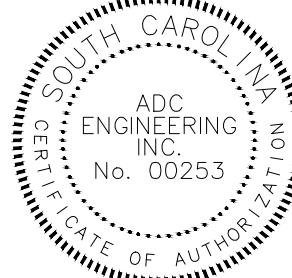


TMS# MULTIPLE TRC-SP20XX-XXXXXX

[illegible]

MUNICIPAL COMMITTEE/BOARD APPROVALS			
REVIEW	SUBMITTAL DATE	MEETING DATE	STATUS
TRC SKETCH PLAN	5/7/2025	5/21/2025	REVIEWED
TRC #1	8/11/2025	TBD	SUBMITTED
VARIANCES/SPECIAL EXCEPTIONS			
VARIANCE/SPECIAL EXCEPTIONS	SUBMITTAL DATE	MEETING DATE	STATUS

STORMWATER DESIGN STANDARDS MANUAL VARIANCES			
APPLICABLE SECTION N/A	DESCRIPTION OF THE VARIANCE N/A	SUBMITTAL DATE	APPROVAL DATE



	Revision Date	Description
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C001
CIVIL COVER SHEET

GENERAL NOTES:

1. THE EROSION CONTROL PLANS CONTAINED HERE-IN ARE PART OF A LARGER COMPREHENSIVE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). ALL CONTRACTORS/SUBCONTRACTORS/PERSONS THAT WILL BE ENGAGED IN LAND DISTURBING ACTIVITIES SHALL BECOME FAMILIAR WITH AND COMPLY WITH ALL EROSION AND SEDIMENT CONTROL AND STORMWATER POLLUTION PREVENTION REQUIREMENTS CONTAINED THROUGHOUT THE SWPPP, DRAWINGS, SPECIFICATIONS AND PERMITS.
2. ALL CONTRACTORS SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE THE EXTENT OF THE PROJECT.
3. TOPOGRAPHIC AND BOUNDARY INFORMATION BY FORSBERG ENGINEERING AND SURVEYING, INC., NOT VERIFIED BY ADC ENGINEERING, INC.
4. HORIZONTAL COORDINATES ARE BASED ON SC STATE PLANE COORDINATES NAD '83. VERTICAL DATUM IS BASED ON NAVD 88.
5. ALL PROJECT STAKEOUT, INCLUDING RELOCATION OF PROJECT BENCHMARKS AS NECESSARY, SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR TO BE PAID FOR BY THE CONTRACTOR. FOR STAKEOUT, DO NOT RELY SOLELY ON THE PHYSICAL SCALE AS SHOWN IN DRAWINGS. REFER TO THE GIVEN DIMENSIONS, SYMBOL LEGEND, KEYNOTES, AND REFERENCED DETAILS FOR CORRECT STAKEOUT.
6. THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES PRIOR TO BEGINNING ANY WORK. IF UTILITIES OTHER THAN THOSE SHOWN HEREON ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND TAKE APPROPRIATE MEASURES TO PROTECT THE LINE(S) AND ENSURE CONTINUED SERVICE. DAMAGE CAUSED TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL VERIFY THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
7. THE CONTRACTOR SHALL INSTALL TREE PROTECTION BARRICADES PRIOR TO BEGINNING EARTHWORK OPERATIONS.
8. OFFSITE BORROW NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE PROVIDED BY THE CONTRACTOR FROM SOURCES DEVELOPED BY THE CONTRACTOR.
9. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION.
10. THE CONTRACTOR SHALL PLACE 4" OF TOPSOIL IN ALL DISTURBED AREAS NOT TO BE PAVED. THE CONTRACTOR SHALL ALSO PROVIDE TEMPORARY AND PERMANENT SEEDING IN ALL AREAS INSIDE OR OUTSIDE THE LIMITS OF CONSTRUCTION THAT ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS.
11. ALL TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND THE SOUTH CAROLINA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, BOTH CURRENT EDITIONS.
12. CONTRACTOR SHALL GRADE ALL AREAS TO DRAIN FOR POSITIVE FLOW PRIOR TO FINAL APPROVAL.
13. THE DESIGN ADEQUACY AND SAFETY OF ALL BRACING, SHORING AND TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
14. THE GENERAL CONTRACTOR SHALL REVIEW AND STAMP APPROVED ANY AND ALL SHOP DRAWINGS AND SUBMITTALS PRIOR TO SUBMITTING TO THE ENGINEER FOR REVIEW.
15. IT IS THE RESPONSIBILITY OF THE OWNER TO OBTAIN THE SERVICES OF A QUALIFIED GEOTECHNICAL ENGINEER WHO SHALL PERFORM INVESTIGATIONS TO VERIFY THAT THE SOIL CONDITIONS ARE AT LEAST THAT WHICH ARE STATED HEREIN.
16. ALL UTILITY WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF SCDES AND CHARLESTON WATER SYSTEM. WHERE ANY DISCREPANCIES EXIST BETWEEN THESE DOCUMENTS, SCDES AND CHARLESTON WATER SYSTEM REQUIREMENTS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN.
17. IN PERFORMING CONSTRUCTION OBSERVATION VISITS TO THE JOB SITE, THE ENGINEER SHALL HAVE NO CONTROL OVER NOR RESPONSIBILITY FOR THE CONTRACTOR'S MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES IN PERFORMING THE WORK.
18. THE CONTRACTOR'S MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES IN PERFORMING THE WORK IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR, WHO IS ALSO RESPONSIBLE FOR COMPLYING WITH ALL HEALTH AND SAFETY PRECAUTIONS AS REQUIRED BY ANY REGULATORY AGENCY.
19. IT IS THE CONTRACTORS RESPONSIBILITY FOR DESIGN, ADEQUACY AND IMPLEMENTATION OF ALL DEWATERING. ALL DEWATERING ACTIVITIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN.
20. CONTRACTOR SHALL MAINTAIN SIGHT DISTANCE VISIBILITY AT ALL EXITS AND/OR INTERSECTIONS IN ACCORDANCE WITH SCDOT'S "ACCESS AND ROADSIDE MANAGEMENT STANDARDS" MANUAL, DURING AND AFTER CONSTRUCTION.
21. ANY FIELD CHANGES WITHIN SCDOT RIGHT-OF-WAY OR CHANGES THAT WOULD IMPACT SCDOT RIGHT-OF-WAY WILL REQUIRE WRITTEN SCDOT APPROVAL PRIOR TO CHANGES BEING IMPLEMENTED IN THE FIELD.

TRAFFIC CONTROL NOTES:

1. CONTRACTOR SHALL PERFORM ALL NECESSARY COORDINATION WITH SCDOT AND THE MUNICIPALITY FOR WORK INSIDE THE RIGHT OF WAY, INCLUDING BUT NOT LIMITED TO PREPARATION OF AND OBTAINING APPROVAL OF ALL NECESSARY TRAFFIC CONTROL PLANS AS WELL AS PLANNING AND EXECUTION OF ALL NECESSARY COORDINATION MEETINGS.
2. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE APPROVED ENCROACHMENT PERMIT(S).
3. CONTRACTOR SHALL MAINTAIN SCDOT SITE VISIBILITY TRIANGLES AT ALL ACCESS POINTS FOR THE DURATION OF CONSTRUCTION.
4. ALL TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD), CURRENT EDITION.

CITY OF CHARLESTON ADA NOTES:

1. RIGHT-OF-WAY SHALL REMAIN ADA COMPLIANT DURING ALL CONSTRUCTION PHASES, OR AN ALTERNATE ACCESSIBLE ROUTE SHALL BE PROVIDED.

CIVIL ABBREVIATIONS

BM	BENCHMARK	NPDES	NATIONAL POLLUTANT DISCHARGE
BMP	EROSION CONTROL BEST MANAGEMENT PRACTICES	NTS	ELIMINATION SYSTEM NOT TO SCALE
BTM	BOTTOM	OC	ON CENTER
BW	BOTH WAYS	ODSA	OPERATOR OF DAY TO DAY SITE ACTIVITIES
CB	CATCH BASIN	PC	POINT OF CURVATURE
CGP	NPDES CONSTRUCTION GENERAL PERMIT SCR 100000	PCC	PORTLAND CEMENT CONCRETE
CI	CURB INLET	PP	POWER POLE
CJ	CAST IRON	PT	POINT OF TANGENT
CIP	CAST IRON PIPE	PVC	POLYVINYL CHLORIDE
CL	CENTERLINE	PVMT	PAVEMENT
CMP	CORRUGATED METAL PIPE	RAD	RADIUS
CO	CLEANOUT	RCP	REINFORCED CONCRETE PIPE
CONC	CONCRETE	RD	ROOF DRAIN
CY	CUBIC YARDS	REQD	REQUIRED
DCVA	DOUBLE CHECK VALVE ASSEMBLY	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
DI	DROP INLET	R/W	RIGHT OF WAY
DIA	DIAMETER	SABC	STABILIZED AGGREGATE BASE COURSE
DIP	DUCTILE IRON PIPE	SB	SILT BARRIER
DS	DOWNSPOUT	SCDES	SOUTH CAROLINA DEPT OF ENVIRONMENTAL SERVICES
EL	ELEVATION	SCDOT	SOUTH CAROLINA DEPT OF TRANSPORTATION
EW	EACH WAY	SD	STORM DRAINAGE
EXST	EXISTING	SF	SQUARE FEET
FFE	FINISHED FLOOR ELEVATION	SS	SANITARY SEWER SERVICE
FG	FINISHED GRADE	STA	STATION
FH	FIRE HYDRANT	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
FIN	FINISHED	TBM	TEMPORARY BENCH MARK
FM	FORCE MAIN	TC	TOP OF CURB
GI	GRATE INLET	TG	TOP OF GUTTER
HDPE	HIGH DENSITY POLYETHYLENE	TP	TOP OF PAVEMENT
IAW	IN ACCORDANCE WITH	TP	TOP OF PAVEMENT
IE	INVERT ELEVATION	TYP	TYPICAL
JB	JUNCTION BOX	VC	VITRIFIED CLAY
LF	LINEAR FEET	W	WATER
LP	LIGHT POLE	W/	WITH
MATL	MATERIAL	WS	WATER SERVICE
MAX	MAXIMUM	WV	WATER VALVE
MH	MANHOLE		
MIN	MINIMUM		
NIC	NOT IN CONTRACT		
NOI	NOTICE OF INTENT		
NOT	NOTICE OF TERMINATION		

CITY OF CHARLESTON TRAFFIC & TRANSPORTATION NOTES:

1. IF TRAFFIC SIGNALS OR TRAFFIC SIGNAL EQUIPMENT IS IMPACTED IN ANY WAY, THESE ITEMS MUST BE COORDINATED WITH TRAFFIC AND TRANSPORTATION PRIOR TO ANY WORK NEAR THE INTERSECTION.
2. SIGHT DISTANCE VISIBILITY AT ALL EXITS AND/OR INTERSECTIONS WILL BE MAINTAINED IN ACCORDANCE WITH SCDOT'S ACCESS AND ROADSIDE MANAGEMENT STANDARDS MANUAL. SIGHT DISTANCE VISIBILITY MUST BE MAINTAINED DURING DEMOLITION AND CONSTRUCTION. NO FENCING OR OTHER OBSTRUCTIONS WILL BE PERMITTED IF THEY IMPACT SIGHT DISTANCE VISIBILITY.
3. IF TRAFFIC SIGNS OR MARKINGS WITHIN THE RIGHT-OF-WAY ARE IMPACTED, RELOCATION OF THESE ITEMS MUST BE COORDINATED WITH TRAFFIC AND TRANSPORTATION.
4. IF THE STREET OR METERED PARKING SPACES ARE BLOCKED OR METERED PARKING SPACES THAT ARE NOT APPROVED FOR REMOVAL ARE IMPACTED DURING CONSTRUCTION AT ANY TIME FOR ANY REASON A STREET BLOCKING PERMIT AND/OR A METER BAG PERMIT WILL BE REQUIRED. NO CONSTRUCTION PARKING OR STAGING WILL BE PERMITTED WITHIN THE RIGHT-OF-WAY WITHOUT PRIOR AUTHORIZATION BY TRAFFIC AND TRANSPORTATION.
5. LANE CLOSURES OF ANY TYPE OR DURATION WITHIN THE RIGHT-OF-WAY MUST BE APPROVED BY TRAFFIC AND TRANSPORTATION WELL IN ADVANCE OF THE OCCURRENCE. NO CONSTRUCTION PARKING OR STAGING WILL BE ALLOWED WITHIN THE RIGHT-OF-WAY WITHOUT PRIOR APPROVAL BY TRAFFIC AND TRANSPORTATION.
6. REMOVAL OR CHANGES TO PARKING METERS AND/OR PARKING METERED SPACES OR OTHER ON-STREET PARKING MUST BE COORDINATED WITH TRAFFIC AND TRANSPORTATION PRIOR TO ANY WORK THAT MAY IMPACT PARKING.
7. CONSTRUCTION AND DEMOLITION TRAFFIC MUST AVOID RESIDENTIAL STREETS AT ALL TIMES UNLESS THERE ARE NO ALTERNATIVE ROUTES. IF IMPACTS TO RESIDENTIAL STREETS ARE ANTICIPATED, THE CONTRACTOR SHOULD CALL TRAFFIC AND TRANSPORTATION PRIOR TO USING THE ROUTE.

CITY OF CHARLESTON TRAFFIC & STREET NAME SIGN STANDARDS & NOTES:

1. CONTRACTOR SHALL CONTACT THOMAS TISDALE, TRAFFIC OPERATIONS MANAGER, PRIOR TO THE REMOVAL, RELOCATION, OR INSTALLATION OF ANY TRAFFIC OR PARKING SIGNS AT 843-973-7288 OR TISDALET@CHARLESTON-SC.GOV.
2. ALL TRAFFIC SIGNS SHOULD BE DESIGNED AND PLACED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD), LATEST EDITION, PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.
3. ALL REGULATORY, WARNING, AND GUIDE SIGNS SHALL BE FABRICATED WITH ASTM INTERNATIONAL, FORMERLY AMERICAN SOCIETY FOR TESTING AND MATERIALS, TYPE III (HIGH INTENSITY) OR GREATER RETRO-REFLECTIVE SHEETING. UPON APPROVAL BY THE DEPARTMENT OF TRAFFIC AND TRANSPORTATION PARKING SIGNS AND NON-TRAFFIC RELATED SIGNS MAY BE FABRICATED WITH ASTM TYPE I (ENGINEER GRADE) OR GREATER MATERIAL.
4. IF A SUPPLEMENTAL PLAQUE OR SECONDARY SIGN IS PERMITTED TO BE MOUNTED ON THE SAME ASSEMBLY AS ANOTHER SIGN, THE MAJOR (MOST IMPORTANT) SIGN SHALL BE INSTALLED ABOVE THE SUPPLEMENTAL PLAQUE OR SECONDARY SIGN. THE MINIMUM HEIGHT FROM THE BOTTOM OF THE SUPPLEMENTAL PLAQUE OR SECONDARY SIGN TO THE NEAR EDGE OF THE PAVEMENT SHALL BE 6'.
5. THE MINIMUM LATERAL OFFSET FOR INSTALLED SIGNS SHOULD BE 2' MEASURED FROM THE NEAREST SIGN EDGE TO THE PAVEMENT EDGE (OR THE FACE OF CURB). A MINIMUM OFFSET OF 1' FROM THE FACE OF THE CURB MAY BE USED IN AREAS WHERE SIDEWALK WIDTH IS LIMITED OR WHERE EXISTING POLES ARE CLOSE TO THE CURB.
6. ALL TRAFFIC SIGN POSTS SHOULD BE SECURELY INSTALLED AT LEAST 36 INCHES IN THE GROUND. TRAFFIC SIGN POSTS SHOULD BE GREEN, 3 LBS/FT STEEL U-CHANNEL POSTS, BREAKAWAY, AND 12' IN LENGTH EXCEPT FOR STREET NAME SIGN POSTS.
7. THERE SHALL BE NO ON-STREET PARKING ALLOWED UNLESS OTHERWISE DESIGNATED.
8. ALL PAVEMENT MARKINGS (INCLUDING PARKING) SHALL BE THERMOPLASTIC. ALL MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH S.C.D.O.T. STANDARD SPECIFICATION AND MUTCD.
9. LANE CLOSURES OF ANY TYPE OR DURATION MUST BE APPROVED BY TRAFFIC AND TRANSPORTATION WELL IN ADVANCE OF THE OCCURRENCE. NO CONSTRUCTION, PARKING, OR STAGING WILL BE ALLOWED WITHIN THE RIGHT-OF-WAY WITHOUT PRIOR APPROVAL BY TRAFFIC AND TRANSPORTATION.

ARCHAEOLOGICAL NOTICE TO CONTRACTOR:

1. A PORTION OF THIS PROJECT IS TO PERFORM AN ARCHEOLOGICAL SITE INVESTIGATION, INCLUDING IDENTIFYING AND DOCUMENTING ANY INTACT ARCHEOLOGICAL FEATURES OR ARTIFACT DEPOSITS ASSOCIATED WITH THE HISTORIC PERIOD HUMAN INTERMENTS AS WELL AS FACILITATING THE RECOVERY OF INTACT OR DISARTICULATED HUMAN REMAINS.
2. AN ARCHEOLOGICAL WORK PLAN HAS BEEN PREPARED BY TERRACON CONSULTANTS, INC. DATED JULY 2025 AND SUBMITTED TO THE SHPO FOR REVIEW AND COMMENT. THE CONTRACTOR SHALL BE AWARE OF AND FULLY COMPLY WITH THE REQUIREMENTS OF THIS WORK PLAN.

