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SITE DEVELOPMENT PLANS FOR PIGEON POINT RD DRAINAGE IMPROVEMENTS BEAUFORT, SC

PREPARED FOR CITY OF BEAUFORT

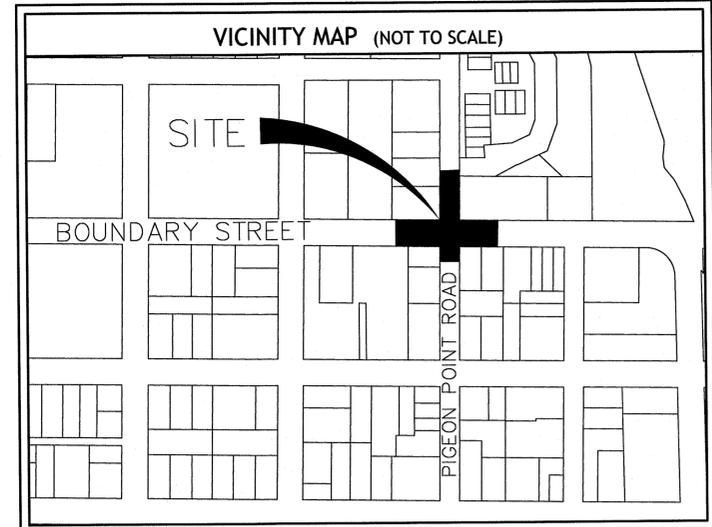
PROJECT NUMBER 130214B

PREPARED BY



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



PROJECT DATA	
DEVELOPER:	CITY OF BEAUFORT PUBLIC WORKS 16 BURTON HILL ROAD BEAUFORT, SC 29906
24 HOUR CONTACT:	LAMAR TAYLOR, OPERATIONS OFFICER
TELEPHONE:	(843) 525-7054
FAX:	(843) 525-7095
JURISDICTION:	BEAUFORT, SC
TAX MAP#	S-107 AND US 21
PROPERTY OWNER OF RECORD:	SCDOT
NPDES DISTURBED AREA:	0.1 ACRES
APPROXIMATE LOCATION OF SITE:	
LONGITUDE:	W 80° 40' 18"
LATITUDE:	N 32° 26' 22"
<input checked="" type="checkbox"/> NOT FOR CONSTRUCTION <input type="checkbox"/> RELEASED FOR CONSTRUCTION	

SCHEDULE OF DRAWINGS	
SHEET NO.	DESCRIPTION
C.01	COVER SHEET (THIS SHEET)
C.02	CONSTRUCTION NOTES
C.03	EXISTING CONDITIONS PLAN
C.04	STAKING, PAVEMENT MARKING, DEMOLITION & EROSION CONTROL PLAN
C.05	PAVING, DRAINAGE & GRADING PLAN
C.06A-B	CONSTRUCTION DETAILS

NO.	DESCRIPTION	DATE
A.	RELEASED FOR PERMITTING & BIDDING	05/06/13
RELEASE SCHEDULE		

PIGEON POINT DRAINAGE

PROJECT #: 130214B
WARD EDWARDS, INC.
PROJECT: PIGEON POINT RD DRAINAGE

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GENERAL NOTES:

- BOUNDARY INFORMATION TAKEN FROM ASBUILT & TOPOGRAPHICAL SURVEY OF THE INTERSECTION OF PIGEON POINT RD AND BOUNDARY STREET, CITY OF BEAUFORT, 41113 GASQUE & ASSOCIATES INC.
- TOPOGRAPHIC DATA PROVIDED BY GASQUE AND ASSOCIATES INC., DATED 4/11/13.
- APPROXIMATE LOCATION OF CERTAIN EXISTING UNDERGROUND UTILITY LINES AND STRUCTURES ARE SHOWN ON THE PLANS FOR INFORMATION ONLY. ADDITIONAL UNDERGROUND LINES OR STRUCTURES MAY EXIST THAT ARE NOT SHOWN. CALL PALMETTO UTILITY PROTECTION SERVICE AT 1-888-723-1221 BETWEEN THE HOURS OF 7:00 AM AND 7:00 PM MONDAY THRU FRIDAY AT LEAST THREE WORKING DAYS BEFORE COMMENCING CONSTRUCTION. REQUEST UNDERGROUND UTILITIES TO BE LOCATED AND MARKED WITHIN AND NEAR THE CONSTRUCTION SITE.
- COMPLY WITH SOUTH CAROLINA UNDERGROUND UTILITY DAMAGE PREVENTION ACT (S.C. CODE ANKI 56-36-10, 56-36-11, 56-36-12, 56-36-13, 56-36-14, 56-36-15, 56-36-16, 56-36-17, 56-36-18) BEFORE ANY EXCAVATION OR INTENT TO EXCAVATE MAY BE GIVEN BY CALLING THE TOLL FREE NUMBER: 1-800-922-0983.
- PROTECT BENCH MARKS AND PROPERTY MONUMENTS FROM DAMAGE DURING CONSTRUCTION OPERATIONS. REPLACE ANY BENCH MARKS OR MONUMENTS DAMAGED OR DESTROYED AS A RESULT OF CONTRACTORS OPERATIONS AT NO COST TO THE OWNER.
- OFF-STREET PARKING FOR THE CONTRACTORS EMPLOYEES AND AUTHORIZED VISITORS TO THE SITE MUST BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING TO WEIGHT LIMITS PRESERVED FOR ALL PUBLIC ROADS WHEN HAULING EQUIPMENT AND MATERIALS TO AND FROM THE PROJECT SITE. DAMAGES TO EXISTING PAVEMENT DUE TO THE CONTRACTORS CONSTRUCTION OPERATIONS OR IMPROPER TRANSPORTATION OF MATERIALS AND EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- AT LEAST ONE DRIVING LANE ON PUBLIC ROADS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES. TRAFFIC LANES WILL ONLY BE CLOSED WITH THE EXPRESS WRITTEN CONSENT OF THE AGENCY HAVING JURISDICTION OVER THE ROADWAY. NOTIFY AGENCY HAVING JURISDICTION AT LEAST 5 DAYS BEFORE CLOSING ANY DRIVING LANES TO TRAFFIC. PROVIDE TRAFFIC CONTROL DEVICES, SIGNAGE AND FLAGMEN AS REQUIRED TO ENSURE PUBLIC SAFETY.
- CONTRACTOR SHALL COORDINATE DEMOLITION, CLEARING AND CONSTRUCTION OF IMPROVEMENTS TO MINIMIZE INTERFERENCE WITH VEHICULAR AND PEDESTRIAN TRAFFIC AND WITH OPERATIONS OF EXISTING FACILITIES.

WATER AND SEWER LINE CONSTRUCTION:

- ALL WATER AND SEWER LINE CONSTRUCTION SHALL CONFORM TO APPLICABLE STATE AND BEAUFORT JASPER WATER AND SEWER AUTHORITY REGULATIONS, STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION AND APPROVAL OF ALL WATER AND SEWER LINE CONSTRUCTION FOR CONFORMANCE WITH THE REGULATIONS AND SPECIFICATIONS.
- UTILITIES SHOWN ARE APPROXIMATE LOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION OF ALL UTILITY OWNERS AND FOR FIELD VERIFICATION OF BOTH HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO COMMENCING CONSTRUCTION. ANY DAMAGES TO EXISTING UTILITIES DUE TO THIS CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- NOTIFY THE PROJECT ENGINEER, IF CONFLICTS WITH EXISTING STRUCTURES REQUIRE THAT PROPOSED UTILITIES BE RELOCATED.
- THE CONTRACTOR MUST NOTIFY BEAUFORT EIGHT (8) HOURS PRIOR TO ANY CONSTRUCTION, INSPECTION OR TESTING OF THE WATER DISTRIBUTION SYSTEM.
- PIPE FITTINGS, VALVES AND APPURTENANCES FOR WATER AND SEWER LINES SHALL ALL BE IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN THE BEAUFORT-JASPER WATER AND SEWER AUTHORITY TECHNICAL SPECIFICATIONS.
- INSTALLATION OF WATER AND SEWER LINES SHALL BE IN ACCORDANCE WITH ACCORDANCE WITH THE BEAUFORT-JASPER WATER AND SEWER AUTHORITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.
- CONTRACTOR SHALL INSTALL MECHANICAL RESTRAINTS ON ALL BENDS, PLUGS AND TEES, 2" OR LARGER, ON WATER LINES AND SANITARY SEWER FORCE MAINS.
- ALL WATER MAINS SHALL BE STERILIZED AND PRESSURE TESTED IN ACCORDANCE WITH BWSA SPECIFICATIONS.
- SEPARATION OF WATER MAINS AND SEWERS:
 - PARALLEL INSTALLATION: UNLESS OTHERWISE SPECIFICALLY SHOWN IN A SPECIAL DETAIL ON THE PLANS, INSTALL WATER MAINS AT LEAST 10 FT. HORIZONTALLY FROM ANY EXISTING OR PROPOSED SANITARY SEWER OR SANITARY SEWER FORCE MAIN. THE DISTANCE BEING MEASURED IN A HORIZONTAL PLANE BETWEEN THE OUTSIDE SURFACES OF THE PIPES.
 - CROSSINGS: UNLESS OTHERWISE SPECIFICALLY SHOWN IN A SPECIAL DETAIL ON THE PLANS, INSTALL WATER LINES CROSSING SANITARY SEWERS OR SANITARY SEWER FORCE MAINS TO BE A MINIMUM VERTICAL SEPARATION OF 18 INCHES BETWEEN THE OUTSIDE SURFACES OF THE PIPES. THIS SHALL BE THE CASE WHETHER THE WATER LINE IS ABOVE OR BELOW THE SANITARY SEWER LINE. WHENEVER POSSIBLE LOCATE THE WATER LINE ABOVE THE SEWER LINE. WHERE A NEW WATER LINE CROSSES A NEW SEWER LINE, PLACE A FULL LENGTH OF DUCTILE IRON PIPE FOR BOTH THE WATER AND THE SEWER LINE AT THE CROSSING WITH BOTH PIPES POSITIONED SO THAT THE JOINTS ON EACH ARE AS FAR AS POSSIBLE FROM THE POINT OF CROSSING. WHERE A NEW WATER LINE CROSSES AN EXISTING SEWER LINE, PLACE ONE FULL LENGTH OF DUCTILE IRON PIPE WATER LINE SO THAT THE JOINTS ARE AS FAR FROM THE POINT OF CROSSING AS POSSIBLE.
- SANITARY MANHOLE RIM GRADIES SHOWN ARE APPROXIMATE. ADJUST RIM ELEVATIONS TO BE FLUSH WITH FINISHED GRADE.
- THE CONTRACTOR UNDER THIS CONTRACT SHALL NOT MAKE ANY CONNECTIONS TO THE EXISTING WATER OR SANITARY SEWER SYSTEMS UNLESS EXPRESSLY AUTHORIZED TO DO SO BY THE BEAUFORT-JASPER WATER AND SEWER AUTHORITY. ALL WATER AND SEWER IMPROVEMENTS UNDER THIS CONTRACT WILL BE GIVEN CONSTRUCTION, TESTED, INSPECTED AND APPROVED BY THE BEAUFORT-JASPER WATER AND SEWER AUTHORITY BEFORE ANY AUTHORIZED PERSONS ARE GIVEN CONSTRUCTION OF TESTING, INSPECTION AND CONNECTIONS WITH THE BEAUFORT-JASPER WATER AND SEWER AUTHORITY IS THE RESPONSIBILITY OF THE CONTRACTOR UNDER THIS CONTRACT.
- ALL WATER MAINS SHALL BE INSTALLED WITH THIRTY-SIX (36") MINIMUM COVER (WATER FINISHED GRADE). MAXIMUM DEPTH SHALL BE FIVE FEET (5'). WHERE WATER MAINS MAY CONFLICT WITH OTHER UTILITIES, THE WATER MAIN CROSSING SHALL BE CONSTRUCTED WITH DUCTILE IRON PIPE, MECHANICAL JOINT 45-DEG. BENDS AND MECHANICAL RESTRAINTS.

