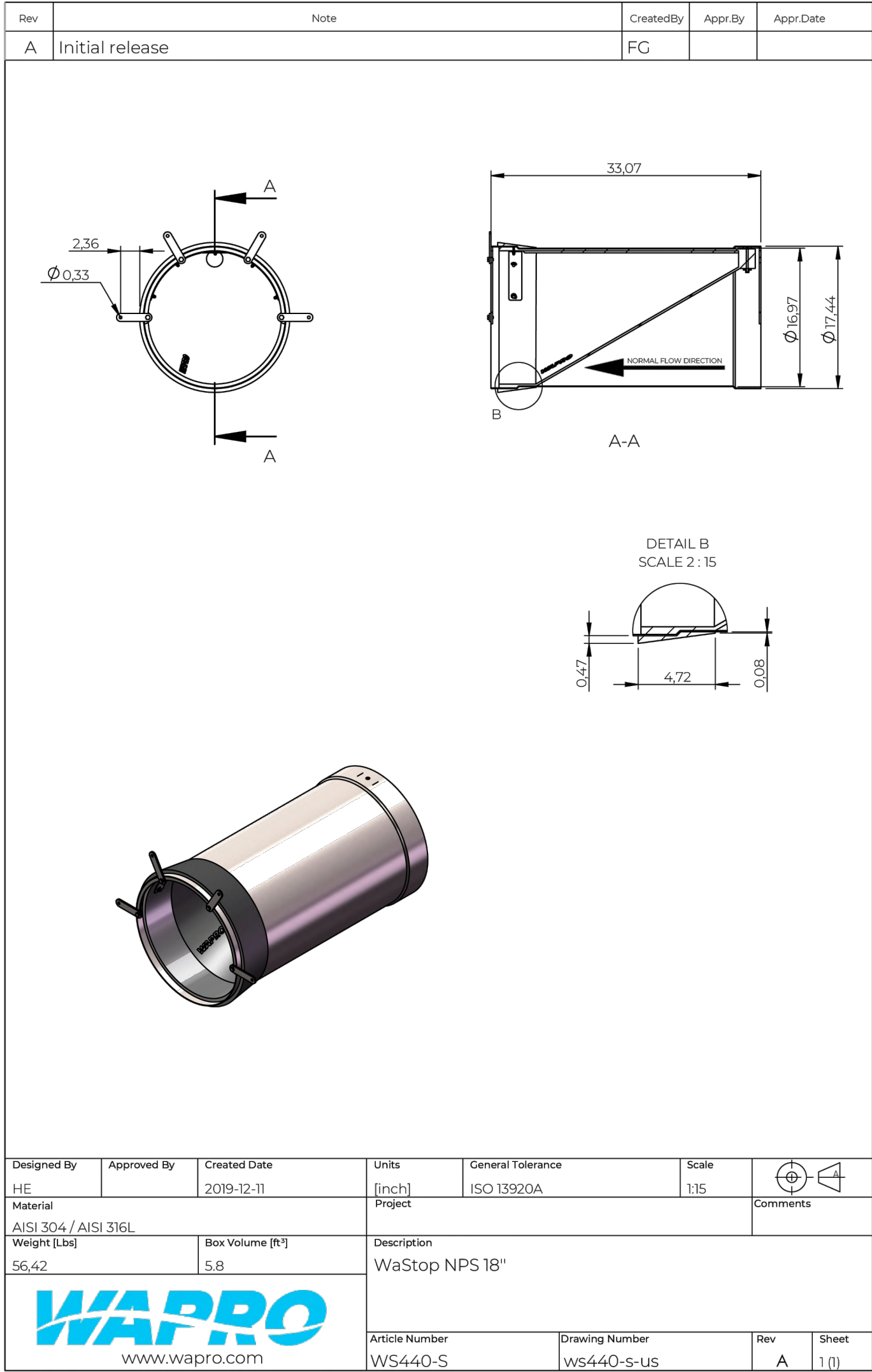
- NOTES:
- CONNECTORS SHALL MEET OR EXCEED ASTM C-923.
 - CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
 - SUBDRAINS SHALL BE CAPPED, GROUT FILLED, AND ABANDONED PRIOR TO FINAL PAVING.

4 Subdrain Connector at Drainage Structure Detail

SCALE: NOT TO SCALE



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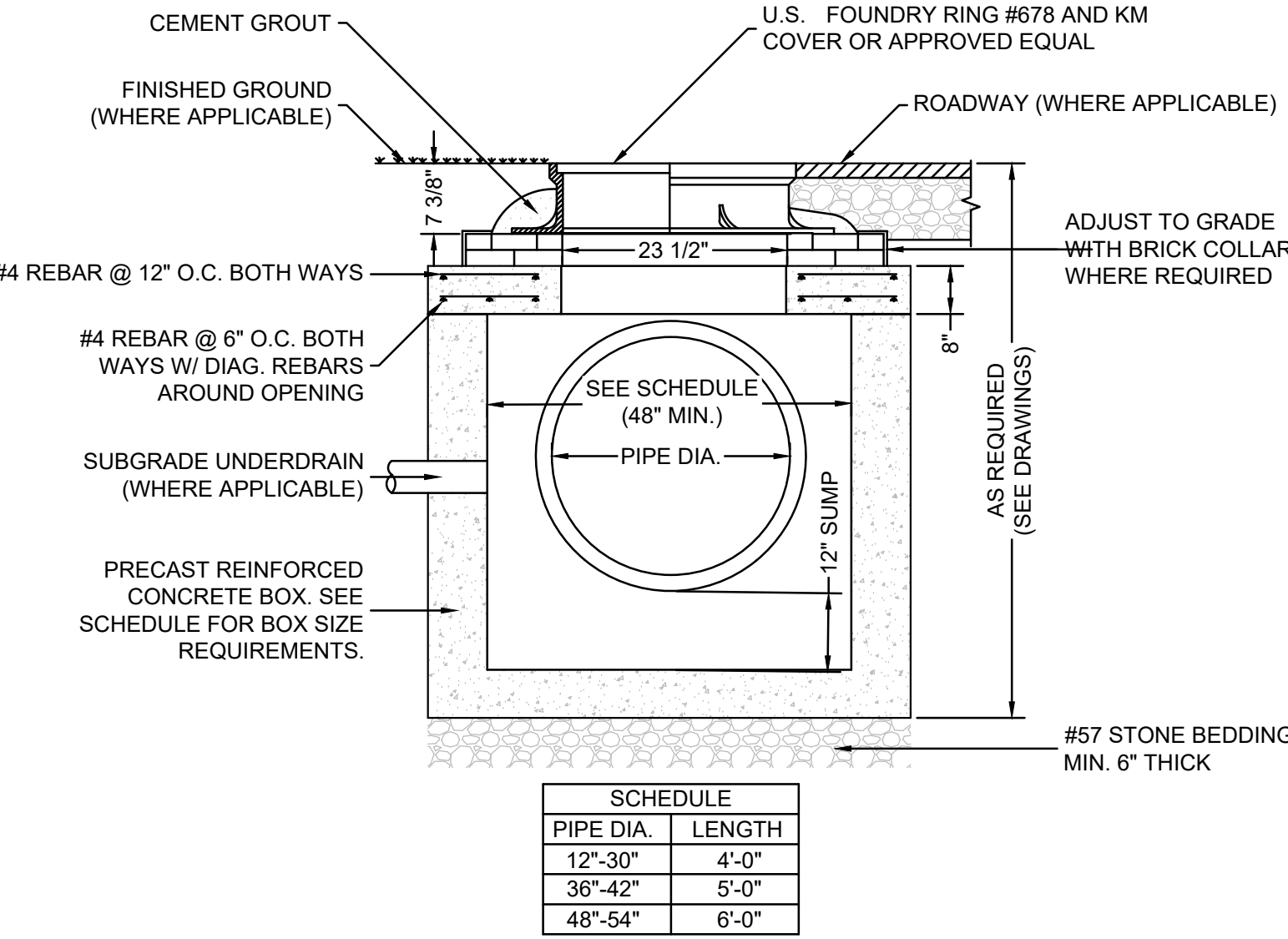
5 18" Wapro WaStop Inline Check Valve

