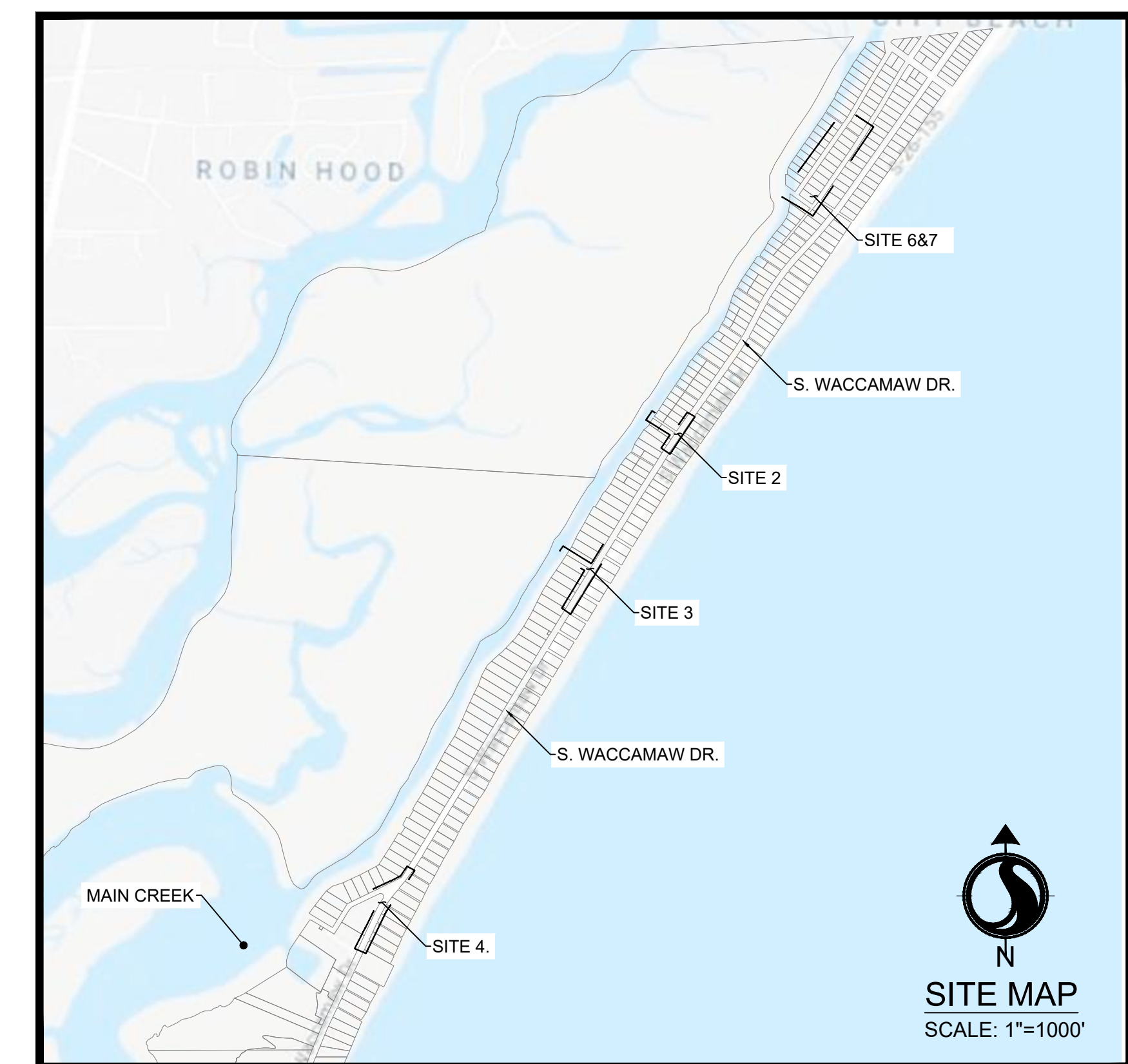




STANTEC CONSULTING SERVICES INC.  
4969 CENTRE POINTE DRIVE, SUITE 200  
NORTH CHARLESTON, SC 29417  
TEL 843.740.7700

CLIENT: GEORGETOWN COUNTY  
108 SCREVEN STREET  
GEORGETOWN, SC 29442  
TRACY JONES | 843-545-3258

GARDEN CITY  
DRAINAGE IMPROVEMENTS -  
PHASE 2  
SITES 2 - 7  
GEORGETOWN COUNTY,  
SOUTH CAROLINA



SEE SHEET INDEX ON NEXT SHEET



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PROJECT NUMBER: 178420927

PROJECT CONTACTS			
SERVICE	MUNICIPALITY/UTILITY PROVIDER	CONTACT	PHONE
PLANNING & ZONING	GEORGETOWN COUNTY DEPARTMENT OF PLANNING	BOYD JOHNSON	(843) - 545-3158
STORMWATER	GEORGETOWN COUNTY STORMWATER DIVISION	TRACY JONES	(843) - 545-3524
WATER AND SEWER	GEORGETOWN COUNTY WATER AND SEWER DISTRICT	ERNIE FUNDERBURK	(843) - 907-1535
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IRRIGATION	WACCAMAW MANAGEMENT	MIKE JACOBS	(843)-241-6234
ROAD	SCDOT	BENJI SMITH	(843)-661-4710 Ext. 201

Revision \_\_\_\_\_ By \_\_\_\_\_ Appd \_\_\_\_\_ YYYY.MM.DD

FOR PERMIT REVIEW \_\_\_\_\_ TN \_\_\_\_\_ BK \_\_\_\_\_ 2020.06.01  
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File Name: C0\_927\_COVER \_\_\_\_\_ SGC \_\_\_\_\_ SGC \_\_\_\_\_ BK \_\_\_\_\_  
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Permit/Seal \_\_\_\_\_





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**GENERAL NOTES:**

- OWNER: GEORGETOWN COUNTY  
TRACY JONES  
108 SCREVEN STREET  
GEORGETOWN, SC 29442  
(843) 545-3256
- ENGINEER: STANTEC CONSULTING SERVICES, INC  
BRYAN KIZER, P.E.  
4989 CENTRE POINTE DR, SUITE 200  
NORTH CHARLESTON, SC 29418  
TEL: (843) 740-7700
- BOUNDARY, TOPOGRAPHIC & EXISTING CONDITIONS INFORMATION TAKEN FROM "TOPOGRAPHIC SURVEY OF A PORTION OF GULF STREAM ESTATES GARDEN CITY BEACH SITE 8, PREPARED FOR GEORGETOWN COUNTY," BY COX SURVEYING, DATED NOVEMBER, 2018. VERTICAL DATUM USED WAS NAVD 88.
- CRITICAL LINE FLAGGED BY CYGNUS ENVIRONMENTAL.
- WETLANDS, CRITICAL AREAS, OTHER INDICATED ENVIRONMENTALLY SENSITIVE AREAS AND UNDISTURBED BUFFERS SHALL NOT BE DISTURBED EXCEPT WHERE SPECIFICALLY INDICATED WITHIN THESE CONSTRUCTION DOCUMENTS AND/OR AS AUTHORIZED BY THE USACE AND SCDCHE-OCRM.
- GEORGETOWN COUNTY WILL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY EASEMENTS.
- ALL DRAINAGE EASEMENTS TO BE DEDICATED TO GEORGETOWN COUNTY.
- CONTRACTOR IS TO VERIFY ALL INFORMATION CONTAINED HEREIN PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OR OWNER OF ANY DISCREPANCY PRIOR TO CONSTRUCTION.
- ALL CONSTRUCTION, METHODS, MATERIALS, AND WORKMANSHIP, NOT OTHERWISE INDICATED IN THESE PLANS, SHALL CONFORM TO GEORGETOWN COUNTY SPECIFICATIONS, LATEST EDITION. WHERE CONFLICT OCCURS BETWEEN CONSTRUCTION PLANS, SPECIFICATIONS, AND/OR FIELD CONDITIONS, CONTRACTOR IS TO CONTACT ENGINEER OR OWNER FOR CLARIFICATION PRIOR TO CONSTRUCTION.
- CONTRACTOR TO COORDINATE WITH OWNER AND ENSURE ALL APPLICABLE CONSTRUCTION AND LAND DISTURBANCE PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING ANY WORK.
- CONTRACTOR TO NOTIFY GEORGETOWN COUNTY WATER & SEWER A MINIMUM OF 48 HOURS BEFORE ANY WATER OR SEWER WORK IS TO BEGIN.

**TRAFFIC NOTES:**

- LANE CLOSURES ARE REQUIRED FOR ALL WORK WITHIN ONE FOOT OF THE TRAVEL WAY. SHOULDER CLOSURES ARE REQUIRED FOR ALL WORK FROM ONE FOOT TO FIFTEEN FEET FROM THE TRAVEL WAY.

**SAFETY NOTES:**

- DURING THE CONSTRUCTION AND MAINTENANCE OF THE THIS PROJECT, ALL SAFETY REGULATIONS SHALL BE ENFORCED. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS PERSONNEL.
- THE CONTRACTOR'S MAINTENANCE OF TRAFFIC PLAN MUST BE SUBMITTED AND APPROVED BY THE SCDOT AND APPLICABLE LOCAL AGENCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OSHA IN THE FEDERAL REGISTER OF THE DEPARTMENT OF TRANSPORTATION.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN HIS OWN SAFETY EQUIPMENT IN ACCORDANCE WITH HIS HEALTH AND SAFETY PROGRAM AND ALL OTHER APPLICABLE LEGAL AND HEALTH AND SAFETY REQUIREMENTS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROVIDING ITS EMPLOYEES AND SUB CONTRACTORS WITH ADEQUATE INFORMATION AND TRAINING TO ENSURE THAT ALL EMPLOYEES AND SUB CONTRACTORS' EMPLOYEES COMPLY WITH ALL APPLICABLE REQUIREMENTS. CONTRACTOR SHALL REMAIN IN COMPLIANCE WITH ALL OCCUPATION SAFETY AND HEALTH REGULATIONS AS WELL AS THE ENVIRONMENTAL PROTECTION LAWS. THE FOLLOWING IS NOT TO BE PERCEIVED AS THE ENTIRE SAFETY PROGRAM BUT JUST BASIC REQUIREMENTS.
- ALL EXCAVATIONS BY THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF THE DEPARTMENT OF LABOR'S OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION RULES AN REGULATIONS. PARTICULAR ATTENTION MUST BE PAID TO THE CONSTRUCTION STANDARDS FOR EXCAVATIONS, 29 CFR PART 1926, SUBPART P.
- THE MINIMUM STANDARDS AS SET FORTH IN THE CURRENT EDITION OF "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) BE FOLLOWED IN THE DESIGN APPLICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND WORKMEN FROM HAZARDS WITHIN THE PROJECT LIMITS.
- ALL TRAFFIC CONTROL MARKINGS AND DEVICES SHALL CONFORM TO THE PROVISIONS SET FORTH IN THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES PREPARED BY THE US DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION, ALL SOUTH CAROLINA AMENDMENTS SHALL APPLY.
- IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY AND ENFORCE ALL APPLICABLE SAFETY REGULATION. THE ABOVE INFORMATION IS THE CONTRACTOR'S INFORMATION ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL INSPECT AND/OR ENFORCE SAFETY REGULATION.
- THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITIES AND SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE UTILITY COMPANIES PRIOR TO CONSTRUCTION TO OBTAIN FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR CALLED FOR IN THIS CONTRACT.

**CLEARING AND DEMOLITION:**

- THE CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION. DISTURBED AREAS WILL BE SEEDED, MULCHED, SODDED OR PLANTED WITH OTHER APPROVED LANDSCAPE MATERIAL IMMEDIATELY FOLLOWING CONSTRUCTION.
- THE TOP 6" OF GROUND REMOVED DURING CLEARING AND GRUBBING SHALL BE STOCKPILED AT A SITE DESIGNATED BY THE OWNER OR THE OWNER'S ENGINEER, UNLESS OTHERWISE DIRECTED BY THE OWNER OR THE OWNER'S ENGINEER. THE REMAINING EARTHWORK THAT RESULTS FROM CLEARING AND GRUBBING OR SITE EXCAVATION IS TO BE UTILIZED ON-SITE IF REQUIRED, PROVIDED THAT THE MATERIAL IS DEEMED SUITABLE FOR CONSTRUCTION BY THE OWNER'S SOILS TESTING COMPANY. EXCESS MATERIAL IS TO BE EITHER STOCKPILED ON THE SITE AS DIRECTED BY THE OWNER, OR REMOVED FROM THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING EXCESS EARTHWORK FROM THE SITE.
- ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIALS SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS OR AS DIRECTED BY THE OWNER.

**SHOP DRAWING SUBMITTAL:**

- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE OWNER'S ENGINEER; 2 SETS OF HARD COPIES AND 1 ELECTRONIC FOR REVIEW.
  - THE CONTRACTOR, OR THE CONTRACTORS SUPPLIER, MUST INCLUDE WITH THE SHOP DRAWING SUBMITTAL A REFERENCE TO THE GOVERNING MUNICIPALITIES STANDARDS SHOWING COMPLIANCE WITH SAID MUNICIPALITIES REQUIREMENTS.
    - ie. SHOP DRAWING SUBMITTAL FOR A FIRE HYDRANT SHALL INCLUDE A REFERENCE TO "CHARLESTON WATER SYSTEM - MINIMUM STANDARDS FOR THE DESIGN AND CONSTRUCTION OF WATER AND SANITARY SEWER SYSTEM - SECTION 10.B.1.c." OR MORE SIMPLY "CWS - 10.B.1.c."
    - THIS SHALL BE COMPLETED FOR EVERY SUBMITTAL TO ASSURE AN EXPEDITED REVIEW OF SHOP DRAWINGS.
- SHOP DRAWINGS WILL BE REVIEWED AND RETURNED TO THE CONTRACTOR WITHIN 15 BUSINESS DAYS FROM CONFIRMED RECEIPT BY THE OWNER OR THE OWNERS ENGINEER.
- SHOP DRAWINGS NOT RECEIVED IN THE PROPER FORMAT WILL BE RETURNED TO THE CONTRACTOR FOR REVISIONS PRIOR TO REVIEW.

**PAVING AND GRADING**

- ALL DELETERIOUS SUBSURFACE MATERIAL (I.E. MUCK, PEAR, BURIED DEBRIS) IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS OR AS DIRECTED BY THE OWNER, THE OWNER'S ENGINEER, OR OWNER'S SOIL TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED OR REMOVED FROM THE SITE AS DIRECTED BY THE OWNER OR THE OWNER'S ENGINEER. EXCAVATED AREAS TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING DELETERIOUS MATERIAL FROM THE SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING SHEETING OR SHORING AS NECESSARY. DEWATERING METHODS SHALL BE USED AS REQUIRED TO KEEP TRENCHES DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED.
- ALL NECESSARY FILL AND EMBANKMENT THAT IS PLACED DURING CONSTRUCTION SHALL CONSIST OF MATERIAL SPECIFIED BY THE OWNER'S SOIL TESTING COMPANY OR ENGINEER AND BE PLACED AND COMPACTED ACCORDING TO THESE PLANS OR THE REFERENCED SOILS REPORT.
- PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.
- UNLESS OTHERWISE NOTED, ALL GRADING, ROCKING AND PAVING TO CONFORM TO SCDOT STANDARD SPECIFICATIONS, LATEST EDITION.
- CLEAR AND GRUB WITHIN WORK LIMITS ALL SURFACE VEGETATION, TREES, STUMPS, BRUSH, ROOTS, ETC. DO NOT DAMAGE OR REMOVE TREES EXCEPT AS APPROVED BY THE APPROPRIATE MUNICIPAL AUTHORITY OR AS SHOWN ON THE DRAWINGS. PROTECT ALL ROOTS.
- STRIP WORK LIMITS. REMOVING ALL ORGANIC MATERIAL WHICH CANNOT BE COMPACTED INTO A STABLE MASS. ALL TREES, BRUSH AND DEBRIS ASSOCIATED WITH CLEARING, STRIPPING OR GRADING SHALL BE REMOVED AND DISPOSED OF OFF-SITE BY THE CONTRACTOR.
- IMMEDIATELY FOLLOWING FINE GRADING OPERATIONS, COMPACT SUBGRADE TO 95% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180.
- ALL FILLS WITHIN PUBLIC RIGHT-OF-WAYS AND EASEMENTS SHALL BE ENGINEERED. ADDITIONALLY, ANY FILLS OUTSIDE OF PUBLIC RIGHT-OF-WAYS WHICH ARE OVER 2 FEET IN DEPTH SHALL BE ENGINEERED. ENGINEERED FILLS SHALL BE CONSTRUCTED IN 4" LIFTS. EACH LIFT SHALL BE COMPACTED TO 95 % OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR).
- UNLESS OTHERWISE SHOWN ON THE DRAWINGS, STRAIGHT GRADES SHALL BE RUN BETWEEN ALL FINISH GRADE ELEVATIONS AND/OR FINISH CONTOUR LINES SHOWN. FINISH PAVEMENT GRADES AT TRANSITION TO EXISTING PAVEMENT SHALL MATCH EXISTING PAVEMENT GRADES OR BE FEATHERED PAST JOINTS WITH EXISTING PAVEMENT AS REQUIRED TO PROVIDE A SMOOTH, FREE DRAINING SURFACE.
- CRUSHED ROCK SHALL CONFORM TO THE REQUIREMENTS OF SECTION 02030 (BASE AGGREGATE) SCDOT STANDARD SPECIFICATIONS. COMPACT TO 95% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR). A.C. PAVEMENT SHALL CONFORM TO SECTION 07045 (ASPHALT CONCRETE PAVEMENT) SCDOT STANDARD SPECIFICATIONS FOR STANDARD DUTY MIX. A.C. PAVEMENT SHALL BE COMPACTED TO A MINIMUM OF 91% OF MAXIMUM DENSITY AS DETERMINED BY THE RIGID STANDARD METHOD.
- ALL EXISTING OR CONSTRUCTED MANHOLES, CLEANOUTS, MONUMENTS, GAS VALVES, WATER VALVES AND SIMILAR STRUCTURES SHALL BE ADJUSTED TO MATCH FINISH GRADE OF THE PAVEMENT, SIDEWALK, LANDSCAPED AREA WHEREIN THEY LIE.
- IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, IRRIGATION OR OTHER ACCEPTABLE METHODS.
- ENGINEERED FILL MATERIAL SHALL NOT CONTAIN ROCKS OR HARD LUMPS GREATER THAN 3 INCHES IN MAXIMUM DIMENSIONS AND SHALL BE FREE OF VEGETATION, ORGANIC MATERIAL, DEBRIS, RUBBLE AND OTHER UNSUITABLE MATERIALS AND SHALL BE APPROVED BY GEOTECHNICAL ENGINEER.
- IMPORTED SOILS FOR USE AS ENGINEERED FILL SHALL BE NON-EXCLUSIVE MATERIALS AND SHALL NOT CONTAIN ROCKS OR HARD LUMPS GREATER THAN 3 INCHES IN MAXIMUM DIMENSIONS AND SHALL BE FREE OF VEGETATION, ORGANIC MATTER, DEBRIS, RUBBLE, AND OTHER UNSUITABLE MATERIALS.
- AGGREGATE BASE MATERIAL SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

SIEVE SIZE (PER ASTM D422)	PERCENT PASSING BY WEIGHT
1 INCH	100
3/4	90-100
No. 8	35-55
No. 200	0-8

- ALL AREAS TO RECEIVE FILL, AND AREAS OF STRUCTURES AND PAVEMENTS, SHALL BE STRIPPED OF VEGETATION, ORGANIC MATERIAL, DEBRIS, RUBBLE, AND OTHER UNSUITABLE MATERIALS. STRIPPED SOILS SHALL NOT BE USED IN ENGINEERED FILL, BUT MAY BE USED IN LANDSCAPE AREAS.
    - ENGINEERED FILL MATERIAL SHALL BE COMPACTED TO AT LEAST THE FOLLOWING PERCENTAGES OF MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT, PER ASTM D998 (STANDARD PROCTOR)
  - AGGREGATE BASE COURSE SHALL BE COMPACTED TO AT LEAST THE FOLLOWING PERCENTAGES OF MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT, PER AASHTO T180 (MODIFIED PROCTOR)
- | ENGINEERED FILL MATERIAL                                    | MINIMUM PERCENT COMPACTION | MOISTURE CONTENT (RANGE)   |
|---|----------------------------|----------------------------|
| NATIVE SOIL   | 90%                        | OPTIMUM TO OPTIMUM PLUS 3% |
| ENGINEERED FILL UNDER STRUCTURES AND BEHIND RETAINING WALLS | 95%                        | OPTIMUM TO OPTIMUM PLUS 3% |
| ENGINEERED FILL UNDER PAVEMENTS                             | 95%                        | OPTIMUM TO OPTIMUM PLUS 2% |
| FILL IN LANDSCAPE AREAS                                     | 95%                        | 2 TO 5% ABOVE OPTIMUM      |
- NOTE: MOISTURE CONTENT OF ENGINEERED FILL MATERIAL MAY REQUIRE ADJUSTMENT DURING CONSTRUCTION TO PREVENT SOIL PUMPING.

- ENGINEERED FILL SHALL BE PLACED IN LIFTS NO GREATER THAN 6 INCHES THICK (LOOSE).
- THE TOP 6 INCHES OF SOIL EXPOSED AT THE BOTTOM OF THE EXCAVATIONS SHALL BE COMPACTED, SCARIFIED AND COMPACTED AS ENGINEERED FILL PRIOR TO PLACEMENT OF ADDITIONAL FILL.
- IF SOFT OR LOOSE SOIL IS PRESENT AT THE BASE OF EXCAVATIONS, IT SHALL BE EXCAVATED AND/OR COMPACTED AS ENGINEERED FILL OR AS RECOMMENDED BY THE GEOTECHNICAL FIELD REPRESENTATIVE.
- IF SUBGRADE SOILS EXHIBIT PUMPING DURING COMPACTION, THE AREA SHALL BE ALLOWED TO DRY UNTIL THE SOLIDS BECOME WORKABLE WITHOUT PUMPING. THE MOISTURE CONTENT OF THE SOILS SHALL BE ADJUSTED TO PREVENT PUMPING.
- EXPOSURE TO THE ENVIRONMENT MAY REDUCE THE STRENGTH OF SOILS IN PAVED AREAS. IF THIS OCCURS, THE SOFTENED SOILS SHALL BE REMOVED AND REWORKED IMMEDIATELY PRIOR TO CONCRETE PLACEMENT. IF RAINFALL IS EXPECTED AT A TIME WHEN BEARING SOILS IN FOOTING AREAS ARE EXPOSED, A 2 TO 4 INCH THICK LAYER OF LEAN CONCRETE MAY BE PLACED IN SUCH AREA.
- THE SITE SHALL BE GRADED TO TRANSPORT SURFACE RUNOFF AWAY FROM THE PAVED AREAS. WATER SHALL NOT BE ALLOWED TO ACCUMULATE (POND) ON PAVED AREAS.
- BACKFILL AND FILL SHALL CONFORM TO THE GENERAL REQUIREMENTS FOR SOIL MATERIALS ABOVE AND SHALL BE CLASSIFIED AS GW, GP, GM, GC, SW, SP, SM, SC, ML, CL BY ASTM D2487 AND SHALL CONFORM TO THE FOLLOWING:
  - SHALL BE CAPABLE OF BEING COMPACTED TO THE SPECIFIED DEGREE OF COMPACTION WHEN THE MOISTURE CONTENT IS WITHIN 3 PERCENTAGE POINTS OF THE OPTIMUM PERCENT MOISTURE.
  - LIQUID LIMIT SHOULD NOT EXCEED 40 PERCENT WHEN TESTED IN ACCORDANCE WITH ASTM D4318.
  - PLASTICITY INDEX SHOULD NOT BE GREATER THAN 30 PERCENT WHEN TESTED IN ACCORDANCE WITH ASTM D4318.
  - NO MORE THAN 75 PERCENT BY WEIGHT SHALL BE FINER THAN NO. 200 SIEVE WHEN TESTED IN ACCORDANCE WITH ASTM D140.
- UNSATURABLE SOIL SHALL BE ANY SOIL MATERIALS DETERMINED BY THE INDEPENDENT GEOTECHNICAL LABORATORY AS NOT CONFORMING TO THE REQUIREMENTS DESCRIBED ABOVE FOR BACKFILL AND FILL. A MOISTURE CONTENT WHICH IS MORE THAN 3 PERCENTAGE POINTS FROM OPTIMUM SHALL NOT BE CONSIDERED UNSUITABLE IF SUCH MATERIALS WOULD OTHERWISE BE SUITABLE IF THE MOISTURE CONTENT WERE ADJUSTED. ADJUSTMENTS TO THE SOIL MOISTURE CONTENT BY DRYING, MIXING, ADDING WATER, OR OTHER MEANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- MEASUREMENT OF UNSUITABLE MATERIAL: THE VOLUME OF UNSUITABLE MATERIAL EXCAVATION SHALL BE DETERMINED BY A LICENSED SURVEYOR BY THE AVERAGE END AREA METHOD. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A SCALED PLAN WITH SUFFICIENT ELEVATION POINTS TO ACCURATELY DEFINE THE VOLUME OF UNSUITABLE MATERIAL EXCAVATED. THE EXTENT OF UNSUITABLE MATERIAL EXCAVATION SHALL BE DETERMINED BY THE INDEPENDENT GEOTECHNICAL LABORATORY.

**NO GEOTECHNICAL REPORT:**

- ASPHALT/PAVEMENT SECTIONS SHOWN ON PLANS AND DETAILS ARE ASSUMED AND SHALL BE VERIFIED WITH GEOTECHNICAL ANALYSIS BY THE CONTRACTOR PRIOR TO INSTALLATION.
- CONTRACTOR TO ASSUME 12 INCHES OF UNDERCUT AND BACKFILL TO BRING TO GRADE.

**AS-BUILT NOTE:**

THE CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY OF THE SITE (TIED TO THE STATE PLANE COORDINATE SYSTEM), TO INCLUDE ALL STORM DRAINAGE LINES, BOTH EXISTING AND NEWLY INSTALLED. SURVEY SHALL ALSO INCLUDE THE PIPE SIZE, MATERIAL, AND INVERT ELEVATIONS, IN COMPLIANCE WITH THE GEORGETOWN COUNTY REQUIREMENTS AND NPDES PERMIT.

**SCDOT WARRANTY NOTE:**

ALL WORK DONE WITHIN THE SCDOT RIGHT OF WAY WILL BE PLACED UNDER A THREE YEAR WARRANTY PER SCDOT REQUIREMENT.

**DRAINAGE NOTES:**

- ALL NEW STORM PIPES, BEDDING, TRENCHING, STORM BOXES, ETC. IN THE RIGHTS-OF-WAY AND/OR CITY OWNED AND MAINTAINED DRAINAGE EASEMENTS SHALL BE INSTALLED PER CURRENT SCDOT SPECIFICATIONS, LOCATED ON THE INTERNET AT [http://www.scdot.org/drainageconstruction\\_shdnardpage.aspx](http://www.scdot.org/drainageconstruction_shdnardpage.aspx). STANDARD SCDOT DETAIL DRAWINGS CAN BE LOCATED AT THE FOLLOWING WEBSITE, [http://www.scdot.org/drainage\\_book.aspx](http://www.scdot.org/drainage_book.aspx).
- ALL REINFORCED CONCRETE PIPE SHALL, AT A MINIMUM, BE ASTM C78, CLASS III.
- REINFORCED CONCRETE PIPE INSTALLED UNDER PAVEMENT AND/OR PARALLEL TO THE EDGE OF PAVEMENT IN PUBLIC RIGHTS-OF-WAY SHALL HAVE O-RING JOINTS IN ACCORDANCE WITH ASTM C443 AND/OR AASHTO M315. THE JOINTS SHALL BE SECURELY WRAPPED WITH FILTER FABRIC 18" IN WIDTH.
- SUBMERGED DRAINAGE SYSTEMS SHALL HAVE O-RING JOINTS IN ACCORDANCE WITH ASTM C C443 AND/OR AASHTO M315. THE JOINTS SHALL BE SECURELY WRAPPED WITH FILTER FABRIC 18" IN WIDTH.
- WHERE TONGUE AND GROOVE STORM PIPE IS ALLOWED, REINFORCED CONCRETE PIPE SHALL, BE PER ASTM C 78, CLASS III. JOINTS SHALL BE SEALED WITH RAMMECK OR EQUIVALENT PER AASHTO M198. THE JOINTS SHALL BE SECURELY WRAPPED WITH FILTER FABRIC 18" IN WIDTH.
- ALL NEW STORM DRAINAGE LINES SHALL BE LAID UPGRADE AFTER CONFIRMATION OF EXISTING INVERT ELEVATION.
- GEORGETOWN COUNTY MAINTAINS THE RIGHT TO ALLOW ALTERNATE PIPE INSTALLATIONS OR TYPE OF PIPE FOR ALL PROJECTS ON A CASE-BY-CASE BASIS FOR ANY PIPES TO BE INSTALLED IN AN EXISTING OR PROPOSED CITY ROAD RIGHT-OF-WAY AND/OR DRAINAGE EASEMENT.
- PIPE LENGTHS SHOWN ARE APPROXIMATE AND CENTER TO CENTER ON DRAINAGE STRUCTURES OR TO END OF PIPE. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO SUBMITTAL OF BID.
- ALL STORM DRAIN PIPING SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNERS ENGINEER PRIOR TO THE PLACEMENT OF BACKFILL. CONTRACTOR TO NOTIFY THE ENGINEER 48 HOURS IN ADVANCE TO SCHEDULE INSPECTIONS.
- THE CONTRACTOR SHALL MAINTAIN AND PROTECT FROM MUD, DIRT, DEBRIS, ETC. THE STORM DRAINAGE SYSTEM UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR MAY BE REQUIRED TO RE-OPEN PIPES AND INLETS FOR THESE PURPOSES.
- FOR CONSTRUCTION OF THE DROP INLET WALLS EITHER BRICK MASONRY OR CLASS 3000 CONCRETE MAY BE USED. FOR CONCRETE THE WALLS ARE TO BE 6" THICK WITH A REINFORCING STEEL AREA OF 1.20 SQ. INCH PER FT. FOR BRICK THE WALLS ARE TO BE 8" THICK.
- THE BOTTOM SLAB OF THE BOX SHALL BE A MINIMUM OF 6 IN. THICK CLASS 3000 CONCRETE WITH A REINFORCING STEEL AREA OF 0.20 SQ. INCH PER FT. WIRE MESH MAY BE USED IN LIEU OF STEEL BARS PROVIDED A MINIMUM OF 0.20 SQ. IN. PER FT. IS MET.
- MORTAR SHALL BE TYPE S OR M.
- IF DESIRED THESE ITEMS MAY BE PRECAST PRIOR TO INSTALLATION IN LIEU OF BEING CAST IN PLACE. THE USE OF PRECAST UNITS WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF OBTAINING SATISFACTORY INSTALLATIONS. SEE SCDOT STANDARD DRAWINGS FOR PRECAST CONCRETE DRAINAGE BOX FOR ADDITIONAL DETAILS AND SPECIFICATIONS.
- REINFORCING STEEL SHALL BE DEFORMED AND SHALL CONFORM TO AASHTO M 31, GRADE 60. WIRE MESH SHALL CONFORM TO AASHTO M 55 AND M 221.
- IF STRUCTURE DEPTH EXCEEDS 4'-6", METAL STEPS ARE TO BE PLACED ON WALL. SEE STEP STANDARD DRAWING 719-16.
- CASTING SHALL CONFORM TO AASHTO M 105, CLASS 35B AND THE ALTERNATE LOAD TEST OF AASHTO M 306. CASTINGS SHALL ALSO MEET THE LOADING REQUIREMENTS OF FEDERAL SPECIFICATION RR-F-621 (LATEST EDITION).
- STEEL GRATES AND FRAME MAY BE USED IN LIEU OF CAST IRON AS LONG AS THE LOADING AND HYDRAULIC REQUIREMENTS ARE MET, AND ARE ON SCDOT LIST OF APPROVED SUPPLIERS.
- STEEL GRATES SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH AASHTO M 111.
- STEEL GRATES AND FRAMES SHALL BE DIMENSIONED TO BE INTERCHANGEABLE WITH EACH PIECE OF THE CAST IRON GRATE AND FRAME SHOWN, MUST HAVE A POSITIVE MEANS TO RETAIN THE GRATE IN THE FRAME.
- STRENGTH REQUIREMENTS OF STEEL GRATES AND FRAMES MUST MEET FEDERAL SPECIFICATION RR-F-621 (LATEST EDITION).
- THE LONGEST DIMENSIONS OF THE OPENING IN THE IRON GRATE SHOULD BE ORIENTED IN THE DIRECTION OF FLOW IF PRACTICAL.
- AS SHOWN BY THIS DRAWING THE FRAME IS SET LEVEL, BUT THE ENGINEER MAY SET SAME ON SLOPE AS REQUIRED BY LOCAL DRAINAGE CONDITIONS.
- AFTER THE FRAME IS SET IN ITS FINAL POSITION, IT IS TO BE ENCASED WITH CONCRETE AS SHOWN BY DRAWING.
- THE INSIDE OF THE OUTLET PIPE SHALL BE FLUSH WITH FLOOR OF BASIN, UNLESS OTHERWISE SHOWN ON PLANS (SUMP).
- THE SOFFIT (INSIDE TOP OF PIPE) OF THE OUTLET PIPE SHOULD BE NO HIGHER THAN THE SOFFIT OF THE INLET PIPE, UNLESS OTHERWISE SHOWN ON PLANS.
- SHOULD THE CONTRACTOR ENCOUNTER UNSUITABLE MATERIAL, THEN THE CONTRACTOR WILL ENGAGE AN INDEPENDENT GEOTECHNICAL ENGINEER TO VERIFY UNSUITABLE MATERIAL AND MAKE RECOMMENDATIONS ON THE REMOVAL AND THE PLACEMENT AND TYPE OF NEW BEDDING AND BACKFILL MATERIAL. THE RECOMMENDATIONS BY THE INDEPENDENT GEOTECHNICAL ENGINEER SHALL BE SUBMITTED TO THE OWNER AND CIVIL ENGINEER FOR CONCURRENCE PRIOR TO PROCEEDING WITH WORK.

**EROSION CONTROL NOTES:**

- IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING, IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
  - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURE MUST BE INITIATED AS SOON AS PRACTICABLE.
  - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED 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.
- 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 CANT. BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING. WHEEL WASH WATER, AND OTHER WASH WATERS, WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASIN, FILTER BAG, ETC.).
- THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
  - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL.
  - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS
  - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE;
  - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- IF EXISTING BMP'S NEED TO BE MODIFIED OR IF ADDITIONAL BMP'S ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SCS WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMP'S MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.



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**Consultant**

**Legend**

**Revision**

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**FOR PERMIT REVIEW**

	TN	BK	2020.06.01
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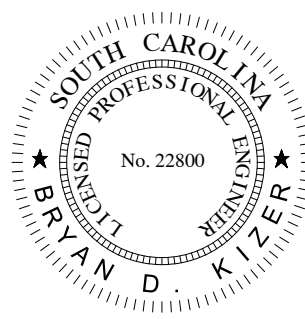
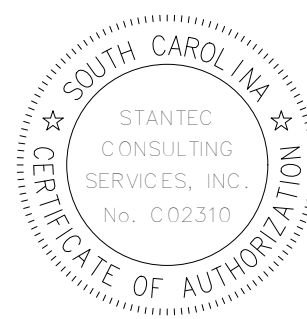
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**File Name: C0\_037\_COVER**

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**Permit/Seal**



1.22.2018

**Client/Project Logo**

**Client/Project**

GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

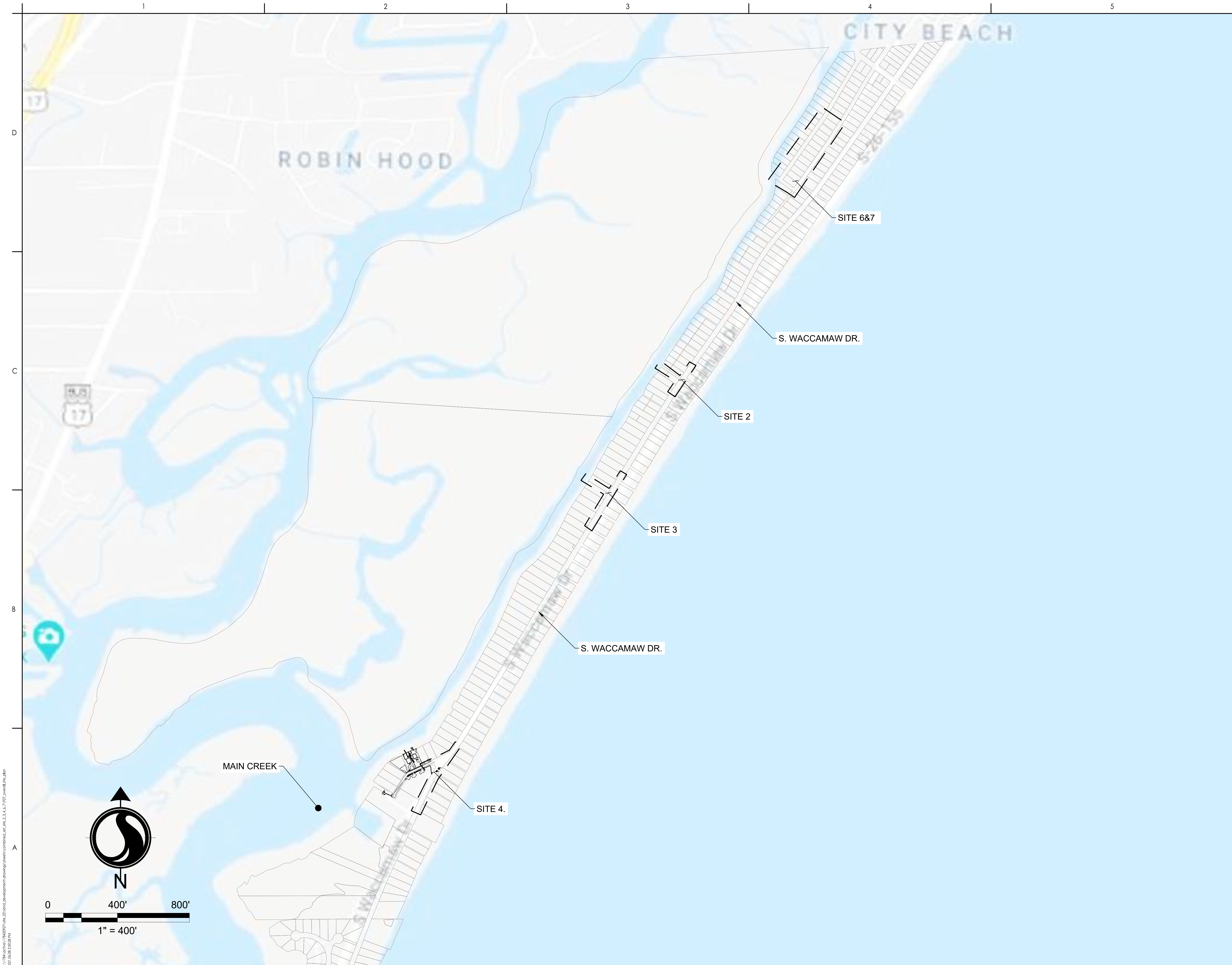
**MURRELLS INLET, SOUTH CAROLINA**

**Title**

**GENERAL NOTES**

Project No.	Scale
178420927	
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	2 of 62





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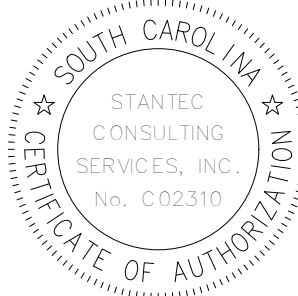
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File Name: 927_OVERALL_SITE_PLAN	SGC	SGC	BK
	Dwn.	Dsgn.	Chkd.

Permit/Seal



1.22.2018

Client/Project Logo

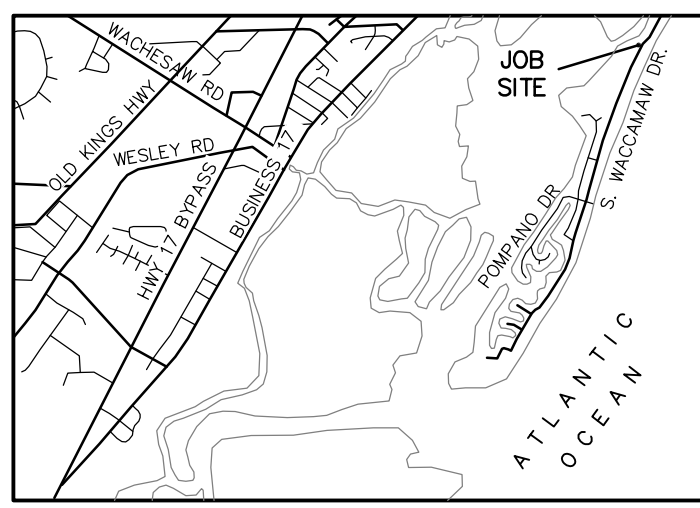
Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

OVERALL SITE PLAN

Project No. 178420927	Scale
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Drawing No. C0.3	





VICINITY MAP  
(NOT TO SCALE)

- LEGEND**
- IRON PIPE FOUND
  - IRON REBAR FOUND
  - BOUNDARY POINT
  - △ CONTROL POINT
  - X 4.57 EXISTING ELEVATION
  - D.B. DEED BOOK
  - P.B. PLAT BOOK
  - P.S. PLAT SLIDE
  - P.G. PAGE
  - ELECTRIC BOX
  - AIR CONDITIONER
  - TELEPHONE PEDESTAL
  - WATER VALVE
  - IRRIGATION CONTROL VALVE
  - △ VALVE MARKER
  - WATER METER
  - FIRE HYDRANT
  - UTL- UNDERGROUND UTILITY LINE (APPROX.)
  - UGP- UNDERGROUND POWER (APPROX.)
  - W- WATER LINE (APPROX.)
  - X- FENCE
  - ..... FLOOD ZONE LINE
  - P PALM TREE

TIDAL INFORMATION  
"866 1852 G TIDAL"  
ELEV.: 6.49' (NAVD 88)

	MLLW	NAVD 88
MHHW	4.77	2.08
MHW	4.38	1.69
MLW	0.16	-2.53
MLLW	0.00	-2.69

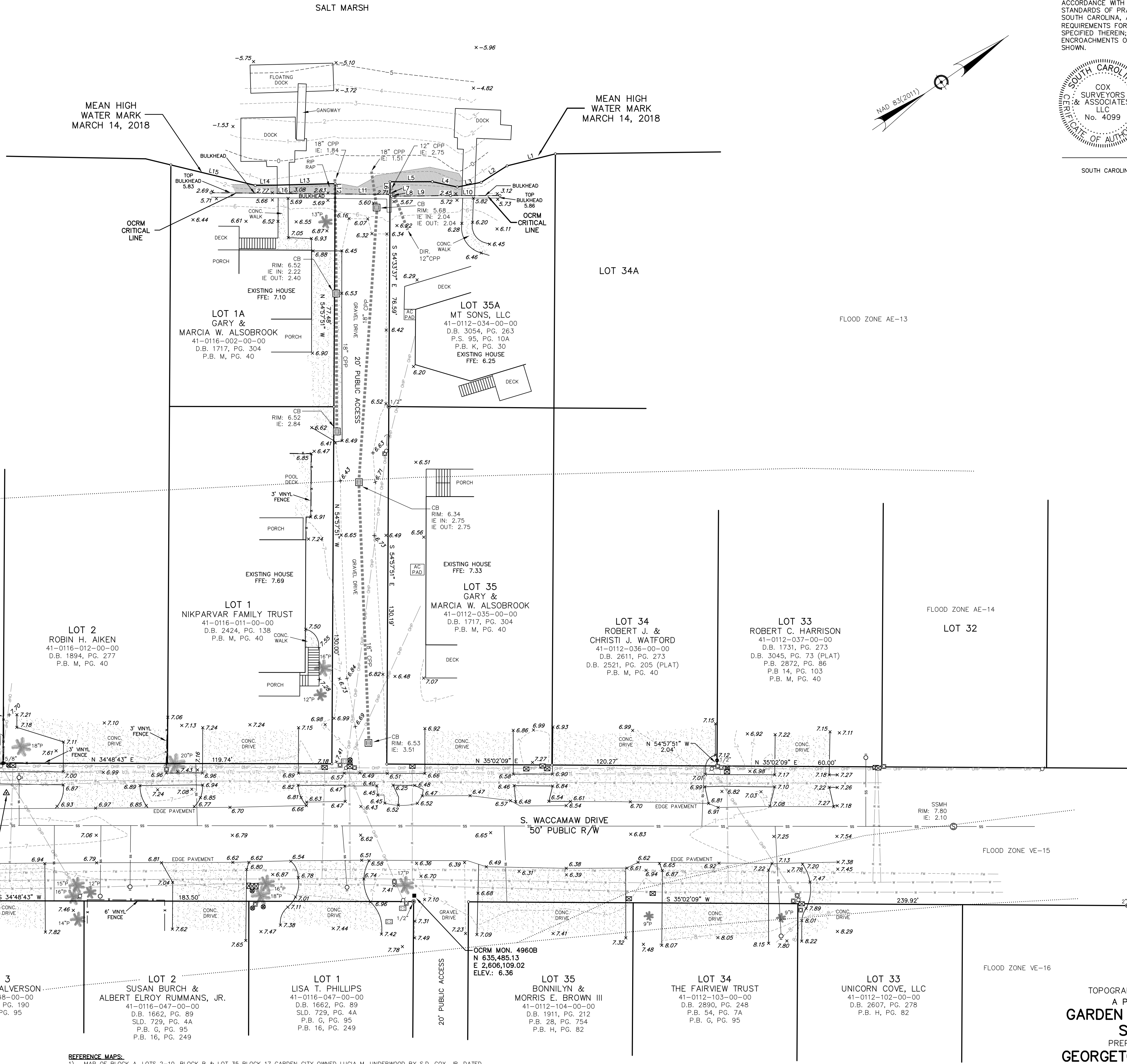
LINE	BEARING	LENGTH
L1	S 20°44'43" W	18.12'
L2	S 02°14'00" W	11.18'
L3	S 23°49'24" W	8.90'
L4	S 46°41'11" W	9.26'
L5	S 34°59'12" W	15.38'
L6	S 54°57'51" E	4.63'
L7	N 35°15'45" E	0.54'
L8	S 55°09'16" E	0.63'
L9	N 34°08'22" E	21.52'
L10	N 34°42'05" E	17.98'
L11	S 35°15'45" W	20.00'
L12	N 54°57'51" W	3.75'
L13	S 33°17'41" W	21.97'
L14	S 34°09'33" W	7.15'
L15	S 48°18'53" W	31.61'
L16	S 35°15'45" W	45.19'

**NOTES:**

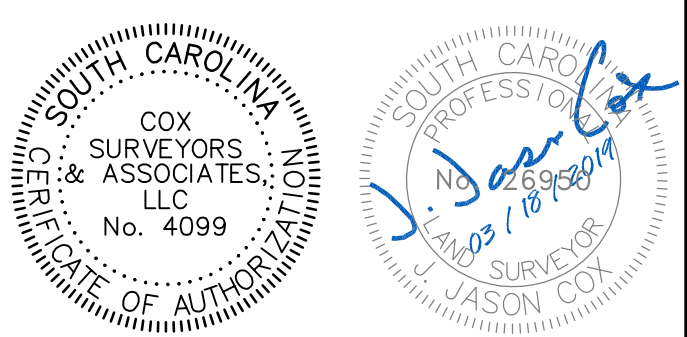
- TAX MAP NO.: AS SHOWN.
  - IT IS MY OPINION THAT THE PROPERTY SHOWN ON THIS PLAT IS LOCATED IN FLOOD ZONES AS SHOWN HEREON PER FLOOD INSURANCE RATE MAP 450085 0159 D DATED MARCH 16, 1995 & IS SUBJECT TO VERIFICATION BY THE COUNTY FLOODPLAIN MANAGER / FEMA OFFICER. FLOOD ZONE LINES SHOWN HEREON SCALED FROM FEMA FIRM MAPS. SAID LINES ARE APPROXIMATE.
  - ALL BEARINGS AND COORDINATES SHOWN ON THIS SURVEY ARE BASED ON SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM NAD83(2011). DISTANCES AND COORDINATES SHOWN ARE GROUND LEVEL DISTANCES. NOT GRID DISTANCES. TO CONVERT GROUND LEVEL DISTANCES TO GRID DISTANCES, MULTIPLY BY COMBINED SCALE FACTOR OF 0.9997958. STATE PLANE COORDINATES OBTAINED FROM OCRM MONUMENT "4930 1987".
  - A TITLE SEARCH WAS NOT PERFORMED BY THIS OFFICE ON THIS DATE. THE PROPERTY PLATED HEREIN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
  - REFERENCE: AS SHOWN.
  - SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AN ELEMENT OF THIS SURVEY. NO STATEMENT IS MADE REGARDING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTINGENCIES THAT MAY AFFECT THE USE OF THIS PARCEL.
  - UNDERGROUND UTILITIES SHOWN HEREON MARKED BY OTHERS & LOCATED BY THIS OFFICE. THIS OFFICE ASSUMES NO GUARANTY TO THE ACCURACY OF SAID LINES.
  - THIS SURVEY IS VALID ONLY IF THE PRINT OF SAME HAS THE ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE LAND SURVEYOR.
  - CURRENT OWNERS: AS SHOWN.
  - ALL ELEVATIONS BASED ON NAVD 88 DATUM PER OCRM MONUMENT "4960 B", ELEVATION: 6.36'.
- THIS INSTRUMENT AND REPRODUCIBLE COPIES OF THIS INSTRUMENT ARE OWNED BY COX SURVEYORS & ASSOCIATES, LLC. REPRODUCTIONS OF THIS INSTRUMENT ARE NOT PERMITTED WITHOUT WRITTEN CONSENT OF COX SURVEYORS & ASSOCIATES, LLC UNLESS OBTAINED THROUGH MATTERS OF PUBLIC RECORD.
- ALTERATIONS TO THIS DOCUMENT ARE NOT PERMITTED.