CITY OF CHARLESTON DRAINAGE NOTES:

1. IF NECESSARY SLOPES THAT EXCEED 8 VERTICAL FEET SHALL BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW:
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED AND EARTH-DISTURBING ACTIVITIES ON THAT PORTION OF THE SITE WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
3. FINAL STABILIZATION SHALL PROVIDE A UNIFORM (I.E., EVENLY DISTRIBUTED, WITHOUT LARGE BARE AREAS) PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70 PERCENT OF THE NATIVE BACKGROUND VEGETATIVE COVER FOR THE AREA HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES.
4. EPSC MEASURES SHALL BE ROUTINELY INSPECTED EVERY SEVEN DAYS AND AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS 0.5 INCH. THE INSPECTION SCHEDULE SHALL BE CLEARLY STATED ON THE PLANS AND IN THE EPSC PLAN. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED. INSPECTION FREQUENCIES FOR PORTIONS OF THE CONSTRUCTION SITE THAT HAVE REACHED TEMPORARY OR FINAL STABILIZATION MAY BE REDUCED TO AT LEAST ONCE EVERY MONTH, AS LONG AS THE STABILIZATION IS MAINTAINED AND THERE IS NO ADDITIONAL DISTURBANCE IN THESE AREAS.
5. SILT FENCE AND/OR OTHER SEDIMENT CONTROL DEVICES SHALL BE PROVIDED TO CONTROL SEDIMENTATION DURING UTILITY CONSTRUCTION. DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION.
6. EPSC MEASURES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF CONSTRUCTION ACTIVITIES AND DISTURBED AREAS HAVE BEEN FINALLY STABILIZED. ADDITIONAL EPSC MEASURES MAY BE REQUIRED DURING CONSTRUCTION TO PREVENT EROSION AND OFFSITE SEDIMENTATION. TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE, AND THE SITE IS FINALLY STABILIZED.
7. SEDIMENT TRACK-OUT SHALL BE MINIMIZED BY USING APPROVED CONSTRUCTION ENTRANCES AT ALL POINTS THAT EXIT ONTO PAVED ROADS AND RESTRICT VEHICLE USE TO PROPERLY DESIGNATED EXIT POINTS. SEDIMENT SHALL BE REMOVED FROM PAVEMENT AS REQUIRED.
8. RESIDENTIAL SUBDIVISIONS REQUIRE EPSC FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION.
9. TEMPORARY DIVERSION BERMS AND/OR DITCHES SHALL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
10. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHALL BE FILTERED TO REMOVE ANY SEDIMENT BEFORE BEING PUMPED BACK INTO THE STABLE OUTLET(S).
11. SEDIMENT CONTROLS SHALL BE INSTALLED ALONG PERIMETER AREAS OF THE SITE THAT WILL RECEIVE POLLUTANT DISCHARGES AND REMOVE SEDIMENT BEFORE IT HAS ACCUMULATED TO ONE-THIRD OF THE ABOVEGROUND HEIGHT OF PERIMETER CONTROL.
12. STOCKPILES SHALL BE LOCATED OUTSIDE OF NATURAL BUFFERS AND AWAY FROM STORMWATER CONVEYANCES, DRAIN INLETS, AND AREAS WHERE STORMWATER FLOW IS CONCENTRATED. A SEDIMENT BARRIER SHALL BE INSTALLED ALONG DOWNGRAIENT PERIMETER AREAS. FOR PILES THAT WILL BE UNUSED FOR 14 OR MORE DAYS, COVER OR APPROPRIATE TEMPORARY STABILIZATION SHALL BE PROVIDED.
13. DUST GENERATION SHALL BE MINIMIZED IN AREAS OF EXPOSED SOIL OR GRAVEL THROUGH THE APPROPRIATE APPLICATION OF WATER OR OTHER DUST SUPPRESSION TECHNIQUES.
14. STORM DRAIN INLETS SHALL BE PROTECTED BY INSTALLING INLET PROTECTION MEASURES THAT REMOVE SEDIMENT FROM DISCHARGES PRIOR TO ENTRY INTO A STORM DRAIN INLET. CLEAN, OR REMOVE AND REPLACE, THE PROTECTION MEASURES AS SEDIMENT ACCUMULATES, THE FILTER BECOMES CLOGGED, OR PERFORMANCE IS COMPROMISED.
15. EROSION CONTROLS AND VELOCITY DISSIPATION DEVICES SHALL BE USED WITHIN AND ALONG THE LENGTH OF ANY STORMWATER CONVEYANCE CHANNEL AND AT ANY OUTLET TO SLOW DOWN RUNOFF TO MINIMIZE EROSION.
16. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER), AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORMWATER DISCHARGES.
17. CATCH BASINS SHALL BE FIELD STAKED TO ENSURE PROPER CATCH BASIN INLET ALIGNMENT WITH THE STREET GUTTER LINE.
18. STORM DRAINAGE LINES SHALL BE STAKED AT EACH BOX OR AT INTERVALS THAT WOULD BE SUFFICIENT TO CHECK ALIGNMENT AND GRADE OF THE CONSTRUCTION WITH THE APPROVED PLANS. THE USE OF LASERS TO AUGMENT CONTROL IS ENCOURAGED.



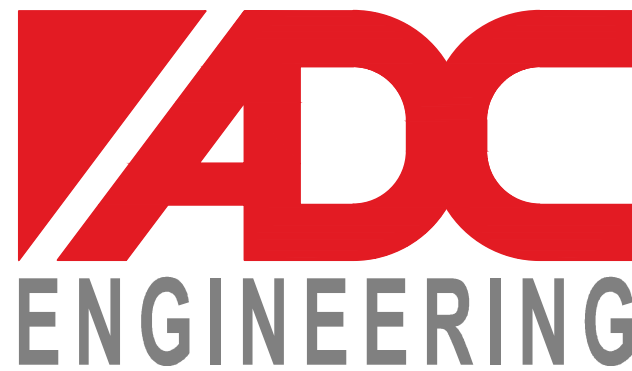
1640 Meeting Street Rd
Suite 202
Charleston, SC 29405

P 843.762.2222



1040 Hull Street, Suite 100
Baltimore, MD 21230

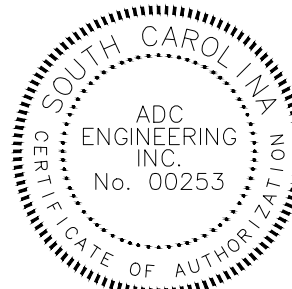
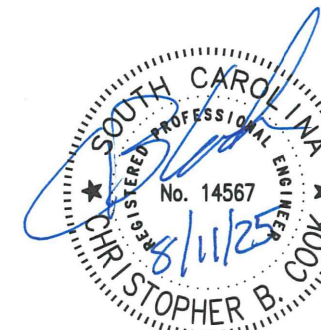
P 410.347.8500



1226 YEAMANS HALL ROAD
HANAHAN, SC 29410

843-566-0161
ADCENGINEERING.COM

ADC PROJECT
#25039



Revision Date	Description
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EARLY SITE PACKAGE

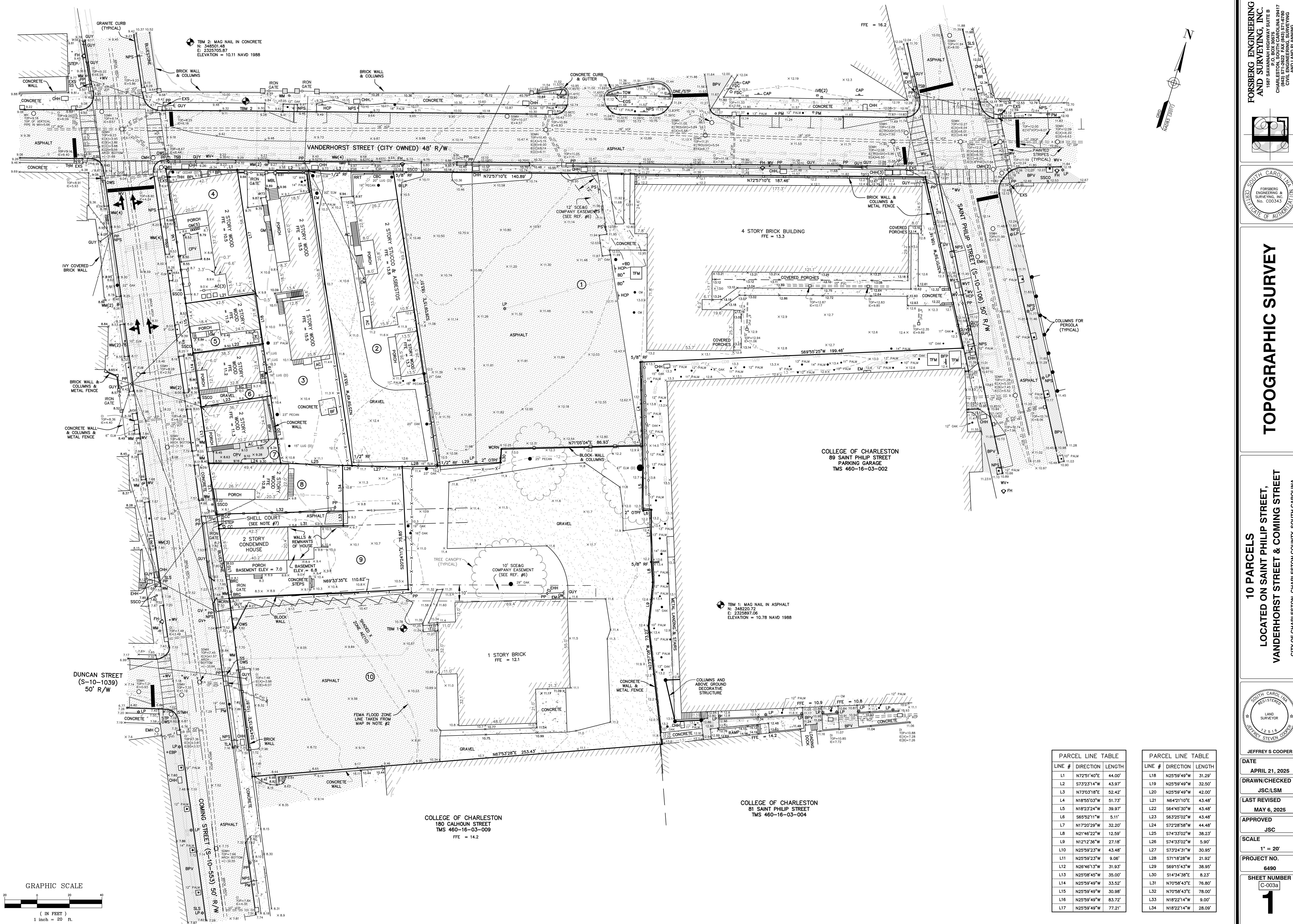
91 & 99 ST PHILIP STREET, 106 COMING STREET & XX VANDERHORST STREET



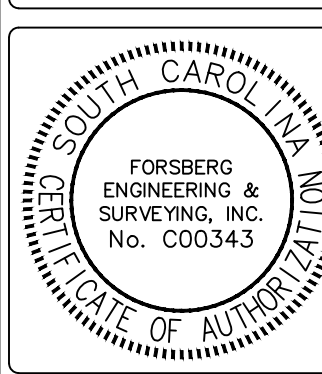
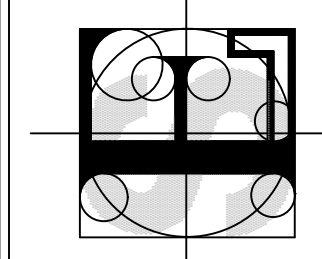
PROJECT 205 NEW CONSTRUCTION

State Project Number:	H15-9689-ML
Project Number:	25700
Checked By:	CBC / GFJ
Drawn By:	JTN
Date:	08/11/25
Scale:	

C002 CIVIL NOTES AND ABBREVIATIONS

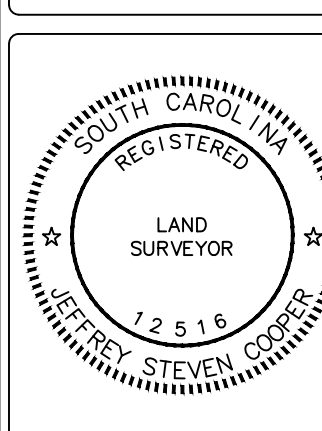


FORSBERG ENGINEERING AND SURVEYING, INC.
187 SAVANNAH HIGHWAY SUITE B
P.O. BOX 5575
CHARLESTON, SOUTH CAROLINA 29417
CIVIL ENGINEERING, SURVEYING
AND LAND PLANNING



TOPOGRAPHIC SURVEY

10 PARCELS
LOCATED ON SAINT PHILIP STREET,
VANDERHORST STREET & COMING STREET
CITY OF CHARLESTON, CHARLESTON COUNTY, SOUTH CAROLINA



JEFFREY S. COOPER
DATE
APRIL 21, 2025
DRAWN/CHECKED
JSC/LSM
LAST REVISED
MAY 6, 2025
APPROVED
JSC
SCALE
1" = 20'
PROJECT NO.
6490
SHEET NUMBER
C-003a
1
OF 2

PARCEL LINE TABLE		
LINE #	DIRECTION	LENGTH
L1	N72°51'40"E	44.00'
L2	S73°23'14"W	43.97'
L3	N73°03'18"E	52.42'
L4	N18°56'03"W	51.73'
L5	N18°23'24"W	39.97'
L6	S65°52'11"W	5.11'
L7	N17°20'29"W	32.20'
L8	N21°46'22"W	12.59'
L9	N121°2'36"W	27.18'
L10	N25°59'23"W	43.48'
L11	N25°59'23"W	9.06'
L12	N26°46'13"W	31.93'
L13	N25°08'45"W	35.00'
L14	N25°59'49"W	33.52'
L15	N25°59'49"W	30.98'
L16	N25°59'49"W	83.72'
L17	N25°59'49"W	77.21'

PARCEL LINE TABLE		
LINE #	DIRECTION	LENGTH
L18	N25°59'49"W	31.29'
L19	N25°59'49"W	32.50'
L20	N25°59'49"W	42.00'
L21	N64°21'10"E	43.48'
L22	S64°45'30"W	43.48'
L23	S63°25'02"W	43.48'
L24	S72°28'58"W	44.48'
L25	S74°33'02"W	38.23'
L26	S74°33'02"W	5.90'
L27	S73°24'31"W	30.95'
L28	S71°18'28"W	21.92'
L29	S69°15'43"W	38.95'
L30	S14°34'38"E	8.23'
L31	N70°58'43"E	78.80'
L32	N70°58'43"E	78.00'
L33	N18°22'14"W	9.00'
L34	N18°22'14"W	28.09'

NOTES

- 1) THE TOTAL AREA OF THE 10 PARCELS THAT WERE SURVEYED = 2.727 ACRES.
- 2) ACCORDING TO FEMA FLOOD INSURANCE RATE MAP 45019C 0512 K DATED JANUARY 29, 2021 THIS PROPERTY LIES IN ZONES SHADED X AND AE(10).
- 3) THIS SURVEY IS NOT INTENDED TO SHOW THE EXISTENCE OR NON EXISTENCE OF U.S. ARMY CORPS OF ENGINEERS "JURISDICTIONAL WETLANDS".
- 4) THE HORIZONTAL DATUM IS REFERENCED TO NORTH AMERICAN DATUM 1983 (2011 SHIFT). THE VERTICAL DATUM IS REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988.
- 6) THE PROPERTY LINES SHOWN ON THIS SURVEY RELIED ON OLD PLATS AND DEEDS, PROPERTY RECORD CARDS AT THE CHARLESTON COUNTY ROD OFFICE, EVIDENCE FOUND ON THE GROUND, AND LINES OF OCCUPATION OF LONG DURATION. NO TITLE SEARCH WAS PERFORMED. ANY EASEMENTS OR ENCUMBRANCES OF RECORD NOT SHOWN ON THE REFERENCES LISTED MAY NOT BE SHOWN ON THIS SURVEY.
- 7) CONSIDERABLE EFFORT HAS BEEN MADE TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES. SOME LOCATIONS ARE ACTUAL FIELD MEASUREMENTS AND SOME ARE TAKEN FROM UTILITY RECORDS OR LOCATIONS MARKED IN THE FIELD BY A PROFESSIONAL UTILITY LOCATING SERVICE. THIS SURVEY DOES NOT WARRANT THAT UTILITIES ARE SHOWN ACCURATELY NOR THAT ALL UTILITIES ARE SHOWN. CALL PALMETTO UTILITY PROTECTION SERVICE (PUPS) AT 811 A MINIMUM OF 3 WORKING DAYS BEFORE DIGGING.
- 8) SHELL COURT IS AN UNOPENED RIGHT OF WAY SHOWN ON VARIOUS PLATS AND THE CHARLESTON COUNTY GIS MAP. BUT THE SURVEYOR WAS UNABLE TO DETERMINE THE OWNER, WIDTH, OR LENGTH OF THE RIGHT OF WAY. THERE WAS ALSO NO EVIDENCE FOUND THAT IT HAS BEEN ABANDONED.