SCALE: NOT TO SCALE

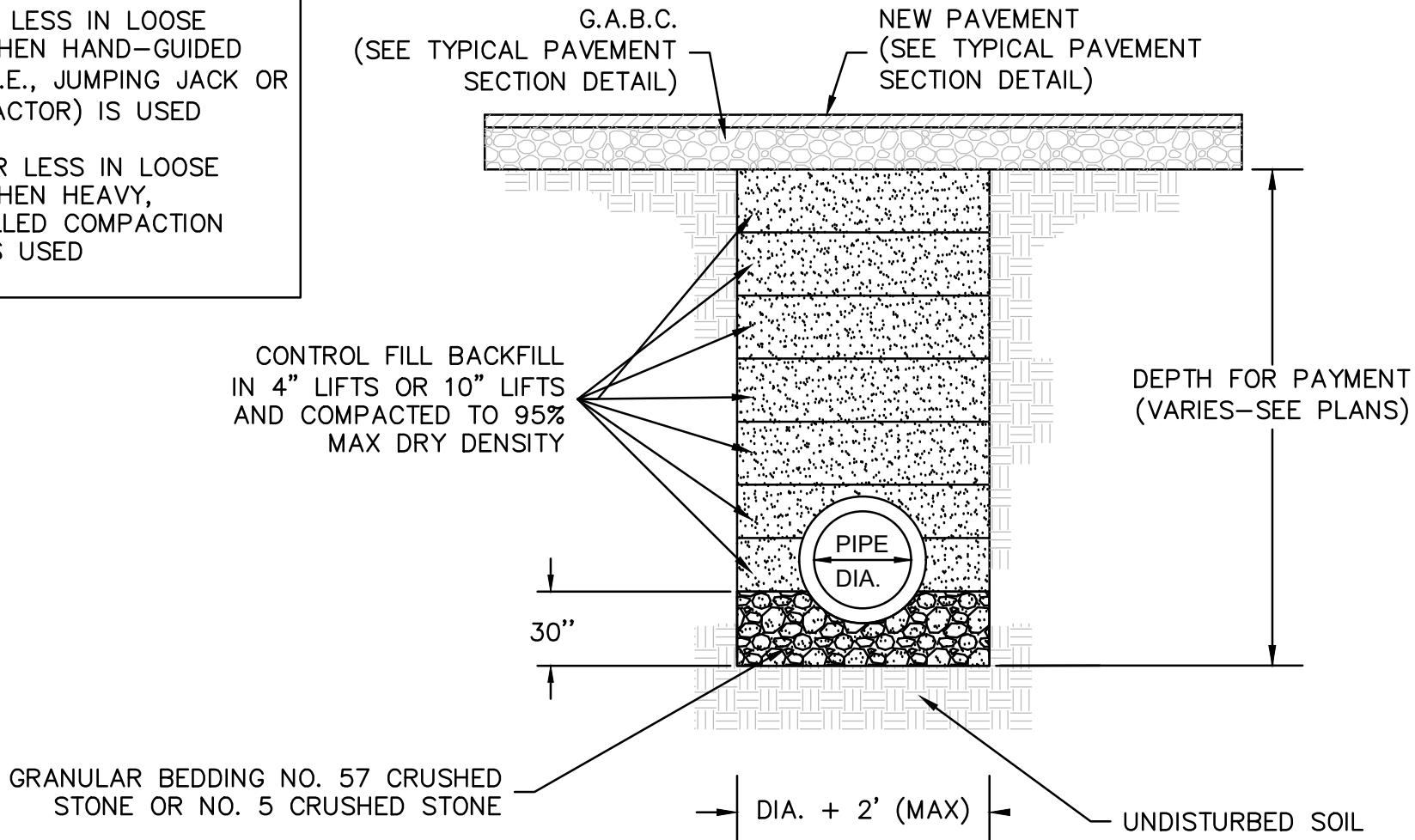
- NOTES:
- BRICK COLLAR SHALL BE COATED WITH 1/2" THICK MORTAR INSIDE AND OUTSIDE.
 - STRUCTURES SHALL COMPLY IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS AND SPECIFICATIONS.