SITE CLEARING AND DEMOLITION:

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

TREE PROTECTION/REMOVAL:

- ALL TREES HAVING A TRUNK DIAMETER OF 4 INCHES (DBH) OR LARGER, AND SPECIMENS THOSE MUST BE PRESERVED UNLESS SPECIFICALLY APPROVED FOR REMOVAL IN ACCORDANCE WITH THE CITY OF BEAUFORT ZONING AND DEVELOPMENT STANDARDS ORDINANCE AND INDICATED ON THE PLANS TO BE REMOVED.
- PRIOR TO COMMENCING ANY CLEARING OR CONSTRUCTION OPERATIONS ON THE SITE, THE CONTRACTOR SHALL ERECT TREE PROTECTION BARRIERS AROUND EACH TREE OR GROUP OF TREES DESIGNATED FOR PRESERVATION IN ACCORDANCE WITH THE DETAILS ON THE PLANS AND THE REQUIREMENTS CONTAINED IN ARTICLE 7, SECTION 7A, PAR. D.3 OF THE CITY OF BEAUFORT, SOUTH CAROLINA UNIFIED DEVELOPMENT ORDINANCE.
- TREE PROTECTION ZONES SHALL BE ESTABLISHED IN ACCORDANCE WITH THE PROVISIONS CONTAINED IN ARTICLE 7, SECTION 7A, PAR. D.1 OF THE CITY OF BEAUFORT, SOUTH CAROLINA UNIFIED DEVELOPMENT ORDINANCE FOR EACH EXISTING TREE OR GROUPING OF TREES DESIGNATED FOR PRESERVATION. THE MINIMUM TREE PROTECTION ZONE AS DEFINED IN THE ORDINANCE IS A CIRCULAR AREA CENTERED ON THE TREE AND HAVING A RADIUS OF THE GREATER OF 4 FT. OR ONE-HALF (1/2) FOOT PER INCH DBH DIAMETER AT BREAST HEIGHT; THE SIZE OR CONFIGURATION OF THE TREE PROTECTION ZONE MAY BE ADJUSTED AT THE DISCRETION OF THE CITY ADMINISTRATION OF THE ORDINANCE.
 - PLACEMENT OR STORAGE OF ANY SOIL, DEBRIS, OILS, FUELS, PAINTS, BUILDING MATERIALS OR ANY OTHER MATERIALS.
 - BURNING.
 - VEHICLE PARKING.
 - PAVING.
 - TRENCHING FOR UTILITIES.
 - WHERE UTILITY LINES MUST PASS THRU THE TREE PROTECTION ZONE, THEY SHALL BE INSTALLED BY HORIZONTAL BORING BENEATH THE ROOTS OF THE TREE.
 - WHERE IT IS NECESSARY FOR MACHINERY AND EQUIPMENT TO PASS WITHIN THE TREE PROTECTION ZONE, APPROVAL MUST BE OBTAINED FROM THE ZONING AND DEVELOPMENT ADMINISTRATION. SPECIAL MEASURES WILL BE REQUIRED TO PROTECT THE ROOTS FROM EXCESSIVE COMPACTION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL TREE REMOVAL PERMITS AND FOR COORDINATING ALL INSPECTIONS REQUIRED BY BEAUFORT COUNTY IN CONNECTION WITH TREE PRESERVATION AND REMOVAL ACTIVITIES DURING CONSTRUCTION.

SITE GRADING AND DRAINAGE:

- ALL UTILITIES SHOWN ARE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 72-HOUR NOTICE TO ALL RESPECTIVE UTILITY COMPANIES FOR FIELD VERIFICATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. ANY DAMAGES TO EXISTING UTILITIES DUE TO THIS CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- TEMPORARY CONTRA WATER DRAINAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SEQUENCING AND CONSTRUCTION TECHNIQUES SHALL PREVENT OBSTRUCTION OF STORM SEWERS, PONDING IN TRAFFIC AREAS OR RISING OF WATER LEVELS WHICH WOULD ENTER ADJACENT BUILDINGS OR STRUCTURES.
- FULL WIDTH OF STREET AND ROAD RIGHTS-OF-WAY MUST BE CLEARED AND GRADED AS SHOWN ON THE DRAWINGS.
- SUBGRADE PREPARATION: TOP SOIL SHALL BE REMOVED FROM PAVED AREAS TO A MINIMUM DEPTH OF 4". ALL EXCAVATION SHALL BE TO SUBGRADE LIMITS.
- ALL UTILITY PIPE LINES AND SLEEVES SHALL BE IN PLACE PRIOR TO COMPLETION OF THE ROADWAY SUBGRADE COMPACTION.
- FINISH GRADING SHALL INCLUDE THE PLACEMENT OF TOPSOIL OVER ALL UNPAVED AREAS NOT OCCUPIED BY BUILDINGS OR STRUCTURES AND FINE GRADING AROUND BUILDINGS, ADJACENT TO WALKS, CURBS, GUTTERS AND STRUCTURES TO ASSURE POSITIVE DRAINAGE.

SOUTH CAROLINA SEDIMENT AND EROSION CONTROL STANDARD NOTES (REVISED DEC-2012):

- IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS. IN ADDITION TO HYDROSEEDING, IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW:
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY, OR INCORRECTLY, INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING CONSTRUCTION. FEATURES FOR INFRASTRUCTURE SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION, FILL, CURB, 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. EROSION CONTROL DEVICES MAY BE REMOVED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE RELOCATED AS CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAYS(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 UPLAND RUNOFF AND/OR TO DIVERT SEDIMENT-LOADED WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 50-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 TO STORM WATER DISCHARGES.
- A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION AS A ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- WHERE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) INITIATE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND ARE NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INEVITABLE, 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 EXCAVATION AREAS. THESE AREAS 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; AND
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED-ALL AREAS OF THE CONSTRUCTION SITE.
- IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SCS WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE 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.

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

- COMPLY WITH ALL SPECIAL PROVISIONS CONTAINED IN THE DEPARTMENT OF TRANSPORTATION ENCROACHMENT PERMIT ISSUED FOR THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION AND COORDINATION OF ALL WORK ON DOT RIGHTS-OF-WAY WITH THE DISTRICT ENGINEERING REPRESENTATIVE.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A DOT APPROVED TRAFFIC CONTROL PLAN FOR SITE ACCESS AND FOR CONSTRUCTION ON DEPARTMENT OF TRANSPORTATION RIGHTS-OF-WAY. ALL TRAFFIC CONTROL PROVISIONS MUST COMPLY WITH DEPARTMENT OF TRANSPORTATION MINIMUM REQUIREMENTS, LIGHTS, SIGNS, FLAGMEN AND ALL OTHER TRAFFIC CONTROL DEVICES MUST CONFORM TO THE REQUIREMENTS CONTAINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- PROVIDE ALL REGULATORY SIGNS, PAVEMENT STRIPING AND MARKINGS, AS REQUIRED BY THE SOUTH CAROLINA DOT DISTRICT ENGINEERING INSPECTOR. ALL SIGNS MUST CONFORM TO THE REQUIREMENTS CONTAINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND TO THE SOUTH CAROLINA DOT STANDARD DETAILS WITH RESPECT TO COLOR, SIZE, REFLECTIVITY, HEIGHT AND PLACEMENT.
- ALL PAVEMENT MARKINGS ON DOT RIGHTS-OF-WAY SHALL BE THERMOPLASTIC (1/2" MIN. THICKNESS) AND MUST COMPLY WITH THE REQUIREMENTS IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. PLACEMENT SHALL BE IN ACCORDANCE WITH SOUTH CAROLINA DOT STANDARD DRAWINGS 803-3 AND 803-4, AS APPLICABLE.
- ALL PAVEMENT MARKINGS TO BE RELOCATED BY GRINDING.