**REFERENCE MAPS:**

- MAP OF BLOCK A, LOTS 2-10, BLOCK B & LOT 35 BLOCK 17 GARDEN CITY OWNED LUCIA M. UNDERWOOD BY S.D. COX, JR. DATED JULY 6, 1990 AND RECORDED IN GEORGETOWN COUNTY R.O.D. IN P.B. G, PG. 95.
- "GARDEN CITY" BY SAMUEL M. HARPER, DATED MAY 30, 1955 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. K, PG. 30.
- "MAP OF LOTS #35 AND #35A BLOCK #18 OF GARDEN CITY BEING CONVEYED TO JUANITA AND S.J. GOODMAN" BY SAMUEL M. HARPER, DATED MARCH 21, 1958 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. M, PG. 35.
- "PLAT PREPARED FOR GRADY T. FAIRCLOTH" BY CULLER LAND SURVEYING, CO., INC., DATED MAY 4, 1990 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT SLD. 54, PG. 7A.
- "SURVEY PLAT OF LOT 35A, BLOCK 18 GARDEN CITY" BY ETS-ENGINEERING AND TECHNICAL SERVICES, INC., DATED MARCH 24, 1992 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT SLD. 95, PG. 10A.
- "PLAT SHOWING LOT 1, BLOCK A" BY CUNNINGHAM LAND SURVEYING, LLC DATED MARCH 15, 2011 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT SLD. 729, PG. 44.
- "PLAT FOR DANIEL W. HYLER & DEBORAH W. HYLER OF LOT 33/33A BLOCK 18 GARDEN CITY" BY BEASLEY LAND SURVEYING, INC. DATED AUGUST 5, 1993 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.G. 14, PG. 103.
- "PLAT FOR SAM L. SCAUSE OF LOT 1, BLOCK A GARDEN CITY" BY BEASLEY LAND SURVEYING, INC. DATED AUGUST 22, 1996 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. 16, PG. 249.
- "PLAT OF A RESURVEY OF LOT 35, BLOCK 17 GARDEN CITY" BY SAMUEL M. HARPER, R.L.S. DATED JUNE 3, 1999 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. 17, PG. 75A.
- "A BOUNDARY SURVEY OF TWS# 41-0112-036-00-00 & 41-0112-035-00-00 LOT 34 & 34A GARDEN CITY" BY JOHN BLACK & ASSOCIATES, LLC DATED OCTOBER 23, 2014 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN D.B. 2521, PG. 205.
- "AS-BUILT PLAT OF LOT 33, BLOCK 18 GARDEN CITY" BY CULLER LAND SURVEYING III, INC. DATED AUGUST 25, 2016 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN D.B. 3045, PG. 73.



I HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "B" SURVEY AS SPECIFIED THEREIN; ALSO THERE ARE NO VISIBLE ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN.



J. JASON COX  
SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR  
LICENSE NO. 26950

TOPOGRAPHIC SURVEY OF  
A PORTION OF  
**GARDEN CITY BEACH**  
**SITE 2**  
PREPARED FOR  
**GEORGETOWN COUNTY**  
GARDEN CITY BEACH  
GEORGETOWN COUNTY SOUTH CAROLINA  
20 0 10 20 40  
SCALE: 1 INCH = 20 FEET  
SURVEYED & MAPPED BY  
**COX SURVEYORS & ASSOCIATES**  
A LIMITED LIABILITY COMPANY  
4325 DICK POND ROAD, SUITE A  
MYRTLE BEACH, SC 29588 (843) 650-1500  
www.coxsurveyors.com

DRAWN BY VGB FIELD DATE 03/2019  
REVIEWED JJC PLAT DATE 03/18/2019  
CREW CHIEF CTB FIELD BOOK CS-1323



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Legend

- PS PERMANENT STABILIZATION (SEE LANDSCAPE PLANS)
- TS TEMPORARY SEEDING
- M MULCHING
- DC DUST CONTROL
- LD LIMITS OF DISTURBANCE
- SF LIMITS OF DISTURBANCE AND SILT FENCE
- DSF LIMITS OF DISTURBANCE
- TP TREE PROTECTION
- SF SILT FENCE
- ST SEDIMENT TUBE
- A TYPE A INLET PROTECTION
- F FILTER BAG
- CW CONCRETE WASHOUT

Revision By Appd YYYY.MM.DD

FOR PERMIT REVIEW TN BK 2020.06.01

Issued By Appd YYYY.MM.DD

File Name: 927\_ESC\_SITE\_02 SGC SGC BK  
Dwn. Dsgn. Chkd. YYYY.MM.DD

Permit/Seal



1.22.2018

Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

SITE 2 EROSION CONTROL AND DEMOLITION PLAN

Project No. Scale

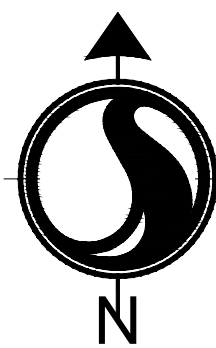
178420927

Revision Sheet Drawing No.

5 of 62 C1.20

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NOTICE - ALL EXISTING UTILITY POLES ARE TO REMAIN IN PLACE BUT MAY NEED TO BE TEMPORARILY RELOCATED, OR SHORED UP DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER.



0 20' 40'  
1" = 20'



Know what's below.  
Call before you dig.





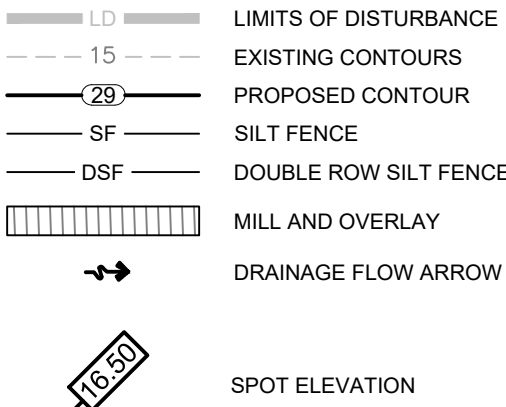
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#### Legend



FG - FINISHED GRADE ELEVATION  
CB - CATCH BASIN (SCDOT STANDARD DETAIL 719-110-01)  
JB - JUNCTION BOX (SCDOT STANDARD DETAIL 719-110-02)

Revision	By	Appd	YYYY.MM.DD
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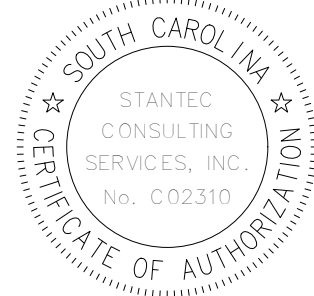
FOR PERMIT REVIEW	TN	BK	2020.06.01
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File Name: 927_GRADING_SITE_02	SGC	SGC	BK
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	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD
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#### Permit/Seal



1.22.2018

#### Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

#### SITE 2 GRADING AND DRAINAGE PLAN

Project No.	Scale
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178420927	
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Revision	Sheet	Drawing No.
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6 of 62  
C1.30

#### NOTES

- ONE OF TWO EX. WATER MAINS ON EAST SIDE OF ROAD IS A 2" GIP WATER LINE THAT HAS BEEN ABANDONED IN PLACE. CONTRACTOR TO VERIFY ON SITE.
- CONTRACTOR TO VERIFY SIZES AND MATERIALS OF ALL EX. UNDERGROUND UTILITIES.
- RECONNECTION OF SERVICE LINES DURING RELOCATION OF EX WATER LINE TO INSTALLED WITH TAP AND SLEEVE.
- PRIVATE WATER AND SEWER SERVICE LINES EXTEND FROM THE ROW OF SOUTH WACCAMAW DRIVE DOWN THROUGH EXISTING PUBLIC ACCESS. CONTRACTOR TO LOCATE RESIDENTS SERVICE LINES WITH IN PUBLIC ACCESS.

#### INLINE CHECKVALVE INSTALLATION NOTES:

- PRODUCT SHIPPING**  
VALVE SIZES 2" - 18" ARE FURNISHED WITH ONE CLAMP. VALVES 20" - 60" SHIP WITH TWO CLAMPS. 72" VALVES SHIP WITH THREE CLAMPS.  
NOTE: A CLAMP IS INSTALLED ON EACH END OF THE VALVE TO KEEP THE VALVES SHAPE DURING TRANSIT AND STORAGE. ONCE THE INSTALLATION ORIENTATION IS DETERMINED THE CHECKMATE® VALVE WILL BE CLAMPED FROM EITHER THE UPSTREAM OR DOWNSTREAM SIDE. FOR VALVES WITH TWO OR THREE CLAMPS, THEY CAN BE INSTALLED ONTO THE SAME SIDE OF THE VALVE AND OFFSET FROM EACH OTHER.

- UNPACKING & LIFTING**  
DO NOT USE SHARP TOOLS WHEN UNPACKING THIS PRODUCT AS IT MAY DAMAGE THE VALVE. FOR LARGER CHECKMATE® VALVES, THE VALVE SHOULD BE LIFTED WITH EITHER A SLING OR WITH SUPPORTS AROUND THE O.D. AT EACH SIDE OF THE VALVE TO EASE THE INSTALLATION PROCEDURE. DO NOT PLACE AN OBJECT THROUGH THE VALVE IN ORDER TO LIFT.

- INSPECTION OF PIPE I.D.**  
CHECK THE INSIDE DIAMETER (I.D.) OF THE PIPE SECTION FOR ROUGH OR DAMAGED AREAS. THE INSIDE SURFACE SHOULD BE UNIFORM AND RELATIVELY SMOOTH. LONG GOUGES OR CRACKS IN THE PIPE MAY ALLOW WATER TO PASS AND SHOULD BE FILLED PRIOR TO INSTALLATION. DO NOT ATTEMPT TO INSTALL A CHECKMATE® IN A SMALLER PIPE I.D.

- PIPE I.D. MEASUREMENTS**  
THE PIPE I.D. IS TO BE CHECKED IN THE FIELD. IT SHOULD BE A CONSISTENT DIAMETER FOR THE LENGTH OF VALVE AND SHOULD NOT BE OUT OF ROUND. WHEN THERE IS A +/- TOLERANCE ON THE PIPE I.D., THE CHECKMATE® VALVE SHOULD BE ORDERED TO THE SMALLEST PIPE I.D. THEN, RUBBER ADHESIVE STRIP CAN BE APPLIED TO BOTH CHECKMATE® CUFFS TO BUILD THE CUFF O.D. UP TO THE ACTUAL PIPE I.D.

- RUBBER ADHESIVE STRIP BUILD UP**  
WHEN VALVE O.D. IS SMALLER THAN THE PIPE I.D., ONE-SIDED RUBBER ADHESIVE STRIP IS USED TO BUILD UP THE O.D. OF BOTH CHECKMATE® CUFFS TO THE ACTUAL PIPE I.D.

- PREPARATION**  
THE CHECKMATE® VALVE USES EXPANDING CLAMP(S) TO EXERT PRESSURE OUTWARDS ON THE WALLS OF THE VALVE TO WEDGE IT IN PLACE WITHIN THE PIPE. THE WALLS OF THE PIPE SHOULD BE CLEAN AND FREE OF DEBRIS PRIOR TO INSTALLATION. THE VALVE SHOULD BE INSERTED FULLY INTO THE PIPE SO THAT NO PART OF THE CUFF OR BILL EXTENDS OUTSIDE THE PIPE. ENSURE THAT THE VALVE IS NOT SLANTED AT AN ANGLE WITH THE BILL POINTING UPWARDS OR DOWNWARDS. THE VALVE CENTERLINE SHOULD BE PARALLEL TO THE PIPE CENTERLINE. TIDEFLEX® TECHNOLOGIES RECOMMENDS PINNING THE CHECKMATE® VALVE ON ALL INSTALLATIONS. SEE BELOW. FOUR PRE-DRILLED HOLES ARE PROVIDED IN EACH EXPANSION CLAMP. AT LEAST ONE CLAMP SHOULD BE PINNED. ON EXPOSED PIPE, HOLES CAN BE DRILLED THROUGH THE VALVE AND PIPE, AND A BOLT RUN THROUGH SECURED WITH A NUT. FOR BURIED PIPE, SILICON OR SIMILAR

#### INLINE CHECKVALVE NOTES:

- INLINE CHECK VALVE SHALL BE RED VALVE 18" CHECKMATE MODEL CMCBUF-180. THERE IS NO APPROVED EQUAL OR SUBSTITUTE.
- CONTRACTOR SHALL INSTALL CHECK VALVE ACCORDING TO MANUFACTURERS SPECIFICATIONS AND INSTALLATION PROCEDURES.
- CONTRACTOR SHALL NOTIFY MANUFACTURER OF INSTALLATION BEFORE CONSTRUCTION BEGINS.
- RED VALVE CONTACT: ALEX GORDON | 412-848-1720 | AGORDON@REDVALVE.COM

#### SEALANT SHOULD BE USED TO SEAL BOLTS.

- LUBRICATION**  
THE OUTSIDE OF THE VALVE CAN BE LUBRICATED WITH A WATER-BASED LUBRICANT PRIOR TO INSERTING THE VALVE INTO THE PIPE. IF THE TAPING PROCEDURE HAS BEEN USED, THE SURFACE OF THE TAPE CAN BE LUBRICATE TO AID INSERTION.

- PLUMB LINES AND ARROWS**  
THE CHECKMATE® VALVE ARRIVES WITH A "TOP" ARROW. "FLOW" ARROW AND PLUMB LINES. MARKED IN WHITE. AT THE 12:00 AND 6:00 POSITION OF THE VALVE. UTILIZE THIS MARKING TO ORIENT THE VALVE IN THE PIPE, AS WELL AS TO ENSURE THE VALVE IS ORIENTED CORRECTLY IN PIPE SECTION.

- VALVE ORIENTATION**  
THE CHECKMATE® VALVE MUST BE INSTALLED IN A HORIZONTAL PIPE. VALVES 4" - 18" (NOMINAL) ARE SUPPLIED WITH A SINGLE CLAMP. THE CLAMP TURNBUCKLE SHOULD BE ORIENTED AT TOP DEAD CENTER AS DELINEATED BY THE PLUMB LINE. VALVES 20" - 60" (NOMINAL) ARE SUPPLIED WITH TWO CLAMPS. THE TURNBUCKLES SHOULD BE ORIENTED 45° FROM THE TOP CENTER PLUMB LINE. THE 72" IS SUPPLIED WITH THREE CLAMPS. THE TURNBUCKLE FOR ONE CLAMP TO BE AT TOP CENTER. THE OTHER CLAMPS TO BE 45° TO EACH SIDE OF TOP CENTER.

- INSERTION INTO PIPE**  
CLAMP TO SUPPORT THE SHAPE OF THE CUFF SHOULD BE HAND TIGHT AND SHOULD BE EXTENDED OUTWARD, BUT ONLY TIGHT ENOUGH TO LOOSELY KEEP THE SHAPE OF THE CUFF DURING INSTALLATION.

- PALLET PUSH FOR LARGER CHECKMATE® VALVES**  
LARGER CHECKMATE® VALVES CAN BE PUSHED INTO THE PIPE UTILIZING THE SHIPPING PALLET. THE PALLET SHOULD BE PLACED PERPENDICULAR TO THE VALVE BEING INSERTED INTO THE PIPE. THEN, WITH ASSISTANCE FROM AN EXCAVATOR, PUSH WITH CONSISTENT EVEN FORCE AGAINST THE SHIPPING PALLET TO INSERT THE CHECKMATE® VALVE INTO THE PIPE. SEE THE IMAGE TO THE RIGHT FOR THE SUGGESTED POSITIONING AND USAGE OF THE EXCAVATOR'S SHOVEL ASSISTANCE FOR LARGER-SIZED CHECKMATE® VALVES. CLAMPS MUST BE INSTALLED TO PREVENT DAMAGE TO CUFF.

- CORRUGATED PIPE AND SMOOTH WALL (PVC, HDPE) PIPE INSTALLATION**  
FOR INSTALLATION ON CORRUGATED PIPE, IT IS RECOMMENDED THAT THE CORRUGATIONS BE FILLED WITH HYDRAULIC GROUT (OR SIMILAR MATERIAL) THAT WILL PROVIDE A SMOOTH I.D. FOR SMOOTH WALL PIPE, IT IS RECOMMENDED THAT THE VALVE BE PINNED.

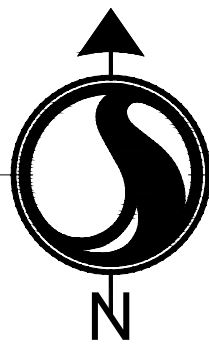
- FLANGED VALVE BOLT TORQUES**  
THE VALVE END WITH THE RUBBER FLANGE SHALL BE INSTALLED USING THE BACKUP RINGS PROVIDED. THE SLEEVE SPLIT SHOULD BE INSTALLED FACING DOWNSTREAM. WITH THE SPLIT IN THE VERTICAL POSITION. THE INSTALLATION BOLT TORQUE ON THE END FLANGE BOLTS ARE LISTED IN THE MANUFACTURERS INSTALLATION PROCEDURES.

#### INLINE CHECKVALVE MAINTENANCE NOTES:

- INSPECTION**  
VALVES SHOULD OCCASIONALLY BE INSPECTED FOR DAMAGE, WEAR, AND BUILDUP OF DEBRIS. THE FREQUENCY OF THE INSPECTIONS SHOULD BE DETERMINED BY THE SEVERITY OF THE SERVICE AND THE ENVIRONMENT IN WHICH IT OPERATES. THE CLAMPS SHOULD BE CHECKED FOR PROPER TENSION, AND BE SURE THAT THE INSIDE OF THE VALVE IS FREE OF DEBRIS. SOFT MARINE GROWTH IS NORMAL ON VALVES IN SUBMERGED APPLICATIONS. BECAUSE HARD MARINE GROWTH SUCH AS BARNACLES WILL NOT BOND WELL TO THE CHECKMATE®, THEY CAN BE EASILY REMOVED. ALSO INSERT PINS TO ENSURE THEY ARE TIGHT.

#### INLINE CHECKVALVE STORAGE NOTES:

- IF YOUR CHECKMATE® IS TO BE STORED FOR A PERIOD OF TIME PRIOR TO INSTALLATION, THE FOLLOWING STORAGE GUIDELINES WILL HELP TO PRESERVE THE VALVE AND ASSURE A TROUBLE-FREE INSTALLATION.**
  - STORE IN A CLEAN, COOL, DRY LOCATION. AVOID EXPOSURE TO LIGHT, ELECTRIC MOTORS, DIRT, OR CHEMICALS.
  - STORE VALVE VERTICALLY ON FLOOR OR PALLET.
  - STORE VALVE TO PREVENT OTHER ITEMS FROM CONTACTING CHECK SLEEVE TO PREVENT POSSIBLE DAMAGE.
  - STORE THIS MANUAL WITH THE VALVE, SO THAT IT IS READILY AVAILABLE AT TIME OF INSTALLATION.



0 20' 40'  
1" = 20'



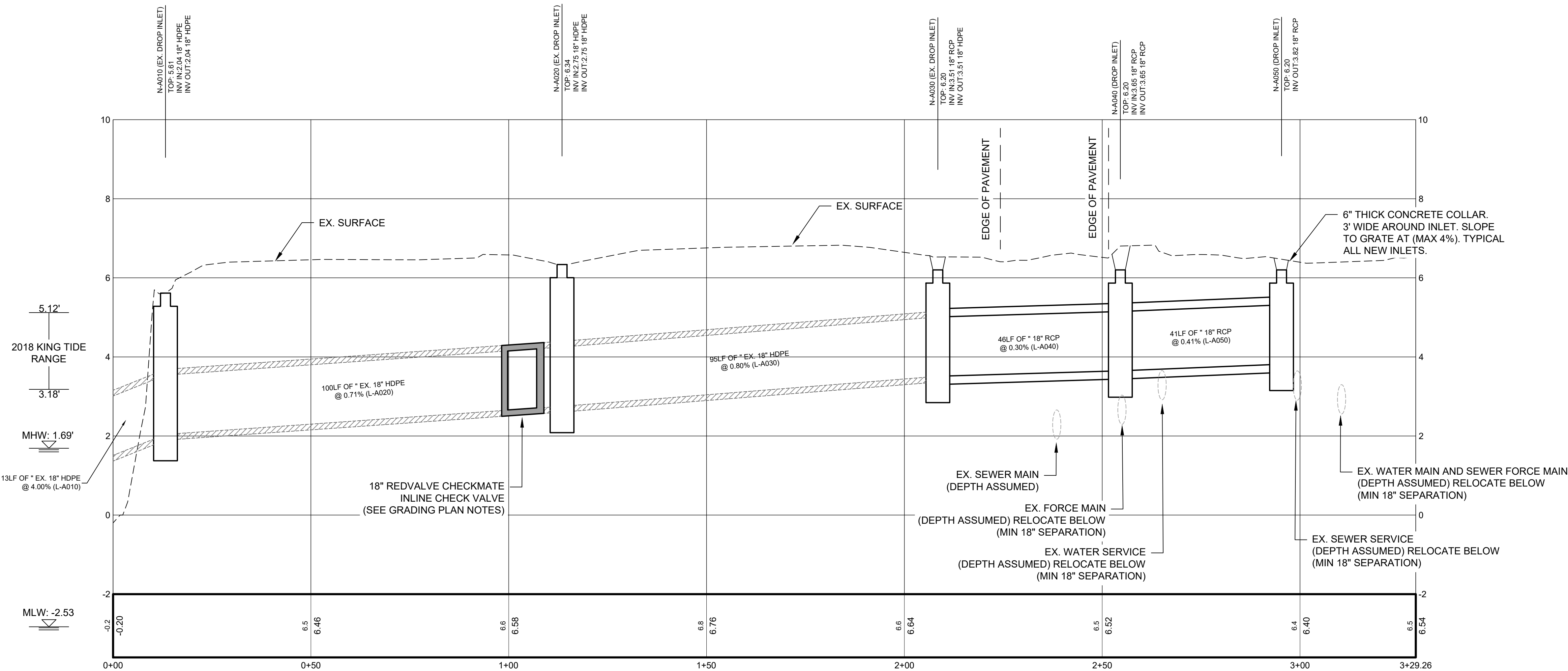
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D

C

B



C-STRM-1 PROFILE  
SCALE: H: 1"=30'  
V: 1"=3'

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Stantec  
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Tel: 843.740.7700  
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#### Consultant

#### Legend

Revision By Appd YYYY.MM.DD

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Issued By Appd YYYY.MM.DD

File Name: 927\_GRADING\_SITE\_02 SGC SCC BK

Dwn. Dsgn. Chkd. YYYY.MM.DD

#### Permit/Seal



1.22.2018

#### Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

#### SITE 2 GRADING PROFILE

Project No. Scale

178420927

Revision Sheet Drawing No.

7 of 62 C1.31



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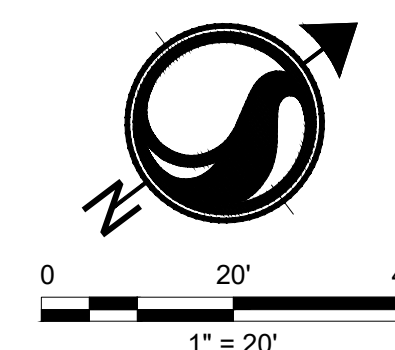
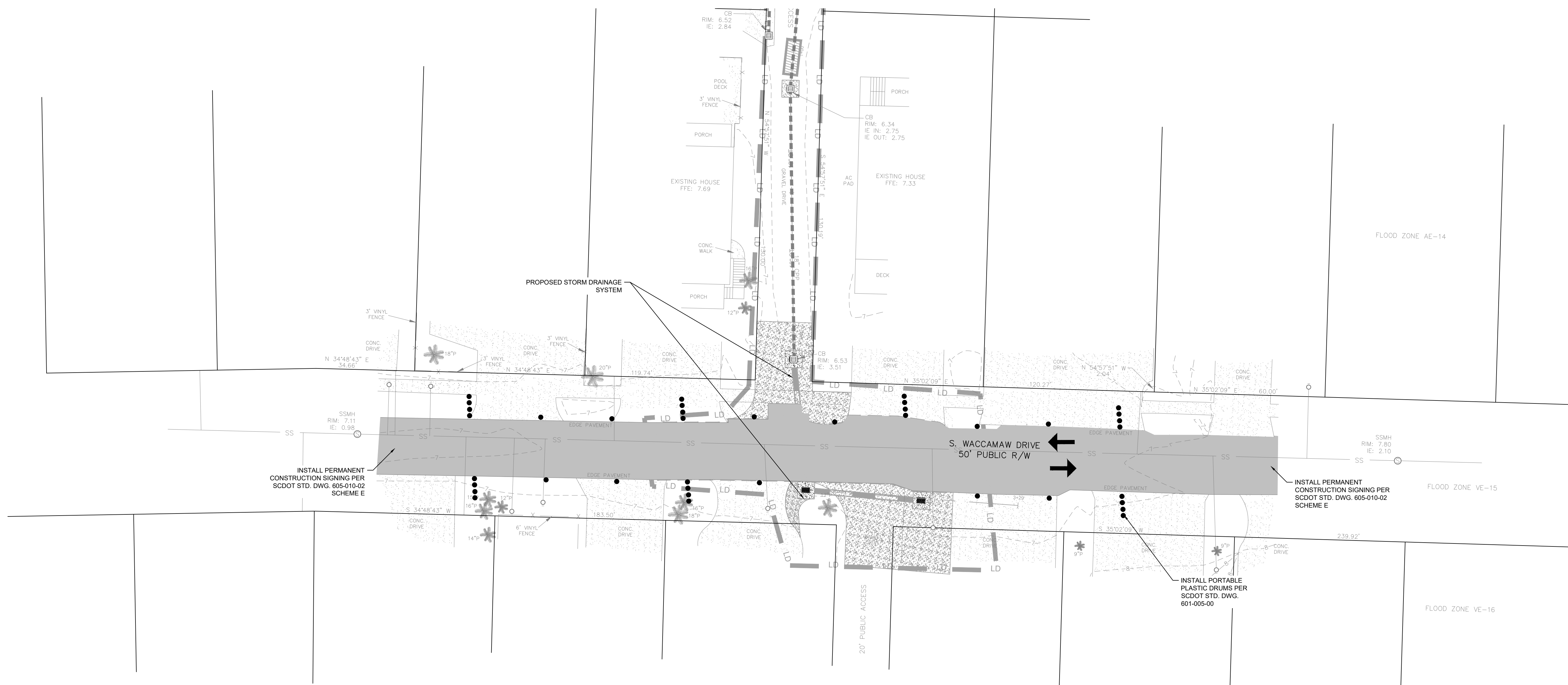
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Issued	By	Appd	YYYY.MM.DD
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	Dwn.	Dign.	Chkd.
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1.22.2018

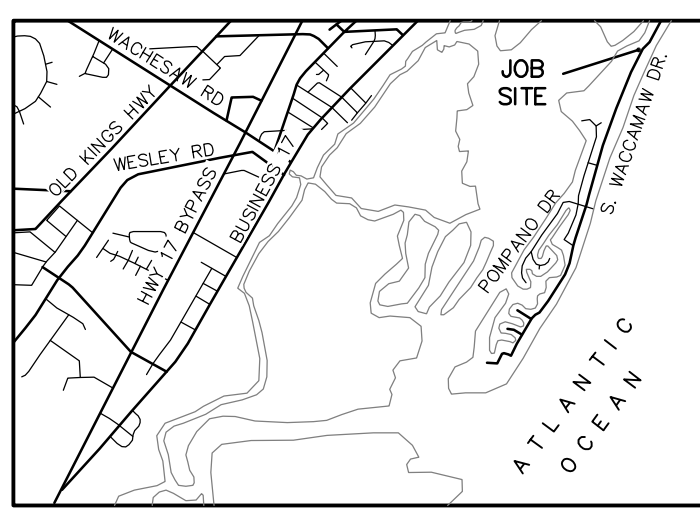
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GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

## SITE 2 TRAFFIC CONTROL PLAN

Project No.	Scale
178420927	
Revision	Drawing No.
Sheet	
8 of 62	C1.40





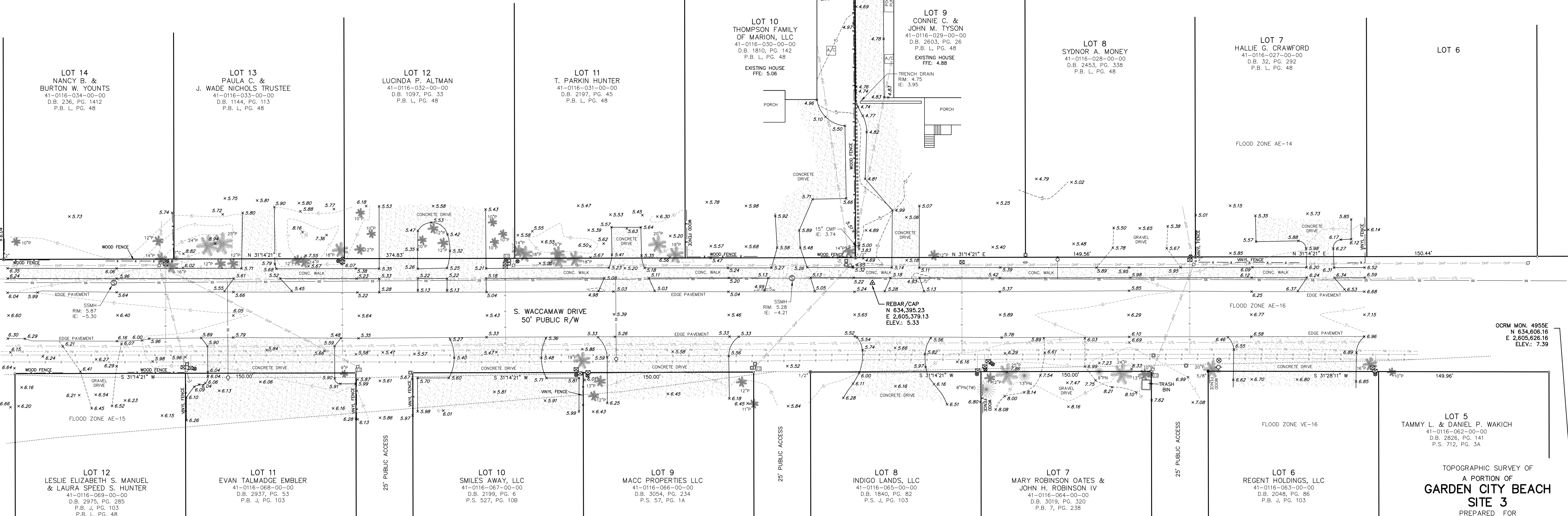


VICINITY MAP  
(NOT TO SCALE)

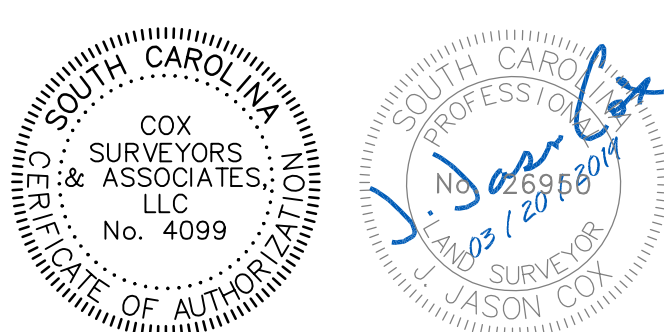
- LEGEND**
- IRON PIPE FOUND
  - IRON REBAR FOUND
  - BOUNDARY POINT
  - △ CONTROL POINT
  - X 4.57 EXISTING ELEVATION
  - D.B. DEED BOOK
  - P.B. PLAT BOOK
  - P.S. PLAT SLIDE
  - P.G. PAGE
  - ELECTRIC BOX
  - AIR CONDITIONER
  - POWER POLE
  - GUY ANCHOR
  - ☐ TELEPHONE PEDESTAL
  - ☐ WATER VALVE
  - IRRIGATION CONTROL VALVE
  - ☐ VALVE MARKER
  - ☐ WATER METER
  - ☐ FIRE HYDRANT
  - UTL- UNDERGROUND UTILITY LINE (APPROX.)
  - UGP- UNDERGROUND POWER (APPROX.)
  - W- WATER LINE (APPROX.)
  - X- FENCE
  - ..... FLOOD ZONE LINE
  - P PALM TREE
  - PN PINE TREE
  - C CEDAR TREE
  - TW TWIN

**NOTES:**

1. TAX MAP NO.: AS SHOWN.
2. IT IS MY OPINION THAT THE PROPERTY SHOWN ON THIS PLAT IS LOCATED IN FLOOD ZONES AS SHOWN HEREON PER FLOOD INSURANCE RATE MAP 450085 0167 D DATED OCTOBER 16, 1992 & IS SUBJECT TO VERIFICATION BY THE COUNTY FLOODPLAIN MANAGER / FEMA OFFICER. FLOOD ZONE LINES SHOWN HEREON SCALED FROM FEMA FIRM MAPS. SAID LINES ARE APPROXIMATE.
3. ALL BEARINGS AND COORDINATES SHOWN ON THIS SURVEY ARE BASED ON SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM NAD83(2011). DISTANCES AND COORDINATES SHOWN ARE GROUND LEVEL DISTANCES. NOT GRID DISTANCES. TO CONVERT GROUND LEVEL DISTANCES TO GRID DISTANCES, MULTIPLY BY COMBINED SCALE FACTOR OF 0.9997938. STATE PLANE COORDINATES OBTAINED FROM OCRM MONUMENT \*4930 1987.
4. A TITLE SEARCH WAS NOT PERFORMED BY THIS OFFICE ON THIS DATE.
5. THE PROPERTY PLATTED HEREON IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
6. REFERENCE: AS SHOWN.
7. SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AN ELEMENT OF THIS SURVEY. NO STATEMENT IS MADE REGARDING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTINGENCIES THAT MAY AFFECT THE USE OF THIS PARCEL.
8. THERE ARE NO HORIZONTAL CONTROL MONUMENTS ON THE UNITED STATES OR STATE AGENCY SURVEY SYSTEMS LOCATED WITHIN 2000 FEET OF THE SUBJECT PROPERTY.
9. THIS SURVEY IS VALID ONLY IF THE PRINT OF SAME HAS THE ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE LAND SURVEYOR.
10. CURRENT OWNERS: AS SHOWN
11. ALL ELEVATIONS BASED ON NAVD 88 DATUM PER OCRM MONUMENT \*4955E, ELEVATION: 7.39'



I HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "B" SURVEY AS SPECIFIED THEREIN. ALSO THERE ARE NO VISIBLE ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN.



J. JASON COX  
SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR  
LICENSE NO. 26950

LINE TABLE		
LINE	BEARING	LENGTH
L1	N 33°33'12" E	50.98'
L2	N 34°02'09" E	24.06'
L3	N 32°46'34" E	12.16'
L4	N 32°41'22" E	28.35'
L5	N 32°58'22" E	20.83'
L6	N 33°05'22" E	13.48'
L7	N 58°45'39" W	1.20'
L8	S 56°28'48" E	1.20'
L9	N 33°33'12" E	59.97'
L10	N 34°02'09" E	24.11'
L11	N 32°46'16" E	12.16'
L12	N 32°41'22" E	28.30'
L13	N 32°58'22" E	20.83'
L14	N 33°05'22" E	13.52'
L15	S 58°45'39" E	1.20'

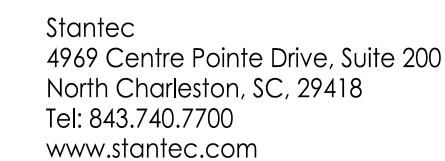
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ELEV.: 6.49' (NAVD 88)

MHW	MLLW	NAVD 88
MHW	4.77	2.08
MHW	4.38	1.69
MLW	0.16	-2.53
MLLW	0.00	-2.69

TOPOGRAPHIC SURVEY OF  
A PORTION OF  
**GARDEN CITY BEACH**  
**SITE 3**  
PREPARED FOR  
**GEORGETOWN COUNTY**  
GARDEN CITY BEACH  
GEORGETOWN COUNTY SOUTH CAROLINA  
20 0 10 20 40  
SCALE: 1 INCH = 20 FEET  
SURVEYED & MAPPED BY  
**COX SURVEYORS & ASSOCIATES**  
A LIMITED LIABILITY COMPANY  
4325 DICK POND ROAD, SUITE A  
MYRTLE BEACH, SC 29588 (843) 650-1500  
www.coxsurveyors.com

DRAWN BY JUC FIELD DATE 03/2019  
REVIEWED JUC PLAT DATE 03/20/2019  
CREW CHIEF JTB FIELD BOOK CS-1323

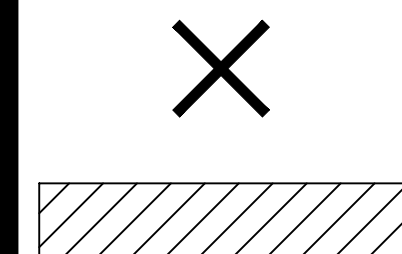




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Legend



DEMOLISH TREE

DEMOLISH STRUCTURE

Revision

By Appd YYYY.MM.DD

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TN BK 2020.06.01

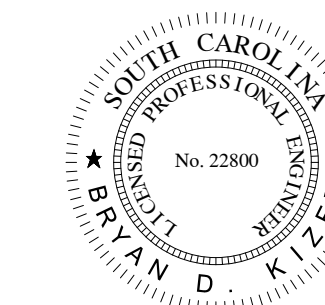
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File Name: 927\_DEMO\_SITE\_3

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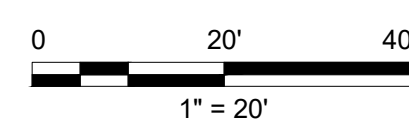
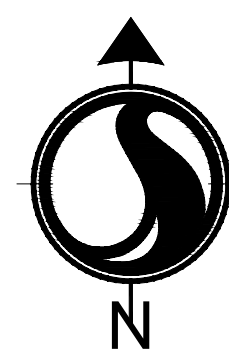
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GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

## SITE 3 DEMOLITION PLAN

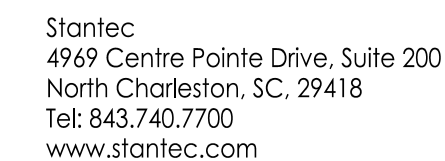
Project No. 178420927	Scale
Revision      Sheet 10 of 62	Drawing No. C2.20



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2012/06/08 2:51 PM By: Nelson, Trey

ORIGINAL SHEET: A661-D





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### PERMANENT STABILIZATION

### TEMPORARY SEEDING

## MULCHING

DUST CONTROL



### LIMITS OF DISTURBANCE



### LIMITS OF DISTURBANCE



SILT FENCE



TYPE A INLET PROTECTION

**FILTER BACK**

## CONCRETE WASHOUT

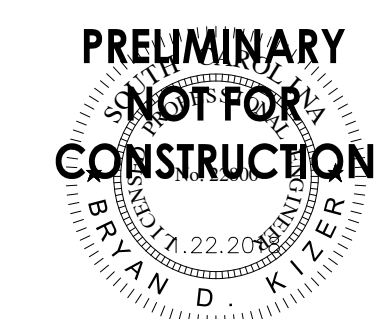
1. REVISED STORM DRAINAGE	TN	BK	20201009
Revision	By	Appd	YYYY.MM.DD

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File Name: 927_ESC_SITE_03	SGC	SGC	BK	
	Dwn.	Dsan.	Chkd.	YYYY.MM.DD

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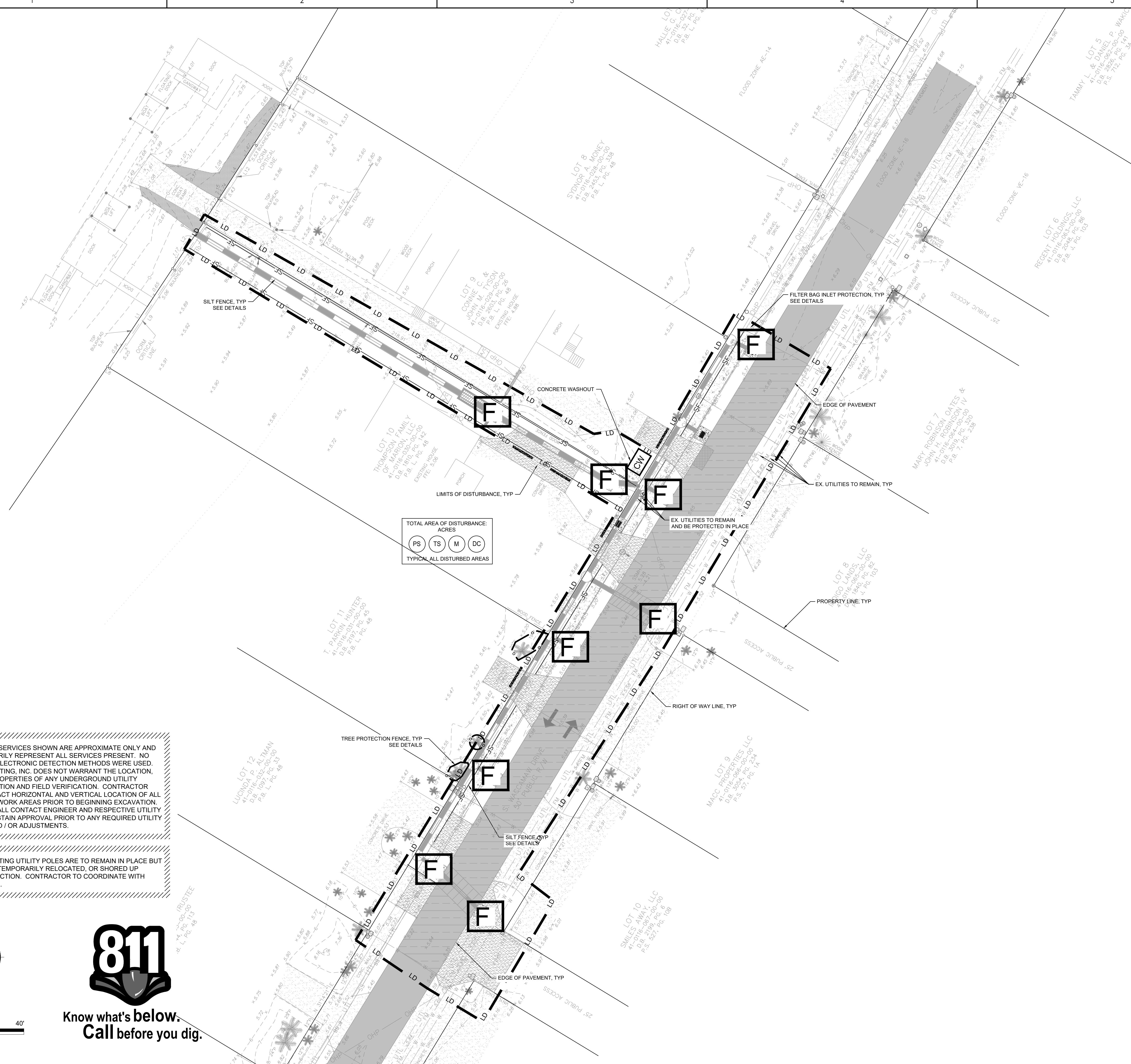
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GEORGETOWN COUNTY  
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IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

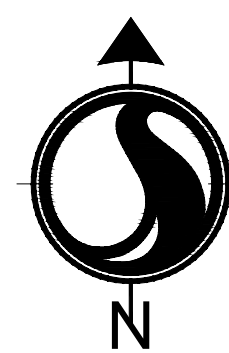
## SITE 3 EROSION CONTROL PLAN

Project No. 178420927	Scale
Revision	Sheet
	11 of 62
	Drawing No. C2.30

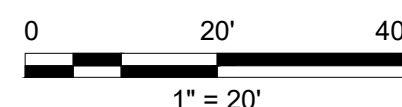


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Project No. 178420927	Scale
Revision Sheet 12 of 62	Drawing No. C2.40

ORIGINAL SHEET - ARCH'D



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1. REVISED STORM DRAINAGE	TN	BK	20201009
Revision	By	Appd	YYYY.MM.DD

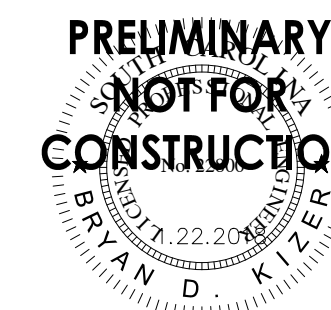
FOR PERMIT REVIEW

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Issued \_\_\_\_\_ By \_\_\_\_\_ Appd \_\_\_\_\_ YYYY.MM.DD

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	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal



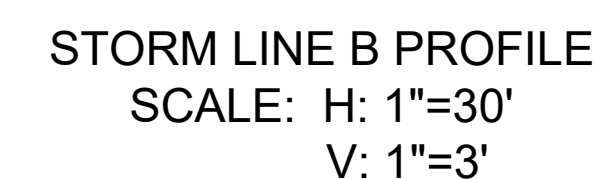
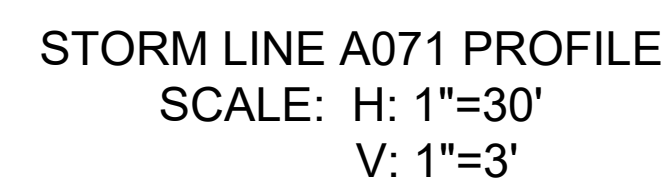
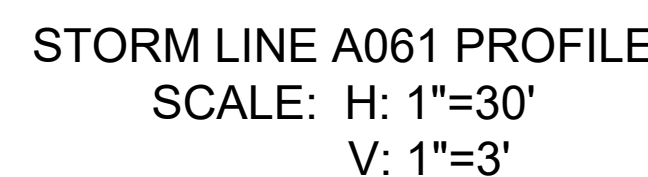
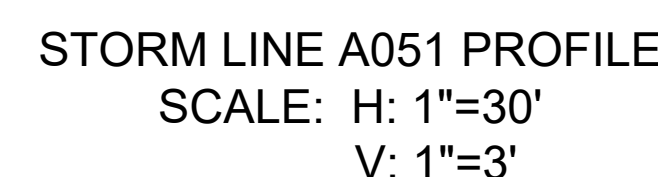
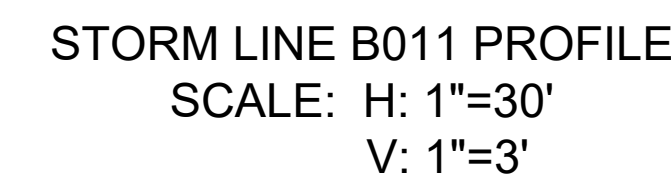
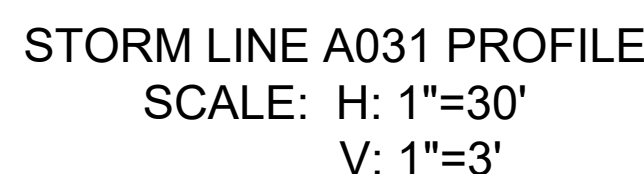
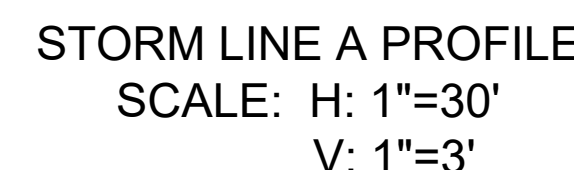
Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

### SITE 3 GRADING PROFILE

Project No. 178420927	Scale
Revision Sheet 13 of 62	Drawing No. C2.41



EXISTING UTILITY SERVICES SHOWN ARE APPROXIMATE ONLY AND DO NOT NECESSARILY REPRESENT ALL SERVICES PRESENT. NO EXCAVATION OR ELECTRONIC DETECTION METHODS WERE USED. STANTEC CONSULTING, INC. DOES NOT WARRANT THE LOCATION, EXISTENCE OR PROPERTIES OF ANY UNDERGROUND UTILITY WITHOUT EXCAVATION AND FIELD VERIFICATION. CONTRACTOR SHALL VERIFY EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO ANY EXCAVATION. PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT ENGINEER AND RESPECTIVE UTILITY PROVIDER AND OBTAIN APPROVAL PRIOR TO ANY REQUIRED UTILITY RELOCATIONS AND / OR ADJUSTMENTS.

NOTICE - ALL EXISTING UTILITY POLES ARE TO REMAIN IN PLACE BUT MAY NEED TO BE TEMPORARILY RELOCATED, OR SHORED UP DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER.

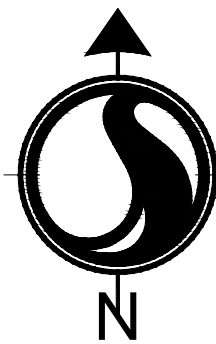


Know what's **below**.  
**Call** before you dig.





NOTE  
1. CONTRACTOR TO VERIFY SIZE AND MATERIAL OF ALL EX. UNDERGROUND UTILITIES.



0 20' 40'  
1" = 20'



Know what's below.  
Call before you dig.



