



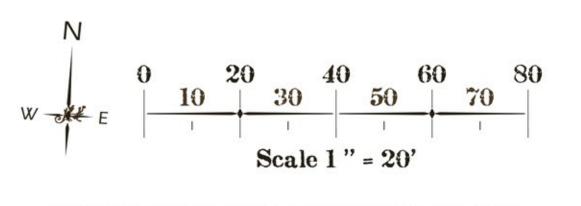
# CONCEPTUAL PLAN

×25.45

×25.37

# MA DAISYS PORCH

BLUFFTON, SOUTH CAROLINA



Note: Plan is conceptual in nature and subject to change

# Ma DAISY'S PORCH

# TOWN OF BLUFFTON, SOUTH CAROLINA

- BOUNDARY INFORMATION PROVIDED BY A TREE AND TOPOGRAPHIC SURVEY OF 1251 & 1253 MAY RIVER ROAD, DATED 09/16/21, BY ATLAS SURVEYING, INC.
- . TOPOGRAPHIC DATA PROVIDED BY ATLAS SURVEYING, INC., DATED 09/16/21. . APPROXIMATE LOCATION OF CERTAIN EXISTING UNDERGROUND UTILITY LINES AND STRUCTURES ARE SHOWN ON THE PLANS FOR INFORMATION ONLY ADDITIONAL UNDERGROUND LINES OR STRUCTURES MAY EXIST THAT ARE NOT SHOWN. CALL SOUTH CAROLINA 811 AT 811 OR 1-888-721-7877 BETWEEN THE HOURS OF 7:00 AM AND 7:00 PM MONDAY THRU FRIDAY AT LEAST THREE WORKING DAYS SEFORE COMMENCING CONSTRUCTION. REQUEST UNDERGROUND UTILITIES TO BE LOCATED AND MARKED WITHIN AND NEAR THE CONSTRUCTION SITE
- COMPLY WITH "SOUTH CAROLINA UNDERGROUND FACILITY DAMAGE PREVENTION ACT (EFFECTIVE JUNE 7, 2012). NOTIFICATION OF INTENT TO EXCAVATE MAY BE GIVEN BY CALLING THE TOLL FREE NUMBER: 1-800-922-0983. PROTECT BENCH MARKS AND PROPERTY MONUMENTS FROM DAMAGE DURING CONSTRUCTION OPERATIONS REPLACE ANY BENCH MARKS
- OR MONUMENTS DAMAGED OR DESTROYED AS A RESULT OF CONTRACTOR'S OPERATIONS, AT NO COST TO THE OWNER, BY A LICENSED SURVEYOR IN THE STATE OF SOUTH CAROLINA. 6. OFF-STREET PARKING FOR THE CONTRACTOR'S EMPLOYEES AND AUTHORIZED VISITORS TO THE SITE MUST BE PROVIDED AND MAINTAINED
- 7. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO WEIGHT LIMITS PRESCRIBED FOR ALL PUBLIC ROADS WHEN HAULING EQUIPMENT AND MATERIALS TO AND FROM THE PROJECT SITE. DAMAGES TO EXISTING PAVEMENT DUE TO THE CONTRACTOR'S CONSTRUCTION OPERATIONS OR IMPROPER TRANSPORTATION OF MATERIALS AND EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 8. AT LEAST ONE DRIVING LANE ON PUBLIC ROADS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES. TRAFFIC LANES WILL ONLY BE CLOSED
- WITH THE EXPRESS WRITTEN CONSENT OF THE AGENCY HAVING JURISDICTION OVER THE ROADWAY. NOTIFY AGENCY HAVING JURISDICTION AT LEAST 5 DAYS BEFORE CLOSING ANY DRIVING LANES TO TRAFFIC. PROVIDE TRAFFIC CONTROL DEVICES, SIGNS AND FLAGMEN AS

9. CONTRACTOR SHALL COORDINATE DEMOLITION, CLEARING AND CONSTRUCTION OF IMPROVEMENTS TO MINIMIZE INTERFERENCE WITH

VEHICULAR AND PEDESTRIAN TRAFFIC AND WITH OPERATIONS OF EXISTING FACILITIES.

#### WATER AND SEWER LINE CONSTRUCTION:

- ALL WATER AND SEWER LINE CONSTRUCTION SHALL CONFORM TO APPLICABLE STATE AND BEAUFORT JASPER WATER SEWER AUTHORITY (BJWSA) REQUIREMENTS, STANDARDS AND SPECIFICATIONS. BJWSA WILL BE RESPONSIBLE FOR INSPECTION AND APPROVAL OF ALL WATER AND SEWER SYSTEM CONSTRUCTION AND FOR ACCEPTANCE
- ALL UTILITIES SHOWN ARE APPROXIMATE LOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION OF ALL UTILITY OWNERS AND FOR FIELD VERIFICATION OF BOTH HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO COMMENCING CONSTRUCTION. ANY DAMAGES TO EXISTING UTILITIES DUE TO THIS CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. I. NOTIFY THE PROJECT ENGINEER, IF CONFLICTS WITH EXISTING STRUCTURES REQUIRE THAT PROPOSED UTILITIES BE RELOCATED.
- 5. THE CONTRACTOR MUST NOTIFY BJWSA FORTY-EIGHT (48) HOURS PRIOR TO ANY CONSTRUCTION, INSPECTION OR TESTING OF THE WATER
- 6. PIPE, FITTINGS, VALVES AND APPURTENANCES FOR WATER AND SEWER LINES SHALL ALL BE IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN THE BJWSA TECHNICAL SPECIFICATIONS. INSTALLATION OF WATER AND SEWER LINES AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE BJWSA STANDARD CONSTRUCTION
- CONTRACTOR SHALL INSTALL MECHANICAL RESTRAINTS ON ALL BENDS, PLUGS AND TEES, 2" OR LARGER, ON WATERLINES AND SANITARY SEWER FORCE MAINS.
- 9. ALL WATER MAINS SHALL BE STERILIZED AND PRESSURE TESTED IN ACCORDANCE WITH BJWSA SPECIFICATIONS 10. SEPARATION OF WATER MAINS AND SEWERS: A. PARALLEL INSTALLATION: UNLESS OTHERWISE SPECIFICALLY SHOWN IN A SPECIAL DETAIL ON THE PLANS, INSTALL WATER MAINS AT
- LEAST 10-FT. HORIZONTALLY FROM ANY EXISTING OR PROPOSED SANITARY SEWER OR SANITARY SEWER FORCE MAIN, THE DISTANCE BEING MEASURED IN A HORIZONTAL PLANE BETWEEN THE OUTSIDE SURFACES OF THE PIPES. B. CROSSINGS: UNLESS OTHERWISE SPECIFICALLY SHOWN IN A SPECIAL DETAIL ON THE PLANS, INSTALL WATER LINES CROSSING SANITARY SEWERS OR SANITARY SEWER FORCE MAINS TO PROVIDE A MINIMUM VERTICAL SEPARATION OF 18-INCHES BETWEEN THE OUTSIDE SURFACES OF THE PIPES. THIS SHALL BE THE CASE WHETHER THE WATER LINE IS ABOVE OR BELOW THE SANITARY SEWER LINE. WHENEVER POSSIBLE LOCATE THE WATER LINE ABOVE THE SEWER LINE. WHERE A NEW WATER LINE CROSSES A NEW SEWER LINE PLACE A FULL LENGTH OF DUCTILE IRON PIPE FOR WATER LINE AT THE CROSSING WITH PIPE POSITIONED SO THAT THE JOINTS ARE
- AS FAR AS POSSIBLE FROM THE POINT OF CROSSING. WHERE A NEW WATER LINE CROSSES AN EXISTING SEWER LINE, PLACE ONE FULL LENGTH OF DUCTILE IRON PIPE WATER LINE SO THAT THE JOINTS ARE AS FAR FROM THE POINT OF CROSSING AS POSSIBLE. THE CONTRACTOR SHALL CUT AND PATCH EXISTING PAVEMENT AS REQUIRED FOR THE INSTALLATION OF UTILITY LINES. ANITARY MANHOLE RIM GRADES SHOWN ARE APPROXIMATE. ADJUST RIM ELEVATIONS TO BE FLUSH WITH FINISHED GRADE 3.THE CONTRACTOR UNDER THIS CONTRACT SHALL NOT MAKE ANY CONNECTIONS TO THE EXISTING WATER OR SANITARY SEWER SYSTEMS UNLESS EXPRESSLY AUTHORIZED TO DO SO BY THE BJWSA. ALL WATER AND SEWER IMPROVEMENTS UNDER THIS CONTRACT MUST BE CONSTRUCTED COMPLETE, TESTED, INSPECTED AND APPROVED BY THE BJWSA BEFORE ANY AUTHORIZATION TO CONNECT WILL BE GIVEN. OORDINATION OF TESTING, INSPECTION AND CONNECTIONS WITH THE BJWSA IS THE RESPONSIBILITY OF THE CONTRACTOR UNDER THIS
- 14.ALL WATER MAINS SHALL BE INSTALLED WITH THIRTY-SIX INCHES (36") MINIMUM COVER (FROM FINISHED GRADE). MAXIMUM DEPTH SHALL BE FIVE FEET (5'). WHERE WATER MAINS MAY CONFLICT WITH OTHER UTILITIES, THE WATER MAIN CROSSING SHALL BE CONSTRUCTED WITH DUCTILE IRON PIPE, MECHANICAL JOINT 45-DEG. BENDS AND MECHANICAL RESTRAINTS.

