PERMIT PLANS FOR

1268 MAY RIVER ROAD SITE IMPROVEMENTS

PREPARED FOR

MAY RIVER PROJECT, LLC

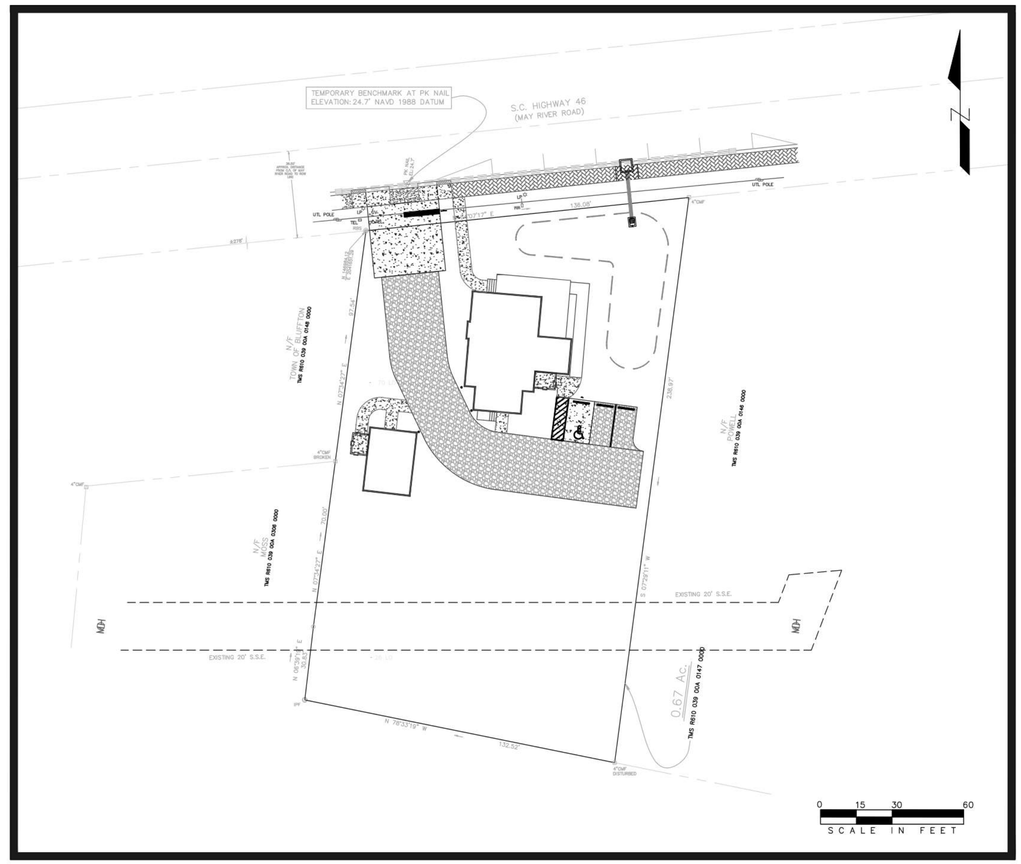
21 PROMENADE STREET
BLUFFTON, SC 29910

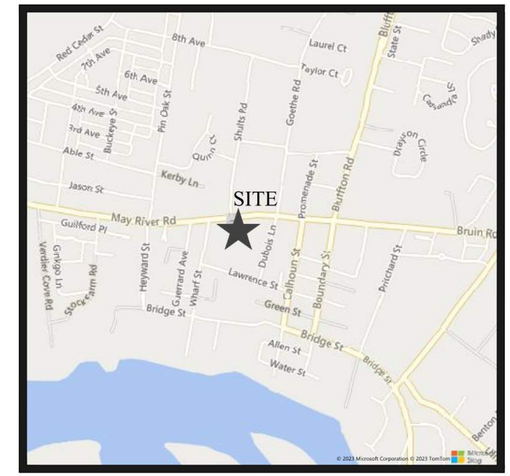
GENERAL NOTES:

1. ALL SILT BARRIERS AND OTHER EROSION CONTROL MEASURES MUST BE PLACED PRIOR TO LAND DISTURBING ACTIVITIES.
2. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE OWNER AND ENGINEER PRIOR TO BEGINNING CONSTRUCTION. THIS MEETING SHALL BE SCHEDULED WITH THE OWNER AND ENGINEER AT THE TIME NOTICE TO PROCEED IS GIVEN.
3. THE OWNER AND ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE, DURING REGULAR HOURS (8:00 AM TO 5:00 PM, MONDAY THROUGH FRIDAY, EXCLUDING HOLIDAYS), BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.
4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION FOR THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION (SCDOT), BEAUFORT JASPER WATER AND SEWER AUTHORITY (BJWSA), TOWN OF BLUFFTON SPECIFICATIONS, AND THE PROJECT SPECIFICATIONS.
5. THE CONTRACTOR WILL BE REQUIRED TO HAVE ON SITE A COPY OF SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DRAWINGS, LATEST EDITION.
6. ANY DISCREPANCIES, ERRORS, OR OMISSIONS DISCOVERED ON THE PLANS OR IN THE SPECIFICATIONS SHOULD BE IMMEDIATELY BROUGHT TO THE ENGINEERS ATTENTION, NOTED ON THE CONTRACTOR'S PROPOSAL, AND DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO CORRECT THE SAME AND CONSTRUCT THE PROJECT AS DESIGNED.
7. THE EXISTENCE, ABSENCE, LOCATION AND ELEVATION OF UNDERGROUND UTILITIES ON THE PLANS ARE NOT BASED ON FIELD MARKS, ARE NOT GUARANTEED, AND SHALL BE INVESTIGATED, UNEARTHED IF NECESSARY, AND VERIFIED BY CONTRACTOR BEFORE BEGINNING CONSTRUCTION.
8. THE CONTRACTOR SHALL CONTACT SOUTH CAROLINA 811, "CALL BEFORE YOU DIG" SERVICE IN ORDER TO LOCATE UTILITIES PRIOR TO STARTING ANY EXCAVATION OR CONSTRUCTION.
9. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, ABOVE GROUND OR BELOW GROUND.
10. CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH APPROPRIATE UTILITIES PRIOR TO AND/OR DURING CONSTRUCTION.
11. CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY BEFORE DIGGING NEAR WATER AND SANITARY SEWER LINES.
12. NO EXTRA PAYMENT WILL BE MADE FOR REPAIRS TO DAMAGE OF EXISTING UTILITIES.
13. THE CONTRACTOR WILL NOT BE PAID FOR DELAYS OR EXTRA EXPENSE CAUSED BY UTILITY FACILITIES, OBSTRUCTIONS, OR ANY OTHER ITEMS NOT REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF THEIR WORK.
14. ALL STRUCTURES, TREES AND SHRUBS WHICH ARE WITHIN THE LIMITS OF THE PROPERTY BOUNDARY, BUT OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.
15. UNSUITABLE AND SURPLUS EXCAVATION MATERIAL NOT REQUIRED FOR FILL SHALL BE DISPOSED OF OFFSITE.
16. CONTRACTOR IS TO CLEAN ALL STORM WATER INLETS AND PIPE AT THE COMPLETION OF CONSTRUCTION TO REMOVE ANY SILT AND DEBRIS. THE CLEANING OF DROP INLETS, CULVERTS, AND PIPES (EXISTING AND PROPOSED) SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR.
17. ANY DAMAGE TO THE SIDE STREETS OR SIDEWALK DUE TO CONSTRUCTION ACTIVITY SHALL BE REPAIRED IN AN EXPEDIENT MANNER AT THE CONTRACTOR'S EXPENSE.

SCDHEC STANDARD NOTES:

1. 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 & TEMPORARY SEEDING AT THE END OF THE DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
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 THE WORK HAS CEASED, EXCEPT AS NOTED
   A. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS. STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
   B. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, & EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
3. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY FROM THE CONSTRUCTION AREA & THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
4. 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 CONTRUCTION 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.
5. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS OR OBTAIN APPROVAL FOR AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 & SCR100000.
6. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS & BUILDING PRODUCTS WITH THE SIGNIFICANT POTENTIAL IMPACT (SUCH AS STOCK-PILES OF FRESHLY TREATED LUMBER) & CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
7. ALL SEDIMENT & 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.
8. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND DISTURBING ACTIVITIES HAVE CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
9. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
10. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT & VEHICLE WASHING, WHEEL WASH WATER, & OTHER WASH WATER. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
11. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES & EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMP's (SEDIMENT BASIN, FILTER BAG, ETC.)
12. THE FOLLOWING DISCHARGES FROM THE SITE ARE PROHIBITED:
    - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL
    - WASTEWATER FROM WASHOUT & CLEANOUT OF STUCCO, PAINT, FROM RELEASE OILS, CURING COMPOUNDS & OTHER CONSTRUCTION MATERIALS
    - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE & EQUIPMENT OPERATION & MAINTENANCE
    - SOAPS OR SOLVENTS USED IN VEHICLE & EQUIPMENT WASHING
13. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK & MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
14. IF EXISTING BMP's NEED TO BE MODIFIED OR IF ADDITIONAL BMP's ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC's WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE NEXT STORM IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP & ALTERNATIVE BMP's MUST BE IMPLEMENTED AS SOON A REASONABLY POSSIBLE.
15. 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.
16. 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.
17. IF CABLE, ELECTRIC, AND NATURAL GAS UTILITIES ARE INSTALLED, THE INSTALLATION OF THESE IS TO BE WITHIN THE PERMITTED LIMITS OF DISTURBANCE AND INSTALLATION OUTSIDE OF THESE AREAS WILL REQUIRE A MODIFICATION TO THE PERMIT.
18. INLET PROTECTION SHALL BE PROVIDED AT ALL EXISTING INLETS THAT RECEIVE FLOWS FROM THE DISTURBED AREAS.
19. CONSTRUCTION ENTRANCES SHALL BE PROVIDED AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC ACCESSES A PAVED ROADWAY.