Stantec  
4969 Centre Pointe Drive, Suite 200  
North Charleston, SC. 29418  
Tel: 843.740.7700  
www.stantec.com

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The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing.  
- any errors or omissions shall be reported to Stantec without delay.  
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Consultant

Legend

- REMOVE AND REPLACE 6" CONCRETE SIDEWALK
- ASPHALT FULL DEPTH REPLACEMENT
- REMOVE AND REPLACE CONCRETE DRIVEWAY
- 1 1/2" ASPHALT MILL AND OVERLAY

1. REVISED STORM DRAINAGE	TN	BK	20201009
Revision	By	Appd	YYYY.MM.DD

FOR PERMIT REVIEW	By	Appd	YYYY.MM.DD
Issued			

File Name: 927_GRADING_SITE_03	SGC	SGC	BK
	Dwn.	Dsgn.	Chkd.

Permit/Seal



Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

SITE 3 SITE IMPROVEMENTS

Project No. 178420927	Scale
Revision Sheet 14 of 62	Drawing No. C2.42

CONSTRUCTION NOTES:

1. PORTABLE PLASTIC DRUMS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWING NUMBER 601-005-00, AND AS DIRECTED BY THE PLANS.
2. CONSTRUCTION OF THIS PROJECT REFERENCES THE FOLLOWING SCDOT STANDARD DRAWINGS:
  - 2.1. 601-005-00 WIDENING PROJECTS NEW ROADWAY CONSTRUCTION PRIMARY ROUTES
  - 2.2. 605-005-01 CONSTRUCTION SIGNING GROUND MOUNTED ASSEMBLY U CHANNEL POSTS - BREAKAWAY INSTALLATION
  - 2.3. 605-010-02 CONSTRUCTION SIGNING PERMANENT PRIMARY ROUTES
  - 2.4. 605-025-01 CONSTRUCTION SIGNING SPECIAL SIGNS LET 'EM WORK LET 'EM LIVE
  - 2.5. 605-030-02 CONSTRUCTION SIGNING "ROAD WORK" SIGNS "END ROAD WORK"
  - 2.6. 610-015-00 LANE CLOSURE NIGHT TIME URBAN LOW SPEED (<35 MPH)
  - 2.7. 610-205-00 RIGHT SHOULDER CLOSURE (CASE I/CASE II) PRIMARY ROUTES

CONSTRUCTION SEQUENCE:

1. INSTALL PERMANENT CONSTRUCTION SIGNS.
2. INSTALL PORTABLE PLASTIC DRUMS.
3. MAINTAIN MINIMUM ONE LANE OF TRAFFIC IN EACH DIRECTION ON EXISTING LANES, UTILIZING FLAGMEN.
4. CONSTRUCT SHADED PORTION OF MILL AND OVERLAY AS SHOWN.



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North Charleston, SC. 29418  
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use for any purpose other than that authorized by Stantec is forbidden.

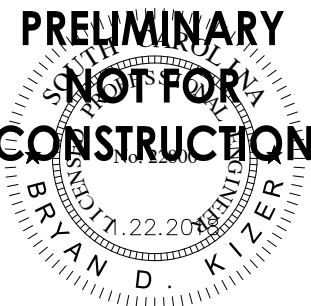
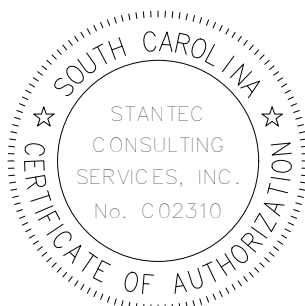
Consultant

Legend

1. REVISED STORM DRAINAGE	TN	BK	20201009
Revision	By	Appd	YYYY.MM.DD

FOR PERMIT REVIEW	By	Appd	YYYY.MM.DD
Issued			
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	Dwn.	Dsgn.	Chkd.
			YYYY.MM.DD

Permit/Seal



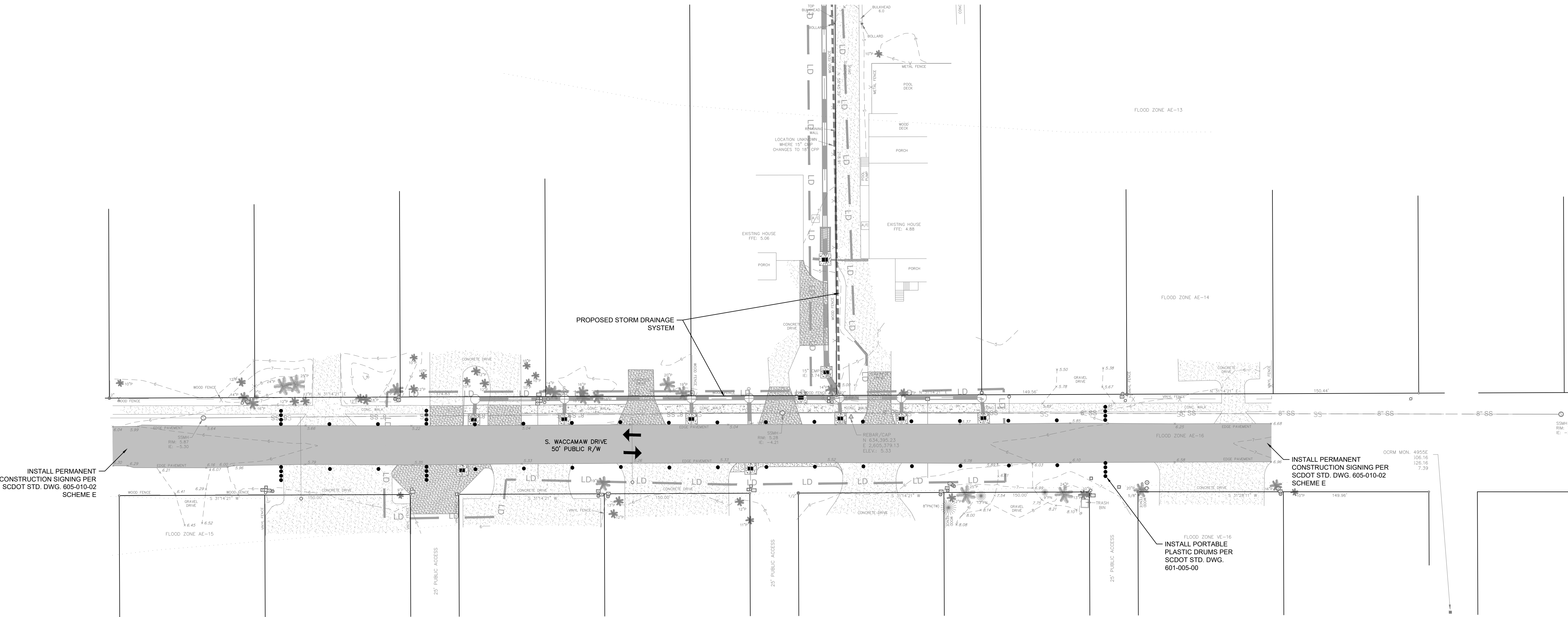
Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

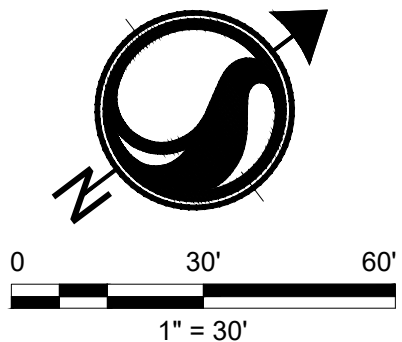
MURRELLS INLET, SOUTH CAROLINA  
Title

SITE 3 TRAFFIC CONTROL PLAN

Project No.	178420927	Sheet	15 of 62	Scale	C2.50
Revision		Drawing No.			

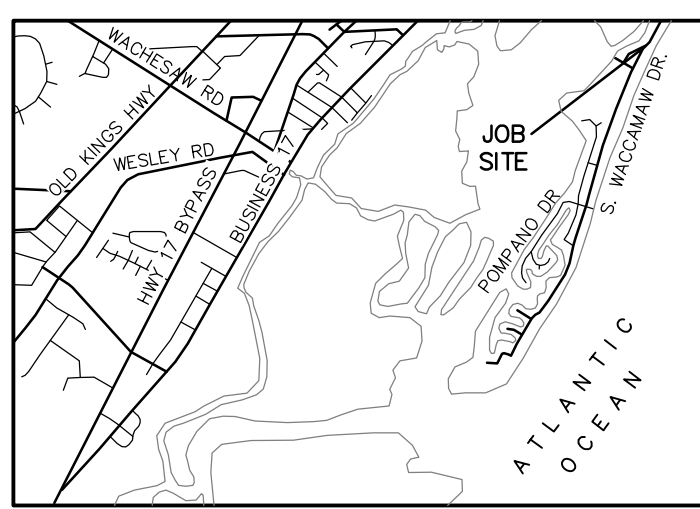


4



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2021/06/08 2:51 PM By: Nelson, Trey





VICINITY MAP  
(NOT TO SCALE)

LOT 52  
LAST RESORT OF  
GARDEN CITY, LLC  
41-0128-026-00-00  
D.B. 2040, PG. 225  
P.B. O, PG. 31

LOT 51  
VICTOR H. & JUDITH ORR, TRUSTEE  
41-0128-025-00-00  
D.B. 2901, PG. 108  
P.B. O, PG. 31

LOT 50  
BAR-TAR A SC  
GEN PARTNERSHIP  
41-0128-024-00-00  
D.B. 173, PG. 475  
P.B. O, PG. 31

LOT 49  
CABELU, LLC  
41-0128-023-00-00  
D.B. 3109, PG. 319  
P.B. O, PG. 31

LOT 48  
PHIL LACKEY  
41-0128-022-00-00  
D.B. 234, PG. 231  
P.B. L, PG. 48

SEAPORT VILLAGE HPR  
41-0128-034-00-00  
D.B. 648, PG. 262  
SLD. 264, PG. 5  
P.S. 466, PG. 2 & 3  
P.S. 474, PG. 7 & 10

LOT 26  
ELIZABETH G. SIMMONS  
41-0128-064-00-00  
D.B. 1382, PG. 149  
SLD. 709, PG. 108  
P.B. O, PG. 31

LOT 25  
WILLIAM SUMTER &  
FRANCIS HUGH HENRY  
41-0128-062-00-00  
D.B. 1800, PG. 284  
P.B. O, PG. 31

LOT 24  
PATSY PAYNE &  
C. ALEX SPIVEY, JR.  
41-0128-061-00-00  
D.B. 1684, PG. 319  
P.B. O, PG. 31

LOT 23  
1411 PROPERTY MANAGEMENT, LLC  
41-0128-060-00-00  
D.B. 2074, PG. 168  
SLD. 44, PG. 9A  
P.B. O, PG. 31

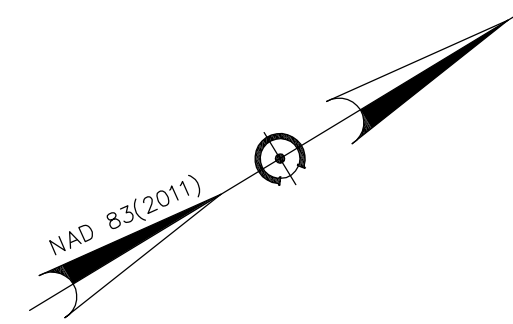
LOT 27  
JOHN ROBERT WOOD TRUSTEE  
41-0128-064-00-00  
D.B. 2978, PG. 267  
SLD. 97, PG. 69  
P.B. O, PG. 31

#### LEGEND

- IRON PIPE FOUND
- IRON REBAR FOUND
- BOUNDARY POINT
- △ CONTROL POINT
- x 4.57 EXISTING ELEVATION
- D.B. DEED BOOK
- P.B. PLAT BOOK
- P.S. PLAT BOOK
- PG. PLAT SLIDE
- ELECTRIC BOX
- AIR CONDITIONER
- TELEPHONE PEDESTAL
- UTILITY LINE MARKER
- CABLE BOX
- WATER VALVE
- IRRIGATION CONTROL VALVE
- △ VALVE MARKER
- WATER METER
- FIRE HYDRANT
- UTL- UNDERGROUND UTILITY LINE (APPROX.)
- UGP- UNDERGROUND POWER (APPROX.)
- W- WATER LINE (APPROX.)
- FM- SEWER FORCEMAIN (APPROX.)
- X- FENCE
- ..... FLOOD ZONE LINE
- P PALM TREE
- PN PINE TREE
- C CEDAR TREE

TIDAL INFORMATION  
"866 1852 G TIDAL"  
ELEV.: 6.49' (NAVD 88)

	MLLW	NAVD 88
MHHW	4.77	2.08
MHW	4.38	1.69
MLW	0.16	-2.53
MLLW	0.00	-2.69



#### REFERENCE MAPS:

- "MAP OF SOUTH POINT LOTS" BY SAMUEL M. HARPER, R.L.S. REVISED MARCH 2, 1960 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. O, PG. 30.
- "PLAT PREPARED FOR GARY NICHOLS, et al" BY CULLER LAND SURVEYING CO., INC. DATED NOVEMBER 7, 1989 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT SLD. 44, PG. 9A.
- "PLAT OF 1464 SOUTH WACCAMAW DRIVE, BEING A PORTION OF SEAPORT VILLAGE LOCATED ON A LOT COMPOSED OF LOTS 58, 59, 60, AND 61, BLOCK A" BY WENDELL C. POWERS, P.L.S. DATED MAY 19, 2003 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT SLD. 466, PG. 2.
- "PLAT OF LOT 31, SOUTH POINT LOTS" BY WENDELL C. POWERS, P.L.S. DATED MAY 4, 1990 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT SLD. 54, PG. 3A.
- "PLAT PREPARED FOR BETTE D. POPE" BY CULLER LAND SURVEYING CO., INC. DATED APRIL 20, 1992 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT SLD. 97, PG. 6B.
- "PLAT OF 1463 BASIN TERRACE" BEING A PORTION OF SEAPORT VILLAGE LOCATED ON A LOT COMPOSED OF LOTS 58, 59, 60 AND 61, BLOCK A" BY WENDELL C. POWERS, P.L.S. DATED MAY 19, 2003 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT SLD. 474, PG. 7.
- "PLAT OF 1463 BASIN TERRACE" BEING A PORTION OF SEAPORT VILLAGE LOCATED ON A LOT COMPOSED OF LOTS 58, 59, 60 AND 61, BLOCK A" BY WENDELL C. POWERS, P.L.S. DATED MAY 19, 2003 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT SLD. 474, PG. 10.
- "PLAT OF 1464 SOUTH WACCAMAW DRIVE, BEING A PORTION OF SEAPORT VILLAGE LOCATED ON A LOT COMPOSED OF LOTS 58, 59, 60, AND 61, BLOCK A" BY WENDELL C. POWERS, P.L.S. DATED MAY 19, 2003 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT SLD. 474, PG. 10.
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- "MAP OF PHASES I & II, MARLIN QUAY HORIZONTAL PROPERTY REGIME" BY CULLER LAND SURVEYING, INC. DATED JUNE 7, 1982 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT P.B. I, PG. 496.

#### NOTES:

1. TAY MAP NO.: AS SHOWN.
2. IT IS MY OPINION THAT THE PROPERTY SHOWN ON THIS PLAT IS LOCATED IN FLOOD ZONES AS SHOWN HEREON PER FLOOD INSURANCE RATE MAP 450085 D167 E DATED OCTOBER 16, 1992 & IS SUBJECT TO VERIFICATION BY THE COUNTY FLOODPLAIN MANAGER / FEMA OFFICER. FLOOD ZONE LINES SHOWN HEREON SCALED FROM FEMA FIRM MAPS. SAID LINES ARE APPROXIMATE.
3. ALL BEARINGS AND COORDINATES SHOWN ON THIS SURVEY ARE BASED ON SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM NAD83(2011) DISTANCES AND COORDINATES SHOWN ARE GROUND LEVEL DISTANCES. NOT GRID DISTANCES. TO CONVERT GROUND LEVEL DISTANCES TO GRID DISTANCES, MULTIPLY BY COMBINED SCALE FACTOR OF 0.9997956. STATE PLANE COORDINATES OBTAINED FROM OCRM MONUMENT "4930 1987".
4. A TITLE SEARCH WAS NOT PERFORMED BY THIS OFFICE ON THIS DATE.
5. THE PROPERTY PLATTED HEREON IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
6. REFERENCE: AS SHOWN.
7. SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AN ELEMENT OF THIS SURVEY. NO STATEMENT IS MADE REGARDING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTINGENCIES THAT MAY AFFECT THE USE OF THIS PARCEL.
8. THERE ARE NO HORIZONTAL CONTROL MONUMENTS ON THE UNITED STATES OR STATE AGENCY SURVEY SYSTEMS LOCATED WITHIN 2000 FEET OF THE SUBJECT PROPERTY.
9. THIS SURVEY IS VALID ONLY IF THE PRINT OF SAME HAS THE ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE LAND SURVEYOR.
10. CURRENT OWNERS: AS SHOWN.
11. ALL ELEVATIONS BASED ON NAVD 88 DATUM PER OCRM MONUMENT "49408", ELEVATION: 7.71'

OCRM MON. 49408  
N 632,161.74  
E 2,604,012.77  
ELEV.: 7.71

TOPOGRAPHIC SURVEY OF  
SHEET 1 OF 2  
A PORTION OF  
GARDEN CITY BEACH  
SITE 4

PREPARED FOR  
GEORGETOWN COUNTY  
GARDEN CITY BEACH  
GEORGETOWN COUNTY SOUTH CAROLINA

20 0 10 20 40  
SCALE: 1 INCH = 20 FEET  
SURVEYED & MAPPED BY

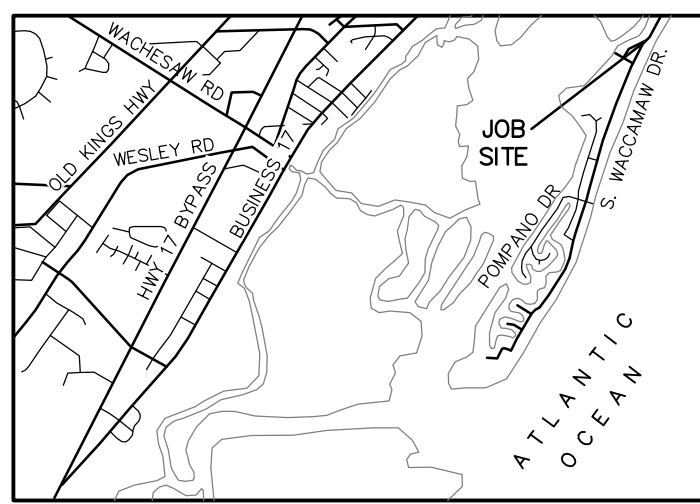
Cox SURVEYORS & ASSOCIATES  
A LIMITED LIABILITY COMPANY

4325 DICK POND ROAD, SUITE A  
MYRTLE BEACH, SC 29588 (843) 650-1500  
coxsurveyors @ sccoast.net

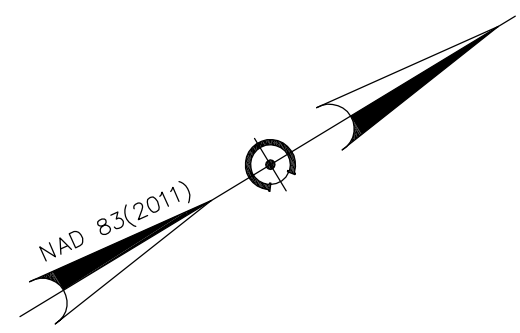
DRAWN BY VGB FIELD DATE 03/27/2019  
REVIEWED JUC PLAT DATE 03/27/2019  
CREW CHIEF CTB FIELD BOOK CS-1323

O:\Drawings-CSA\01300\01323 GCD Site 4\01323 GCD Site 4.dwg 3/27/2019 12:52 PM





VICINITY MAP  
(NOT TO SCALE)



COMMON AREA  
MARLIN QUAY  
HOMEOWNERS ASSOCIATION  
41-0128-032-00-00  
D.B. 205, PG. 270  
P.B. 1, PG. 496  
P.B. 0, PG. 31

SEAPORT VILLAGE HPR  
41-0128-034-00-00  
D.B. 848, PG. 262  
S.D. 264, PG. 5  
P.S. 466, PG. 2 & 3  
P.S. 474, PG. 7 & 10

FLOOD ZONE AE-15

SEAPORT VILLAGE HPR  
41-0128-034-00-00  
D.B. 848, PG. 262  
S.D. 264, PG. 5  
P.S. 466, PG. 2 & 3  
P.S. 474, PG. 7 & 10

FLOOD ZONE VE-15

FLOOD ZONE VE-15

#### LEGEND

- IRON PIPE FOUND
- IRON REBAR FOUND
- BOUNDARY POINT
- △ CONTROL POINT
- X 4.57 EXISTING ELEVATION
- D.B. DEED BOOK
- P.B. PLAT BOOK
- P.S. PLAT BOOK
- PG. PLAT SLIDE
- ELECTRIC BOX
- AIR CONDITIONER
- TELEPHONE PEDESTAL
- UTILITY LINE MARKER
- CABLE BOX
- WATER VALVE
- IRRIGATION CONTROL VALVE
- △ VALVE MARKER
- WATER METER
- FIRE HYDRANT
- UTL- UNDERGROUND UTILITY LINE (APPROX.)
- UGP- UNDERGROUND POWER (APPROX.)
- W- WATER LINE (APPROX.)
- FM- SEWER FORCEMAIN (APPROX.)
- X- FENCE
- F- FLOOD ZONE LINE
- P PALM TREE
- PN PINE TREE
- C CEDAR TREE

#### NOTES:

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3. ALL BEARINGS AND COORDINATES SHOWN ON THIS SURVEY ARE BASED ON SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM NAD83(2011). DISTANCES AND COORDINATES SHOWN ARE GROUND LEVEL DISTANCES, NOT GRID DISTANCES. TO CONVERT GROUND LEVEL DISTANCES TO GRID DISTANCES, MULTIPLY BY COMBINED SCALE FACTOR OF 0.9997958. STATE PLANE COORDINATES OBTAINED FROM OCRM MONUMENT "4930 1987".
4. A TITLE SEARCH WAS NOT PERFORMED BY THIS OFFICE ON THIS DATE.
5. THE PROPERTY PLATTED HEREON IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
6. REFERENCE, AS SHOWN.
7. SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AN ELEMENT OF THIS SURVEY. NO STATEMENT IS MADE REGARDING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTINGENCIES THAT MAY AFFECT THE USE OF THIS PARCEL.
8. THERE ARE NO HORIZONTAL CONTROL MONUMENTS ON THE UNITED STATES OR STATE AGENCY SURVEY SYSTEMS LOCATED WITHIN 2000 FEET OF THE SUBJECT PROPERTY.
9. THIS SURVEY IS VALID ONLY IF THE PRINT OF SAME HAS THE ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE LAND SURVEYOR.
10. CURRENT OWNERS: AS SHOWN.
11. ALL ELEVATIONS BASED ON NAVD 88 DATUM PER OCRM MONUMENT "4940B", ELEVATION: 7.71'

THIS INSTRUMENT AND REPRODUCIBLE COPIES OF THIS INSTRUMENT ARE OWNED BY COX SURVEYORS & ASSOCIATES, LLC. REPRODUCTIONS OF THIS INSTRUMENT ARE NOT PERMITTED WITHOUT WRITTEN CONSENT OF COX SURVEYORS & ASSOCIATES, LLC. UNLESS OBTAINED THROUGH MATTERS OF PUBLIC RECORD.

ALTERATIONS TO THIS DOCUMENT ARE NOT PERMITTED.

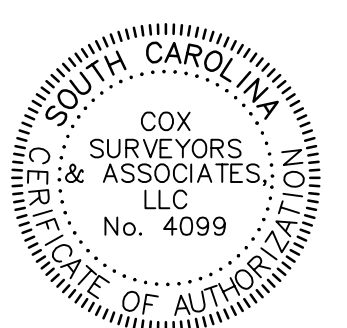
#### REFERENCE MAPS:

1. "MAP OF SOUTH POINT LOTS" BY SAMUEL M. HARPER, R.L.S. REVISED MARCH 2, 1960 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. 0, PG. 31.
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3. "PLAT OF 1464 SOUTH WACCAMAW DRIVE, BEING A PORTION OF SEAPORT VILLAGE LOCATED ON A LOT COMPOSED OF LOTS 58, 59, 60, AND 61, BLOCK "A" BY WENDELL C. POWERS, P.L.S. DATED MAY 19, 2003 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT SLD. 466, PG. 2.
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6. "PLAT OF 1463 BASIN TERRACE" BEING A PORTION OF SEAPORT VILLAGE LOCATED ON A LOT COMPOSED OF LOTS 58, 59, 60 AND 61, BLOCK "A" BY WENDELL C. POWERS, P.L.S. DATED MAY 19, 2003 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT SLD. 474, PG. 7.
7. "PLAT OF 1463 BASIN TERRACE" BEING A PORTION OF SEAPORT VILLAGE LOCATED ON A LOT COMPOSED OF LOTS 58, 59, 60 AND 61, BLOCK "A" BY WENDELL C. POWERS, P.L.S. DATED MAY 19, 2003 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT SLD. 474, PG. 7.
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10. "MAP OF PHASES I & II, MARLIN QUAY HORIZONTAL PROPERTY REGIME" BY CULLER LAND SURVEYING, INC. DATED JUNE 7, 1982 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT P.B. 1, PG. 496.

TIDAL INFORMATION  
"866 1852 G TIDAL"  
ELEV.: 6.49' (NAVD 88)

	MLLW	NAVD 88
MHHW	4.77	2.08
MHW	4.38	1.69
MLW	0.16	-2.53
MLLW	0.00	-2.69

I HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "B" SURVEY AS SPECIFIED THEREIN; ALSO THERE ARE NO VISIBLE ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN.



J. JASON COX  
SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR  
LICENSE NO. 26950

TOPOGRAPHIC SURVEY OF  
SHEET 2 OF 2  
A PORTION OF  
GARDEN CITY BEACH  
SITE 4

PREPARED FOR  
GEORGETOWN COUNTY  
GARDEN CITY BEACH

GEORGETOWN COUNTY SOUTH CAROLINA  
20 0 10 20 40

SCALE: 1 INCH = 20 FEET  
SURVEYED & MAPPED BY

COX SURVEYORS & ASSOCIATES  
A LIMITED LIABILITY COMPANY

4325 DICK POND ROAD, SUITE A  
MYRTLE BEACH, SC 29588 (843) 650-1500  
coxsurveyors @ sccoast.net

DRAWN BY VGB FIELD DATE 03/27/2019  
REVIEWED JJC PLAT DATE 03/27/2019  
CREW CHIEF CTB FIELD BOOK CS-1323

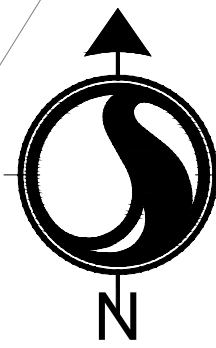


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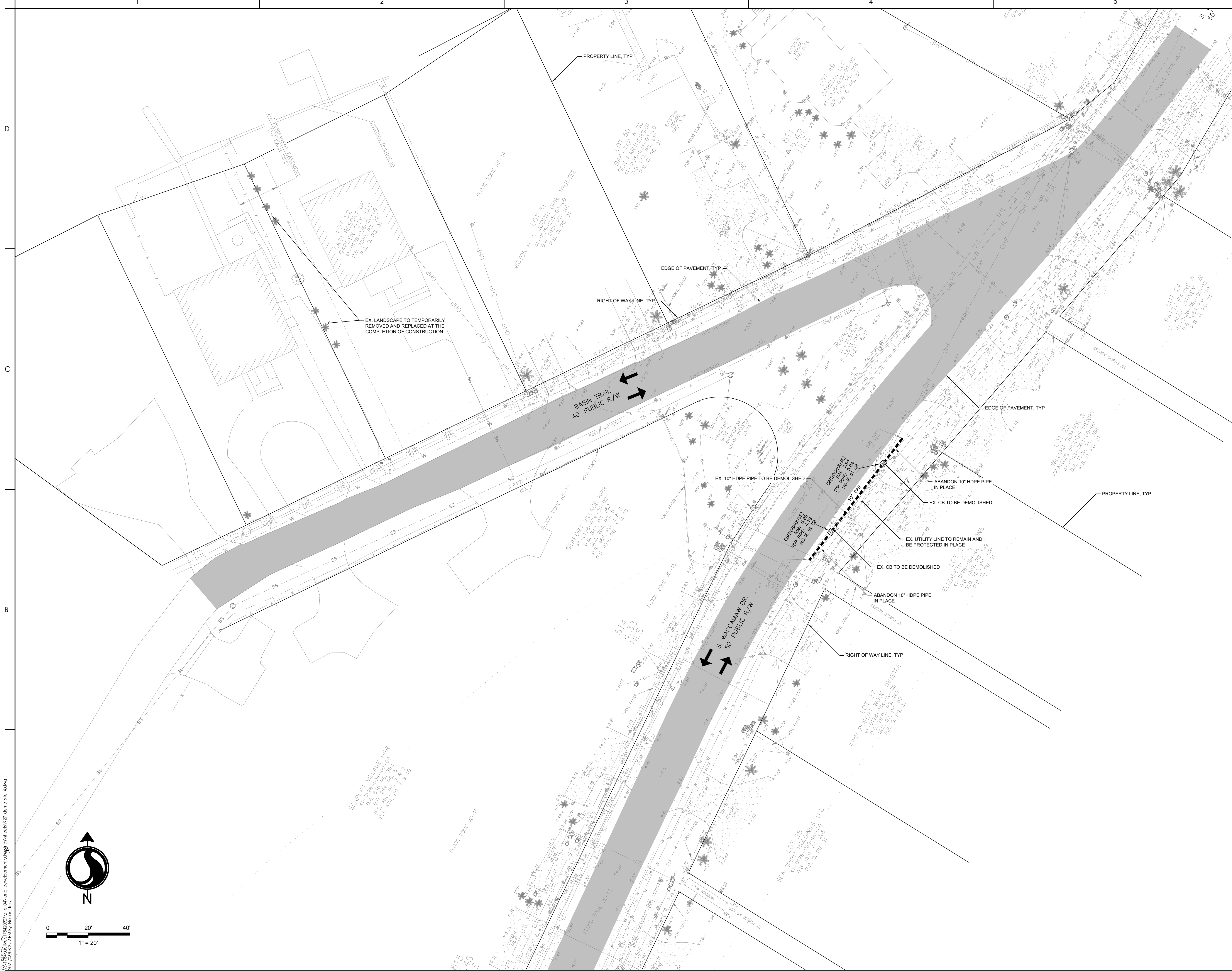
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C

B



0 20' 40'  
1" = 20'



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North Charleston, SC. 29418  
Tel: 843.740.7700  
www.stantec.com

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Consultant

Legend

Revision

FOR PERMIT REVIEW  
Issued  
File Name: 178420927\_demo\_site\_4



Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

SITE 4 DEMOLITION PLAN

Project No. 178420927  
Revision  
Sheet 18 of 62  
Scale  
Drawing No. C3.20





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#### Consultant

#### Legend

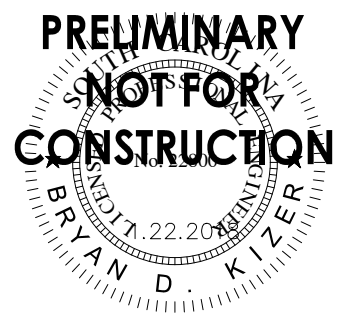
- (PS) PERMANENT STABILIZATION (SEE LANDSCAPE PLANS)
- (TS) TEMPORARY SEEDING
- (M) MULCHING
- (DC) DUST CONTROL
- LD LIMITS OF DISTURBANCE
- SF LIMITS OF DISTURBANCE AND SILT FENCE
- OSF LIMITS OF DISTURBANCE
- Tree Protection Tree Protection
- SF SILT FENCE
- ST SEDIMENT TUBE
- A TYPE A INLET PROTECTION
- F FILTER BAG
- CW CONCRETE WASHOUT

1. STORM DRAINAGE REVISION	TN	BK	20201110
Revision	By	Appd	YYYY.MM.DD

FOR PERMIT REVIEW	By	Appd	YYYY.MM.DD
Issued			

File Name: 927_ESC_SITE_04	SGC	SGC	BK
	Dwn.	Dsgn.	Chkd.
			YYYY.MM.DD

#### Permit/Seal



#### Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

#### SITE 4 EROSION CONTROL PLAN

Project No.	Scale
178420927	
Revision	Sheet
	19 of 62
	Drawing No.
	C3.30

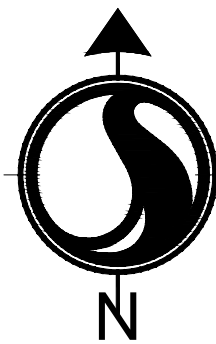
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C

B

EXISTING UTILITY SERVICES SHOWN ARE APPROXIMATE ONLY AND DO NOT NECESSARILY REPRESENT ALL SERVICES PRESENT. NO EXCAVATION OR ELECTRONIC DETECTION METHODS WERE USED. STANTEC CONSULTING, INC. DOES NOT WARRANT THE LOCATION, EXISTENCE OR PROPERTIES OF ANY UNDERGROUND UTILITY WITHOUT EXCAVATION AND FIELD VERIFICATION. CONTRACTOR SHALL VERIFY EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES WITHIN WORK AREAS PRIOR TO BEGINNING EXCAVATION. CONTRACTOR SHALL CONTACT ENGINEER AND RESPECTIVE UTILITY PROVIDER AND OBTAIN APPROVAL PRIOR TO ANY REQUIRED UTILITY RELOCATIONS AND / OR ADJUSTMENTS.

NOTICE - ALL EXISTING UTILITY POLES ARE TO REMAIN IN PLACE BUT MAY NEED TO BE TEMPORARILY RELOCATED, OR SHORED UP DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER.



0 20' 40'  
1" = 20'



Know what's below.  
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2021/06/08 2:52 PM By: Nelson, Trey

CORRECTION SHEET: 000000



NOTE

1. CONTRACTOR IS TO REPLACE ALL DISPLACED AND DISTURBED LANDSCAPING.

INLINE CHECKVALVE INSTALLATION NOTES:

1. PRODUCT SHIPPING  
VALVE SIZES 2" - 18" ARE FURNISHED WITH ONE CLAMP. VALVES 20" - 60" SHIP WITH TWO CLAMPS. 72" VALVES SHIP WITH THREE CLAMPS.  
NOTE: A CLAMP IS INSTALLED ON EACH END OF THE VALVE TO KEEP THE VALVES SHAPE DURING TRANSIT AND STORAGE. ONCE THE INSTALLATION ORIENTATION IS DETERMINED THE CHECKMATE® VALVE WILL BE CLAMPED FROM EITHER THE UPSTREAM OR DOWNSTREAM SIDE. FOR VALVES WITH TWO OR THREE CLAMPS, THEY CAN BE INSTALLED ONTO THE SAME SIDE OF THE VALVE AND OFFSET FROM EACH OTHER.
2. UNPACKING & LIFTING  
DO NOT USE SHARP TOOLS WHEN UNPACKING THIS PRODUCT AS IT MAY DAMAGE THE VALVE. FOR LARGER CHECKMATE® VALVES, THE VALVE SHOULD BE LIFTED WITH EITHER A SLING OR WITH SUPPORTS AROUND THE O.D. AT EACH SIDE OF THE VALVE TO EASE THE INSTALLATION PROCEDURE. DO NOT PLACE AN OBJECT THROUGH THE VALVE IN ORDER TO LIFT.
3. INSPECTION OF PIPE I.D.  
CHECK THE INSIDE DIAMETER (I.D.) OF THE PIPE SECTION FOR ROUGH OR DAMAGED AREAS. THE INSIDE SURFACE SHOULD BE UNIFORM AND RELATIVELY SMOOTH. LONG GOUGES OR CRACKS IN THE PIPE MAY ALLOW WATER TO PASS AND SHOULD BE FILLED PRIOR TO INSTALLATION. DO NOT ATTEMPT TO INSTALL A CHECKMATE® IN A SMALLER PIPE I.D.
4. PIPE I.D. MEASUREMENTS  
THE PIPE I.D. IS TO BE CHECKED IN THE FIELD. IT SHOULD BE A CONSISTENT DIAMETER FOR THE LENGTH OF VALVE AND SHOULD NOT BE OUT OF ROUND. WHEN THERE IS A +/- TOLERANCE ON THE PIPE I.D., THE CHECKMATE® VALVE SHOULD BE ORDERED TO THE SMALLEST PIPE I.D. THEN, RUBBER ADHESIVE STRIP CAN BE APPLIED TO BOTH CHECKMATE® CUFFS TO BUILD THE CUFF O.D. UP TO THE ACTUAL PIPE I.D.
5. RUBBER ADHESIVE STRIP BUILD UP  
WHEN VALVE O.D. IS SMALLER THAN THE PIPE I.D., ONE-SIDED RUBBER ADHESIVE STRIP IS USED TO BUILD UP THE O.D. OF BOTH CHECKMATE® CUFFS TO THE ACTUAL PIPE I.D.
6. PREPARATION  
THE CHECKMATE® VALVE USES EXPANDING CLAMP(S) TO EXERT PRESSURE OUTWARDS ON THE WALLS OF THE VALVE TO WEDGE IT IN PLACE WITHIN THE PIPE. THE WALLS OF THE PIPE SHOULD BE CLEAN AND FREE OF DEBRIS PRIOR TO INSTALLATION. THE VALVE SHOULD BE INSERTED FULLY INTO THE PIPE SO THAT NO PART OF THE CUFF OR BILL EXTENDS OUTSIDE THE PIPE. ENSURE THAT THE VALVE IS NOT SLANTED AT AN ANGLE WITH THE BILL POINTING UPWARDS OR DOWNWARDS. THE VALVE CENTERLINE SHOULD BE PARALLEL TO THE PIPE CENTERLINE. TIDEFLEX® TECHNOLOGIES RECOMMENDS PINNING THE CHECKMATE® VALVE ON ALL INSTALLATIONS. SEE BELOW. FOUR PRE-DRILLED HOLES ARE PROVIDED IN EACH EXPANSION CLAMP. AT LEAST ONE CLAMP SHOULD BE PINNED. ON EXPOSED PIPE, HOLES CAN BE DRILLED THROUGH THE VALVE AND PIPE, AND A BOLT RUN THROUGH SECURED WITH A NUT. FOR BURIED PIPE, SILICON OR SIMILAR SEALANT SHOULD BE USED TO SEAL BOLTS.

INLINE CHECKVALVE NOTES:

1. INLINE CHECK VALVE SHALL BE RED VALVE 18" CHECKMATE MODEL CM/CB/UF-180. THERE IS NO APPROVED EQUAL OR SUBSTITUTE.
2. CONTRACTOR SHALL INSTALL CHECK VALVE ACCORDING TO MANUFACTURERS SPECIFICATIONS AND INSTALLATION PROCEDURES.
3. CONTRACTOR SHALL NOTIFY MANUFACTURER OF INSTALLATION BEFORE CONSTRUCTION BEGINS.
4. RED VALVE CONTACT: ALEX GORDON | 412-848-1720 | AGORDON@REDVALVE.COM

SEALANT SHOULD BE USED TO SEAL BOLTS.

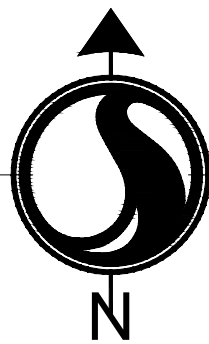
7. LUBRICATION  
THE OUTSIDE OF THE VALVE CAN BE LUBRICATED WITH A WATER-BASED LUBRICANT PRIOR TO INSERTING THE VALVE INTO THE PIPE. IF THE TAPING PROCEDURE HAS BEEN USED, THE SURFACE OF THE TAPE CAN BE LUBRICATE TO AID INSERTION.
8. PLUMB LINES AND ARROWS  
THE CHECKMATE® VALVE ARRIVES WITH A "TOP" ARROW. "FLOW" ARROW AND PLUMB LINES. MARKED IN WHITE. AT THE 12:00 AND 6:00 POSITION OF THE VALVE. UTILIZE THIS MARKING TO ORIENT THE VALVE IN THE PIPE, AS WELL AS TO ENSURE THE VALVE IS ORIENTED CORRECTLY IN PIPE SECTION.
9. VALVE ORIENTATION  
THE CHECKMATE® VALVE MUST BE INSTALLED IN A HORIZONTAL PIPE. VALVES 4" - 18" (NOMINAL) ARE SUPPLIED WITH A SINGLE CLAMP. THE CLAMP TURNBUCKLE SHOULD BE ORIENTED AT TOP DEAD CENTER AS DELINEATED BY THE PLUMB LINE. VALVES 20" - 60" (NOMINAL) ARE SUPPLIED WITH TWO CLAMPS. THE TURNBUCKLES SHOULD BE ORIENTED 45° FROM THE TOP CENTER PLUMB LINE. THE 72" IS SUPPLIED WITH THREE CLAMPS. THE TURNBUCKLE FOR ONE CLAMP TO BE AT TOP CENTER. THE OTHER CLAMPS TO BE 45° TO EACH SIDE OF TOP CENTER.
10. INSERTION INTO PIPE  
CLAMP TO SUPPORT THE SHAPE OF THE CUFF SHOULD BE HAND TIGHT AND SHOULD BE EXTENDED OUTWARD, BUT ONLY TIGHT ENOUGH TO LOOSELY KEEP THE SHAPE OF THE CUFF DURING INSTALLATION.
11. PALLET PUSH FOR LARGER CHECKMATE® VALVES  
LARGER CHECKMATE® VALVES CAN BE PUSHED INTO THE PIPE UTILIZING THE SHIPPING PALLET. THE PALLET SHOULD BE PLACED PERPENDICULAR TO THE VALVE BEING INSERTED INTO THE PIPE. THEN, WITH ASSISTANCE FROM AN EXCAVATOR, PUSH WITH CONSISTENT EVEN FORCE AGAINST THE SHIPPING PALLET TO INSERT THE CHECKMATE® VALVE INTO THE PIPE. SEE THE IMAGE TO THE RIGHT FOR THE SUGGESTED POSITIONING AND USAGE OF THE EXCAVATOR'S SHOVEL ASSISTANCE FOR LARGER-SIZED CHECKMATE® VALVES. CLAMPS MUST BE INSTALLED TO PREVENT DAMAGE TO CUFF.
12. CORRUGATED PIPE AND SMOOTH WALL (PVC, HDPE) PIPE INSTALLATION  
FOR INSTALLATION ON CORRUGATED PIPE, IT IS RECOMMENDED THAT THE CORRUGATIONS BE FILLED WITH HYDRAULIC CEMENT (OR SIMILAR MATERIAL) THAT WILL PROVIDE A SMOOTH I.D. FOR SMOOTH WALL PIPE, IT IS RECOMMENDED THAT THE VALVE BE PINNED.
13. FLANGED VALVE BOLT TORQUES  
THE VALVE END WITH THE RUBBER FLANGE SHALL BE INSTALLED USING THE BACKUP RINGS PROVIDED. THE SLEEVE SPLIT SHOULD BE INSTALLED FACING DOWNSTREAM. WITH THE SPLIT IN THE VERTICAL POSITION. THE INSTALLATION BOLT TORQUE ON THE END FLANGE BOLTS ARE LISTED IN THE MANUFACTURERS INSTALLATION PROCEDURES.

INLINE CHECKVALVE MAINTENANCE NOTES:

1. INSPECTION  
VALVES SHOULD OCCASIONALLY BE INSPECTED FOR DAMAGE, WEAR, AND BUILDUP OF DEBRIS. THE FREQUENCY OF THE INSPECTIONS SHOULD BE DETERMINED BY THE SEVERITY OF THE SERVICE AND THE ENVIRONMENT IN WHICH IT OPERATES. THE CLAMPS SHOULD BE CHECKED FOR PROPER TENSION, AND BE SURE THAT THE INSIDE OF THE VALVE IS FREE OF DEBRIS. SOFT MARINE GROWTH IS NORMAL ON VALVES IN SUBMERGED APPLICATIONS. BECAUSE HARD MARINE GROWTH SUCH AS BARNACLES WILL NOT BOND WELL TO THE CHECKMATE®, THEY CAN BE EASILY REMOVED. ALSO INSERT PINS TO ENSURE THEY ARE TIGHT.

INLINE CHECKVALVE STORAGE NOTES:

1. IF YOUR CHECKMATE® IS TO BE STORED FOR A PERIOD OF TIME PRIOR TO INSTALLATION, THE FOLLOWING STORAGE GUIDELINES WILL HELP TO PRESERVE THE VALVE AND ASSURE A TROUBLE-FREE INSTALLATION.
  - 1.1. STORE IN A CLEAN, COOL, DRY LOCATION. AVOID EXPOSURE TO LIGHT, ELECTRIC MOTORS, DIRT, OR CHEMICALS.
  - 1.2. STORE VALVE VERTICALLY ON FLOOR OR PALLET.
  - 1.3. STORE VALVE TO PREVENT OTHER ITEMS FROM CONTACTING CHECK SLEEVE TO PREVENT POSSIBLE DAMAGE.
  - 1.4. STORE THIS MANUAL WITH THE VALVE, SO THAT IT IS READILY AVAILABLE AT TIME OF INSTALLATION.



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Legend

- LD LIMITS OF DISTURBANCE
- 15 EXISTING CONTOURS
- 29 PROPOSED CONTOUR
- SF SILT FENCE
- DSF DOUBLE ROW SILT FENCE
- MILL AND OVERLAY
- DR DRAINAGE FLOW ARROW
- 16.50 SPOT ELEVATION

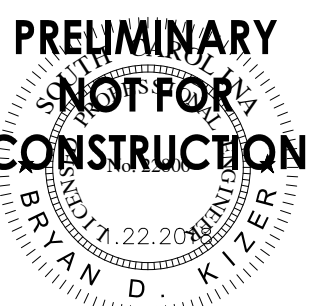
FG - FINISHED GRADE ELEVATION  
CB - CATCH BASIN (SCDOT STANDARD DETAIL 719-110-01)  
JB - JUNCTION BOX (SCDOT STANDARD DETAIL 719-110-02)

1. STORM DRAINAGE REVISION	TN	BK	20201110
Revision	By	Appd	YYYY.MM.DD

FOR PERMIT REVIEW	By	Appd	YYYY.MM.DD
Issued			

File Name: 927_GRADING_SITE_04	SGC	SGC	BK
Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal



Client/Project Logo

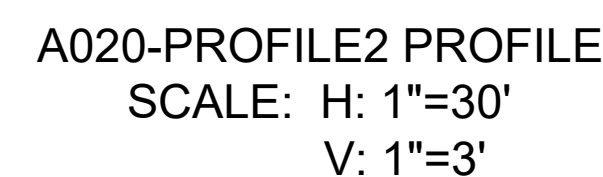
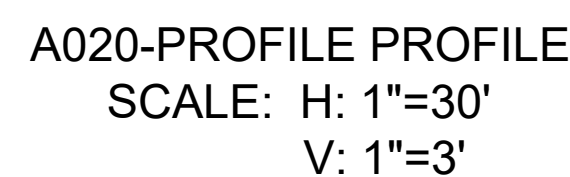
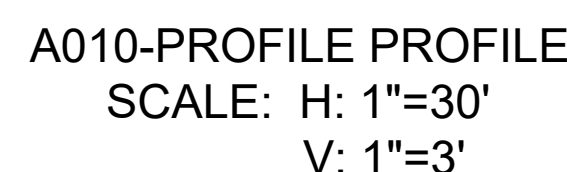
Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

SITE 4 GRADING AND DRAINAGE PLAN

Project No. 178420927	Scale C3.40
Revision 20 of 62	Sheet Drawing No.





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Project No. 178420927	Scale
Revision Sheet 21 of 62	Drawing No. C341



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1. STORM DRAINAGE REVISION	TN	BK	20201110
Revision	By	Appd	YYYY.MM.DD


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File Name: 927\_SITE\_4\_TRAFFIC

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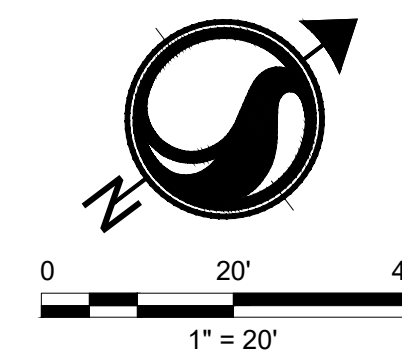
Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

## SITE 4 TRAFFIC CONTROL PLAN

Project No. 178420927	Scale
Revision Sheet 22 of 62	Drawing No. C3.50



CONSTRUCTION NOTES

- |     |   |
|-----|---|
| 1.  | PORTABLE PLASTIC DRUMS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWING NUMBER 601-005-00 AND AS DIRECTED BY THE PLANS. |
| 2.  | CONSTRUCTION OF THIS PROJECT REFERENCES THE FOLLOWING SCDOT STANDARD DRAWINGS:  |
| 2.1 | 601-005-00 WIDEN EXISTING ROADWAY CONSTRUCTION PRIMARY ROUTES   |
| 2.2 | 605-005-01 CONSTRUCTION SIGNING GROUND MOUNTED ASSEMBLY U CHANNEL POSTS - BREAKAWAY INSTALLATION                              |
| 2.3 | 605-010-02 CONSTRUCTION SIGNING PERMANENT PRIMARY ROUTES  |
| 2.4 | 605-025-01 CONSTRUCTION SIGNING SPECIAL SIGNS LET 'EM WORK LET 'EM LIVE   |
| 2.5 | 605-030-02 CONSTRUCTION SIGNING "ROAD WORK" SIGNS "END ROAD WORK"   |
| 2.6 | 605-035-00 CLOSURE NIGHT TIME URBAN LOW SPEED ROADWAY   |
| 2.7 | 610-205-00 RIGHT SHOULDER CLOSURE (CASE I/CASE II) PRIMARY ROUTES   |

CONSTRUCTION SEQUENCE:

1. INSTALL PERMANENT CONSTRUCTION SIGNS.
2. INSTALL PORTABLE PLASTIC DRUMS.
3. MAINTAIN MINIMUM ONE LANE OF TRAFFIC IN EACH DIRECTION ON EXISTING LANES, UTILIZING FLAGMEN.
4. CONSTRUCT SHADED PORTION OF MILL AND OVERLAY AS SHOWN.