#### WORK ON SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY:

- 2. CONTRACTOR TO REFER TO THE MOST CURRENT EDITION OF THE SCHOOT STANDARD DRAWINGS. 3. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING CONSTRUCTION NOTIFICATION FORM (48 HOUR MINIMUM) AND COORDINATION OF ALL
- WORK WITHIN SCDOT RIGHTS-OF-WAY WITH THE LOCAL AND/OR DISTRICT SCDOT ENGINEERING REPRESENTATIVE. 4 CONTRACTOR IS RESPONSIBLE FOR PREPARING AND SUBMITTING A TRAFFIC CONTROL PLAN TO SCHOT FOR APPROVAL MINIMUM 48 HOURS PRIOR TO CONDUCTING WORK IN THE RIGHT-OF-WAY. ALL TRAFFIC CONTROL PLANS SHALL CONFORM TO CURRENT MUTCD AND CURRENT SCDOT GUIDELINES AND SPECIFICATIONS.
- SPECIFICATIONS AND DRAWINGS. 6. ALL PAVING AND DRAINAGE CONSTRUCTION SHALL CONFORM TO CURRENT SCHOOL STANDARD SPECIFICATIONS AND DRAWINGS.
- 7. ALL PAVEMENT MARKINGS IN SCDOT RIGHT-OF-WAY SHALL BE THERMOPLASTIC AND CONFORM TO CURRENT MUTCD GUIDELINES AND

5. ALL SIGNAGE, PAVEMENT MARKINGS, AND MARKERS SHALL CONFORM TO CURRENT MUTCD GUIDELINES AND CURRENT SCDOT STANDARD

CURRENT SCDOT STANDARD SPECIFICATIONS AND DRAWINGS. 8. REMOVAL OF PAVEMENT MARKINGS SHALL CONFORM TO CURRENT SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION

#### TREE PROTECTION-BLUFFTON

Ma DAISY'S PORCH

BJWSA PROJECT #: 2022-XXX

PERMIT(S) ISSUED FOR THIS PROJECT

- . ALL TREES HAVING A TRUNK DIAMETER OF 8-INCHES (dbh) OR LARGER, AND ENDANGERED OR VALUED TREES HAVING A TRUNK DIAMETER OF 4-INCHES (dbh) OR LARGER MUST BE PRESERVED UNLESS SPECIFICALLY APPROVED FOR REMOVAL IN ACCORDANCE WITH OWN OF BLUFFTON DEVELOPMENT STANDARDS ORDINANCE AND INDICATED ON THE PLANS TO BE REMOVED THE CONTRACTOR IS RESPONSIBLE FOR MARKING THE TREES DESIGNATED TO BE PRESERVED IN ACCORDANCE WITH THE REQUIREMENTS
- CONTAINED IN THE TOWN OF BLUFFTON DEVELOPMENT STANDARDS ORDINANCE. 3. PRIOR TO COMMENCING ANY CLEARING OR CONSTRUCTION OPERATIONS ON THE SITE, THE CONTRACTOR SHALL ERECT TREE PROTECTION BARRIERS AROUND EACH TREE OR GROUP OF TREES DESIGNATED FOR PRESERVATION IN ACCORDANCE WITH THE DETAILS ON THE PLANS AND THE REQUIREMENTS CONTAINED IN THE TOWN OF BLUFFTON UNIFIED ORDINANCE 5.3.3.
- 4. A TREE PROTECTION ZONE SHALL BE ESTABLISHED IN ACCORDANCE WITH THE PROVISIONS CONTAINED IN THE TOWN OF BLUFFTON UNIFIED ORDINANCE 5.3.3 FOR EACH EXISTING TREE DESIGNATED FOR PRESERVATION. THE MINIMUM TREE PROTECTION ZONE AS DEFINED IN THE ORDINANCE IS A CIRCULAR AREA CENTERED ON THE TREE AND HAVING A RADIUS OF THE GREATER OF 10-FT. OR ONE AND ONE-HALF FOOT PER INCH dbh (DIAMETER AT BREAST HEIGHT). THE SIZE OR CONFIGURATION OF THE TREE PROTECTION ZONE MAY BE MODIFIED ONLY UPON APPROVAL BY TOWN OF BLUFFTON.
- THE AREA WITHIN THE TREE PROTECTION ZONE MUST REMAIN OPEN AND UNPAVED. NO CHANGE OF GRADE WILL BE ALLOWED WITHIN THE REE PROTECTION ZONE EXCEPT FOR A 2—INCH CUT OR 2—INCH FILL OF TOPSOIL, SOD OR MULCH. ANY ACTIVITY WITHIN THE TREE PROTECTION ZONE IS SUBJECT TO APPROVAL BY TOWN OF BLUFFTON. THE FOLLOWING ACTIVITIES ARE PROHIBITED WITHIN THE TREE A. PLACEMENT OR STORAGE OF ANY SOIL, DEBRIS, OILS, FUEL, PAINTS, BUILDING MATERIALS OR ANY OTHER MATERIALS.
- VEHICLE PARKING . TRENCHING FOR UTILITIES
- 6. WHERE UTILITY LINES MUST PASS THRU THE TREE PROTECTION ZONE, THEY SHALL BE INSTALLED BY HORIZONTAL BORING BENEATH THE
- WHERE IT IS NECESSARY FOR MACHINERY AND EQUIPMENT TO PASS WITHIN THE TREE PROTECTION ZONE, APPROVAL MUST BE OBTAINED FROM TOWN OF BLUFFTON. SPECIAL MEASURES WILL BE REQUIRED TO PROTECT THE ROOTS FROM EXCESSIVE COMPACTION.

  THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL TREE REMOVAL PERMITS AND FOR COORDINATING ALL INSPECTIONS REQUIRED BY TOWN OF BLUFFTON IN CONNECTION WITH TREE PRESERVATION AND REMOVAL ACTIVITIES. DURING CONSTRUCTION.

#### SITE GRADING AND DRAINAGE

ADJACENT BUILDINGS OR STRUCTURES.

- ALL UTILITIES SHOWN ARE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 72-HOUR NOTICE TO ALL RESPECTIVE UTILITY COMPANIES FOR FIELD VERIFICATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. ANY DAMAGES TO EXISTING UTILITIES DUE TO THIS CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. TEMPORARY CONTROL OF STORM WATER DRAINAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SEQUENCING AND CONSTRUCTION TECHNIQUES SHALL PREVENT OBSTRUCTION OF STORM SEWERS, PONDING IN TRAFFIC AREAS OR RISING OF WATER LEVELS WHICH WOULD ENTER
- FULL WIDTH OF STREET AND ROAD RIGHTS-OF-WAY MUST BE CLEARED AND GRADED AS SHOWN IN THE DETAILS ON THE DRAWINGS . SUBGRADE PREPARATION: TOP SOIL SHALL BE REMOVED FROM PAVED AREAS TO A MINIMUM DEPTH AS RECOMMENDED IN THE PROJECT'S GEOTECHNICAL REPORT. ALL EXCAVATION SHALL BE TO SUBGRADE LIMITS. . ALL UTILITY PIPE LINES, CONDUITS AND SLEEVES UNDER PAVED AREAS MUST BE IN PLACE PRIOR TO COMPLETION OF THE ROADWAY SUBGRADE
- FINISH GRADING SHALL INCLUDE THE PLACEMENT OF TOPSOIL OVER ALL UNPAVED AREAS NOT OCCUPIED BY BUILDINGS OR STRUCTURES AND FINE GRADING AROUND BUILDINGS, ADJACENT TO WALKS, CURBS, GUTTERS AND STRUCTURES TO ASSURE POSITIVE DRAINAGE.

#### SCDHEC/OCRM SEDIMENT AND EROSION CONTROL STANDARD NOTES (REVISED DEC-2012):

- . 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 A. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST
- B. 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 SCR100000.
- 8. 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.

- O.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. 11.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
- 12.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.
- 13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL. 14. 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 FOLUVALENT OR BETTER TREATMENT PRIOR TO
- THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.). 16. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED: A. WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL. B. WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION
- FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING 17. 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 18.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 19.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

#### DRY UTILITY CONDUITS FOR ELECTRIC, TELEPHONE AND CABLE TV:

- ALL DRY UTILITY CONDUIT ENDS SHALL BE CAPPED AND MARKED WITH A STEEL REBAR STAKE IMBEDDED ONE (1) FOOT BELOW GROUND SURFACE. 2. 48" MINIMUM BURY DEPTH FOR ALL ELECTRICAL CONDUITS.
- . MAINTAIN MINIMUM 12" VERTICAL CLEARANCE WHEN CROSSING WATER, SEWER, AND STORM DRAIN LINES.
- . MAINTAIN MINIMUM 18" HORIZONTAL CLEARANCE WHEN PARALLELING WATER, SEWER AND STORM DRAIN LINES. . EXTEND CONDUIT BEYOND PAVEMENT, CURB, AND SIDEWALKS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE INSTALLATION OF ALL LITHLITY SERVICE CONNECTIONS, REFER TO APPROVED. BUILDING PLANS FOR THE EXACT LOCATION OF ALL SERVICE CONNECTIONS. THE CONTRACTOR MUST INSTALL ALL CONDUITS, AS SHOWN ON THE PLANS OR AS REQUIRED BY RESPECTIVE UTILITY COMPANIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE STRICT COMPLIANCE WITH
- ALL APPLICABLE CODES AND REGULATIONS WITH REGARDS TO THE INSTALLATION OF UTILITIES AND CONDUIT.