VICINITY MAP

0 500 1,000 2,000
SCALE IN FEET

Sheet List Table	
Sheet No.	Sheet Title
1	TITLE SHEET
2	TREE AND TOPOGRAPHIC SURVEY (BY OTHERS)
3	EXISTING CONDITIONS
4	DEMOLITION & SWPP PLAN
5	SWPPP DETAILS
6	SITE IMPROVEMENTS PLAN
7	GRADING PLAN
8	UTILITY PLAN
9	LANDSCAPE PLAN
10	CIVIL DETAILS
11	BJWSA DETAILS

PROJECT DATA:

1. TAX MAP & PARCEL NUMBERS:	TMS R610 039 00A 0147 0000
2. SITE ADDRESS:	1268 MAY RIVER ROAD
3. ACREAGE OF PROPERTY:	0.67 ACRES
4. ACREAGE OF DISTURBANCE:	0.4 ACRES
5. OWNER/DEVELOPER: MAY RIVER PROJECT, LLC, 21 PROMENADE STREET, BLUFFTON, SC 29910	
6. ZONING:	NG-HD (NEIGHBORHOOD GENERAL HISTORIC DISTRICT)
7. EXISTING LAND USE:	RESIDENTIAL
8. PROPOSED LAND USE:	MIXED USE (COMMERCIAL/RESIDENTIAL)
9. RECEIVING STREAM:	TRIBUTARY TO MAY RIVER (WEST OF CALHOUN STREET)
10. ULTIMATE STREAM:	MAY RIVER
11. FLOOD ZONE:	FLOOD ZONE 'X' SHOWN ON FIRM MAP 45013C0426G, COMMUNITY NO. 450251, DATED 03/23/21
12. VERTICAL DATUM:	NAVD 88 DATUM
13. HORIZONTAL DATUM:	SOUTH CAROLINA STATE PLANE BASED ON NAD 83, SCVRS NETWORK

PREPARED BY

STURRE ENGINEERING
Civil Design & Development

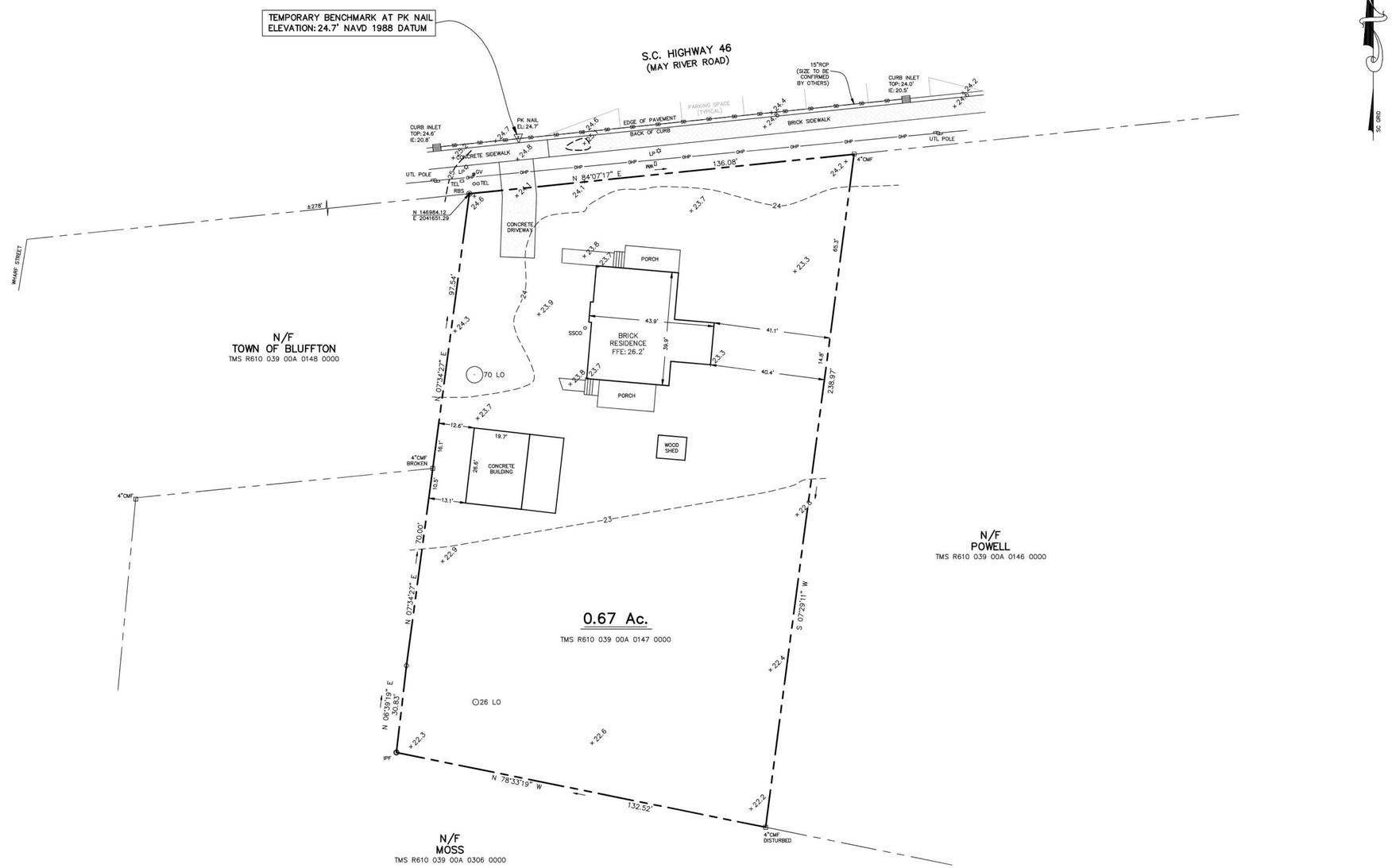
03/27/2023

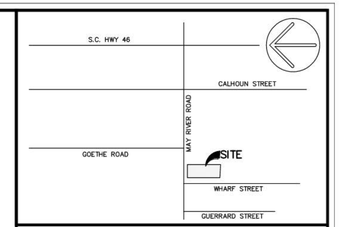
STURRE DESIGN & DEVELOPMENT, LLC No. 6843 — SOUTH CAROLINA — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 40266 — NATHAN STURRE

I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.

1268 MAY RIVER ROAD SITE IMPROVEMENTS
BJWSA #: 2023-056





VICINITY MAP NOT TO SCALE

NOTES:

1. THIS LOT APPEARS TO LIE IN FLOOD ZONE X SHOWN ON FIRM MAP 45013C0426G, COMMUNITY No. 450251, DATED 03/23/21.
2. TREE SIZES SHOWN IN INCHES OF DIAMETER. CONTOUR INTERVAL IS ONE FOOT. ELEVATIONS ARE BASED ON NAVD 1988 DATUM.
3. SOUTH CAROLINA STATE PLANE COORDINATES ARE BASED ON NAD 83, SCVRS NETWORK.
4. PROPERTY MAY OR MAY NOT BE AFFECTED BY SETBACKS, EASEMENTS, COVENANTS, RESTRICTIONS AND/OR OTHER MATTERS OF TITLE NOT SHOWN HEREON AND ARE THE RESPONSIBILITY OF THE PROPERTY OWNER.

REFERENCE(S):

1. PLAT BOOK 121, PAGE 45

LEGEND:

CMF	CONCRETE MONUMENT, OLD (FOUND)
IPF	IRON PIPE FOUND
RBS	REBAR SET
–OHP–	OVER HEAD POWER LINE
–SD–	STORM DRAINAGE PIPE
TEL	TELEPHONE PEDESTAL
WM	WATER METER
GV	GAS VALVE
LP	LAMP POST
SSCO	SANITARY SEWER CLEANOUT
SYC	SYCAMORE
PER	PERSIMMON
LO	LIVE OAK
x10.0	SPOT ELEVATION
–10–	CONTOUR

REVISION(S):

1. 06.16.22 UPDATED SURVEY TO NAVD 1988 DATUM & GENERAL REVISIONS

I HEREBY STATE THAT TO THE BEST OF MY 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; ALSO THERE ARE NO VISIBLE ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN.

DONALD R. COOK, JR.
S.C.P.L.S. No. 19010
NOT VALID UNLESS CRIMPED WITH SEAL

20 10 0 20 40
GRAPHIC SCALE

THIS DOCUMENT AND ALL REPRODUCIBLE COPIES OF THIS DOCUMENT ARE THE PROPERTY OF COOK LAND SURVEYING. ANY REPRODUCTION OF THIS DOCUMENT WITHOUT THE PERMISSION OF COOK LAND SURVEYING IS PROHIBITED. ANY ALTERATIONS TO THIS DOCUMENT ARE PROHIBITED.

AN ASBUILT, TREE & TOPOGRAPHIC SURVEY OF

0.67 Ac.

S.C. HIGHWAY 46

TMS R610 039 00A 0147 0000
TOWN OF BLUFFTON, BEAUFORT COUNTY,
SOUTH CAROLINA

PREPARED FOR:

ANDREW PIETZ

SOUTH CAROLINA · COOK LAND SURVEYING INC. · No. 3290 · CERTIFICATE OF AUTHORIZATION

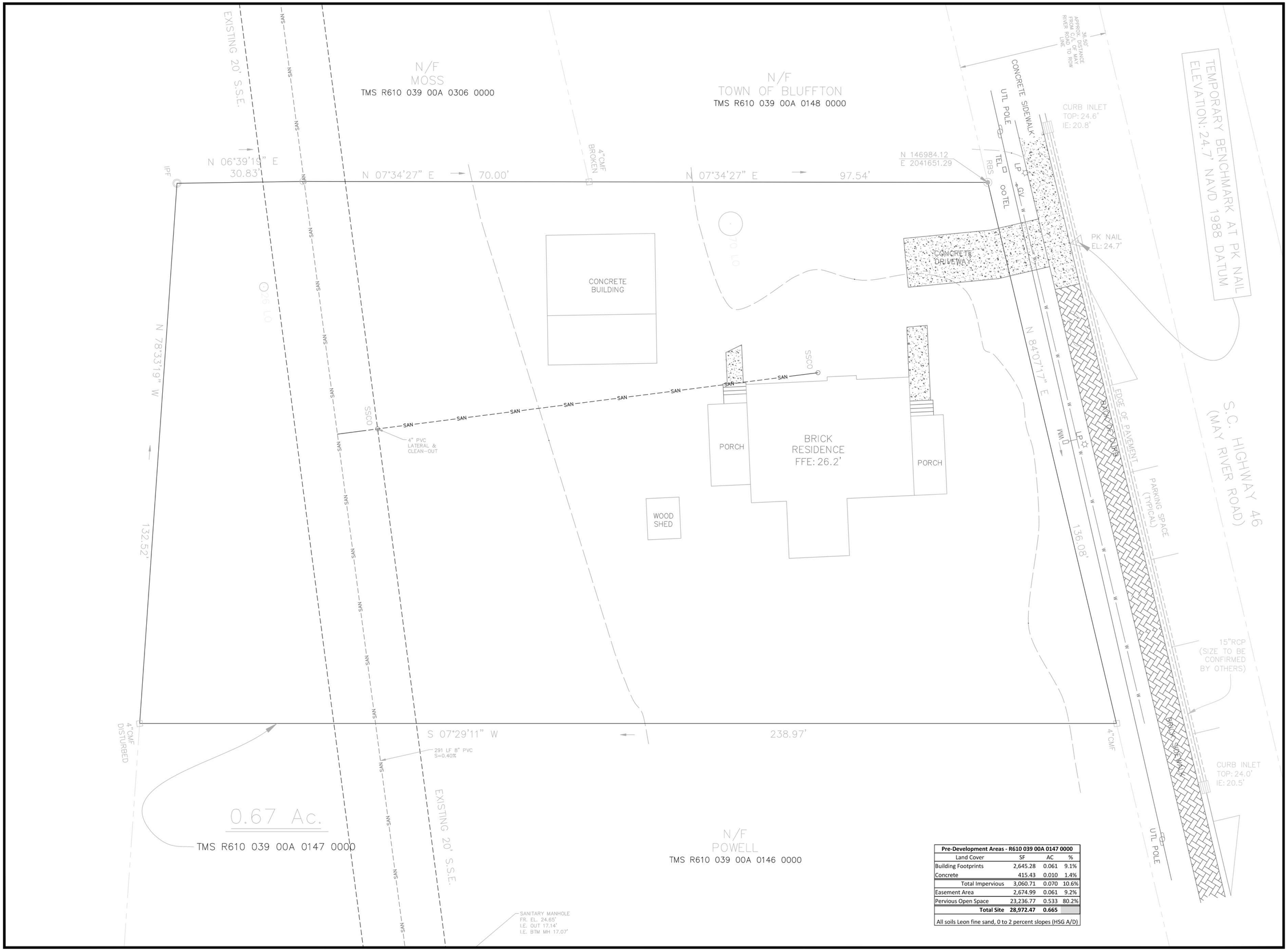
COOK Land Surveying
Faster. Simpler. Better.
23 Trotting Hill Lane, Bluffton, SC 29910
p: 843.247.1311 e: cooklandsurvey@hargray.com