DRY UTILITY CONDUITS FOR ELECTRIC, TELEPHONE AND CABLE TV:

- ALL DRY UTILITY CONDUIT ENDS SHALL BE CAPPED AND MARKED WITH A STEEL REBAR STAKE IMBEDDED ONE (1) FOOT BELOW GROUND SURFACE.
- IF MINIMUM DEPTH OF THE GROUND IS 4 FT. OR ONE-HALF (1/2) FOOT PER INCH DBH DIAMETER AT BREAST HEIGHT; THE SIZE OR CONFIGURATION OF THE TREE PROTECTION ZONE MAY BE ADJUSTED AT THE DISCRETION OF THE CITY ADMINISTRATION OF THE ORDINANCE.
- MAINTAIN MINIMUM 12" VERTICAL CLEARANCE WHEN CROSSING WATER, SEWER, AND STORM DRAIN LINES.
- MAINTAIN MINIMUM 18" HORIZONTAL CLEARANCE WHEN PARALLELING WATER, SEWER AND STORM DRAIN LINES.
- EXTEND CONDUIT BEYOND PAVEMENT, CURB, AND SIDEWALKS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE INSTALLATION OF ALL UTILITY SERVICE CONNECTIONS. REFER TO APPROVED BUILDING PLANS FOR THE EXACT LOCATION OF ALL SERVICE CONNECTIONS. THE CONTRACTOR MUST INSTALL ALL CONDUITS, AS SHOWN ON THE PLANS OR AS REQUIRED BY RESPECTIVE UTILITY COMPANIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE STRICT COMPLIANCE WITH ALL APPLICABLE CODES AND REGULATIONS WITH REGARDS TO THE INSTALLATION OF UTILITIES AND CONDUIT.
- LOCATIONS SHOWN ON THE PLANS FOR PROPOSED DRY UTILITY CONDUITS ARE APPROXIMATE ONLY. ALL DIMENSIONING AND STAKING SHOULD BE BASED ON ECONOMIC AND PRACTICAL CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE RESPECTIVE UTILITY REPRESENTATIVES, PRIOR TO ANY CONDUIT INSTALLATION.
- TRANSFORMER PADS SHALL BE LOCATED AS DIRECTED BY THE RESPECTIVE UTILITY REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE CODE REQUIREMENTS.
- NOTIFY THE ENGINEER IF CONFLICTS WITH EXISTING OR PROPOSED STRUCTURES REQUIRE THAT PROPOSED UTILITIES BE RELOCATED.

LEGEND

DESCRIPTION	EXISTING	PROPOSED
LINE TYPES:		
CENTERLINE	---	---
CONTOUR LINE	---	---
CURB & GUTTER (standard)	---	---
CURB & GUTTER (roll curb)	---	---
DITCH CENTERLINE	---	---
DRAIN LINE	---	---
EASEMENT	---	---
FORCE MAIN	---	---
PAVEMENT	---	---
PROPERTY LINE	---	---
SEWER LINE	---	---
WATER LINE	---	---

TYPICAL SYMBOLS:

TREE	○ 9 P	○ 9 P
TREE TO BE REMOVED	○ 9 P	⊗ 9 P
TREE PROTECTION	○ 9 P	⊗ 9 P
SPOT ELEVATION	X15.0	⊕ 15.0
TOP OF PAVING	X15.0	⊕ 15.0
TOP OF CURB	X15.0	⊕ 15.0
TOP OF WALK	X15.0	⊕ 15.0
DIRECTION OF FLOW	---	---

STRUCTURE SYMBOLS:

WEIR INLET	□	□ SDW: A1
CATCH BASIN	□	□ SDB: A1
CURB INLET	▽	▽ SDC: A1
ROCK INLET (WITH GRATE)	▽	▽ SDC: A1
STORM DRAIN JUNCTION BOX	⊞	⊞ SDH: A1
STORM DRAIN MANHOLE	□	□ SDB: A1
SANITARY SEWER MANHOLE	○	○ SSMH: A1
SANITARY SEWER CLEANOUT	○	○
SANITARY SEWER WYE	⊕	⊕

WATER SYSTEM SYMBOLS:

WATER METER	□	□
WATER VALVE	□	□
REDUCER	▶	▶
STOP INDICATOR VALVE	⊕	⊕
FIRE HYDRANT	⊕	⊕
BLOWOFF HYDRANT	⊕	⊕
YARD HYDRANT	⊕	⊕
FIRE DEPART. CONNECT. (FDC)	⊕	⊕
CAP	⊕	⊕
PLUG	⊕	⊕

MATERIAL SYMBOLS:

PROPOSED DEMOLITION	⊞	⊞
PROPOSED SIDEWALK/ CONCRETE	⊞	⊞
EXISTING WETLANDS	⊞	⊞
PROPOSED AGGREGATE/ STONES	⊞	⊞
PROPOSED ASPHALT (STANDARD ASPHALT)	⊞	⊞
PROPOSED ASPHALT (HEAVY DUTY)	⊞	⊞
PERVIOUS PAVERS	⊞	⊞

SEQUENCE OF CONSTRUCTION ACTIVITIES PROJECT PHASING

ESTIMATED START DATE: 5/01/13 ESTIMATED COMPLETION DATE: 6/01/13

- INSTALL TREE PROTECTION AND DELINEATE CLEARING LIMITS
- INSTALL PERMETER CONTROLS FOR SOIL EROSION
- PROVIDE SITE DRAINAGE WITH DIVERSION DITCHES, SWALES AND BERMS
- CLEAR AND GRUB SITE, INCLUDING DEMOLITION TO BE COMPLETED
- COMPLETE SITE GRADING FOR PARKING AREAS AND LANDSCAPE BERMS
- START BUILDING CONSTRUCTION
- COMPLETE UTILITY INSTALLATION
- CONSTRUCT NEW CURB AND GUTTER AND PAVEMENT
- FINISH GRADING AND FINAL GRASSING AND LANDSCAPING
- REMOVE SEDIMENT CONTROLS AFTER SITE HAS BEEN STABILIZED

OPUPS
PALMETTO UTILITY PROTECTION SERVICE INC.

811
Know what's below.
Call before you dig.

EROSION & SEDIMENT CONTROL LEGEND

DESCRIPTION	SYMBOL
LAND GRADING:	
SURFACE ROUGHENING:	⊕ OR ⊕
TOPSOILING:	⊕
TEMPORARY SEEDING:	⊕
MULCHING:	⊕
EOB OR TRM:	⊕
FORM:	⊕
BPM:	⊕
PERMANENT SEEDING:	⊕
SODDING:	⊕
RIPRAP:	⊕
OUTLET PROTECTION:	⊕
DUST CONTROL:	⊕
POLYACRYLAMIDE (PAM):	⊕
SEDIMENT CONTROL	
SEDIMENT BASIN:	⊕
TEMPORARY SEDIMENT TRAP:	⊕
ROCK SEDIMENT DIKE:	⊕
ROCK CHECK DAM:	⊕
SEDIMENT TUBE:	⊕
SILT FENCE:	⊕
REINFORCED SILT FENCE:	⊕
TYPE A-FABRIC INLET PROTECTION:	⊕
TYPE A-SEDIMENT TUBE INLET PROTECTION:	⊕
TYPE B - WIRE MESH AND STONE DROP INLET PROTECTION:	⊕
TYPE C - BLOCK AND GRAVEL INLET PROTECTION:	⊕
TYPE D - RIGID INLET FILTERS:	⊕
TYPE E - SURFACE COURSE CURB INLET FILTER:	⊕
TYPE F - INLET TUBE:	⊕

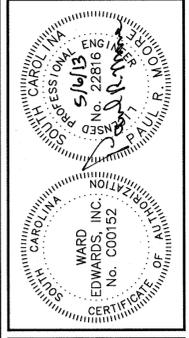
RUNOFF CONVEYANCE MEASURES:

VEGETATED CHANNELS:	⊕
RIPRAP-LINED CHANNELS:	⊕
EOB OR TRM-LINED CHANNELS:	⊕
PAVED CHANNELS:	⊕
PIPE SLOPE DRAINS:	⊕
TEMPORARY STREAM CROSSING:	⊕
TEMPORARY DIVERSION DITCH OR SWALE:	⊕
PERMANENT DIVERSION DITCH:	⊕
DIVERSION DIKE OR BERM:	⊕
LEVEL SPREADER:	⊕
SUBSURFACE DRAIN:	⊕

STANDARD ABBREVIATIONS

AC	ACRE	MJ	MECHANICAL JOINT
ADT	AVERAGE DAILY TRAFFIC	N	NORTH
ASPH	ASPHALT	NBR	NORTH BOUND ROADWAY
BEG	BEGIN	NC	NORMAL CROWN
BL	BASILINE	NVD	NATIONAL GEODETIC VERTICAL DATUM
BM	BENCHMARK	NIC	NOT IN CONTRACT
BOB	BOTTOM OF BANK	OD	OUTSIDE DIAMETER
BOTT	BOTTOM	OR	OVERHEAD POWER
BRG	BEARING	ONP	OVERHEAD POWER
B	BURIED TELEPHONE	PAVT	PAVEMENT
B/C	BACK OF CURB	PC	POINT OF CURVATURE
C & G	RATE OF CHANGE IN SLOPE	PCC	POINT OF COMPOUND CURVATURE
C B	CURB AND GUTTER	PERF	PERFORATED
CATY	CATCH BASIN	PGE	PROFILE GRADE
CL	CLEARANCE OR CENTERLINE	PGL	PROFILE GRADE LINE
CONST	CONSTRUCTION	PI	POINT OF INTERSECTION
CORR	CORRECTION	PR	POINT OF ROTATION
CF	CUBIC FEET	PRCST	PRECAST
CY	CUBIC YARD	PT	POINT OF TANGENCY
DBL	DOUBLE	PTCH	POLYETHYLENE TEREPHTHALATE
DIA	DESIGN HOURLY VOLUME	PVI	POINT OF VERTICAL INTERSECTION
DBI	DOUBLE	Q	PEAK DISCHARGE OR FLOW VOLUME (CFS)
D	DITCH	R	RATE OF CHANGE IN ELEVATION
DIA OR D	DIAMETER	R	RADIUS
DIP	DUCTILE IRON PIPE	RCP	REINFORCED CONCRETE PIPE
D	DITCH	RHWY	ROADWAY
E	EAST	REQ	REQUIRED
ET	EAST OR EXTERNAL DISTANCE	RT	RIGHT OF WAY
EGL	EXISTING GRADE LINE	S	SPEED OR SOUTH OR SLOPE
EL OR ELEV	ELEVATION	SAHN	SANITARY
EMBK	EMBANKMENT	SAH	SANITARY
ENGR	ENGINEER	SF	SQUARE FOOT OR SILT FENCE
EQ	EQUAL	SY	SQUARE YARD
ESMT	EASEMENT	SSR	SOUTH BOUND ROADWAY
EW	ENDWALL	SD	STORM SEWER
EXIST	EXISTING	SED	SEDIMENT
F & I	FURNISH AND INSTALL	SHW	SEASONAL HIGH WATER
FES	FLARED END SECTION	SS	SANITARY SEWER
FM	FORCE MAIN	STH	SANITARY SEWER MANHOLE
FT	FOOT OR FEET	STA	STATION
FT	FUTURE	SUBGR	SUBGRADE
GI	GRATE INLET	SUR	SURFACE
GRD	GRADE	SW	SW or SWK
H	HEIGHT	TCE	TOP OF CURB
H OR HT	HEIGHT	TECH	TEMPORARY CONSTRUCTION EASEMENT
HOPE	HIGH DENSITY POLYETHYLENE	TEL	TELEPHONE
HW	HORIZONTAL	TEMP	TEMPERATURE OR TEMPORARY
HP	HIGH POINT		