  LOCATIONS SHOWN ON THE PLANS FOR PROPOSED DRY UTILITY CONDUITS ARE APPROXIMATE ONLY. ALL DIMENSIONING AND STAKING SHOULD BE BASED ON ECONOMICAL AND PRACTICAL CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE RESPECTIVE UTILITY REPRESENTATIVES, PRIOR TO ANY CONDUIT INSTALLATION. TRANSFORMER PADS SHALL BE LOCATED AS DIRECTED BY THE RESPECTIVE UTILITY REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE
- FOR COMPLIANCE WITH APPLICABLE CODE REQUIREMENTS. 9. NOTIFY THE ENGINEER IF CONFLICTS WITH EXISTING OR PROPOSED STRUCTURES REQUIRE PROPOSED UTILITIES BE RELOCATED.

#### SITE CLEARING AND DEMOLITION:

- IO CLEARING SHALL OCCUR WITHIN DESIGNATED BUFFER ZONES, TREE PROTECTION ZONES, OUTSIDE OF THE PROPERTY LINES OR BEYOND THE CLEARING LIMITS UNLESS OTHERWISE SPECIFICALLY SHOWN ON THE PLANS. ONLY THOSE TREES DESIGNATED ON THE DRAWINGS FOR REMOVAL ARE TO BE REMOVED AS PART OF THE SITE CLEARING OPERATIONS. THE CONTRACTOR SHALL INSTALL A CONTINUOUS LINE OF FLAGGING OR FENCING ALONG THE LIMITS OF CLEARING PRIOR TO COMMENCING ANY CLEARING, DEMOLITION, OR CONSTRUCTION WORK ON THE PROJECT.
- 4. EXERCISE CAUTION DURING CLEARING OPERATIONS TO AVOID FELLING TREES INTO DESIGNATED TREE PROTECTION ZONES. 5. NO BURNING WILL BE ALLOWED WITHIN 50 FEET OF A TREE PROTECTION ZONE OR TREE DRIP LINE. CONTRACTOR SHALL COORDINATE ANY BURNING OPERATIONS WITH LOCAL JURISDICTION AND FIRE DEPARTMENTS. 6. SELECTIVE CLEARING AREAS SHALL BE CLEARED OF ALL BRUSH AND UNDERSTORY GROWTH.

843-208-5512 1 COOPERATIVE WAY, HARDEEVILLE, SC 29927 800-251-7234 PO BOX 100255 COLUMBIA, SC 29202 DOMINION ENERGY 843-987-9292 6 SNAKE ROAD, OKATIE, SC 29909

HARGRAY COMMUNICATIONS PO BOX 3380, BLUFFTON, SC 29910 11 OFFICE PARK ROAD, HILTON HEAD, SC 29928 TIME WARNER CABLE CENTURY LINK 2127 BOUNDARY ST #16, BEAUFORT, SC 29902 1 RIVERWOOD DRIVE, MONCKS CORNER, SC 2946

#### CONTRACTOR NOTE

CONTRACTOR TO OBTAIN AND BECOME FAMILIAR WITH GEOTECHNICAL \_\_\_\_PREPARED\_BY\_\_

SPECIFICATIONS IF NOT PROVIDED WITH THE DRAWINGS.

ALL WORK MUST CONFORM TO PROJECT TECHNICAL SPECIFICATIONS FOR Ma DAISY'S PORCH PREPARED BY WARD EDWARDS ENGINEERING. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE TECHNICAL





# PROJECT INFORMATION

PROPERTY OWNER DAISY'S LEGACY HOLDINGS, LLC DAISY'S LEGACY HOLDINGS, LLC 1227 MAY RIVER ROAD 1227 MAY RIVER ROAD BLUFFTON, SC 29910 BLUFFTON, SC 29910

#### BEAUFORT COUNTY REGISTER OF DEEDS DEED BOOK 959 PAGE 374

DEED BOOK 959 PAGE 378

#### PROJECT STREET ADDRESS 1251 & 1253 MAY RIVER ROAD

PROPERTY IDENTIFICATION NO.: LATITUDE / LONGITUDE County I.D. #:R610-039-00A-0235-0000 R610-039-00A-003A-0000 W 80° 51' 59"

### **DEVELOPMENT PERMIT JURISDICTION:**

PROPERTY ZONING: NEIGHBORHOOD GENERAL-HD

**EXISTING:** MIXED USE PROPOSED: 4 BUILDINGS

FLOOD ZONE

### SURFACE COVERAGE

MIN OPEN SPACE REQUIRED: 20 % EXISTING IMPERVIOUS: 13,755 SQ. FT. (17 %) PROPOSED IMPERVIOUS: 26,475 SQ. FT. (33 %) OPEN SPACE PROVIDED: 20,000 SQ. FT. (24 %)

#### PARKING SUMMARY

PARKING USE TYPES USE TYPE = XX SPACES/XX SQ. FT.PARKING REQUIRED: PARKING PROVIDED:

#### TOTAL = XX SPACES ACCESSIBLE PARKING REQUIRED: X SPACES ACCESSIBLE PARKING PROVIDED: X SPACES

## **DESIGN TEAM** LAND SURVEYOR

GEOTECHNICAL ENGINEER: ATLAS SURVEYING, INC 843.815.5120 843.645.9277

#### 843.837.5700 LANDSCAPE ARCHITECT:

WITMER JONES KEEFER, LTD.

PEARCE SCOTT ARCHITECTS

	PERMITS		
PERMIT	PERMIT #	ISSUED	EXPIRE
BJWSA			
FIRE MARSHAL			
SCDHEC/MS4 STORMWATER			
SCDHEC WATER			
SCDHEC WASTEWATER			
SCDOT ENCROACHMENT UTILITY			
SCDOT ENCROACHMENT DRIVEWAY			
MUNICIPALITY DEVELOPMENT			
USACE DETERMINATION			
			I

#### SCHEDULE OF DRAWINGS SHEET NO. **DESCRIPTION** COVER SHEET & CONSTRUCTION NOTES

VICINITY MAP (NOT TO SCALE)

C101 EXISTING CONDITIONS PLANS C201 INITIAL EROSION CONTROL PLANS AND DETAILS

JASON ST

- CLEARING & DEMOLITION PLANS AND DETAILS SITE LAYOUT PLANS
- GRADING PLANS AND DETAILS

DRAINAGE PLANS AND DETAILS

ADA ACCESSIBLE ROUTE

- C701 UTILITY PLANS, PROFILES AND DETAILS INTERMEDIATE & FINAL EROSION CONTROL PLANS AND DETAILS
- C901 PAVING PLANS, ROAD PROFILES AND DETAILS

	RELEASE SCHEDULE	
RELEASE NO.	DESCRIPTION	DATE
Α.	RELEASED FOR REVIEW	02-18-22
В.	RELEASED FOR PERMITTING	04-01-22

#### SEQUENCE OF CONSTRUCTION ACTIVITIES

ESTIMATED START DATE: 07-01-22 ESTIMATED COMPLETION DATE: 04-01-23 ITEMS MUST OCCUR IN THE ORDER LISTED; ITEMS CANNOT OCCUR CONCURRENTLY UNLESS SPECIFICALLY NOTED.

- PHASE 1: (INITIAL)

  1. RECEIVE NPDES COVERAGE FROM DHEC.
- HOLD PRE-CONSTRUCTION MEETING. NOTIFY DHEC EQC REGIONAL OFFICE OR OCRM OFFICE 48 HOURS PRIOR TO BEGINNING LAND-DISTURBING ACTIVITIES.
- CLEARING & GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS.
- INSTALLATION OF PERIMETER CONTROLS (E.G. SILT FENCE).
- 8. INSTALL INLET PROTECTION . INSTALL SEDIMENT TUBES.
- 10. CLEARING & GRUBBING ONLY IN AREAS OF BASIN.

#### PHASES 2 & 3: (INTERMEDIATE & FINAL) 11. INSTALLATION OF BASIN AND INSTALLATION OF DIVERSIONS TO THOSE STRUCTURES (OUTLET STRUCTURES MUST BE COMPLETELY INSTALLED AS SHOWN ON THE DETAILS BEFORE PROCEEDING TO NEXT STEP; AREAS DRAINING TO THESE STRUCTURES CANNOT BE DISTURBED UNTIL THE STRUCTURES & DIVERSIONS TO THE STRUCTURES ARE COMPLETELY INSTALLED). INSTALL SURFACE DEWATERING SKIMMER PRIOR TO MOVING TO NEXT STEP.

12. CLEARING & GRUBBING OF SITE OR DEMOLITION (SEDIMENT & EROSION CONTROL MEASURES FOR THESE AREAS MUST ALREADY BE INSTALLED).