PROJECT No.: *17050003*

DRAWN BY: DRC
DATE: 06.16.22
SCALE: 1"= 20'

PROJECT NAME *17050003*
FILE: *17050003AT rev1 061622.dwg*

SHEET 1 OF 1



Pre-Development Areas - R610 039 00A 0147 0000			
Land Cover	SF	AC	%
Building Footprints	2,645.28	0.061	9.1%
Concrete	415.43	0.010	1.4%
Total Impervious	3,060.71	0.070	10.6%
Easement Area	2,674.99	0.061	9.2%
Pervious Open Space	23,236.77	0.533	80.2%
Total Site	**28,972.47**	**0.665**	

All soils Leon fine sand, 0 to 2 percent slopes (HSG A/D)

STURRE ENGINEERING
Civil Design & Development

SOUTH CAROLINA STURRE DESIGN & DEVELOPMENT, LLC No. 6843 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 40266 NATHAN STURRE

PREPARED FOR:

MAY RIVER PROJECT, LLC

PROJECT:

1268 MAY RIVER ROAD SITE IMPROVEMENTS

0 5 10 20
SCALE IN FEET

PLAN
HORIZONTAL SCALE 1"=10'

CALL 811 BEFORE YOU DIG
SAFE DIGGING PARTNER

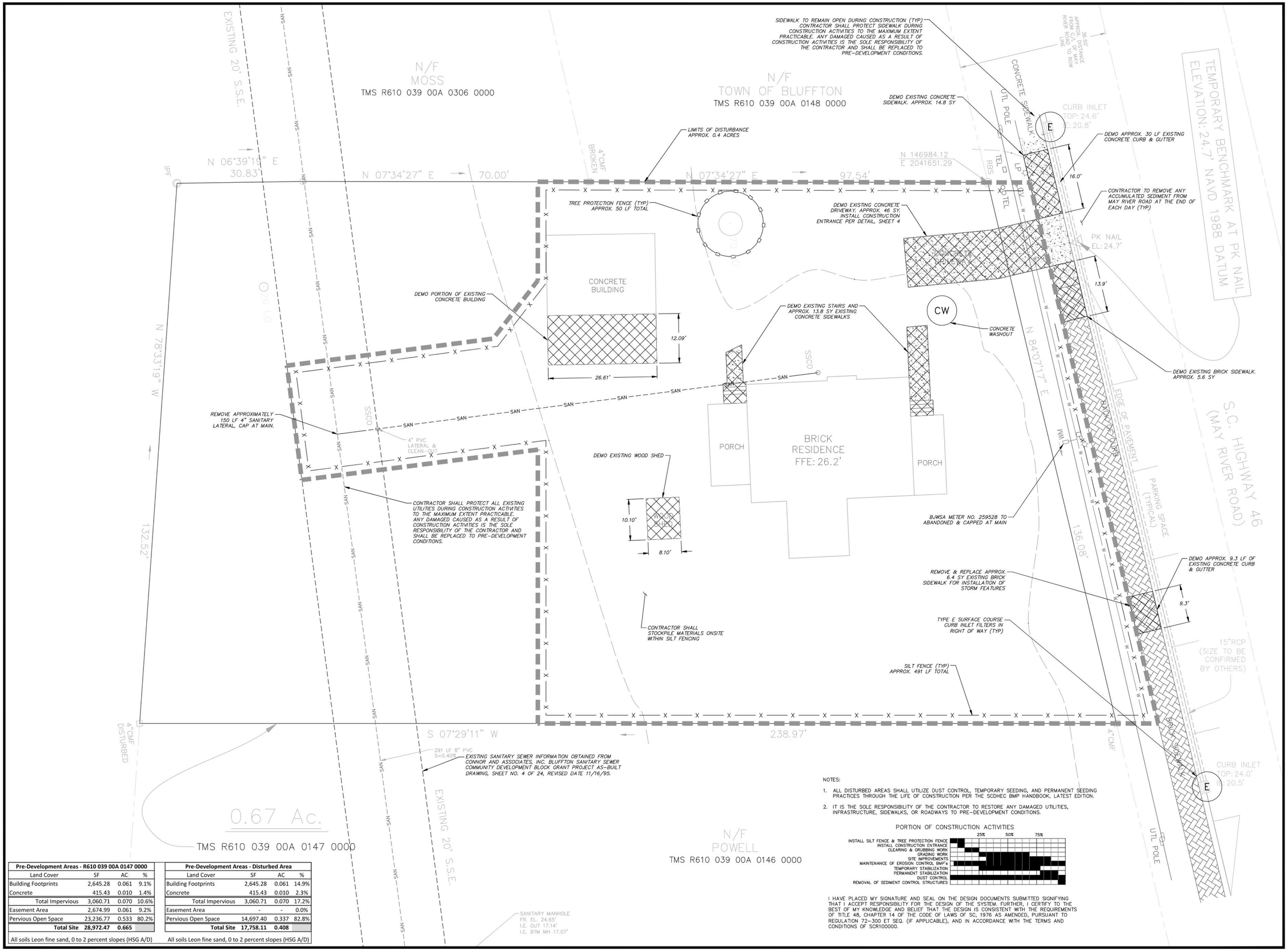
REV #	DATE	DESCRIPTION

DATE 03/27/2023

SHEET NAME
EXISTING CONDITIONS

SHEET NO.
3

Attachment 3



NOTES:

1. ALL DISTURBED AREAS SHALL UTILIZE DUST CONTROL, TEMPORARY SEEDING, AND PERMANENT SEEDING PRACTICES THROUGH THE LIFE OF CONSTRUCTION PER THE SCDHEC BMP HANDBOOK, LATEST EDITION.
2. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE ANY DAMAGED UTILITIES, INFRASTRUCTURE, SIDEWALKS, OR ROADWAYS TO PRE-DEVELOPMENT CONDITIONS.

PORTION OF CONSTRUCTION ACTIVITIES

I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.

Pre-Development Areas - R610 039 00A 0147 0000			
Land Cover	SF	AC	%
Building Footprints	2,645.28	0.061	9.1%
Concrete	415.43	0.010	1.4%
Total Impervious	3,060.71	0.070	10.6%
Easement Area	2,674.99	0.061	9.2%
Pervious Open Space	23,236.77	0.533	80.2%
Total Site	**28,972.47**	**0.665**	
All soils Leon fine sand, 0 to 2 percent slopes (HSG A/D)			

Pre-Development Areas - Disturbed Area			
Land Cover	SF	AC	%
Building Footprints	2,645.28	0.061	14.9%
Concrete	415.43	0.010	2.3%
Total Impervious	3,060.71	0.070	17.2%
Easement Area	-	-	0.0%
Pervious Open Space	14,697.40	0.337	82.8%
Total Site	**17,758.11**	**0.408**	
All soils Leon fine sand, 0 to 2 percent slopes (HSG A/D)			

STURRE ENGINEERING
Civil Design & Development

SOUTH CAROLINA STURRE DESIGN & DEVELOPMENT, LLC No. 6843 CERTIFICATE OF AUTHORIZATION

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MAY RIVER PROJECT, LLC

PROJECT:

1268 MAY RIVER ROAD SITE IMPROVEMENTS

0 5 10 20
SCALE IN FEET

PLAN
HORIZONTAL SCALE 1"=10'

CALL 811 BEFORE YOU DIG
811
SAFE DIGGING PARTNER

REV #	DATE	DESCRIPTION

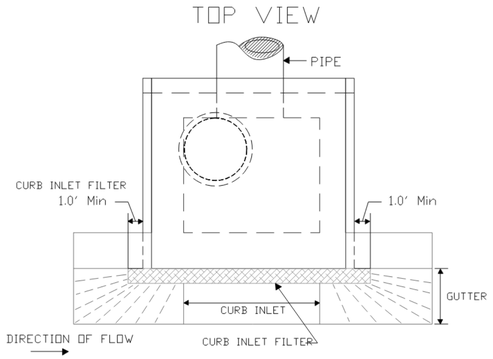
DATE 03/27/2023

SHEET NAME

DEMO & SWPP PLAN

SHEET NO.

4



PLAN SYMBOL

South Carolina Department of Health and Environmental Control

Type E

SURFACE COURSE CURB INLET FILTERS

STANDARD DRAWING NO. SC-10 PAGE 1 of 2

NOT TO SCALE — FEBRUARY 2014 DATE

SURFACE COURSE CURB INLET PROTECTION

GENEARL NOTES

1. Only use surface curb inlet filters that have a minimum height or diameter of 9-inches and have a minimum length that is 2-feet longer than the length of the curb opening.

2. 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.

3. Surface course inlet filters should be constructed with a synthetic material that will allow stormwater to freely flow through while trapping sediment and debris.

4. Straw, straw fiber, straw bales, pine needles and leaf mulch are not permissible filter materials.

5. 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.

6. Use only Type E inlet filters appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #58, or filters meeting the most current edition of the SC DOT Standard Specifications for Highway Construction.

INSPECTION AND MAINTENANCE

1. The key to functional inlet protection is weekly inspections, routine maintenance, and regular sediment removal.

2. Regular inspections of all inlet protection 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.

3. Attention to sediment accumulations in front of the inlet protection is extremely important. Accumulated sediment should be continually monitored and removed when necessary.

4. Remove accumulated sediment when silt and/or debris has built up around the filter preventing stormwater to flow through the filter.

5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.

6. Inlet protection structures 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 to the elevation of the drop inlet structure crest. Stabilize all bare areas immediately.