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Ward Edwards
ENGINEERING

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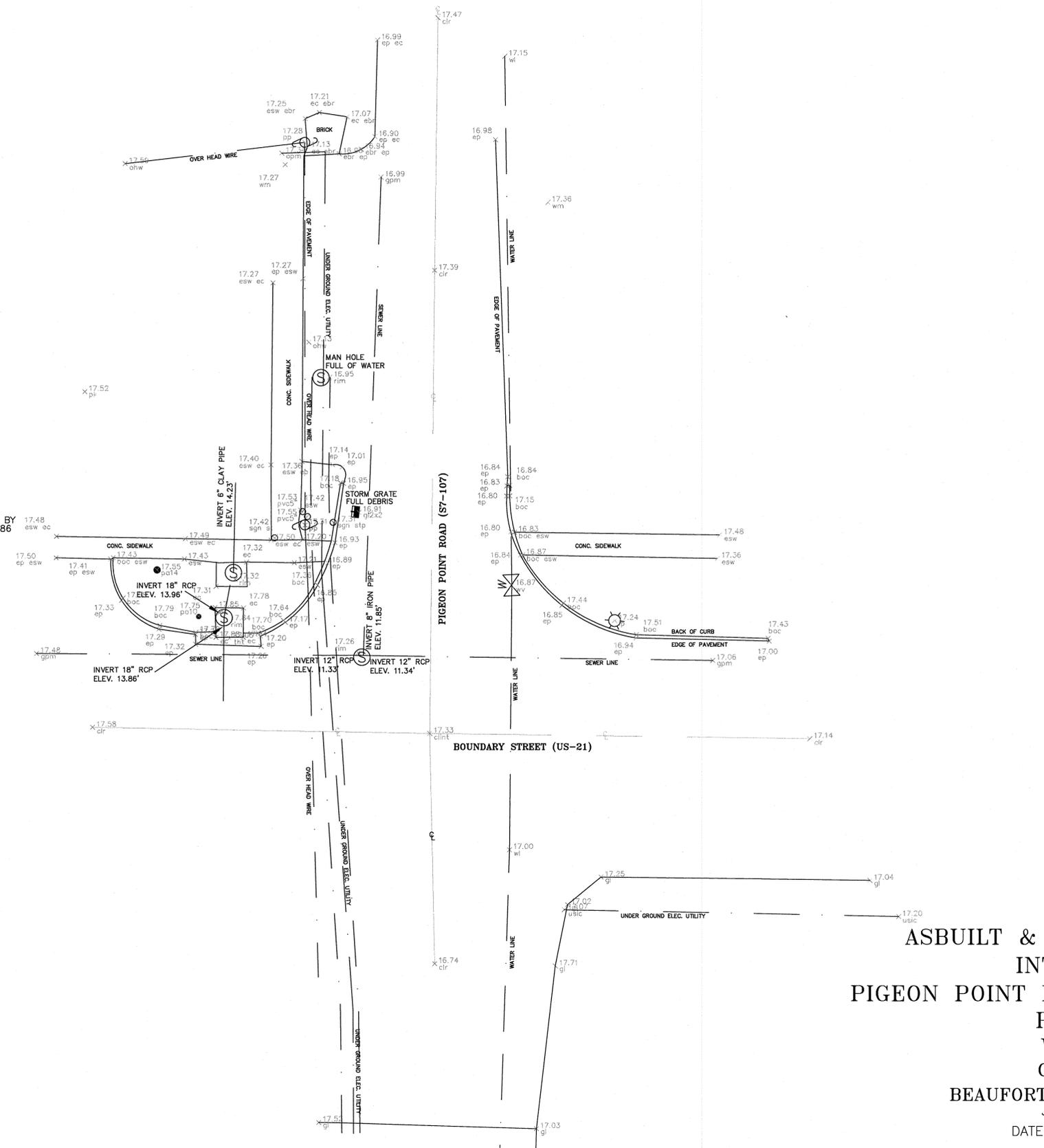
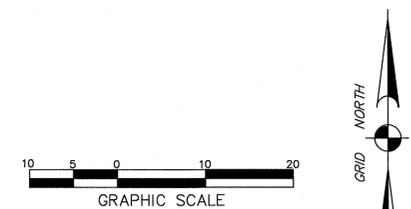
PIGEON POINT RD DRAINAGE IMPROVEMENTS
BEAUFORT COUNTY, SOUTH CAROLINA

CITY OF BEAUFORT
BEAUFORT, SC

EXISTING CONDITIONS PLAN

<input checked="" type="checkbox"/>	NOT FOR CONSTRUCTION
<input type="checkbox"/>	RELEASED FOR CONSTRUCTION
PROJECT #:	130214B
DATE:	05/04/13
DESIGNED BY:	CAT
CHECKED BY:	PRM
SCALE:	1"=10'

SHEET
C.03



NOTES:

- 1.) THE BEARINGS SHOWN HEREON ARE MAGNETIC AND AS SUCH ARE SUBJECT TO LOCAL ATTRACTION.
- 2.) THIS PLAT DOES NOT CERTIFY THE PRESENCE OR ABSENCE OF U.S. ARMY CORPS OF ENGINEERS JURISDICTIONAL WETLANDS.
- 3.) METHOD OF AREA CALCULATION BASED ON COORDINATE METHOD.
- 4.) LOCATION OF UNDERGROUND UTILITIES ARE FROM SURFACE INDICATIONS ONLY AND ARE NOT CERTIFIABLE.
- 5.) THIS PLAT REPRESENTS A SURVEY BASED ON THE LISTED REFERENCES ONLY AND IS NOT THE RESULT OF A TITLE SEARCH.
- 6.) CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.
- 7.) THE CERTIFIER HAS NOT INVESTIGATED OR BEEN INSTRUCTED TO INVESTIGATE THE EXISTENCE OR NONEXISTENCE OF ANY OVERLAY DISTRICTS, SUCH AS: AIRPORT, MILITARY, NOISE, CRASH POTENTIAL OR ENVIRONMENTAL ISSUES.
- 8.) BEFORE ANY DESIGN WORK OR CONSTRUCTION ON THIS SITE IS STARTED FLOOD ZONE INFORMATION MUST BE VERIFIED BY PROPER BUILDING CODES OFFICIAL.
- 9.) THIS PROPERTY APPEARS TO LIE IN FLOOD ZONE "C" AS DETERMINED BY F.E.M.A. FIRM COMM-PANEL NUMBER 450026 0005 D. DATED 09/29/86
- 10.) DATUM IS 1929 NGVD

REFERENCES:

- 1.) T.M.S. 000-00-00-000
- 2.) PLAT BY DATED PLAT BOOK RMC COUNTY

TREE LEGEND

CODE	COMMON NAME	BOTANICAL NAME
PN	PINE	Pinus spp.
LO	LIVE OAK	Quercus virginiana
O	OAK	Quercus spp.
MAG	SOUTHERN MAGNOLIA	Magnolia grandiflora
PA	PALMETTO	Sabal palmetto
SUB	SUGARBERRY	Celtis laevigata
EL	ELM	Ulmus spp.
HI	HICKORY	Carya spp.
BAY	BAY MAGNOLIA	Gordonia spp.
WX	WAX MYRTLE	Myrica cerifera
CH	CHERRY	Prunus spp.
SE	EASTERN RED CEDAR	Juniperus virginiana
TA	CHINESE TALLOW-TREE	Sapinum sibiricum
PO	YELLOW POPLAR	Liriodendron tulipifera
BI	BIRCH	Betula spp.
CY	BALDCCYPRESS	Taxodium distichum
SY	AMERICAN SYCAMORE	Pterocarpus occidentalis
PE	PECAN	Carya hirsuta
CR	GRAPEMYRTLE	Lagerstroemia indica
FR	FRUIT TREE	
MP	MAPLE	Morus spp.
DW	DOGWOOD	Cornus florida
QUM	QUM	
LNK	UNKNOWN	

ALL TREES ARE LOCATED TO THE FACE OF THE TREE TRUNK. THEREFORE TOLERANCE OF THE TREE LOCATED IS PLUS OR MINUS THE DIAMETER OF THE TREE LOCATED 0.5 FEET. ALL TREES ARE MEASURED AT CHEST HEIGHT WHICH IS APPROXIMATELY 40 INCHES ABOVE GROUND. GROUND ELEVATION AT TREE LOCATIONS MAY OR MAY NOT ACCURATELY REPRESENT ELEVATIONS BETWEEN TREE SHOTS DUE TO THE GROUND BUTTRESS AT THE BASE OF THE TREE.
*NOTEWAY TREE LOCATION THAT IS CRITICAL BEYOND THE TOLERANCE STATED ABOVE FOR DESIGN MUST BE POINTED OUT AND A TIGHTER TOLERANCE MUST BE AGREED UPON.