2 Junction Box with Sump Detail

SCALE: NOT TO SCALE

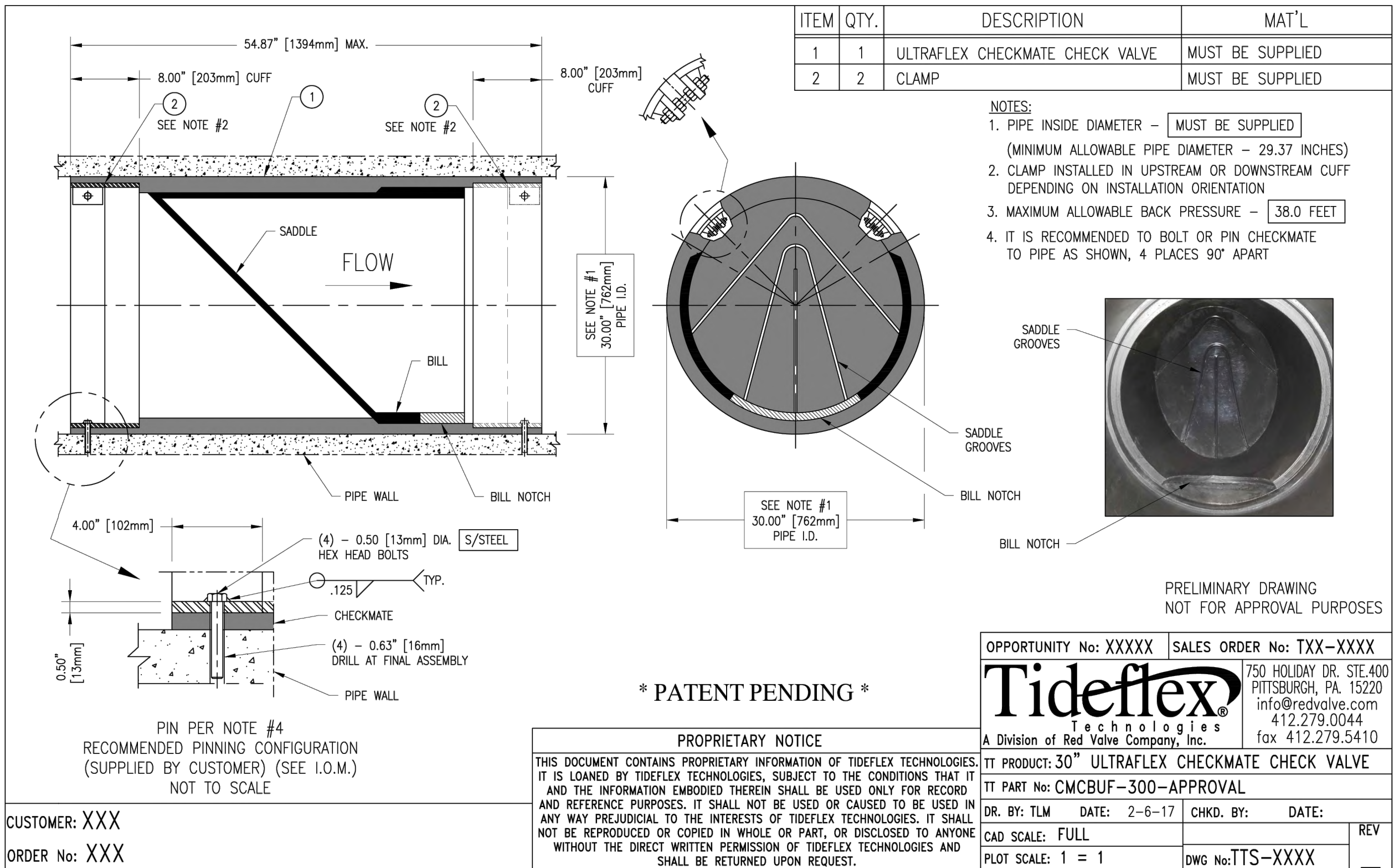


- LIFT NOTE:
- 4 INCHES OR LESS IN LOOSE THICKNESS WHEN HAND-GUIDED EQUIPMENT (I.E., JUMPING JACK OR PLATE COMPACTOR) IS USED
 - 10 INCHES OR LESS IN LOOSE THICKNESS WHEN HEAVY, SELF-PROPELLED COMPACTION EQUIPMENT IS USED



3 Storm Drainage Pipe Trench Detail

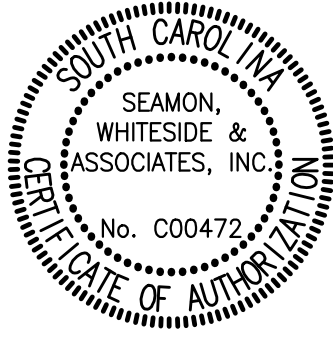
SCALE: NOT TO SCALE



6 30" Tide Flex Checkmate Inline Check Valve

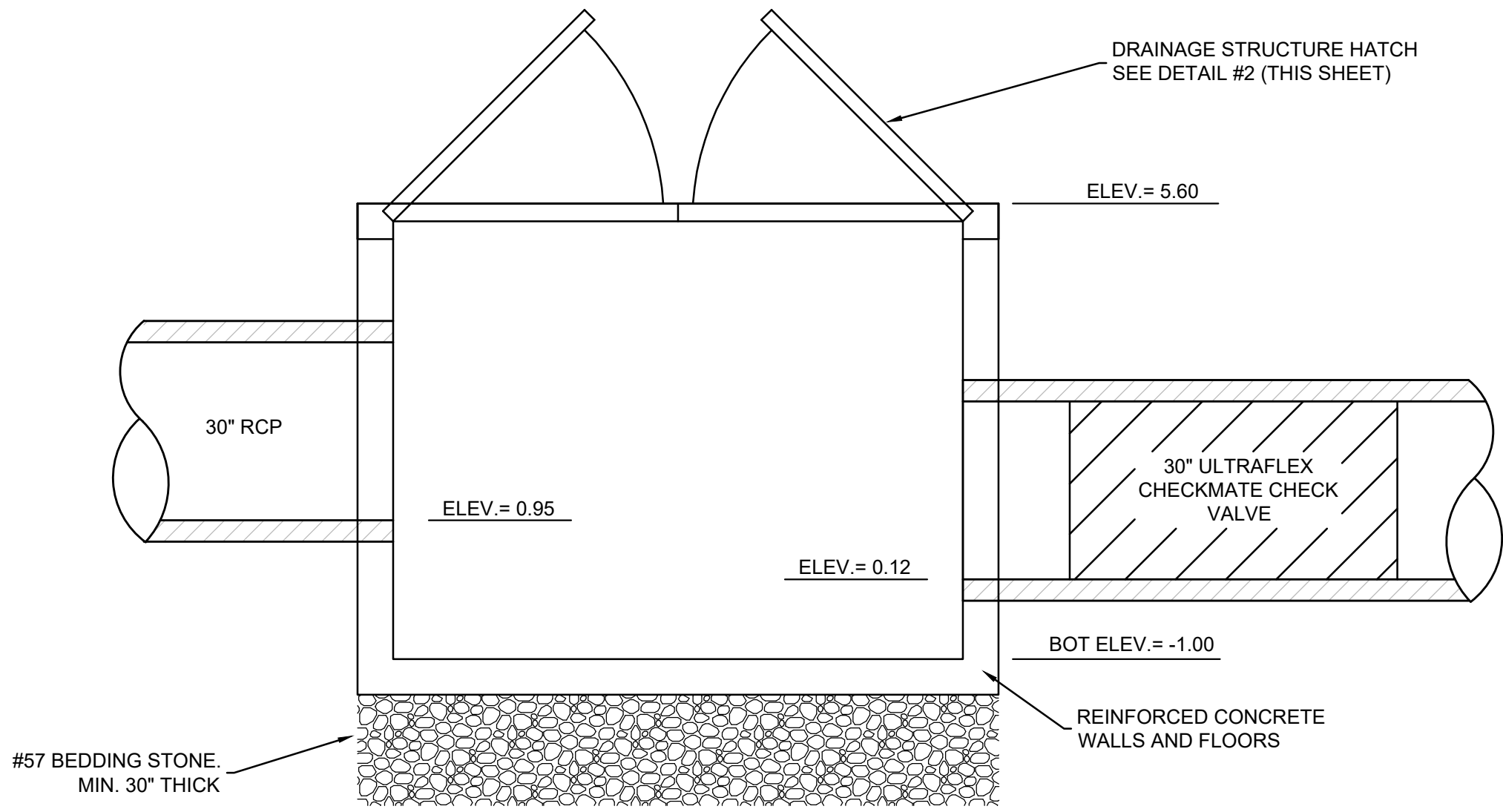
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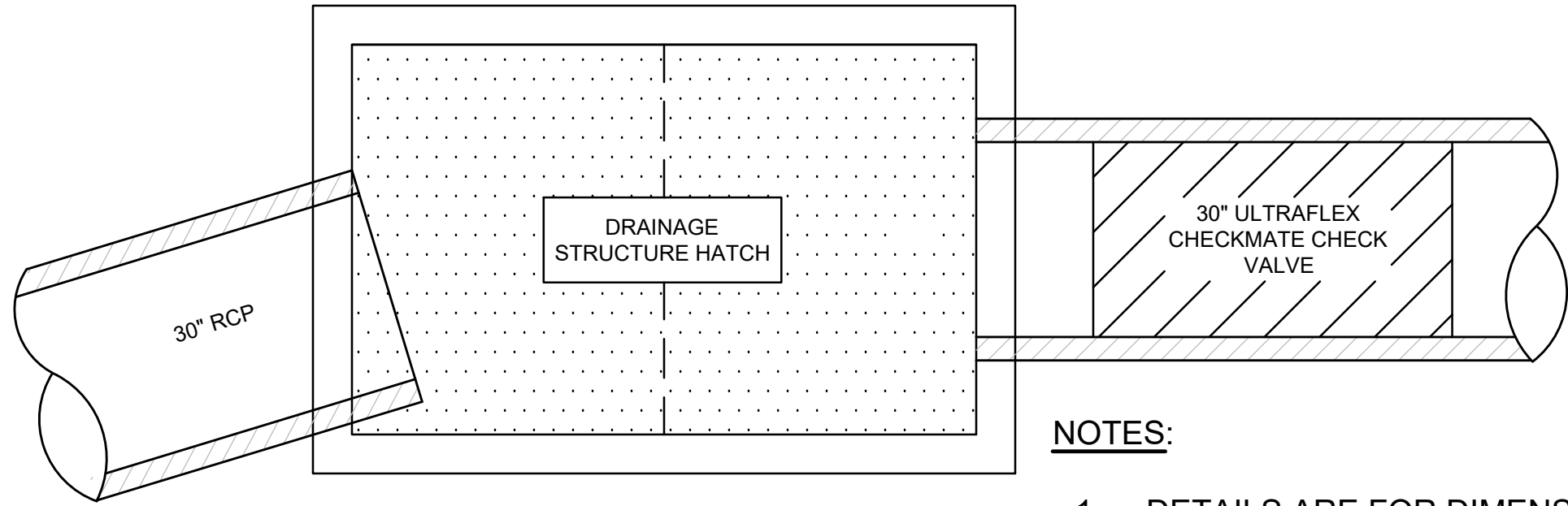