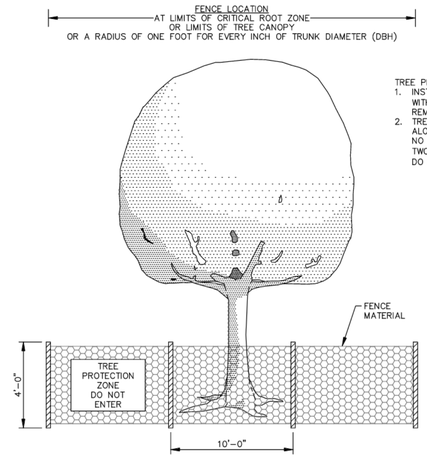
South Carolina Department of Health and Environmental Control

Type E

SURFACE COURSE CURB INLET FILTERS

STANDARD DRAWING NO. SC-10 PAGE 2 of 2

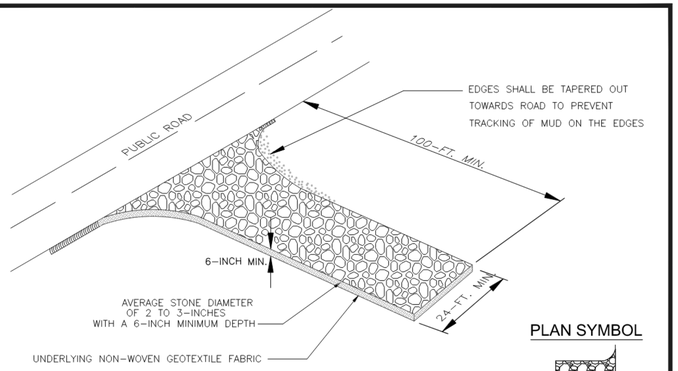
GENERAL NOTES — FEBRUARY 2014 DATE



TREE PROTECTION NOTES:
1. INSTALL TREE PROTECTION FENCE AROUND ALL TREES TO REMAIN WITHIN 25' OF ANY PROPOSED GRADING, CONSTRUCTION, OR TREE REMOVALS.
2. TREE PROTECTION ZONE WARNING SIGNAGE SHALL BE INSTALLED ALONG ALL REQUIRED TREE PROTECTION FENCING,. SPACING SHALL BE NO MORE THAN 150 FEET APART. EACH SIGN MUST BE A MINIMUM OF TWO FEET BY TWO FEET WITH THE MESSAGE "TREE PROTECTION ZONE: DO NOT ENTER."

TREE PROTECTION FENCE DETAIL

N.T.S.



PLAN SYMBOL

SPECIFICATION	SIZE
ROCK PAD THICKNESS	6 INCHES
ROCK PAD WIDTH	24 FEET
ROCK PAD LENGTH	100 FEET
ROCK PAD STONE SIZE	D = 2-3 INCHES

South Carolina Department of Health and Environmental Control

CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. SC-06 PAGE 1 of 2

NOT TO SCALE — FEBRUARY 2014 DATE

CONSTRUCTION ENTRANCE - 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-feet wide by 100-feet 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.

CONSTR. ENTRANCE - INSPECTION & MAINTENANCE

1. The key to functional construction entrances is weekly inspections, routine maintenance, and regular sediment removal.

2. Regular inspections of construction entrances shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.

3.During regular inspections, check for mud and sediment buildup and pad integrity. Inspection frequencies may need to be more frequent during long periods of wet weather.

4. Reshape the stone pad as necessary for drainage and runoff control.

5. Wash or replace stones as needed and as directed by site inspector. The stone in the entrance should be washed or replaced whenever the entrance fails to reduce the amount of mud being carried off-site by vehicles. Frequent washing will extend the useful life of stone pad.

6.Immediately remove mud and sediment tracked or washed onto adjacent impervious surfaces by brushing or sweeping. Flushing should only be used when the water can be discharged to a sediment trap or basin.

7. During maintenance activities, any broken pavement should be repaired immediately.

8. Construction entrances should be removed after the site has reached final stabilization. Permanent vegetation should replace areas from which construction entrances have been removed, unless area will be converted to an impervious surface to serve post-construction.

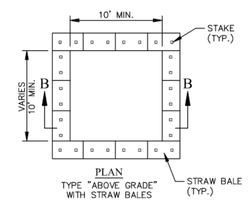
South Carolina Department of Health and Environmental Control

CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. SC-06 PAGE 2 of 2

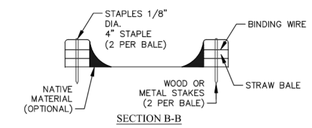
GENERAL NOTES — FEBRUARY 2014 DATE

STRAW BALE BARRIER CONCRETE WASHOUT

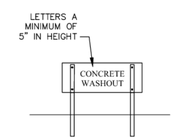


PLAN

TYPE "ABOVE GRADE" WITH STRAW BALES



SECTION B-B



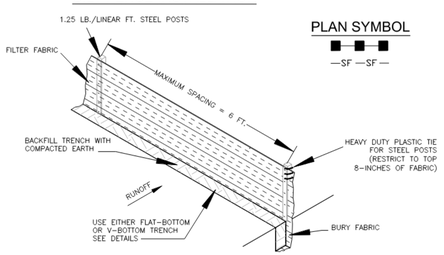
CONCRETE WASHOUT SIGN DETAIL

NOTES

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. INSTALL CONCRETE WASHOUT SIGN (24"X24", MINIMUM) WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.
4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.
5. THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR CLEAN OUT.
6. SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF CONCRETE WASHOUT AREA EXCEPT FOR THE SIDE UTILIZED FOR ACCESSING THE WASHOUT.
7. A ROCK CONSTRUCTION ENTRANCE MAY BE NECESSARY ALONG ONE SIDE OF THE WASHOUT TO PROVIDE VEHICLE ACCESS.

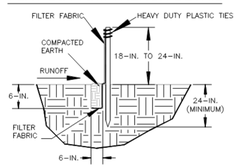
CONCRETE WASHOUT
STRAW BALES OR ABOVE GROUND
SOUTH CAROLINA DEPARTMENT OF PUBLIC HEALTH
STANDARD DRAWING NO. RC-07 [PAGE 1]
N.T.S.

SILT FENCE INSTALLATION

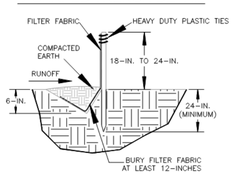


PLAN SYMBOL

FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL



SILT FENCE - 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.

South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 Page 1 of 2

NOT TO SCALE — FEBRUARY 2014 DATE

SILT FENCE - POST REQUIREMENTS

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.

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.

SILT FENCE - INSPECTION & MAINTENANCE

1. The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of silt fence shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. Attention to sediment accumulations along the silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the silt fence.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. 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.
7. 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.
8. Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

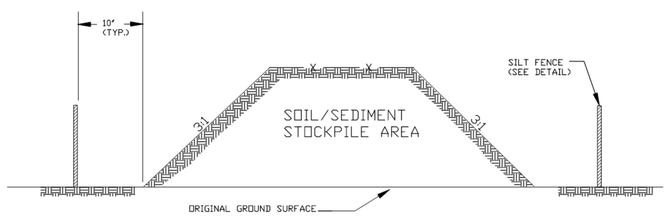
South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 PAGE 2 of 2

GENERAL NOTES — FEBRUARY 2014 DATE

TEMPORARY STOCKPILE AREA



NOTES:

1. SILT FENCE TO EXTEND AROUND ENTIRE PERIMETER OF STOCKPILE, OR IF STOCKPILE AREA IS LOCATED ON/NEAR A SLOP THE SILT FENCE IS TO EXTEND ALONG CONTOURS OF THE DOWN-GRADIENT AREA.
2. IF STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, TEMPORARY STABILIZATION MEASURES MUST BE IMPLEMENTED.
3. SILT FENCE SHALL BE MAINTAINED UNTIL STOCKPILE AREA HAS EITHER BEEN REMOVED OR PERMANENTLY STABILIZED.
4. THE KEY TO FUNCTIONAL TEMPORARY STOCKPILE AREAS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.

South Carolina Department of Health and Environmental Control

TEMPORARY STOCKPILE

STANDARD DRAWING NO. SC-15 PAGE 1 of 1

NOT TO SCALE — FEBRUARY 2014 DATE

STURRE ENGINEERING
Civil Design & Development

SOUTH CAROLINA — STURRE DESIGN & DEVELOPMENT, LLC No. 6843 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — LICENSED PROFESSIONAL ENGINEER No. 40266 — NATHAN STURRE

PREPARED FOR:

MAY RIVER PROJECT, LLC

PROJECT:

1268 MAY RIVER ROAD SITE IMPROVEMENTS

CALL 811 BEFORE YOU DIG — 811 — SAFE DIGGING PARTNER

REV #	DATE	DESCRIPTION

DATE 03/27/2023

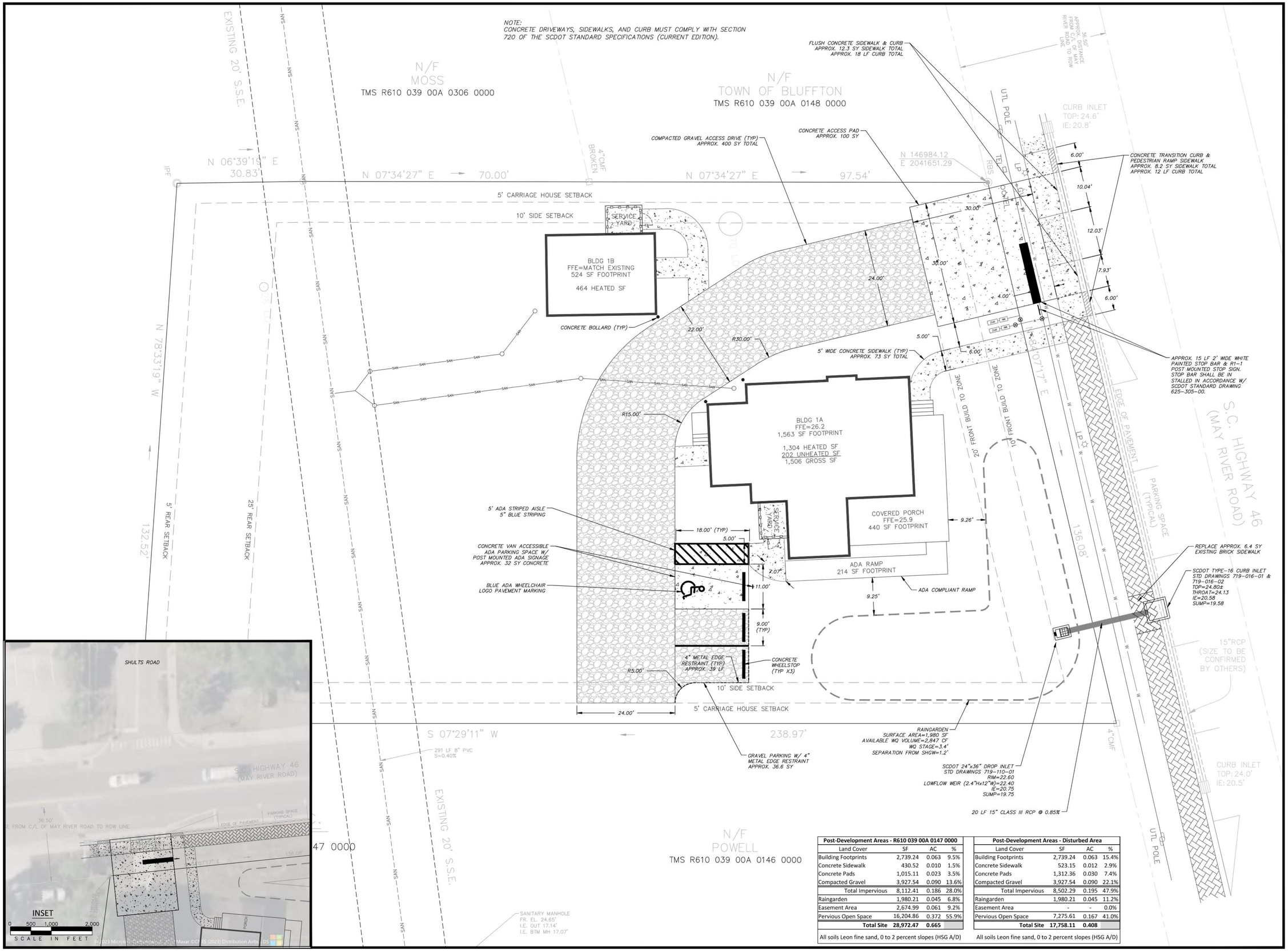
SHEET NAME

SWPPP DETAILS

SHEET NO.

5

Attachment 3



Post-Development Areas - R610 039 00A 0147 0000			
Land Cover	SF	AC	%
Building Footprints	2,739.24	0.063	9.5%
Concrete Sidewalk	430.52	0.010	1.5%
Concrete Pads	1,015.11	0.023	3.5%
Compacted Gravel	3,927.54	0.090	13.6%
Total Impervious	8,112.41	0.186	28.0%
Raingarden	1,980.21	0.045	6.8%
Easement Area	2,674.99	0.061	9.2%
Pervious Open Space	16,204.86	0.372	55.9%
Total Site	**28,972.47**	**0.665**	

All soils Leon fine sand, 0 to 2 percent slopes (HSG A/D)

Post-Development Areas - Disturbed Area			
Land Cover	SF	AC	%
Building Footprints	2,739.24	0.063	15.4%
Concrete Sidewalk	523.15	0.012	2.9%
Concrete Pads	1,312.36	0.030	7.4%
Compacted Gravel	3,927.54	0.090	22.1%
Total Impervious	8,502.29	0.195	47.9%
Raingarden	1,980.21	0.045	11.2%
Easement Area	-	-	0.0%
Pervious Open Space	7,275.61	0.167	41.0%
Total Site	**17,758.11**	**0.408**	

All soils Leon fine sand, 0 to 2 percent slopes (HSG A/D)

STURRE ENGINEERING
Civil Design & Development

SOUTH CAROLINA STURRE DESIGN & DEVELOPMENT, LLC No. 6843 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA CERTIFICATE OF PROFESSIONAL ENGINEER No. 40266 NATHAN STURRE

PREPARED FOR:

MAY RIVER PROJECT, LLC

PROJECT:

1268 MAY RIVER ROAD SITE IMPROVEMENTS

0 5 10 20
SCALE IN FEET

PLAN
HORIZONTAL SCALE 1"=10'

CALL 811 BEFORE YOU DIG
811
SAFE DIGGING PARTNER

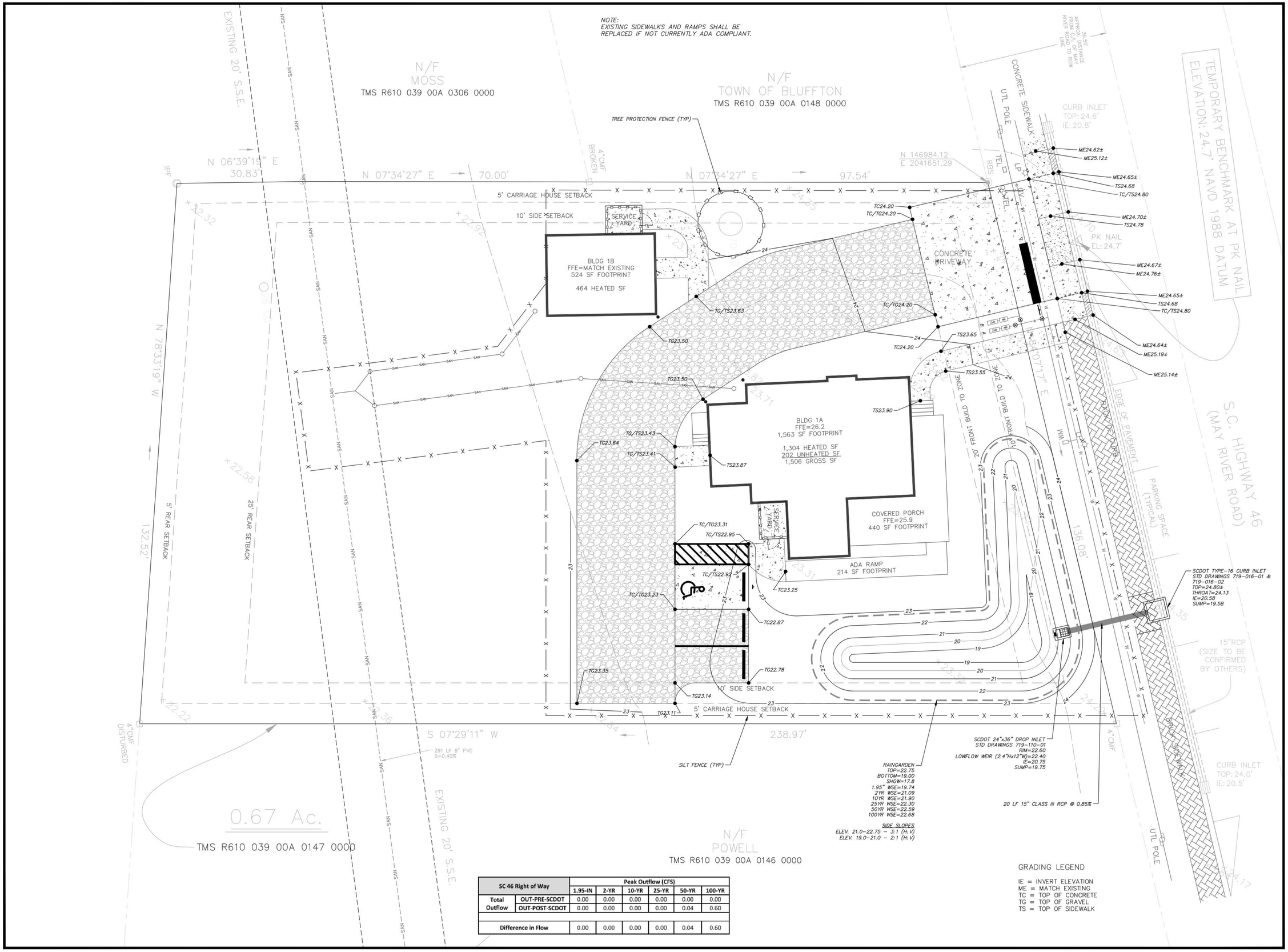
REV #	DATE	DESCRIPTION

DATE 03/27/2023

SHEET NAME
SITE IMPROVEMENTS PLAN

SHEET NO.
6

Attachment 3



SC 46 Right of Way		Peak Outflow (CFS)					
		1.95-IN	2-YR	10-YR	25-YR	50-YR	100-YR
Total Outflow	OUT-PRE-SCDOT	0.00	0.00	0.00	0.00	0.00	0.00
	OUT-POST-SCDOT	0.00	0.00	0.00	0.00	0.04	0.60
Difference in Flow		0.00	0.00	0.00	0.00	0.04	0.60

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MAY RIVER PROJECT, LLC

PROJECT:

1268 MAY RIVER ROAD SITE IMPROVEMENTS

0 5 10 20
SCALE IN FEET

PLAN
HORIZONTAL SCALE 1"=10'