INSTALL PERMANENT  
CONSTRUCTION SIGNING PER  
SCDOT STD. DWG. 605-010-02  
SCHEME F

— INSTALL PORTABLE  
PLASTIC DRUMS PER  
SCDOT STD. DWG.  
601-005-00

INSTALL PERMANENT  
CONSTRUCTION SIGNING PER  
SCDOT STD. DWG. 605-010-02  
SCHEME E

INSTALL PORTABLE  
PLASTIC DRUMS PER  
SCDOT STD. DWG.  
601-005-00

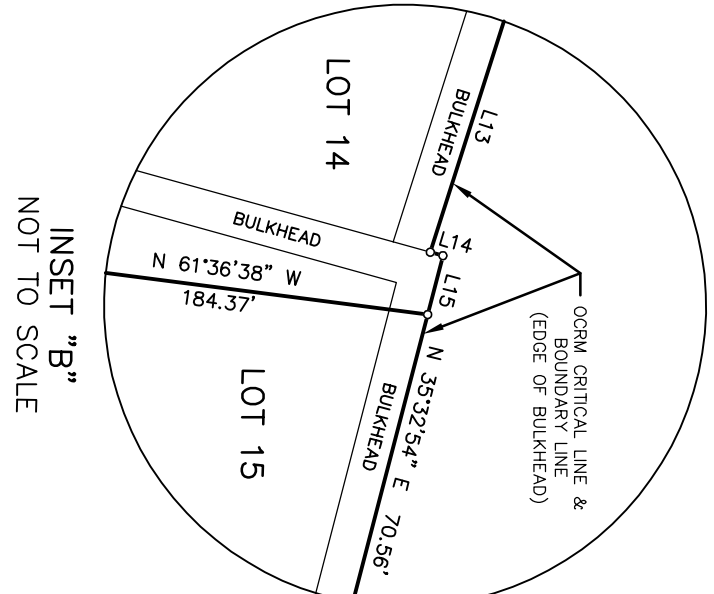
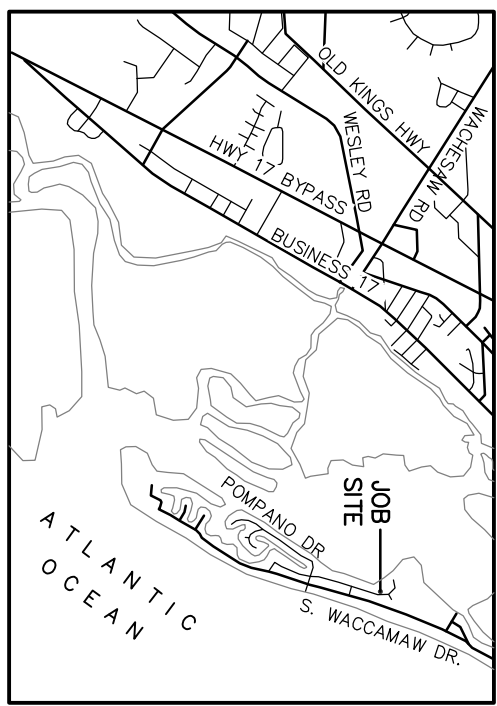
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ORIGINAL SHEET ASSIGNED









INSET "B"  
NOT TO SCALE

LOT 248  
D. LAWRENCE  
MCINTOSH  
41-0130-020-02-00  
D.B. 2284, PG. 286  
P.B. S, PG. 016

MATCH SHEET 1  
MATCH SHEET 2

LOT 249  
DANNY W. & MARTHA J.  
SMITH  
41-0130-020-041-00  
D.B. 2284, PG. 286  
P.B. S, PG. 016

LOT 13  
ROBERT L. BELLAMY, JR., TRUSTEE  
WILLIAM J. BELLAMY  
41-0130-020-40-00  
D.B. 2807, PG. 176  
P.B. S, PG. 067

LOT 14  
CALHOUNS INC.  
41-0130-020-39-00  
D.B. 2284, PG. 286  
P.B. S, PG. 033

LOT 15  
MY BOUT TIME, LLC  
41-0130-020-38-00  
D.B. 2284, PG. 286  
P.B. S, PG. 067

LOT 16  
MATTHEW N. TYLER  
41-0130-020-37-00  
D.B. 2804, PG. 187  
D.B. 2804, PG. 186 (PLAT)

LOT 101  
RODNEY B. &  
CHRISTINE L. ROGERS  
41-0130-020-01-00  
D.B. 1991, PG. 348  
P.B. 14, PG. 148

LOT 100  
CATHERINE C. KIRBY &  
MARY LEE ANDREWS  
41-0130-027-00-00  
D.B. 1539, PG. 159  
P.B. S, PG. 097

LOT 99  
BENCHMARK REAL ESTATE LLC  
41-0130-026-00-00  
D.B. 2522, PG. 347  
P.B. S, PG. 067

LOT 98  
DR. C. BROOKS BANNISTER  
41-0130-020-03-00  
D.B. 211, PG. 1469  
P.B. S, PG. 067

LOT 97  
NIKARVARI FAMILY TRUST  
41-0130-024-00-00  
D.B. 2424, PG. 143  
P.B. S, PG. 067

LOT 10  
THOMAS D. PALE &  
JOANNE R. PALE  
41-0130-020-02-00  
D.B. 2245, PG. 346  
P.B. R, PG. 034

LOT 9  
CHRISTINE & JIM D.  
PAPELKA  
41-0130-020-01-00  
D.B. 2873, PG. 306  
P.B. A, PG. 103  
P.B. Q, PG. 103

LOT 8  
JEAN & ROZALUA ROZIN  
41-0130-019-00-00  
D.B. 2163, PG. 165  
P.B. 17, PG. 075

LOT 7  
HARRIS E. & LOUISE H.  
DELOACH JR.  
41-0130-020-03-00  
D.B. 135, PG. 462  
P.B. S, PG. 067

NOTES:  
1. TAX MAP NO. AS SHOWN.  
2. IT IS A VAY GRANT THAT THE PROPERTY SHOWN ON THIS PLAT IS  
3. RATE MAP 40085 0167 E DATED OCTOBER 16, 1992 & IS SUBJECT TO  
4. VARIATION BY THE COUNTY RECORDS, PLAT MAPS, / TMA, OTHER  
5. SAID LOTS ARE APPROXIMATELY SHOWN ON THE SURVEY ARE BASED  
6. ON SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM NAD83(2011)  
7. DISTANCES AND COORDINATES SHOWN ARE GROUND LEVEL DISTANCES.  
8. DISTANCES, MULTIPLY BY COMBINED SCALE FACTOR OF 0.9997992 AND  
9. STATE PLANE COORDINATES OBTAINED FROM OSCAR MON. 2415 1987  
10. THE PROPERTY PLATTED HEREON IS SUBJECT TO ALL EASEMENTS AND  
11. REFERENCE AS SHOWN.  
12. SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR  
13. CONDUCTED BY THE SURVEYOR.  
14. CONVEYANCES THAT MAY AFFECT THE USE OF THIS PARCELED  
15. STATES OR STATE AGENCY SURVEY SYSTEMS LOCATED WITHIN 2000  
16. THIS SURVEY IS VALID ONLY IF THE PRINT OF SAME HAS THE ORIGINAL  
17. SIGNATURE AND EMBOSSED SEAL OF THE LAND SURVEYOR.  
18. ALL ELEVATIONS BASED ON NAVD 88 DATUM PER MONUMENT "MA  
19. NO. 2 1987, ELEVATION: 7.87"

LEGEND:  
● IRON PEG FOUND  
● IRON REBAR FOUND  
● BOUNDARY POINT  
▲ EXISTING ELEVATION  
D.B. DEED BOOK  
P.B. PLAT BOOK  
PG. PAGE  
ELECTRIC BOX  
UTILITY POLE  
GUY WIRE  
AIR CONDITIONER  
CABLE FEDESTAL  
TELEPHONE FEDESTAL  
WATER LEAK-OUT  
WATER VALVE  
VALVE MARKER  
WATER METER  
FIRE HYDRANT  
OVERHEAD UTILITY LINE  
UNDERGROUND UTILITY LINE (APPROX.)  
-CHP-  
-LTP-  
-W-  
-X-

NOTE:  
A POTENTIAL WATERLINE IS SHOWN BETWEEN  
POINTS (D) (SHEET 1) & (E) (SHEET 2).  
THE RESULTS OF THIS SURVEY ARE BASED ON  
FIELD MARKINGS PROVIDED AT THE TIME OF  
THIS SURVEY.

SHEET 2 OF 2  
TOPOGRAPHIC SURVEY OF  
A PORTION OF  
INLET POINT  
GARDEN CITY BEACH  
SITE 5  
PREPARED FOR  
GEORGETOWN COUNTY  
GARDEN CITY BEACH  
SOUTH CAROLINA

COX SURVEYORS & ASSOCIATES  
A LIMITED LIABILITY COMPANY  
4325 DICK POND ROAD, SUITE A  
MYRTLE BEACH, SC 29588 (843) 650-1500  
WWW.COXSURVEYORS.COM  
DRAWN BY: VGB  
REVIEWED: JCB  
PLAT DATE: 11/17/2018  
FIELD DATE: 05-13-23

SCALE: 1" = 20 FEET  
SURVEYED & MAPPED BY  
COX SURVEYORS & ASSOCIATES

1. HEREBY STATE THAT TO THE BEST OF MY  
PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF,  
THE SURVEY SHOWN HEREIN WAS MADE IN THE  
STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN  
SOUTH CAROLINA, AND MEETS OR EXCEEDS THE  
REQUIREMENTS FOR A CLASS "B" SURVEY AS  
ESTABLISHED BY THE SOUTH CAROLINA BOARD OF  
SURVEYORS OR PROJECTIONS OTHER THAN  
SHOWN.

J. JASON COX  
SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR  
LICENSE NO. 45909

COX SURVEYORS & ASSOCIATES  
A LIMITED LIABILITY COMPANY  
4325 DICK POND ROAD, SUITE A  
MYRTLE BEACH, SC 29588 (843) 650-1500  
WWW.COXSURVEYORS.COM  
DRAWN BY: VGB  
REVIEWED: JCB  
PLAT DATE: 11/17/2018  
FIELD DATE: 05-13-23





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Tel: 843.740.7700  
www.stantec.com

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#### Consultant

#### Legend

- |      |  |
|------|--|
| (PS) | PERMANENT STABILIZATION<br>(SEE LANDSCAPE PLANS) |
| (TS) | TEMPORARY SEEDING                                |
| (M)  | MULCHING   |
| (DC) | DUST CONTROL                                     |
| LD   | LIMITS OF DISTURBANCE                            |
| TP   | TREE PROTECTION                                  |
| SF   | SILT FENCE                                       |
| ST   | SEDIMENT TUBE                                    |
| X    | TREE DEMOLITION                                  |
| A    | TYPE A INLET PROTECTION                          |
| →    | DRAINAGE FLOW ARROW                              |

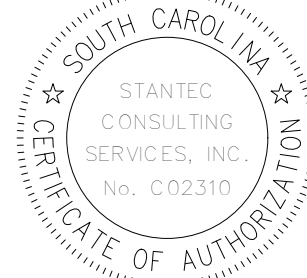
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PER GEORGETOWN COUNTY COMMENTS	SGC	BK	2019.10.30
PER GEORGETOWN COUNTY COMMENTS	SGC	BK	2019.01.22

Issued	By	Appd	YYYY.MM.DD
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File Name: C2_BSC	SGC	SGC	BK	2018.12.11
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

#### Permit/Seal



FOR BIDDING



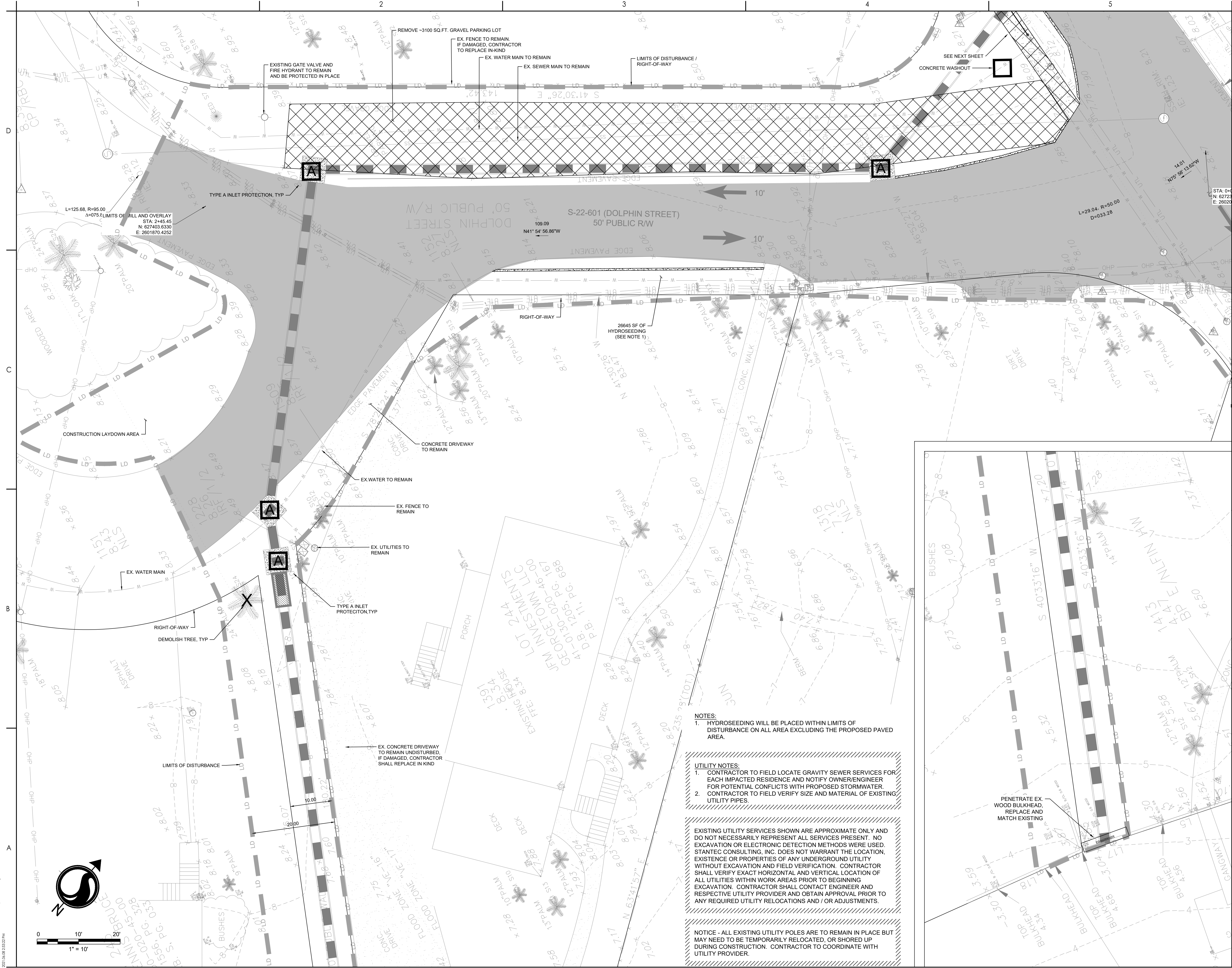
#### Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2-7

MURRELLS INLET, SOUTH CAROLINA

Title  
DEMOLITION AND EROSION CONTROL PLAN

Project No. 178420916	Scale
Revision Sheet 6 of 62	Drawing No. C2-00



NOTES:  
1. HYDROSEEDING WILL BE PLACED WITHIN LIMITS OF DISTURBANCE ON ALL AREA EXCLUDING THE PROPOSED PAVED AREA.

UTILITY NOTES:  
1. CONTRACTOR TO FIELD LOCATE GRAVITY SEWER SERVICES FOR EACH IMPACTED RESIDENCE AND NOTIFY OWNER/ENGINEER FOR POTENTIAL CONFLICTS WITH PROPOSED STORMWATER EXCAVATION. CONTRACTOR SHALL CONTACT ENGINEER AND RESPECTIVE UTILITY PROVIDER AND OBTAIN APPROVAL PRIOR TO ANY REQUIRED UTILITY RELOCATIONS AND / OR ADJUSTMENTS.

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NOTICE - ALL EXISTING UTILITY POLES ARE TO REMAIN IN PLACE BUT MAY NEED TO BE TEMPORARILY RELOCATED, OR SHORED UP DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER.





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Consultant

Legend

- (PS) PERMANENT STABILIZATION (SEE LANDSCAPE PLANS)
- (TS) TEMPORARY SEEDING
- (M) MULCHING
- (DC) DUST CONTROL
- LD LIMITS OF DISTURBANCE
- TP TREE PROTECTION
- SF SILT FENCE
- ST SEDIMENT TUBE
- X TREE DEMOLITION
- A TYPE A INLET PROTECTION
- > DRAINAGE FLOW ARROW

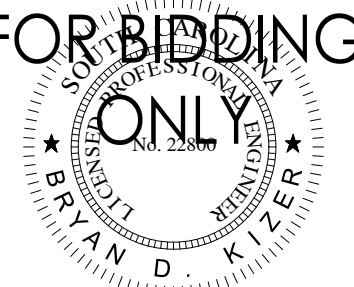
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BID SET	AB	BK	2020.03.26
PER GEORGETOWN COUNTY COMMENTS	SGC	BK	2019.10.30
PER GEORGETOWN COUNTY COMMENTS	SGC	BK	2019.01.22

Issued

File Name: C2_BSC	SGC	SGC	BK	2018.12.11
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal



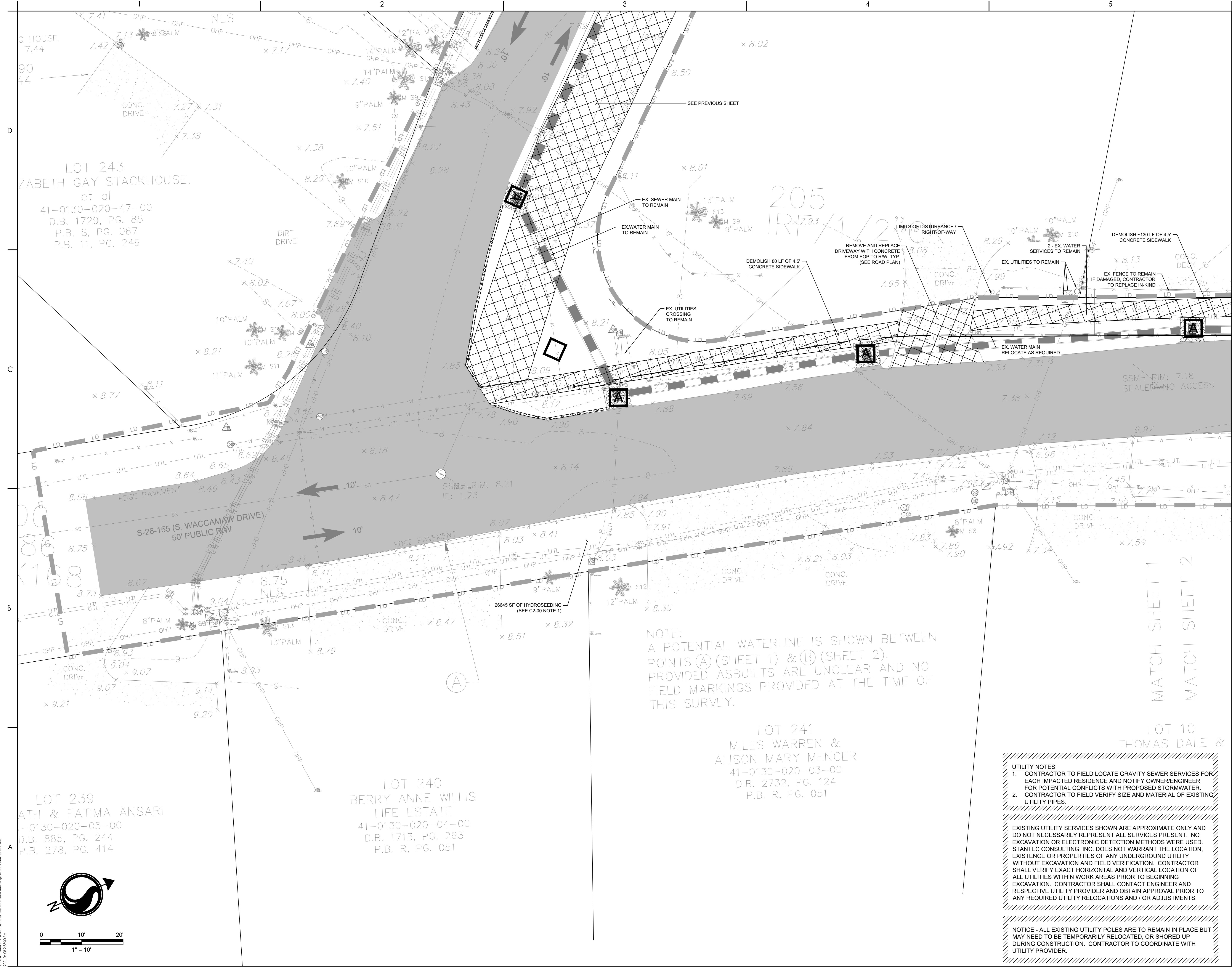
Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2-7

MURRELLS INLET, SOUTH CAROLINA

Title  
DEMOLITION AND EROSION CONTROL PLAN

Project No. 178420916	Scale
Revision Sheet 7 of 62	Drawing No. C2-01

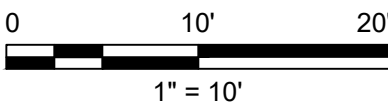
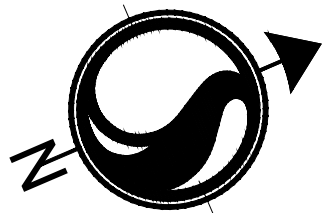


NOTE:  
A POTENTIAL WATERLINE IS SHOWN BETWEEN  
POINTS A (SHEET 1) & B (SHEET 2).  
PROVIDED ASBUILTS ARE UNCLEAR AND NO  
FIELD MARKINGS PROVIDED AT THE TIME OF  
THIS SURVEY.

LOT 241  
MILES WARREN &  
ALISON MARY MENCER  
41-0130-020-03-00  
D.B. 2732, PG. 124  
P.B. R, PG. 051

LOT 240  
BERRY ANNE WILLIS  
LIFE ESTATE  
41-0130-020-04-00  
D.B. 1713, PG. 263  
P.B. R, PG. 051

LOT 239  
ATH & FATIMA ANSARI  
-0130-020-05-00  
D.B. 885, PG. 244  
P.B. 278, PG. 414







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#### Consultant

#### Legend

- |      |  |
|------|--|
| (PS) | PERMANENT STABILIZATION<br>(SEE LANDSCAPE PLANS) |
| (TS) | TEMPORARY SEEDING                                |
| (M)  | MULCHING   |
| (DC) | DUST CONTROL                                     |
| LD   | LIMITS OF DISTURBANCE                            |
| TP   | TREE PROTECTION                                  |
| SF   | SILT FENCE                                       |
| ST   | SEDIMENT TUBE                                    |
| X    | TREE DEMOLITION                                  |
| A    | TYPE A INLET PROTECTION                          |
| ->   | DRAINAGE FLOW ARROW                              |

#### Revision

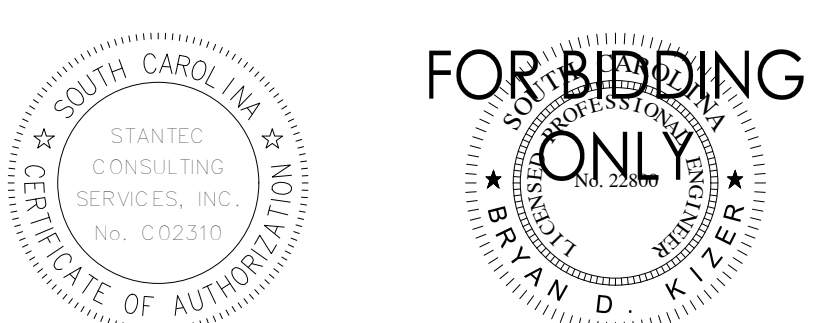
By	Appd	YYYY.MM.DD
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BID SET	AB	BK	2020.03.26
PER GEORGETOWN COUNTY COMMENTS	SGC	BK	2019.10.30
PER GEORGETOWN COUNTY COMMENTS	SGC	BK	2019.01.22

#### Issued

By	Appd	YYYY.MM.DD	
File Name: C2_BSC	SGC	BK	2018.12.11
Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

#### Permit/Seal



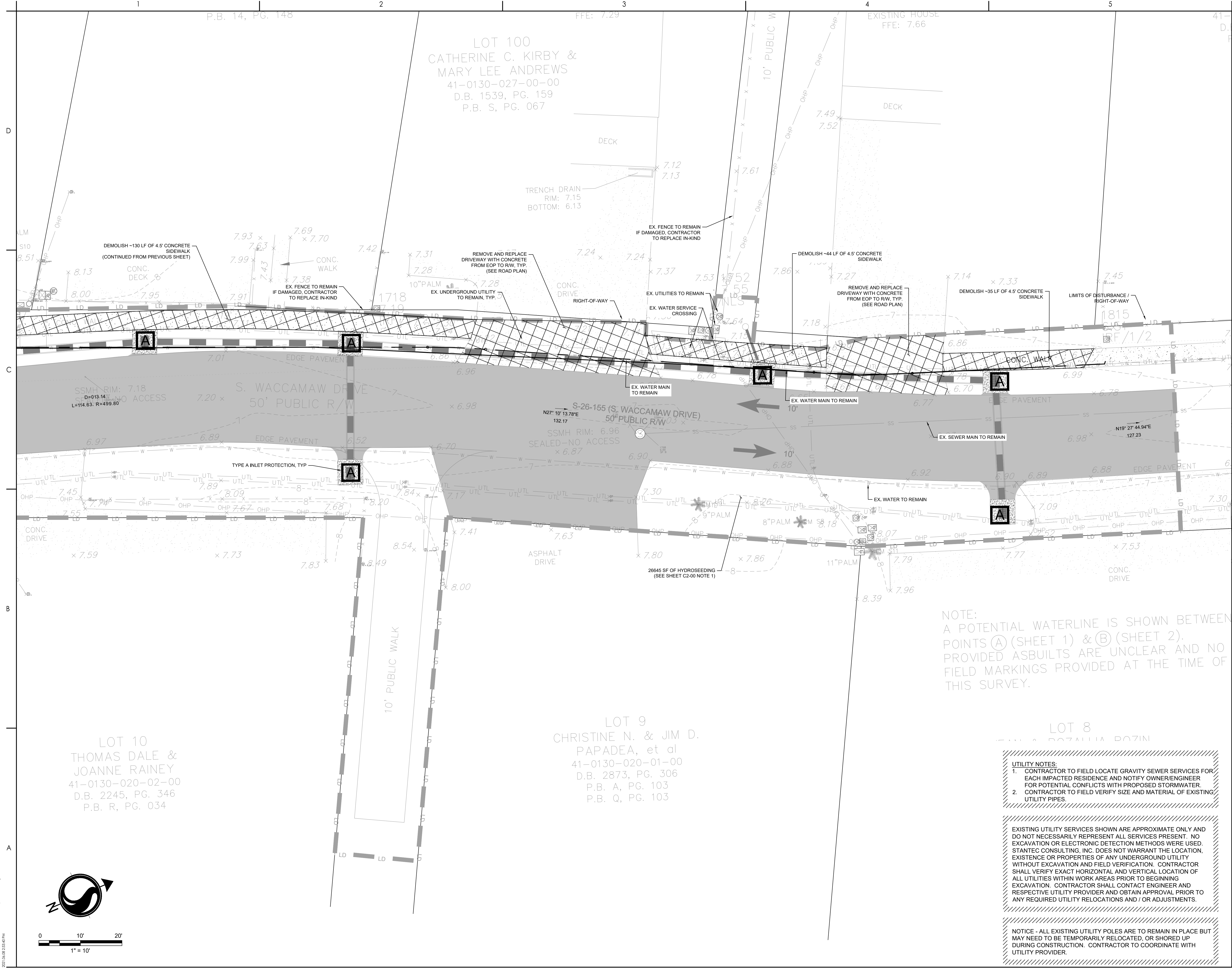
#### Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2-7

MURRELLS INLET, SOUTH CAROLINA

Title  
DEMOLITION AND EROSION CONTROL PLAN

Project No.	Scale
178420916	
Revision	Sheet
	8 of 62
Drawing No.	C2-02



NOTE:  
A POTENTIAL WATERLINE IS SHOWN BETWEEN  
POINTS A (SHEET 1) & B (SHEET 2).  
PROVIDED ASBULTS ARE UNCLEAR AND NO  
FIELD MARKINGS PROVIDED AT THE TIME OF  
THIS SURVEY.

LOT 8  
CHRISTINE N. & JIM D.  
PAPADEA, et al  
41-0130-020-01-00  
D.B. 2873, PG. 306  
P.B. A, PG. 103  
P.B. Q, PG. 103

UTILITY NOTES:  
1. CONTRACTOR TO FIELD LOCATE GRAVITY SEWER SERVICES FOR EACH IMPACTED RESIDENCE AND NOTIFY OWNER/ENGINEER FOR POTENTIAL CONFLICTS WITH PROPOSED STORMWATER  
2. CONTRACTOR TO FIELD VERIFY SIZE AND MATERIAL OF EXISTING UTILITY PIPES.

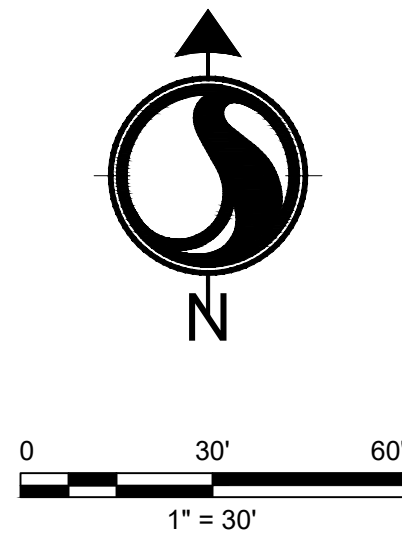
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NOTICE - ALL EXISTING UTILITY POLES ARE TO REMAIN IN PLACE BUT MAY NEED TO BE TEMPORARILY RELOCATED, OR SHORED UP DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER.



V:\17842091\17842091\Arch\Development\Drawings\Sheet\05\_C3\_914\_Grading  
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A  
B  
C  
D



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Legend

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BID SET	AB	BK	2020.03.26
PER GEORGETOWN COUNTY COMMENTS	SGC	BK	2019.10.30
PER GEORGETOWN COUNTY COMMENTS	SGC	BK	2019.01.22

Issued	By	Appd	YYYY.MM.DD
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File Name: C3_914_GRADING	SGC	SGC	BK	2018.12.11
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2-7

MURRELLS INLET, SOUTH CAROLINA

Title

SITE 5 OVERALL GRADING PLAN

Project No.	Scale
178420916	
Revision	Sheet
	28 of 62
Drawing No.	C4.30












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Legend

- |   |                       |
|---|-----------------------|
|  | LIMITS OF DISTURBANCE |
|  | EXISTING CONTOURS     |
|  | PROPOSED CONTOUR      |
|  | SILT FENCE            |
|  | DRAINAGE FLOW ARROW   |
|  | SPOT ELEVATION        |
|  | CONCRETE COLLAR       |

FG - FINISHED GRADE ELEVATION  
CB - CATCH BASIN (SCDOT STANDARD DETAIL 719-110-01)  
JB - JUNCTION BOX (SCDOT STANDARD DETAIL 719-110-02)  
EX - EXISTING GRADE  
LP - LOW POINT  
HP - HIGH POINT

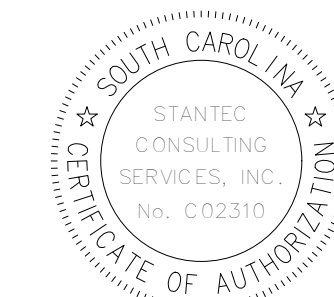
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BID SET	AB	BK	2020.03.26
PER GEORGETOWN COUNTY COMMENTS	SGC	BK	2019.10.30
PER GEORGETOWN COUNTY COMMENTS	SGC	BK	2019.01.22

PER GEORGETOWN COUNTY COMMENTS	VCC	GR	EXP/FILE
Issued	By	Appd	YYYY.MM.DD

File Name: C3_916_GRADING	SGC	SGC	BK	2018.12.11
	Dwn.	Dsn.	Chkd.	YYYY.MM.DD

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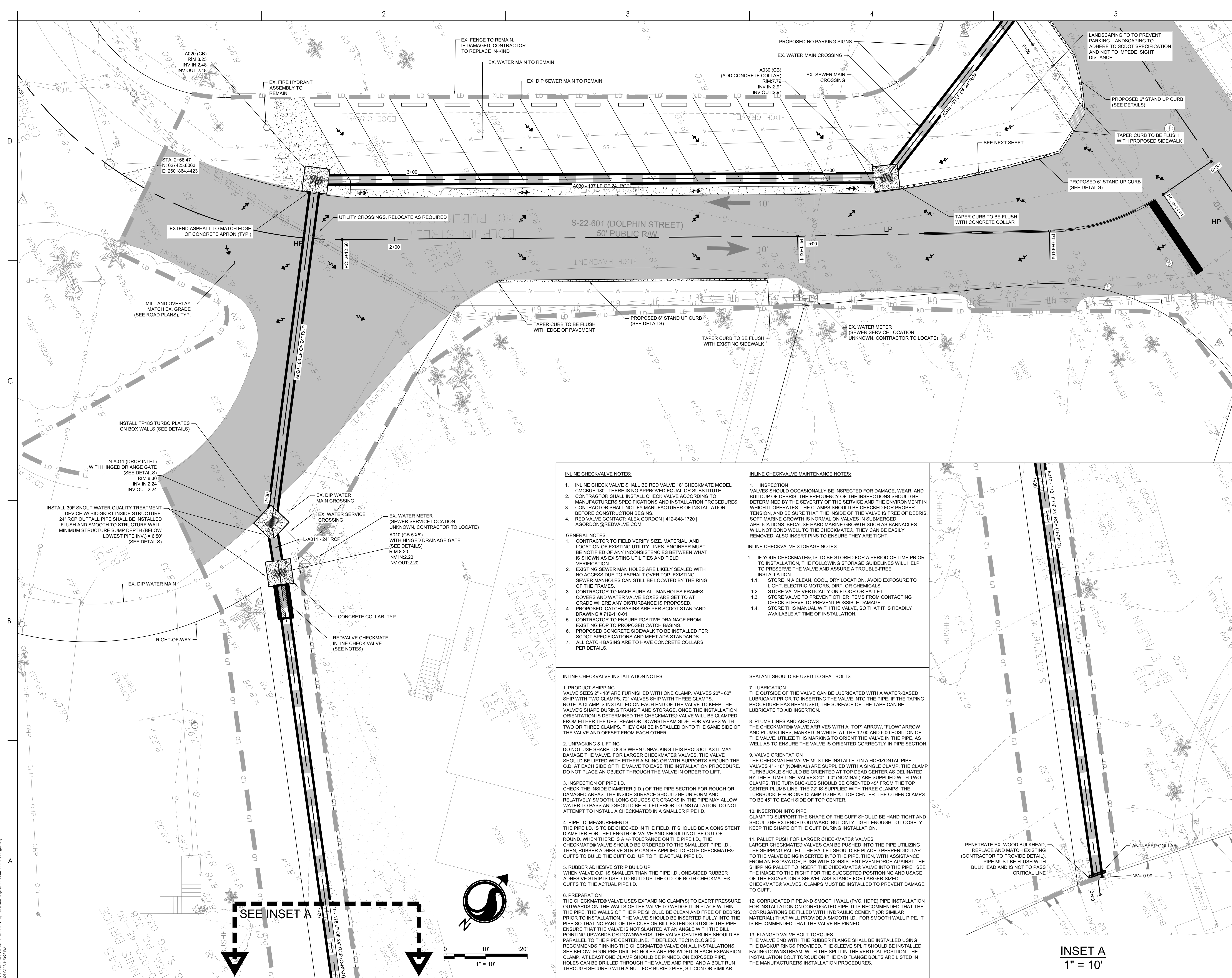
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GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2-7

MURRELLS INLET, SOUTH CAROLINA

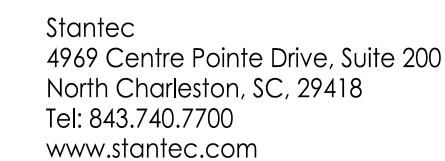
Title

## SITE 5 GRADING AND DRAINAGE PLAN

Project No. 178420916		Scale
Revision	Sheet 29 of 62	Drawing No. C4.31







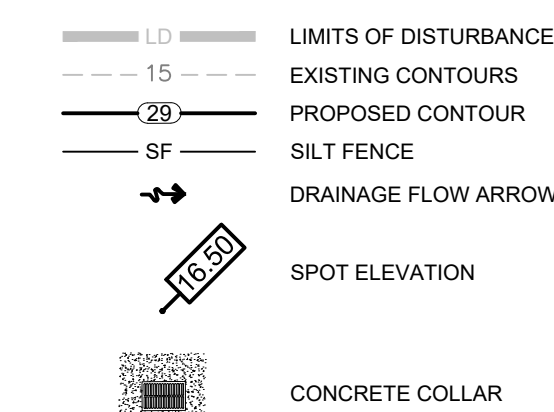
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Legend



FG - FINISHED GRADE ELEVATION  
CB - CATCH BASIN (SCDOT STANDARD DETAIL 719-110-01)  
JB - JUNCTION BOX (SCDOT STANDARD DETAIL 719-110-02)  
EX - EXISTING GRADE  
LP - LOW POINT  
HP - HIGH POINT

Revision		By	Appd	YYYY.MM.DD
BID SET PER GEORGETOWN COUNTY COMMENTS FOR GEORGETOWN COUNTY COMMENTS		A8 SGC SGC	BK BK BK	2020.03.26 2019.10.30 2019.01.22
Issued		By	Appd	YYYY.MM.DD
File Name: C3_916_GRADING	SGC	SGC	BK	2018.12.11
	Dwn.	Dign.	Chkd.	YYYY.MM.DD

Permit/Seal



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Client/Project Logo

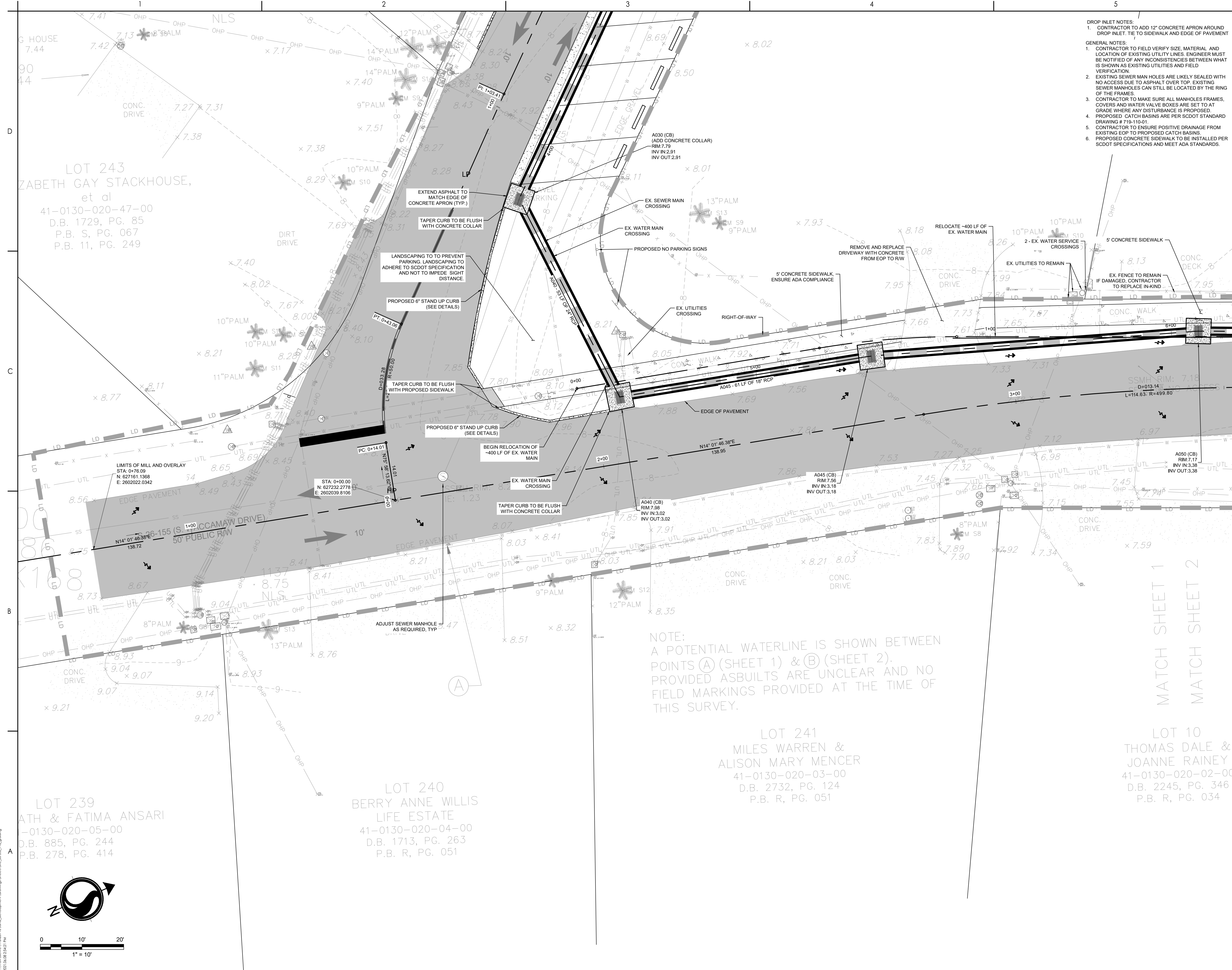
Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2-7

MURRELLS INLET, SOUTH CAROLINA

Title

## SITE 5 GRADING AND DRAINAGE PLAN

Project No. 178420916		Scale
Revision	Sheet 30 of 62	Drawing No. C4.32







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#### Legend

- LD LIMITS OF DISTURBANCE
- 15 EXISTING CONTOURS
- 20 PROPOSED CONTOUR
- SF SILT FENCE
- DRAINAGE FLOW ARROW
- SPOT ELEVATION
- CONCRETE COLLAR

FG - FINISHED GRADE ELEVATION  
CB - CATCH BASIN (SCDOT STANDARD DETAIL 719-110-01)  
JB - JUNCTION BOX (SCDOT STANDARD DETAIL 719-110-02)  
EX - EXISTING GRADE  
LP - LOW POINT  
HP - HIGH POINT

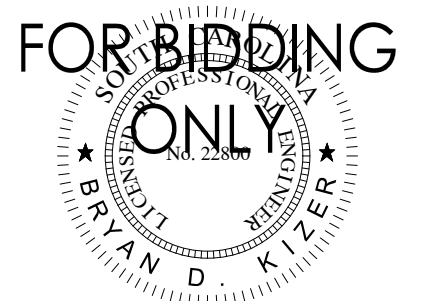
#### Revision

By Appd YYYY.MM.DD

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PER GEORGETOWN COUNTY COMMENTS SGC BK 2019.10.30  
Issued By Appd YYYY.MM.DD

File Name: C3\_P14\_GRADING SGC SGC BK 2018.12.11  
Dwn. Dsgn. Chkd. YYYY.MM.DD

#### Permit/Seal



#### Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2-7

MURRELLS INLET, SOUTH CAROLINA

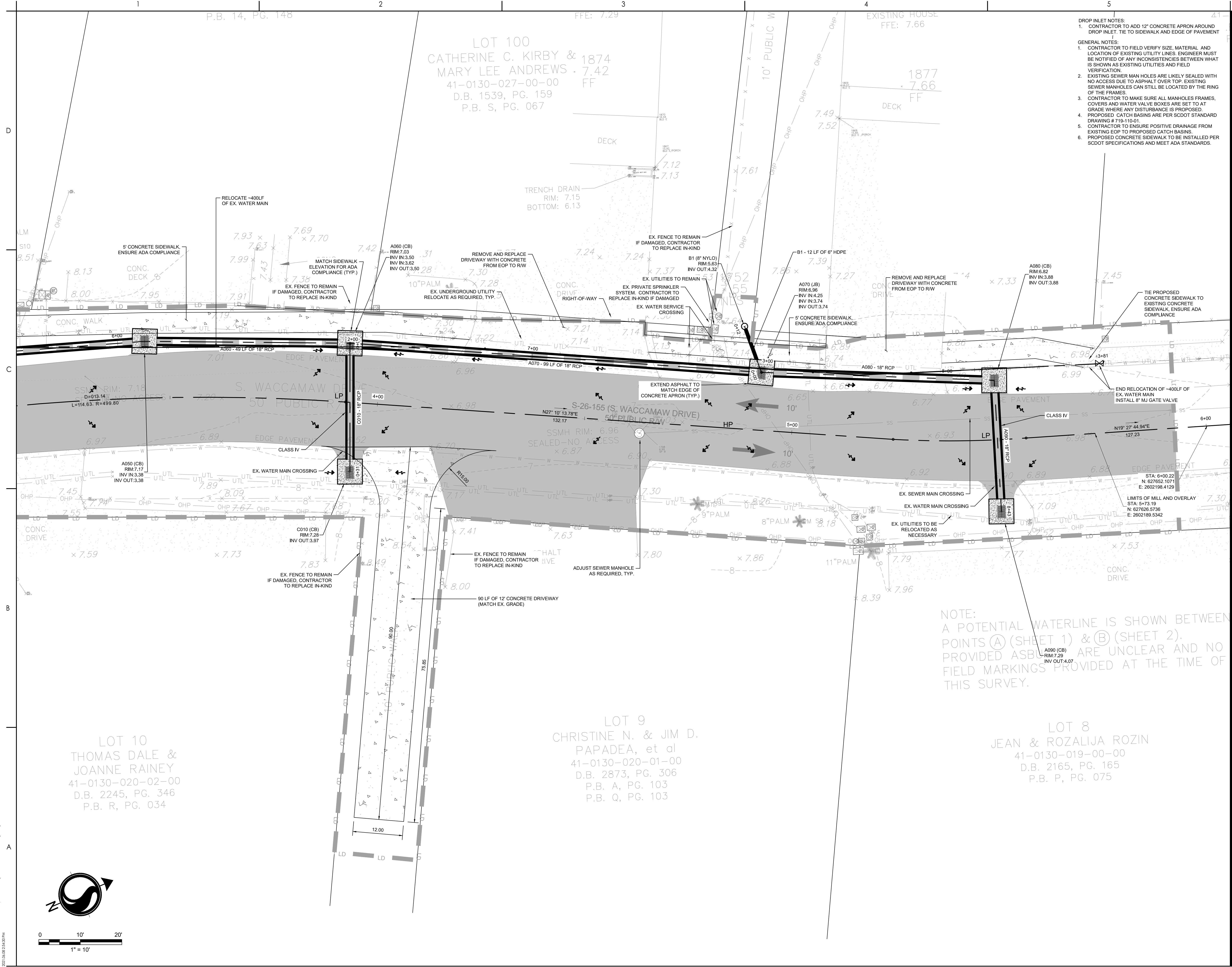
#### Title

#### SITE 5 GRADING AND DRAINAGE PLAN

Project No. 178420916 Scale

Revision Sheet Drawing No.