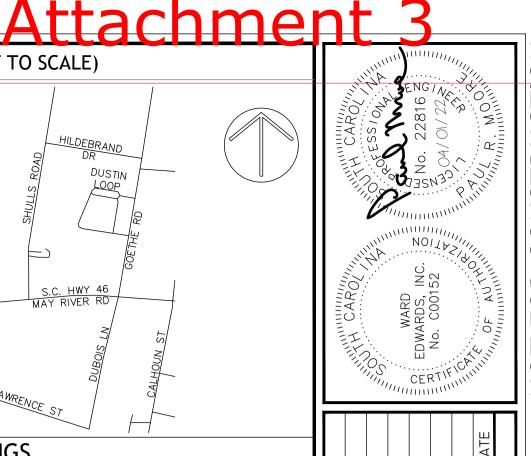
23. PERFORM AS-BUILT SURVEYS OF ALL DETENTION STRUCTURES AND SUBMIT TO DHEC OR MS4 FOR ACCEPTANCE.

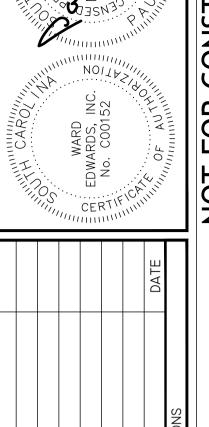
. NOTE: ALL PUMPED DEWATERING SHALL BE PERFORMED USING AN APPROPRIATELY SIZED PUMPED WATER FILTER BAG.

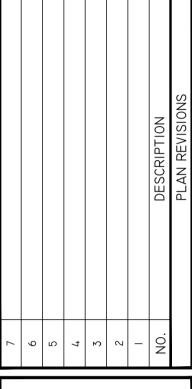
- 14. INSTALLATION OF STORM DRAIN SYSTEM AND PLACEMENT OF INLET PROTECTION AS EACH INLET IS INSTALLED. 15. INSTALL ALL REQUIRED UTILITIES AND CURBING.
- 16. FINE GRADING, PAVING, E 17. PLACE TOPSOIL & ESTABLISH FINISH GRADES.
- 18. PERMEABLE PAVERS SHALL BE LAID WHEN ALL HEAVY CONSTRUCTION IS COMPLETED. 19. CLEAN-OUT OF DETENTION BASINS THAT WERE USED AS SEDIMENT CONTROL STRUCTURES AND RE-GRADING OF DETENTION POND BOTTOMS; IF NECESSARY, MODIFICATION OF SEDIMENT BASIN RISER TO CONVERT TO DETENTION BASIN OUTLET STRUCTURE. 20. INSTALL PERMANENT SEEDING
- 21. FLUSH ANY SEDIMENT FROM STORM SEWER PIPES AND INLETS. 22. REMOVAL OF TEMPORARY SEDIMENT & EROSION CONTROL MEASURES (INCLUDING SKIMMER) AFTER ENTIRE AREA DRAINING TO THE STRUCTURE IS FINALLY STABILIZED (THE DEPARTMENT RECOMMENDS THAT THE PROJECT OWNER / OPERATOR HAVE THE SWPPP PREPARER OR REGISTRATION EQUIVALENT APPROVE THE REMOVAL OF TEMPORARY STRUCTURES)
- 24. SUBMIT NOTICE OF TERMINATION (NOT) TO DHEC AS APPROPRIATE. . NOTE: PERFORM WEEKLY SITE INSPECTIONS DURING LAND DISTURBING ACTIVITIES AND MAKE RECOMMENDATIONS FOR ADDITIONAL BMPs OR

#### SCDHEC-OCRM CERTIFICATION:

"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."







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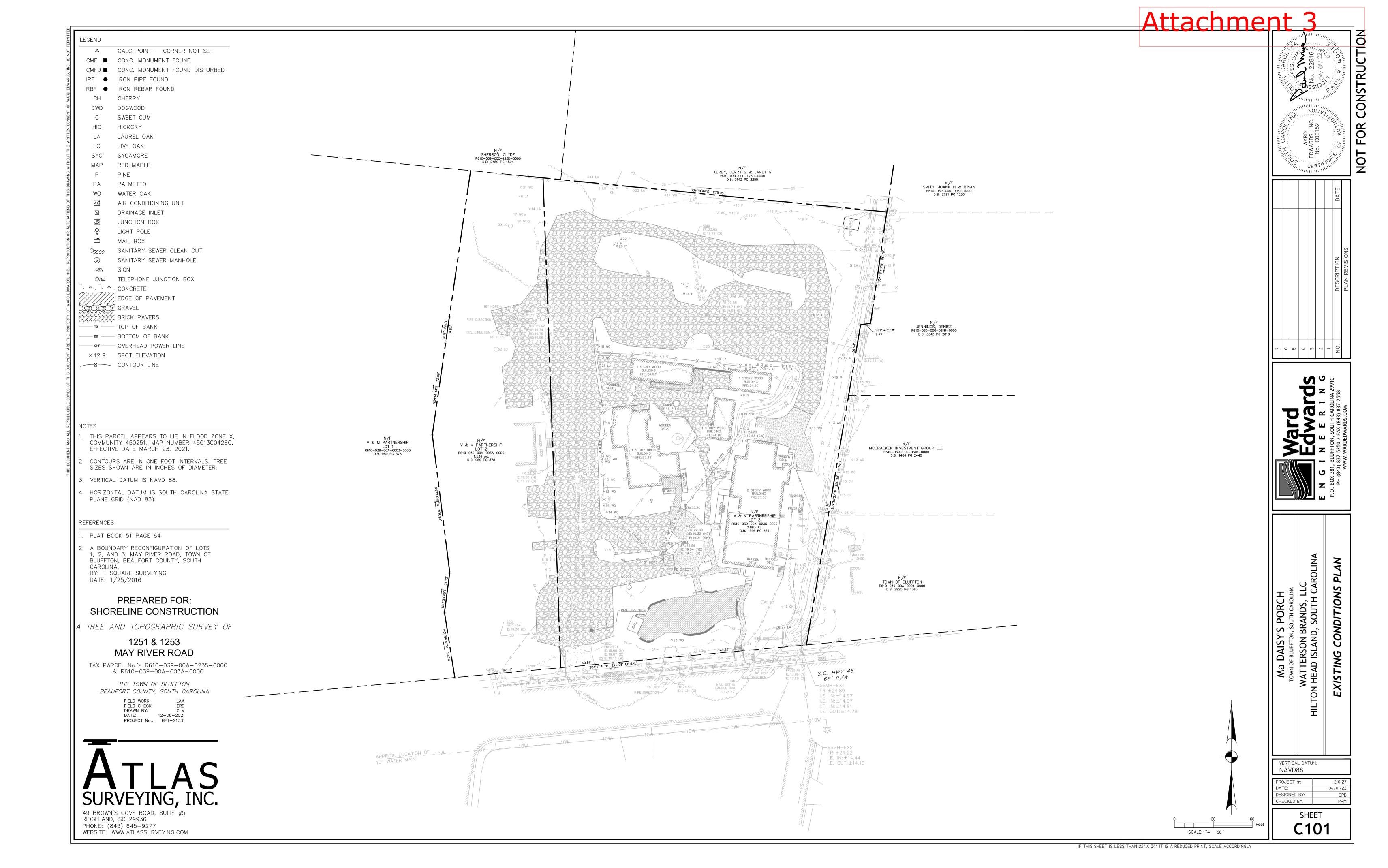
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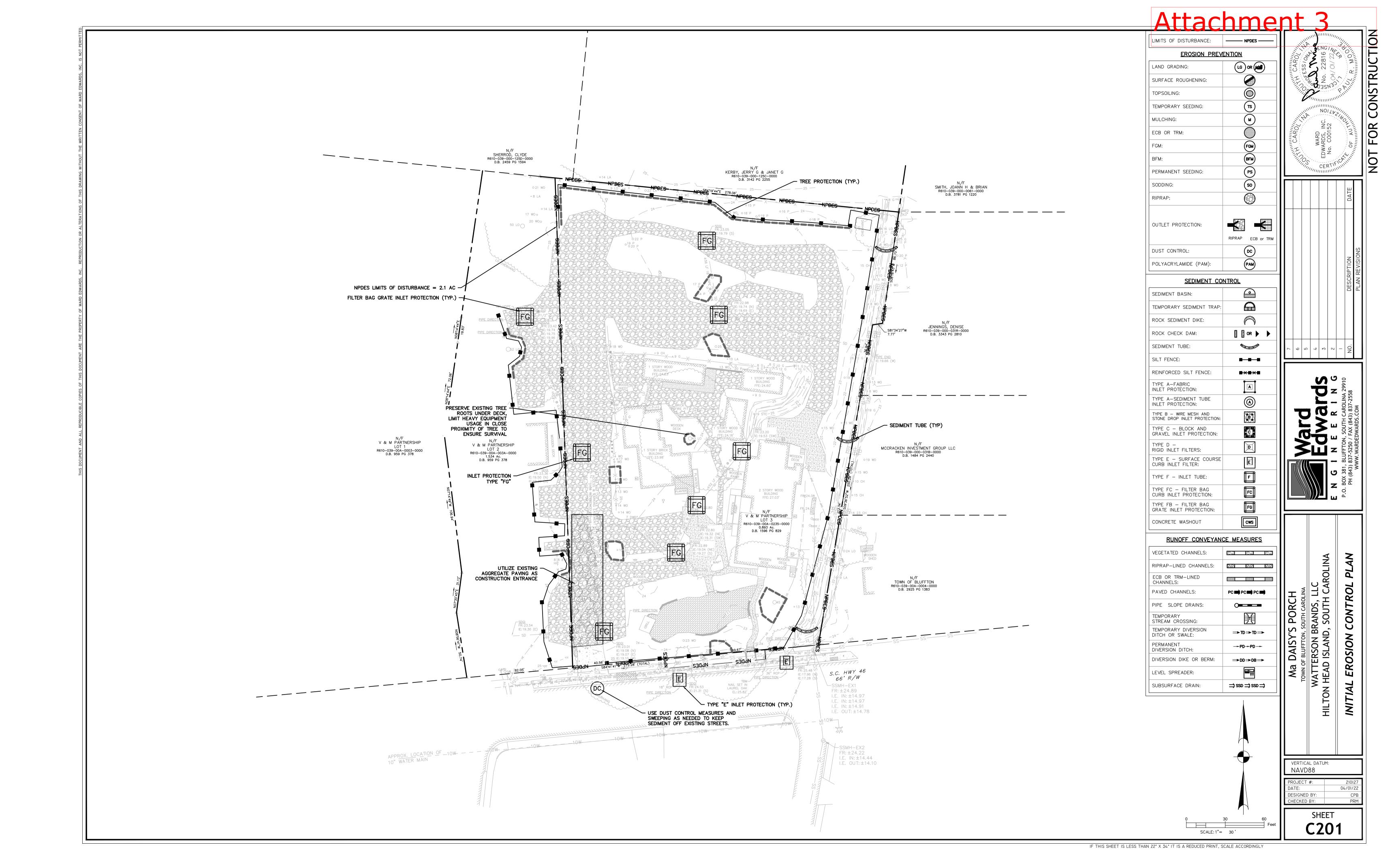
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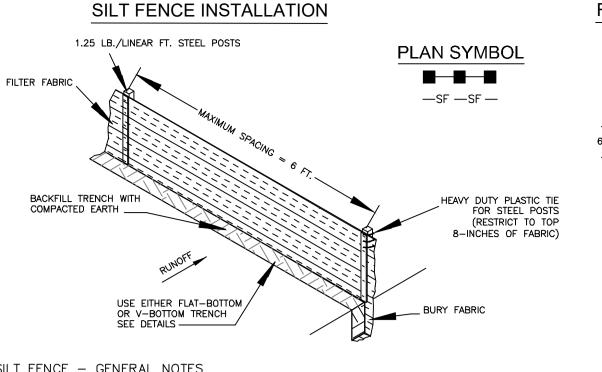
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DESIGNED BY