NOT FOR CONSTRUCTION

501 WANDO PARK BOULEVARD, SUITE 200, MOUNT PLEASANT, SC 29464 | JUDSONVILLE BUILDING 600, 701 EASLEY BRIDGE RD, SUITE 600, GREENVILLE, SC 29611 | 2301 PETERSON DR., CHARLOTTE, NC 28017 | 1710 N. CEDAR STREET, SUMMERVILLE, SC 29583 | 150 N. DANIEL MORGAN AVENUE, SUITE 300, SPARTANBURG, SC 29306 | 223 S. WEST ST. #600, RALEIGH, NC 27603
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BOX SECTION

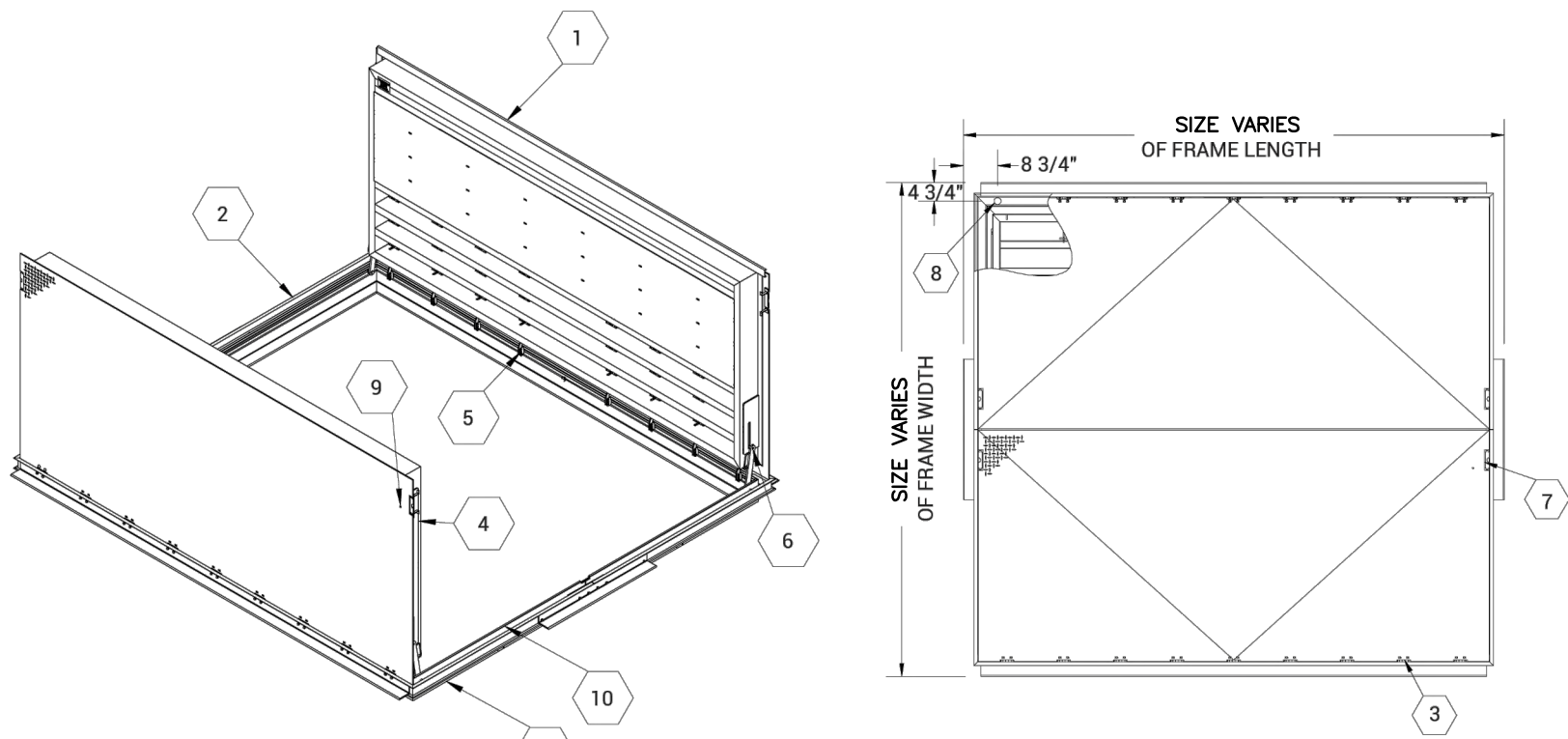


PLAN VIEW

NOTES:

1. DETAILS ARE FOR DIMENSIONAL ORIENTATION PURPOSES ONLY.
2. STRUCTURAL BOX DETAILS (E.G, REBAR SIZE/SPACING, CONCRETE THICKNESS/PRESSURE RATING, ETC.) TO BE DESIGNED AND SPECIFIED BY PRECAST MANUFACTURER
3. STEPS ARE TO BE DESIGNED AND SPECIFIED BY PRECAST MANUFACTURER.