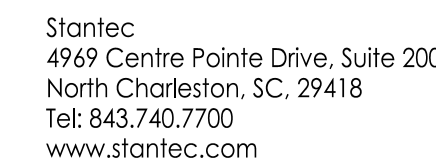
31 of 62 C4.33



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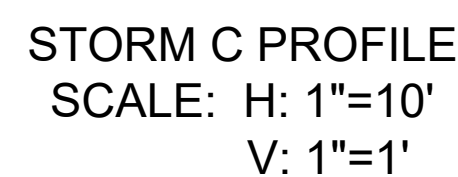
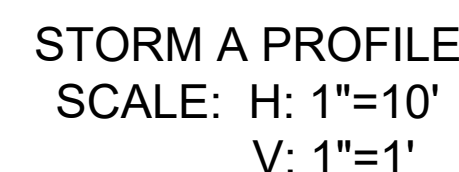
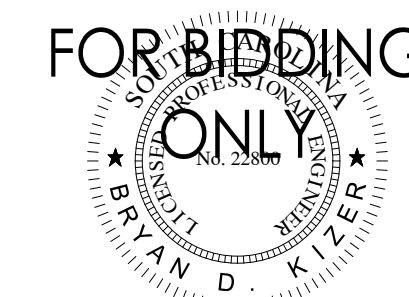
ORIGINAL SHEET - ARCH D





Consultant

Legend

Permit/Seal

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Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2-7

MURRELLS INLET, SOUTH CAROLINA

---

Title

### SITE 5 GRADING PROFILE

Project No. 178420916		Scale
Revision	Sheet 32 of 62	Drawing No. C4.40





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Consultant

Legend

- PROPOSED MILL AND OVERLAY
- PROPOSED ASPHALT FULL DEPTH REPLACEMENT
- PROPOSED ASPHALT

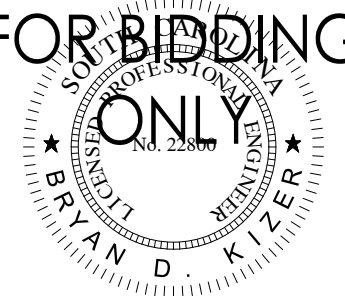
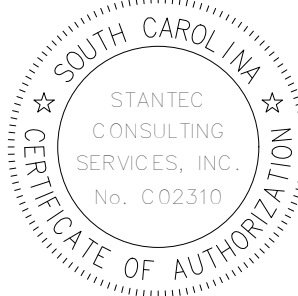
Revision

BID SET  
PER GEORGETOWN COUNTY COMMENTS  
PER GEORGETOWN COUNTY COMMENTS

Issued

File Name: C4\_914\_ROAD

Permit/Seal



Client/Project Logo

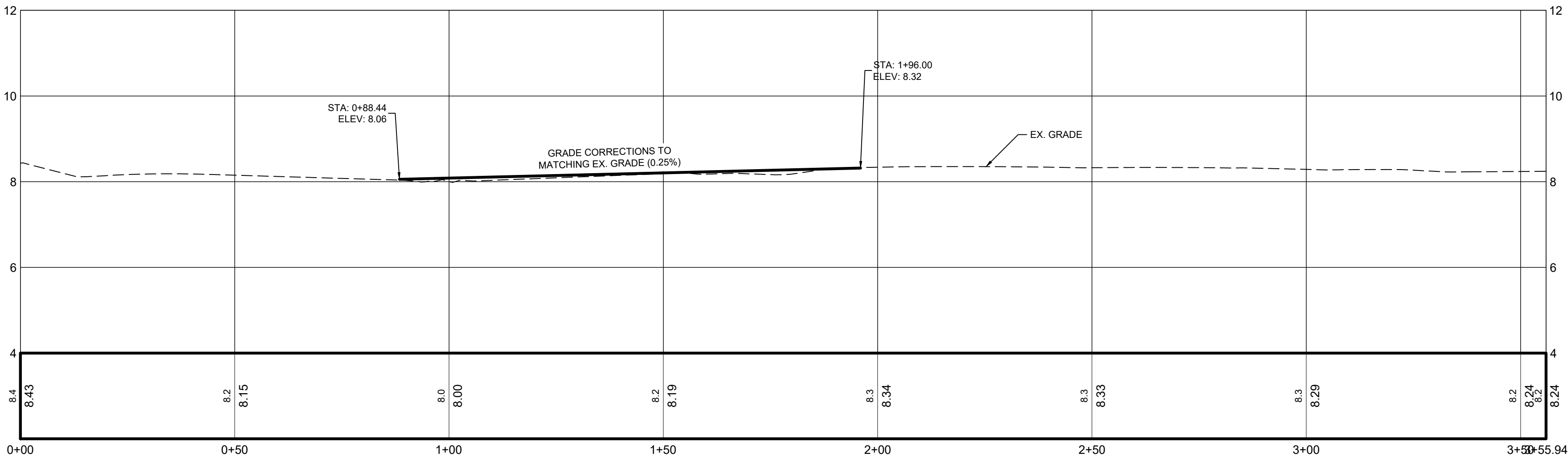
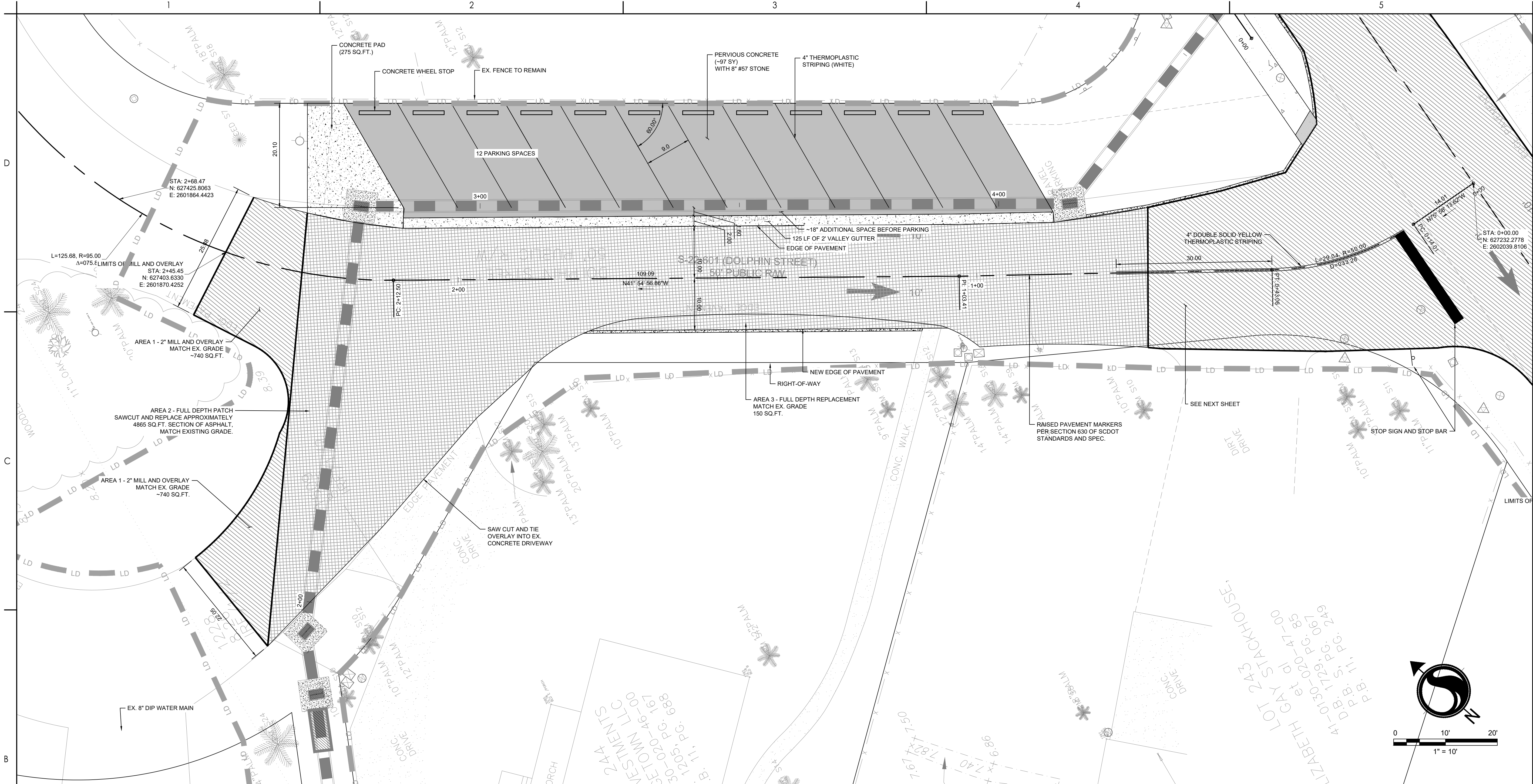
Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2-7

MURRELLS INLET, SOUTH CAROLINA

Title

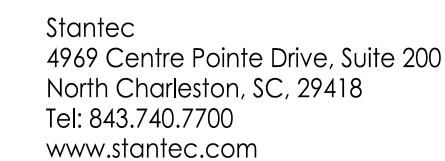
SITE 5 ROAD PLAN

Project No. 178420916  
Revision Sheet 33 of 62  
Drawing No. C4.41



DOLPHIN STREET (S) PROFILE  
SCALE: H: 1"=10'  
V: 1"=1'



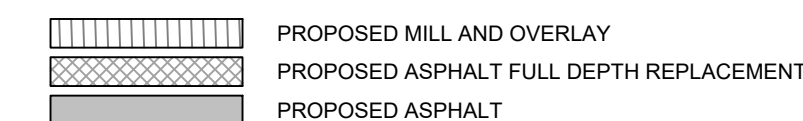


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Legend



Revision		By	Appd	YYYY.MM.DD
BID SET PER GEORGETOWN COUNTY COMMENTS FOR GEORGETOWN COUNTY COMMENTS		AS SGC SGC	BK BK BK	2020.03.26 2019.10.30 2019.01.22
Issued		By	Appd	YYYY.MM.DD
File Name: C4_916_ROAD	SGC	SGC	BK	2018.12.11
	Drawn	Discn	Clkad	YYYY.MM.DD

Permit/Seal



FOR BIDDING



Client/Project Logo

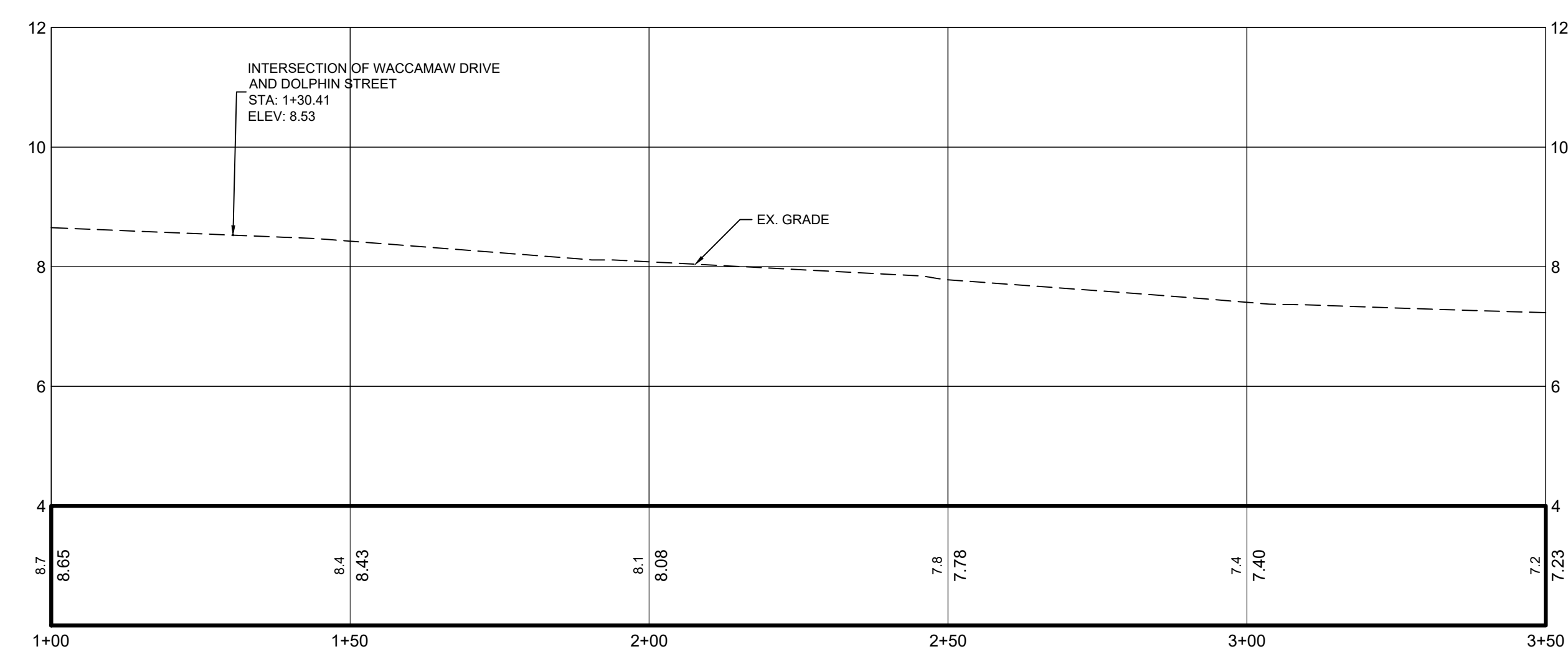
Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2-7

MURRELLS INLET, SOUTH CAROLINA

Title

## SITE 5 ROAD PLAN

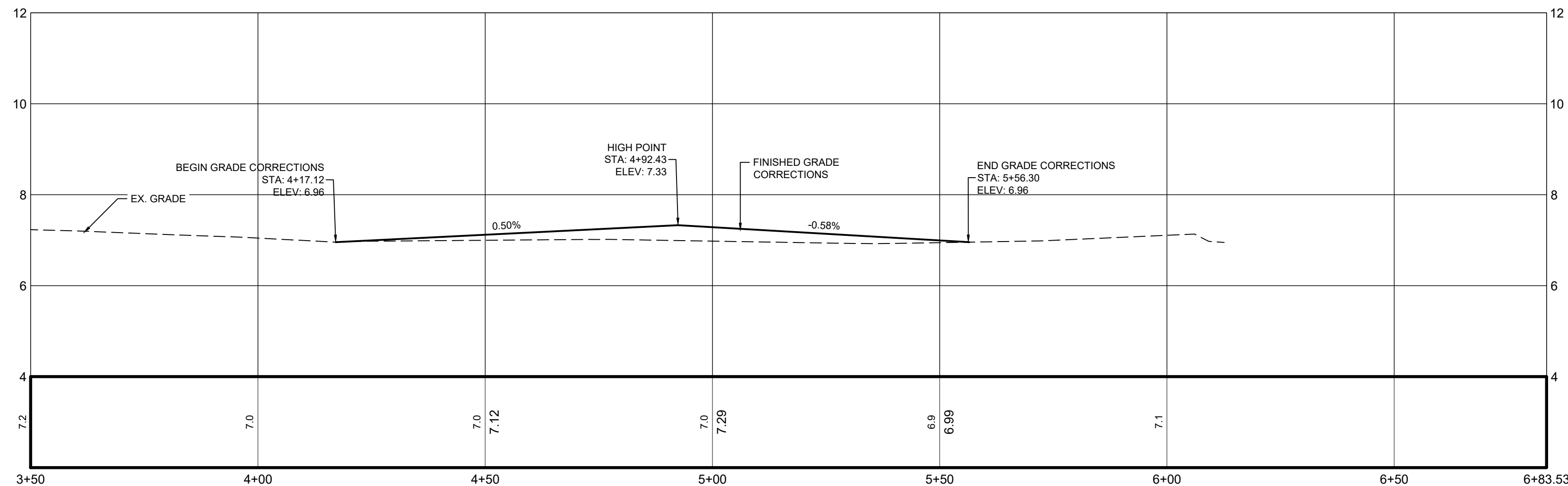
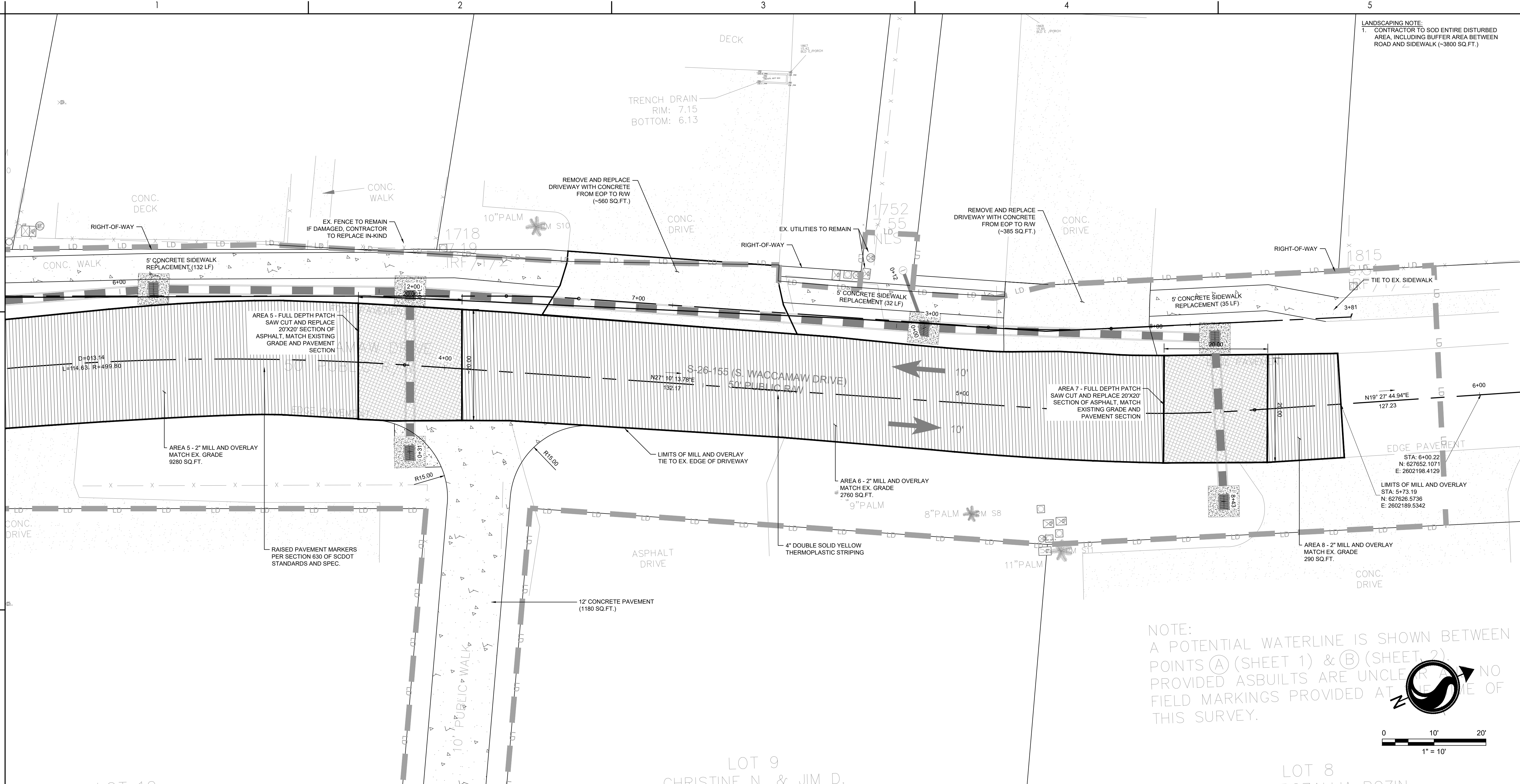
Project No. 178420916		Scale
Revision	Sheet 34 of 62	Drawing No. C4.42



S. WACCAMAW DRIVE PROFILE  
SCALE: H: 1"=10'  
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V:\178420916\178420916\ArchD\_Development\Drawings\Sheet\05-C4.914-Road  
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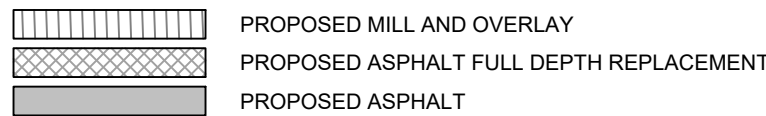


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Tel: 843.740.7700  
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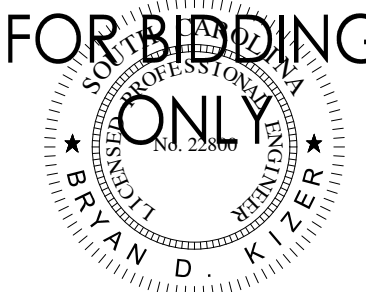
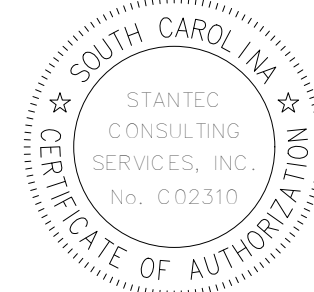
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BID SET  
PER GEORGETOWN COUNTY COMMENTS  
PER GEORGETOWN COUNTY COMMENTS

Issued

File Name: C4.914\_ROAD

Permit/Seal



Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2-7

MURRELLS INLET, SOUTH CAROLINA

Title

SITE 5 ROAD PLAN

Project No. 178420916  
Revision Sheet 35 of 62  
Scale  
Drawing No. C4.43



Revision		By	Appd	YYYY.MM.DD
BID SET		AB	BK	2020.03.26
PER GEORGETOWN COUNTY COMMENTS		SGC	BK	2019.10.30
PER GEORGETOWN COUNTY COMMENTS		SGC	BK	2019.01.22
Issued		By	Appd	YYYY.MM.DD
File Name: C5_916_TRAFFIC	SGC	SGC	BK	2018.12.11
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Permit/Seal



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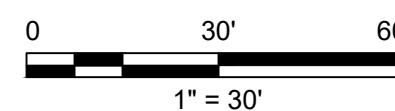
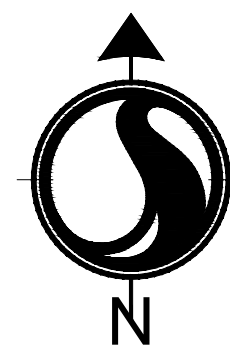
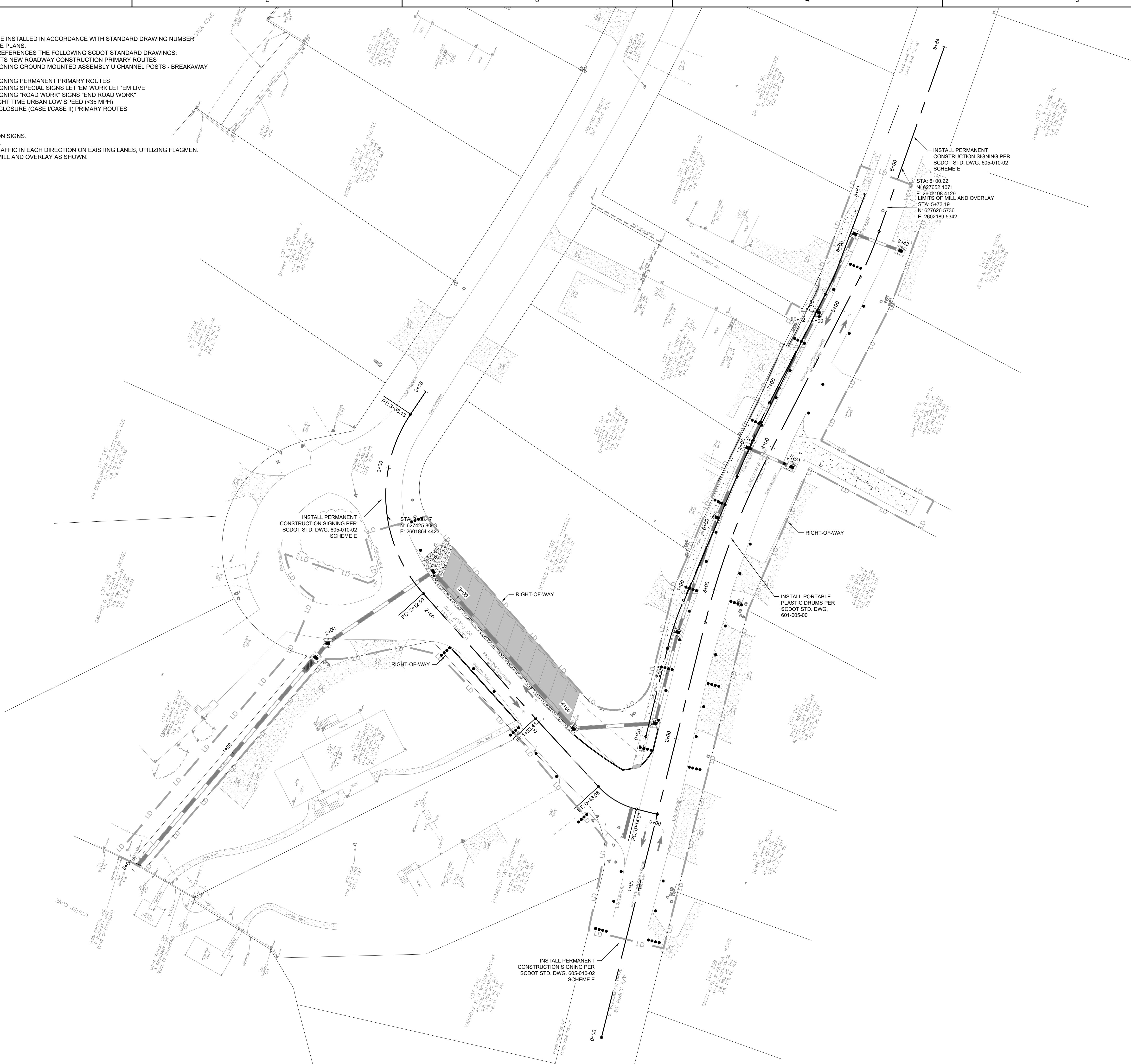
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GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2-7

MURRELLS INLET, SOUTH CAROLINA

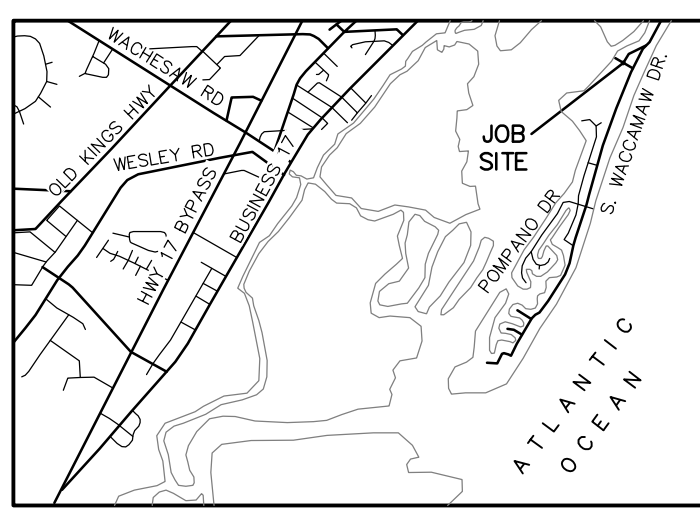
Title

## SITE 5 TRAFFIC CONTROL PLAN

Project No. 178420916		Scale
Revision	Sheet 36 of 62	Drawing No. C4.50







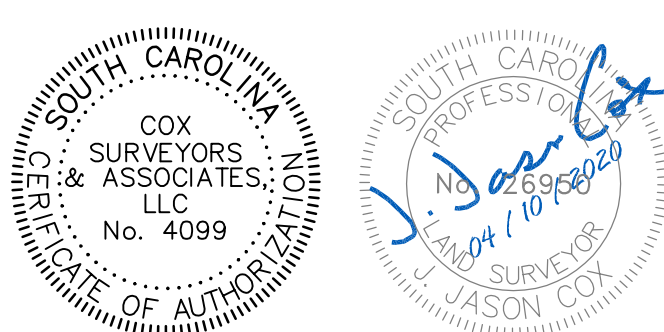
VICINITY MAP  
(NOT TO SCALE)

NO.	DATE	REVISION	BY
1	04/10/2020	ADDITIONAL TOPO; LOTS 11 & 12 WEST OF DOGWOOD DR.	VOB

THE AREA SHOWN ON THIS PLAT IS A REPRESENTATION OF THE DEPARTMENT (SCDHEC OCRM) PERMIT AUTHORITY ON THE SUBJECT PROPERTY. CRITICAL AREAS BY THEIR NATURE ARE DYNAMIC AND SUBJECT TO CHANGE OVER TIME. BY DELINEATING THE PERMIT AUTHORITY OF SCDHEC OCRM, SCDHEC OCRM IN NO WAY WAIVES ITS RIGHT TO ASSERT PERMIT JURISDICTION AT ANY TIME IN ANY CRITICAL AREA ON THE SUBJECT PROPERTY, WHETHER SHOWN HEREON OR NOT.

SIGNATURE DATE  
THE CRITICAL LINE SHOWN ON THIS PLAT IS VALID FOR FIVE YEARS FROM THE DATE OF THIS SIGNATURE, SUBJECT TO THE CAUTIONARY LANGUAGE ABOVE.

I HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "B" SURVEY AS SPECIFIED THEREIN; ALSO THERE ARE NO VISIBLE ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN.



J. JASON COX  
SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR  
LICENSE NO. 26950

LINE	BEARING	LENGTH
L1	N 08°59'43" E	16.33'
L2	N 61°03'52" W	8.86'
L3	N 22°40'53" E	11.56'
L4	S 63°40'09" E	1.49'
L5	N 08°36'49" W	13.72'
L6	N 21°24'05" E	22.31'
L7	N 71°12'13" W	41.03'
L8	N 01°52'07" W	31.12'
L9	N 08°36'49" W	0.15'
L10	N 34°59'41" E	32.60'
L11	N 34°59'41" E	4.91'
L12	N 56°07'55" W	1.18'
L13	N 33°45'00" E	5.11'
L14	N 33°45'00" E	23.39'

TIDAL INFORMATION  
"866 1852 C TIDAL"  
ELEV.: 6.49' (NAVD 88)

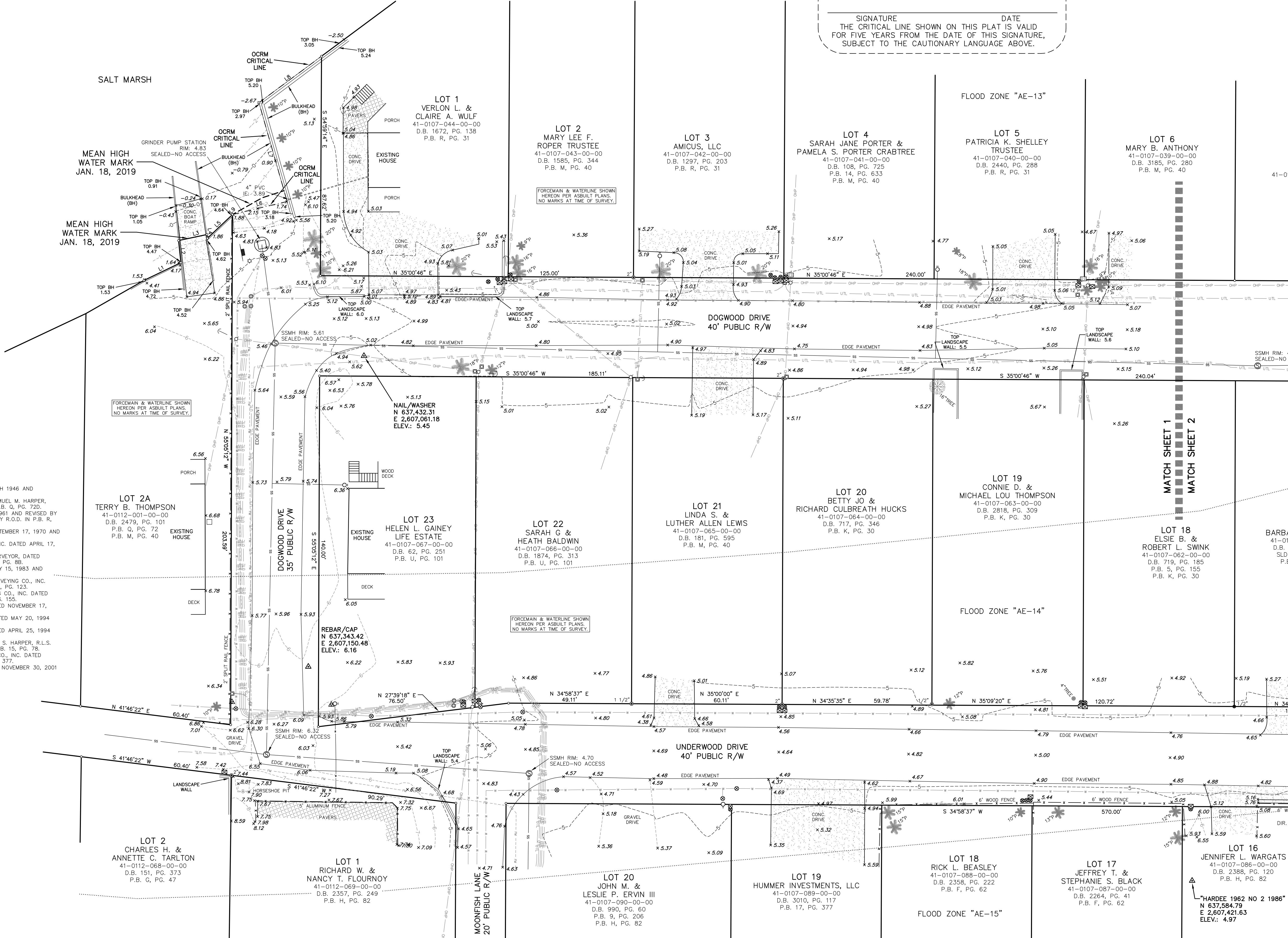
MHHW	MLLW	NAVD 88
4.77	2.08	
4.38	1.69	
0.16	-2.53	
0.00	-2.69	

- REFERENCE MAPS:
- "GARDEN CITY SECTIONS NO. 1, 2 & 3 (REVISED)" BY S.D. COX, JR., DATED MARCH 1946 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. F, PG. 62.
  - "MAP OF A REVISION OF LOTS #1A, #2A & #3A, BLOCK 18 GARDEN CITY" BY SAMUEL M. HARPER, R.L.S. DATED MAY 11, 1964 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. Q, PG. 72D.
  - "MAP OF GARDEN CITY BEACH" BY SAMUEL M. HARPER, R.L.S. DATED OCTOBER 1961 AND REVISED BY S.D. COX, JR., R.L.S. ON MARCH 9, 1965 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. R, PG. 31.
  - "REVISED MAP OF LOTS 22 & 23, BLOCK C" BY S.D. COX, JR., R.L.S. DATED SEPTEMBER 17, 1970 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. U, PG. 10D.
  - "LOT SURVEY OF LOT 16 BLOCK C" BY ENGINEERING AND TECHNICAL SERVICES, INC. DATED APRIL 17, 1997 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT SLD, 229, PG. 5B.
  - "GARDEN CITY BEACH LOT 17 - BLOCK C" BY HUNTLEY & ASSOCIATES LAND SURVEYOR, DATED JANUARY 26, 2011 AND RECORDED AT GEORGETOWN COUNTY R.O.D. AT SLD, 729, PG. 8B.
  - "PLAT PREPARED FOR BARRIE H. REITER" BY MICHAEL S. CULLER, JR. DATED JULY 15, 1983 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. 3, PG. 25.
  - "PLAT PREPARED FOR JOE A. JR. & MARGARET P. BROWN" BY CULLER LAND SURVEYING CO., INC. DATED MARCH 6, 1984 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. 4, PG. 123.
  - "PLAT PREPARED FOR ROBERT L. & ELSIE B. SWINK" BY CULLER LAND SURVEYING CO., INC. DATED FEBRUARY 6, 1985 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. 5, PG. 155.
  - "GARDEN CITY LOTS 20, BLK 20" BY FREELAND, CLINKSCALES AND HUNTLEY DATED NOVEMBER 17, 1987 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. 9, PG. 206.
  - "GARDEN CITY LOTS 1, BLOCK 20" BY FREELAND, CLINKSCALES AND HUNTLEY DATED MAY 20, 1994 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. 14, PG. 633.
  - "PLAT OF LOT #13, BLOCK 20 GARDEN CITY" BY J. LUCKEY SANDERS, R.L.S. DATED APRIL 25, 1994 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. 14, PG. 590.
  - "PLAT OF A REVISION OF LOT NO. 15, BLOCK NO. 20 GARDEN CITY" BY SAMUEL S. HARPER, R.L.S. DATED DECEMBER 16, 1994 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. 15, PG. 78.
  - "PLAT PREPARED FOR J. RANDOLPH MACKEY, SR." BY CULLER LAND SURVEYING CO., INC. DATED AUGUST 7, 1998 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. 17, PG. 377.
  - "PLAT OF LOT 16, BLOCK C GARDEN CITY" BY J. LUCKEY SANDERS, R.L.S. DATED NOVEMBER 30, 2001 AND RECORDED AT GEORGETOWN COUNTY R.O.D. IN P.B. 18, 563.

- NOTES:
- TAX MAP NO.: AS SHOWN.
  - IT IS MY OPINION THAT THE PROPERTY SHOWN ON THIS PLAT IS LOCATED IN FLOOD ZONES AS SHOWN HEREON PER FLOOD INSURANCE RATE MAP 450085 0167 L DATED OCTOBER 16, 1992 & IS SUBJECT TO VERIFICATION BY THE COUNTY FLOODPLAIN MANAGER / FEMA OFFICER. FLOOD ZONE LINES SHOWN HEREON SCALED FROM FEMA FIRM MAPS. SAID LINES ARE APPROXIMATE.
  - ALL BEARINGS AND COORDINATES SHOWN ON THIS SURVEY ARE BASED ON SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM NAD83(2011). DISTANCES AND COORDINATES SHOWN ARE GROUND LEVEL DISTANCES, NOT GRID DISTANCES. TO CONVERT GROUND LEVEL DISTANCES TO GRID DISTANCES, MULTIPLY BY COMBINED SCALE FACTOR OF 0.9997958. STATE PLANE COORDINATES OBTAINED FROM OCRM MONUMENT "4930 1987". A TITLE SEARCH WAS NOT PERFORMED BY THIS OFFICE ON THIS DATE.
  - THE PROPERTY PLATTED HEREON IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
  - REFERENCE: AS SHOWN.
  - SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AN ELEMENT OF THIS SURVEY. NO STATEMENT IS MADE REGARDING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTINGENCIES THAT MAY AFFECT THE USE OF THIS PARCEL.
  - THERE ARE NO HORIZONTAL CONTROL MONUMENTS ON THE UNITED STATES OR STATE AGENCY SURVEY SYSTEMS LOCATED WITHIN 2000 FEET OF THE SUBJECT PROPERTY.
  - THIS SURVEY IS VALID ONLY IF THE PRINT OF SAME HAS THE ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE LAND SURVEYOR.
  - CURRENT OWNERS: AS SHOWN.
  - ALL ELEVATIONS BASED ON NAVD 88 DATUM PER OCRM MONUMENT "4930 1987", ELEVATION: 8.50'

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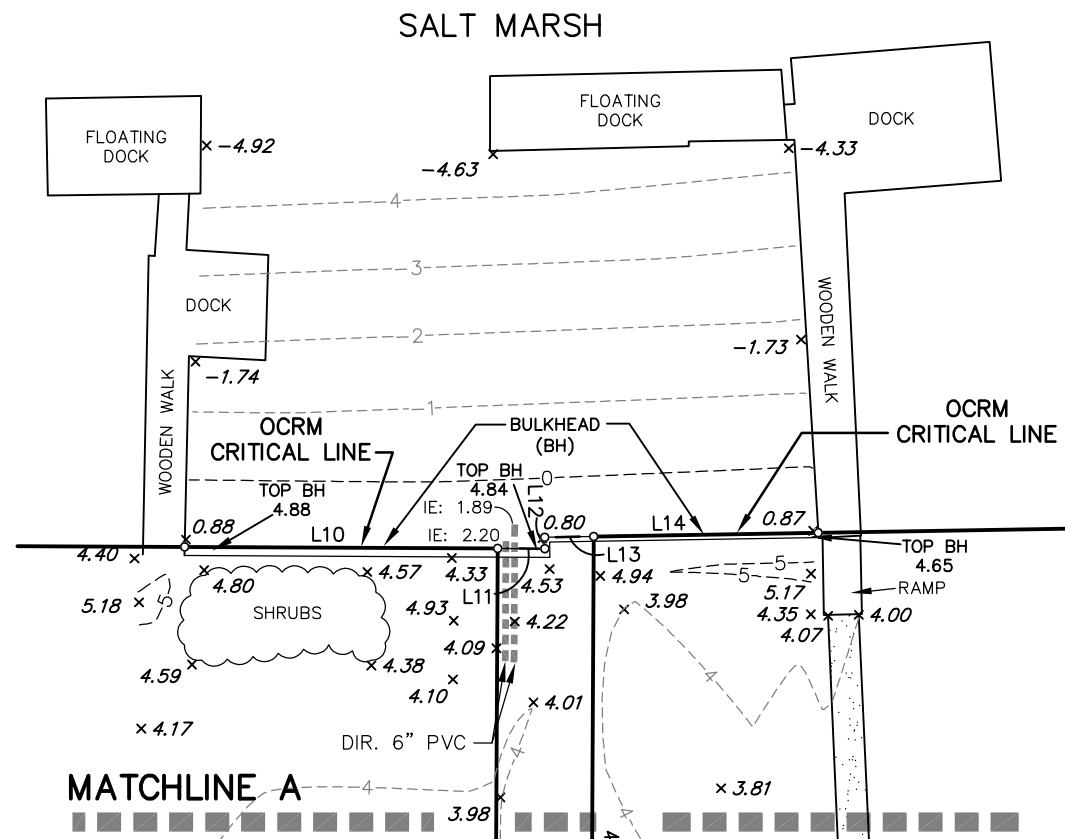
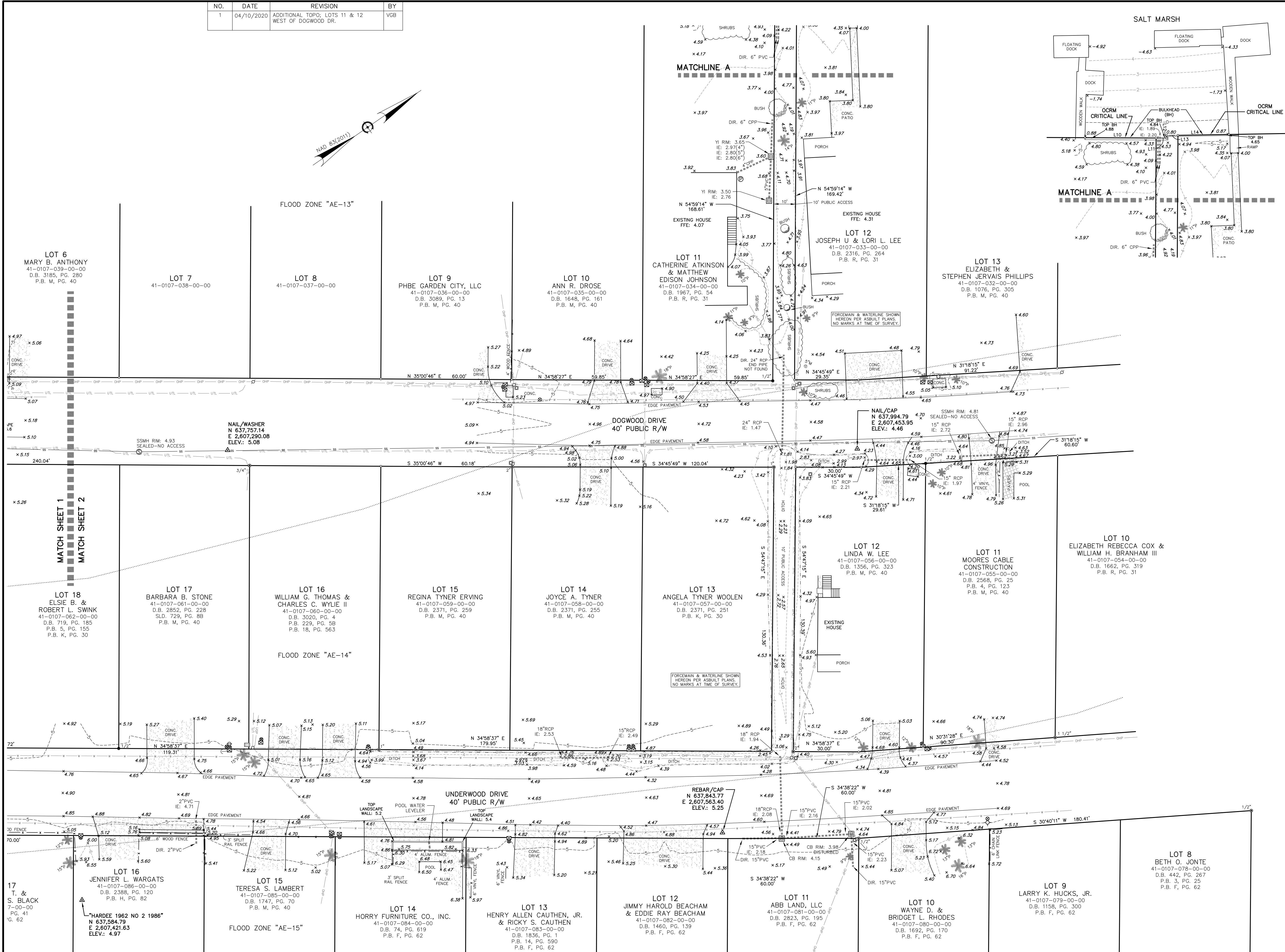
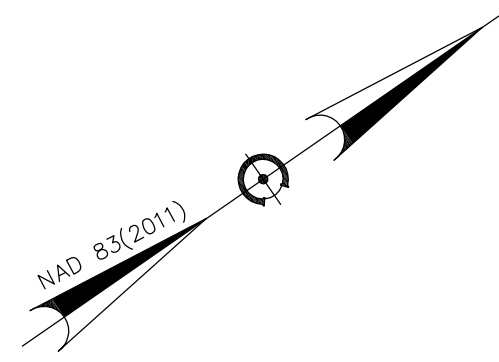
- LEGEND
- IRON PIPE FOUND
  - IRON REBAR FOUND
  - BOUNDARY POINT
  - CONTROL POINT
  - EXISTING ELEVATION
  - DEED BOOK
  - PLAT BOOK
  - PAGE
  - ELECTRIC BOX
  - TELEPHONE PEDESTAL
  - CABLE PEDESTAL
  - WATER VALVE
  - IRRIGATION CONTROL VALVE
  - VALVE MARKER
  - WATER METER
  - FIRE HYDRANT
  - VALVE MARKER
  - SEWER MANHOLE
  - SEWER CLEAN-OUT
  - POWER POLE
  - GUY ANCHOR
  - LIGHT POLE
  - AIR CONDITIONER
  - PROPANE TANK
  - SEWER LINE
  - UNDERGROUND UTILITY LINE (APPROX.)
  - UNDERGROUND POWER (APPROX.)
  - WATER LINE (APPROX.)
  - FENCE
  - SEWER FORCEMAIN (APPROX.)
  - PALM TREE
  - MYRTLE TREE

SHEET 1 OF 2  
TOPOGRAPHIC SURVEY OF  
A PORTION OF  
**GULF STREAM ESTATES**  
**GARDEN CITY BEACH**  
**SITES 6 & 7**  
PREPARED FOR  
**GEORGETOWN COUNTY**  
GARDEN CITY BEACH  
GEORGETOWN COUNTY SOUTH CAROLINA  
20 0 10 20 40  
SCALE: 1 INCH = 20 FEET  
SURVEYED & MAPPED BY  
**COX SURVEYORS & ASSOCIATES**  
A LIMITED LIABILITY COMPANY  
4325 DICK POND ROAD, SUITE A  
MYRTLE BEACH, SC 29588 (843) 650-1500  
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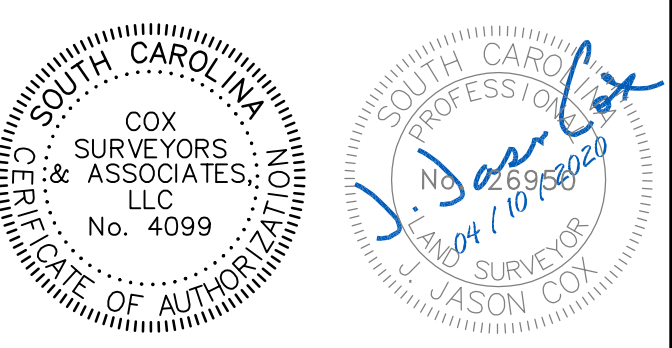
DRAWN BY VOB FIELD DATE 02/2019  
REVIEWED JUC PLAT DATE 02/12/2019  
CREW CHIEF TTB FIELD BOOK CS-1323



NO.	DATE	REVISION	BY
1	04/10/2020	ADDITIONAL TOPO; LOTS 11 & 12 WEST OF DOGWOOD DR.	VGB



I HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "B" SURVEY AS SPECIFIED THEREIN; ALSO THERE ARE NO VISIBLE ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN.



J. JASON COX  
SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR  
LICENSE NO. 26950

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SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_  
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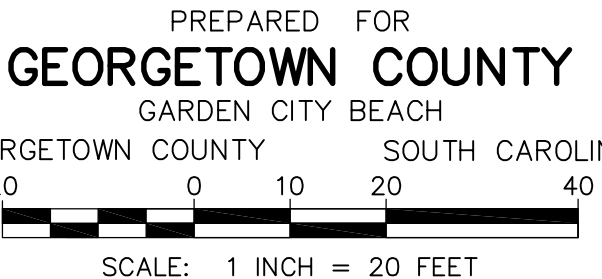
#### LEGEND

- IRON PILE FOUND
- IRON REBAR FOUND
- BOUNDARY POINT
- △ CONTROL POINT
- x 4.57 EXISTING ELEVATION
- D.B. DEED BOOK
- P.B. PLAT BOOK
- PG. PAGE
- ELECTRIC BOX
- TELEPHONE PEDESTAL
- CABLE PEDESTAL
- WATER VALVE
- IRRIGATION CONTROL VALVE
- VALVE MARKER
- FIRE HYDRANT
- VALVE MARKER
- SEWER MANHOLE
- SEWER CLEAN-OUT
- POWER POLE
- GUY ANCHOR
- LIGHT POLE
- AIR CONDITIONER
- PROPANE TANK
- SS— SEWER LINE
- UTL— UNDERGROUND UTILITY LINE (APPROX.)
- UGP— UNDERGROUND POWER (APPROX.)
- W— WATER LINE (APPROX.)
- X— FENCE
- FM— SEWER FORCEMAIN (APPROX.)
- P PALM TREE
- M MYRTLE TREE

TIDAL INFORMATION  
"866 1852 G TIDAL"  
ELEV.: 6.49' (NAVD 88)

MHW	MLLW	NAVD 88
4.77	4.77	2.08
MHW	4.38	1.69
MLW	0.16	-2.53
MLLW	0.00	-2.69

SHEET 2 OF 2  
TOPOGRAPHIC SURVEY OF  
A PORTION OF  
**GULF STREAM ESTATES**  
**GARDEN CITY BEACH**  
**SITES 6 & 7**  
PREPARED FOR  
**GEORGETOWN COUNTY**  
GARDEN CITY BEACH  
GEORGETOWN COUNTY SOUTH CAROLINA



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DRAWN BY: VGB FIELD DATE: 02/2019  
REVIEWED: JUC PLAT DATE: 07/31/2020  
CREW CHIEF: CTB FIELD BOOK: CS-1323

NOTES:  
SEE SHEET 1 FOR ALL APPLICABLE NOTES.