REFERENCES

- 1) PLAT BY GAILLARD & GAILLARD DATED JUNE 19, 1944 AND RECORDED AT THE CHARLESTON COUNTY ROD OFFICE IN PLAT BOOK F PAGE 183.
- 2) PLAT BY W.L. GAILLARD DATED AUGUST 22, 1975 AND RECORDED AT THE CHARLESTON COUNTY ROD OFFICE IN PLAT BOOK AF PAGE 20.
- 3) PLAT BY PENOLIA A. VAN BUREN DATED OCTOBER 28, 1988 AND RECORDED AT THE CHARLESTON COUNTY ROD OFFICE IN PLAT BOOK CD PAGE 168.
- 4) PLAT BY F. STEVEN JOHNSON DATED FEBRUARY 11, 1998 AND RECORDED AT THE CHARLESTON COUNTY ROD OFFICE IN PLAT BOOK EC PAGE 347.
- 5) PLAT BY FORSBERG ENGINEERING & SURVEYING, INC. DATED OCTOBER 22, 2014, LAST REVISED DECEMBER 22, 2014 AND RECORDED AT THE CHARLESTON COUNTY ROD OFFICE IN PLAT BOOK L14 PAGE 0525.
- 6) SURVEY ENTITLED "ALTA/NSPS LAND TITLE SURVEY 106 COMING ST & 99 ST. PHILIP ST." BY FORSBERG ENGINEERING & SURVEYING, INC. DATED AUGUST 1, 2024, LAST REVISED JANUARY 28, 2025. (NOT RECORDED).

LEGEND

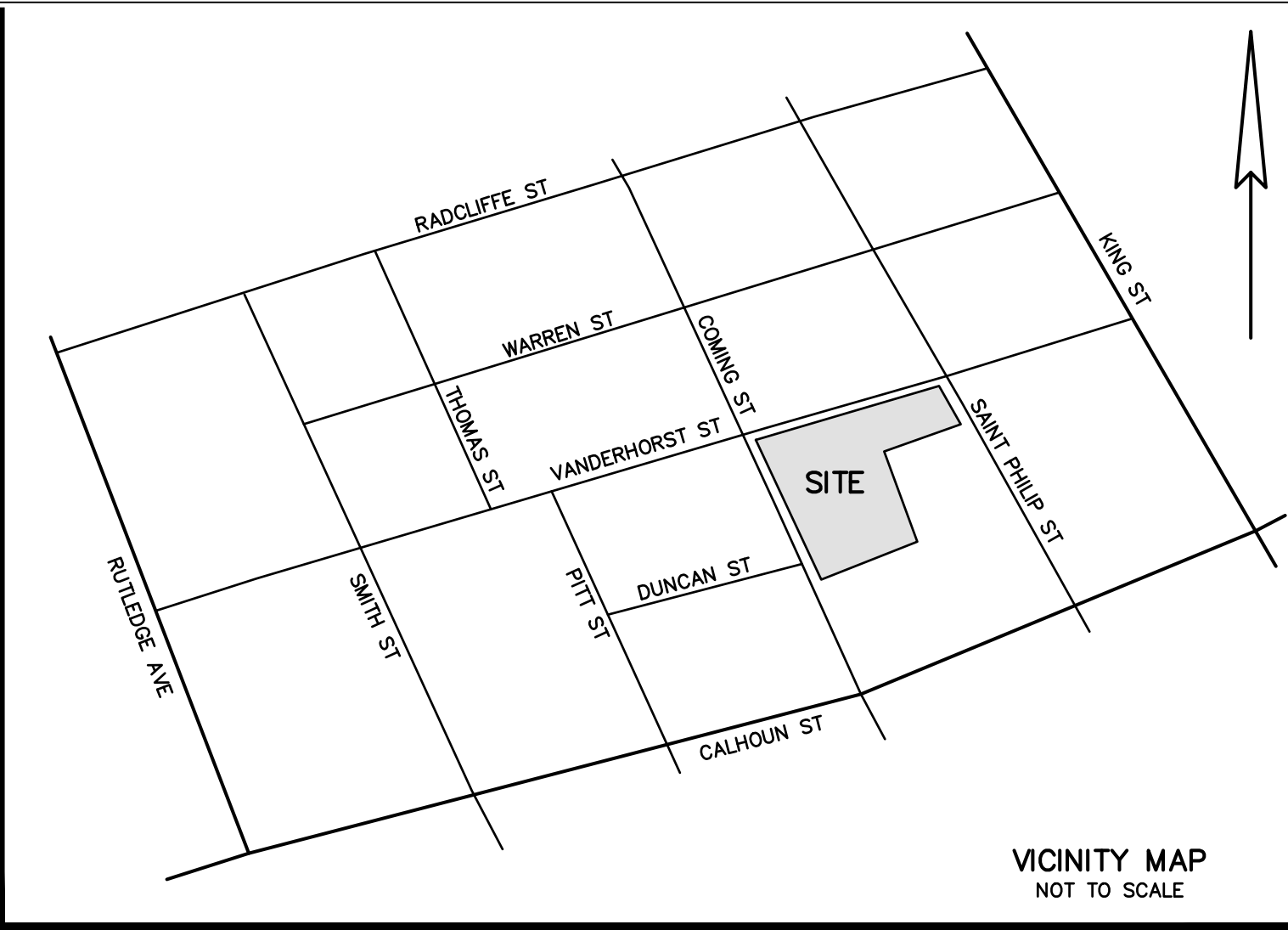
- RS - 5/8" REBAR SET
SXCS - SCRIBED "X" SET IN CONCRETE
BC - BUILDING CORNER
NWCN - WALL CORNER
OTPF - OPEN TOP PIPE FOUND
RF - REBAR FOUND
TBM - TEMPORARY BENCHMARK
DI - DROP INLET
CI - CURB INLET
IE - INVERT ELEVATION
SDMH - STORM DRAIN MANHOLE
SSMH - SANITARY SEWER MANHOLE
SSCO - SANITARY SEWER CLEANOUT
VCP - VITRIFIED CLAY PIPE
RCP - REINFORCED CONCRETE PIPE
ERCP - ELLIPTICAL REINFORCED CONCRETE PIPE
PVC - POLYVINYL CHLORIDE PIPE
DIP - DUCTILE IRON PIPE
GV - GAS VALVE
GM - GAS METER
PP - POWER POLE
LP - LIGHT POLE
GUY - GUY WIRE
EHH - ELECTRIC HAND HOLE
EM - ELECTRIC METER
TM - TRANSFORMER
EMH - ELECTRIC MANHOLE
CHH - COMMUNICATION HAND HOLE
CMH - COMMUNICATION MANHOLE
WV - WATER VALVE
WM - WATER METER
WWT - WATER VAULT
IVB - IRRIGATION VALVE BOX
BFP - BACKFLOW PREVENTER
FH - FIRE HYDRANT
STMH - STEAM LINE MANHOLE
BD - BOLLARD
TSB - TRAFFIC SIGNAL CONTROL BOX
EBP - EMERGENCY BUTTON POLE
CBC - CONCRETE BLOCK COPING
CPV - CONCRETE PAVERS
BPV - BRICK PAVERS
BRC - BRICK COLUMN
CC - CONCRETE COLUMN
WH - WATER HEATER
BF - BRICK FIREPLACE
BPL - BRICK PLANTER
BR - BRICK RACK
MBL - MARBLE
RRT - RAILROAD TIES
x 11.8 - SPOT ELEVATION (PERVIOUS SURFACE)
x 12.37 - SPOT ELEVATION (IMPERVIOUS SURFACE)
x 11.4110 - SPOT ELEVATION (TOP OF CURB)
CM - CREPE MYRTLE
MAG - MAGNOLIA
LUG - LIGUSTRUM

SIGN LEGEND

- EXS - ELECTRONIC CROSSWALK SIGN
STS - STOP SIGN
TOW - TOWING SIGN
NPS - NO PARKING SIGN
PS - PARKING SIGN
HCP - HANDICAP PARKING SIGN
OWS - ONE WAY SIGN
CAP - CLEAN UP AFTER PET SIGN
CWS - CHARLESTON WATER SYSTEM SIGN
DNE/STP - DO NOT ENTER/STOP SIGN
EOS - ENTER ONLY SIGN
TLA - TRAFFIC LIGHT AHEAD SIGN
SLS - SPEED LIMIT SIGN
SS - STREET NAME SIGN

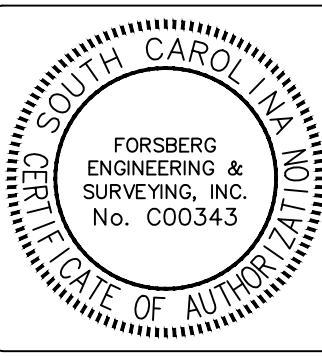
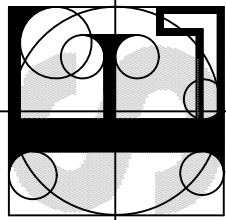
LINE LEGEND

- — — — — PROPERTY LINE
- - - - - ADJACENT PROPERTY LINE
- - - - - RIGHT OF WAY LINE
- - - - - SCE&G EASEMENT
- - - - - CHAIN LINK FENCE
- - - - - WOOD FENCE
- - - - - METAL FENCE
- - - - - OVERHEAD UTILITY LINE
- - - - - OVERHEAD TRAFFIC LIGHTS
- - - - - CONTOUR LINE
- - - - - UNDERGROUND ELECTRIC LINE
- - - - - UNDERGROUND COMMUNICATION LINE
- - - - - SANITARY SEWER LINE
- - - - - WATER LINE
- - - - - GAS LINE
- - - - - COMMUNICATION DUCT BANK
- - - - - ELECTRICAL DUCT BANK
- - - - - FEMA FLOOD ZONE LINE



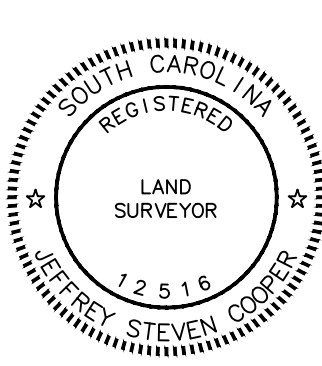
VICINITY MAP
NOT TO SCALE

**FORSBERG ENGINEERING
AND SURVEYING, INC.**
1887 SAVANNAH HIGHWAY SUITE B
P.O. BOX 58575
CHARLESTON, SOUTH CAROLINA 29417
FOR: ENGINEERING, SURVEYING
AND LAND PLANNING



TOPOGRAPHIC SURVEY

10 PARCELS
LOCATED ON SAINT PHILIP STREET,
VANDERHORST STREET & COMING STREET
CITY OF CHARLESTON, CHARLESTON COUNTY, SOUTH CAROLINA



JEFFREY S COOPER

DATE

APRIL 21, 2025

DRAWN/CHECKED

JSC/LSM

LAST REVISED

MAY 6, 2025

APPROVED

JSC

SCALE

N/A

PROJECT NO.

6490

SHEET NUMBER

C-003D

2

OF 2

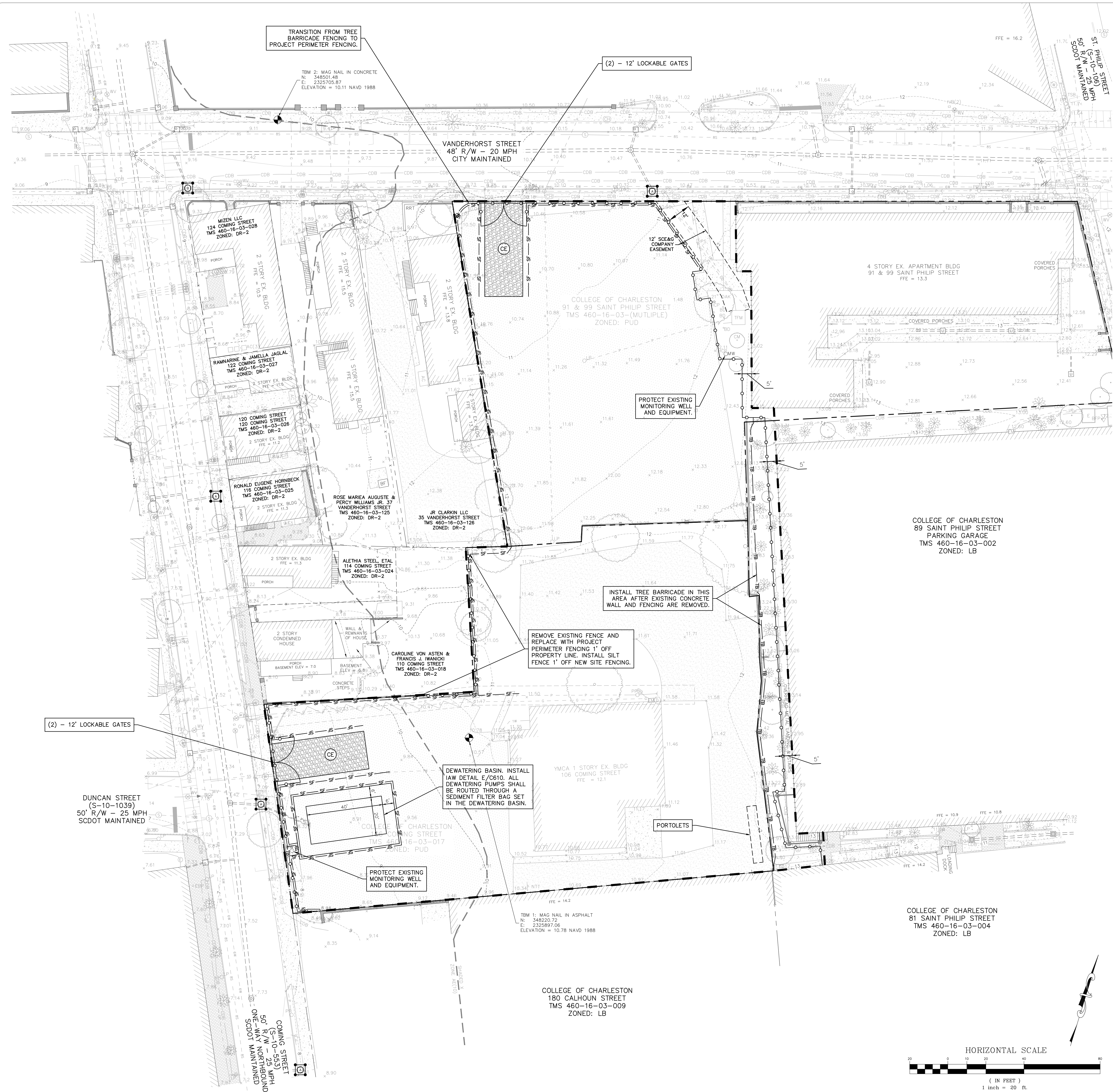


Know what's below.
Call before you dig.

THE SOUTH CAROLINA STATE LAW REQUIRES THAT EXCAVATORS GIVE A 72-HOUR NOTICE, (3) WORKING DAYS EXCLUDING WEEKENDS AND HOLIDAYS), FOR THE LOCATORS TO GET OUT TO MARK THE AREA. AFTER A TICKET HAS BEEN PROCESSED, YOU WILL KNOW WHEN YOU ARE LEGALLY FREE TO PROCEED WITH THE DIGGING WORK AND WHICH UTILITIES IN THE AREA P.U.P.S. WILL BE NOTIFYING FOR YOU. ANY UTILITIES THAT P.U.P.S. DOES NOT NOTIFY, YOU WILL BE RESPONSIBLE FOR NOTIFYING DIRECTLY. THE UTILITY COMPANIES ASK THAT YOU LEAVE A 2 1/2 FEET MARGIN ON EACH SIDE OF A MARKED UTILITY LINE. ALSO NOTE THAT YOUR REQUEST IS GOOD FOR 15 WORKING DAYS AFTER IT HAS BEEN PROCESSED BY OUR SYSTEM.

I HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINIMUM STANDARDS MANUAL FOR THE PRACTICE OF LAND SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS A SURVEY AS SPECIFIED THEREIN.


JEFFREY STEVEN COOPER, S.C. PLS #12516



GENERAL NOTES:

- SEE SHEETS C001 & C002 FOR CIVIL NOTES AND ABBREVIATIONS.
- HORIZONTAL COORDINATES ARE BASED ON SC STATE PLANE COORDINATES NAD '83. VERTICAL DATUM IS BASED ON NAVD 88.
- CONTRACTOR IS RESPONSIBLE FOR ALL WORK SHOWN, UNLESS SPECIFICALLY INDICATED OTHERWISE.
- CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE THE EXTENT OF THE PROJECT.
- CONTRACTOR SHALL CONTACT PALMETTO UTILITY LOCATION SERVICE AT 1-888-721-7877 PRIOR TO ANY WORK. CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING AND PROTECTING ALL UTILITIES. CONTACT THE ENGINEER IN THE EVENT THAT UTILITIES CONFLICT WITH NEW FACILITIES.
- ALL PROJECT STAKEOUT SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR TO BE PAID FOR BY THE CONTRACTOR. FOR STAKEOUT, DO NOT RELY SOLELY ON THE PHYSICAL SCALE AS SHOWN IN DRAWINGS. REFER TO THE GIVEN DIMENSIONS, SYMBOL LEGEND, KEYNOTES, AND REFERENCED DETAILS FOR CORRECT STAKEOUT.
- ALL CONTRACTORS/SUBCONTRACTORS/PERSON THAT WILL BE ENGAGED IN LAND DISTURBING ACTIVITIES SHALL COMPLY WITH ALL EROSION CONTROL AND STORMWATER POLLUTION PREVENTION REQUIREMENTS CONTAINED THROUGHOUT THE DRAWINGS, SPECIFICATIONS AND PERMITS.