ADHESIVE	WATER DILUTION	NOZZLE TYPE	APPLICATION (GAL./ACRE)
ANIONIC ASPHALT EMULSION	7:1*	COARSE SPRAY	1,200
LATEX EMULSION	12.5: 1*	FINE SPRAY	235
RESIN-IN- WATER EMULSION	4:1*	FINE SPRAY	300



# FLAT-BOTTOM TRENCH DETAIL HEAVY DUTY PLASTIC TIE COMPACTED EARTH \ 18-IN. TO 24-IN. (MINIMUM)

South Carolina Department of

Health and Environmental Control

Type A

indard drawing no. SC-07 PAGE 1 of 2

PEBRUARY 2014
DATE

FILTER FABIC INLET PROTECTION

NOT TO SCALE

FENCE - POST REQUIREMENTS Silt Fence posts must be 48—inch long steel posts that meet, at a minimum, the following physical characteristics.

- Composed of a high strength steel with a minimum yield strength of - 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%)

- Posts shall be equipped with projections to aid in fastening of filter fabric.
- Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be
- Install posts to a minimum of 24-inches. A minimum height of 1- to 2-
- SILT FENCE INSPECTION & MAINTENANCE 1. The key to functional silt fence is weekly inspections, routine maintenance, and
- 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.
  - 5. Removed sediment shall be placed in stockpile storage areas or spread thinly

Remove accumulated sediment when it reaches 1/3 the height of the silt

across disturbed area. Stabilize the removed sediment after it is relocated.

- 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%)
- Posts shall be equipped with projections to aid in fastening of filter
- Install posts to a minimum of 24—inches. A minimum height of 1— to
- 2- inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
- 4. Post spacing shall be at a maximum of 3-feet on center
- sediment, and dispose of them properly. Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas

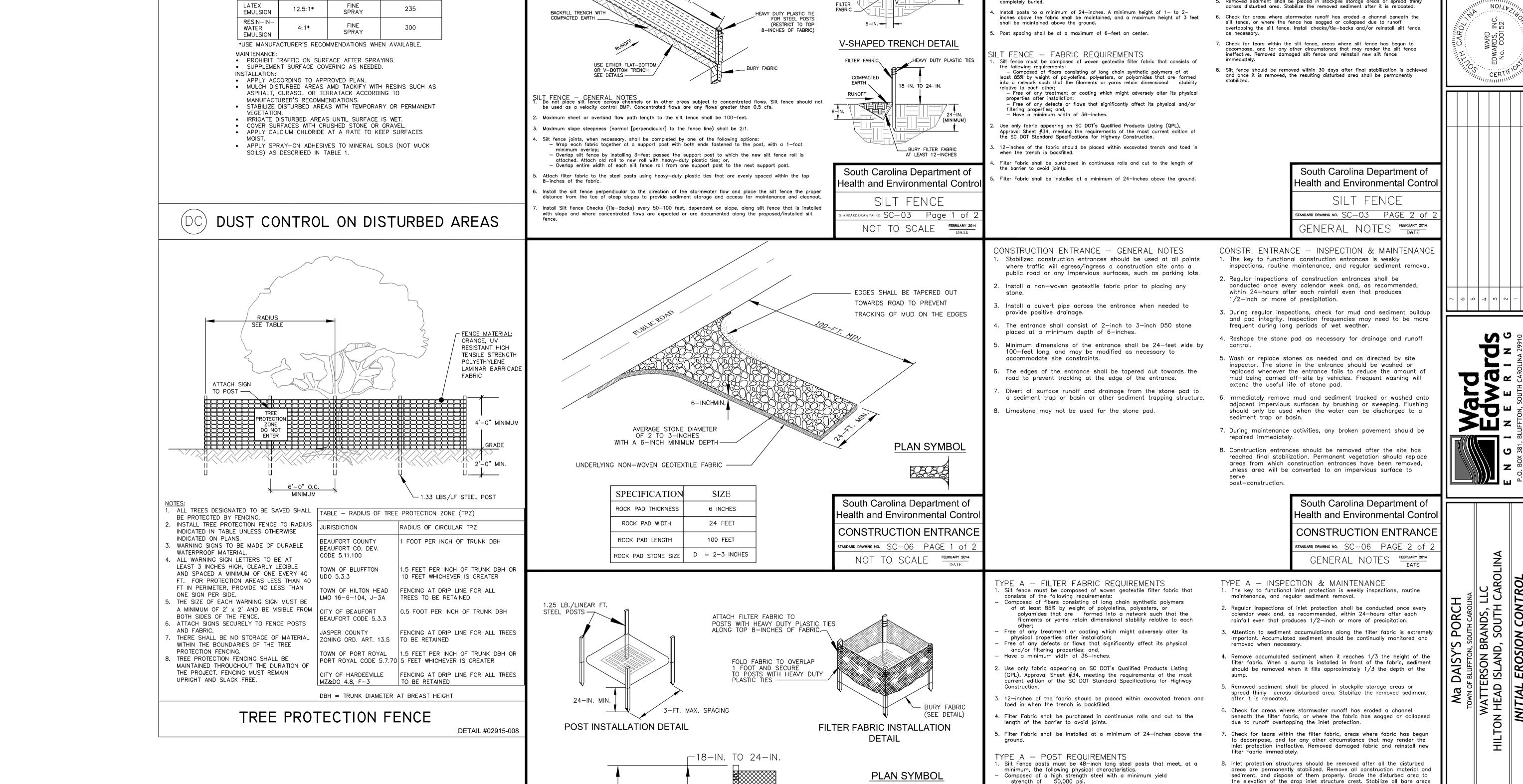
South Carolina Department of Health and Environmental Control Type A FILTER FABIC INLET PROTECTION randard drawing no. SC-07 PAGE 2 of 2

GENERAL NOTES

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48-IN. MIN.

OF 12-INCHES OF FILTER FABRIC-

BURY & TRENCH MINIMUM

8-IN. MIN.

FILTER FABRIC BURIAL DETAIL

MAXIMUM DRAINAGE AREA = 1/2 ACRE.