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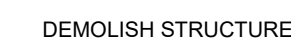
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Revision

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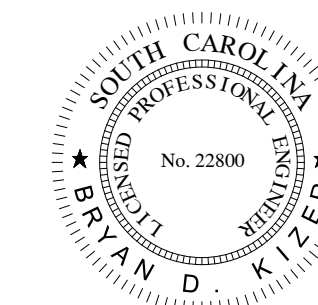
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SGC SGC BK

\_\_\_\_\_ Dwn. \_\_\_\_\_ Dsgn. \_\_\_\_\_ Chkd. \_\_\_\_\_ YYYY.MM.DD

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1.22.2018

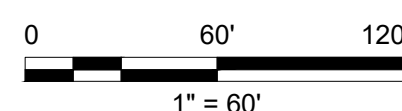
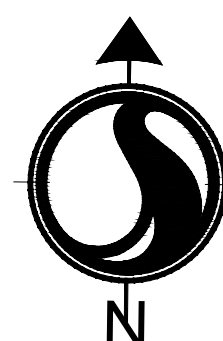
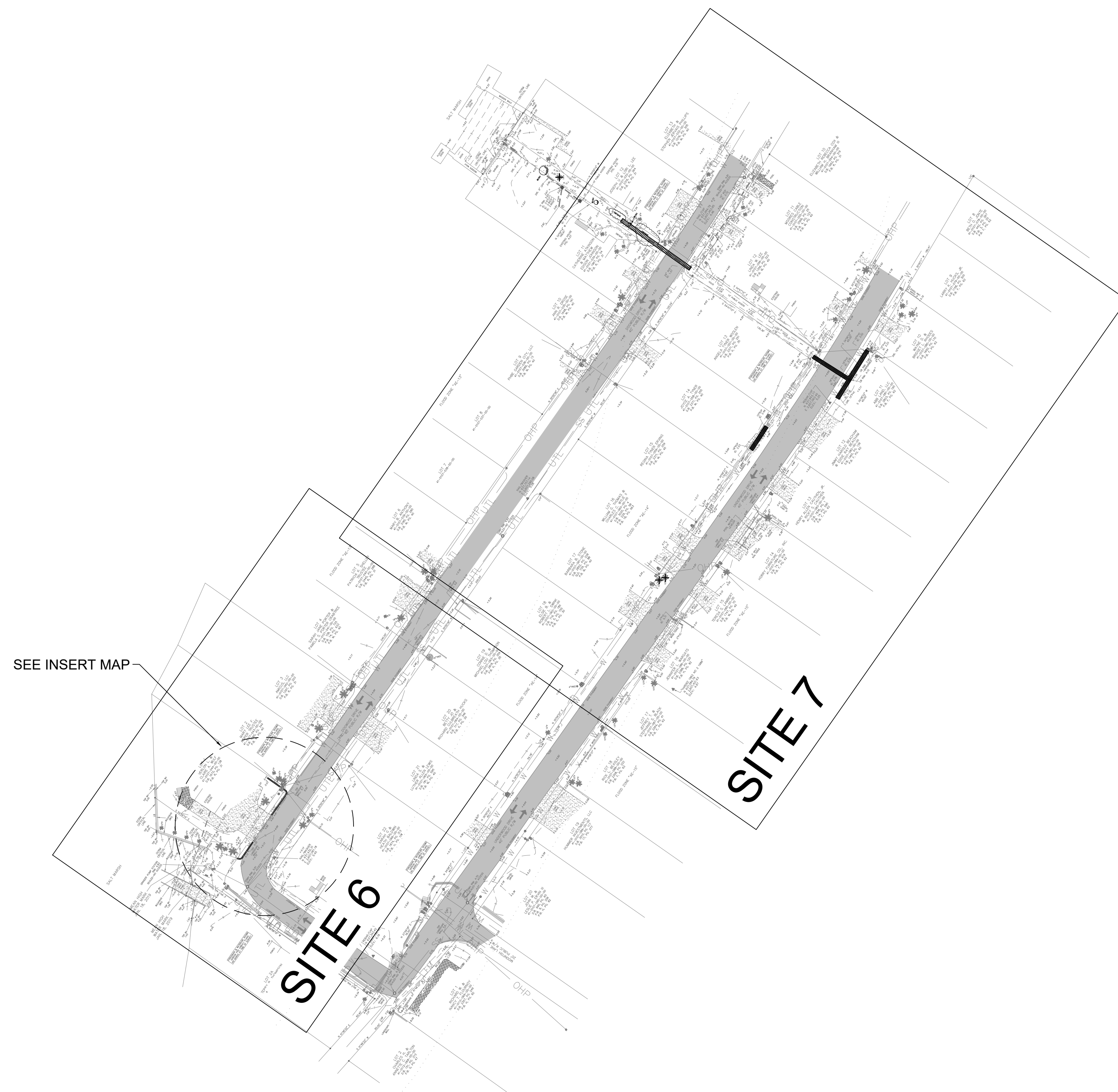
Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

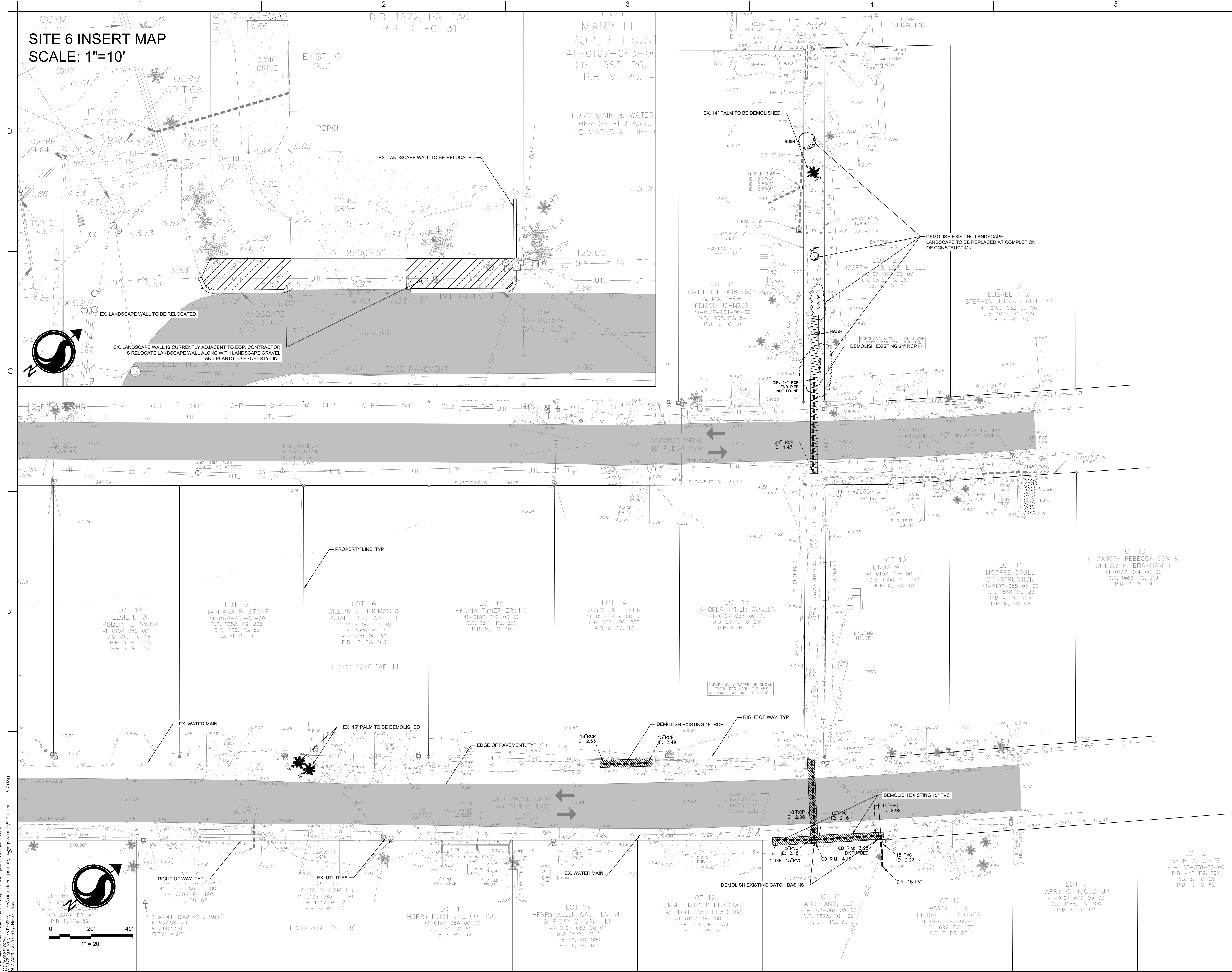
## SITE 7 DEMOLITION SITE MAP

Project No. 178420927	Scale
Revision	Sheet
	39 of 62
	Drawing No. C5.20





SITE 6 INSERT MAP  
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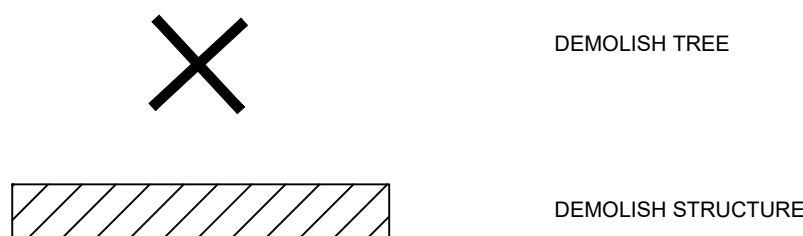
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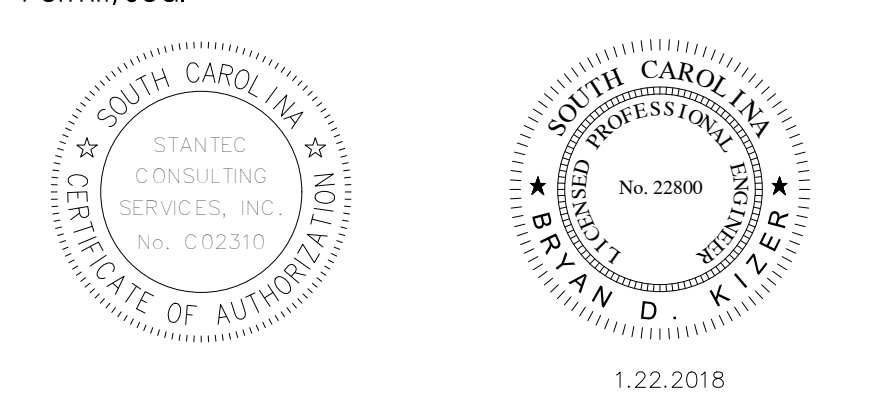
Revision

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Issued

File Name: 927\_DEMO\_SITE\_6\_7

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Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

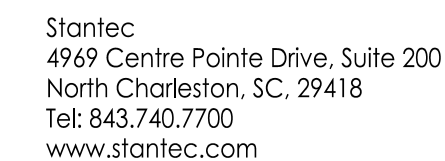
SITE 7 DEMOLITION PLAN

Project No.	Scale
178420927	
Revision	Sheet
	40 of 62
	Drawing No.
	C5.21









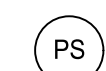
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Legend



PERMANENT STABILIZATION  
(SEE LANDSCAPE PLAN)



### TEMPORARY SEEDING



## MULCHING



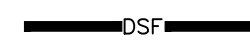
DUST CONTROL



### LIMITS OF DISTURBANCE



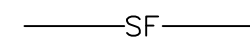
LIMITS OF DISTURBANCE AND SILT FENCE



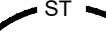
### LIMITS OF DISTURBANCE



## TREE PROTECTION



SILT FENCE



SEDIMENT TUBE



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1. STORM DRAINAGE REVISION	TN	BK	20201013
Revision	By	Appd	YYYY.MM.DD

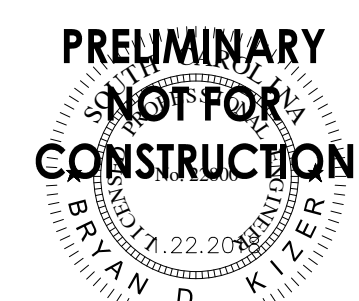
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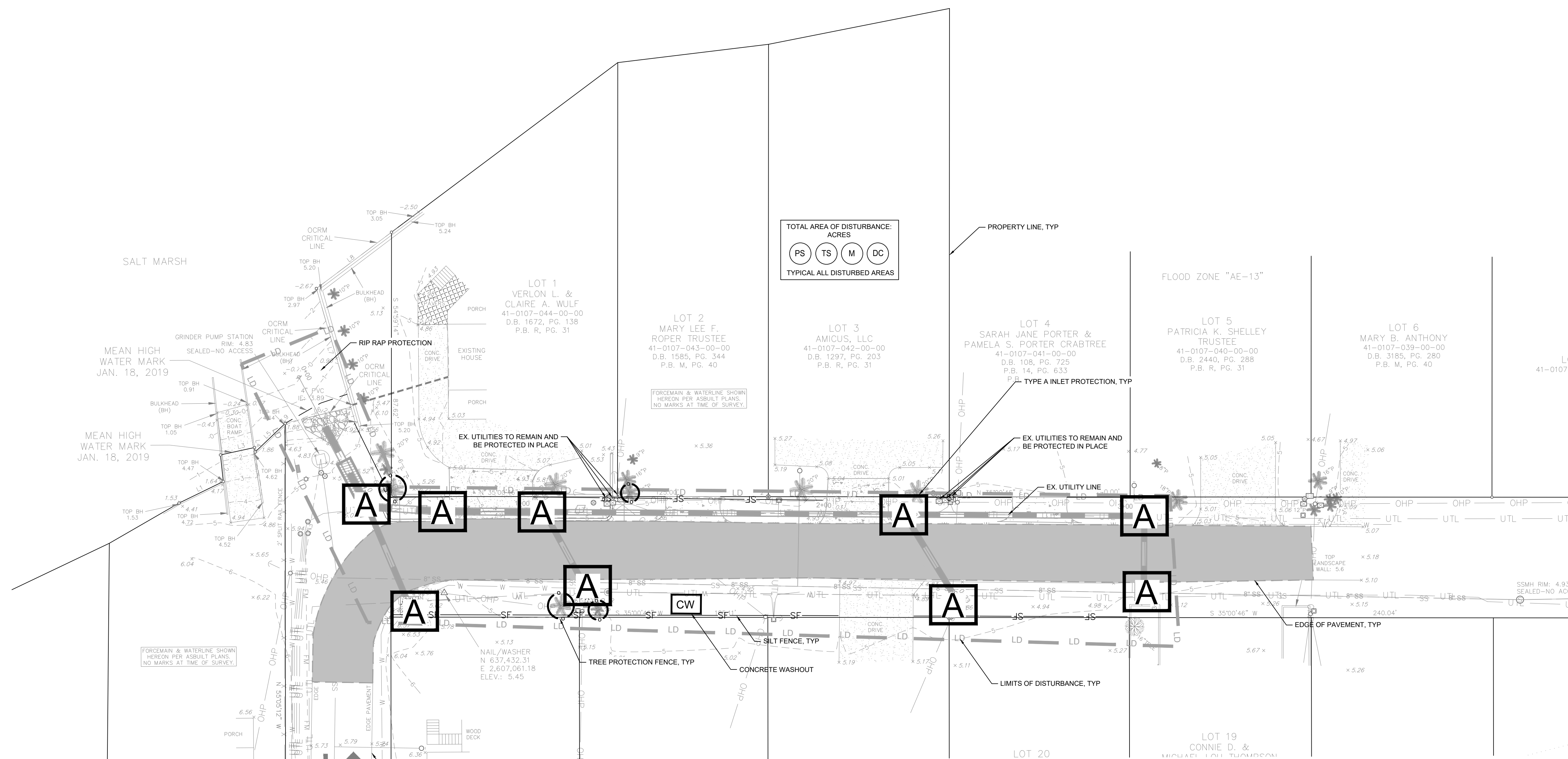
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GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

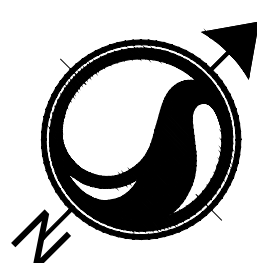
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Project No. 178420927		Scale
Revision	Sheet 42 of 62	Drawing No. C5.31

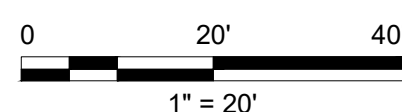


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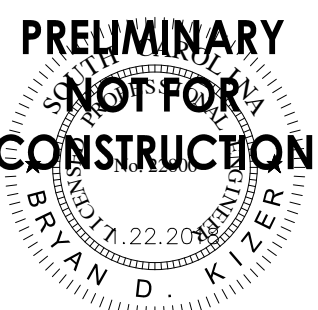
- PS PERMANENT STABILIZATION (SEE LANDSCAPE PLANS)
- TS TEMPORARY SEEDING
- M MULCHING
- DC DUST CONTROL
- LD LIMITS OF DISTURBANCE
- LD SF LIMITS OF DISTURBANCE AND SILT FENCE
- OSF LIMITS OF DISTURBANCE
- TP TREE PROTECTION
- SF SILT FENCE
- ST SEDIMENT TUBE
- A TYPE A INLET PROTECTION
- F FILTER BAG

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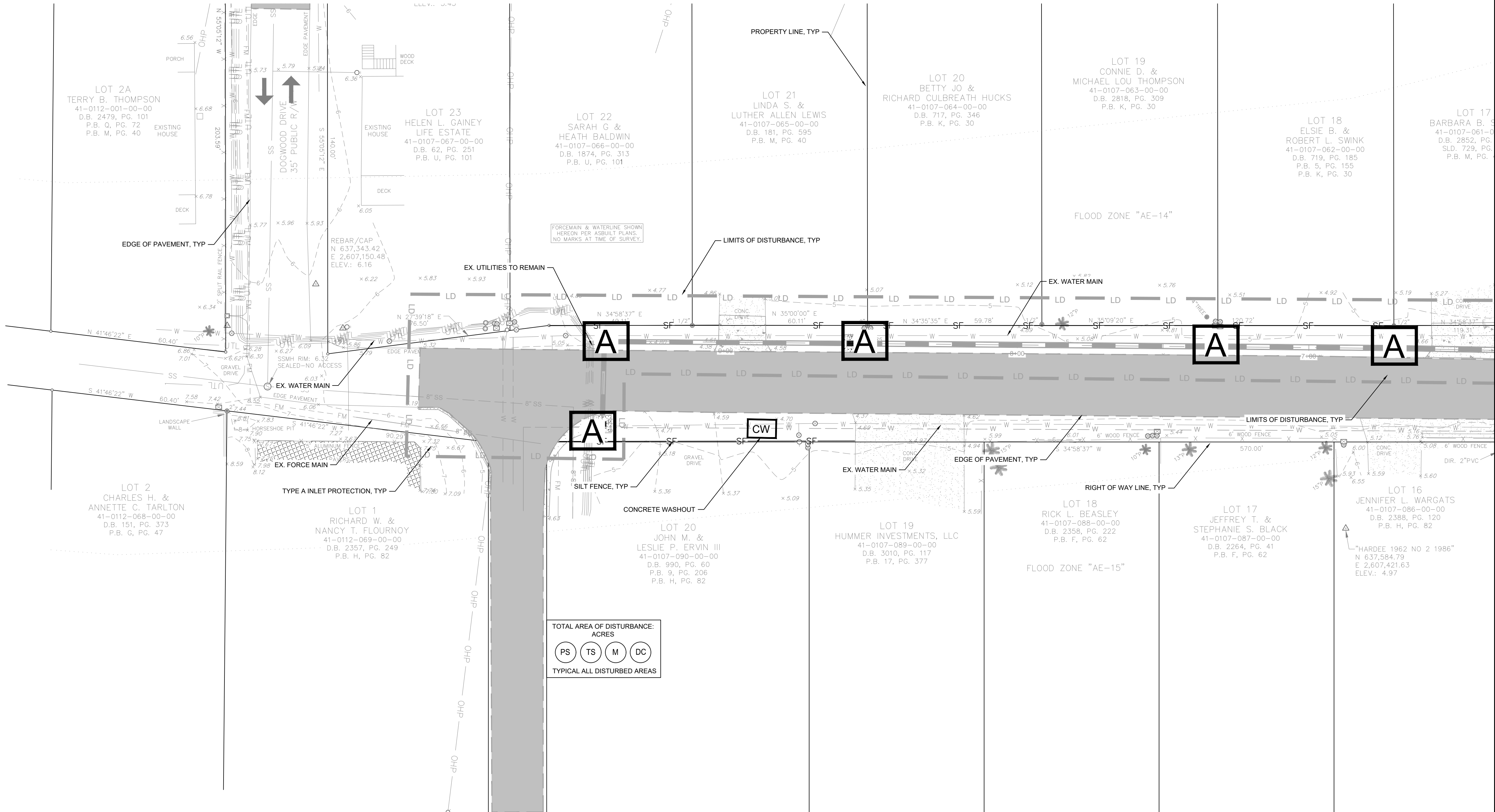
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MURRELLS INLET, SOUTH CAROLINA  
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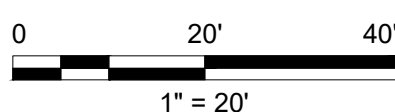
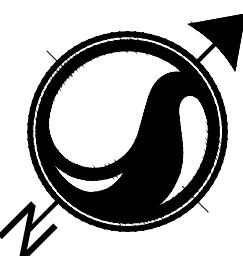
SITE 7 EROSION CONTROL PLAN 1

Project No.	Scale
178420927	
Revision	Sheet
	43 of 62
Drawing No.	C5.32



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Legend

- LD LIMITS OF DISTURBANCE  
15 EXISTING CONTOURS  
29 PROPOSED CONTOUR  
SF SILT FENCE  
DSF DOUBLE ROW SILT FENCE  
MILL AND OVERLAY  
DRAINAGE FLOW ARROW  
SPOT ELEVATION

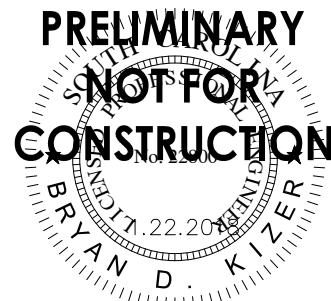
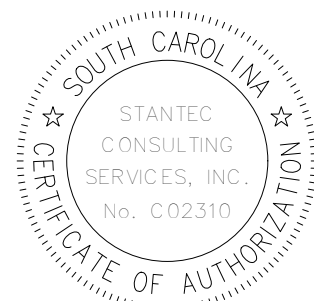
FG - FINISHED GRADE ELEVATION  
CB - CATCH BASIN (SCDOT STANDARD DETAIL 719-110-01)  
JB - JUNCTION BOX (SCDOT STANDARD DETAIL 719-110-02)

1. STORM DRAINAGE REVISION	TN	BK	20201013
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MURRELLS INLET, SOUTH CAROLINA  
Title

SITE 6 AND 7 GRADING AND DRAINAGE  
SITE MAP

Project No.	Scale
178420927	
Revision	Sheet
	45 of 62
Drawing No.	C5.40

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C

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2021/06/08 2:57 PM By: Nelson, Tey

CORRECTIONS: AREC10

INLINE CHECKVALVE INSTALLATION NOTES:

- PRODUCT SHIPPING  
VALVE SIZES 2" - 18" ARE FURNISHED WITH ONE CLAMP. VALVES 20" - 60" SHIP WITH TWO CLAMPS. 72" VALVES SHIP WITH THREE CLAMPS.  
NOTE: A CLAMP IS INSTALLED ON EACH END OF THE VALVE TO KEEP THE VALVE'S SHAPE DURING TRANSIT AND STORAGE. ONCE THE INSTALLATION ORIENTATION IS DETERMINED THE CHECKMATE® VALVE WILL BE CLAMPED FROM EITHER THE UPSTREAM OR DOWNSTREAM SIDE. FOR VALVES WITH TWO OR THREE CLAMPS, THEY CAN BE INSTALLED ONTO THE SAME SIDE OF THE VALVE AND OFFSET FROM EACH OTHER.
- UNPACKING & LIFTING  
DO NOT USE SHARP TOOLS WHEN UNPACKING THIS PRODUCT AS IT MAY DAMAGE THE VALVE. FOR LARGER CHECKMATE® VALVES, THE VALVE SHOULD BE LIFTED WITH EITHER A SLING OR WITH SUPPORTS AROUND THE O.D. AT EACH SIDE OF THE VALVE TO EASE THE INSTALLATION PROCEDURE. DO NOT PLACE AN OBJECT THROUGH THE VALVE IN ORDER TO LIFT.
- INSPECTION OF PIPE I.D.  
CHECK THE INSIDE DIAMETER (I.D.) OF THE PIPE SECTION FOR ROUGH OR DAMAGED AREAS. THE INSIDE SURFACE SHOULD BE UNIFORM AND RELATIVELY SMOOTH. LONG GOUGES OR CRACKS IN THE PIPE MAY ALLOW WATER TO PASS AND SHOULD BE FILLED PRIOR TO INSTALLATION. DO NOT ATTEMPT TO INSTALL A CHECKMATE® IN A SMALLER PIPE I.D.
- PIPE I.D. MEASUREMENTS  
THE PIPE I.D. IS TO BE CHECKED IN THE FIELD. IT SHOULD BE A CONSISTENT DIAMETER FOR THE LENGTH OF VALVE AND SHOULD NOT BE OUT OF ROUND. WHEN THERE IS A +/- TOLERANCE ON THE PIPE I.D., THE CHECKMATE® VALVE SHOULD BE ORDERED TO THE SMALLEST PIPE I.D., THEN RUBBER ADHESIVE STRIP CAN BE APPLIED TO BOTH CHECKMATE® CUFFS TO BUILD THE CUFF O.D. UP TO THE ACTUAL PIPE I.D.
- RUBBER ADHESIVE STRIP BUILD UP  
WHEN VALVE O.D. IS SMALLER THAN THE PIPE I.D., ONE-SIDED RUBBER ADHESIVE STRIP IS USED TO BUILD UP THE O.D. OF BOTH CHECKMATE® CUFFS TO THE ACTUAL PIPE I.D.
- PREPARATION  
THE CHECKMATE® VALVE USES EXPANDING CLAMP(S) TO EXERT PRESSURE OUTWARDS ON THE WALLS OF THE VALVE TO WEDGE IT IN PLACE WITHIN THE PIPE. THE WALLS OF THE PIPE SHOULD BE CLEAN AND FREE OF DEBRIS PRIOR TO INSTALLATION. THE VALVE SHOULD BE INSERTED FULLY INTO THE PIPE SO THAT NO PART OF THE CUFF OR BILL EXTENDS OUTSIDE THE PIPE. ENSURE THAT THE VALVE IS NOT SLANTED AT AN ANGLE WITH THE BILL POINTING UPWARDS OR DOWNWARDS. THE VALVE CENTERLINE SHOULD BE PARALLEL TO THE PIPE CENTERLINE. TIDEFLEX® TECHNOLOGIES RECOMMENDS PINNING THE CHECKMATE® VALVE ON ALL INSTALLATIONS. SEE BELOW. FOUR PRE-DRILLED HOLES ARE PROVIDED IN EACH EXPANSION CLAMP. AT LEAST ONE CLAMP SHOULD BE PINNED. ON EXPOSED PIPE, HOLES CAN BE DRILLED THROUGH THE VALVE AND PIPE, AND A BOLT RUN THROUGH SECURED WITH A NUT. FOR BURIED PIPE, SILICON OR SIMILAR

INLINE CHECKVALVE NOTES:

- INLINE CHECK VALVE SHALL BE RED VALVE 18" CHECKMATE MODEL CMCBUF-180. THERE IS NO APPROVED EQUAL OR SUBSTITUTE.
- CONTRACTOR SHALL INSTALL CHECK VALVE ACCORDING TO MANUFACTURERS SPECIFICATIONS AND INSTALLATION PROCEDURES.
- CONTRACTOR SHALL NOTIFY MANUFACTURER OF INSTALLATION BEFORE CONSTRUCTION BEGINS.
- RED VALVE CONTACT: ALEX GORDON | 412-848-1720 | AGORDON@REDVALVE.COM

SEALANT SHOULD BE USED TO SEAL BOLTS.

- LUBRICATION  
THE OUTSIDE OF THE VALVE CAN BE LUBRICATED WITH A WATER-BASED LUBRICANT PRIOR TO INSERTING THE VALVE INTO THE PIPE. IF THE TAPING PROCEDURE HAS BEEN USED, THE SURFACE OF THE TAPE CAN BE LUBRICATE TO AID INSERTION.
- PLUMB LINES AND ARROWS  
THE CHECKMATE® VALVE ARRIVES WITH A "TOP" ARROW, "FLOW" ARROW AND PLUMB LINES, MARKED IN WHITE. AT THE 12:00 AND 6:00 POSITION OF THE VALVE. UTILIZE THIS MARKING TO ORIENT THE VALVE IN THE PIPE, AS WELL AS TO ENSURE THE VALVE IS ORIENTED CORRECTLY IN PIPE SECTION.
- VALVE ORIENTATION  
THE CHECKMATE® VALVE MUST BE INSTALLED IN A HORIZONTAL PIPE. VALVES 4" - 18" (NOMINAL) ARE SUPPLIED WITH A SINGLE CLAMP. THE CLAMP TURNBUCKLE SHOULD BE ORIENTED AT TOP DEAD CENTER AS DELIMATED BY THE PLUMB LINE. VALVES 20" - 60" (NOMINAL) ARE SUPPLIED WITH TWO CLAMPS. THE TURNBUCKLES SHOULD BE ORIENTED 45° FROM THE TOP CENTER PLUMB LINE. THE 72" IS SUPPLIED WITH THREE CLAMPS. THE TURNBUCKLE FOR ONE CLAMP TO BE AT TOP CENTER. THE OTHER CLAMPS TO BE 45° TO EACH SIDE OF TOP CENTER.
- INSERTION INTO PIPE  
CLAMP TO SUPPORT THE SHAPE OF THE CUFF SHOULD BE HAND TIGHT AND SHOULD BE EXTENDED OUTWARD, BUT ONLY TIGHT ENOUGH TO LOOSELY KEEP THE SHAPE OF THE CUFF DURING INSTALLATION.
- PALLET PUSH FOR LARGER CHECKMATE® VALVES  
LARGER CHECKMATE® VALVES CAN BE PUSHED INTO THE PIPE UTILIZING THE SHIPPING PALLET. THE PALLET SHOULD BE PLACED PERPENDICULAR TO THE VALVE BEING INSERTED INTO THE PIPE. THEN, WITH ASSISTANCE FROM AN EXCAVATOR, PUSH WITH CONSISTENT EVEN FORCE AGAINST THE SHIPPING PALLET TO INSERT THE CHECKMATE® VALVE INTO THE PIPE. SEE THE IMAGE TO THE RIGHT FOR THE SUGGESTED POSITIONING AND USAGE OF THE EXCAVATOR'S SHOVEL ASSISTANCE FOR LARGER-SIZED CHECKMATE® VALVES. CLAMPS MUST BE INSTALLED TO PREVENT DAMAGE TO CUFF.
- CORRUGATED PIPE AND SMOOTH WALL (PVC, HDPE) PIPE INSTALLATION  
FOR INSTALLATION ON CORRUGATED PIPE, IT IS RECOMMENDED THAT THE CORRUGATIONS BE FILLED WITH HYDRAULIC CEMENT (OR SIMILAR MATERIAL) THAT WILL PROVIDE A SMOOTH I.D. FOR SMOOTH WALL PIPE, IT IS RECOMMENDED THAT THE VALVE BE PINNED.
- FLANGED VALVE BOLT TORQUES  
THE VALVE END WITH THE RUBBER FLANGE SHALL BE INSTALLED USING THE BACKUP RINGS PROVIDED. THE SLEEVE SPLIT SHOULD BE INSTALLED FACING DOWNSTREAM, WITH THE SPLIT IN THE VERTICAL POSITION. THE INSTALLATION BOLT TORQUE ON THE END FLANGE BOLTS ARE LISTED IN THE MANUFACTURERS INSTALLATION PROCEDURES.

INLINE CHECKVALVE MAINTENANCE NOTES:

- INSPECTION  
VALVES SHOULD OCCASIONALLY BE INSPECTED FOR DAMAGE, WEAR, AND BUILDUP OF DEBRIS. THE FREQUENCY OF THE INSPECTIONS SHOULD BE DETERMINED BY THE SEVERITY OF THE SERVICE AND THE ENVIRONMENT IN WHICH IT OPERATES. THE CLAMPS SHOULD BE CHECKED FOR PROPER TENSION, AND BE SURE THAT THE INSIDE OF THE VALVE IS FREE OF DEBRIS.
- RED VALVE CONTACT: ALEX GORDON | 412-848-1720 | AGORDON@REDVALVE.COM

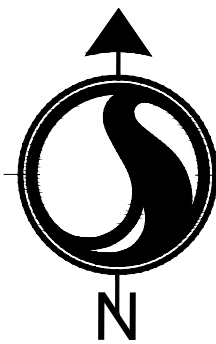
INLINE CHECKVALVE STORAGE NOTES:

- IF YOUR CHECKMATE® IS TO BE STORED FOR A PERIOD OF TIME PRIOR TO INSTALLATION, THE FOLLOWING STORAGE GUIDELINES WILL HELP TO PRESERVE THE VALVE AND ASSURE A TROUBLE-FREE INSTALLATION:
  - STORE IN A CLEAN, COOL, DRY LOCATION. AVOID EXPOSURE TO LIGHT, ELECTRIC MOTORS, DIRT, OR CHEMICALS.
  - STORE VALVE VERTICALLY ON FLOOR OR PALLET.
  - STORE VALVE TO PREVENT OTHER ITEMS FROM CONTACTING CHECK SLEEVE TO PREVENT POSSIBLE DAMAGE.
  - STORE THIS MANUAL WITH THE VALVE, SO THAT IT IS READILY AVAILABLE AT TIME OF INSTALLATION.

SITE 6

SITE 7

SITE 7



0 60' 160'  
1" = 60'



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Legend

- LD LIMITS OF DISTURBANCE
- 15 EXISTING CONTOURS
- 29 PROPOSED CONTOUR
- SF SILT FENCE
- DSF DOUBLE ROW SILT FENCE
- MILL AND OVERLAY
- DRAINAGE FLOW ARROW
- SPOT ELEVATION

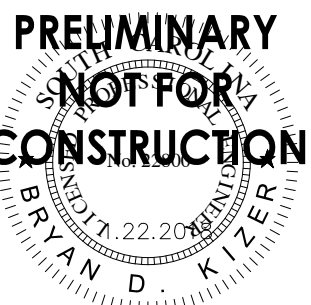
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CB - CATCH BASIN (SCDOT STANDARD DETAIL 719-110-01)  
JB - JUNCTION BOX (SCDOT STANDARD DETAIL 719-110-02)

1. STORM DRAINAGE REVISION	TN	BK	20201013
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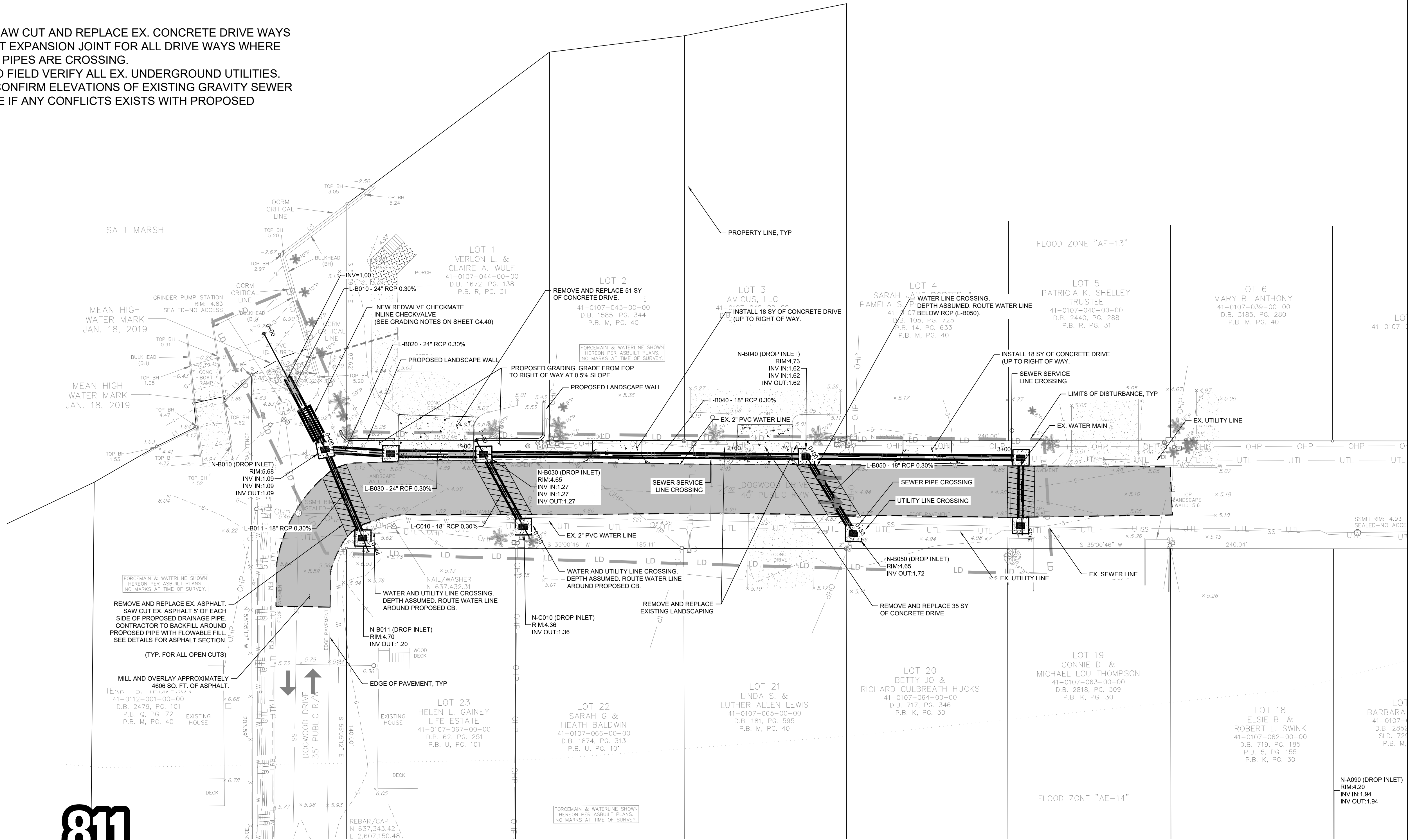
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Title

SITE 6 GRADING AND DRAINAGE PLAN

Project No.	Scale
178420927	
Revision	Sheet
	46 of 62
	C5.41









NOTE

- CONTRACTOR TO SAW CUT AND REPLACE EX. CONCRETE DRIVE WAYS FROM EOP TO FIRST EXPANSION JOINT FOR ALL DRIVE WAYS WHERE PROPOSED STORM PIPES ARE CROSSING.
- CONTRACTOR IS TO FIELD VERIFY ALL EX. UNDERGROUND UTILITIES.
- CONTRACTOR TO CONFIRM ELEVATIONS OF EXISTING GRAVITY SEWER LINE TO DETERMINE IF ANY CONFLICTS EXISTS WITH PROPOSED DRAINAGE PIPES.





Legend

	LD	LIMITS OF DISTURBANCE
	15	EXISTING CONTOURS
	29	PROPOSED CONTOUR
	SF	SILT FENCE
	DSF	DOUBLE ROW SILT FENCE
		MILL AND OVERLAY
		DRAINAGE FLOW ARROW
	16.50	SPOT ELEVATION

FG - FINISHED GRADE ELEVATION  
CB - CATCH BASIN (SCDOT STANDARD DETAIL 719-110-01)  
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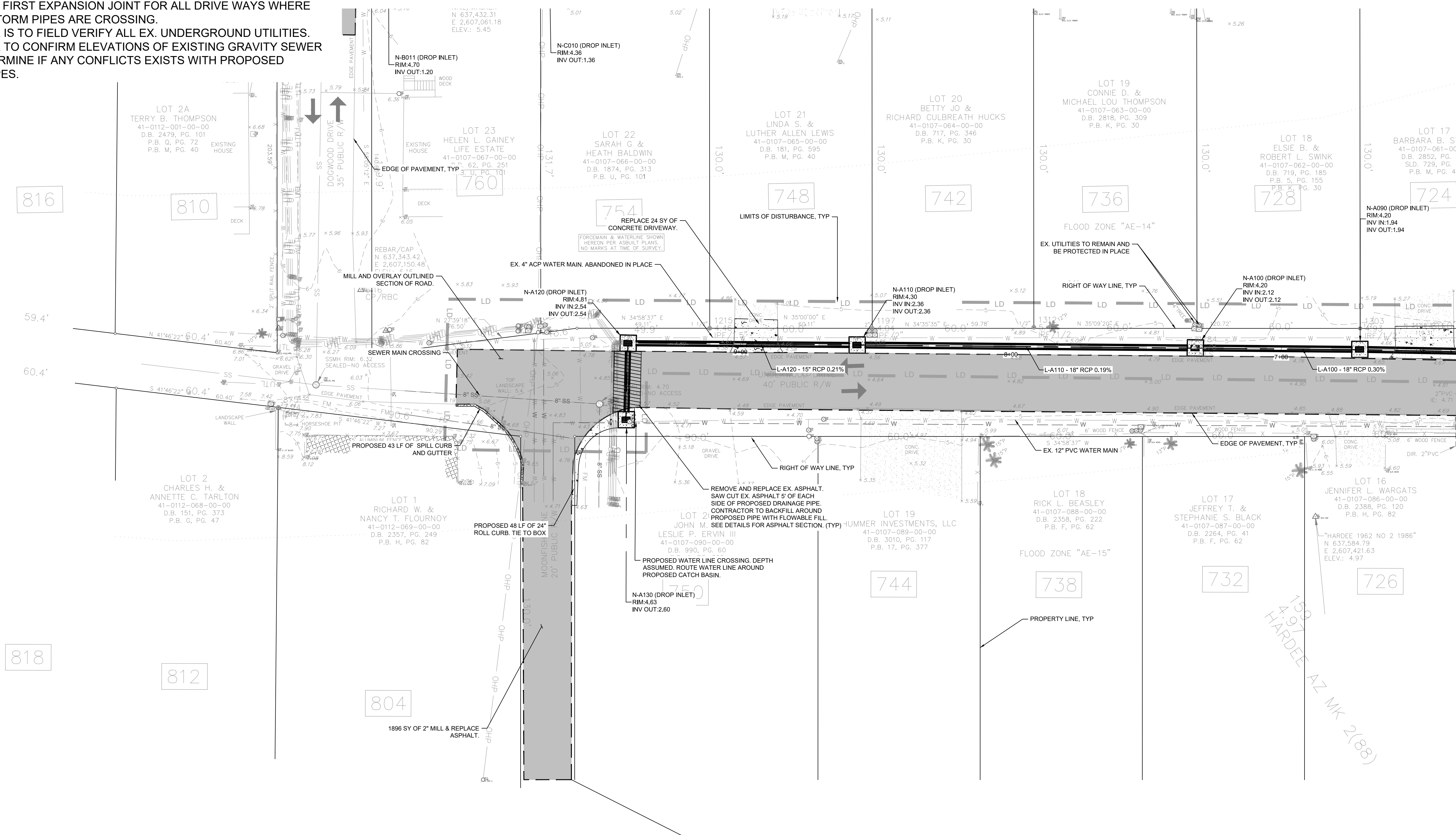
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Title

SITE 7 GRADING AND DRAINAGE PLAN 1

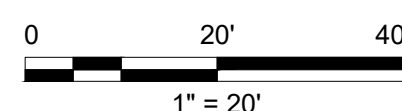
Project No. 178420927		Scale
Revision	Sheet 47 of 62	Drawing No. C5.42

**NOTE**

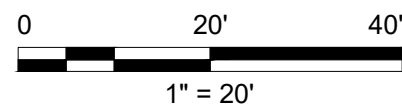
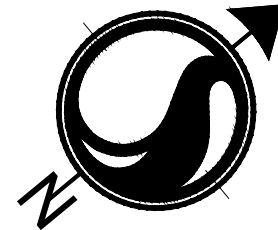
1. CONTRACTOR TO SAW CUT AND REPLACE EX. CONCRETE DRIVE WAYS FROM EOP TO FIRST EXPANSION JOINT FOR ALL DRIVE WAYS WHERE PROPOSED STORM PIPES ARE CROSSING.
2. CONTRACTOR IS TO FIELD VERIFY ALL EX. UNDERGROUND UTILITIES.
3. CONTRACTOR TO CONFIRM ELEVATIONS OF EXISTING GRAVITY SEWER LINE TO DETERMINE IF ANY CONFLICTS EXISTS WITH PROPOSED DRAINAGE PIPES.