LEGEND:

- (TS) TEMPORARY SEEDING - INSTALL IAW DETAIL C/C610.
- SF SILT FENCE - INSTALL IAW DETAIL B/C610.
- TB TREE BARRICADE - INSTALL IAW DETAIL D/C610.
- (CE) CONSTRUCTION ENTRANCE - INSTALL IAW DETAIL A/C610.
- (A) CURB INLET PROTECTION - INSTALL IAW DETAIL A/C611.
- (B) FILTER SACK INLET PROTECTION - INSTALL IAW DETAIL B/C611.
- PROJECT PERIMETER FENCING - 6' CHAIN LINK CONSTRUCTION FENCE W/ SCREEN
- DRAINAGE FLOW ARROW.
- WEIGHTED SEDIMENT TUBE - INSTALL IAW DETAIL C/C611.
- LIMITS OF DISTURBANCE / CONSTRUCTION.

LAND DISTURBANCE / SWPPP SEQUENCE OF CONSTRUCTION NOTES: INITIAL PHASE

- PRIOR TO ANY LAND DISTURBANCE ACTIVITY, CONDUCT A SWPPP PRE-CONSTRUCTION CONFERENCE. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT SWPPP PRE-CONSTRUCTION MEETING WITH SWPPP PREPARING ENGINEER, CITY OF CHARLESTON, SCDOS, OWNER AND ALL LAND DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
- INSTALL PERIMETER FENCING, LOCKABLE GATES AND TREE BARRICADES. TREE BARRICADE ALONG EASTERN PROPERTY BOUNDARY TO BE INSTALLED AFTER DEMOLITION OF NEARBY CONCRETE WALL AND METAL FENCE. CONCRETE WALL AND METAL FENCE TO BE SERVED AS TEMPORARY TREE PROTECTION UNTIL DEMOLISHED.
- STAKE OUT CLEARING LIMITS AND TREE PROTECTION AREAS.
- CONDUCT LIMITED CLEARING AND DEMOLITION AS REQUIRED TO INSTALL PERIMETER BEST MANAGEMENT PRACTICES.
- INSTALL SILT FENCE, INLET PROTECTION, CONSTRUCTION ENTRANCES AND WEIGHTED SEDIMENT TUBES AS SHOWN ON THE PLANS.
- TEMPORARILY SEED DISTURBED AREAS IAW THE PLANS, DETAILS AND THE CONSTRUCTION GENERAL PERMIT.
- MAINTAIN BEST MANAGEMENT PRACTICES THROUGHOUT CONSTRUCTION.
- COMPLETE INSPECTION REPORTS IAW THE CONSTRUCTION GENERAL PERMIT.

DEMOLITION PHASE:

- CUT AND CAP EXISTING UTILITIES IAW DEMOLITION PLANS.
- DEMOLISH EXISTING BUILDINGS, BUILDING FOUNDATIONS, SITE PAVING, AND SITE FEATURES IAW DEMOLITION PLANS. NO DEMOLITION TO OCCUR WITHIN RIGHT-OF-WAY.
- INSTALL REMAINING TREE BARRICADES AS SHOWN ON PLANS AS EXISTING WALLS AND EXISTING FENCING ARE REMOVED.
- INSTALL DEWATERING BASIN.
- PERFORM ARCHAEOLOGICAL INVESTIGATION. ROUTE DEWATERING PUMPS THROUGH DEWATERING BASIN.
- DEMOLISH EXISTING UTILITIES INCLUDING WATER, SEWER, GAS, POWER, TELECOMMUNICATIONS AND STORM DRAINAGE AS ENCOUNTERED.
- INSTALL TEST PILES.
- MASS GRADE SITE AS REQUIRED TO SHEET FLOW OFF-SITE TO COMING ST. AND VANDERHORST ST.
- TEMPORARILY SEED DISTURBED AREAS IAW THE PLANS, DETAILS AND THE CONSTRUCTION GENERAL PERMIT
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- CONTINUE INSPECTION REPORTS IAW CONSTRUCTION GENERAL PERMIT.

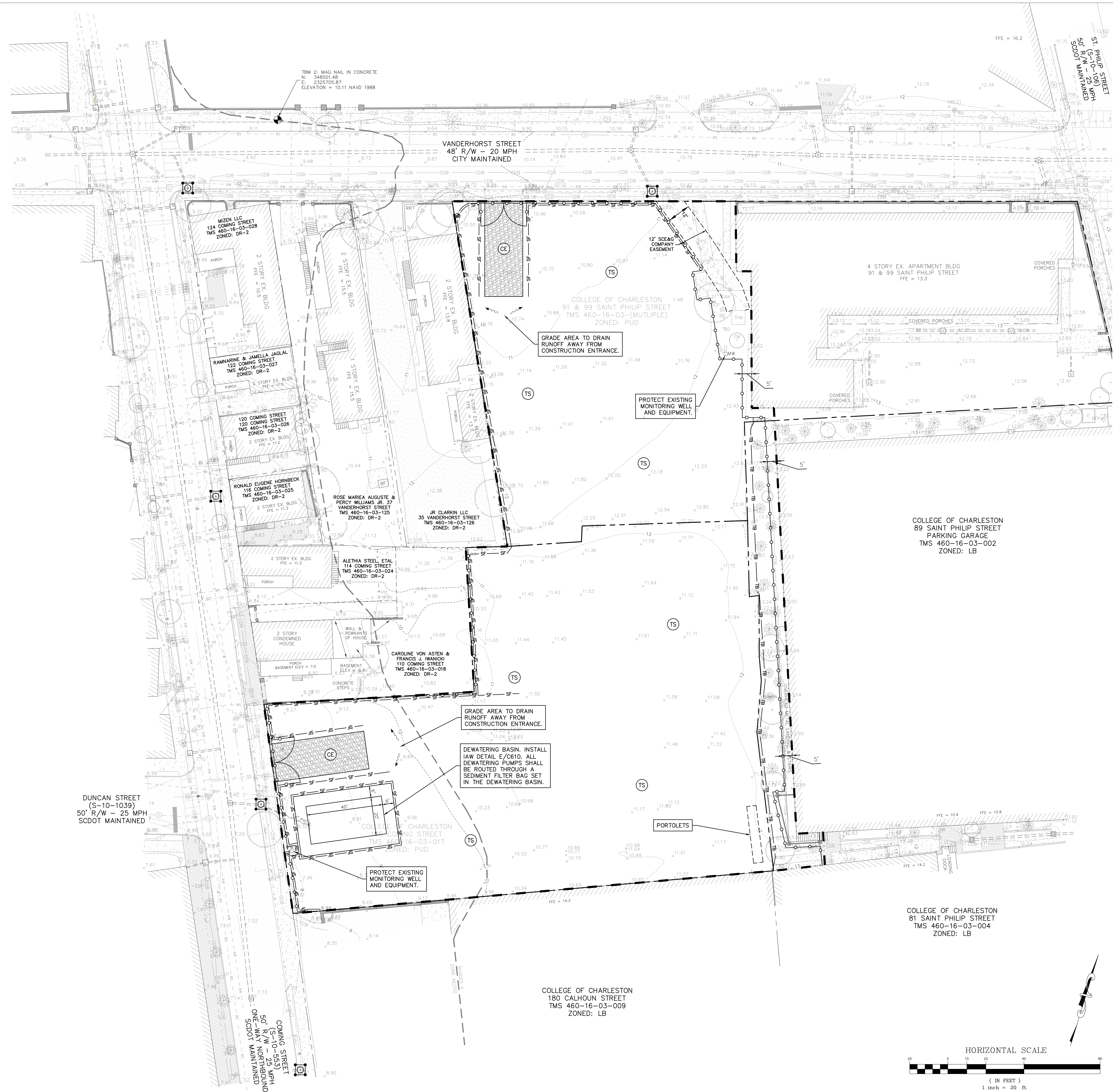
EARLY SITE PACKAGE

91 & 99 ST PHILIP STREET, 106 COMING STREET & XX VANDERHORST STREET

PROJECT 205 NEW CONSTRUCTION

State Project Number: H15-9689-ML
Project Number: 25700
Checked By: CBC / GFJ
Drawn By: JTN
Date: 08/11/25
Scale: 1" = 20'

C100 SWPPP & EROSION CONTROL - INITIAL PHASE



GENERAL NOTES:

- SEE SHEETS C001 & C002 FOR CIVIL NOTES AND ABBREVIATIONS.
- HORIZONTAL COORDINATES ARE BASED ON SC STATE PLANE COORDINATES NAD '83. VERTICAL DATUM IS BASED ON NAVD 88.
- CONTRACTOR IS RESPONSIBLE FOR ALL WORK SHOWN, UNLESS SPECIFICALLY INDICATED OTHERWISE.
- CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE THE EXTENT OF THE PROJECT.
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LEGEND:

- (TS) TEMPORARY SEEDING - INSTALL IAW DETAIL C/C610.
- SF — SILT FENCE - INSTALL IAW DETAIL B/C610.
- TB — TREE BARRICADE - INSTALL IAW DETAIL D/C610.
- (CE) CONSTRUCTION ENTRANCE - INSTALL IAW DETAIL A/C610.
- (A) CURB INLET PROTECTION - INSTALL IAW DETAIL A/C611.
- (B) FILTER SACK INLET PROTECTION - INSTALL IAW DETAIL B/C611.
- — PROJECT PERIMETER FENCING - 6' CHAIN LINK CONSTRUCTION FENCE W/ SCREEN
- — DRAINAGE FLOW ARROW.
- (S) WEIGHTED SEDIMENT TUBE - INSTALL IAW DETAIL C/C611.
- — LIMITS OF DISTURBANCE / CONSTRUCTION.

LAND DISTURBANCE / SWPPP SEQUENCE OF CONSTRUCTION NOTES:

INITIAL PHASE

- PRIOR TO ANY LAND DISTURBANCE ACTIVITY, CONDUCT A SWPPP PRE-CONSTRUCTION CONFERENCE. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT SWPPP PRE-CONSTRUCTION MEETING WITH SWPPP PREPARING ENGINEER, CITY OF CHARLESTON, SDCS, OWNER AND ALL LAND DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
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- MAINTAIN BEST MANAGEMENT PRACTICES THROUGHOUT CONSTRUCTION.
- COMPLETE INSPECTION REPORTS IAW THE CONSTRUCTION GENERAL PERMIT.

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- DEMOLISH EXISTING BUILDINGS, BUILDING FOUNDATIONS, SITE PAVING, AND SITE FEATURES IAW DEMOLITION PLANS. NO DEMOLITION TO OCCUR WITHIN RIGHT-OF-WAY.
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- MASS GRADE SITE AS REQUIRED TO SHEET FLOW OFF-SITE TO COMING ST. AND VANDERHORST ST.
- TEMPORARILY SEED DISTURBED AREAS IAW THE PLANS, DETAILS AND THE CONSTRUCTION GENERAL PERMIT.
- MAINTAIN BEST MANAGEMENT PRACTICES THROUGH OUT CONSTRUCTION.
- COMPLETE INSPECTION REPORTS IAW CONSTRUCTION GENERAL PERMIT.
- SCHEDULE AN ONSITE INSPECTION WITH THE CITY OF CHARLESTON, THE ENGINEER AND THE OWNER AFTER THE SITE IS TEMPORARILY STABILIZED AND PRIOR TO FULL SITE PLAN WORK.
- CONTINUE INSPECTION REPORTS IAW CONSTRUCTION GENERAL PERMIT.

EARLY SITE PACKAGE

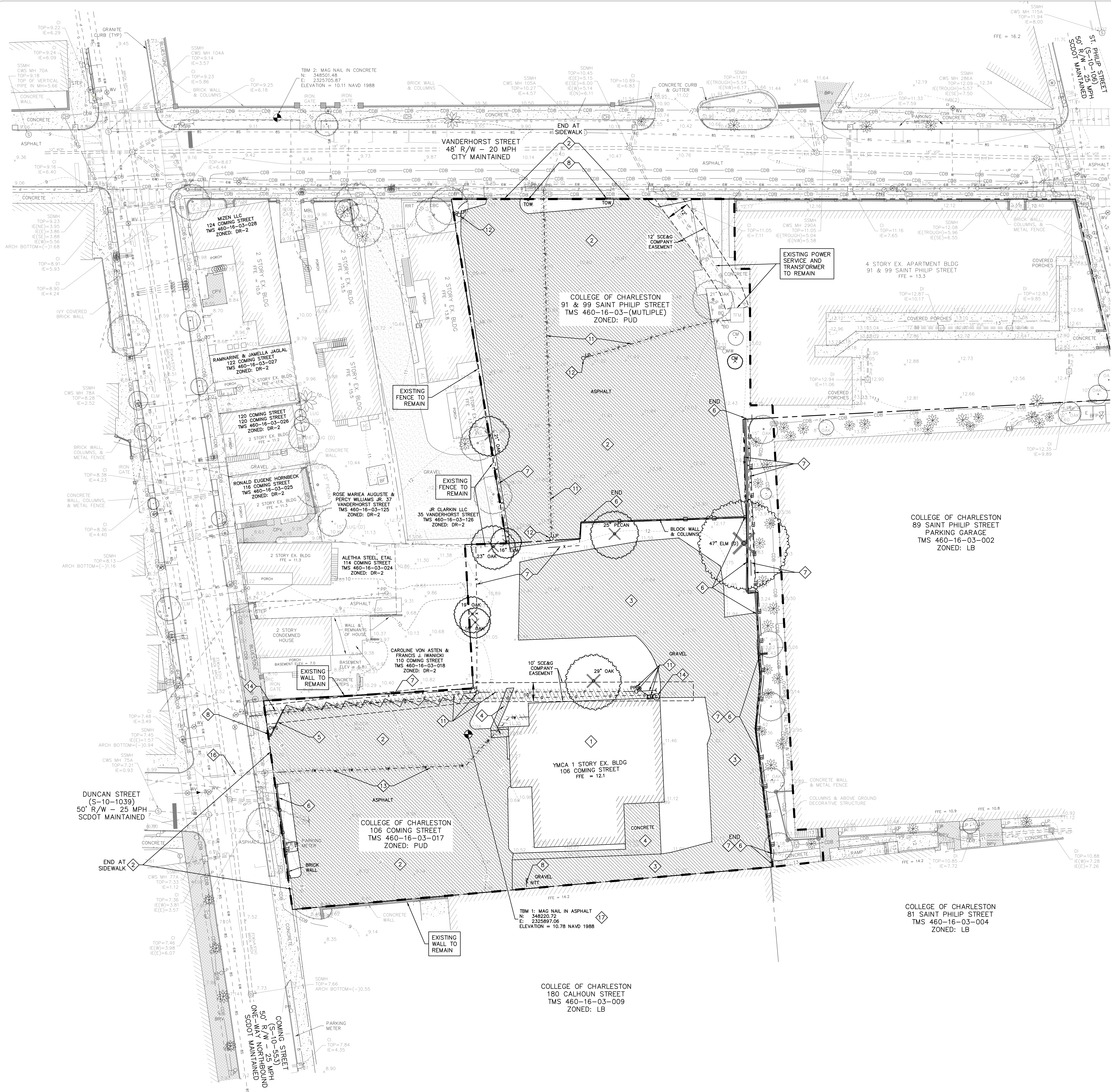
91 & 99 ST PHILIP STREET, 106 COMING STREET & XX VANDERHORST STREET



PROJECT 205 NEW CONSTRUCTION

State Project Number: H15-9689-ML
Project Number: 25700
Checked By: CBC / GFJ
Drawn By: JTN
Date: 08/11/25
Scale: 1" = 20'

C101 SWPPP & EROSION CONTROL - DEMOLITION PHASE



GENERAL NOTES:

1. SEE SHEETS C001 & C002 FOR CIVIL NOTES AND ABBREVIATIONS.
2. HORIZONTAL COORDINATES ARE BASED ON SC STATE PLANE COORDINATES NAD '83. VERTICAL DATUM IS BASED ON NAVD 88.
3. CONTRACTOR IS RESPONSIBLE FOR ALL WORK SHOWN, UNLESS SPECIFICALLY INDICATED OTHERWISE.
4. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE THE EXTENT OF THE PROJECT.
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7. ALL CONTRACTORS/SUBCONTRACTORS/PERSON THAT WILL BE ENGAGED IN LAND DISTURBING ACTIVITIES SHALL COMPLY WITH ALL EROSION CONTROL AND STORMWATER POLLUTION PREVENTION REQUIREMENTS CONTAINED THROUGHOUT THE DRAWINGS, SPECIFICATIONS AND PERMITS.