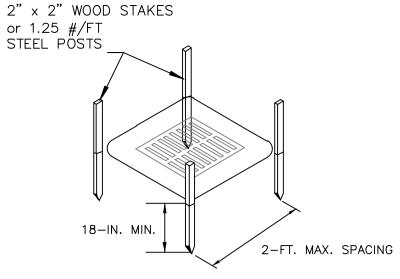
ROLLED EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT. AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40

INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

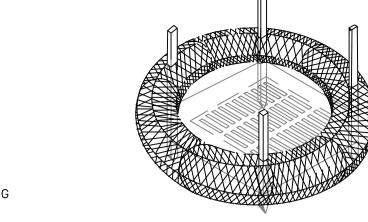
DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

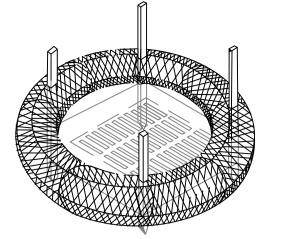
#### FILTER BAG GRATE INLET PROTECTION

NO SCALE

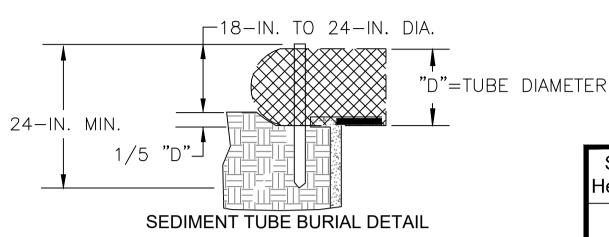


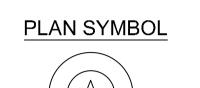
POST INSTALLATION DETAIL





SEDIMENT TUBE INSTALLATION **DETAIL** 







Type A SEDIMENT TUBE INLET PROTECTION ANDARD DRAWING NO. SC-07A PAGE 1 of NOT TO SCALE

TYPE A - SEDIMENT TUBE INLET PROTECTION

#### GENERAL NOTES

- Sediment tubes are elongated tubes of compacted geotextiles, curled excelsior wood, natural coconut fiber, or hardwood mulch. Straw, pine needle, and leaf mulch-filled sediment tubes are not permitted.
- . The outer netting of the sediment tube should consist of seamless, high—density polyethylene photodegradable materials treated with ultraviolet stabilizers or a seamless, high-density
- polyethylene non-degradable material. Sediment tube diameters shall range from 18—inches to 24-inches. Sediment tunes with smaller diameters are
- 4. Curled excelsior wood, or natural coconut products that are

prohibited when used as inlet protection.

- rolled up to create a sediment tube are not allowed. 5. Sediment tubes should be staked using wooden oak stakes (2-inch X 2-inch) or steel posts (standard "U" or "T"
- sections with a minimum weight of 1.25 pounds per foot) at a minimum of 48-inches in length placed on 2-foot centers. Install all sediment tubes to ensure that no gaps exist
- between the soil and the bottom of the tube. Manufactuer's recommendations should always be consulted before

7. The ends of adjacent sediment tubes should be overlapped

- 6-inches to prevent flow and sediment from passing through
- 3. Sediment tubes should not be stacked on top of one another.
- . Each sediment tube should be installed in a trench with a depth equal to 1/5 the diameter of the sediment tube.
- 10. Install stakes at a diagonal facing incoming runoff.

### INSPECTION & MAINTENANCE

- 1. The key to functional inlet protection is weekly inspections, routine maintenance, and regular sediment removal.
- 2. Regular inspections of sediment tube inlet protection 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 in front of the sediment tube 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 sediment tube. When a sump is installed in front of the inlet protection, sediment shall be removed when if fills approximately 1/3 the depth of the sump.
- 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. Large debris, trash, and leaves should be removed from in ront of tubes when found.
- 7. 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.

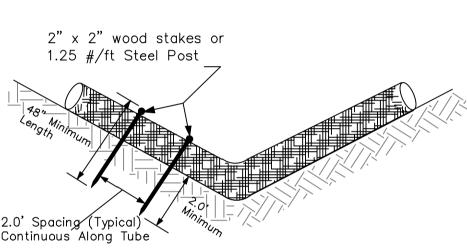
#### South Carolina Department of Health and Environmental Control

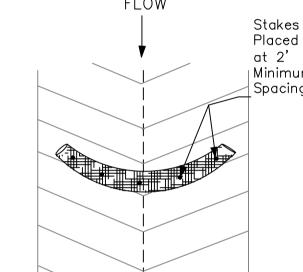
Type A

NOT TO SCALE

SEDIMENT TUBE INLET PROTECTION tandard drawing no. SC-O7A PAGE 2 of

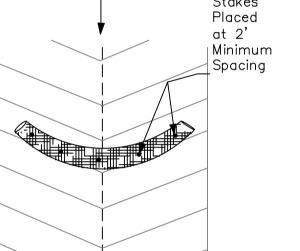
## SEDIMENT TUBE INSTALLATION





## PLAN SYMBOL

SLOPE	MAX. SEDIMENT TUBE SPACING
LESS THAN 2%	150-FEET
2%	100-FEET
3%	75-FEET
4%	50-FEET
5%	40-FEET
6%	30-FEET
GREATER THAN 6%	25-FEET



South Carolina Department of	a

South Carolina Department Health and Environmental Co
SEDIMENT TUBES
standard drawing no. $SC-05$ PAGE 1 (
NOT TO SCALE FEBRUARY

SEDIMENT TUBES — GENERAL NOTES Sediment tubes may be installed along contours, in drainage conveyance channels, and around inlets to help prevent off-site discharge of sediment-laden stormwater runoff.

Sediment tubes are elongated tubes of compacted geotextiles,

mulch. Straw, pine needle, and leaf mulch—filled sediment tubes are not permitted. The outer netting of the sediment tube should consist of seamless, high—density polyethylene photodegradable materials treated with ultraviolet stabilizers or a seamless, high-density

curled excelsior wood, natural coconut fiber, or hardwood

- polyethylene non-degradable material. Sediment tubes, when used as checks within channels, should range between 18-inches and 24-inches depending on dimensions. Diameters outside this range may be allowed
- Curled excelsior wood, or natural coconut products that are rolled up to create a sediment tube are not allowed.

where necessary when approved.

- Sediment tubes should be staked using wooden stakes (2-inch X 2-inch) or steel posts (standard "U" or "T" sections with a minimum weight of 1.25 pounds per foot) at a minimum of 48-inches in length placed on 2-foot centers.
- Install all sediment tubes to ensure that no gaps exist between the soil and the bottom of the tube. Manufacturer's recommendations should always be consulted before
- The ends of adjacent sediment tubes should be overlapped 6-inches to prevent flow and sediment from passing through
- Sediment tubes should not be stacked on top of one another,
- unless recommended by manufacturer.
- 10. Each sediment tube should be installed in a trench with a depth equal to 1/5 the diameter of the sediment tube.
- Sediment tubes should continue up the side slopes a minimum of 1—foot above the design flow depth of the channel.
- 12. Install stakes at a diagonal facing incoming runoff.

#### 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.
- sand, and other weighted materials or mechanisms to hold the unit in place. Fill aggregate compartments to a level (at

5. Each filter should have aggregate compartments for stone,

- 1/2 full) to hold the filter in place and create a seal between the filter and the road surface.
- meeting the most current edition of the SC DOT Standard

#### SEDIMENT TUBES - INSPECTION & MAINTENANCE 1. The key to functional sediment tubes is weekly inspections, routine maintenance, and regular sediment removal.

- 2. Regular inspections of sediment tubes 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 3. Attention to sediment accumulations in front of the sediment
- tube 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 sediment tube.
- 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. Large debris, trash, and leaves should be removed from in front of tubes when found.
- 7. If erosion causes the edges to fall to a height equal to or below the height of the sediment tube, repairs should be made immediately to prevent runoff from bypassing tube.
- 8. Sediment tubes should be removed after the contributing drainage area has been completely stabilized. Permanent vegetation should replace areas from which sediment tubes have been removed.

#### South Carolina Department of Health and Environmental Control

SEDIMENT TUBES tandard drawing no. SC-05 PAGE 2 of

GENERAL NOTES FEBRUARY 2014

DATE

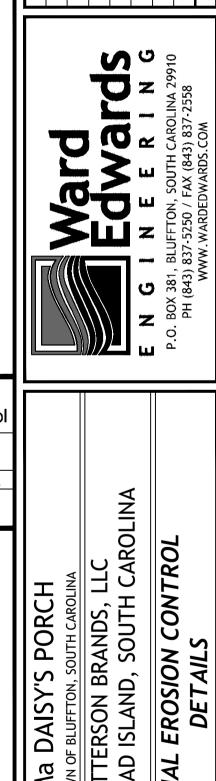
- routine maintenance, and regular sediment removal.
- 2. Regular inspections of all inlet protection shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
- protection is extremely important. Accumulated 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
- 5. Removed sediment shall be placed in stockpile storage areas
- 6. Inlet protection structures should be removed after the disturbed areas are permanently stabilized. Remove all construction material and sediment, and dispose of them

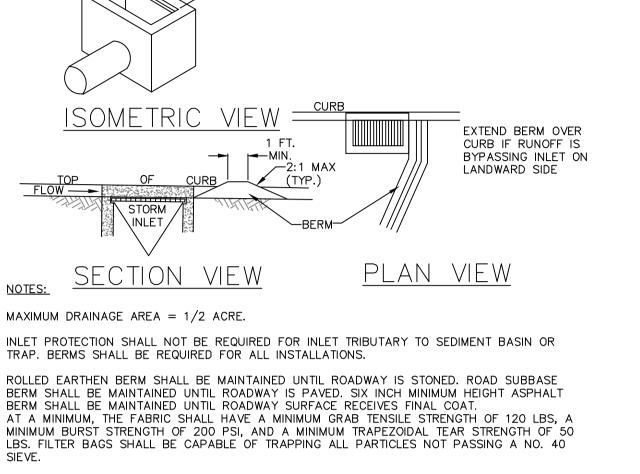
South Carolina Department of Health and Environmental Control Type E SURFACE COURSE CURB INLET FILTERS tandard drawing no. SC-10 PAGE 2 of