SURVEY PREPARED BY:

GASQUE & ASSOCIATES INC.
LAND SURVEYORS PLANNERS

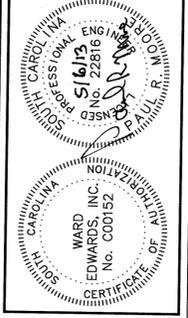
28 PROFESSIONAL VILLAGE CIRCLE, BEAUFORT, S.C.
P.O. BOX 1363, BEAUFORT, S.C.
(843) 522-1798

ASBUILT & TOPOGRAPHICAL SURVEY
INTERSECTION OF
PIGEON POINT ROAD AND BOUNDARY STREET
PREPARED FOR
WARD EDWARDS
CITY OF BEAUFORT
BEAUFORT COUNTY SOUTH CAROLINA

JOB# 40156 F.B.# 840/DJ DRAWN BY7
DATE 4/11/2013 SCALE 1"=10'

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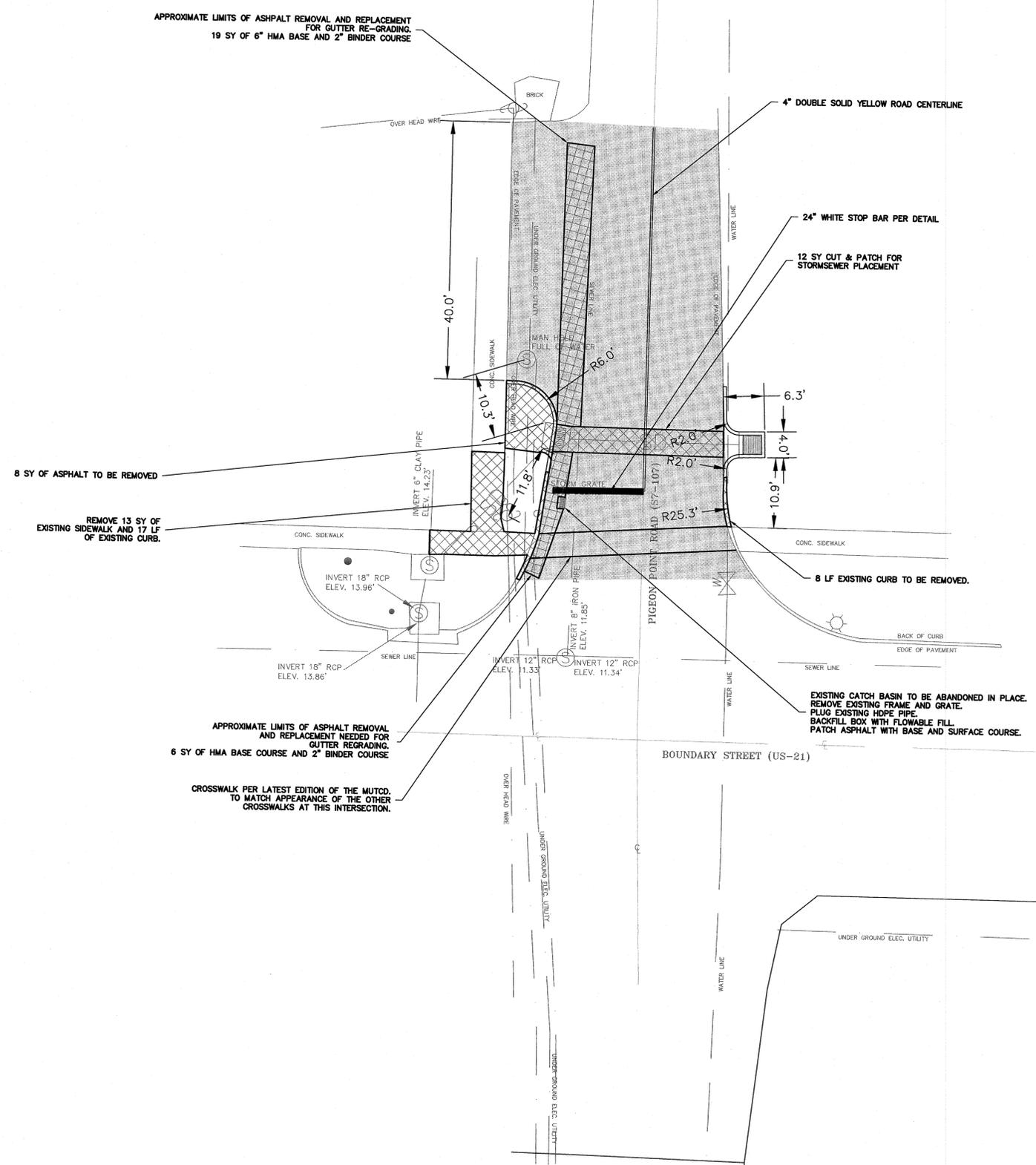
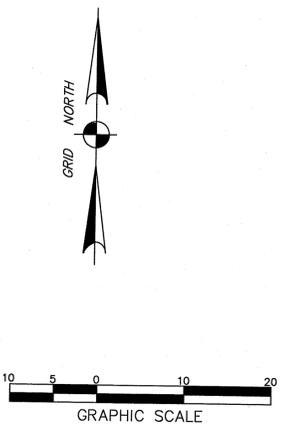
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PIGEON POINT RD DRAINAGE IMPROVEMENTS
BEAUFORT COUNTY, SOUTH CAROLINA
CITY OF BEAUFORT
BEAUFORT, SC
**STAKING, PAVEMENT MARKING,
DEMOLITION & EROSION CONTROL PLAN**

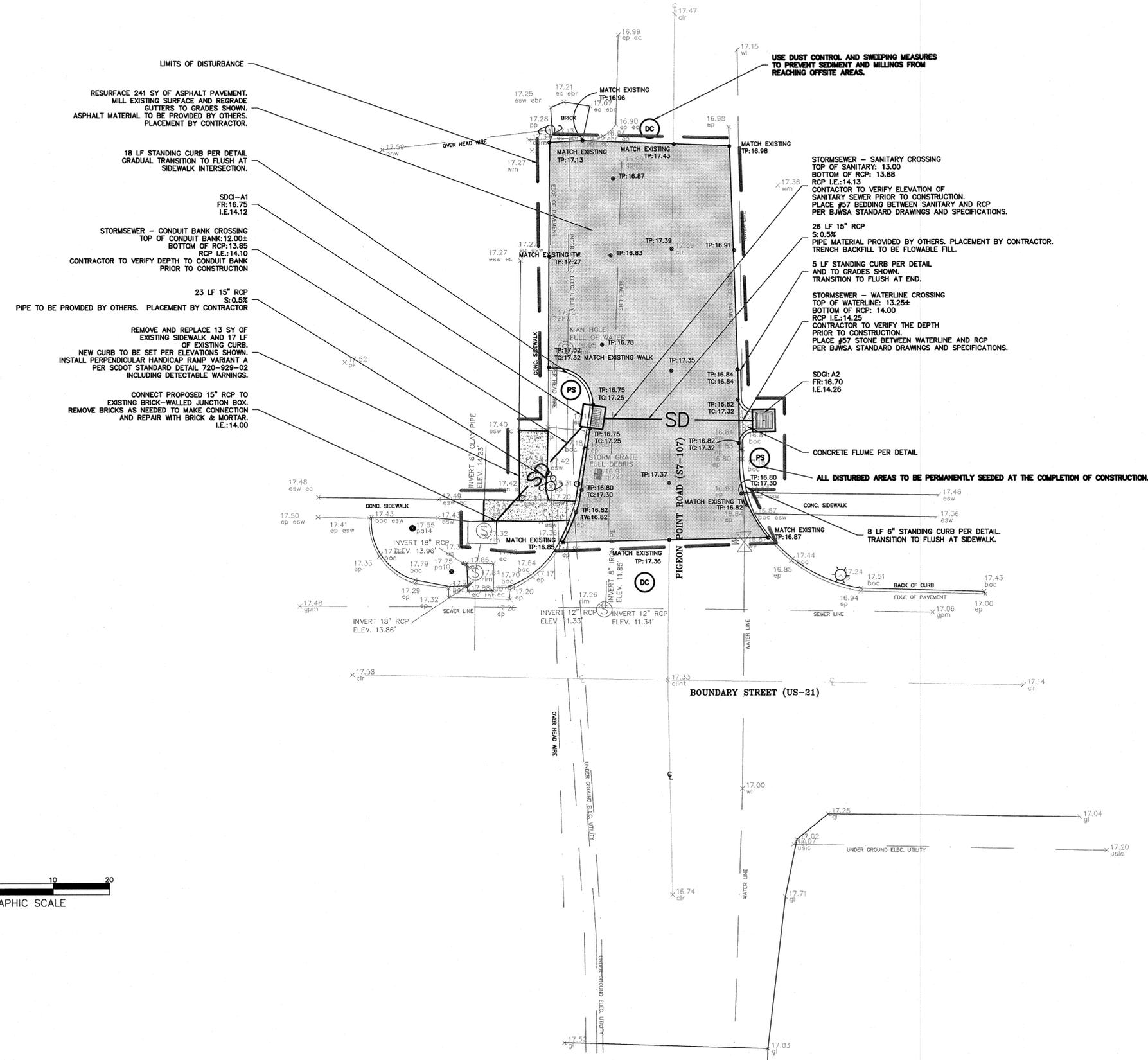
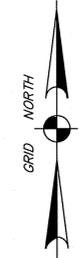
NOT FOR CONSTRUCTION
 RELEASED FOR CONSTRUCTION

PROJECT #: 130214/B
DATE: 05/06/13
DESIGNED BY: CAT
CHECKED BY: PRM
SCALE: 1"=10'

SHEET
C.04



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LIMITS OF DISTURBANCE

RESURFACE 241 SY OF ASPHALT PAVEMENT. MILL EXISTING SURFACE AND REGRADE GUTTERS TO GRADES SHOWN. ASPHALT MATERIAL TO BE PROVIDED BY OTHERS. PLACEMENT BY CONTRACTOR.

