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TOTAL		62

TOWN OF HILTON HEAD ISLAND, S.C.



POPE AVENUE - OFFICE PARK ROAD INTERSECTION ROADWAY AND DRAINAGE IMPROVEMENTS

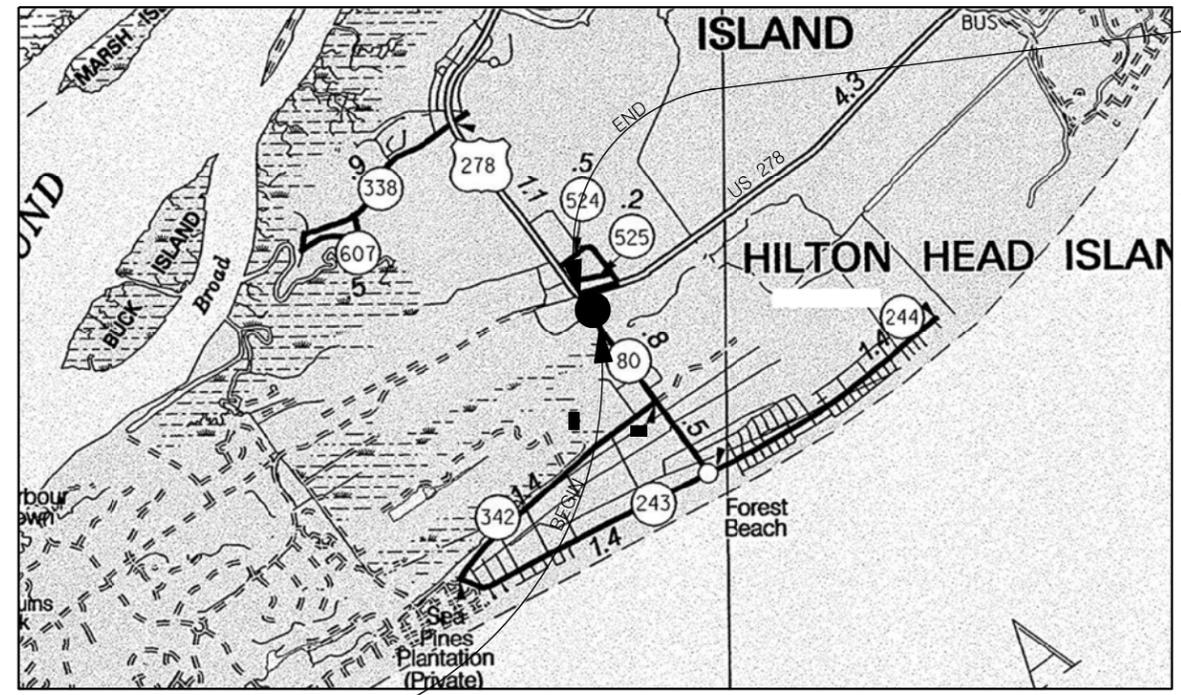


LOCATION MAP
N.T.S.

Design Reference for these plans is the:
2001
AASHTO "A Policy on Geometric Design of Highways and Streets"

Hydraulic Design Reference for these plans is the:
2009
Edition of SCDOT's "Requirements for Hydraulic Design Studies"

ENVIRONMENTAL PERMIT INFORMATION			
USACE PERMIT	___ YES	<input checked="" type="checkbox"/> NO	
NEPA DOCUMENT	___ YES	<input checked="" type="checkbox"/> NO	
401 CERTIFICATION	___ YES	<input checked="" type="checkbox"/> NO	
OCRM CAP	<input checked="" type="checkbox"/> YES	___ NO	
NAVIGABLE WATERS	___ SC	___ USCG	___ USACE <input checked="" type="checkbox"/> NA



POPE AVE. CONSTR. @ STA. 210+15.00 END PROJECT

Note: Before any clearing, tree removal, soil removal, or any other site work begins, Town staff must inspect the site to ensure the required erosion control fence has been installed correctly. Please contact Anne Cyran, Senior Planner, at 843-341-4697 or at anec@hiltonheadislandsc.gov to schedule the pre-clear inspection. Please allow for two full business days for the pre-clear inspection and any required re-inspections.