2 Large Drainage Structure Hatch Detail
SCALE: NOT TO SCALE



HATCH STRUCTURE SIZE:

JUNCTION BOX B3
• (8' X 5') OR (96" X 60")

HATCH SPECIFICATION NOTES:

- **DOOR:** DOUBLE DOOR (H20 TRAFFIC LOAD RATING)
- **MATERIAL:** ALUMINUM: ¼ INCH MILL FINISH
- **FRAME:** DRAINABLE GUTTER FRAME WITH 1" ANCHOR FLANGE, EPDM GASKET WITH 1-½" DRAINAGE COUPLING
- **INSTALLATION:** CAST-IN
- **SPRING:** ENCLOSED COIL, TYPE 17-7 STAINLESS STEEL
- **HINGE:** HEAVY-DUTY TYPE 316 STAINLESS STEEL
- **ASSISTANCE:** HOLD-OPEN ARMS; TYPE 316 STAINLESS STEEL
- **LATCH:** SLAM LATCH TYPE 316 STAINLESS STEEL WITH INSIDE LEVER HANDLE, INCLUDES REMOVABLE THREADED PLUG KEY
- **FINISH:** MILL FINISH WITH GREY PRIMER

REVISION HISTORY

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501 WANDO PARK BOULEVARD, SUITE 200, MOUNT PLEASANT, SC 29464 | JUDSONVILLE BUILDING 600, 701 EAST F STREET, SUITE 200, GREENVILLE, SC 29611 | 1201 PETERSON DR., CHARLOTTE, NC 28217 | 1710 CEDAR STREET, SUMMERVILLE, SC 29585 | 1501 N. DANIEL MORGAN AVENUE, SUITE 300, SPARTANBURG, SC 29306 | 223 S. WEST ST. #600, RALEIGH, NC 27603

REFERENCES

NATIONAL DOCUMENTS
USDA NRCS ENGINEERING FIELD MANUAL

SCDOT DOCUMENTS
WQM

RELATED DRAWINGS & KEYWORDS

SEAL

SOUTH CAROLINA PROFESSIONAL ENGINEER
NO. 21242
JAMES W. KENDALL, JR.

SIGNATURE
11/18/2016
DATE

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DATE

CHK

DESCRIPTION

SCDOT

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
OUTLET PROTECTION
WITH NO DEFINED CHANNEL

804-305-01
EFFECTIVE LITING DATE | JULY 2017
THIS DRAWING IS NOT TO SCALE

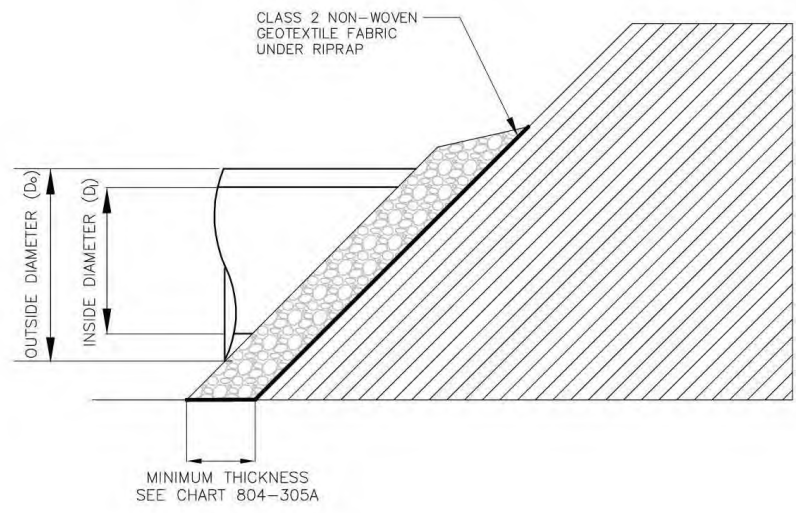
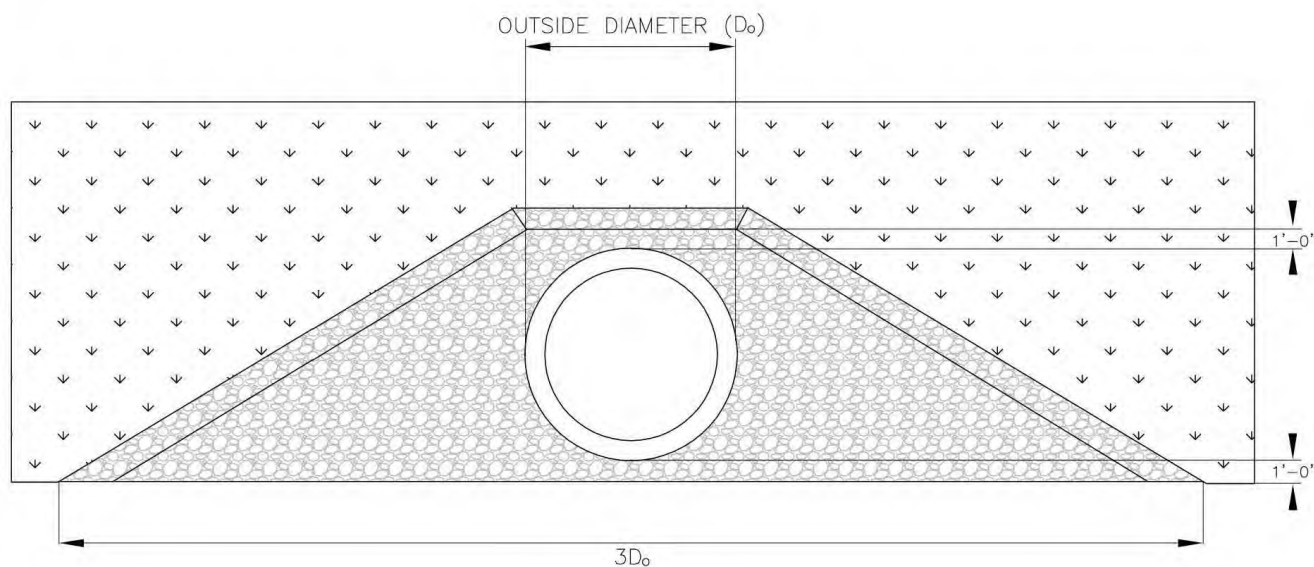


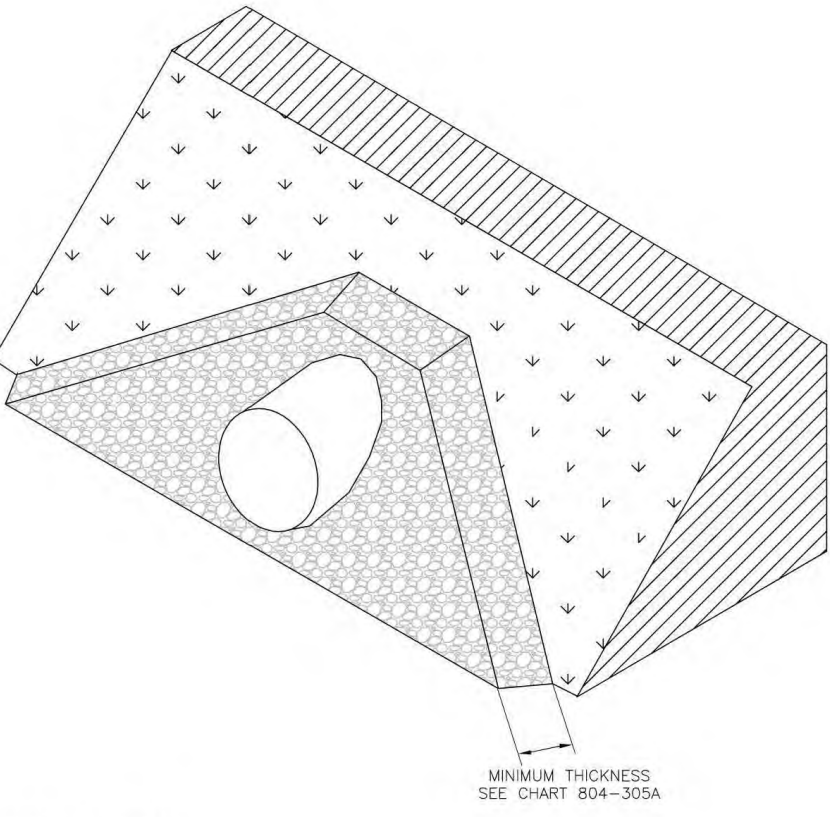
CHART 804-305A SLOPE STABILIZATION RIPRAP PLACEMENT WITH MINIMUM TAILWATER				
MINIMUM CLASS*	D ₅₀ (FT)	MINIMUM THICKNESS (FT)	OUTSIDE PIPE DIAMETER	
A	0.50	1.00	UP TO 24"	
B	0.75	1.50	UP TO 84"	
C	1.30	2.60	LARGER THAN 84"	

*WHEN RIPRAP APRON IS PRESENT, USE SAME CLASS OF RIPRAP ON SLOPE AS SPECIFIED FOR APRON. SEE DRAWING # 804-305-03 OR PLANS FOR APRON RIPRAP SPECIFICATIONS.