18 LF STANDING CURB PER DETAIL. GRADUAL TRANSITION TO FLUSH AT SIDEWALK INTERSECTION.

SDCI-A1
FR:16.75
I.E.:14.12

STORMSEWER - CONDUIT BANK CROSSING
TOP OF CONDUIT BANK: 12.00±
BOTTOM OF RCP: 13.85
RCP I.E.: 14.10
CONTRACTOR TO VERIFY DEPTH TO CONDUIT BANK PRIOR TO CONSTRUCTION

23 LF 15" RCP
S: 0.5%
PIPE TO BE PROVIDED BY OTHERS. PLACEMENT BY CONTRACTOR

REMOVE AND REPLACE 13 SY OF EXISTING SIDEWALK AND 17 LF OF EXISTING CURB.
NEW CURB TO BE SET PER ELEVATIONS SHOWN. INSTALL PERPENDICULAR HANDICAP RAMP VARIANT A PER SCDOT STANDARD DETAIL 720-929-02 INCLUDING DETECTABLE WARNINGS.

CONNECT PROPOSED 15" RCP TO EXISTING BRICK-WALLED JUNCTION BOX. REMOVE BRICKS AS NEEDED TO MAKE CONNECTION AND REPAIR WITH BRICK & MORTAR.
I.E.: 14.00

USE DUST CONTROL AND SWEEPING MEASURES TO PREVENT SEDIMENT AND MILLINGS FROM REACHING OFFSITE AREAS.

STORMSEWER - SANITARY CROSSING
TOP OF SANITARY: 13.00
BOTTOM OF RCP: 13.88
RCP I.E.: 14.13
CONTRACTOR TO VERIFY ELEVATION OF SANITARY SEWER PRIOR TO CONSTRUCTION. PLACE #57 BEDDING BETWEEN SANITARY AND RCP PER BWSA STANDARD DRAWINGS AND SPECIFICATIONS.

26 LF 15" RCP
S: 0.5%
PIPE MATERIAL PROVIDED BY OTHERS. PLACEMENT BY CONTRACTOR. TRENCH BACKFILL TO BE FLOWABLE FILL.

5 LF STANDING CURB PER DETAIL AND TO GRADES SHOWN. TRANSITION TO FLUSH AT END.

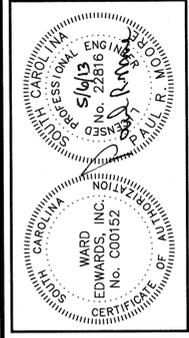
STORMSEWER - WATERLINE CROSSING
TOP OF WATERLINE: 13.25±
BOTTOM OF RCP: 14.00
RCP I.E.: 14.25
CONTRACTOR TO VERIFY THE DEPTH PRIOR TO CONSTRUCTION. PLACE #57 STONE BETWEEN WATERLINE AND RCP PER BWSA STANDARD DRAWINGS AND SPECIFICATIONS.

SDGI: A2
FR: 16.70
I.E.: 14.26

CONCRETE FLUME PER DETAIL

ALL DISTURBED AREAS TO BE PERMANENTLY SEEDED AT THE COMPLETION OF CONSTRUCTION.

8 LF 6" STANDING CURB PER DETAIL. TRANSITION TO FLUSH AT SIDEWALK.



NO.	DESCRIPTION	DATE
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PIGEON POINT RD DRAINAGE IMPROVEMENTS
BEAUFORT COUNTY, SOUTH CAROLINA

CITY OF BEAUFORT
BEAUFORT, SC

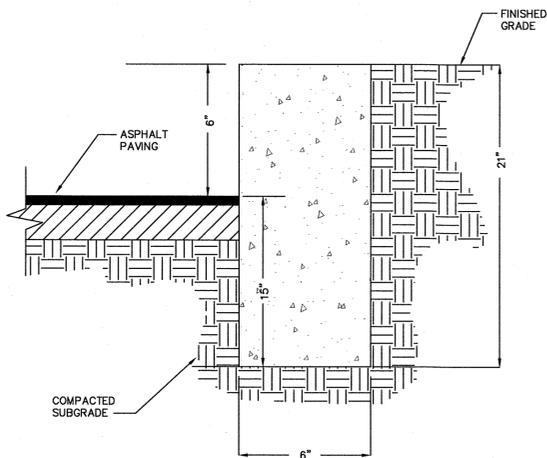
PAVING, GRADING & DRAINAGE PLAN

NOT FOR CONSTRUCTION
 RELEASED FOR CONSTRUCTION

PROJECT #: 130248
DATE: 05/06/13
DESIGNED BY: CAT
CHECKED BY: PRM
SCALE: 1"=10'

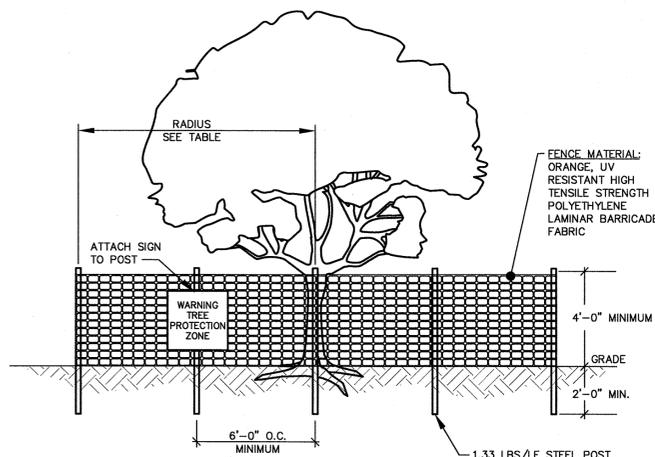
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6" STANDING CURB

DETAIL 03300-005



NOTES:

- ALL TREES DESIGNATED TO BE SAVED SHALL BE PROTECTED BY FENCING.
- INSTALL TREE PROTECTION FENCE TO RADIUS INDICATED IN TABLE UNLESS OTHERWISE INDICATED ON PLANS.
- WARNING SIGNS TO BE MADE OF DURABLE WATERPROOF MATERIAL.
- ALL WARNING SIGN LETTERS TO BE AT LEAST 3 INCHES HIGH, CLEARLY LEGIBLE AND SPACED A MINIMUM OF ONE EVERY 40 FT. FOR PROTECTION AREAS LESS THAN 40 FT IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER SIDE.
- THE SIZE OF EACH WARNING SIGN MUST BE A MINIMUM OF 2' x 2' AND BE VISIBLE FROM BOTH SIDES OF THE FENCE.
- ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC.
- THERE SHALL BE NO STORAGE OF MATERIAL WITHIN THE BOUNDARIES OF THE TREE PROTECTION FENCING.
- TREE PROTECTION FENCING SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. FENCING MUST REMAIN UPRIGHT AND SLACK FREE.

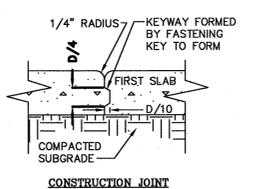
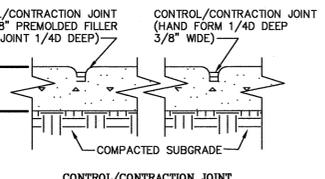
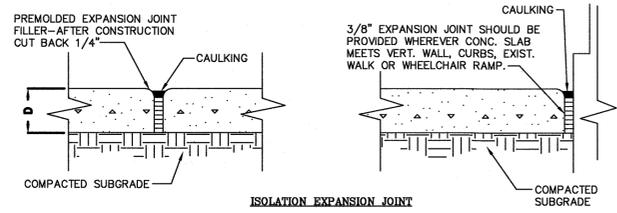
JURISDICTION	RADIUS OF CIRCULAR TPZ
BEAUFORT COUNTY DSO 106-1846(b)(2)OR	1 FOOT PER INCH OF TRUNK DBH OR 5 FEET, WHICHEVER IS GREATER
TOWN OF BLUFFTON UDO 5.3.3, C(1)	1.5 FEET PER INCH OF TRUNK DBH
TOWN OF HILTON HEAD LMO 16-6-404	FENCING AT DRIP LINE FOR "SPECIMEN TREES", SEE PLANS FOR ALL OTHERS
CITY OF BEAUFORT UDO 7.3, D(3)	0.5 FOOT PER INCH OF TRUNK DBH OR 5 FEET, WHICHEVER IS GREATER
JASPER COUNTY ZONING ORD. ART. 13	FENCING AT DRIP LINE FOR "SIGNIFICANT" AND "LANDMARK" TREES
CITY OF HARDEEVILLE MZDSO 4.8, F	FENCING AT DRIP LINE FOR "PROTECTED TREES", SEE PLANS FOR ALL OTHERS

DBH = TRUNK DIAMETER AT BREAST HEIGHT

TREE PROTECTION FENCE

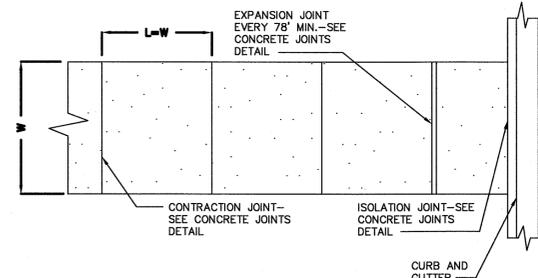
DETAIL #02915-008

NOTE: D = 4"

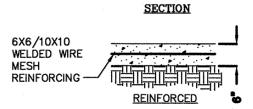


CONCRETE JOINTS

DETAIL 03300-007

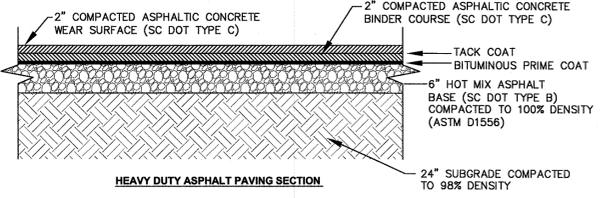


- NOTES:**
- W = VARIES, REFER TO STAKING PLAN.
 - L = WIDTH OF PAVING UNLESS OTHERWISE INDICATED ON PLAN.
 - SLOPE = AS INDICATED ON GRADING PLAN, NOT TO EXCEED 2% CROSS OR 8.33% LONGITUDINAL.
 - ALL CONCRETE SHALL BE CLASS A 3000 PSI.
 - FINISH: BROOM WITH HAND TOOLED JOINTS AND EDGES.