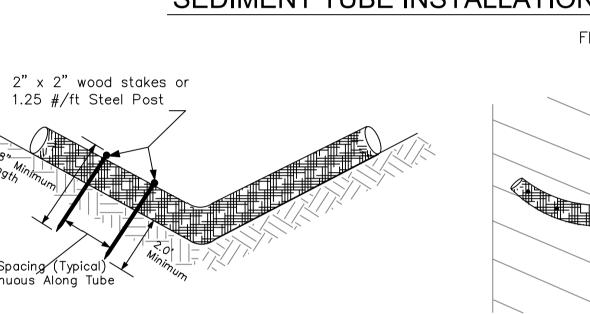
GENERAL NOTES

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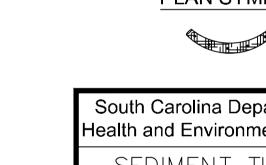


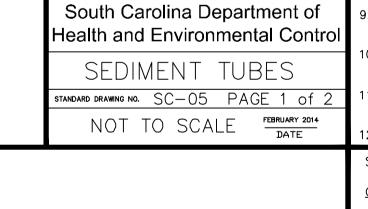


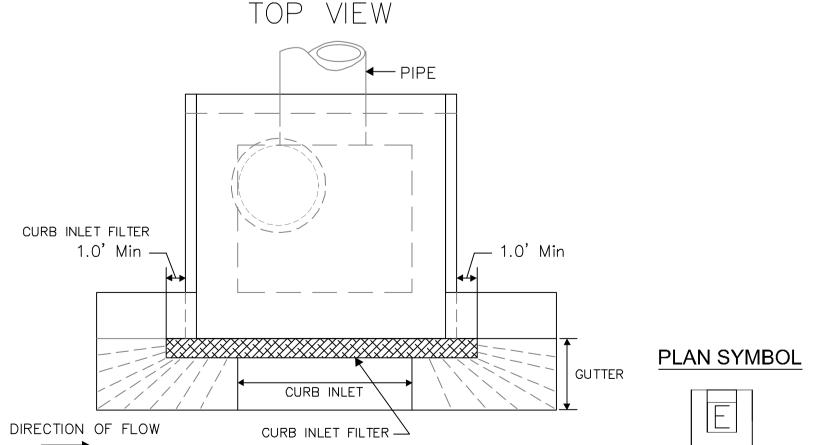


## SEDIMENT TUBE SPACING

SLOPE	MAX. SEDIMENT TUBE SPACING
LESS THAN 2%	150-FEET
2%	100-FEET
3%	75-FEET
4%	50-FEET
5%	40-FEET
6%	30-FEET
GREATER THAN 6%	25-FEET







South Carolina Department of Health and Environmental Control

Type E SURFACE COURSE CURB INLET FILTERS tandard drawing no. SC-10 PAGE 1 of 2 NOT TO SCALE

6. Use only Type E inlet filters appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #58, or filters that Specifications for Highway Construction.

**INSPECTION AND MAINTENANCE** 

1. The key to functional inlet protection is weekly inspections,

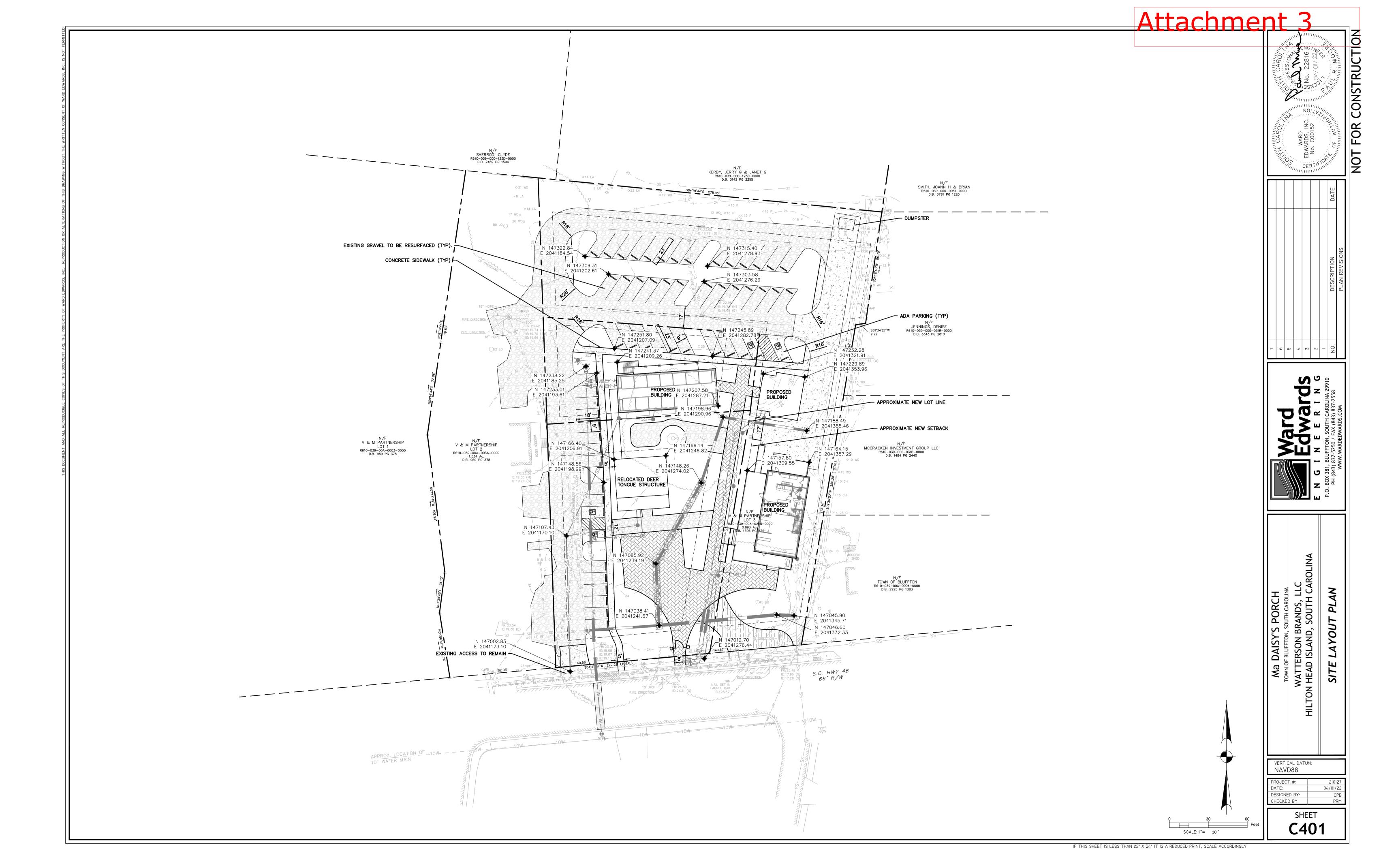
3. Attention to sediment accumulations in front of the inlet

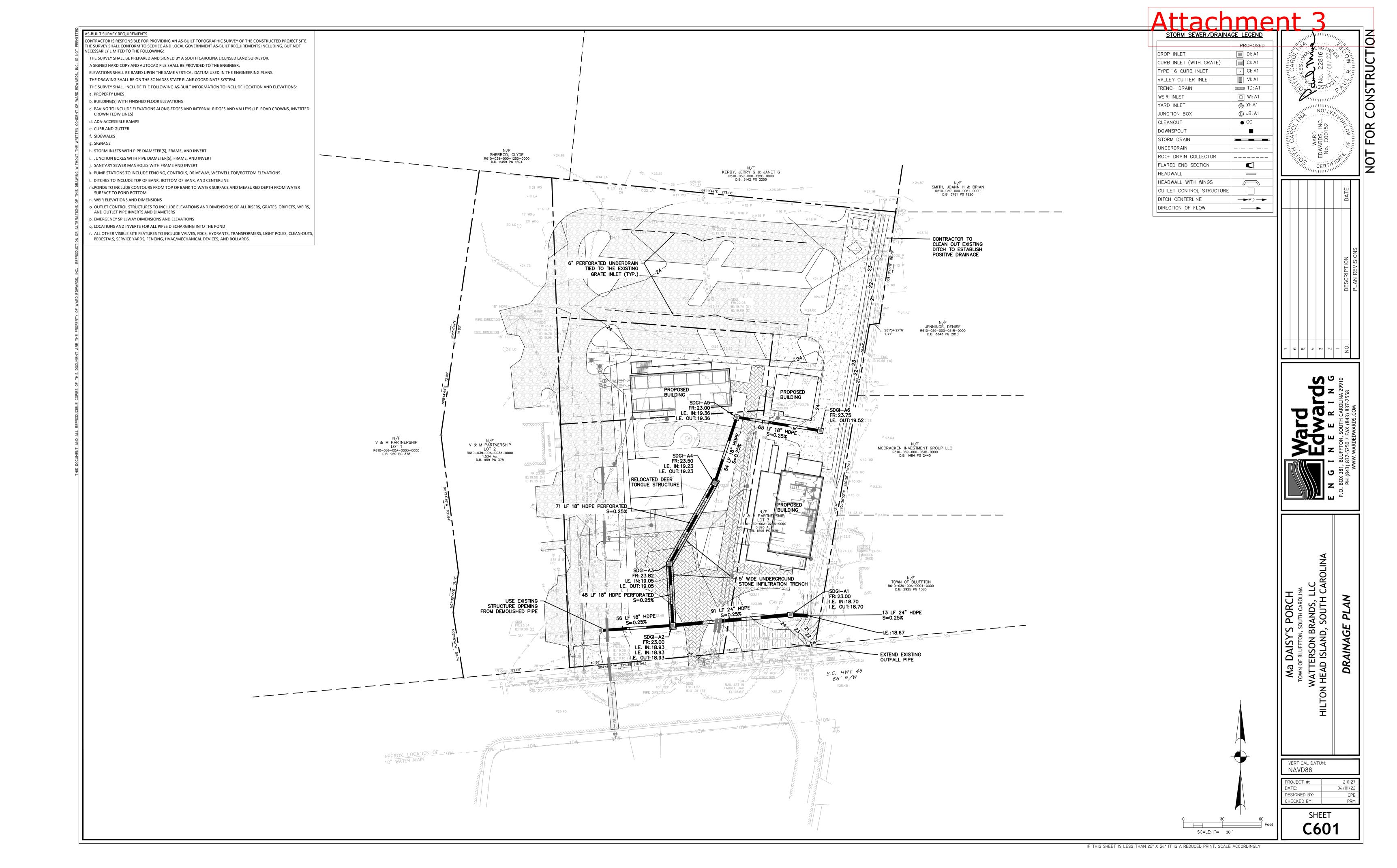
or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.