NOTES:

- DESIGN OUTLET PROTECTION IN ACCORDANCE WITH THE SCDOT WATER QUALITY MANUAL.
- OUTLET PROTECTION WILL HAVE A WIDTH THREE TIMES THE OUTSIDE DIAMETER OF THE OUTLET PIPE AT TOE OF SLOPE.
- ADVANCE OUTLET PROTECTION UP THE SLOPE A MINIMUM OF 1 FOOT ABOVE TOP OF PIPE.
- SEE DRAWINGS # 804-305-02 AND 804-305-03 FOR RIPRAP APRON DIMENSIONS.
- THE PAY ITEMS MAY INCLUDE:

2031000	UNCLASSIFIED EXCAVATION	_____	CY
8041010	RIPRAP (CLASS A)	_____	TON
8041020	RIPRAP (CLASS B)	_____	TON
8041030	RIPRAP (CLASS C)	_____	TON
8042800	GEOTEXTILE FABRIC FOR EROSION CONTROL UNDER RIPRAP (CLASS 2)	_____	SY
8151151	TURF REINFORCEMENT MATTING (TRM) TYPE 1	_____	SY
8151152	TURF REINFORCEMENT MATTING (TRM) TYPE 2	_____	SY
8151153	TURF REINFORCEMENT MATTING (TRM) TYPE 3	_____	SY



REFERENCES

NATIONAL DOCUMENTS
USDA NRCS ENGINEERING FIELD MANUAL

SCDOT DOCUMENTS
WQM

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
OUTLET PROTECTION
WITH DEFINED CHANNEL

804-310-00
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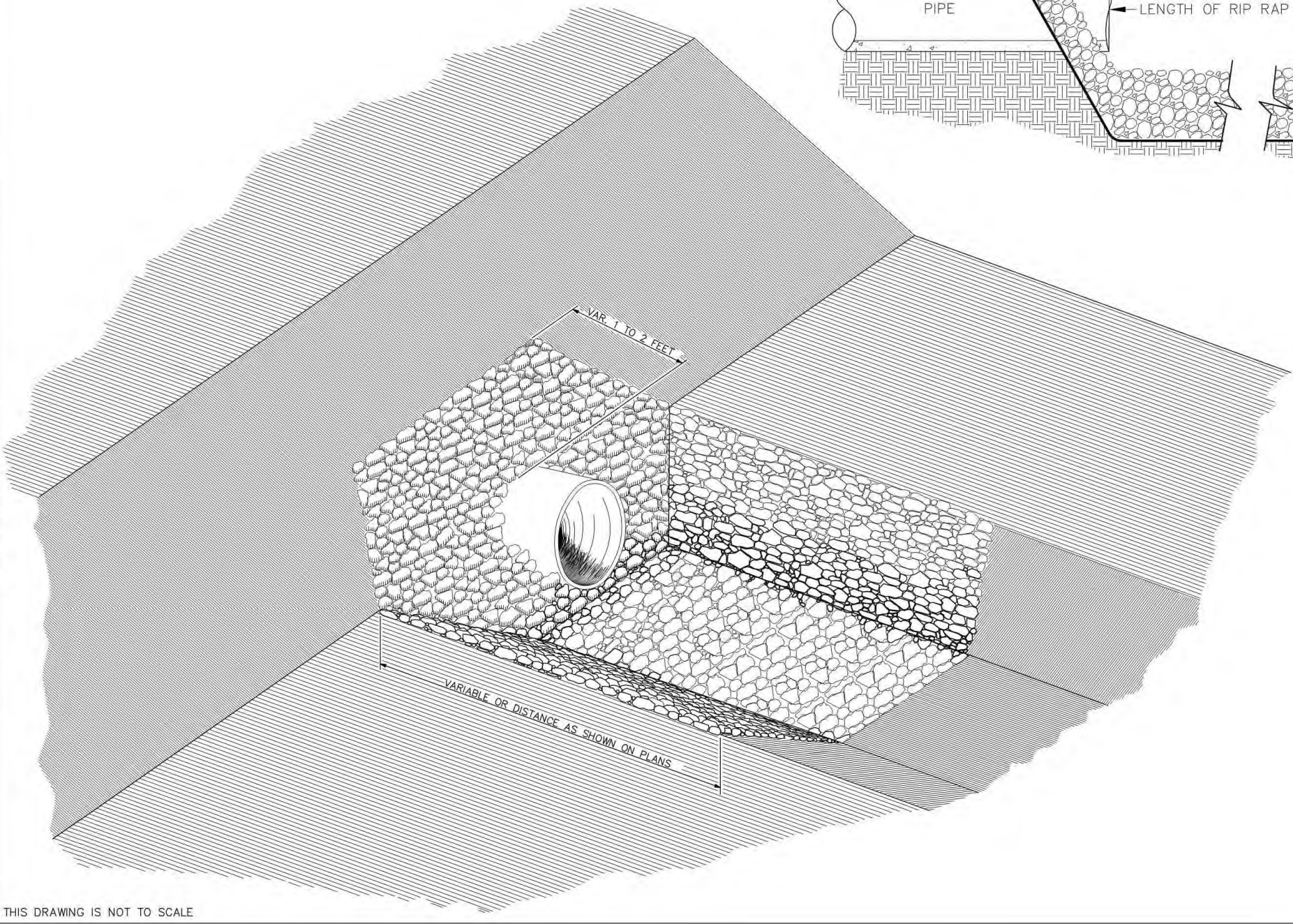
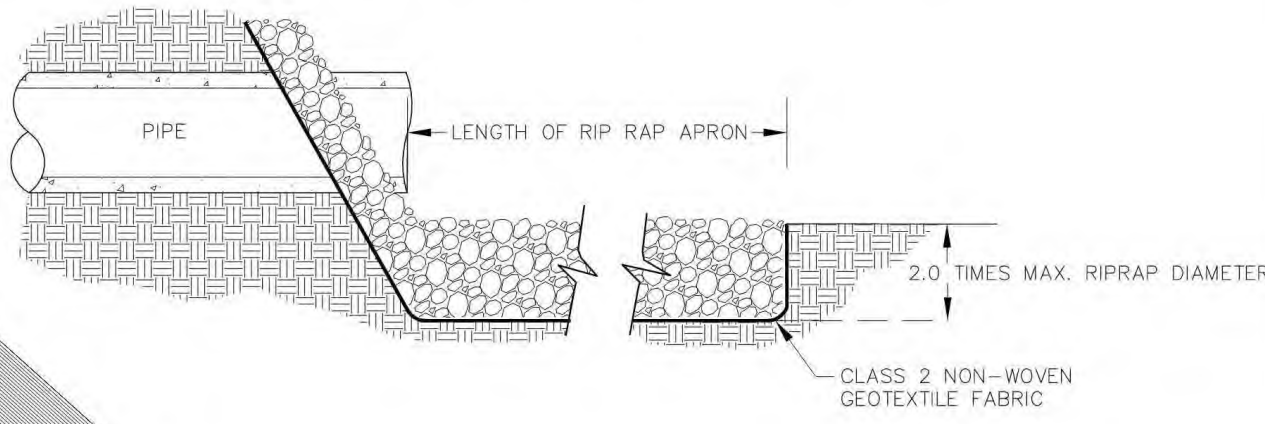
CHART 804-310A SLOPE STABILIZATION RIPRAP PLACEMENT WITH MINIMUM TAILWATER				
MINIMUM CLASS*	D ₅₀ (FT)	MINIMUM THICKNESS (FT)	OUTSIDE PIPE DIAMETER	
A	0.50	1.00	UP TO 24"	
B	0.75	1.50	UP TO 84"	
C	1.30	2.60	LARGER THAN 84"	