The point of contact for this project is:
Jeff Buckalew, P.E.
Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928
Office: 843.341.4600

Developer: Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

Owner: Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

NPDES PERMIT INFORMATION	
DISTURBED AREA =	1.50 ACRES
PERMITTED AREA =	4.50 ACRES

APPROXIMATE LOCATION OF ROADWAY IS	
BEGIN	
LATITUDE	32° 09'08.11"N
LONGITUDE	80° 45'36.10"W
END	
LATITUDE	32° 09'15.67"N
LONGITUDE	80° 45'42.25"W

Hydraulic and NPDES Design provided by:
ICE INFRASTRUCTURE CONSULTING & ENGINEERING
Designs may be obtained from the SCDOT Regional Production Group

THE PRESENCE, SIZE AND LOCATION OF THE EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON INFORMATION OBTAINED FROM PREVIOUS CONSTRUCTION PLANS AND VISIBLE ABOVE GROUND STRUCTURES. THE ACTUAL SIZE, LOCATION AND TYPE OF MATERIAL MAY VARY UPON EXCAVATION. THERE MAY BE OTHER EXISTING UTILITIES ON THIS SITE NOT SHOWN ON THIS PLAN. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION ACTIVITIES.

ESTIMATED TRAFFIC DATA			
NA	ADT	NA	
NA	ADT	NA	
TRUCKS	NA	%	

POPE AVE. CONSTR. @ STA. 201+00.00 BEGIN PROJECT

PROPOSED PROJECT	NEW ORLEANS RD.	POPE AVE.	OFFICE PARK RD.	TOTAL
NET LENGTH OF ROADWAY	0.082	0.173	0.090	0.345 MILES
NET LENGTH OF PROJECT	0.082	0.173	0.090	0.345 MILES
GROSS LENGTH OF PROJECT	0.082	0.173	0.090	0.345 MILES

EQUALITIES IN STATIONING
NONE

NOTE:
EXCEPT AS MAY BE OTHERWISE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2007 EDITION) AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF FINAL LETTING.

AUGUST 2016

CONSULTING ENGINEERING FIRM
ICE INFRASTRUCTURE CONSULTING & ENGINEERING

PLANS PREPARED BY:
INFRASTRUCTURE CONSULTING & ENGINEERING
1691 TURNBULL AVENUE
CHARLESTON, S.C. 29405
PH. (843) 266-3581
<http://www.ice-eng.com>

ENGINEER OF RECORD
BID SET
NOT FOR CONSTRUCTION
FOR CONSTRUCTION : _____ DATE _____

Z:\Projects\14-37\110\Office Park-Pope-NOV\Plans\SH1_01-Title Sheet.dgn
8/10/2016

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD /ROUTE NO.	SHEET NO.
3	SC	BEAUFORT		POPE AVENUE OFFICE PARK RD.	2

GENERAL NOTES

THE CONTRACTOR SHALL SUBMIT ALL SITE CONSTRUCTION SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL. ANY REQUESTS FOR INFORMATION (RFI), SUBSTITUTIONS, OR REVISIONS SHALL BE REQUESTED IN WRITING AND APPROVED BY THE ENGINEER PRIOR TO MODIFICATION.

THE CONTRACTOR SHALL SUBMIT PROPER NOTIFICATION FOR REQUIRED INSPECTIONS. IN NO CASE SHALL NOTIFICATION BE LESS THAN 24 HOURS.

IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL REQUIRED PERMITS ARE IN HAND PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

PROPOSED ELEVATIONS:
THE CONTRACTOR SHALL SET AND ADJUST PROPOSED ELEVATIONS AS NECESSARY TO ENSURE PROPER LONGITUDINAL GRADE FOR DRAINAGE.