KEYNOTES:

1. DEMOLISH BUILDING AND STRUCTURES.
2. DEMOLISH ASPHALT PARKING AREA TO LIMITS SHOWN.
3. DEMOLISH GRVEL PARKING AREA TO LIMITS SHOWN.
4. REMOVE EXISTING CONCRETE SIDEWALK TO THE LIMITS SHOWN. REMOVAL SHALL BE TO THE NEXT NEAREST JOINT.
5. REMOVE EXISTING CONCRETE CURB TO LIMITS SHOWN. REMOVAL SHALL BE TO THE NEXT NEAREST JOINT.
6. REMOVE EXISTING WALL.
7. REMOVE EXISTING FENCING.
8. REMOVE EXISTING SIGN.
9. NOT USED.
10. NOT USED.
11. REMOVE ELECTRICAL LINES & UTILITIES IAW ELECTRICAL PLANS.
12. REMOVE EXISTING LIGHT POLES.
13. PLUG AND CAP EXISTING 1" WATER SERVICE LINE AT PROPERTY LINE. COORDINATE WITH CWS FOR INSPECTION. REMOVE EXISTING WATER METER AND RETURN TO CHARLESTON WATER SYSTEM. DEMOLISH ON-SITE WATER INFRASTRUCTURE, AS ENCOUNTERED.
14. COORDINATE WITH DOMINION GAS TO PLUG AND CAP EXISTING GAS LINE AT PROPERTY LINE AND TO REMOVE EXISTING GAS REGULATOR. DEMOLISH ON-SITE GAS INFRASTRUCTURE AS ENCOUNTERED.
15. NOT USED.
16. PLUG AND CAP EXISTING SEWER PIPING AT PROPERTY LINE. COORDINATE WITH CWS FOR INSPECTION. DEMOLISH ON-SITE SEWER INFRASTRUCTURE AS ENCOUNTERED.
17. RELOCATE EXISTING PROJECT BENCHMARK, BY SC LICENSED SURVEYOR.

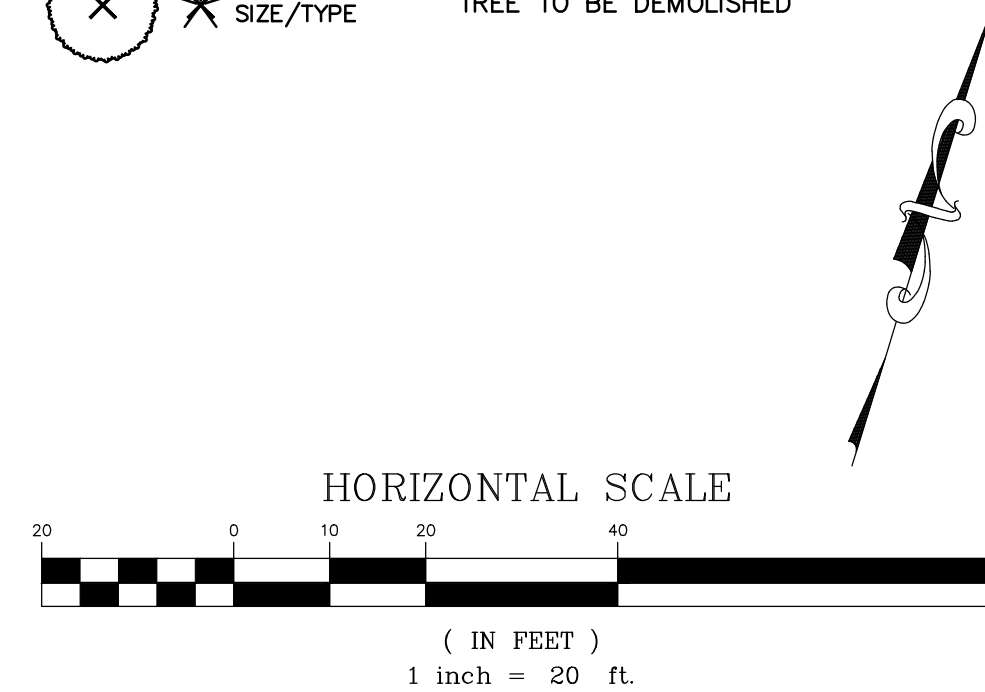
EXISTING SITE LEGEND

---	W	WV	WATER LINE W/ VALVE
---	WS		WATER SERVICE
---	S		SANITARY SEWER PIPE
---	SS		SANITARY SEWER SERVICE
---	SD		STORM DRAIN
---	SD		PERFORATED STORM DRAIN
---	P		POWER LINE (OVERHEAD)
---	UP		POWER LINE (UNDERGROUND)
---	EDB		ELECTRICAL DUCT BANK
---	CBD		COMMUNICATIONS DUCT BANK
---	UC		COMMUNICATIONS LINE (UNDERGROUND)
---	G		GAS LINE
---	ST		STEAM LINE

○	SIZE/TYPE	EXISTING TREE
○	PP	POWER POLE, GUY WIRE
○	E	ELECTRICAL BOX, HAND HOLE
○	LP	LIGHT POLE
○	S	SANITARY MANHOLE
○	CO	SEWER CLEANOUT
○	CB	CATCH BASIN
○	FI	FIRE HYDRANT
○	FDC	FIRE DEPARTMENT CONNECTION
○	PIV	POST INDICATOR VALVE
○	ICV	IRRIGATION VALVE
○	WV	WATER VAULT, MANHOLE
○	C	COMMUNICATION MANHOLE, VAULT
○	CP	COMMUNICATION HANDHOLE, PEDESTAL
○	ACU	AIR CONDITION UNIT
○	GMV	GAS METER, VALVE
---	X	FENCE
---	24	SIGN
---	23.45	CONTOUR
---		SPOT ELEVATION
---		PROPERTY LINE
---		LIMITS OF CONSTRUCTION/DISTURBANCE

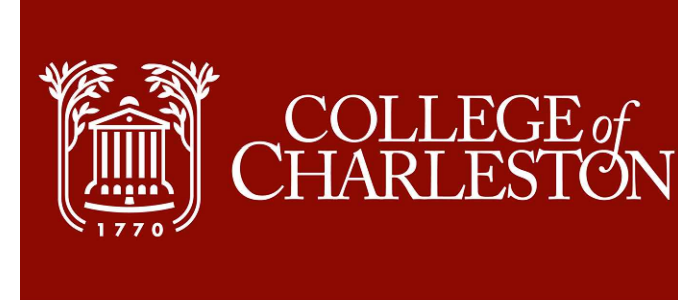
EXISTING DEMO LEGEND

---	ITEMS TO BE DEMOLISHED
○	TREE TO BE DEMOLISHED



EARLY SITE PACKAGE

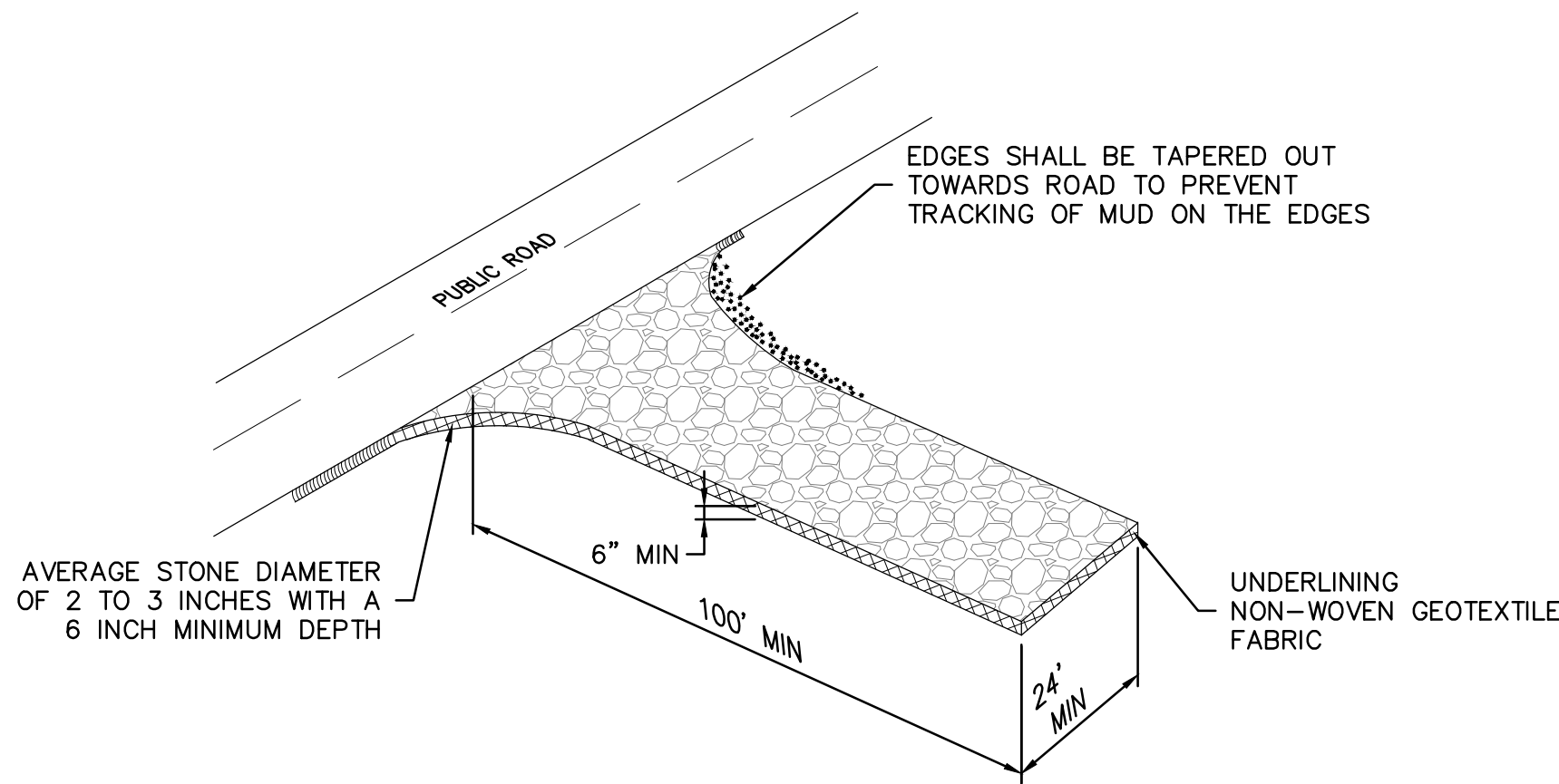
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PROJECT 205 NEW CONSTRUCTION

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C110
EXISTING
CONDITIONS &
DEMOLITION PLAN

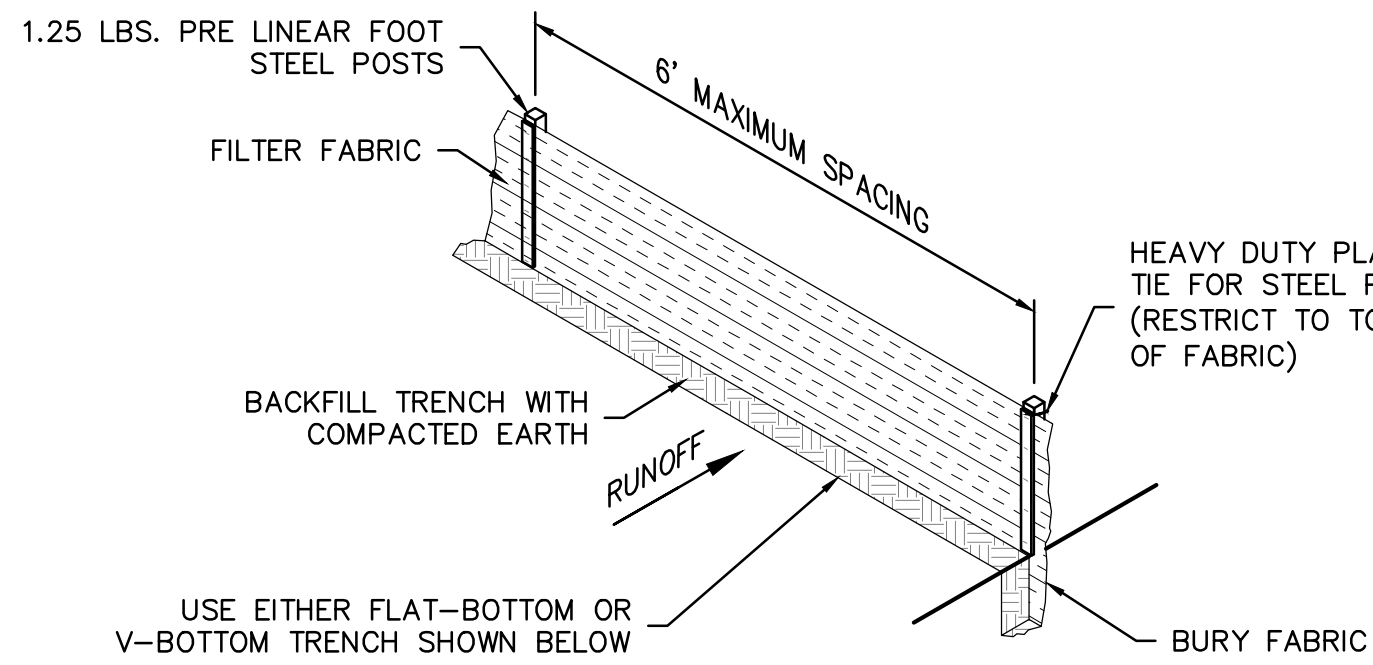


NOTES:

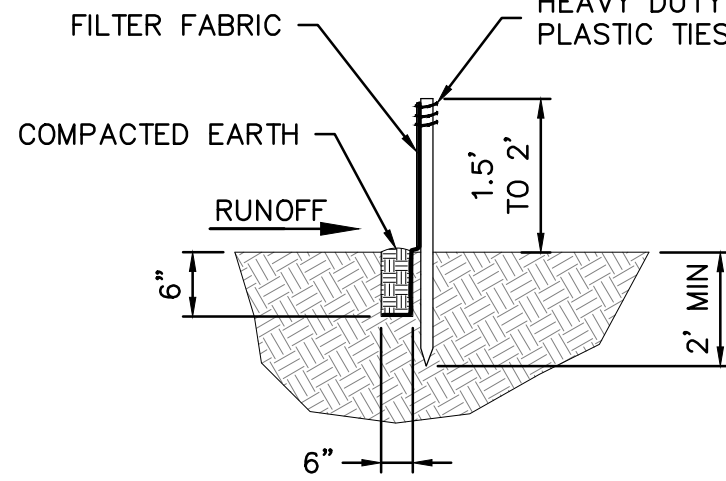
1. INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.
2. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN OR OTHER SEDIMENT TRAPPING STRUCTURE.

GENERAL NOTES:

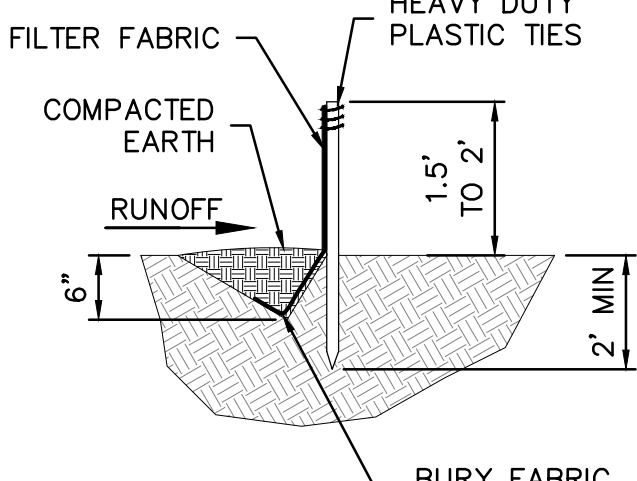
1. STABILIZED CONSTRUCTION ENTRANCES SHOULD BE USED AT ALL POINTS WHERE TRAFFIC WILL EGRESS/INGRESS A CONSTRUCTION SITE ONTO A PUBLIC ROAD OR ANY IMPERVIOUS SURFACES, SUCH AS PARKING LOTS.
2. INSTALL A NON-WOVEN GEOTEXTILE FABRIC PRIOR TO PLACING ANY STONE.
3. INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.
4. THE ENTRANCE SHALL CONSIST OF 2-INCH TO 3-INCH D50 STONE PLACED AT A MINIMUM DEPTH OF 6-INCHES.
5. MINIMUM DIMENSIONS OF THE ENTRANCE SHALL BE 24-FOOT WIDE BY 100-FOOT LONG, AND MAY BE MODIFIED AS NECESSARY TO ACCOMMODATE SITE CONSTRAINTS.
6. THE EDGES OF THE ENTRANCE SHALL BE TAPERED OUT TOWARDS THE ROAD TO PREVENT TRACKING AT THE EDGE OF THE ENTRANCE.
7. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN OR OTHER SEDIMENT TRAPPING STRUCTURE.
8. LIMESTONE MAY NOT BE USED FOR THE STONE PAD.



SILT FENCE INSTALLATION



FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL

GENERAL NOTES:

1. 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.
2. MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE SILT FENCE SHALL BE 100-FEET.
3. MAXIMUM SLOPE STEEPNESS (NORMAL [PERPENDICULAR] TO THE FENCE LINE) SHALL BE 2:1.
4. 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.
5. ATTACH FILTER FABRIC TO THE STEEL POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED WITHIN THE TOP 8-INCHES OF THE FABRIC.
6. 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 CLEANOUT.
7. 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.

FABRIC REQUIREMENTS:

1. 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.
2. 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.
3. 12-INCHES OF THE FABRIC SHOULD BE PLACED WITHIN EXCAVATED TRENCH AND TOED IN WHEN THE TRENCH IS BACKFILLED.
4. FILTER FABRIC SHALL BE PURCHASED IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS.
5. FILTER FABRIC SHALL BE INSTALLED AT A MINIMUM OF 24-INCHES ABOVE THE GROUND.