*WHEN RIPRAP CHANNEL IS PRESENT, USE SAME CLASS OF RIPRAP ON SLOPE AS SPECIFIED FOR CHANNEL ON THE PLANS.

NOTES:

- CLASS 2 NON-WOVEN GEOTEXTILE FABRIC TO BE USED UNDER RIPRAP.
- SEE STANDARD DRAWINGS SECTION 719-800-00 FOR ADDITIONAL PIPE END TREATMENT OPTIONS.
- THE PAY ITEMS SHALL BE:

2031000	UNCLASSIFIED EXCAVATION	_____	CY
8041010	RIPRAP (CLASS A)	_____	TON
8041020	RIPRAP (CLASS B)	_____	TON
8041030	RIPRAP (CLASS C)	_____	TON
8042800	GEOTEXTILE FABRIC FOR EROSION CONTROL UNDER RIPRAP (CLASS 2)	_____	SY



REFERENCES

NATIONAL DOCUMENTS
USDA NRCS ENGINEERING FIELD MANUAL

SCDOT DOCUMENTS
WQM

RELATED DRAWINGS & KEYWORDS

SEAL

SOUTH CAROLINA PROFESSIONAL ENGINEER
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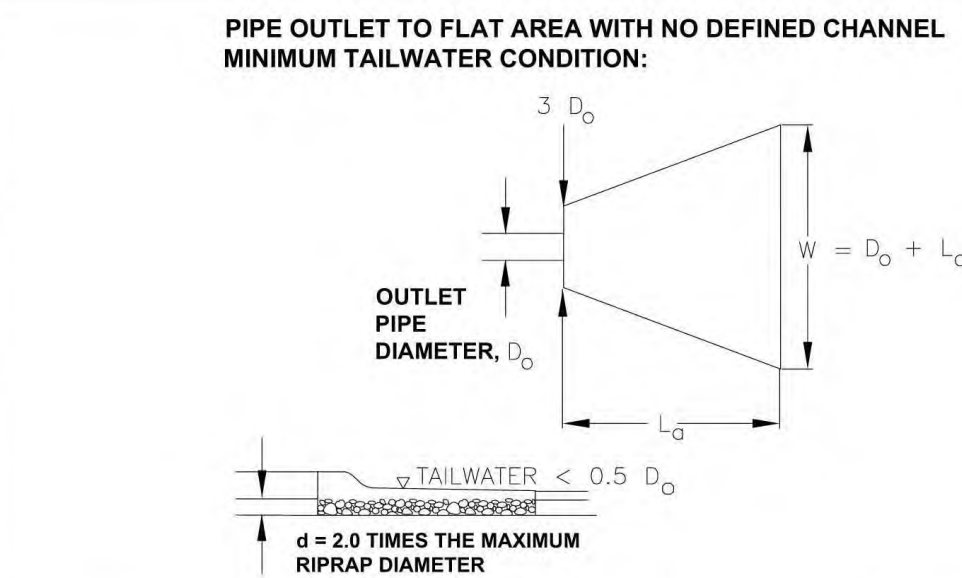
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OUTLET PROTECTION
WITH NO DEFINED CHANNEL

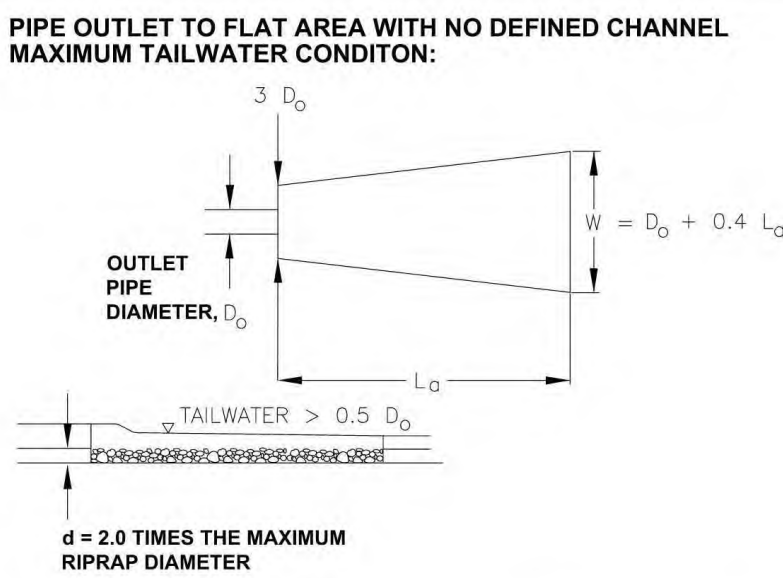
804-305-03
EFFECTIVE LITING DATE | JULY 2017
THIS DRAWING IS NOT TO SCALE



PIPE INSIDE DIAMETER (D _i) (FT)	MAX PIPE SLOPE	OUTLET PROTECTION DIMENSIONS			MIN RIPRAP CLASS	RIPRAP DEPTH (d) (FT)
		3D _o (FT)	L _a (FT)	W (FT)		
1.5	≤ 1%	6	10	12	A	1.5
1.5	2%	6	14	16	A	1.5
1.5	5%	6	19	21	B	2.7
2.0	≤ 1%	8	14	17	A	1.5
2.0	2%	8	19	22	B	2.7
2.0	5%	8	26	29	B	2.7
2.5	≤ 1%	10	18	21	A	1.5
2.5	2%	10	25	28	B	2.7
2.5	5%	10	34	37	C	3.6
3.0	≤ 1%	12	24	28	B	2.7
3.0	2%	12	32	36	B	2.7
3.0	5%	12	42	46	C	3.6
3.5	≤ 1%	14	28	33	B	2.7
3.5	2%	14	37	42	C	3.6
3.5	5%	14	48	53	C	3.6
4.0	≤ 1%	16	33	38	B	2.7
4.0	2%	16	43	48	C	3.6

NOTES:

- THESE TABLES ARE ONLY APPLICABLE FOR THE PIPE SIZES AND MAXIMUM PIPE SLOPES LISTED.
- LARGER PIPES OR GREATER SLOPES REQUIRE ALTERNATIVE OUTLET PROTECTION DESIGN.
- WHEN PLANS SPECIFY LARGER OR DIFFERENT OUTLET PROTECTION THAN SHOWN IN TABLES, INSTALL OUTLET PROTECTION PER THE PLANS.
- SEE DRAWING # 804-305-02 FOR MORE INFORMATION ON OUTLET PROTECTION DIMENSIONS.