DRAINAGE STRUCTURES:
GRADES, ELEVATIONS AND LOCATIONS SHOWN ARE APPROXIMATE. AS DIRECTED BY THE ENGINEER, THEY MAY BE ADJUSTED TO ACCOMMODATE UNDESIRABLE CONDITIONS. STATIONS, OFFSETS AND ELEVATIONS REFER TO THE CENTER OF DROP INLETS, MANHOLES AND JUNCTION BOXES, AND THE MIDPOINT OF THE LIP FOR CATCH BASINS.

BARRICADES, DANGER AND WARNING SIGNS:
ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" LATEST EDITION. THE CONTRACTOR SHALL INSTALL AND MAINTAIN BARRICADES, SUITABLE AND SUFFICIENT LIGHTS, DANGER SIGNALS, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES AND SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF THE WORK AND SAFETY OF THE PUBLIC. LANES CLOSED TO TRAFFIC SHALL BE PROTECTED BY EFFECTIVE BARRICADES, LIGHTED DURING HOURS OF DARKNESS. SUITABLE WARNING SIGNS SHALL BE PROVIDED TO CONTROL, DIRECT TRAFFIC AND WARN PEDESTRIANS. UPON COMPLETION, ALL BARRICADES, SIGNS AND THE LIKE SHALL BE REMOVED.

SUBSURFACE PLANS:
SUBSURFACE INVESTIGATIONS ARE NOT AVAILABLE FOR THIS PROJECT. IT IS THE OBLIGATION OF THE CONTRACTOR TO MAKE THEIR OWN INVESTIGATIONS AND SUBSURFACE DATA THAT IS AVAILABLE AS TO THE NATURE AND EXTENT OF THE MATERIALS TO BE EXCAVATED, WASTED, GRADED, AND COMPACTED. THE INFORMATION SHOWN ON THESE PLANS IN NO WAY GUARANTEES THE AMOUNT OR NATURE OF THE MATERIAL TO BE ENCOUNTERED.

SANITARY PROVISIONS:
THE CONTRACTOR SHALL PROVIDE TEMPORARY SANITARY FACILITIES FOR THE USE OF THE WORKERS DURING THE PROGRESS OF THE WORK. THE SANITARY FACILITIES SHALL CONFORM TO THE REQUIREMENTS OF THE SOUTH CAROLINA DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL. ALL FACILITIES SHALL BE REMOVED AT THE COMPLETION OF THE CONTRACT.

INCIDENTAL ITEMS:
THE CONTRACTOR SHALL REMOVE AND RESET ANY INCIDENTAL ITEMS SUCH AS MAILBOXES OR FENCES AS NOTED ON THE PLANS, AS DIRECTED BY THE ENGINEER, AND/OR ARE DISTURBED DURING CONSTRUCTION.

RESPONSIBILITY REGARDING EXISTING UTILITIES AND STRUCTURES:
THE CONTRACTOR SHALL CONTACT "PALMETTO UTILITY PROTECTION SERVICE" AT 1-888-721-7877, AT LEAST 72 HOURS PRIOR TO BEGINNING EXCAVATION. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES WILL BE INVESTIGATED AND LOCATED AND VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE STARTING WORK. EXCAVATION IN THE VICINITY OF EXISTING STRUCTURES AND UTILITIES SHALL BE CAREFULLY DONE BY HAND. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO AND FOR MAINTENANCE AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE UTILITY COMPANIES FOR LOCATIONS, ANY RELOCATION, ADJUSTMENT OR REPLACEMENT OF UTILITY FACILITIES. VERTICAL ALIGNMENT OF WATERLINE TO BE ALTERED BY INSERTION OF VERTICAL BENDS WHICH ALLOW SEPARATION AS REQUIRED BY LOCAL JURISDICTION.

INTERRUPTION OF UTILITY SERVICE:
THE CONTRACTOR'S OPERATIONS SHALL BE SO CONDUCTED AS TO INTERFERE AS LITTLE AS POSSIBLE WITH UTILITY SERVICES. ANY PROPOSED INTERRUPTION BY THE CONTRACTOR MUST BE ACCEPTED IN ADVANCE BY THE ENGINEER AND RESPECTIVE UTILITY OWNER.