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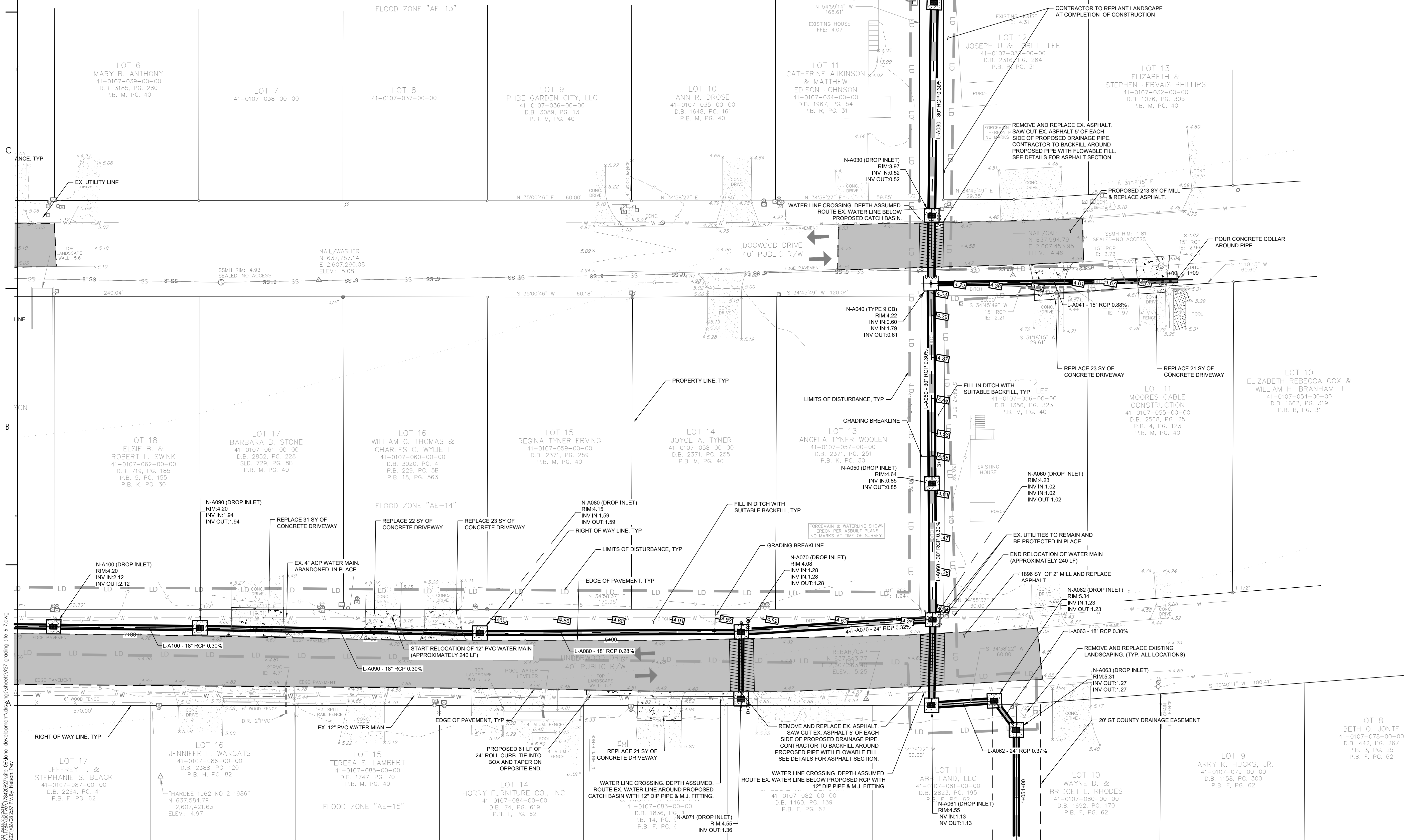




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#### NOTE

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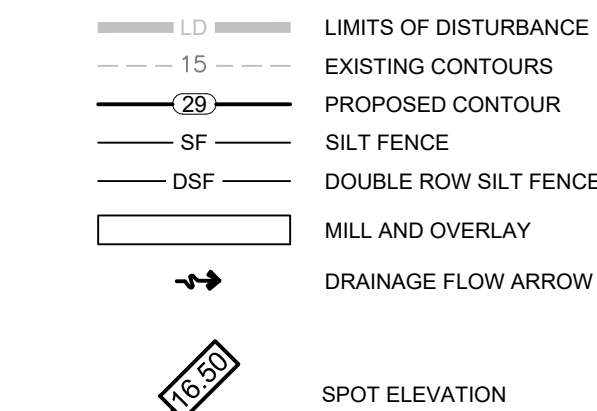
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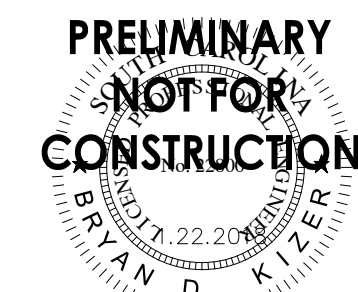
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#### SITE 7 GRADING AND DRAINAGE PLAN 2

Project No.	Scale
178420927	
Revision	Sheet
	48 of 62
Drawing No.	C5.43



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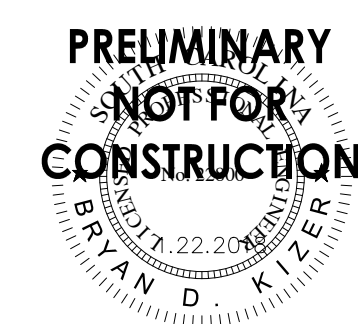
1. STORM DRAINAGE REVISION	TN	BK	20201013
Revision	By	Appd	YYYY.MM.DD

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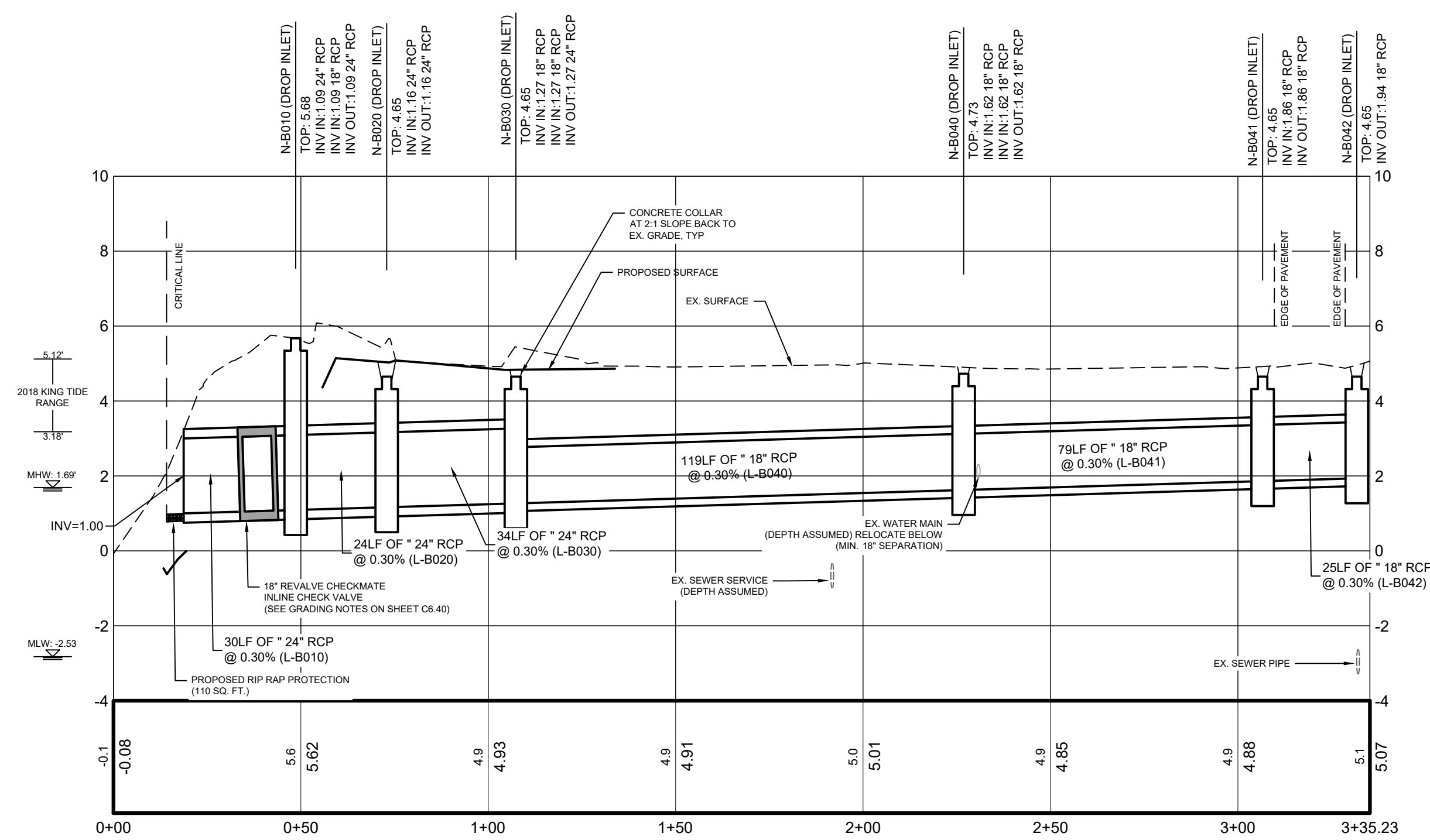
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IMPROVEMENTS  
SITES 2 - 7

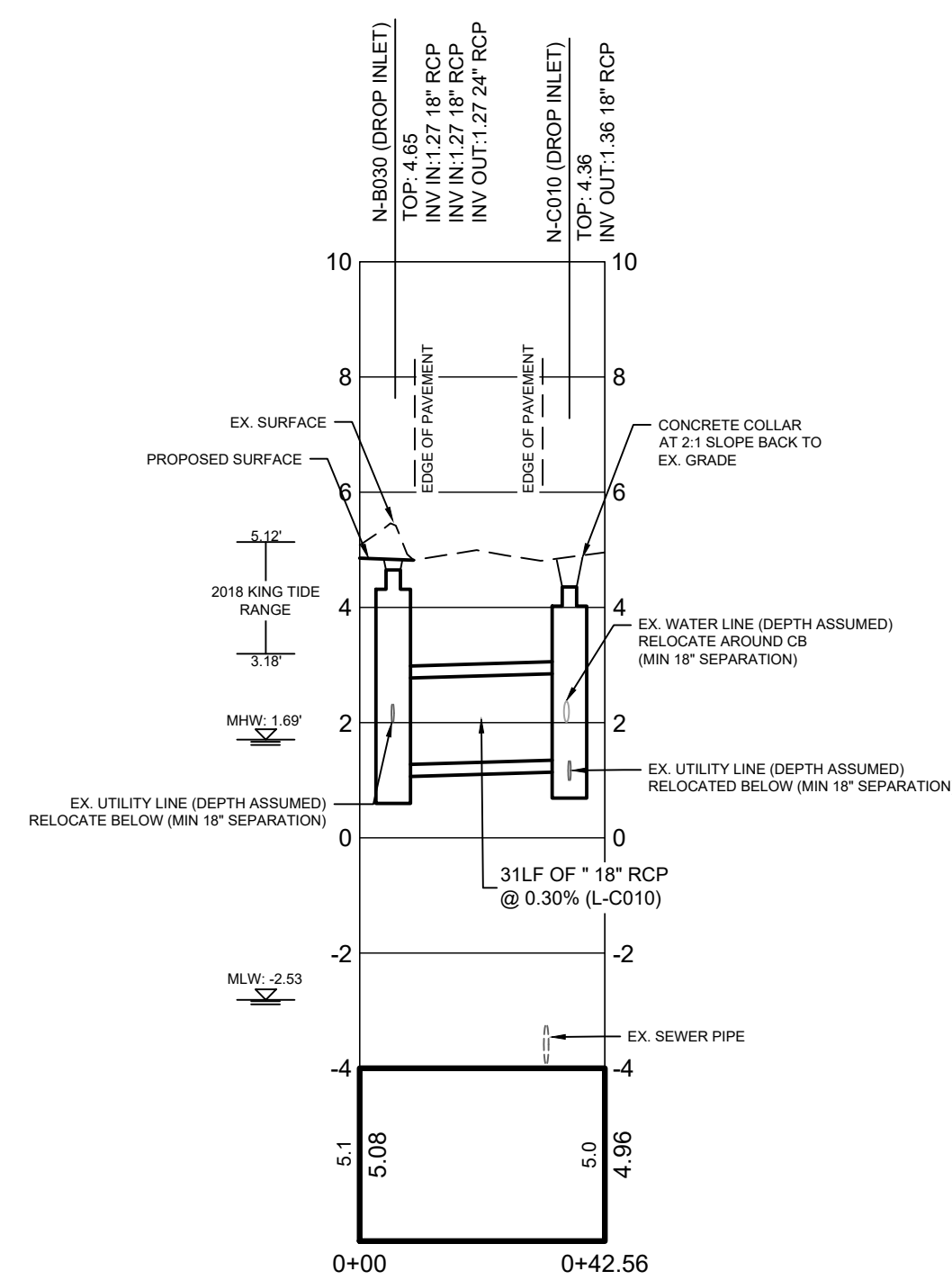
MURRELLS INLET, SOUTH CAROLINA  
Title

## SITE 6 GRADING PROFILES

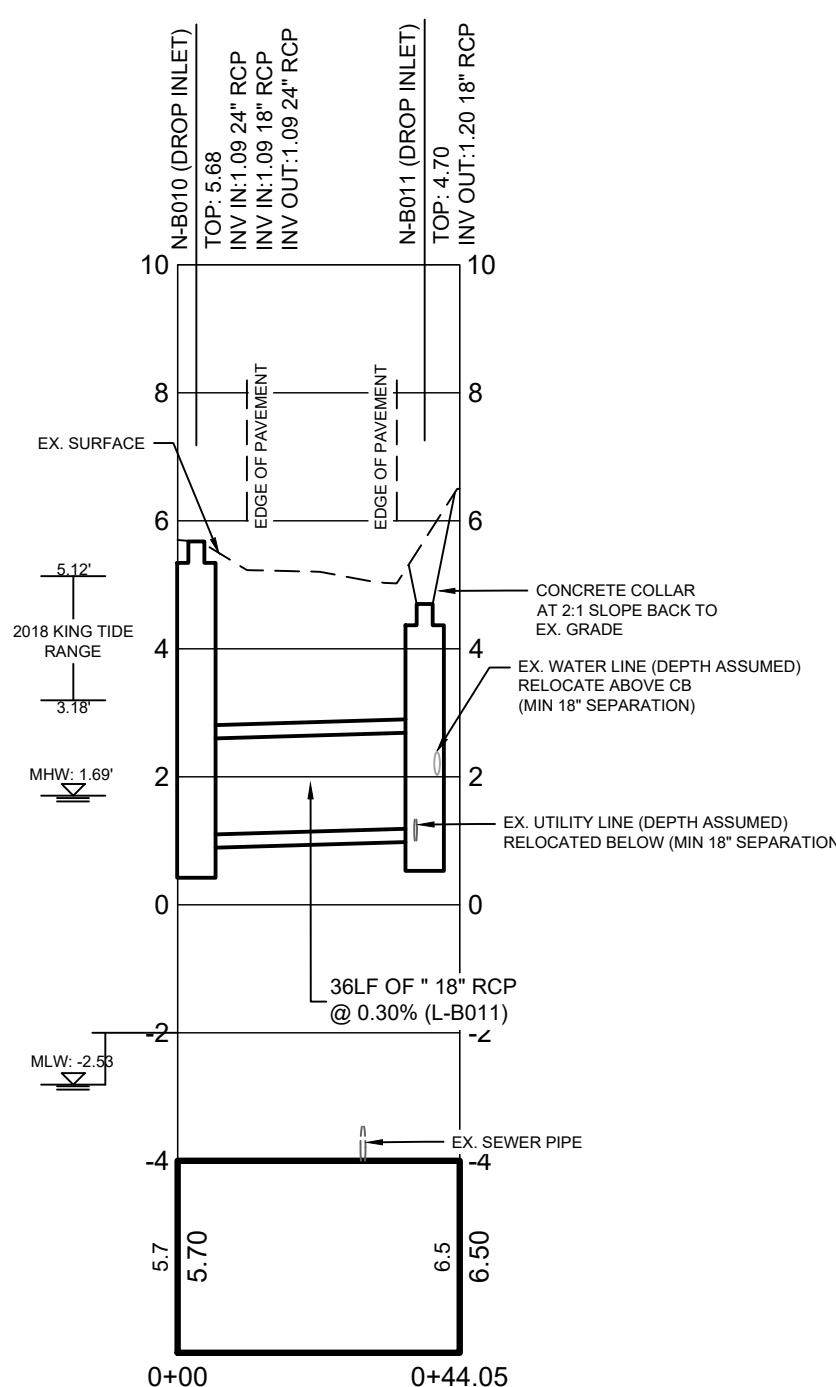
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Revision	Drawing No.
Sheet	
49 of 62	C5.44



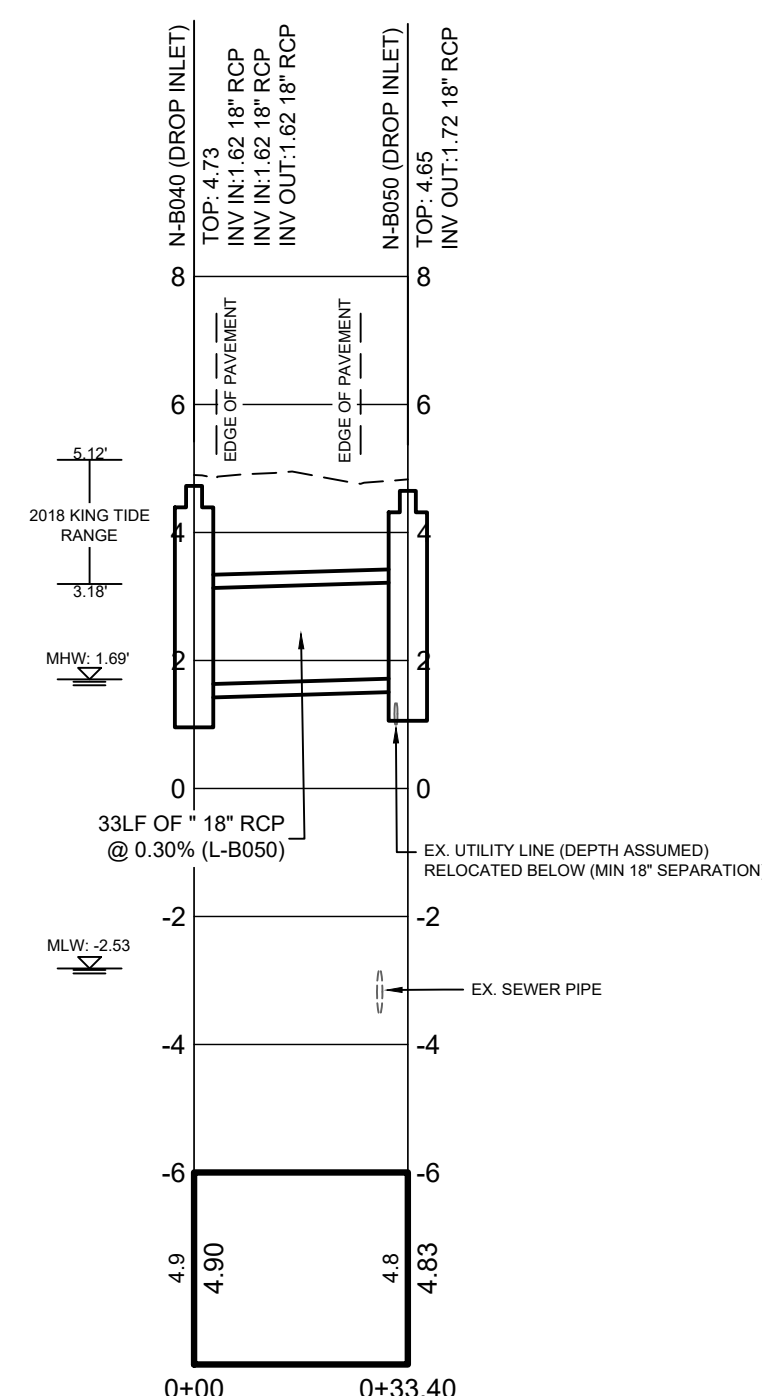
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V: 1"=3'



STORM LINE C PROFILE  
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STORM LINE B011 PROFILE  
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STORM LINE B050 PROFILE  
SCALE: H: 1"=30'  
V: 1"=3'

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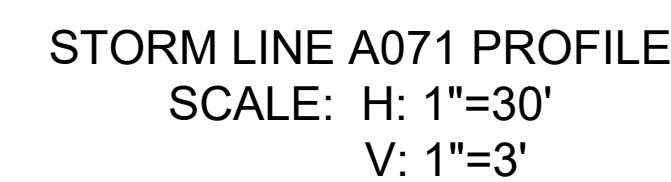
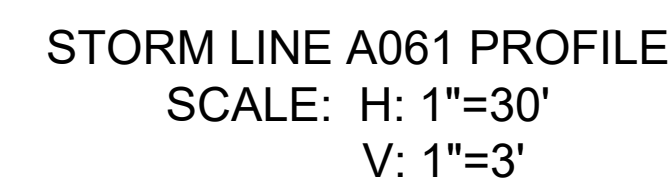
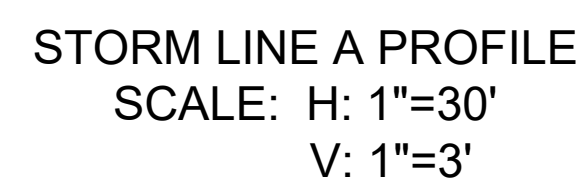
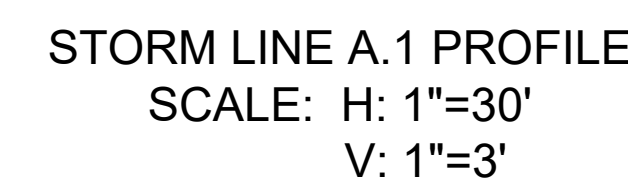
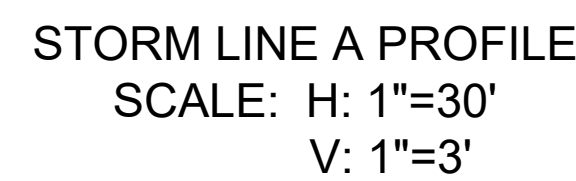
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Legend



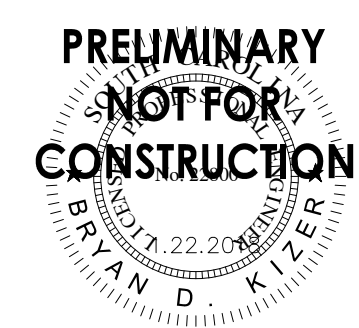
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MURRELLS INLET, SOUTH CAROLINA  
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## SITE 7 GRADING PROFILES

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CONSTRUCTION NOTES:

1. PORTABLE PLASTIC DRUMS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWING NUMBER 601-005-00, AND AS DIRECTED BY THE PLANS.
2. CONSTRUCTION OF THIS PROJECT REFERENCES THE FOLLOWING SCDOT STANDARD DRAWINGS:
  - 2.1. 601-005-00 WIDENING PROJECTS NEW ROADWAY CONSTRUCTION PRIMARY ROUTES
  - 2.2. 605-005-01 CONSTRUCTION SIGNING GROUND MOUNTED ASSEMBLY U CHANNEL POSTS - BREAKAWAY INSTALLATION
  - 2.3. 605-010-02 CONSTRUCTION SIGNING PERMANENT PRIMARY ROUTES
  - 2.4. 605-025-01 CONSTRUCTION SIGNING SPECIAL SIGNS LET 'EM WORK LET 'EM LIVE
  - 2.5. 605-030-02 CONSTRUCTION SIGNING "ROAD WORK" SIGNS "END ROAD WORK"
  - 2.6. 610-015-00 LANE CLOSURE NIGHT TIME URBAN LOW SPEED (<35 MPH)
  - 2.7. 610-205-00 RIGHT SHOULDER CLOSURE (CASE I/CASE II) PRIMARY ROUTES

CONSTRUCTION SEQUENCE:

1. INSTALL PERMANENT CONSTRUCTION SIGNS.
2. INSTALL PORTABLE PLASTIC DRUMS.
3. MAINTAIN MINIMUM ONE LANE OF TRAFFIC IN EACH DIRECTION ON EXISTING LANES, UTILIZING FLAGMEN.
4. CONSTRUCT SHADED PORTION OF MILL AND OVERLAY AS SHOWN.



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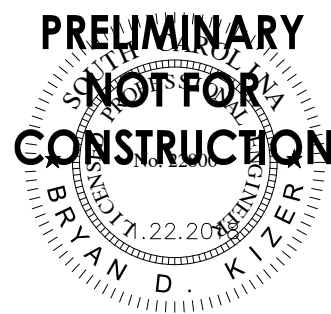
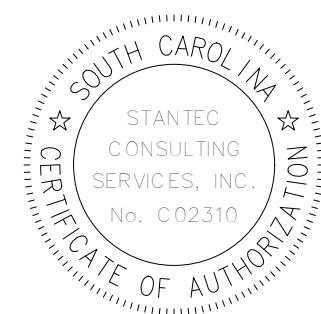
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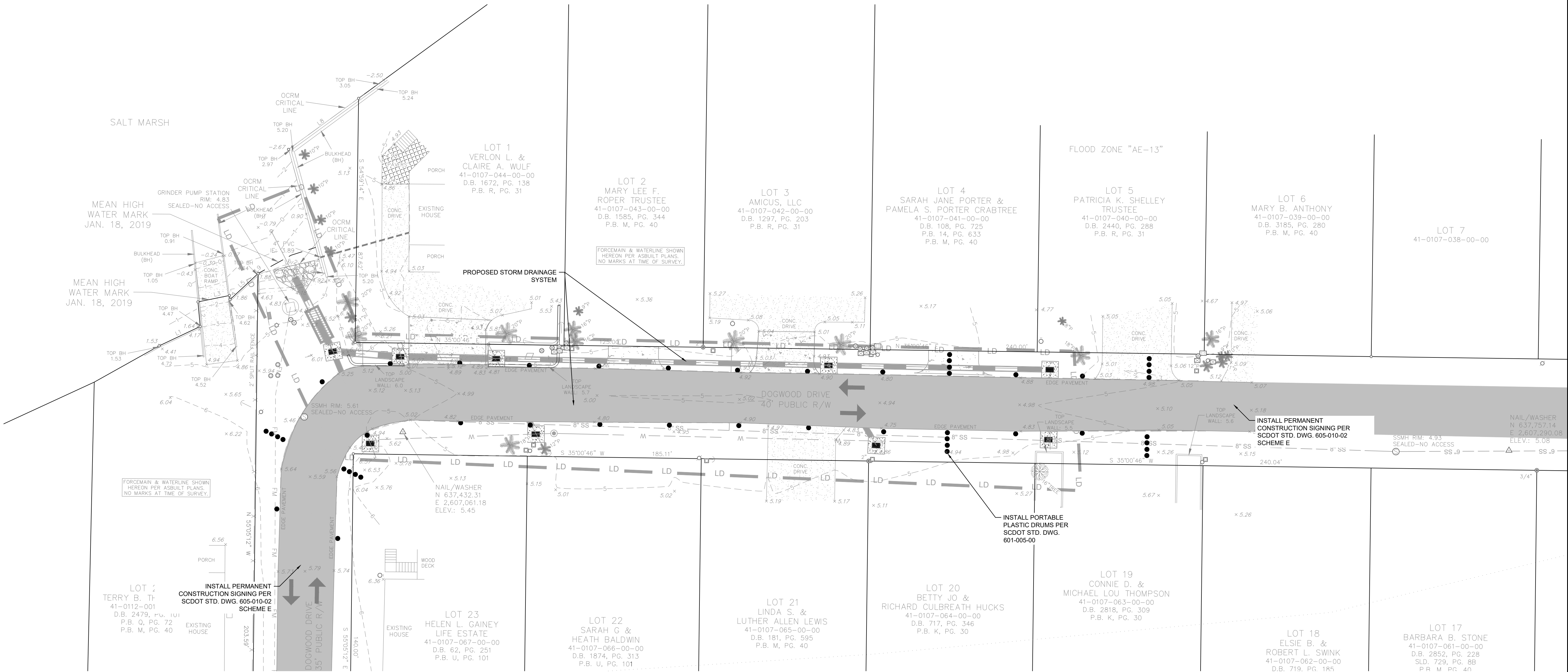
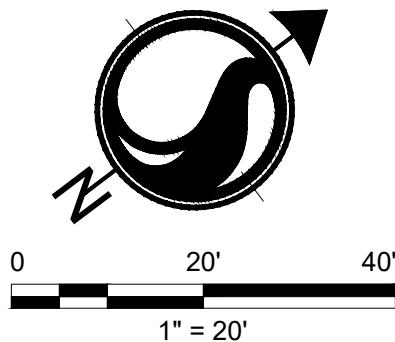
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MURRELLS INLET, SOUTH CAROLINA  
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SITE 6 TRAFFIC CONTROL PLAN

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	51 of 62
Drawing No.	C5.50





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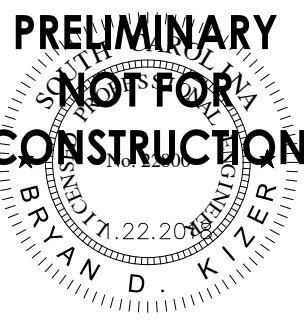
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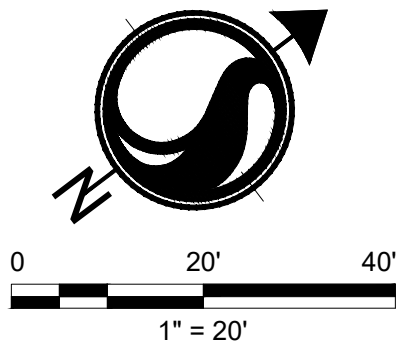
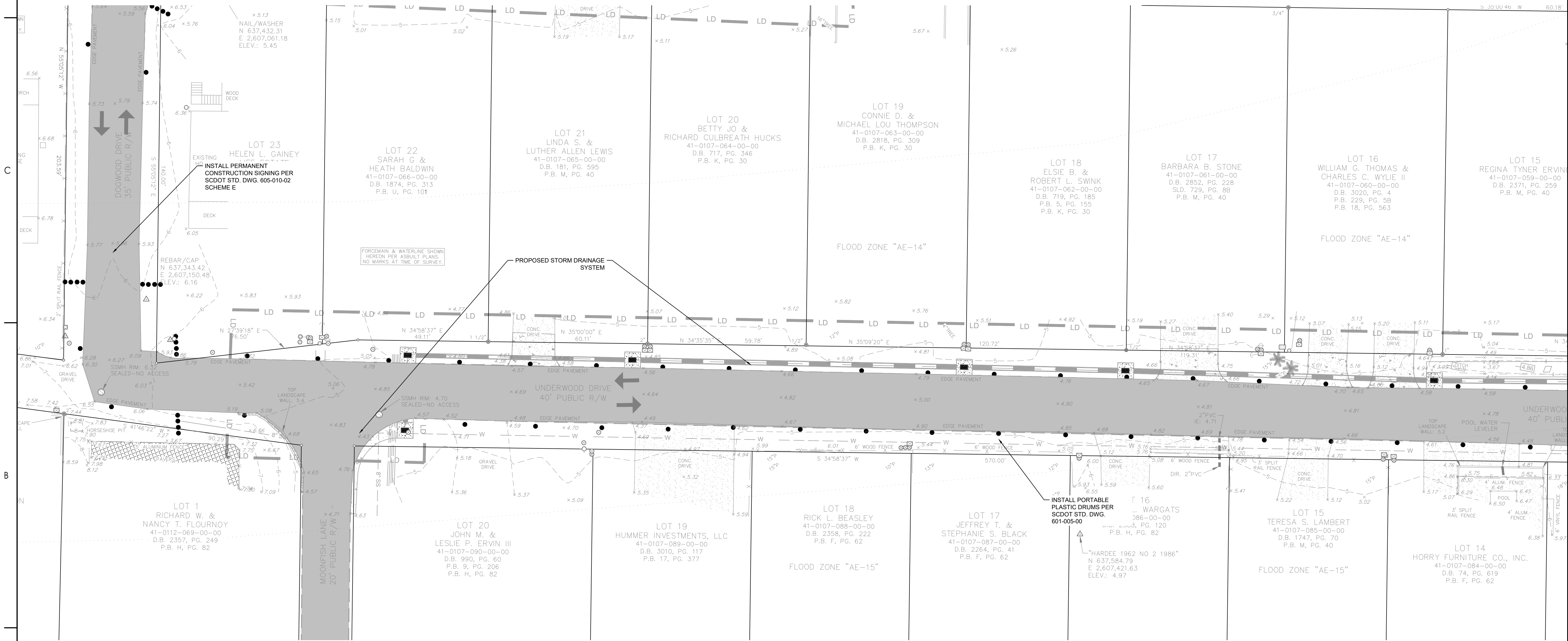
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SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
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SITE 7 TRAFFIC CONTROL PLAN 1

Project No.	Scale
178420927	
Revision	Sheet
	52 of 62
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2021/06/08 2:58 PM By: Nelson, Tiley

CORRECTIONS: AREC10





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#### SITE 7 TRAFFIC CONTROL PLAN 2

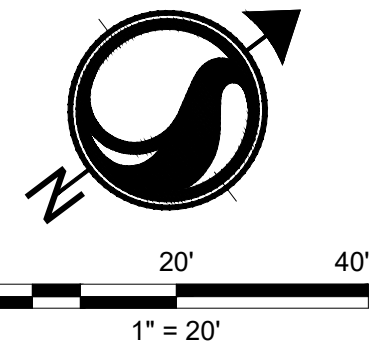
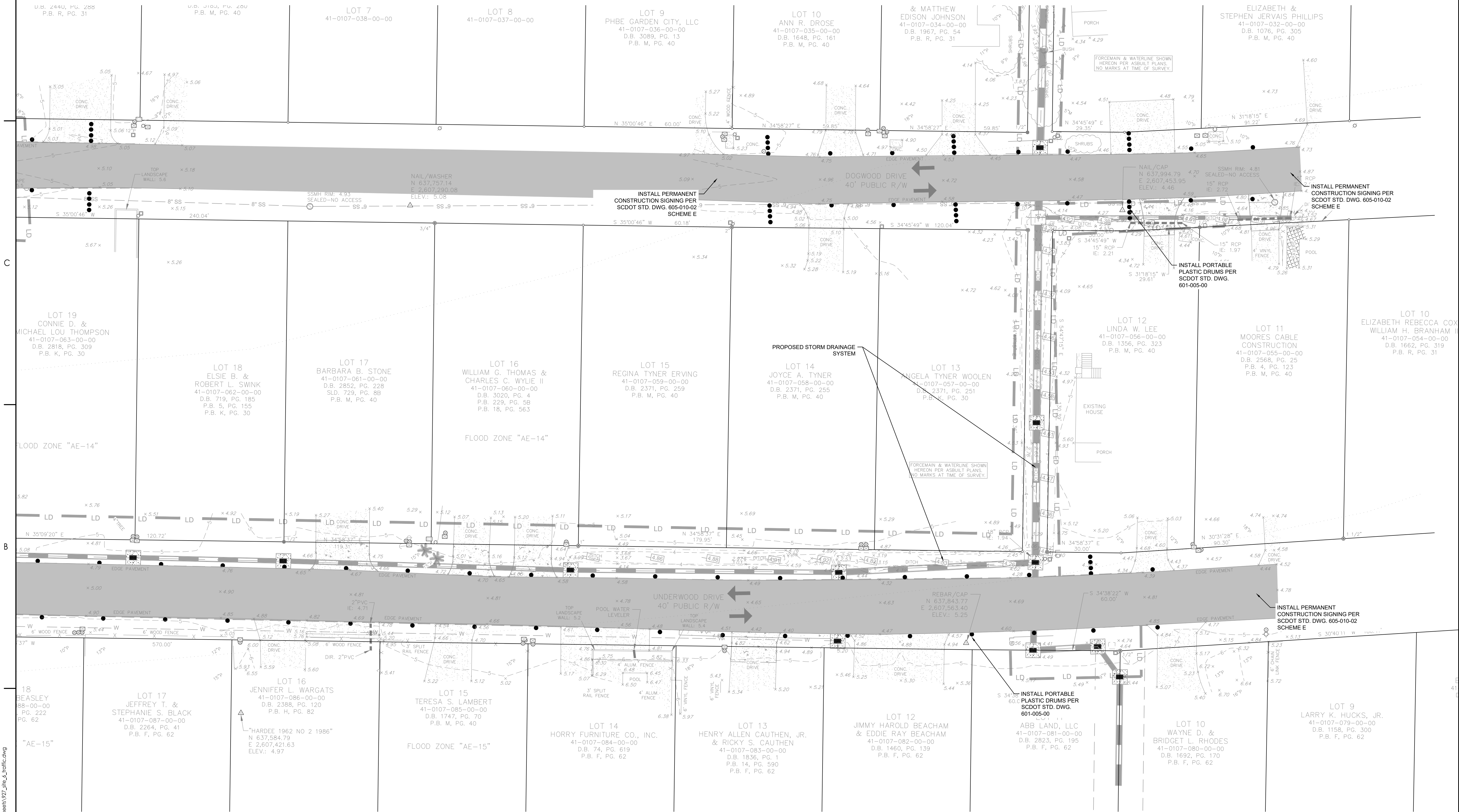
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178420927	
Revision	Sheet
	53 of 62
Drawing No.	C5.52

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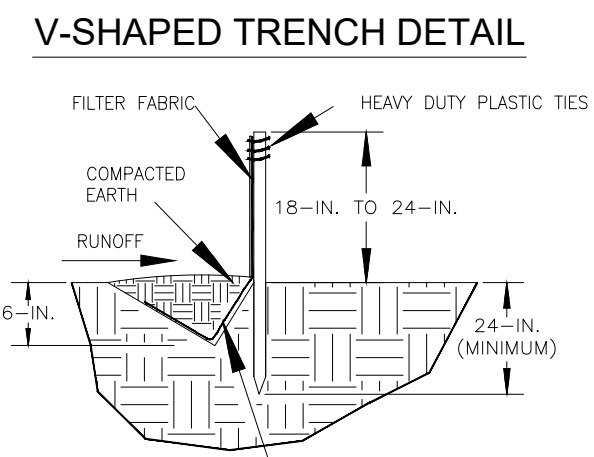


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2021/06/08 2:58 PM By: Nelson, Tiley

CORRECTION SHEET: AREC10



## SILT FENCE - INSPECTION & MAINTENANCE



### **SILT FENCE - GENERAL NOTES**

DO NOT place any other devices, 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 slope 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 the silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.

SILT FENCE

STANDARD DRAWING NO. SC-03 Page 1 of 2

NOT TO SCALE

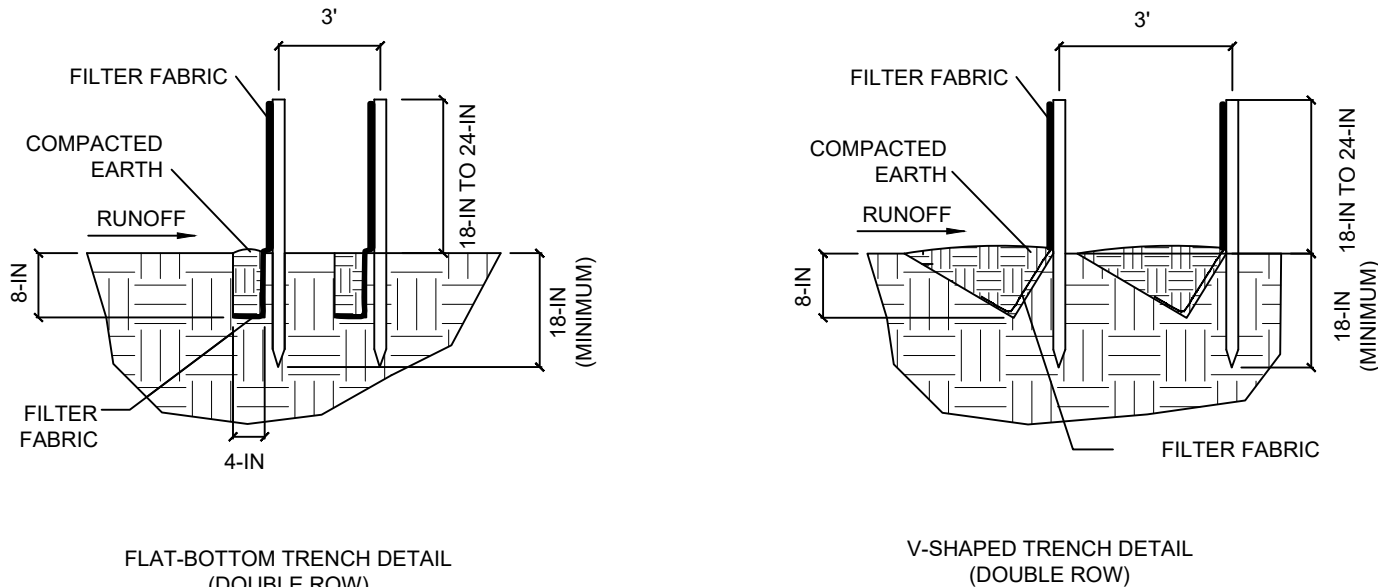
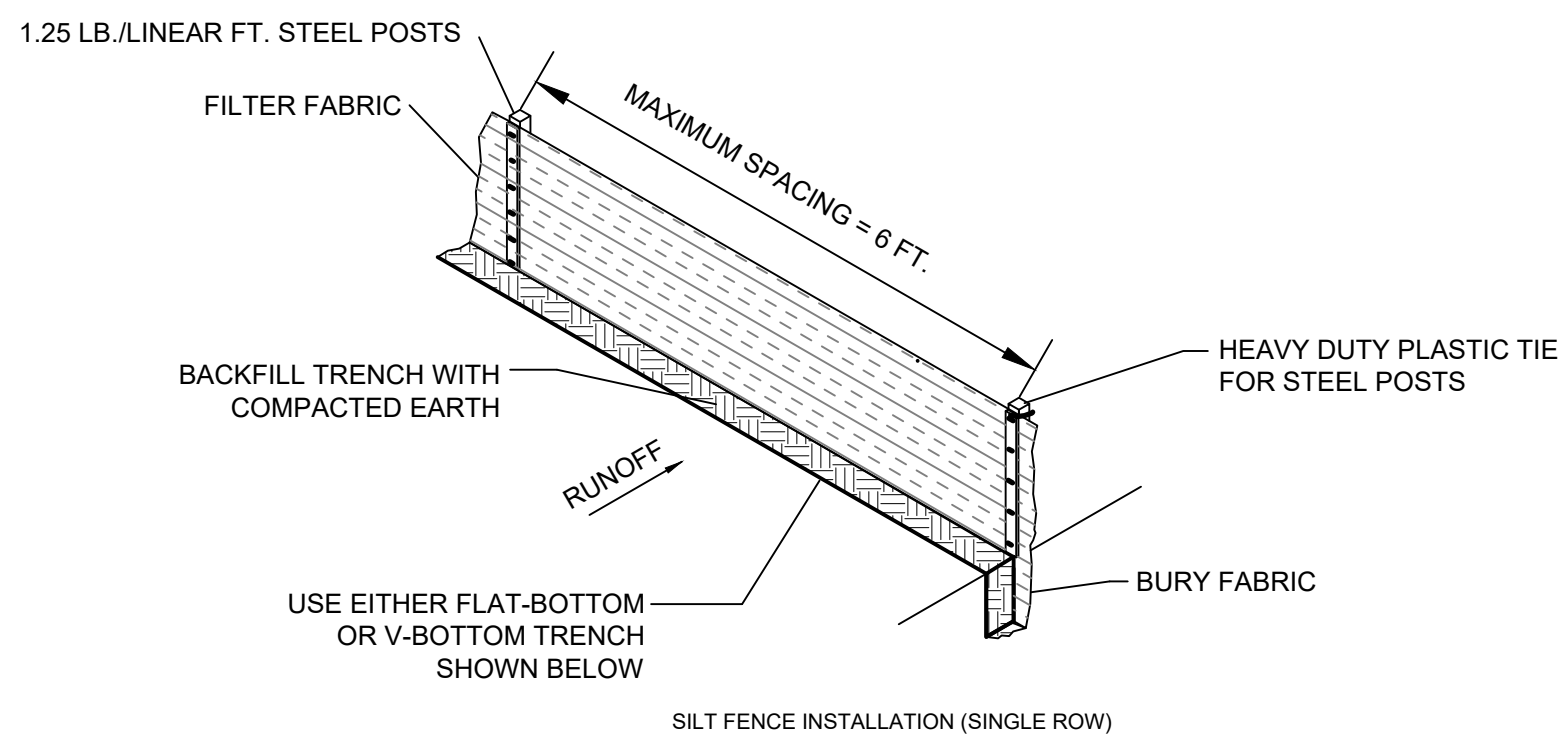
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DATE

# SILT FENCE

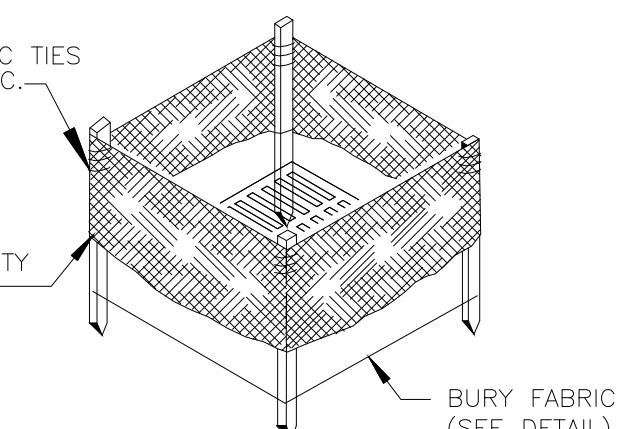
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GENERAL NOTES

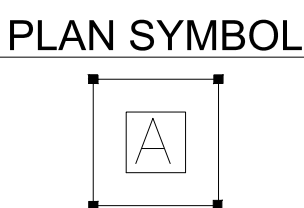
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DOUBLE ROW SILT FENCE  
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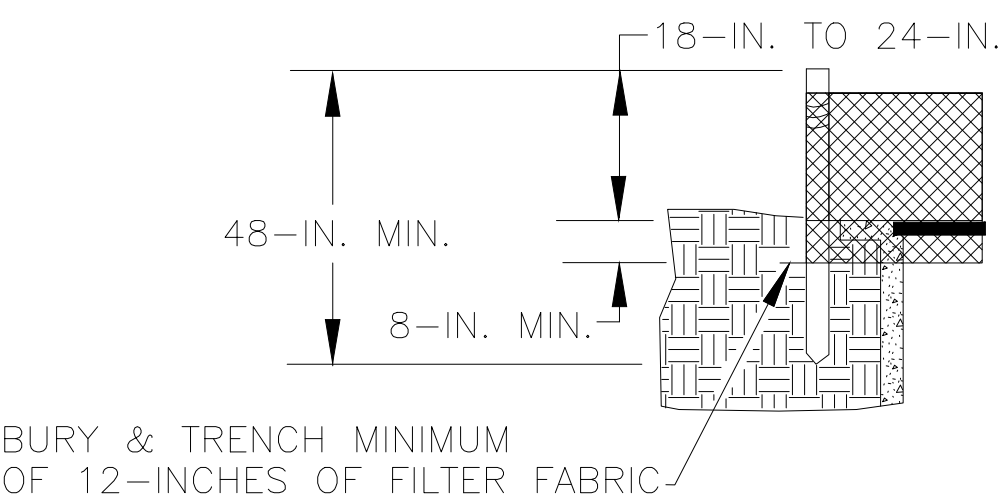


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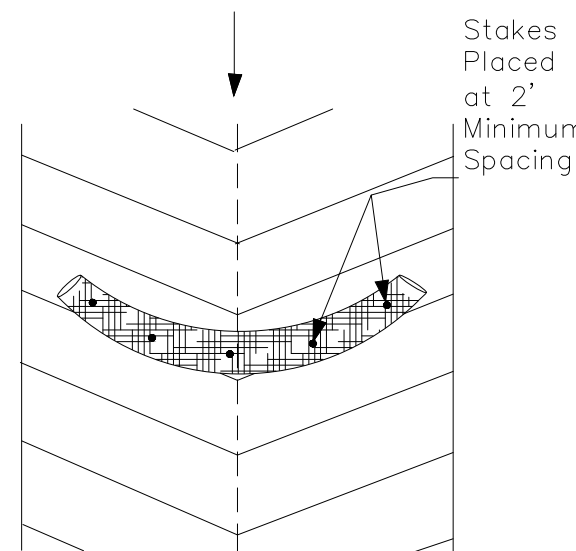
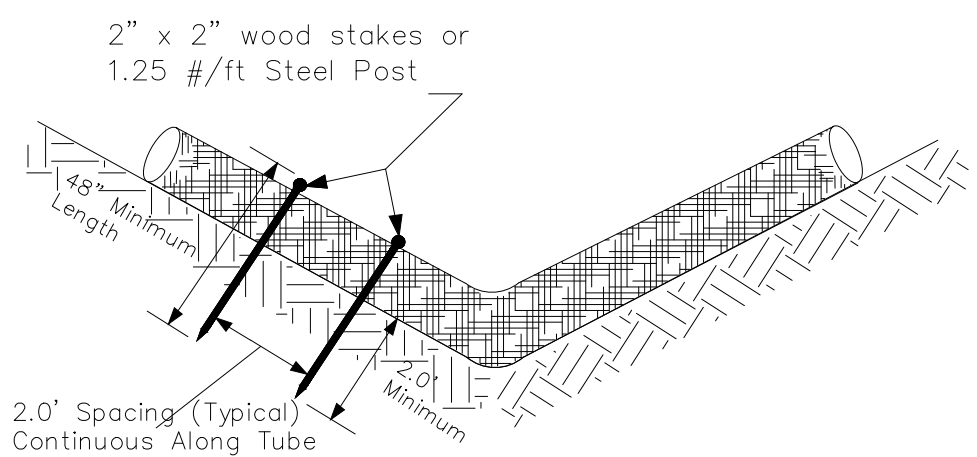


Type A	
FILTER FABIC INLET PROTECTION	
STANDARD DRAWING NO.	SC-07 PAGE 1 of 2
NOT TO SCALE	FEBRUARY 2014 DATE

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STANDARD DRAWING NO.	SC-07 PAGE 2 of 2
<h2 style="margin: 0;">GENERAL NOTES</h2>	
<div style="display: flex; justify-content: space-between;"> <span>FEBRUARY 2014</span> <span>DATE</span> </div>	



FLOW

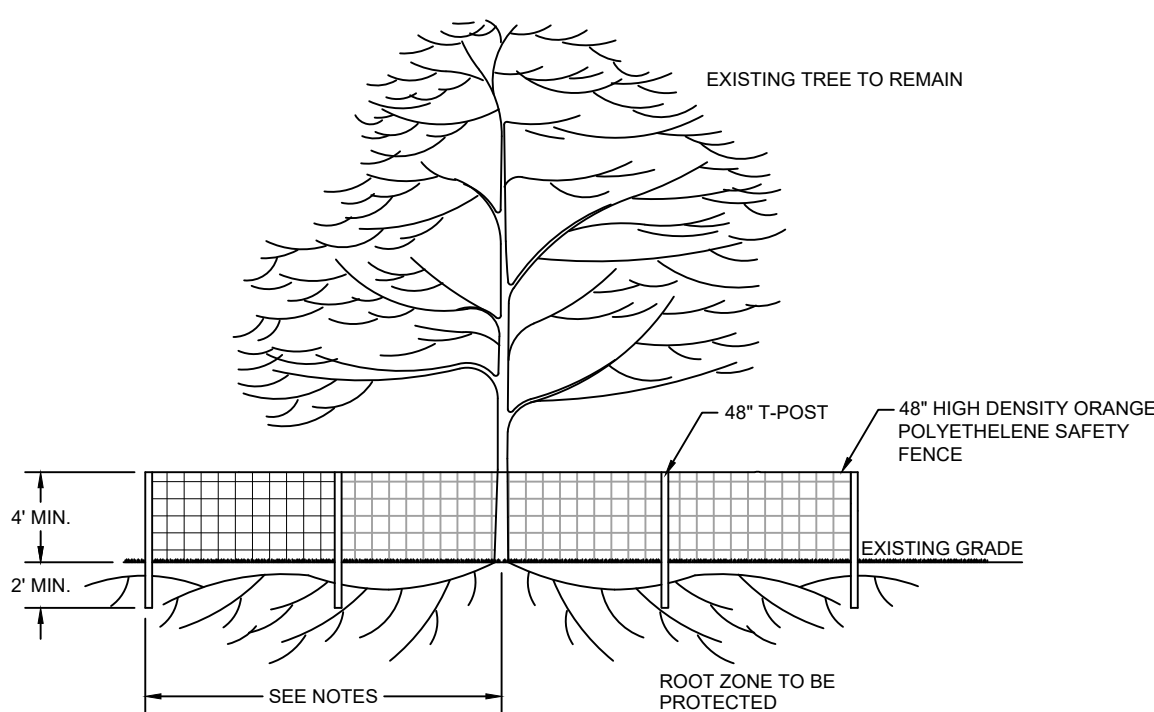


## PLAN SYMBOL

<h1 style="margin: 0;">SEDIMENT TUBES</h1>	
STANDARD DRAWING NO.	SC-05 PAGE 1 of 2
<h2 style="margin: 0;">NOT TO SCALE</h2>	<div style="display: flex; justify-content: space-between;"> <span>FEBRUARY 2014</span> <span>DATE</span> </div>

1. 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.
2. 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.
3. 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.
4. Sediment tubes, when used as checks within channels, should range between 18-inches and 24-inches depending on channel dimensions. Diameters outside this range may be allowed where necessary when approved.
5. Curled excelsior wood, or natural coconut products that are rolled up to create a sediment tube are not allowed.
6. 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.
7. 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 installation.
8. The ends of adjacent sediment tubes should be overlapped 6-inches to prevent flow and sediment from passing through the field joint.
9. 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.
11. 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.