PIPE INSIDE DIAMETER (D _i) (FT)	MAX PIPE SLOPE	OUTLET PROTECTION DIMENSIONS			MIN RIPRAP CLASS	RIPRAP DEPTH (d) (FT)
		3D _o (FT)	L _a (FT)	W (FT)		
1.5	≤ 1%	6	8	6	A	1.5
1.5	2%	6	23	11	A	1.5
1.5	5%	6	40	18	A	1.5
2.0	≤ 1%	8	14	8	A	1.5
2.0	2%	8	30	15	A	1.5
2.0	5%	8	55	25	B	2.7
2.5	≤ 1%	10	20	11	A	1.5
2.5	2%	10	39	19	A	1.5
2.5	5%	10	66	30	B	2.7
3.0	≤ 1%	12	27	15	A	1.5
3.0	2%	12	55	26	A	1.5
3.0	5%	12	91	40	C	3.6
3.5	≤ 1%	14	33	18	A	1.5
3.5	2%	14	66	31	B	2.7
3.5	5%	14	106	47	C	3.6
4.0	≤ 1%	16	42	22	A	1.5
4.0	2%	16	78	37	B	2.7

SEAL

SOUTH CAROLINA PROFESSIONAL ENGINEER
NO. 21242
JAMES W. KENDALL, JR.

SIGNATURE
11/18/2016
DATE

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DATE

CHK

DESCRIPTION

SCDOT

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
OUTLET PROTECTION
WITH NO DEFINED CHANNEL

804-305-02
EFFECTIVE LITING DATE | JULY 2017
THIS DRAWING IS NOT TO SCALE

SEAL

SOUTH CAROLINA PROFESSIONAL ENGINEER
NO. 000472
SEAMON WHITESIDE & ASSOCIATES, INC.

SIGNATURE
11/18/2016
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[illegible][illegible]

1 SCDOT - Pipe Trench Preparation Details

REFERENCES NATIONAL DOCUMENTS 03050 PROJECT DOCUMENTS 100-000 SEE ALSO DRAWINGS & REVISIONS 10-0000 10-0000 10-0000	THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER OF SOUPCO CARBON. IT DOES NOT VALID FOR ANY OTHER PROJECTS.  NO. 19782 <i>Nathan A. Schindler, P.E.</i> DATE: 11/09/20 — DATE — <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">1</td> <td style="width: 15%;">—</td> <td style="width: 80%;">—</td> </tr> <tr> <td>2</td> <td>—</td> <td>REVIS: TRENCH WIDTH</td> </tr> <tr> <td>3</td> <td>—</td> <td>REVIS: TRENCH WIDTH</td> </tr> <tr> <td>4</td> <td>—</td> <td>REVIS: TRENCH WIDTH</td> </tr> <tr> <td>5</td> <td>—</td> <td>REVIS: TRENCH WIDTH</td> </tr> <tr> <td>6</td> <td>—</td> <td>REVIS: TRENCH WIDTH</td> </tr> <tr> <td>7</td> <td>—</td> <td>REVIS: TRENCH WIDTH</td> </tr> <tr> <td>8</td> <td>—</td> <td>REVIS: TRENCH WIDTH</td> </tr> <tr> <td>9</td> <td>—</td> <td>REVIS: TRENCH WIDTH</td> </tr> <tr> <td>10</td> <td>—</td> <td>REVIS: TRENCH WIDTH</td> </tr> </table> SCCD DESIGN ENGINEERING OFFICE 10000 ROUTE 1 COLUMBIA, SC 29907 STANDARD DRAWINGS PIPE TRENCH TYPICAL PREPARATIONS) 714-005-00 1. ALL PIPE REQUIRE JOINTED FOUNDATION MATERIAL. MINIMUM 18" DIA. 8" REQUIRE THE MINIMUM LAYER OF AN APPROVED PIPE CONNECTION. FOLLOW BOTTOM THROUGH DRAINING 18" DIA. DETAIL FOUNDATION REQUIREMENTS 1 2. TRENCH WIDTH: 18" DIA. 8" OR 18" DIA. 10" OR THE WIDTH REQUIRED TO SAFELY FIT COMPACTION EQUIPMENT AND PERSONNEL BETWEEN THE PIPE AND THE TRENCH WALLS. MINIMUM 18" DIA. 8" REQUIRE THE MINIMUM LAYER OF AN APPROVED PIPE CONNECTION. FOLLOW BOTTOM THROUGH DRAINING 18" DIA. DETAIL TRENCH PREPARATION WITH AN APPROVED FOUNDATION WORK 2	1	—	—	2	—	REVIS: TRENCH WIDTH	3	—	REVIS: TRENCH WIDTH	4	—	REVIS: TRENCH WIDTH	5	—	REVIS: TRENCH WIDTH	6	—	REVIS: TRENCH WIDTH	7	—	REVIS: TRENCH WIDTH	8	—	REVIS: TRENCH WIDTH	9	—	REVIS: TRENCH WIDTH	10	—	REVIS: TRENCH WIDTH
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9	—	REVIS: TRENCH WIDTH																													
10	—	REVIS: TRENCH WIDTH																													

[illegible]

2 SCDOT - Pipe Trench Details
SCALE: NOT TO SCALE

[illegible]

3 SCDOT - Pipe Collar Details
SCALE: NOT TO SCALE

EXISTING RCP
GEOTEXTILE
PIPE COLLAR
NEW HOPE
NEW PIPE BEHIND
CHAMFER TO THE SOIL WHEN PIPE END IS REMOVED (IF NECESSARY)

DETAIL 3
 SCALE 1/8" = 1'-0"
 SOIL PIPE SEPARATION AND NEW PIPE INSTALLATION

DETAIL 4
 SCALE 1/8" = 1'-0"
 INVERT ALIGNMENT

SECTION C
 SCALE 1/8" = 1'-0"
 INVERT ALIGNMENT

EXISTING SOIL
EXISTING RCP
PIPE COLLAR
GEOTEXTILE
BRACE ROW TO PREVENT IMPROPER SPREAD FROM BEHIND 1/2" TO TOP OF FORM AND LEAVE 1/2" G-2
CONCRETE MUST COMPLETELY FILL TO PIPE TOP.
NEW HOPE
NEW PIPE BEHIND
EXISTING SOIL

DETAIL 4

SECTION C

4

SCDOT - Substructure Details

SCALE: NOT TO SCALE

[illegible][illegible]

4 SCDOT - Substructure Details
SCALE: NOT TO SCALE



SEAMONWHITESIDE

MOUNT PLEASANT, SC
643.884.1667
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No. C00472
CERTIFICATE OF AUTHORIZATION

NOT FOR CONSTRUCTION

HMGP 4492 - PHASE 1 IMPROVEMENTS

TOWN OF SULLIVAN'S ISLAND

SULLIVAN'S ISLAND, SC

PERMIT SET
(NOT FOR CONSTRUCTION)

SW+ PROJECT: 1265
DATE: 01/27/2021
DRAWN BY: KBH
CHECKED BY: RCP/AA

[illegible]

DETAILS -
SCDOT II