CALL 811 BEFORE YOU DIG
SAFE DIGGING PARTNER

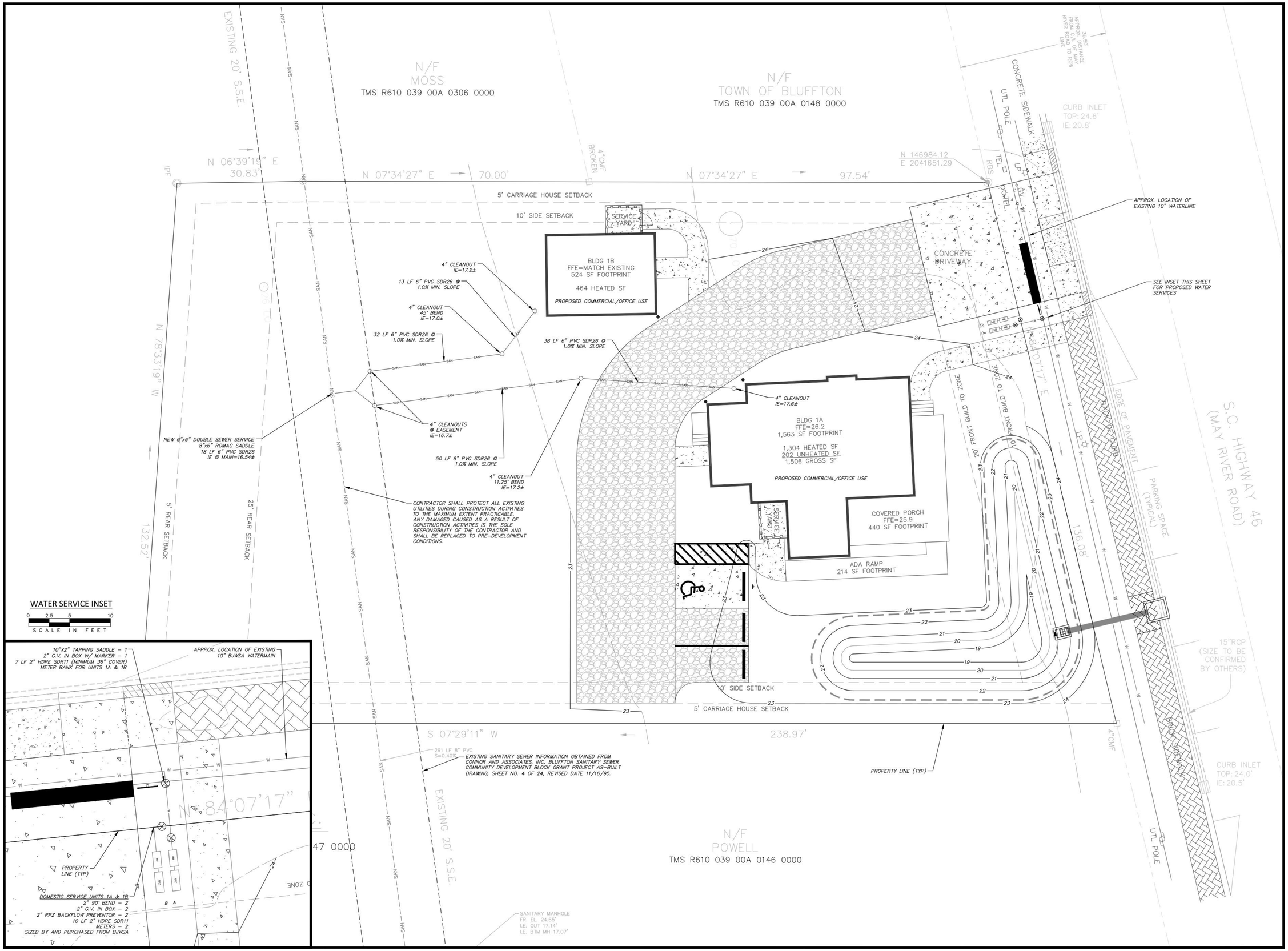
REV #	DATE	DESCRIPTION

DATE 03/27/2023

SHEET NAME
GRADING & DRAINAGE PLAN

SHEET NO.
7

Attachment 3



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SOUTH CAROLINA NORTH CAROLINA
STURRE DESIGN & DEVELOPMENT, LLC
No. 6843
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA
LICENSED PROFESSIONAL ENGINEER
No. 40266
NATHAN STURRE

PREPARED FOR:

MAY RIVER PROJECT, LLC

PROJECT:

1268 MAY RIVER ROAD SITE IMPROVEMENTS

0 5 10 20
SCALE IN FEET

PLAN
HORIZONTAL SCALE 1"=10'

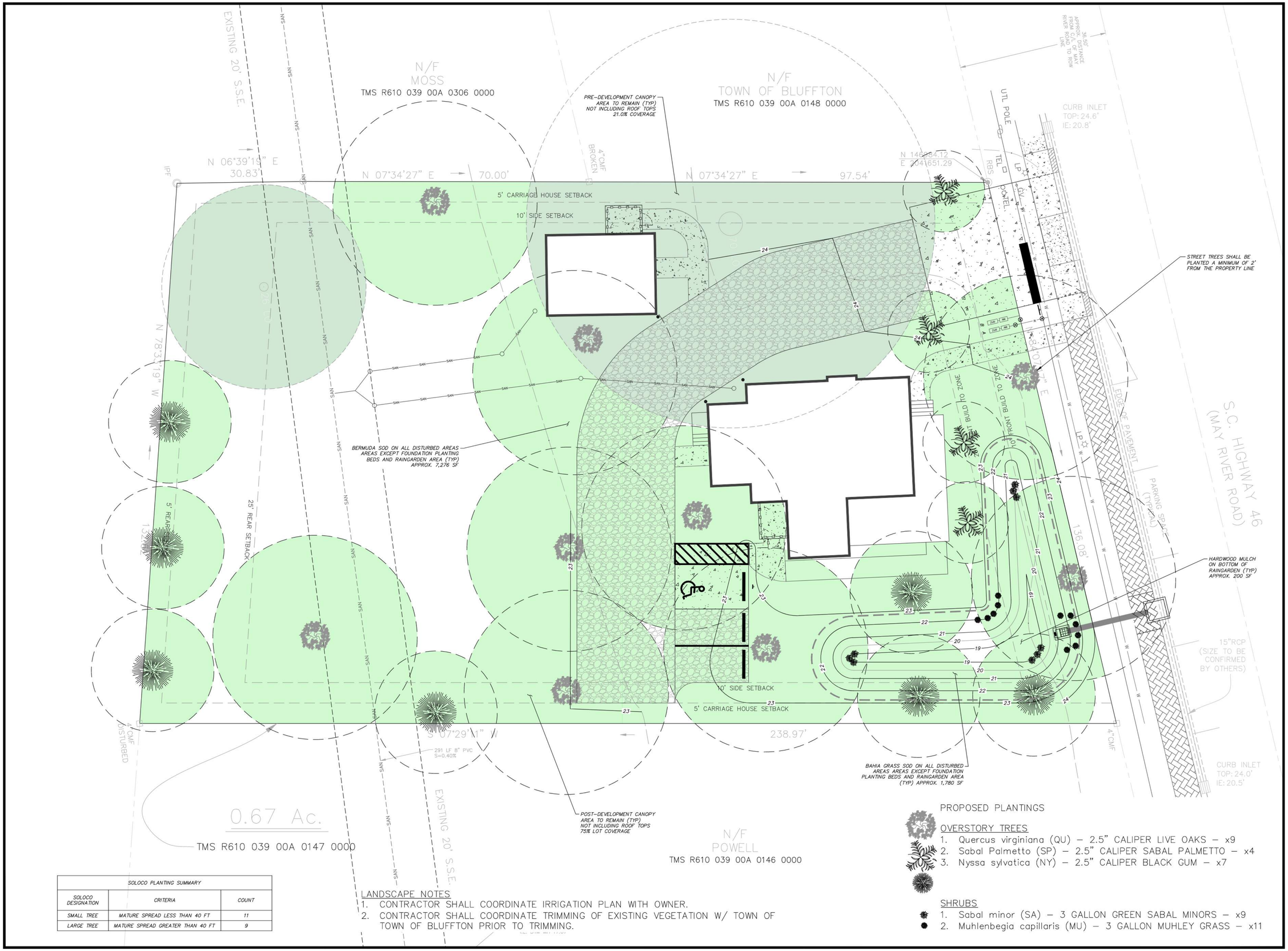
CALL 811 BEFORE YOU DIG
811
SAFE DIGGING PARTNER

REV #	DATE	DESCRIPTION

DATE 03/27/2023

SHEET NAME
UTILITY PLAN

SHEET NO.
8



SOLOCO PLANTING SUMMARY		
SOLOCO DESIGNATION	CRITERIA	COUNT
SMALL TREE	MATURE SPREAD LESS THAN 40 FT	11
LARGE TREE	MATURE SPREAD GREATER THAN 40 FT	9

LANDSCAPE NOTES

1. CONTRACTOR SHALL COORDINATE IRRIGATION PLAN WITH OWNER.
2. CONTRACTOR SHALL COORDINATE TRIMMING OF EXISTING VEGETATION W/ TOWN OF TOWN OF BLUFFTON PRIOR TO TRIMMING.

PROPOSED PLANTINGS

OVERSTORY TREES

1. Quercus virginiana (QU) – 2.5" CALIPER LIVE OAKS – x9
2. Sabal Palmetto (SP) – 2.5" CALIPER SABAL PALMETTO – x4
3. Nyssa sylvatica (NY) – 2.5" CALIPER BLACK GUM – x7

SHRUBS

1. Sabal minor (SA) – 3 GALLON GREEN SABAL MINORS – x9
2. Muhlenbegia capillaris (MU) – 3 GALLON MUHLEY GRASS – x11

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0 5 10 20
SCALE IN FEET

PLAN
HORIZONTAL SCALE 1"=10'

CALL 811 BEFORE YOU DIG
811
SAFE DIGGING PARTNER

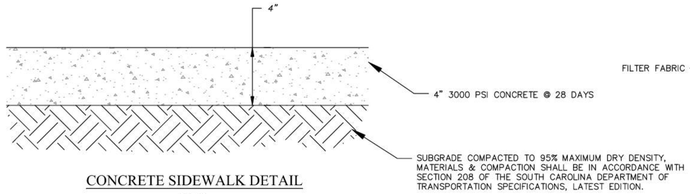
REV #	DATE	DESCRIPTION

DATE 03/27/2023

SHEET NAME
LANDSCAPE PLAN

SHEET NO.
10

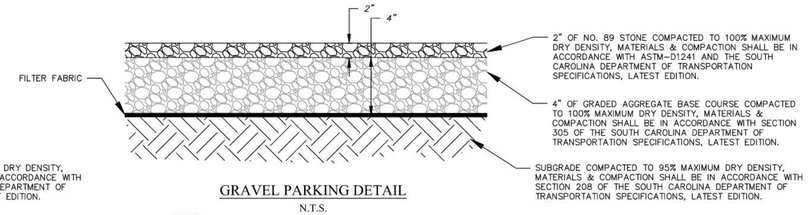
Attachment 3



CONCRETE SIDEWALK DETAIL

N.T.S.

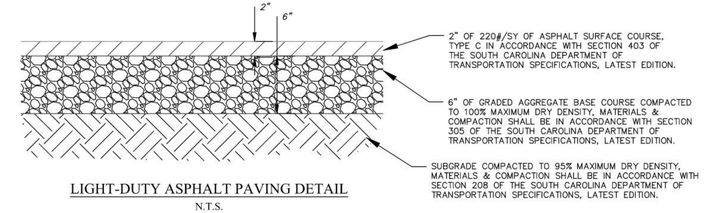
NOTES:
1. SIDEWALK WIDTH PER SITE IMPROVEMENTS PLAN.
2. USE ⅜" X 4" EXPANSION JOINTS AT CHANGE OF DIRECTIONS, CURBS, RIGID STRUCTURES AND RIGID PAVEMENT. ON STRAIGHT RUNS PROVIDE EXPANSION JOINTS EVERY 24 FEET.
3. TOOL ALL EXPOSED EDGES AND JOINTS TO ¼" RADIUS.
4. BROOM FINISH PERPENDICULAR TO TRAVEL.
5. PROVIDE ¾" DEEP SAW CUT CONTRACTION JOINTS EVERY 5 FEET.



GRAVEL PARKING DETAIL

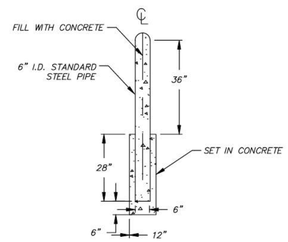
N.T.S.

NOTES:
1. PARKING TO HAVE 4" TALL METAL EDGE RESTRAINT AROUND NON-DRIVE AISLE SIDES.
2. NO. 89 STONE TO BE DOUBLE WASHED, FREE OF FINES.



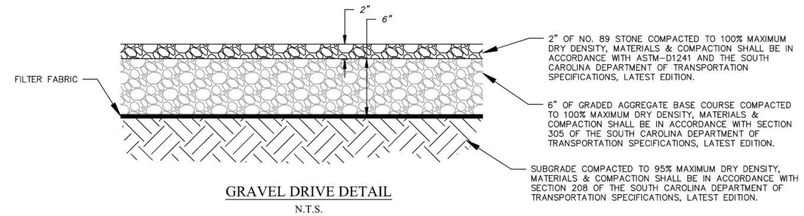
LIGHT-DUTY ASPHALT PAVING DETAIL

N.T.S.