POST REQUIREMENTS:

1. 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.
 - WEIGH 1.25 POUNDS PER FOOT (± 8%)
2. POSTS SHALL BE EQUIPPED WITH PROJECTIONS TO AID IN FASTENING OF FILTER FABRIC.
3. 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.
4. 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.
5. POST SPACING SHALL BE AT A MAXIMUM OF 6-FEET ON CENTER.

INSPECTION AND 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.

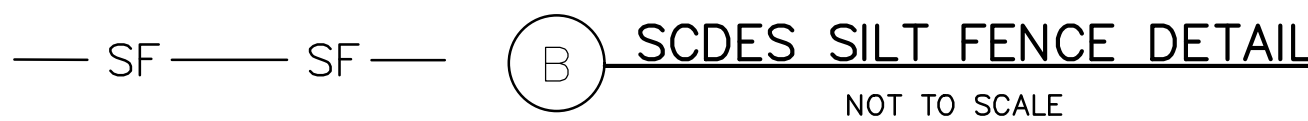
REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SILT FENCE.

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.



NOTES:

1. THE GENERAL CONTRACTOR IS REQUIRED TO, AT A MINIMUM, INITIATE SOIL STABILIZATION MEASURES IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT LIKELY RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. DIVERSION CHANNELS/DITCHES SHALL BE STABILIZED WITHIN 7 DAYS OF INSTALLATION.
2. THE GENERAL CONTRACTOR HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETE SOIL PREPARATION, SEEDING, MULCHING, AND ANY OTHER REQUIRED ACTIVITIES RELATED TO THE PLANTING AND ESTABLISHMENT OF VEGETATION. THE GENERAL CONTRACTOR ALSO HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETELY INSTALL NON-VEGETATED MEASURES, IF UTILIZED.
3. ALL DISTURBED AREAS MUST BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES APPROPRIATE FOR SITE SOIL AND CLIMATE CONDITIONS. MULCH IS REQUIRED FOR ALL SEEDING APPLICATIONS, AND ALL MULCH APPLICATIONS MUST INCLUDE A SUITABLE FORM OF MULCH ANCHORING TO MINIMIZE MOVEMENT OF MULCH BY WIND OR WATER.

SEEDING PREPARATION:

- A. TILL AREA TO BE SEED TO A DEPTH OF 4".
- B. APPLY 10-10-10 FERTILIZER AT A RATE OF 11.5 POUNDS PER 1,000 SQUARE FEET.
- C. THE FERTILIZER SHALL BE WORKED INTO THE TOP 4 INCHES OF SOIL PRIOR TO SEEDING.

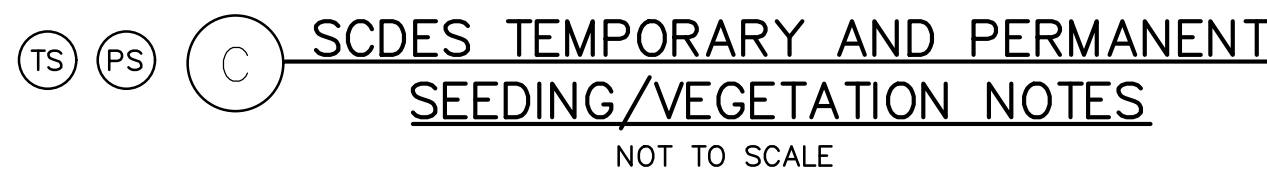
STRAW MULCH:

- A. APPLY STRAW MULCH BY HAND OR MACHINE AT A RATE OF 1.5-2.0 TONS PER ACRE (90 POUNDS PER 1,000 SF) THEN TACKED WITH EMULSIFIED ASPHALT.

4. ALTERNATIVE STABILIZATION MEASURES TO SEEDING, SUCH AS ANCHORED MULCH APPLICATION (WITHOUT SEEDING), MAY BE UTILIZED DURING PERIODS WHEN VEGETATIVE GROWTH IS UNLIKELY (E.G. WINTER MONTHS).
5. IT IS NOT ACCEPTABLE TO ALLOW BARE SOIL TO REMAIN EXPOSED AT ANY TIME DURING THE YEAR, REGARDLESS OF WEATHER/TEMPERATURE/SITE CONDITIONS.
6. ALTERNATIVE STABILIZATION MEASURES INCLUDE, BUT ARE NOT LIMITED TO: ANCHORED STRAW/HAY MULCH, WOOD CELLULOSE FIBER MULCH, SPRAY-ON SOIL GLUES/BINDERS, AND ROLLED EROSION CONTROL PRODUCTS.
7. ALL ROLLED EROSION CONTROL PRODUCTS SHALL HAVE CURRENT QDOR(TM) STATUS ISSUED BY THE EROSION CONTROL TECHNOLOGY COUNCIL (ECTC) PLUS ANY STATE OR AGENCY-SPECIFIC REQUIREMENTS. EVIDENCE OF QDOR(TM) APPROVAL SHALL ACCOMPANY THE PRODUCT SHIPPED TO THE JOBSITE FOR READY IDENTIFICATION BY THE CONTRACTOR OR AGENCY INSPECTOR.
8. ROLLED EROSION CONTROL PRODUCTS (NETS, BLANKETS, TURF REINFORCED MATES) AND VEGETATED AREAS NOT MEETING REQUIRED VEGETATIVE DENSITIES FOR FINAL STABILIZATION MUST BE INSPECTED DAILY. RILLING, RUTTING AND OTHER SIGNS OF EROSION INDICATE THE SPECIFIED EROSION CONTROL DEVICE IS NOT FUNCTIONING OR INSTALLED PROPERLY AND/OR ADDITIONAL EROSION CONTROL DEVICES ARE WARRANTED.

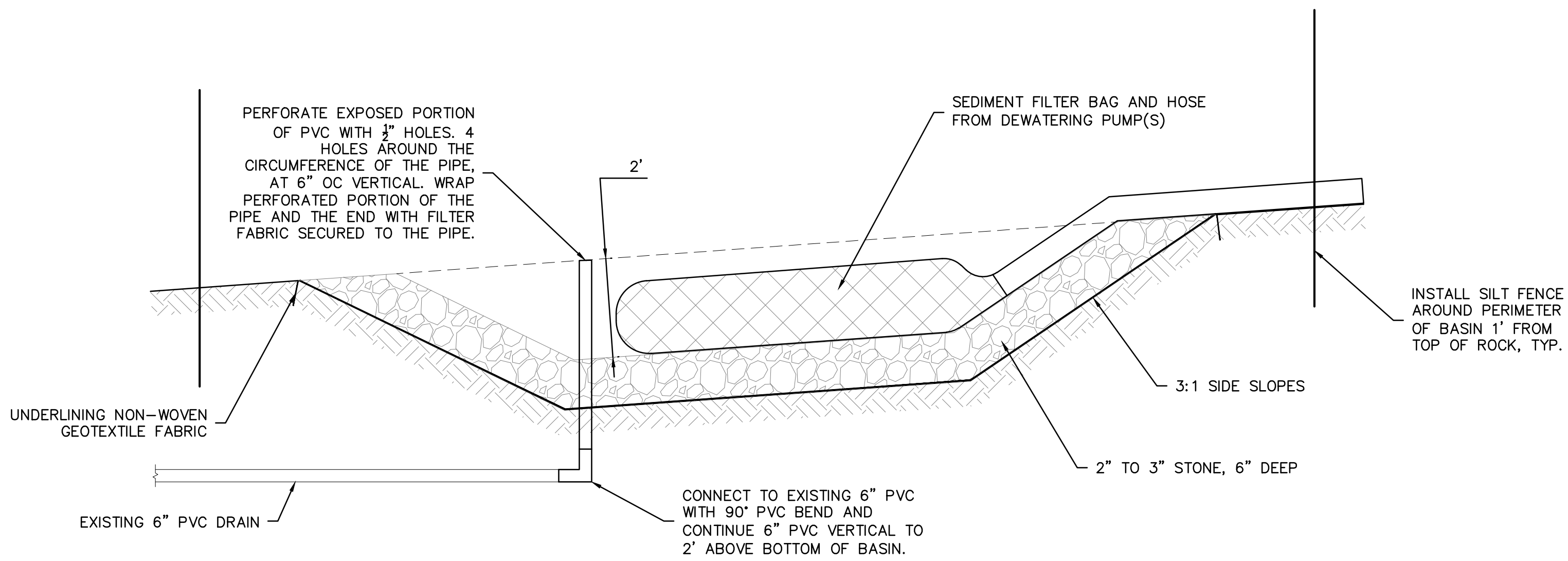
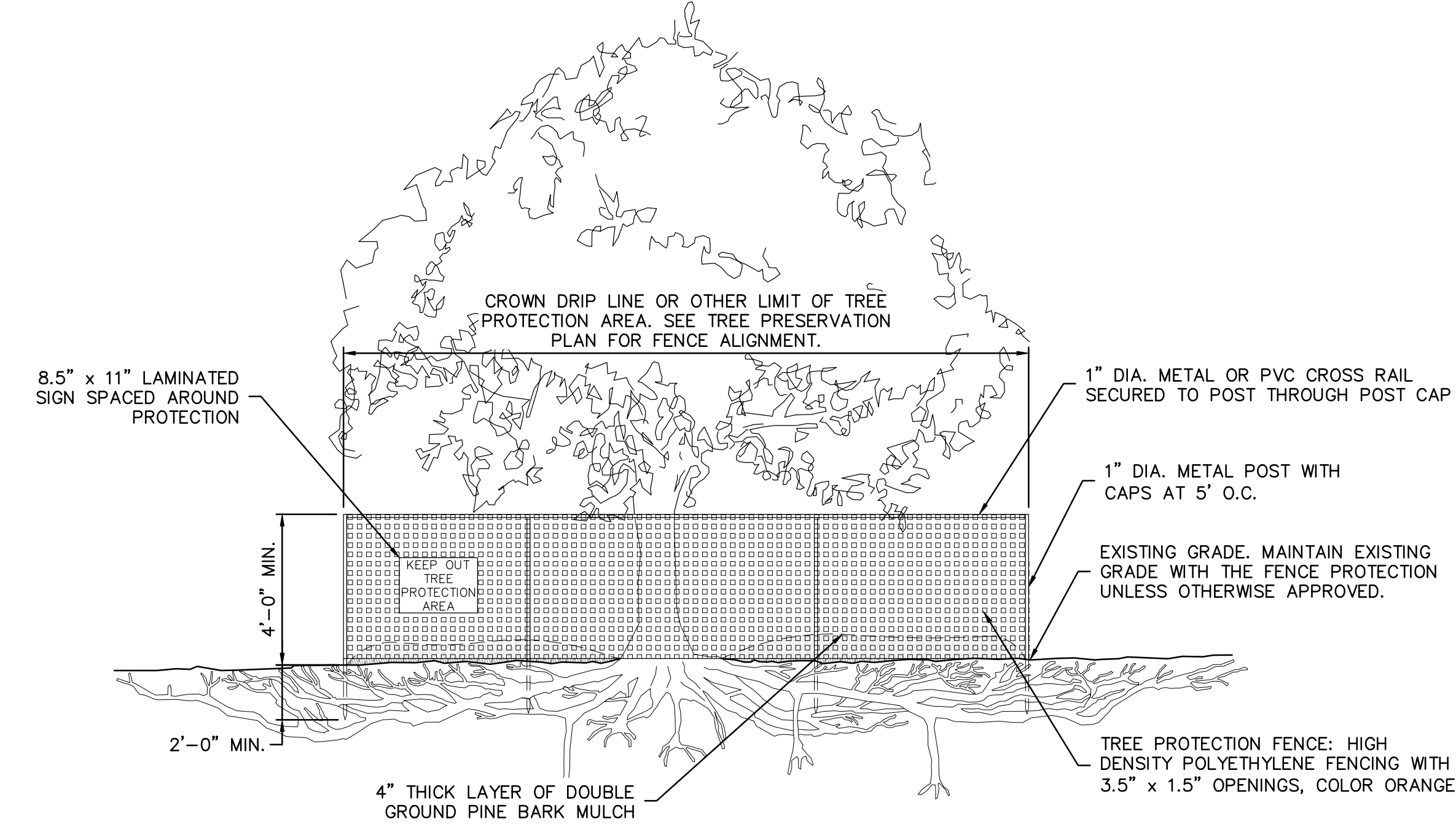
SCDES PERMANENT SEEDING -- COASTAL												
SPECIES	LBS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
SANDY, DROUGHTY SITES												
BROWNTOP MILLET	10											
BANAGRASS	40											
BROWNTOP MILLET	10											
BANAGRASS	40											
SERICEA LESPEDeza	30											
BROWNTOP MILLET	10											
ATLANTIC CRISTAL	10											
PANIC GRASS	PLS											
BROWNTOP MILLET	10											
SWITCHGRASS	40											
LITTLE BLUESTEM	40											
SERICEA LESPEDeza	30											
BROWNTOP MILLET	10											
WEeping LOVEGRASS	10											
WELL DRAINED, CLAYEY/LOAMEY SITES												
BROWNTOP MILLET	10											
BANAGRASS	40											
RYE GRASS	50											
CLOVER-CRIMSON	5											
(ANNUAL)	10											
BROWNTOP MILLET	10											
BANAGRASS	40											
SERICEA LESPEDeza	30											
BROWNTOP MILLET	10											
BANAGRASS	40											
SERICEA LESPEDeza	30											
BROWNTOP MILLET	10											
BERMUDA COMMON	10											
KORE LESPEDeza	12											
(ANNUAL)	10											
BROWNTOP MILLET	10											
BANAGRASS	40											
BERMUDA COMMON	10											
SERICEA LESPEDeza	30											
BROWNTOP MILLET	10											
WEeping LOVEGRASS	10											
LITTLE BLUESTEM	40											
INDIANGRASS	3											
PLS	10											

SCDES TEMPORARY SEEDING -- COASTAL												
SPECIES	LBS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
SANDY, DROUGHTY SITES												
BROWNTOP MILLET	40											
RYE GRASS	50											
RYEGRASS	50											
WELL DRAINED, CLAYEY/LOAMEY SITES												
BROWNTOP MILLET OR JAPANESE MILLET	40											
RYE GRASS OR OATS	50											
RYEGRASS	50											



NOTES:

1. SEE SPECIFICATIONS FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
2. NO PRUNING SHALL BE PERFORMED WITHOUT SPECIFIC CONSULTATION AND APPROVAL BY THE CITY OF CHARLESTON DEPARTMENT OF PARKS. ALL PRUNING MUST BE PERFORMED BY A CERTIFIED ARBORIST.
3. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING FOR ANY REASON INCLUDING FENCE INSTALL.
4. TREE BARRICADES SHALL BE ERECTED AT A MINIMUM DISTANCE FROM THE BASE OF THE PROTECTED TREES AND/OR GRAND TREES ACCORDING TO THE FOLLOWING STANDARDS:
 - FOR PROTECTED TREES 23" DIAMETER BREAST HEIGHT (DBH) OR LESS, PROTECTIVE BARRICADES SHALL BE PLACED A MINIMUM DISTANCE OF TEN (10) FEET FROM THE BASE OF EACH PROTECTED TREE.
 - FOR PROTECTED TREES GREATER THAN 23" DBH AND GRAND TREES, PROTECTIVE BARRICADES SHALL PROVIDE A DIAMETER OF PROTECTION AROUND THE TREE EQUAL IN FEET TO THE DBH OF THE TREE (24" DBH TREE = 24' DIA. BARRICADE).
5. BARRICADES MAY BE ADJUSTED TO ADDRESS EXISTING TREE WELLS, SIDEWALKS, OR OTHER ITEMS. ADJUSTMENTS MUST BE MADE UPON STRICT REVIEW AND APPROVAL FORM THE DEPARTMENT OF PARKS.