CONCRETE SIDEWALK

DETAIL 03300-006



TYPICAL ASPHALT PAVING SECTION

DETAIL 02740-016

PERMANENT SEEDING - COASTAL

SPECIES	LBS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SANDY, DROUGHTY SITES													
BROWNTOP MILLET	10 LBS/AC												
BAHIAGRASS	40 LBS/AC												
BROWNTOP MILLET	10 LBS/AC												
BAHIAGRASS	30 LBS/AC												
SERICEA LESPEDEZA	40 LBS/AC												
BROWNTOP MILLET	10 LBS/AC												
ATLANTIC COASTAL PANICGRASS	15 LBS/AC PLS												
BROWNTOP MILLET	10 LBS/AC												
SWITCHGRASS (ALAMO)	8 LBS/AC PLS												
LITTLE BLUESTEM	4 LBS/AC												
SERICEA LESPEDEZA	20 LBS/AC												
BROWNTOP MILLET	10 LBS/AC												
WEEPING LOVEGRASS	8 LBS/AC												
WELL DRAINED, CLAYEY/LOAMEY SITES													
BROWNTOP MILLET	10 LBS/AC												
BAHIAGRASS	40 LBS/AC												
RYE, GRAIN	10 LBS/AC												
BAHIAGRASS	40 LBS/AC												
CLOVER, CRIMSON (ANNUAL)	5 LBS/AC												
BROWNTOP MILLET	10 LBS/AC												
BAHIAGRASS	30 LBS/AC												
SERICEA LESPEDEZA	40 LBS/AC												
BROWNTOP MILLET	10 LBS/AC												
BERMUDA, COMMON	10 LBS/AC												
SERICEA LESPEDEZA	40 LBS/AC												
BROWNTOP MILLET	10 LBS/AC												
BERMUDA, COMMON	12 LBS/AC												
KOBE LESPEDEZA (ANNUAL)	10 LBS/AC												
BROWNTOP MILLET	10 LBS/AC												
BAHIAGRASS	20 LBS/AC												
BERMUDA, COMMON	6 LBS/AC												
SERICEA LESPEDEZA	40 LBS/AC												
BROWNTOP MILLET	10 LBS/AC												
SWITCHGRASS	8 LBS/AC												
LITTLE BLUESTEM	3 LBS/AC												
INDIANGRASS	3 LBS/AC PLS												

PS PERMANENT SEEDING - COASTAL

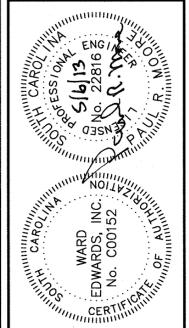
DETAIL 02370-010

TEMPORARY SEEDING - COASTAL

SPECIES	LBS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SANDY, DROUGHTY SITES													
BROWNTOP MILLET	40 LBS/AC												
RYE, GRAIN	56 LBS/AC												
RYEGRASS	50 LBS/AC												
WELL DRAINED, CLAYEY/LOAMEY SITES													
BROWNTOP MILLET OR JAPANESE MILLET	40 LBS/AC												
RYE, GRAIN OR OATS	56 LBS/AC												
RYEGRASS	50 LBS/AC												

TS TEMPORARY SEEDING - COASTAL

DETAIL 02370-011



NO.	DESCRIPTION	DATE
7		
6		
5		
4		
3		
2		
1		

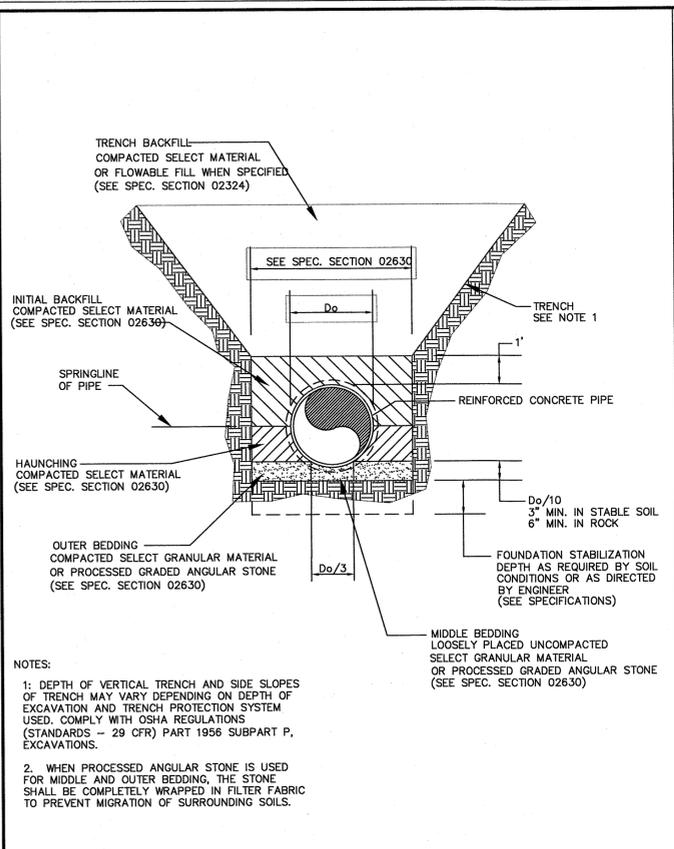
Ward Edwards ENGINEERING
P.O. BOX 381, BLUFFTON, SOUTH CAROLINA 29910
PH (843) 837-5230 / FAX (843) 837-2558
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PIGEON POINT RD DRAINAGE IMPROVEMENTS
BEAUFORT COUNTY, SOUTH CAROLINA
CITY OF BEAUFORT
BEAUFORT, SC
CONSTRUCTION DETAILS

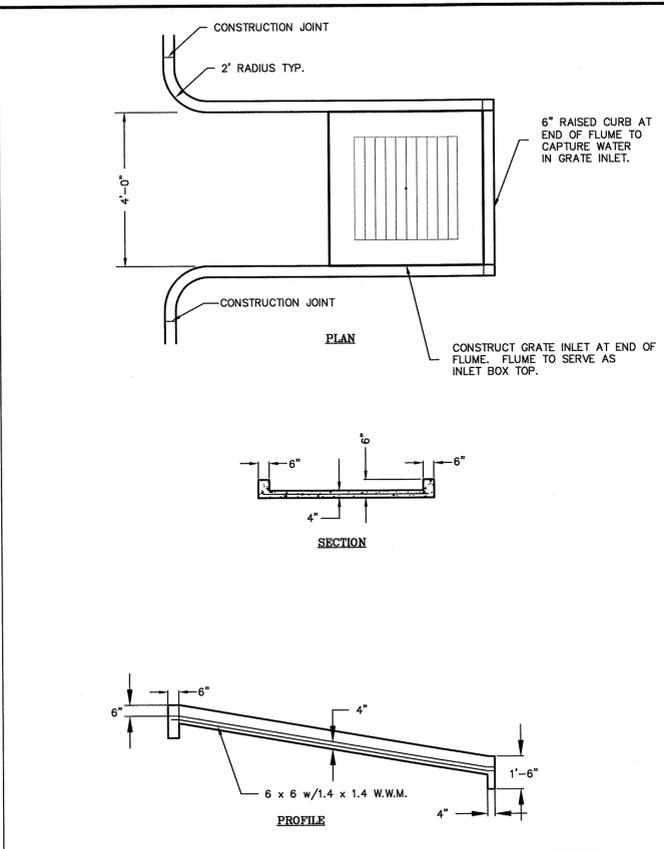
NOT FOR CONSTRUCTION
 RELEASED FOR CONSTRUCTION

PROJECT #:	130214B
DATE:	05/06/13
DESIGNED BY:	CAT
CHECKED BY:	PRM
SCALE:	AS NOTED

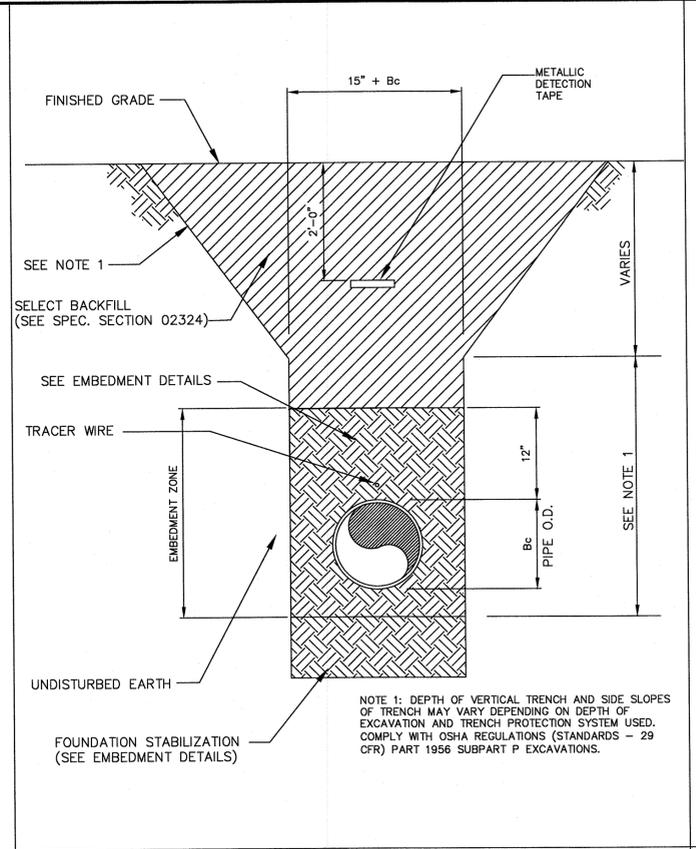
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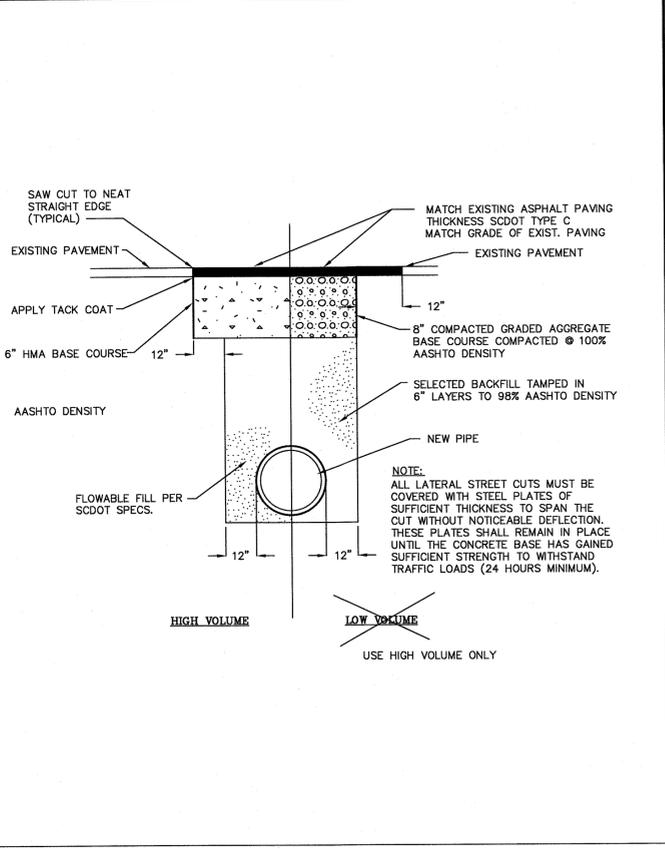
EMBEDMENT DETAIL FOR REINFORCED CONCRETE PIPE