CONCRETE BOLLARD DETAIL

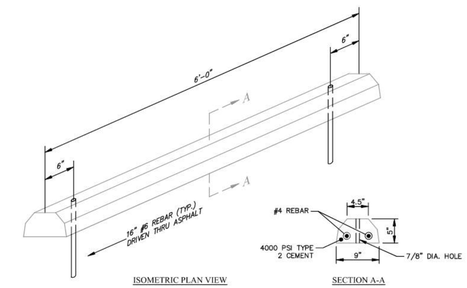
N.T.S.



GRAVEL DRIVE DETAIL

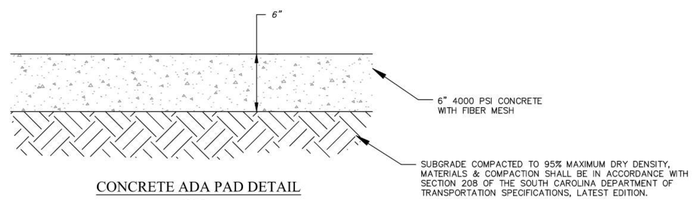
N.T.S.

NOTES:
1. NO. 89 STONE TO BE DOUBLE WASHED, FREE OF FINES.



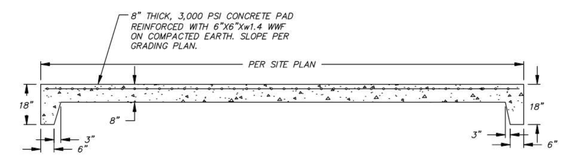
WHEEL STOP

N.T.S.



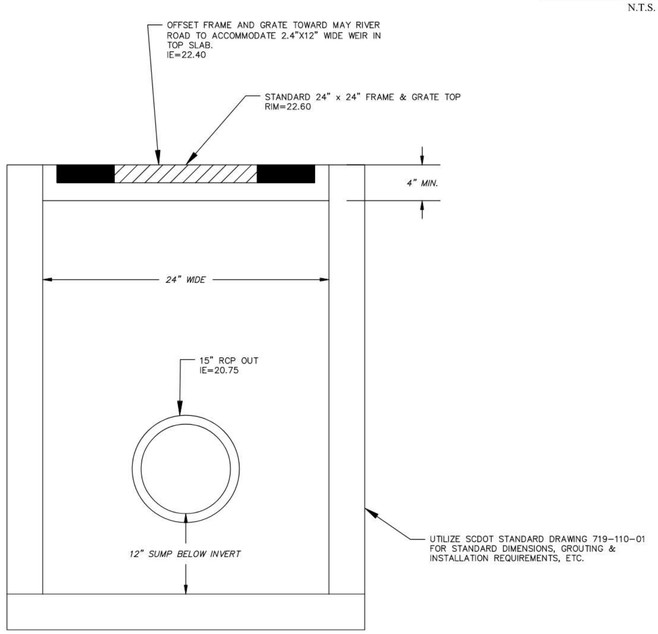
CONCRETE ADA PAD DETAIL

N.T.S.



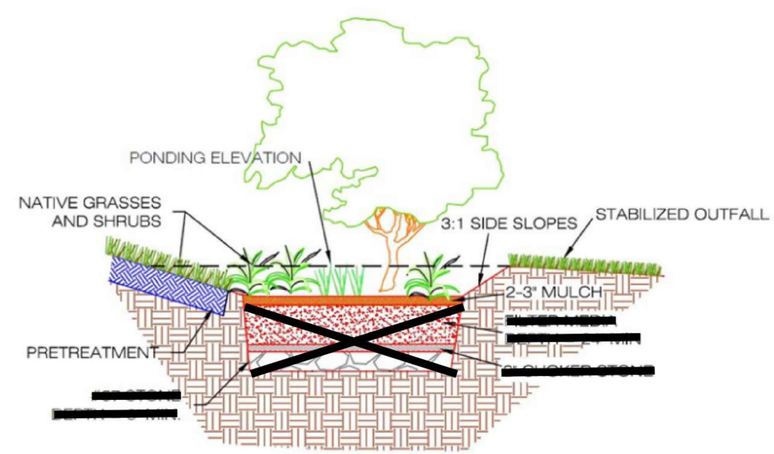
CONCRETE APRON DETAIL

N.T.S.



RAINGARDEN OUTFALL STRUCTURE DETAIL

N.T.S.



RAINGARDEN DETAIL

N.T.S.

NOTE:
1. FILTER MEDIA & STONE RESERVOIR LAYERS NOT SPECIFIED AS USDA SOILS REPORT INDICATES SANDY SOILS WITH ADEQUATE INFILTRATION RATES.

DETAIL MODIFIED FROM SOUTHERN LOWCOUNTRY STORMWATER DESIGN MANUAL

STURRE ENGINEERING
Civil Design & Development

SOUTH CAROLINA STURRE DESIGN & DEVELOPMENT, LLC No. 6843 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 40266 NATHAN STURRE

PREPARED FOR:

MAY RIVER PROJECT, LLC

PROJECT:

1268 MAY RIVER ROAD SITE IMPROVEMENTS

CALL 811 BEFORE YOU DIG 811 SAFE DIGGING PARTNER

REV #	DATE	DESCRIPTION

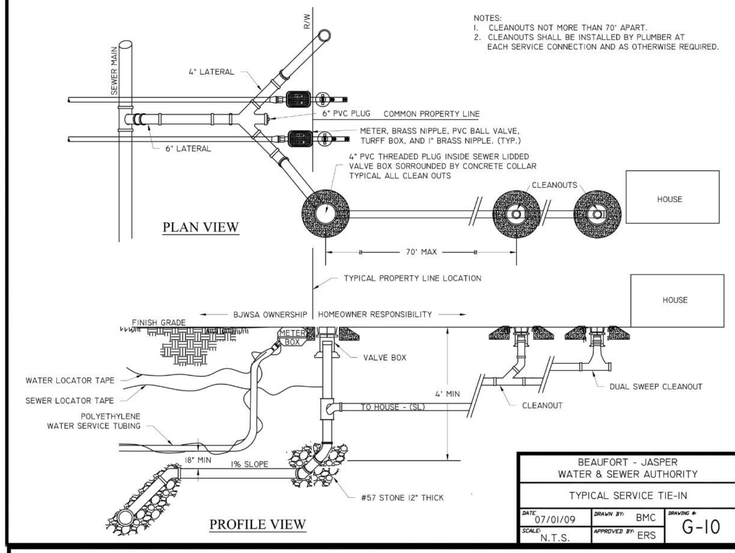
DATE 03/27/2023

SHEET NAME CIVIL DETAILS

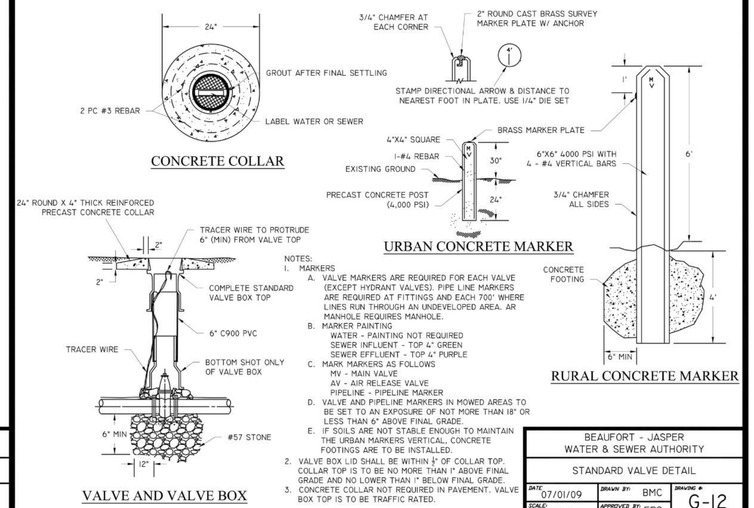
SHEET NO. 10

Attachment 3

NOTES:
1. CLEANOUTS NOT MORE THAN 70' APART.
2. CLEANOUTS SHALL BE INSTALLED BY PLUMBER AT EACH SERVICE CONNECTION AND AS OTHERWISE REQUIRED.

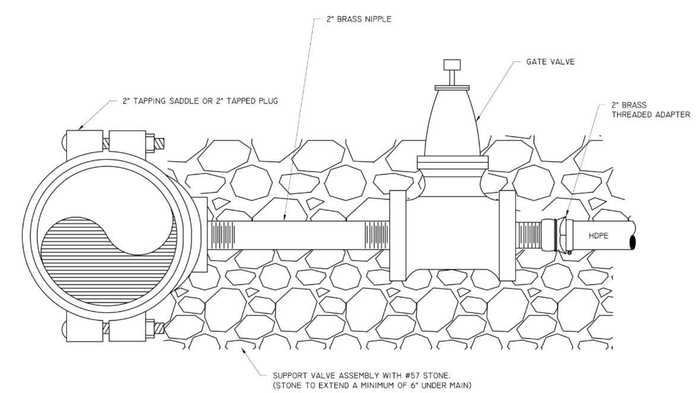


BEAUFORT - JASPER WATER & SEWER AUTHORITY		
TYPICAL SERVICE TIE-IN		
DATE 07/01/09	DRAWN BY: BMC	DRAWING #
SCALE: N.T.S.	APPROVED BY: ERS	G-10



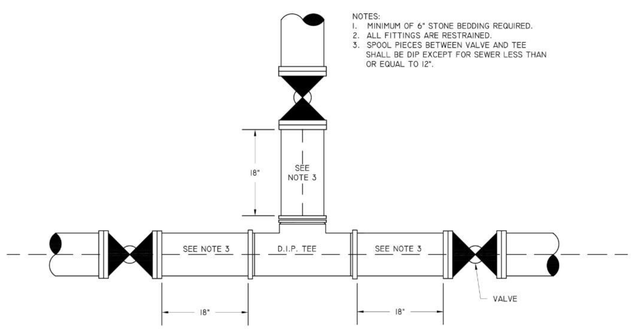
NOTES:
1. MARKERS
   A. VALVE MARKERS ARE REQUIRED FOR EACH VALVE (EXCEPT HYDRANT VALVES). PIPE LINE MARKERS ARE REQUIRED AT FITTINGS AND EACH 700' WHERE LINES RUN THROUGH AN UNDEVELOPED AREA. AR MANHOLE REQUIRES MANHOLE.
   B. MARKER PAINTING
      WATER - PAINTING NOT REQUIRED
      SEWER INFLUENT - TOP 4" GREEN
      SEWER EFFLUENT - TOP 4" PURPLE
   C. MARK MARKERS AS FOLLOWS
      MV - MAIN VALVE
      AV - AIR RELEASE VALVE
      PIPELINE - PIPELINE MARKER
   D. VALVE AND PIPELINE MARKERS IN MOWED AREAS TO BE SET TO AN EXPOSURE OF NOT MORE THAN 18" OR LESS THAN 6" ABOVE FINAL GRADE.
   E. IF SOILS ARE NOT STABLE ENOUGH TO MAINTAIN THE URBAN MARKERS VERTICAL, CONCRETE FOOTINGS ARE TO BE INSTALLED.
2. VALVE BOX LID SHALL BE WITHIN ¼" OF COLLAR TOP. COLLAR TOP IS TO BE NO MORE THAN 1" ABOVE FINAL GRADE AND NO LOWER THAN 1" BELOW FINAL GRADE.
3. CONCRETE COLLAR NOT REQUIRED IN PAVEMENT. VALVE BOX TOP IS TO BE TRAFFIC RATED.