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1640 Meeting Street Rd
Suite 202
Charleston, SC 29405

P 843.762.2222

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GROSS**

1040 Hull Street, Suite 100
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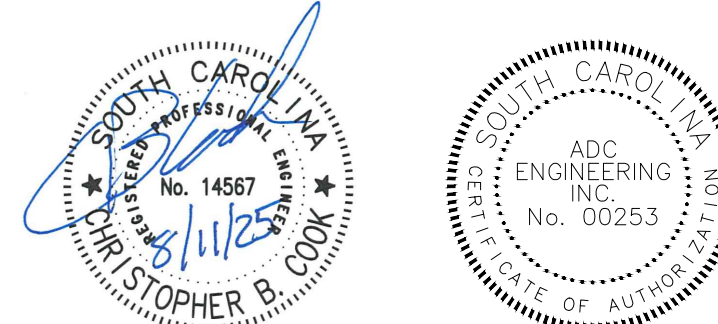
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#25039



Revision Date Description

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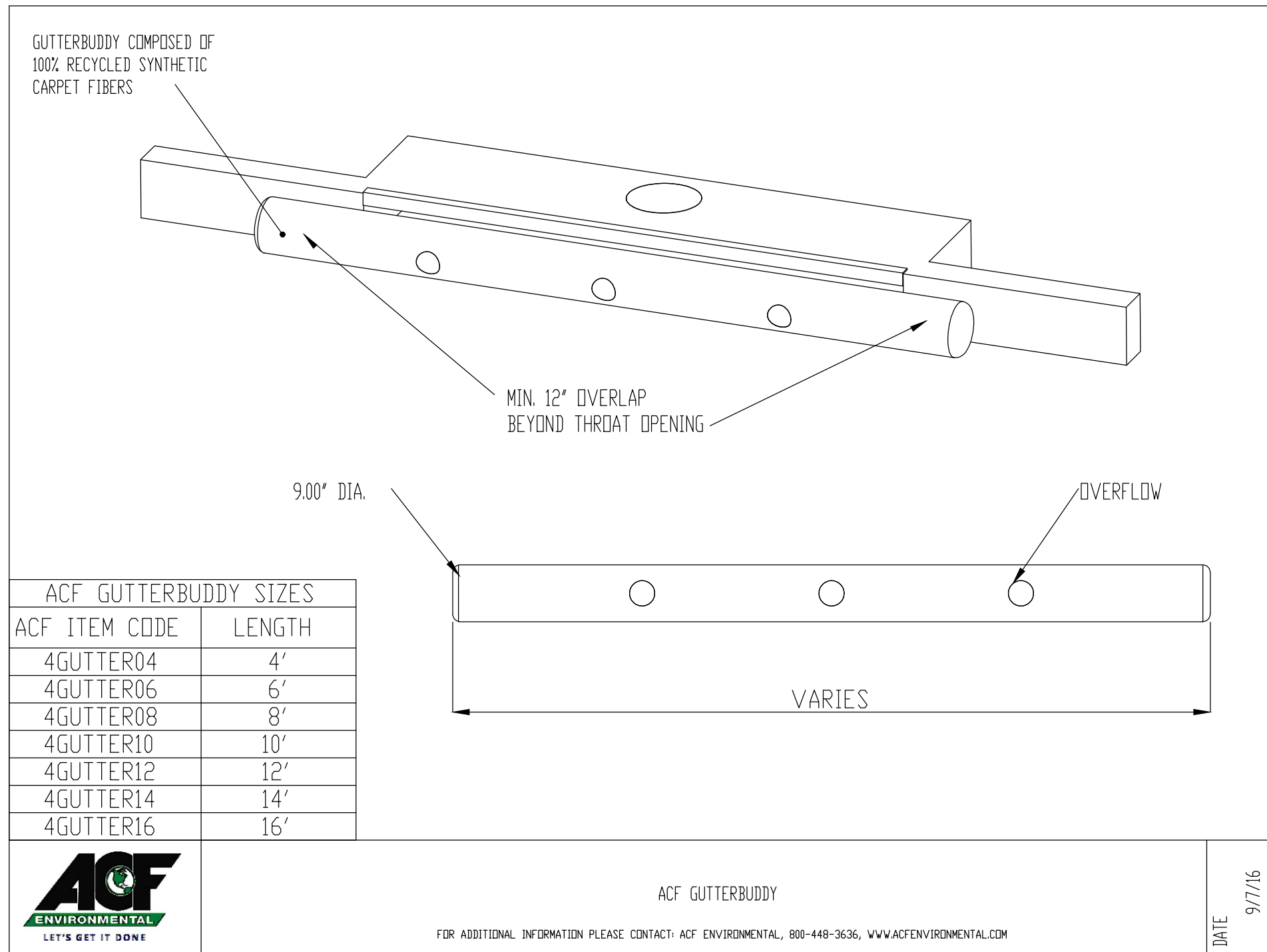
91 & 99 ST PHILIP STREET, 106 COMING STREET & XX VANDERHORST STREET



PROJECT 205 NEW CONSTRUCTION

State Project Number: H15-9689-ML
Project Number: 25700
Checked By: CBC / GFJ
Drawn By: JTN
Date: 08/11/25
Scale:

C610 CIVIL DETAILS - SWPPP & EROSION CONTROL

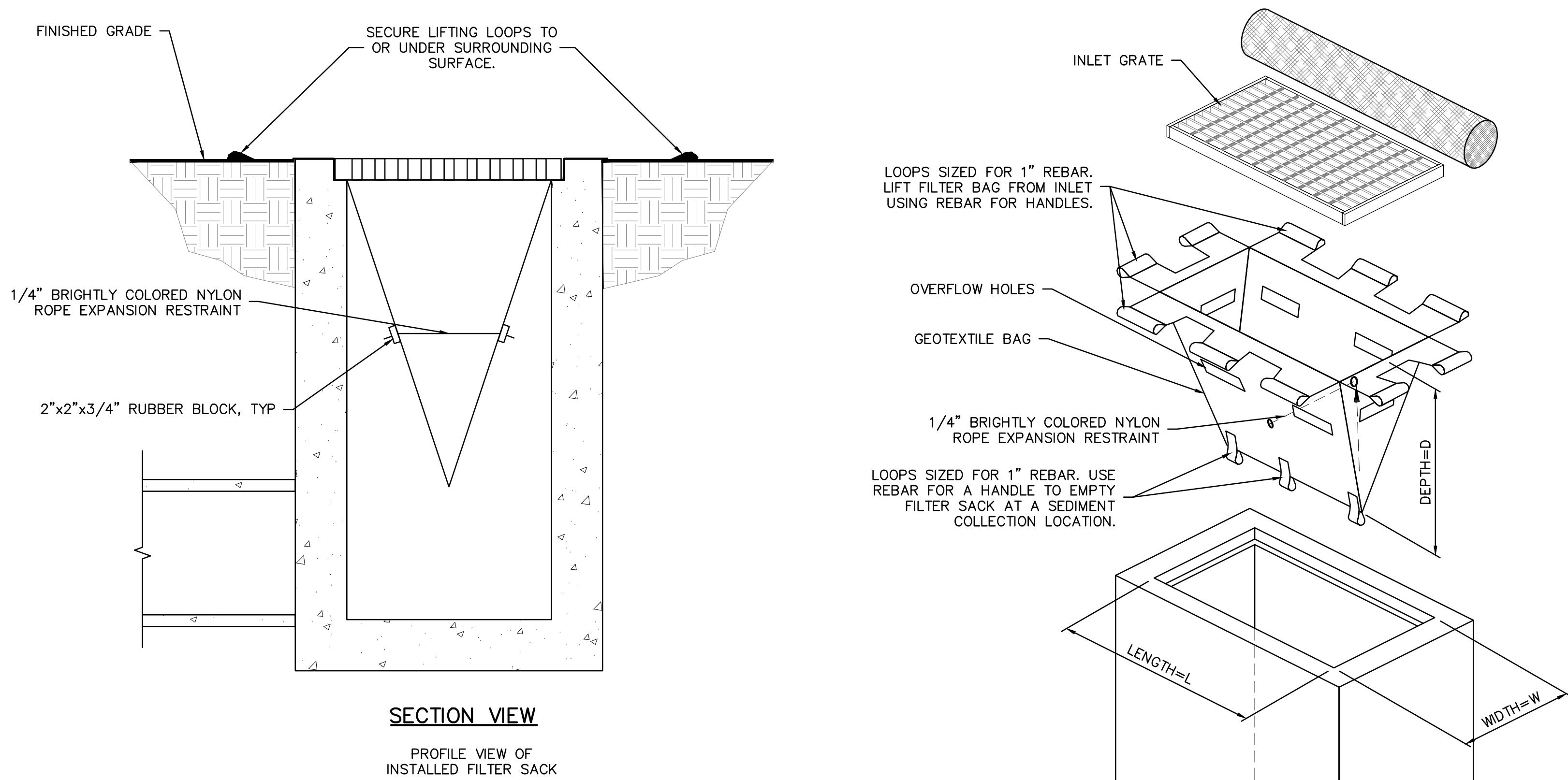


GENERAL NOTES:

- CONTRACTOR SHALL UTILIZE ACF ENVIRONMENTAL GUTTERBUDDY INLET PROTECTION, OR APPROVED EQUAL, FOR CURB INLETS. APPROVED EQUAL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- ONLY USE SURFACE CURB INLET FILTERS THAT ARE A MINIMUM LENGTH THAT IS 2-FOOT LONGER THAN THE LENGTH OF THE CURB OPENING.
- SURFACE COURSE INLETS FILTERS THAT ARE DESIGNED TO COMPLETELY BLOCK THE INLET OPENING ARE PROHIBITED. ACCEPTABLE INLET FILTERS SHOULD ALLOW FOR OVERFLOWS TO ENTER THE CATCH BASIN.
- EACH FILTER SHOULD HAVE AGGREGATE COMPARTMENTS FOR STONE, SAND, AND OTHER WEIGHTED MATERIALS OR MECHANISMS TO HOLD THE UNIT IN PLACE. FILL AGGREGATE COMPARTMENTS TO A LEVEL (AT LEAST 1/2 FULL) TO HOLD THE FILTER IN PLACE AND CREATE A SEAL BETWEEN THE FILTER AND THE ROAD SURFACE.

CURB INLET PROTECTION

NOT TO SCALE



SECTION VIEW

PROFILE VIEW OF
INSTALLED FILTER SACK

ISOMETRIC VIEW

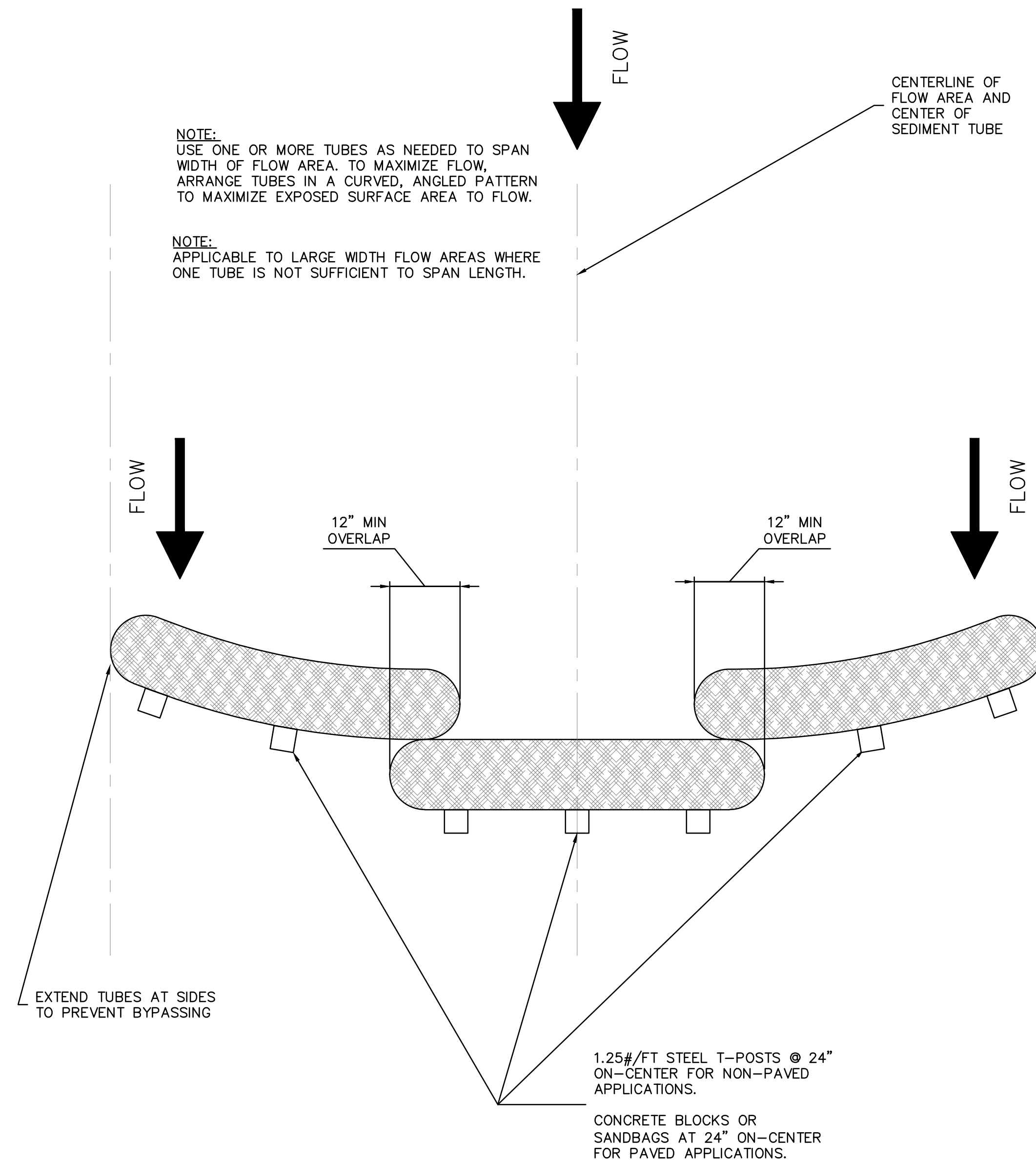
NOTES:

- REMOVE TRAPPED SEDIMENT WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
- GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
- PLACE AN OIL ADSORBENT PAD OR PILLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
- INSPECT PER REGULATORY REQUIREMENTS.
- THE WIDTH, "W", OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
- THE DEPTH, "D", OF THE FILTER SACK SHALL BE BETWEEN 18 INCHES AND 36 INCHES.
- THE LENGTH, "L", OF THE FILTER SACK SHALL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE			
PROPERTIES	TEST METHOD	UNITS	
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS	
GRAB TENSILE ELONGATION	ASTM D-4632	20 %	
PUNCTURE	ASTM D-4833	120 LBS	
MULLEN BURST	ASTM D-3786	800 PSI	
TRAPEZOID TEAR	ASTM D-4533	120 LBS	
UV RESISTANCE	ASTM D-4355	80 %	
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE	
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT	
PERMITTIVITY	ASTM D-4491	0.55 SEC -1	
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE			
PROPERTIES	TEST METHOD	UNITS	
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS	
GRAB TENSILE ELONGATION	ASTM D-4632	20 %	
PUNCTURE	ASTM D-4833	135 LBS	
MULLEN BURST	ASTM D-3786	420 PSI	
TRAPEZOID TEAR	ASTM D-4533	45 LBS	
UV RESISTANCE	ASTM D-4355	90 %	
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE	
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT	
PERMITTIVITY	ASTM D-4491	1.5 SEC -1	

FILTER SACK INLET PROTECTION

NOT TO SCALE



WEIGHTED SEDIMENT TUBES		
PROPERTY	TEST METHOD	VALUE
PRE-INSTALLED TUBE DIAMETER	FIELD MEASURED	6.0 INCH TO 12.0 INCH
UNIFORM MASS PER UNIT LENGTH (LINEAR FOOT)	FIELD MEASURED	6"=6 LBS/FT MIN 9"=9 LBS/FT MIN 12"=12 LBS/FT MIN
LENGTH PER TUBE	FIELD MEASURED	6 FOOT MINIMUM

GENERAL NOTES:

- SEDIMENT TUBES SHOULD BE COMPOSED OF COMPACTED GEOTEXTILES, CURLED EXCELSIOR WOOD, NATURAL COCONUT FIBERS, HARDWOOD MULCH, WASHED SHREDDED RECYCLED RUBBER PARTICLES, OR A MIX OF THESE MATERIALS ENCLOSED BY A FLEXIBLE NETTING MATERIAL.
- WHEN WASHED SHREDDED RECYCLED RUBBER PARTICLES ARE USED, A MINIMUM OF 98% OF METAL SHALL BE REMOVED.
- SEDIMENT TUBES SHOULD UTILIZE AN OUTER NETTING THAT CONSISTS OF SEAMLESS, HIGH-DENSITY POLYETHYLENE PHOTODEGRADABLE MATERIALS TREATED WITH ULTRAVIOLET STABILIZERS OR A SEAMLESS, HIGH-DENSITY POLYETHYLENE NON-DEGRADABLE MATERIAL. CURLED WOOD EXCELSIOR FIBER, OR NATURAL COCONUT FIBER ROLLED EROSION CONTROL PRODUCTS ROLLED UP TO CREATE A SEDIMENT TUBE DEVICE ARE NOT ALLOWED.
- DO NOT USE STRAW, STRAW FIBER, STRAW BALES, PINE NEEDLES, OR LEAF MULCH AS FILL MATERIAL WITHIN SEDIMENT TUBES.
- WEIGHTED SEDIMENT TUBES MUST BE CAPABLE OF STAYING IN PLACE WITHOUT EXTERNAL STABILIZATION MEASURES AND MAY HAVE A WEIGHTED INNER CORE OR OTHER WEIGHTED MECHANISM TO KEEP THEM IN PLACE.
- INSTALL WEIGHTED TUBES LYING FLAT ON THE GROUND, WITH NO GAPS BETWEEN THE UNDERLYING SURFACE AND THE SEDIMENT TUBE. DO NOT STACK SEDIMENT TUBES. DO NOT COMPLETELY BLOCK INLET WITH TUBE.
- NON-WEIGHTED SEDIMENT TUBES REQUIRE STAKING OR OTHER STABILIZATION METHODS TO KEEP THEM SAFELY IN PLACE.
- OVERFLOW OR OVERTOPPING OF SEDIMENT TUBES MUST BE ALLOWED TO FLOW INTO INLET UNOBSTRUCTED.
- TO AVOID POSSIBLE FLOODING, TWO OR THREE CONCRETE CINDER BLOCKS MAY BE PLACED BETWEEN THE TUBE AND THE INLET WHEN USED AS INLET PROTECTION.