UTILITIES:
PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL LOCATE AND VERIFY THE SIZE AND INVERT OF ALL EXISTING UTILITIES. WHERE CONFLICTS EXIST BETWEEN THE UTILITY AND NEW CONSTRUCTION, THE UTILITY SHALL BE RELOCATED BY THE APPROPRIATE UTILITY PROVIDER(S). THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY PROVIDER. REPAIR OF ANY AND ALL DAMAGES TO EXISTING UTILITIES DUE TO THIS CONSTRUCTION ARE THE CONTRACTOR'S RESPONSIBILITY.

THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AT LEAST 72 HOURS PRIOR TO COMMENCING WORK. VERIFY UTILITIES WITHIN THE PROJECT LIMITS AND NOTIFY THE ENGINEER OF CONFLICTS OR VARIANCES TO THE PLANS PRIOR TO BEGINNING WORK OR PURCHASE OF MATERIALS. THE CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE CAUSED BY HIS OPERATIONS OR THOSE OF HIS AGENTS.

THE EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE RECORDS AND FIELD EXAMINATIONS. ALL LOCATIONS AND POSITIONS ARE APPROXIMATE. THE CONTRACTOR SHALL INDEPENDENTLY DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND PURCHASING CONSTRUCTION MATERIALS AND SHOULD NOTIFY THE ENGINEER OF ANY UNCHANGED UTILITIES. THE CONTRACTOR SHALL PROTECT ALL UTILITIES TO REMAIN AND SHALL AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR AS A RESULT OF THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES IN THE PROJECT AREA.

THE TOWN WILL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF UTILITY LOCATIONS, SIZES, DEPTHS, OR FOR COMPLETENESS OF UTILITY INFORMATION.

THE CONTRACTOR SHALL HOLD THE TOWN HARMLESS FOR ANY THIRD-PARTY INCONVENIENCE CREATED BY WORK OF HIS OWN FORCES OR THAT OF HIS AGENTS. AS NEEDED, THE CONTRACTOR SHALL ADJUST/RELOCATE THE SANITARY SEWER AND WATER LINES ONLY. ALL OTHER ADJUSTMENTS/RELOCATIONS WILL BE PERFORMED BY THE VARIOUS UTILITY OWNERS. THE CONTRACTOR SHALL COORDINATE WORK WITH UTILITY OWNERS SO AS NOT TO ADVERSELY AFFECT THE PROJECT SCHEDULE. THE CITY WILL NOT BE HELD RESPONSIBLE FOR ANY DELAYS OR DISRUPTIONS IN THE SCHEDULE DUE TO THE WORK OF OTHER UTILITY OWNERS.

EXISTING SANITARY SEWER AND WATER LINE:
THE CONTRACTOR SHALL USE CARE WHEN WORKING AROUND SANITARY SEWERS AND WATER LINES. SHOULD THE CONTRACTOR DAMAGE EXISTING SEWER OR WATER LINES, HE SHALL IMMEDIATELY REPLACE THE LINE, AT HIS EXPENSE, WITH DUCTILE IRON PIPE. SEWER LATERALS IN CONFLICT WITH PROPOSED STORM DRAINAGE IMPROVEMENTS SHALL BE REPLACED WITH DUCTILE IRON PIPE FROM SEWER MAIN TO EASEMENT LINE OR RIGHT-OF-WAY FARTHEST FROM THE SEWER MAIN.

THE CONTRACTOR SHALL ADJUST ALL WATER VALVES, WATER METER BOXES AND WATER VAULTS TO FINISHED GRADE. WATER METERS AND/OR CONCRETE DRIVEWAYS SHALL BE INSTALLED WITHIN CONCRETE DRIVEWAY BOXES. ALL WATER LATERALS SHALL ALSO BE CONNECTED TO PROP. WATER LINE WHERE THERE IS AN EXISTING WATER METER.