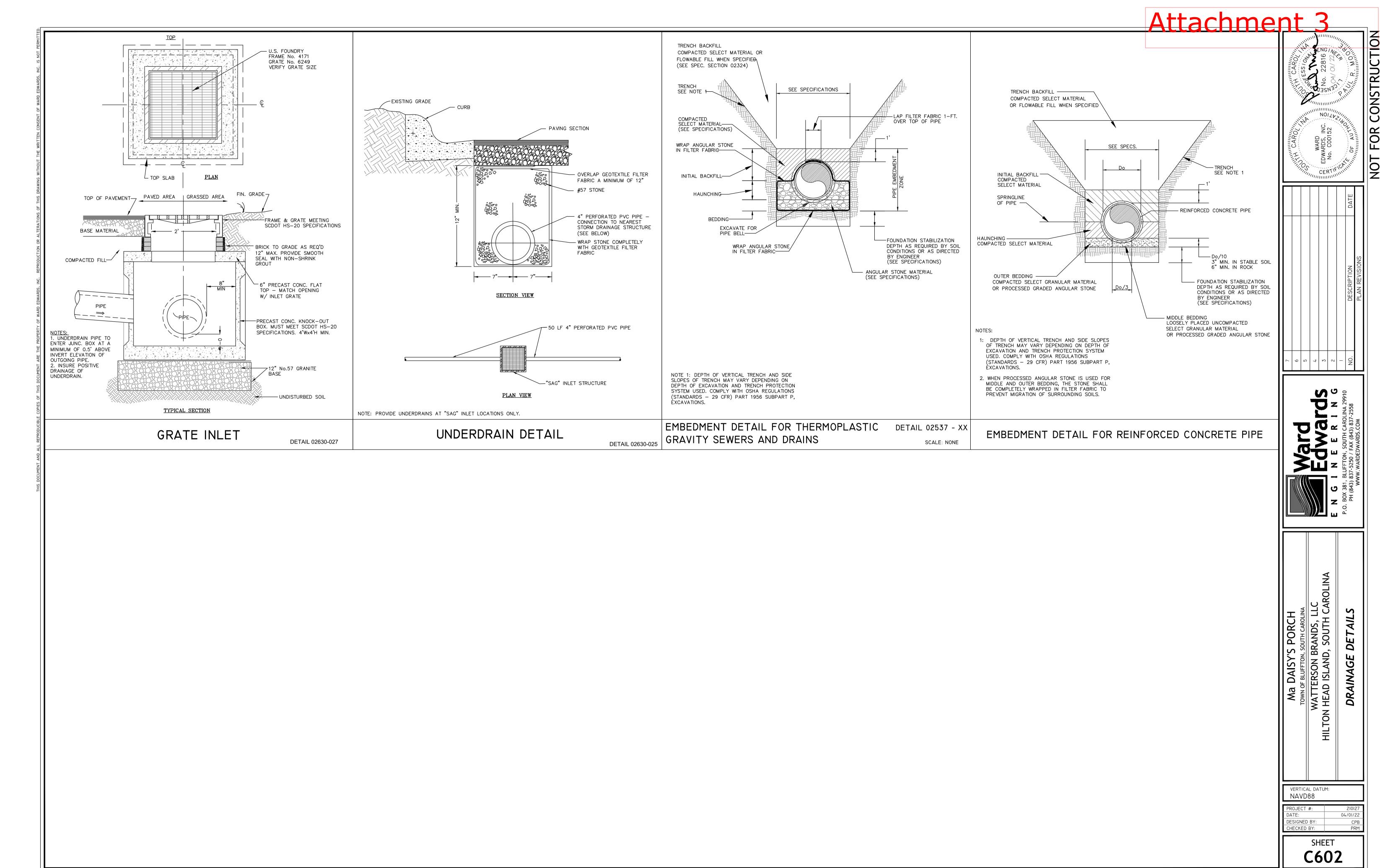
properly. Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas immediately.

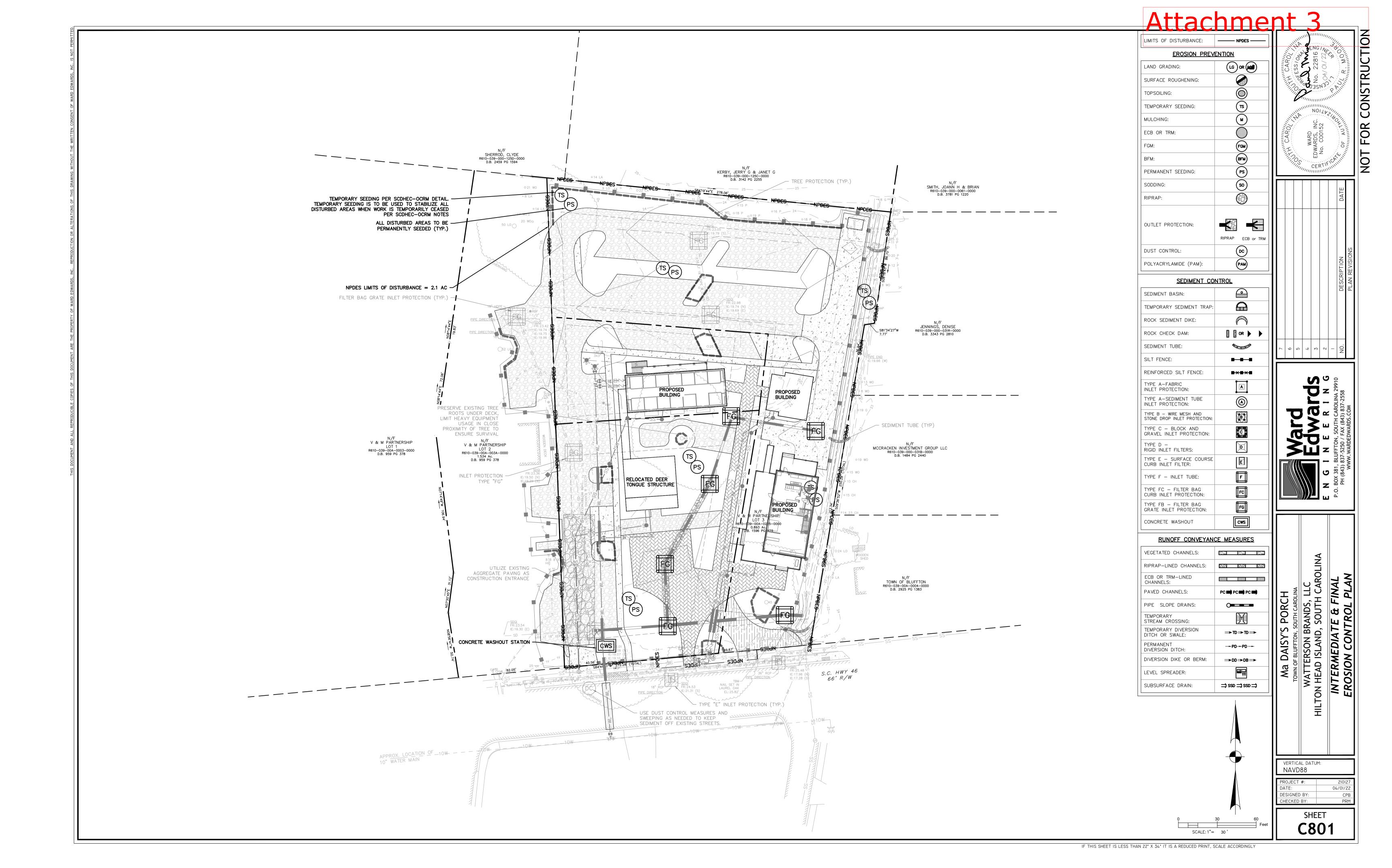
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