BEAUFORT - JASPER WATER & SEWER AUTHORITY		
STANDARD VALVE DETAIL		
DATE 07/01/09	DRAWN BY: BMC	DRAWING #
SCALE: N.T.S.	APPROVED BY: ERS	G-12

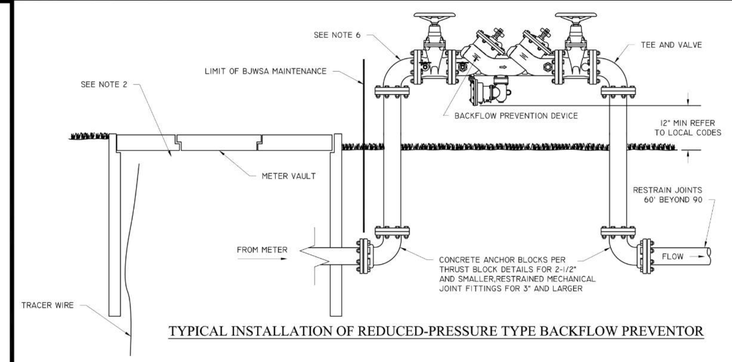


BEAUFORT - JASPER WATER & SEWER AUTHORITY		
2" CONNECTION		
DATE 07/01/09	DRAWN BY: BMC	DRAWING #
SCALE: N.T.S.	APPROVED BY: ERS	G-14

NOTES:
1. MINIMUM OF 6" STONE BEDDING REQUIRED.
2. ALL FITTINGS ARE RESTRAINED.
3. SPOOL PIECES BETWEEN VALVE AND TEE SHALL BE DIP EXCEPT FOR SEWER LESS THAN OR EQUAL TO 12".

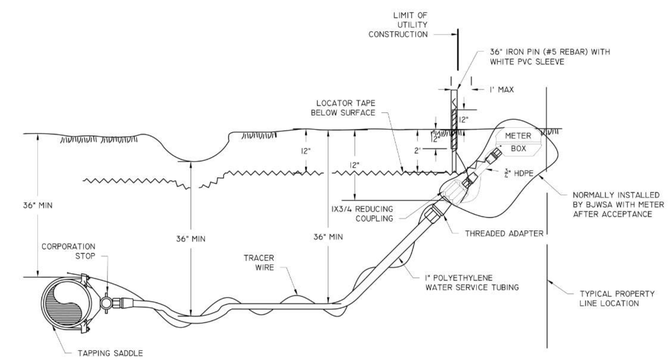


BEAUFORT - JASPER WATER & SEWER AUTHORITY		
TEE AND VALVES		
DATE 07/01/09	DRAWN BY: BMC	DRAWING #
SCALE: N.T.S.	APPROVED BY: ERS	G-15



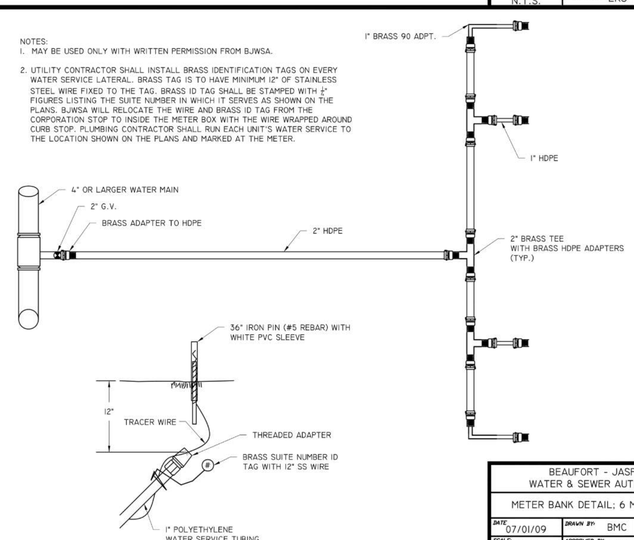
NOTES:
1. REDUCED-PRESSURE BACKFLOW PREVENTION DEVICES SHALL BE REQUIRED FOR ANY SERVICE WHERE TOXIC MATERIALS ARE USED OR WHERE POSITIVE PROTECTION FOR THE PUBLIC WATER SUPPLY IS REQUIRED. TYPICAL APPLICATIONS INCLUDE: HOSPITALS, MEDICAL & DENTAL LABS, MORTUARIES, INDUSTRIAL PLANTS, DRY CLEANERS, IRRIGATION SYSTEMS, OR AS DETERMINED BY BJWSA.
2. SEE SPECIFIC METER DETAIL FOR MORE INFORMAION.
3. BACKFLOW PREVENTION DEVICES SHALL BE INSTALLED ADJACENT TO AND ON PROPERTY SIDE OF SIDEWALK WHERE APPLICABLE. WHERE NO SIDEWALKS EXISTS, THE ASSEMBLY SHALL BE INSTALLED BEFORE ANY BRANCH AND AS CLOSE AS POSSIBLE TO THE WATER METER LOCATION. FINAL LOCATION TO BE APPROVED BY BJWSA PRIOR TO INSTALLATION.
4. SCREENING AND LANDSCAPING PLACES AROUND DEVICE SHALL ALLOW FOR ACCESS BY BJWSA PERSONNEL.
5. FREEZE PROTECTION IS THE OWNERS RESPOSIBILITY .
6. PIPING AND FITTINGS THROUGH 2 ½" SHALL BE SCHD 40 GALVANIZED STEEL. PIPING AND FITTINGS 3" AND LARGER SHALL BE FLANGED DUCTILE IRON.
7. REFER TO SCDHEC APPROVED LIST OF BACKFLOW PREVENTION DEVICES.
8. DUAL CHECK VALVES MAY BE INSTALLED IN UNDERGROUND VAULT (PRIOR APPROVAL BY BJWSA REQUIRED).

BEAUFORT - JASPER WATER & SEWER AUTHORITY		
BACKFLOW PREVENTION DETAIL		
DATE 07/01/09	DRAWN BY: BMC	DRAWING #
SCALE: N.T.S.	APPROVED BY: ERS	W-01

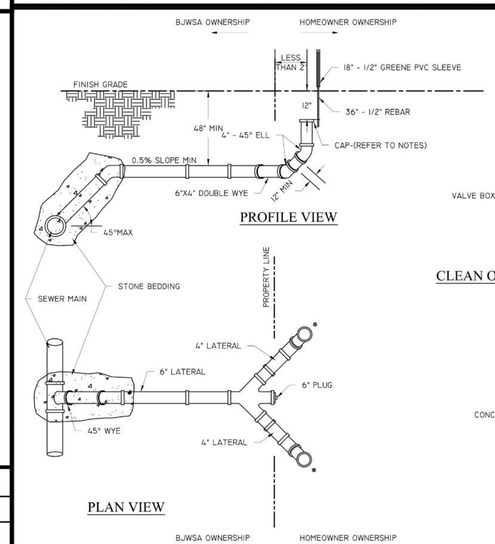


BEAUFORT - JASPER WATER & SEWER AUTHORITY		
WATER SERVICE PROFILE		
DATE 07/01/09	DRAWN BY: BMC	DRAWING #
SCALE: N.T.S.	APPROVED BY: ERS	W-09

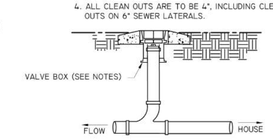
NOTES:
1. MAY BE USED ONLY WITH WRITTEN PERMISSION FROM BJWSA.
2. UTILITY CONTRACTOR SHALL INSTALL BRASS IDENTIFICATION TAGS ON EVERY WATER SERVICE LATERAL. BRASS TAG IS TO HAVE MINIMUM 12" OF STAINLESS STEEL WIRE FIXED TO THE TAG. BRASS ID TAG SHALL BE STAMPED WITH ½" FIGURES LISTING THE SUITE NUMBER IN WHICH IT SERVES AS SHOWN ON THE PLANS. BJWSA WILL RELOCATE THE WIRE AND BRASS ID TAG FROM THE CORPORATION STOP TO INSIDE THE METER BOX WITH THE WIRE WRAPPED AROUND CURB STOP. PLUMBING CONTRACTOR SHALL RUN EACH UNIT'S WATER SERVICE TO THE LOCATION SHOWN ON THE PLANS AND MARKED AT THE METER.



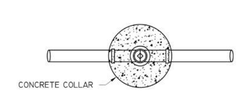
BEAUFORT - JASPER WATER & SEWER AUTHORITY		
METER BANK DETAIL; 6 METER MAX		
DATE 07/01/09	DRAWN BY: BMC	DRAWING #
SCALE: N.T.S.	APPROVED BY: ERS	W-11



NOTES:
1. DOUBLE SERVICE LATERALS SHALL ONLY BE ALLOWED FOR RESIDENTIAL SERVICES.
2. SERVICE LATERAL SHALL BE INSTALLED 12" BELOW FINISHED GRADE AND CAPPED IN A MANNER SUITABLE FOR PRESSURE TESTING.
3. CLEAN OUTS INSIDE GRASSED AREA SHALL CONSIST OF PVC PLUG IN SEWER LIDDED VALVE BOX SURROUNDED BY A CONCRETE COLLAR. COLLAR SHALL BE FLUSH WITH FINISHED GRADE. VALVE BOX LID SHALL NOT PROTRUDE ABOVE COLLAR TOP.
4. ALL CLEAN OUTS ARE TO BE 4", INCLUDING CLEAN OUTS ON 6" SEWER LATERALS.



CLEAN OUT INSTALLATION - PROFILE VIEW



CLEAN OUT - PLAN VIEW

BEAUFORT - JASPER WATER & SEWER AUTHORITY		
SEWER SERVICE, DOUBLE		
DATE 07/01/09	DRAWN BY: BMC	DRAWING #
SCALE: N.T.S.	APPROVED BY: ERS	S-10

STURRE ENGINEERING
Civil Design & Development

SOUTH CAROLINA STURRE DESIGN & DEVELOPMENT, LLC No. 6843 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA BOARD OF PROFESSIONAL ENGINEERS & LAND SURVEYORS No. 40266 NATHAN STURRE

PREPARED FOR:

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BJWSA DETAILS

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