NON-WEIGHTED SEDIMENT TUBES		
PROPERTY	TEST METHOD	VALUE
PRE-INSTALLED TUBE DIAMETER	FIELD MEASURED	6.0 INCH TO 12.0 INCH
UNIFORM MASS PER UNIT LENGTH (LINEAR FOOT)	FIELD MEASURED	6"=1.0 LBS/FT MIN 9"=1.5 LBS/FT MIN 12"=2.0 LBS/FT MIN
LENGTH PER TUBE	FIELD MEASURED	6 FOOT MINIMUM

INSPECTION & MAINTENANCE NOTES:

- THE KEY TO FUNCTIONAL SEDIMENT CONTROL IS WEEKLY INSPECTION, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.
- REGULAR INSPECTIONS OF ALL DEVICES SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24-HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES ½-INCH OR MORE OF PRECIPITATION.
- ATTENTION TO SEDIMENT ACCUMULATIONS IN FRONT OF THE DEVICE IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
- REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES ½ THE HEIGHT OF THE BLOCKS. IF A SUMP IS USED, SEDIMENT SHOULD BE REMOVED WHEN IT FILLS APPROXIMATELY ¾ THE DEPTH OF THE HOLE.
- REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
- LARGE DEBRIS, TRASH, AND LEAVES SHOULD BE REMOVED FROM IN FRONT OF TUBES WHEN FOUND.
- REPLACE SEDIMENT TUBE WHEN DAMAGED OR AS RECOMMENDED BY MANUFACTURER'S SPECIFICATIONS.
- SEDIMENT CONTROL DEVICES SHOULD BE REMOVED AFTER THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA. STABILIZE ALL BARE AREAS IMMEDIATELY.

WEIGHTED SEDIMENT TUBE DETAIL

NOT TO SCALE

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1640 Meeting Street Rd
Suite 202
Charleston, SC 29405

P 843.762.2222

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1040 Hull Street, Suite 100
Baltimore, MD 21230

P 410.347.8500

**ADC
ENGINEERING**
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PROJECT 205 NEW CONSTRUCTION

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C611 CIVIL DETAILS - SWPPP & EROSION CONTROL

SCDES STANDARD NOTES:

- IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED 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 HAS BEEN INAPPROPRIATELY OR 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 CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK 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 MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCRI00000.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED 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 IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- A COPY OF THE SWPPP, INSPECTIONS 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 TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- 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 WASH WATER, 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 APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
- THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
 - WASTEWATER FROM CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
 - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED 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 SC'S 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 WITH AN 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.

DEWATERING NOTES:

- THE DESIGN, ADEQUACY AND OPERATION OF ANY AND ALL DEWATERING ACTIVITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL PROTECT ALL ADJACENT PROPERTIES, RIGHTS OF WAYS, NATURAL AREAS AND EXISTING UTILITY SYSTEMS FROM EROSION AND SEDIMENTATION ASSOCIATED WITH DEWATERING ACTIVITIES.
- DEWATERING OF EXISTING PONDS OR LARGE PONDING AREAS SHALL ALWAYS UTILIZE A FLOATING INTAKE.
- DEWATERING DISCHARGES SHALL ALWAYS BE DIRECTED THROUGH SUITABLE BEST MANAGEMENT PRACTICE (BMP) SUCH AS A TEMPORARY SEDIMENT POND/TRAP OR SEDIMENT TRAPPING DEWATERING BAG.
- ALL DEWATERING ACTIVITIES SHOULD BE IN ACCORDANCE WITH THE SCDES CGP.

SCDES POST-CONSTRUCTION MAINTENANCE REQUIREMENTS

SYSTEM	MAINTENANCE REQUIREMENTS	MAINTENANCE FREQUENCY
A. VEGETATED AREAS	1. MOW GRASS 2. REMOVE ALL LITTER AND DEBRIS 3. REMOVE AND REPLACE DEAD OR DISEASED VEGETATION 4. REPLACE / REPLENISH MULCH 5. REMOVE WEEDS 6. PRUNE VEGETATION TO MAINTAIN APPEARANCE	1. MONTHLY 2. MONTHLY 3. SEMI-ANNUALLY 4. SEMI-ANNUALLY 5. SEMI-ANNUALLY 6. SEMI-ANNUALLY

SCDES STORMWATER AS-BUILT/RECORD DRAWING REQUIREMENTS:

- PRIOR TO SUBSTANTIAL COMPLETION AND PRIOR TO REQUESTING FINAL SITE INSPECTION BY SCDES THE CONTRACTOR SHALL PROVIDE AND RECEIVE APPROVAL OF AS-BUILT/RECORD DRAWINGS CONSISTING OF SURVEY DRAWINGS MEETING THE FOLLOWING REQUIREMENTS:
 - FIELD SURVEYED DRAWINGS BASED ON AN AS-BUILT SURVEY OF NEWLY CONSTRUCTED STORM WATER MANAGEMENT FACILITIES WITH:
 - EXISTING GRADES/CONTOURS/DEPTHS OF THE FACILITY.
 - ELEVATIONS AND DIMENSIONS OF ALL INLET/OUTLET STRUCTURES, INCLUDING:
 - PIPE AND ORIFICE INVERTS AND DIAMETERS.
 - WEIR ELEVATIONS AND DIMENSIONS.
 - RISER DIMENSIONS AND ELEVATIONS.
 - EMERGENCY SPILLWAY DIMENSIONS AND ELEVATIONS.
 - LOCATIONS AND INVERTS FOR ALL PIPES DISCHARGING INTO THE FACILITY.
 - LOCATIONS AND INVERTS FOR ALL PIPES EXITING THE FACILITY.
 - DETAILED SKETCHES OF THE STRUCTURES SHALL BE PROVIDED IF NECESSARY FOR CLARITY.
 - SPOT ELEVATIONS ALONG THE TOP, BOTTOM AND SHELVES OF THE FACILITY'S EMBANKMENT.
 - CONTOURS, DIMENSION, AND LOCATIONS OF ALL STRUCTURAL COMPONENTS (E.G., FOREBAYS, LEVEL SPREADERS, RIP RAP APRONS, INLET STRUCTURES, LOW FLOW CHANNELS) OF THE FACILITY.
 - TABLE OF ELEVATIONS AND ASSOCIATED CONTOUR AREA AT EACH ELEVATION FOR STAGE/STORAGE VERIFICATION. IF FACILITY IS SEPARATED INTO DIFFERENT BASINS OR FOREBAYS, THE TABLE SHALL PROVIDE AREA DATA FOR EACH SEPARATE BASIN.
 - WETLAND AREAS
 - AS-BUILT SURVEYS SHALL BE PREPARED IN STATE PLANE COORDINATES NAD 83 DATUM.
 - AS-BUILT SURVEYS SHALL BE PREPARED USING THE SAME VERTICAL DATUM AS USED ON THE APPROVED DESIGN PLANS.
 - ALL DRAWINGS SHALL BEAR THE FOLLOWING STATEMENTS SIGNED BY THE SURVEYOR:

1 HEREBY SIGN, DATE AND AFFIX MY SEAL TO CERTIFY THAT THE AS-BUILT/RECORD DRAWING SURVEY SHOWN IS CORRECT AND ACCURATE."

S.C. REGISTERED PROFESSIONAL LAND SURVEYOR
- THE CONTRACTOR SHALL SUBMIT PRELIMINARY VERSIONS OF THE AS-BUILT/RECORD DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO SUBMITTING TO SCDES FOR REVIEW.
- UPON RECEIPT OF ANY COMMENTS FROM THE ENGINEER, THE CONTRACTOR SHALL MAKE ALL NECESSARY CORRECTIONS AND RESUBMIT FINAL VERSIONS OF THE AS-BUILT/RECORD DRAWINGS TO THE ENGINEER FOR FORWARDING TO SCDES FOR REVIEW AND/OR APPROVAL.
- UPON RECEIPT OF ANY COMMENTS FROM SCDES, THE CONTRACTOR SHALL MAKE ALL NECESSARY CORRECTIONS AND RESUBMIT CORRECTED FINAL VERSIONS OF THE AS-BUILT/RECORD DRAWINGS TO THE ENGINEER FOR FORWARDING TO SCDES FOR REVIEW AND/OR APPROVAL.

CITY OF CHARLESTON CLOSE OUT NOTES:

- A DYE TEST MUST BE PERFORMED BY A LICENSED PLUMBER FOR SANITARY SEWER CONNECTIONS TO VALIDATE THE CONNECTIONS ARE PROPERLY ROUTED INTO THE SANITARY SEWER SYSTEM AND NOT THE STORM SEWER SYSTEM. TEST RESULTS MUST BE COMPLETED AND SUBMITTED TO THE ENGINEER A MINIMUM OF 30 DAYS PRIOR TO SUBSTANTIAL COMPLETION.
- PRIOR TO SUBSTANTIAL COMPLETION AND PRIOR TO REQUESTING FINAL SITE INSPECTION BY THE CITY OF CHARLESTON, THE CONTRACTOR SHALL PROVIDE AND RECEIVE APPROVAL OF AS-BUILT/RECORD DRAWINGS CONSISTING OF SURVEY DRAWINGS MEETING THE CITY'S REQUIREMENTS.

CITY OF CHARLESTON STORMWATER AS-BUILT/RECORD DRAWING REQUIREMENTS:

AS PART OF THE PROJECT CLOSEOUT PROCESS, A FULL-SIZE HARD COPY AND ONE ELECTRONIC PDF FORMAT COPY OF THE RECORD DRAWINGS, PROPERLY IDENTIFIED, EXECUTED, AND CERTIFIED SHALL BE DELIVERED TO THE ENGINEERING DIVISION. ADDITIONALLY, THE RECORD DRAWINGS FOR STORMWATER FACILITIES SHALL CONTAIN THE FOLLOWING INFORMATION:

6.3.1 PIPED DRAINAGE SYSTEMS

FOR PIPED DRAINAGE SYSTEMS, THE FOLLOWING INFORMATION SHALL BE PROVIDED ON THE DRAWINGS:

- ACTUAL VALUES BESIDE PLANNED VALUES ON THE APPROVED CONSTRUCTION PLANS.
- ELEVATIONS TO THE NEAREST 0.01 FOOT. ACTUAL ELEVATIONS WITHIN 0.10 FOOT OF THE PLANNED VALUES ARE SUFFICIENT EXCEPT WHERE HIGHER ACCURACY IS NEEDED TO INDICATE POSITIVE FLOW.
- DIAMETER, MATERIAL, AND CLASS OF ALL PIPES.
- TYPE OF JOINT OF ALL PIPES. (O-RING, T&G, ETC.)
- INVERT OF PIPE AT OUTFALL AND ALL STRUCTURES.
- SLOPE AND LENGTHS OF ALL PIPE.
- STRUCTURE TYPE AND ELEVATIONS. (TOP OF GRATE, THROAT ELEVATION, ETC.)
- LOCATION OF PIPE AND STRUCTURES IN RELATION TO DRAINAGE EASEMENTS ON PLAN VIEW.
- CENTERLINE ROADWAY ELEVATIONS AT ALL LOW POINTS AND OTHER STORMWATER CROSSINGS.
- LENGTH, DEPTH, AND WIDTH OF OUTFALL PROTECTION AS SPECIFIED.

6.3.2 OPEN CHANNEL DRAINAGE SYSTEMS

FOR OPEN CHANNEL DRAINAGE SYSTEMS, THE FOLLOWING INFORMATION SHALL BE PROVIDED ON THE DRAWINGS:

- ACTUAL VALUES BESIDE PLANNED VALUES ON THE APPROVED CONSTRUCTION PLANS.
- ELEVATIONS TO THE NEAREST 0.1 FOOT EXCEPT WHERE HIGHER ACCURACY IS NEEDED TO INDICATE POSITIVE FLOW.
- ACTUAL ELEVATIONS WITHIN 0.1 FOOT OF THE PLANNED VALUES ARE SUFFICIENT EXCEPT WHERE HIGHER ACCURACY IS NEEDED TO INDICATE POSITIVE FLOW.
- SLOPE OF ALL OPEN CHANNELS.
- FOR SWALES 1 FOOT OR LESS IN DEPTH, ACTUAL SIDE SLOPES AND SPOT INVERT ELEVATIONS AT A FREQUENCY OF AT LEAST EVERY 100 FEET.
- FOR SWALES OR DITCHES GREATER THAN 1 FOOT IN DEPTH, TOP OF BANK AND TOE OF SLOPE DESIGNATIONS AND ELEVATIONS AT A FREQUENCY OF AT LEAST EVERY 100 FEET.
- FOR DITCHES 3 FEET OR GREATER IN DEPTH, ACTUAL 1 FOOT CONTOURS.
- LOCATION OF DITCH OR SWALE IN RELATION TO DRAINAGE EASEMENTS ON PLAN VIEW.
- LENGTH, DEPTH, AND WIDTH OF OUTFALL PROTECTION OR OTHER EROSION CONTROL AS SPECIFIED.

6.3.3 STORMWATER MANAGEMENT POND OR BASIN

FOR STORMWATER MANAGEMENT PONDS OR BASINS, THE FOLLOWING INFORMATION SHALL BE PROVIDED ON THE DRAWINGS:

- ACTUAL VALUES BESIDE PLANNED VALUES ON THE APPROVED CONSTRUCTION PLANS.
- ELEVATIONS TO THE NEAREST 0.01 FOOT. ACTUAL ELEVATIONS WITHIN 0.10 FOOT OF THE PLANNED VALUES ARE SUFFICIENT EXCEPT WHERE HIGHER ACCURACY IS NEEDED TO INDICATE POSITIVE FLOW.
- SUFFICIENT ELEVATIONS ALONG TOP OF DAM/POND TO VERIFY DESIGN ELEVATION.
- SUFFICIENT ELEVATIONS ALONG TOE OF SLOPE AND BOTTOM OF POND TO VERIFY DESIGN ELEVATION.
- ACTUAL 1 FOOT CONTOURS AND A STAGE-VOLUME TABLE TO CONFIRM DESIGN VOLUME.
- POND SLOPES AND VEGETATIVE COVER. (INCLUDE INFILTRATION RATE OF SOD PLACED IN PROPOSED INFILTRATION BASINS, IF APPLICABLE)
- LOCATION, ELEVATIONS, SLOPES, AND DIMENSIONS OF ORIFICES, WEIRS, SPILLWAYS, TRASH RACKS, OR ANY OTHER ASPECTS OF OUTFALL CONTROL.
- LOCATION, DIMENSIONS, AND ELEVATIONS OF EMERGENCY SPILLWAY.
- OUTFALL PROTECTION LOCATION AND DIMENSIONS.
- WATER ELEVATION IN POND AT TIME OF SURVEY, IF APPLICABLE.
- LOCATION, DIMENSIONS, MAKE OR BRAND, MODEL, SERIAL NUMBER AND MAINTENANCE MANUAL FOR ANY ENGINEERED WATER QUALITY TREATMENT DEVICES.

6.3.4 PROJECT DATUM

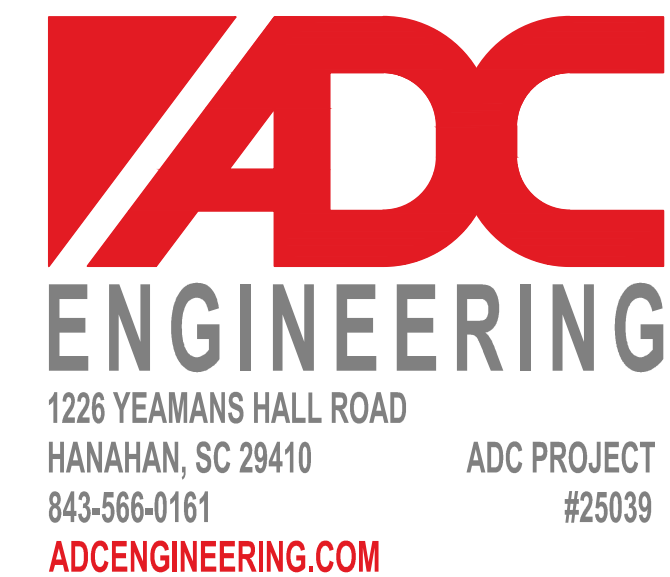
AS-BUILTS SHALL CLEARLY STATE THE PROJECT DATUM (NAVD88) ON ALL PAGES WHERE ELEVATIONS ARE NOTED.

6.3.5 CERTIFICATIONS STATEMENT

THE RECORD DRAWING MUST INCLUDE THE FOLLOWING STATEMENT:

1 HEREBY SIGN AND AFFIX MY SEAL TO CERIFY TO THE BEST OF MY KNOWLEDGE THAT THIS RECORD DRAWING ACCURATELY REPRESENTS EXISTING FIELD CONDITIONS AND THAT THE COMPREHENSIVE STORMWATER MANAGEMENT SYSTEM, AS CONSTRUCTED, IS IN SUBSTANTIAL CONFORMANCE WITH THE STANDARDS, DIMENSIONS AND SPECIFICATIONS OF THE APPROVED CONSTRUCTION PLANS.

S.C. REGISTERED PROFESSIONAL ENGINEER



Revision Date Description

EARLY SITE PACKAGE

91 & 99 ST PHILIP STREET, 106 COMING STREET & XX VANDERHORST STREET



PROJECT 205 NEW
CONSTRUCTION

State Project Number: H15-9689-ML
Project Number: 25700
Checked By: CBC / GFJ
Drawn By: JTN
Date: 08/11/25
Scale:

C612
CIVIL DETAILS -
SWPPP & EROSION
CONTROL NOTES