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 event 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.
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.



**TREE PROTECTION DETAIL**  
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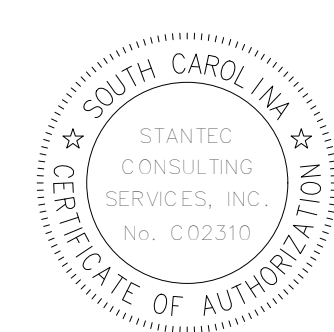
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## EROSION CONTROL DETAILS 1

Project No.		Scale
178420927		
Revision	Sheet	Drawin
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TEMPORARY VEGETATION SCHEDULE

SPECIES	RATE (LBS/AC)	OPTIMUM DATES TO PLANT	REMARKS
BROWNTOP MILLET (ALONE)	40	APRIL 20 - AUGUST 15	QUICK, DENSE COVER
BROWNTOP MILLET (MIX)*	10	APRIL 20 - AUGUST 15	QUICK, DENSE COVER
RYE GRAIN (ALONE)	56	FEBRUARY - MARCH, AUGUST 15 - NOVEMBER 20	QUICK COVER
RYE GRAIN (MIX)*	10	FEBRUARY - MARCH, AUGUST 15 - NOVEMBER 20	QUICK COVER
RYE GRASS (ALONE)	50	AUGUST 10 - OCTOBER 10	COMPETITIVE, DENSE
RYE GRASS (MIX)*	8	AUGUST 10 - OCTOBER 10	COMPETITIVE, DENSE

\* FOR DETAILS ON MIXES CONSULT THE CLEMSON UNIVERSITY HOME AND GARDEN INFORMATION CENTER AT (888) 656-9988 OR AT HTTP://HGIC.CLEMSON.EDU.

PERMANENT VEGETATION SCHEDULE

SPECIES	RATE (LBS/AC)	OPTIMUM DATES TO PLANT	REMARKS
BERMUDA GRASS (HULLED) (ALONE)	8-12	APRIL - JULY 15	QUICK COVER, SOD FORMING, PARTIAL WINTER KILL
BERMUDA GRASS (HULLED) (MIX)*	4-6	APRIL - JULY 15	QUICK COVER, SOD FORMING, PARTIAL WINTER KILL
FESCUE, TALL (KY31) (ALONE)	40	AUGUST 15 - OCTOBER	SELDOM SEEDED ALONE, NOT FOR DRY OR WET SITES
FESCUE, TALL (KY31) MIX*	20	AUGUST 15 - OCTOBER	SELDOM SEEDED ALONE, NOT FOR DRY OR WET SITES
ANNUAL RYE GRASS	15	AUGUST 15 - FEBRUARY	GOOD FOR SUPPRESSING WEEDS. DO NOT USE ITALIAN RYE GRASS.
CENTPEDE	10	MARCH 1 - APRIL 15	REQUIRES LOW MAINTENANCE AND FEWER CUTS.

\* FOR DETAILS ON MIXES CONSULT THE CLEMSON UNIVERSITY HOME AND GARDEN INFORMATION CENTER AT (888) 656-9988 OR AT HTTP://HGIC.CLEMSON.EDU.

SEEDING SCHEDULE

SEQUENCE OF CONSTRUCTION:

1. RECEIVE NPDES COVERAGE FROM SCDHEC.

2. NOTIFY SCDOT, PRE-CONSTRUCTION MEETING.

3. NOTIFY DHEC EQC REGIONAL OFFICE 48 HOURS PRIOR TO BEGINNING LAND-DISTURBING ACTIVITIES.

4. INSTALLATION OF TREE PROTECTION, PERIMETER SILT FENCE, AND DOUBLE ROW SILT FENCE.

5. POTHOLE UTILITY LOCATIONS AS SHOWN ON THE PLANS AND NOTIFY OWNER/ENGINEER.

6. CLEAR PROJECT TO LIMITS AS SHOWN.

7. CONSTRUCT DIVERSION SWALES AS NECESSARY TO CONVEY THE STORM WATER BEFORE THE PROPOSED STORM DRAINAGE SYSTEM IS FULLY FUNCTIONAL, INSTALLING SEDIMENT TUBES IF NECESSARY.

8. INSTALL PERIMETER SILT FENCE WHERE SEDIMENT IS OBSERVED TO BE LEAVING CONSTRUCTION AREAS. MAINTAIN PERIMETER SILT FENCE, DIVERSIONS, AND SEDIMENT TUBES.

9. DITCH GRADING WITHIN TEMPORARY CONSTRUCTION EASEMENT, PERMANENT/FINAL STABILIZATION OF DITCHES WITH SEEDING AND EROSION CONTROL MATTING.

10. REPLACE DAMAGED OR DEMOLISHED HARDSCAPE
- AND LANDSCAPE IN-KIND WITHIN THE TEMPORARY CONSTRUCTION EASEMENTS.

11. MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES MUST CONTINUE UNTIL THE SITE IS PERMANENTLY STABILIZED AND THE CONTROLS ARE REMOVED.

12. CONTACT GEORGETOWN COUNTY FOR FINAL INSPECTION AND CLOSE-OUT OF PROJECT. AS-BUILT, VIDEO AND CLOSE-OUT APPLICATION TO BE SUBMITTED FOR REVIEW AND APPROVAL AS REQUIRED BY GEORGETOWN COUNTY.

13. REMOVAL OF TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AFTER ENTIRE WORK AREA IS FINALLY STABILIZED (THE DEPARTMENT RECOMMENDS THAT THE PROJECT OWNER/OPERATOR HAVE THE SWPPP PREPARER OR REGISTRATION EQUIVALENT APPROVE THE REMOVAL OF TEMPORARY STRUCTURES).

14. SUBMIT TO DHEC FOR N.O.T. WITHIN 30 DAYS OF FINAL STABILIZATION.



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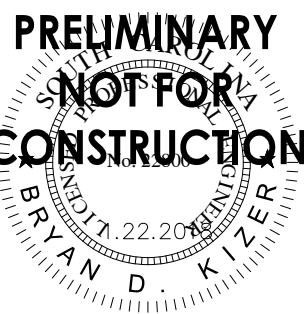
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Legend

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Revision	By	Appd	YYYY.MM.DD

FOR PERMIT REVIEW	By	Appd	YYYY.MM.DD
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	Dwn.	Dsgn.	Chkd.
			YYYY.MM.DD

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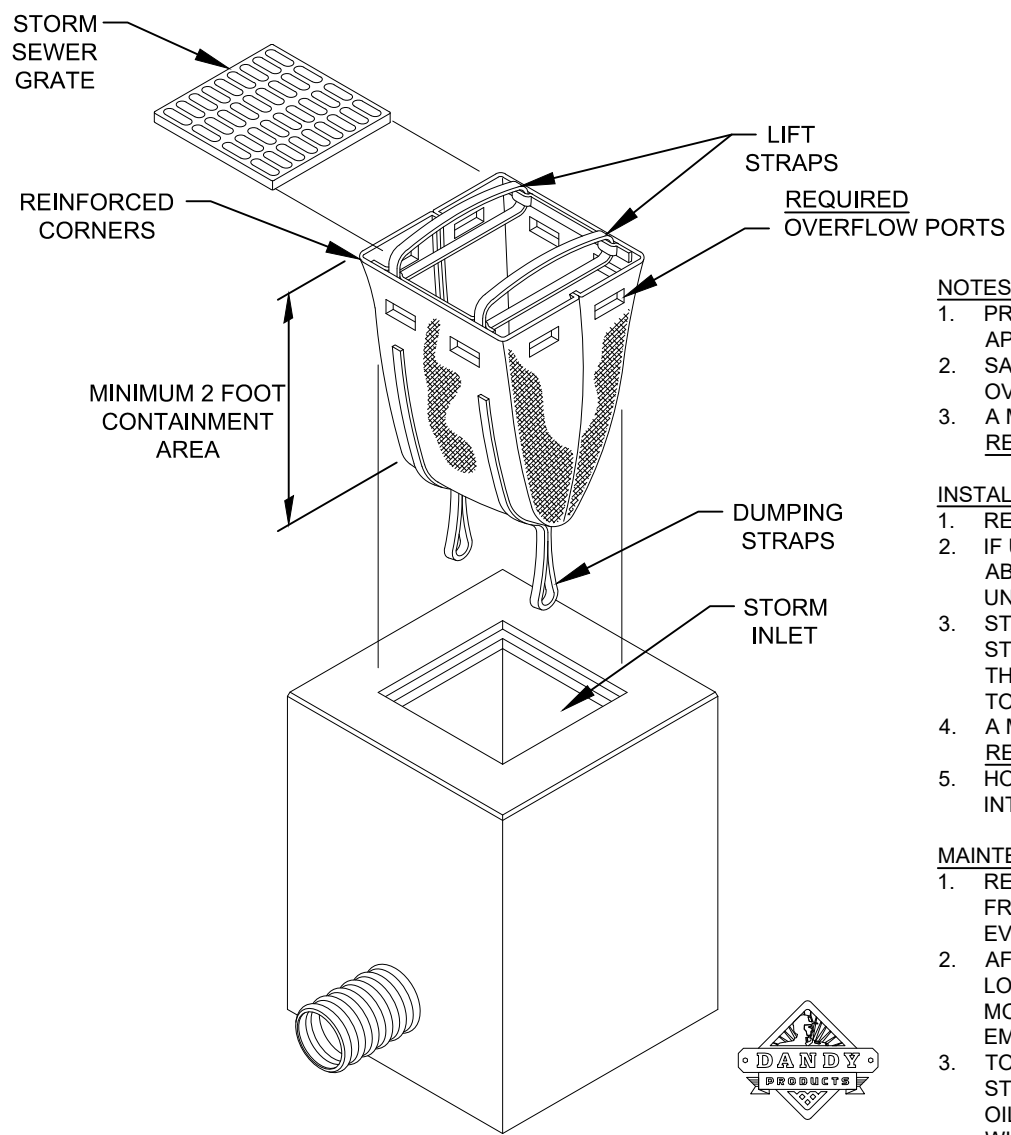
Client/Project Logo

Client/Project  
GEORGETOWN COUNTY  
GARDEN CITY DRAINAGE  
IMPROVEMENTS  
SITES 2 - 7

MURRELLS INLET, SOUTH CAROLINA  
Title

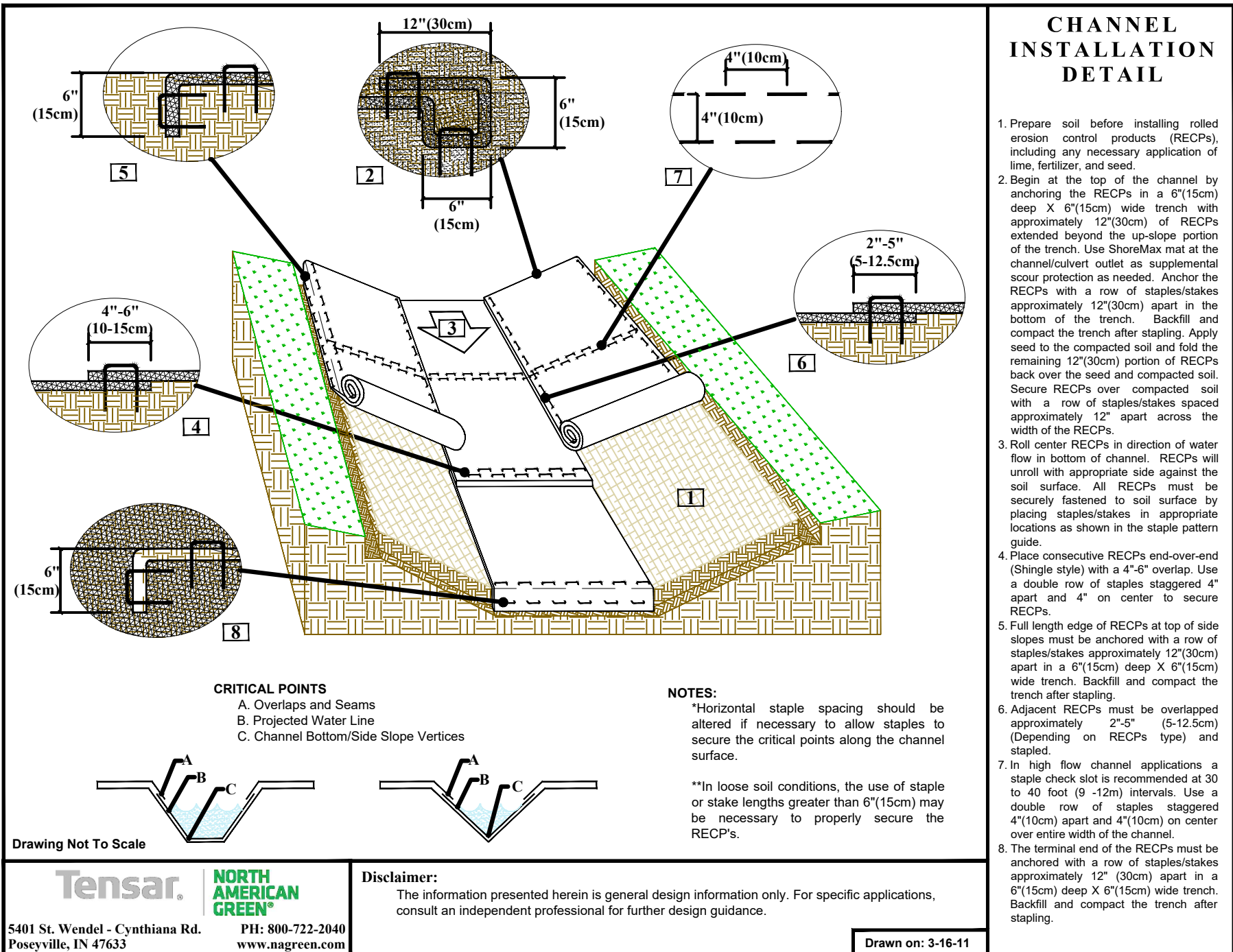
EROSION CONTROL DETAILS 2

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	Drawing No.
	C6.11



- NOTES:
- PRODUCT SHALL BE HIGH FLOW DANDY SACK OR APPROVED EQUAL.
  - SACK SHALL HAVE REQUIRED OVERFLOW PORTS (OR OVERFLOW CAPABILITY) FOR LARGE STORM EVENTS.
  - A MINIMUM 2 FOOT SAG (CONTAINMENT AREA) IS REQUIRED.
- INSTALLATION:
- REMOVE THE GRATE FROM CATCH BASIN.
  - IF USING OPTIONAL OIL ABSORBENTS, PLACE ABSORBENT PILLOW IN POUCH ON BOTTOM OF THE UNIT.
  - STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE DANDY SACK SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS.
  - A MINIMUM 2 FOOT SAG (CONTAINMENT AREA) IS REQUIRED.
  - HOLDING THE LIFTING STRAPS, INSERT THE GRATE INTO THE INLET.
- MAINTENANCE:
- REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF THE UNIT AFTER EACH STORM EVENT.
  - AFTER STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO DANDY SACK. IF CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED.
  - TO EMPTY UNIT, SIMPLY LIFT THE UNIT USING LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS, REPLACE ABSORBENT PILLOW WHEN NEAR SATURATION.

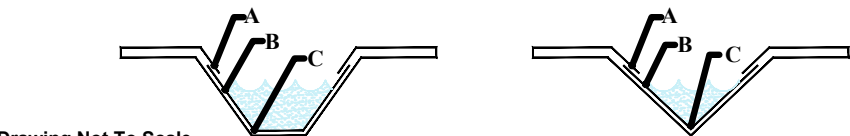
STORM GRATE FILTER BAG  
N.T.S.



- CRITICAL POINTS
- A. Overlaps and Seams
  - B. Projected Water Line
  - C. Channel Bottom/Side Slope Vertices

NOTES:

- \*Horizontal staple spacing should be altered if necessary to allow staples to secure the critical points along the channel surface.
- \*\*In loose soil conditions, the use of staple or stake lengths greater than 6"(15cm) may be necessary to properly secure the RECP's.



Drawing Not To Scale

Tensar.

NORTH AMERICAN GREEN

Disclaim:

The information presented herein is general design information only. For specific applications, consult an independent professional for further design guidance.

5481 St. Wendel - Cynthiana Rd.  
Poeysville, IN 47633

PH: 888-722-2848  
www.augreen.com

Drawn on: 3-16-11

EROSION CONTROL MATTING / LINER DETAILS

N.T.S.



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Call before you dig.







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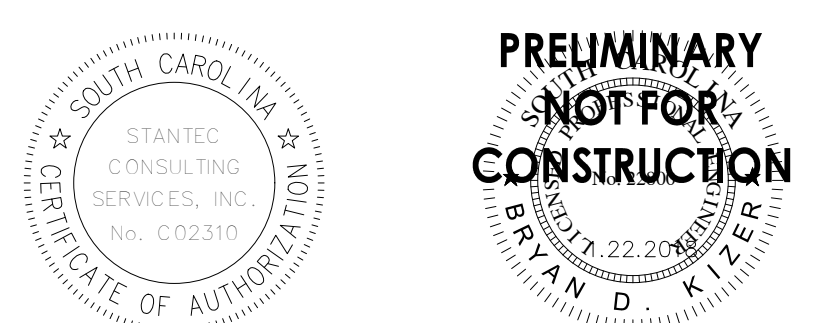
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Revision	By	Appd	YYYY.MM.DD

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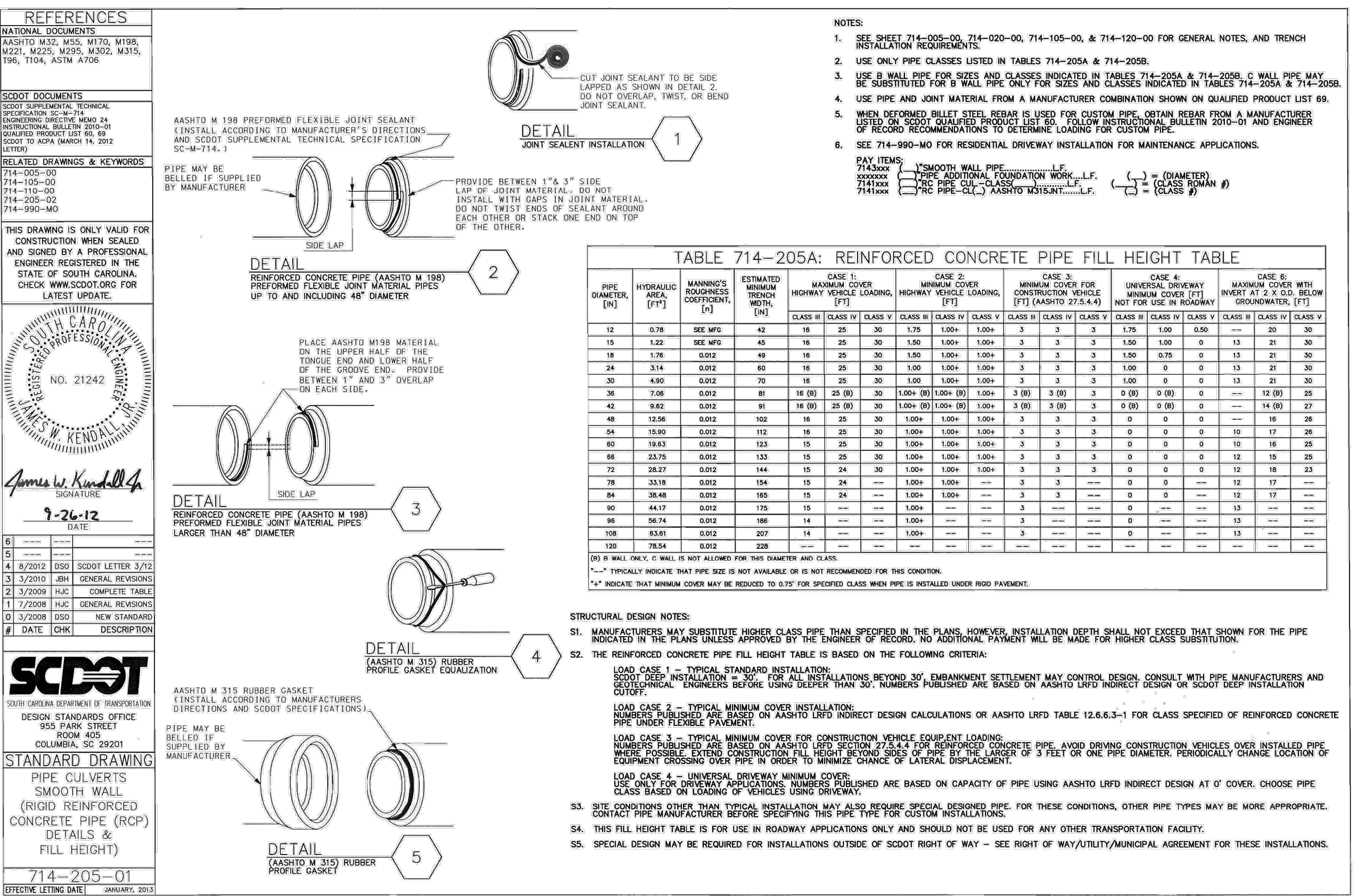
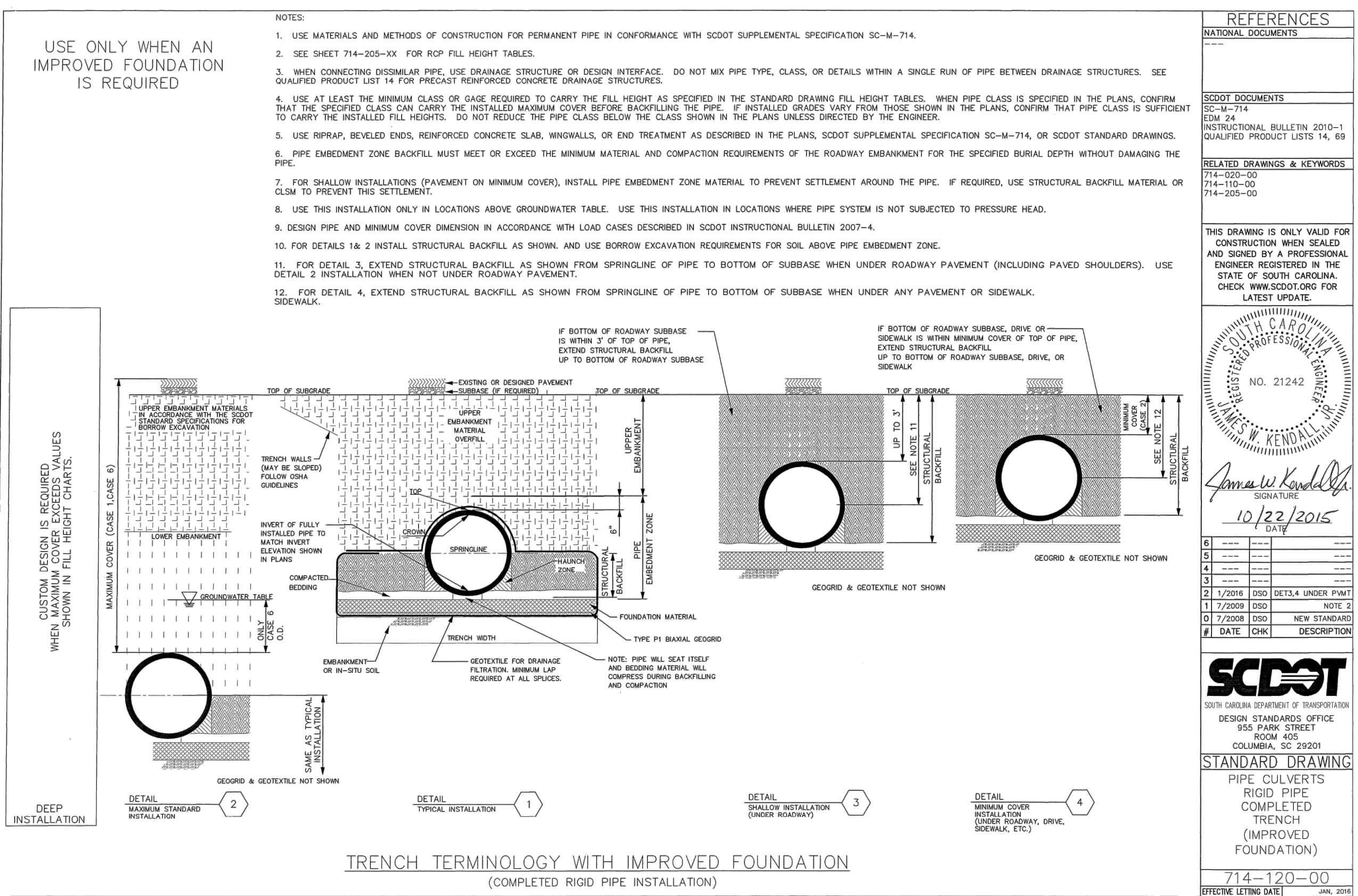
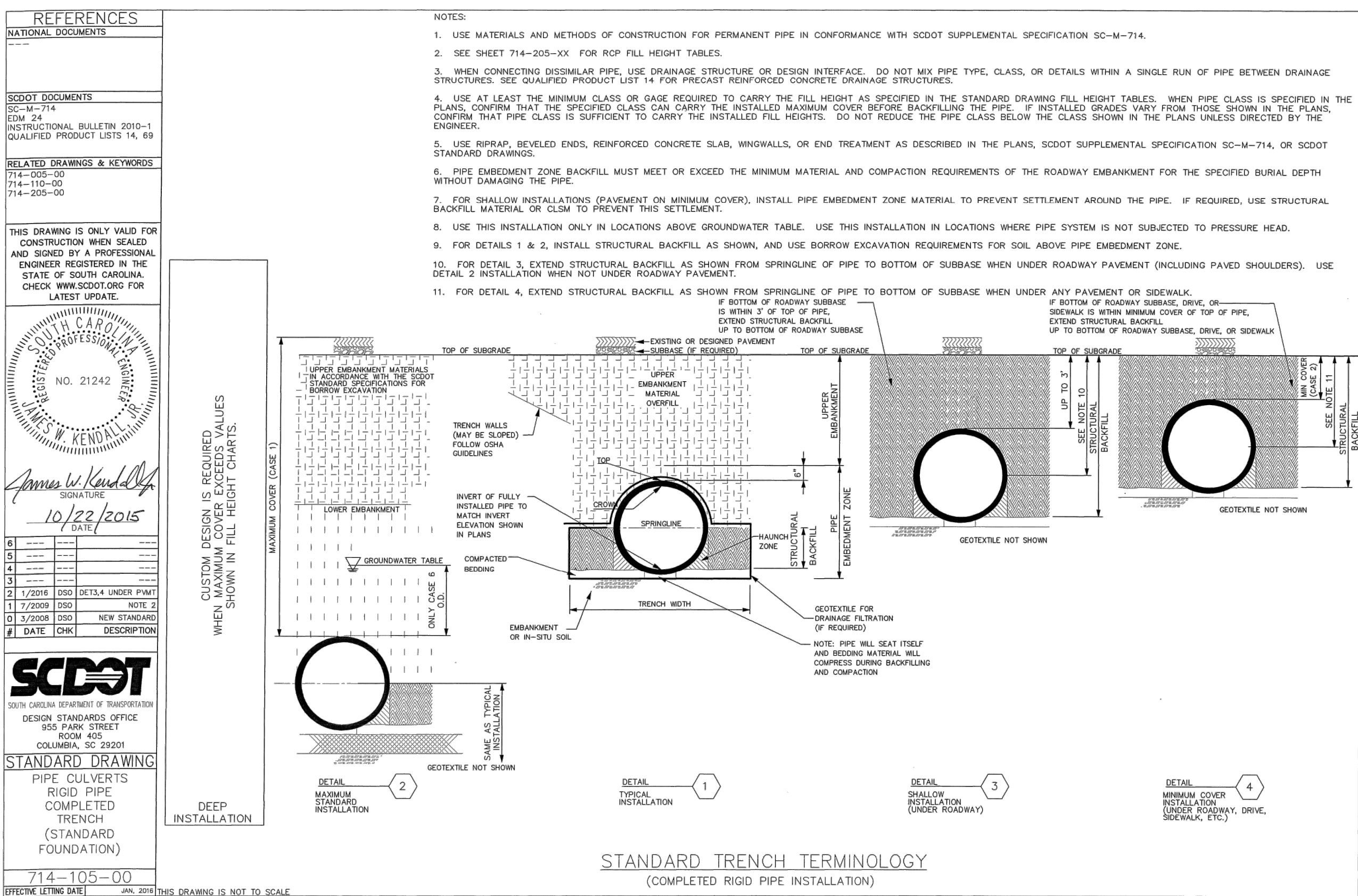
**Client/Project Logo**

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IMPROVEMENTS  
SITES 2 - 7

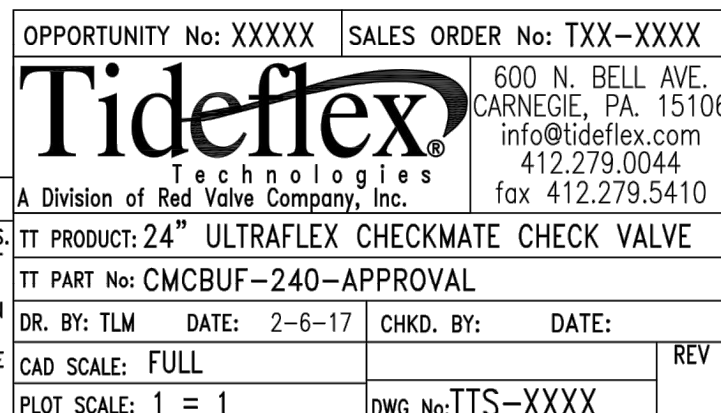
MURRELLS INLET, SOUTH CAROLINA  
Title

**GRADING AND DRAINAGE DETAILS 1**

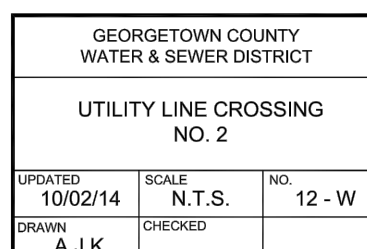
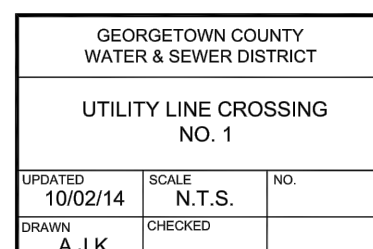
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GRADING AND DRAINAGE DETAILS 3

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[illegible]

TABLE 719-110D	
TYP. DRAWINGS OF INLET ADAPTORS THAT HAVE SIMILAR STRUCTURAL DESIGN	
CR TYPE 1	719-109-04
CR TYPE 2	719-109-04
CR TYPE 3	719-109-04
CR TYPE 4	719-109-04
CR TYPE 5	719-109-04
CR TYPE 6	719-109-04
CR TYPE 7	719-109-04
CR TYPE 8	719-109-04
CR TYPE 9	719-109-04
CR TYPE 10	719-109-04
CR TYPE 11	719-109-04
CR TYPE 12	719-109-04
CR TYPE 13	719-109-04
CR TYPE 14	719-109-04
CR TYPE 15	719-109-04
CR TYPE 16	719-109-04
CR TYPE 17	719-109-04
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CR TYPE 19	719-109-04
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CR TYPE 93	719-109-04
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CR TYPE 95	719-109-04
CR TYPE 96	719-109-04
CR TYPE 97	719-109-04
CR TYPE 98	719-109-04
CR TYPE 99	719-109-04
CR TYPE 100	719-109-04

TABLE 719-110C PRECAST ITEMS	
DROP INLET (24\"X36\") INLET ADAPTOR FOR 4X4 BOX (64\"X64\"X8\")	
DROP INLET (24\"X36\") INLET ADAPTOR FOR 5X5 BOX (76\"X76\"X8\")	
DROP INLET (24\"X36\") INLET ADAPTOR FOR 6X6 BOX (88\"X88\"X8\")	
SEE ALSO 719-105-01, 719-310-00, & 719-305-00	

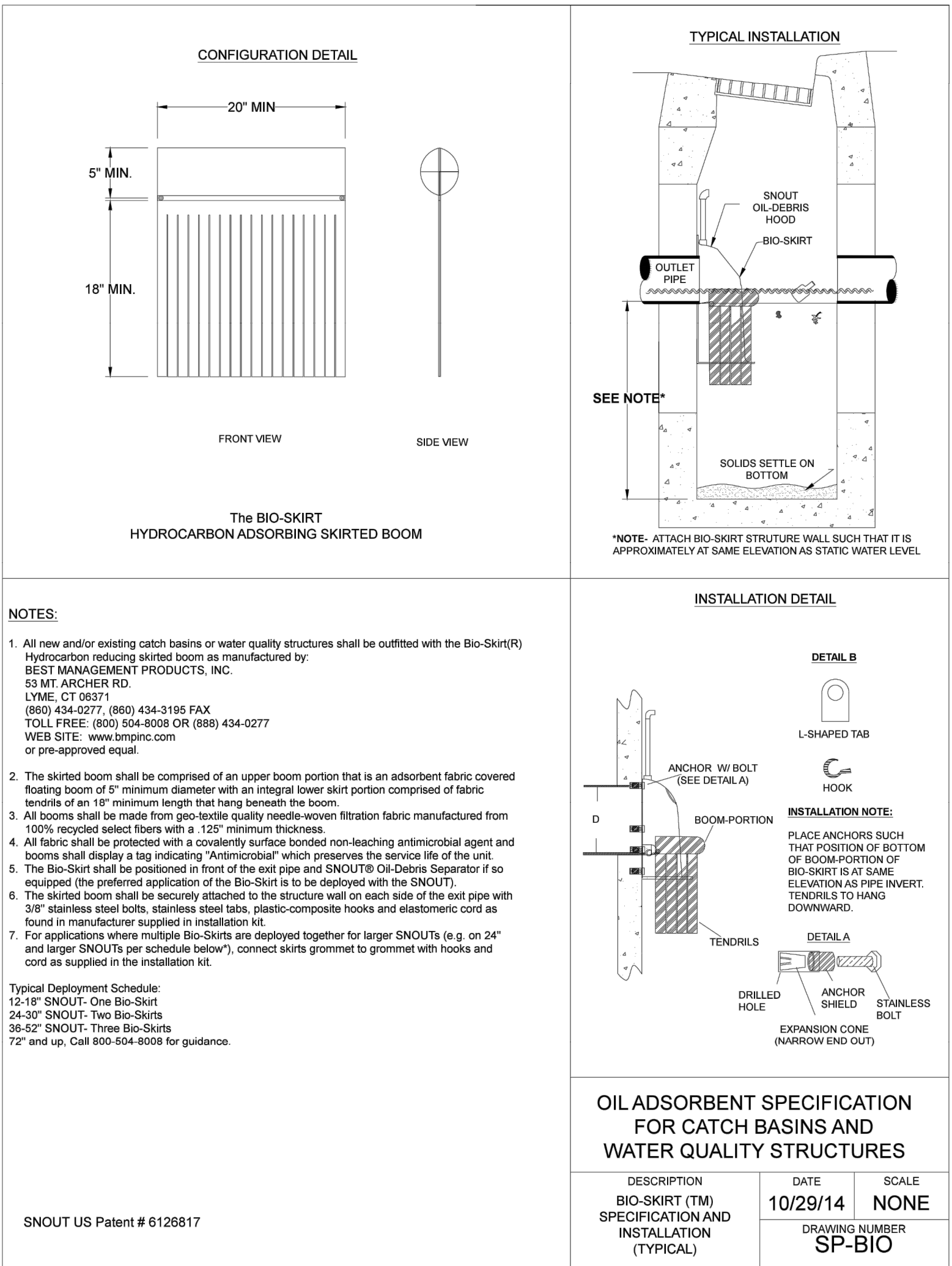
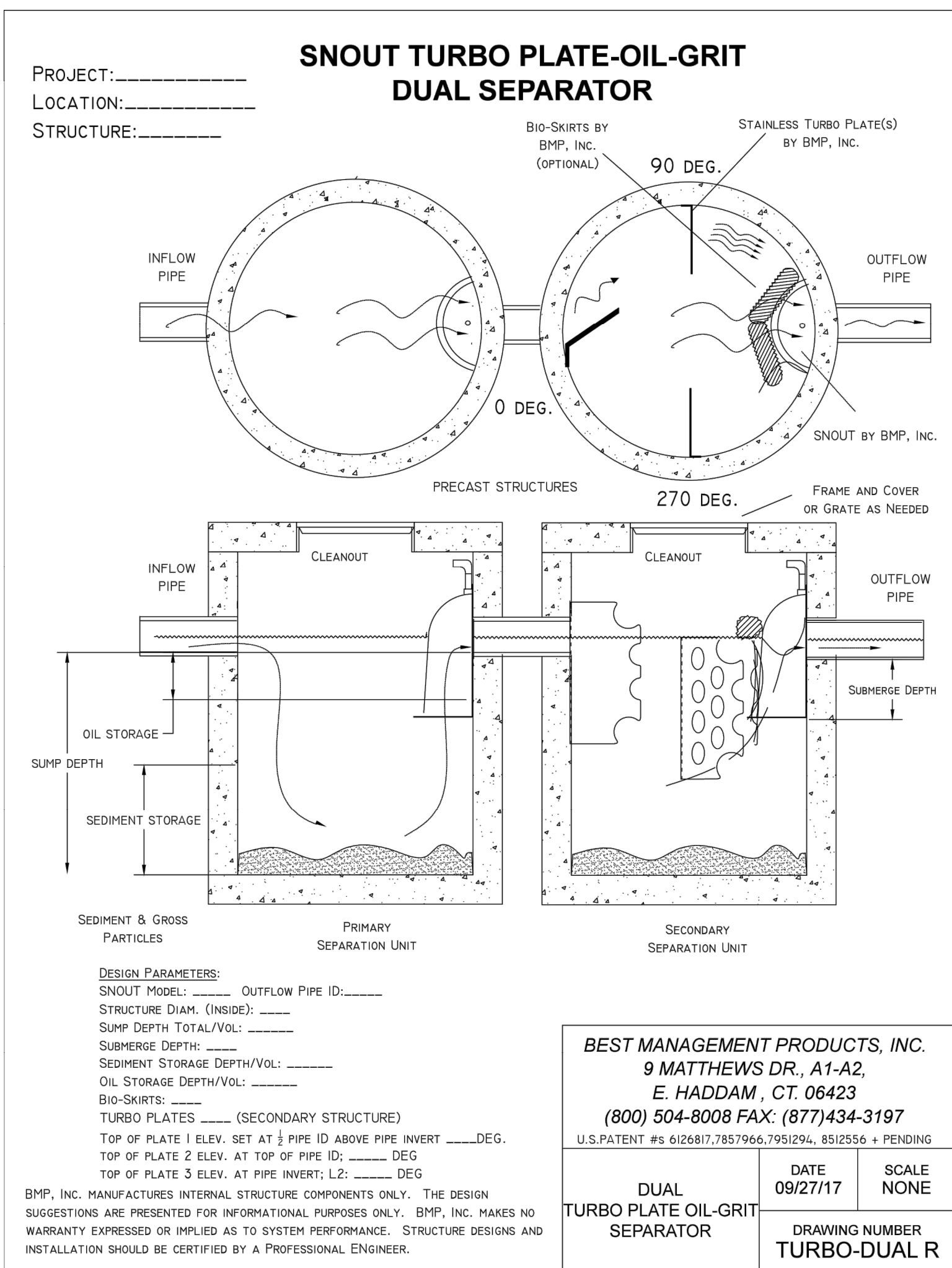
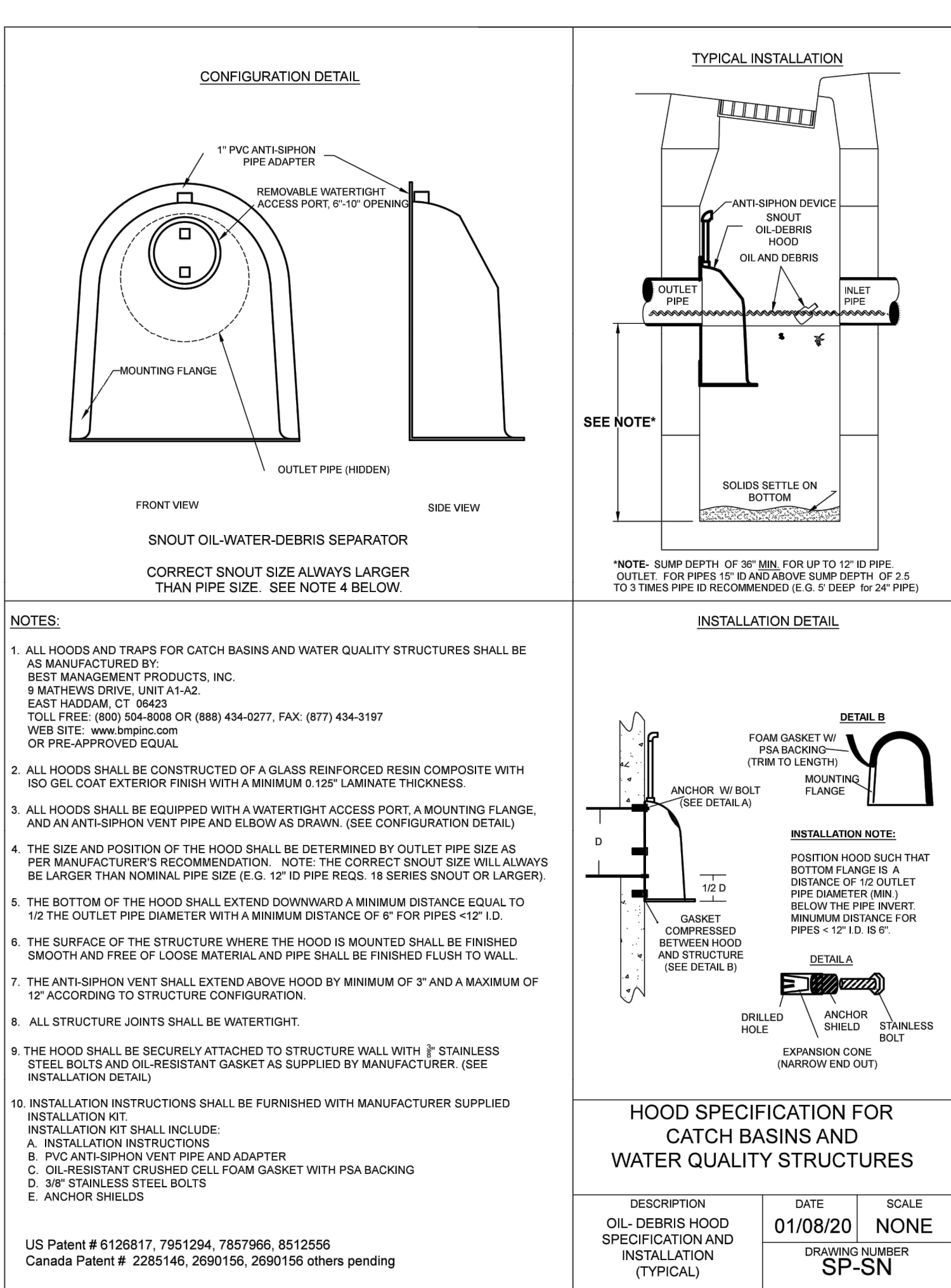
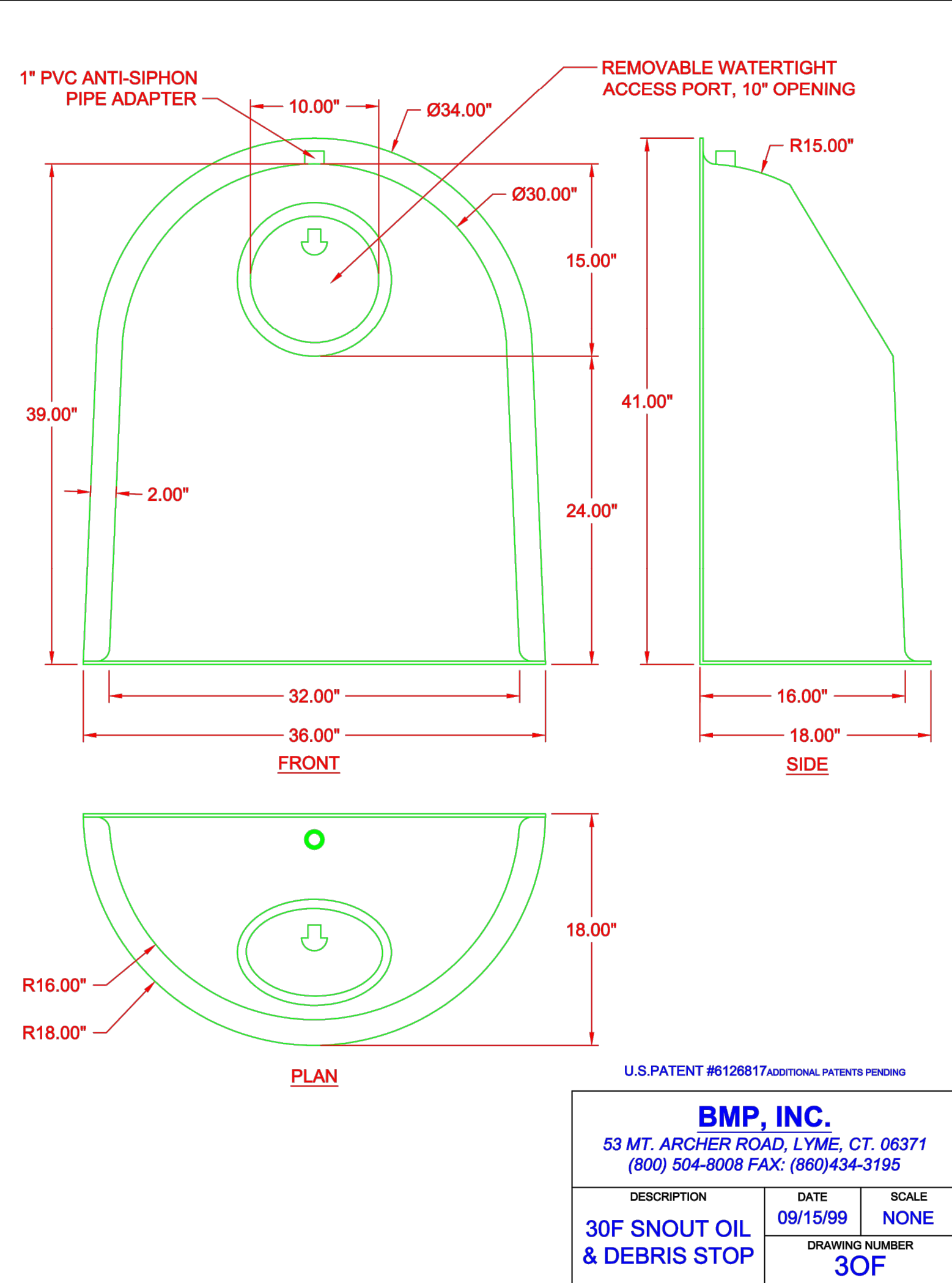
TABLE 719-110E PRECAST ITEMS	
DROP INLET (24\"X36\") INLET ADAPTOR FOR 4X4 BOX (64\"X64\"X8\")	
DROP INLET (24\"X36\") INLET ADAPTOR FOR 5X5 BOX (76\"X76\"X8\")	
DROP INLET (24\"X36\") INLET ADAPTOR FOR 6X6 BOX (88\"X88\"X8\")	
SEE ALSO 719-105-01, 719-310-00, & 719-305-00	

USE SHEETS 719-110-01 THROUGH 719-110-02 FOR THIS ITEM. THIS DRAWING IS NOT TO BE SCALE.

719-110-02



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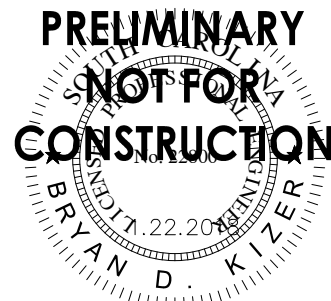
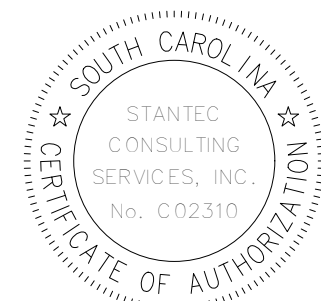
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GRADING AND DRAINAGE DETAILS 4

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