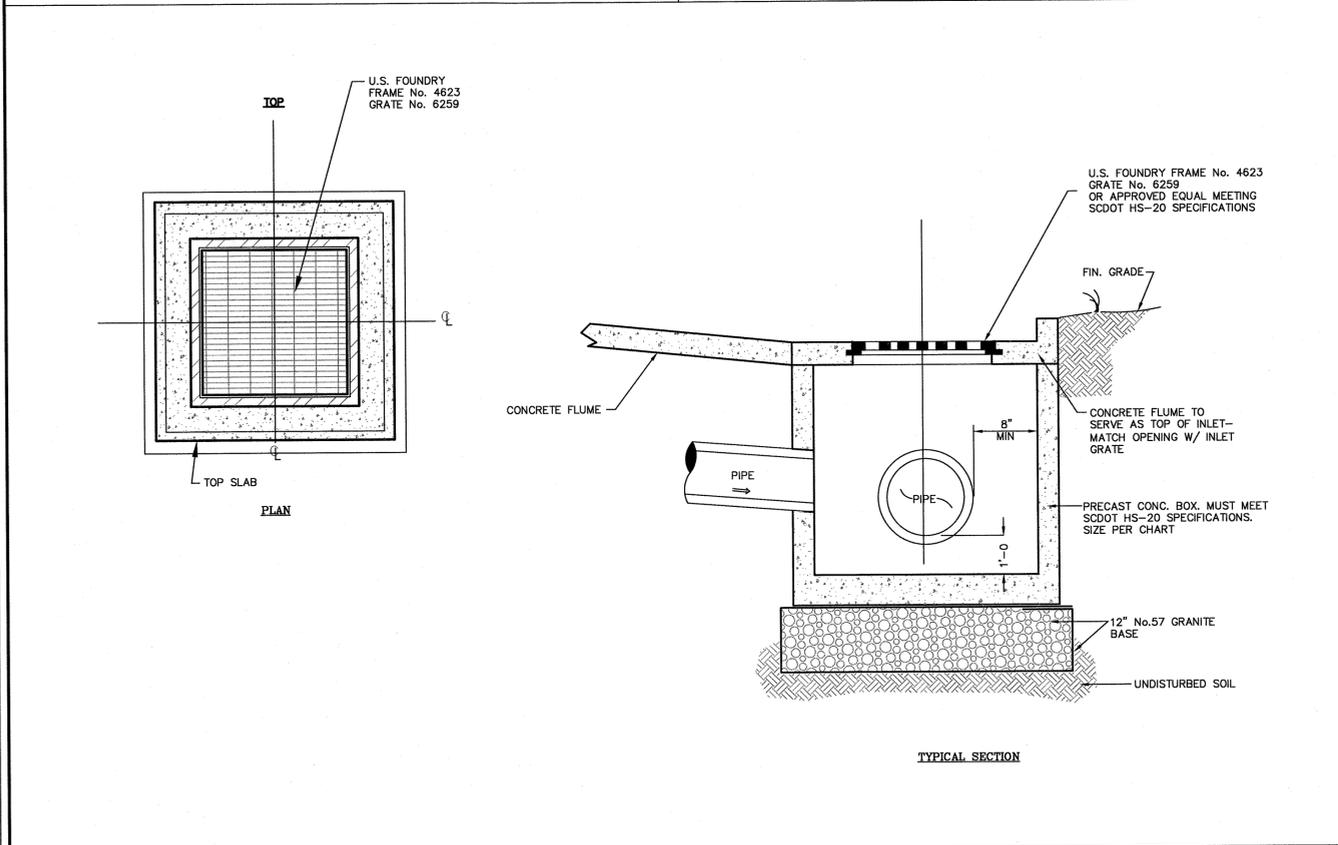
CONCRETE FLUME



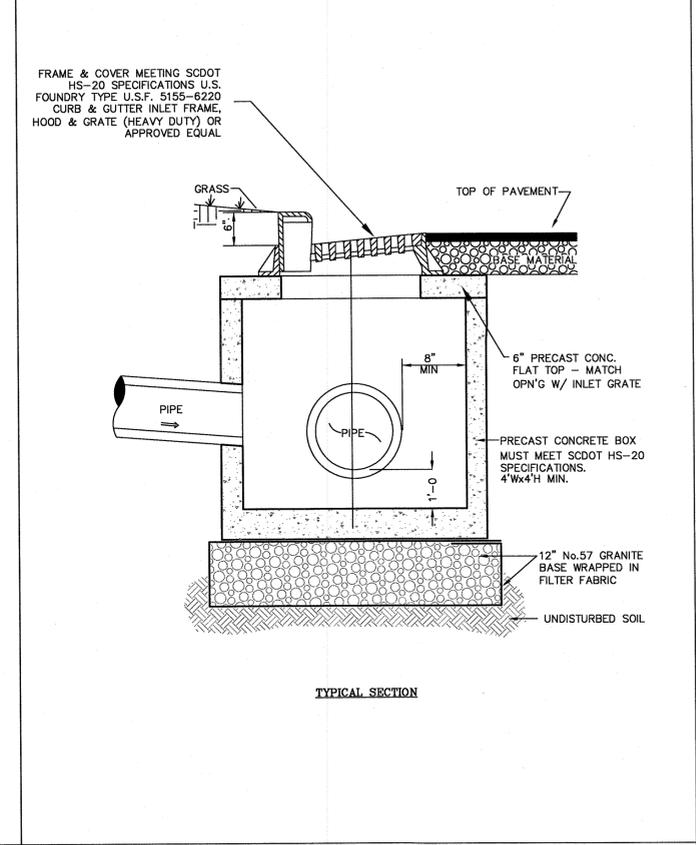
TRENCH DETAIL - UNPAVED AREA



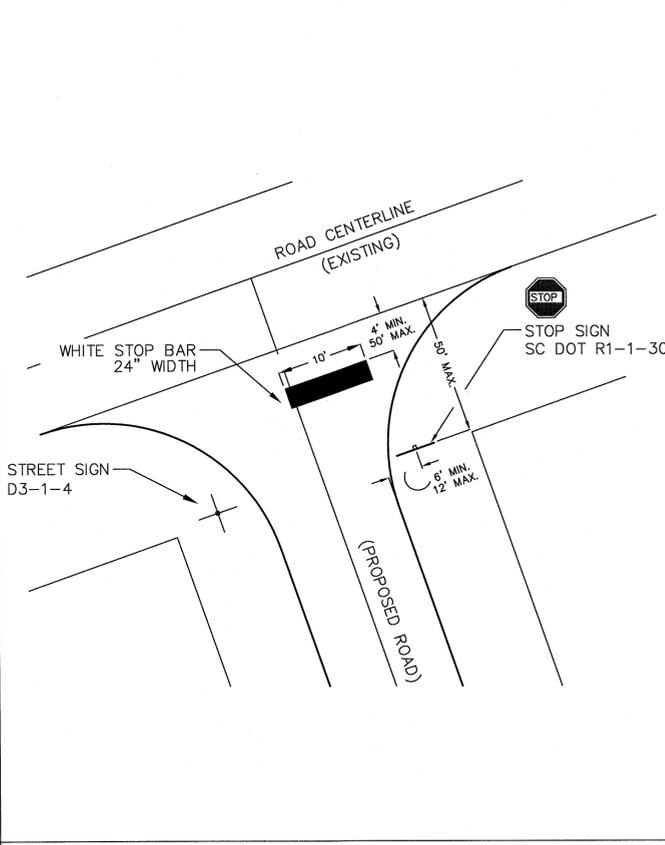
ASPHALT CUT AND PATCH



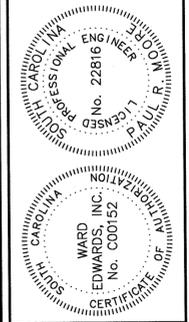
GRATE INLET (SDGI)



CURB INLET WITH FRAME AND COVER



TYPICAL STOP SIGN & STOP BAR STRIPING AT INTERSECTION



NO.	DESCRIPTION	DATE
7		
6		
5		
4		
3		
2		
1		

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PIGEON POINT RD DRAINAGE IMPROVEMENTS
 BEAUFORT COUNTY, SOUTH CAROLINA
 CITY OF BEAUFORT
 BEAUFORT, SC
CONSTRUCTION DETAILS

PROJECT #: 130214B
 DATE: 05/06/13
 DESIGNED BY: CAT
 CHECKED BY: FRM
 SCALE: AS NOTED

SHEET
C.06B