PATHWAY PAVING, GRADING, AND DRAINAGE NOTES

- WHERE EXISTING PAVEMENT IS SHOWN TO BE MATCHED, EDGE OR CONTACT FACE WITH EXISTING PAVEMENT SHALL BE SAW CUT TO A NEAT VERTICAL LINE.
- THE CONTRACTOR SHALL SAWCUT EXISTING ASPHALT AND/OR CONCRETE SURFACES PRIOR TO REMOVAL, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. A ONE FOOT MINIMUM WIDTH FOR ALL SAWCUTS.
- CONTRACTOR SHALL COORDINATE DEMOLITION AND IMPROVEMENTS TO MINIMIZE TRAFFIC INTERFERENCE AND OPERATIONS OF FACILITIES.
- TEMPORARY CONTROL OF STORM WATER DRAINAGE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. SEQUENCING AND CONSTRUCTION TECHNIQUES SHALL PREVENT OBSTRUCTION OF STORM SEWERS, PONDING IN TRAFFIC AREAS OR RAISING OF WATER LEVELS WHICH WOULD ENTER ADJACENT BUILDINGS OR STRUCTURES.
- ELEVATION OF TOP OF EXISTING MANHOLES, INLETS, WATER VALVE BOXES, ETC. SHALL BE ADJUSTED TO MATCH NEW PAVING OR RESURFACING GRADES. PRICE TO BE CONSIDERED INCIDENTAL TO THE WORK.
- PREPARATION, GRADING, PAVING AND OTHER SITE IMPROVEMENTS SHALL CONFORM TO THE FOLLOWING:
 - SUBGRADE PREPARATION: TOP SOIL SHALL BE REMOVED FROM PAVED AREAS TO A MINIMUM DEPTH OF 4". ALL EXCAVATION SHALL BE TO SUBGRADE LIMITS. SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 95% (ASTM D1556) DENSITY FOR A DEPTH OF 12 INCHES.
 - CONCRETE: MINIMUM 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS (5-1/2 BAGS CEMENT PER CU. YD.; ENTRAINED AIR 5% ± 1%).
 - BASE COURSE: 6" COMPACTED THICKNESS STABILIZED GRANITE AGGREGATE.
 - WEARING SURFACE: HOT PLANT MIX ASPHALT CONCRETE, TYPE B, 200 LBS/SY COMPACTED THICKNESS. (PRIME AS INDICATED BY PAVING SECTION DETAILS).
- ALL CONSTRUCTION MUST CONFORM TO APPLICABLE STATE, BEAUFORT COUNTY AND/OR TOWN OF HILTON HEAD STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND SOIL EROSION CONTROL AS MAY BE REQUIRED BY SC DHEC/OCRM. THE CONTRACTOR MUST INSTALL SILT BARRIERS AS SHOWN, OR DIRECTED, BY THE PROJECT ENGINEER AND/OR THE OCRM INSPECTOR.
- ALL PIPES BEING SHOWN AS ABANDONED WILL BE FILLED WITH FLOWABLE FILL. CONTRACTOR CAN ELECT TO LEAVE IN PLACE AND FILL WITH FLOWABLE FILL WITH THE TOWN'S APPROVAL AT NO ADDITIONAL COST.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE ON ROADS, CURBS, SIDEWALKS AND GRASSED LINED DITCHES BEING REPLACED OR CONSTRUCTED.
- PIPE LENGTHS AND SLOPE SHOWN IN PLAN AND PROFILE WERE DETERMINED USING CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

SCDHEC STANDARD NOTES

- IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCRI00000.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CANNOT BE MAINTAINED. IN THE FIELD BY THE CONTRACTOR BEFORE STARTING WORK. 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 TRUCKS, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SCOS 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-UNEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

GENERAL CONSTRUCTION NOTES

- CLEARING AND GRUBBING
THE CONTRACTOR WILL BE REQUIRED TO CLEAR ALL AREAS NECESSARY FOR THE CONSTRUCTION OF ANY SEDIMENT DAMS AND INSTALL THE SEDIMENT DAMS AND ALL OTHER PERIMETER EROSION CONTROL MEASURES PRIOR TO CLEARING AND GRUBBING ACTIVITIES. ALSO, THE CONTRACTOR SHALL STAGE HIS CLEARING AND GRUBBING WORK ALONG WITH HIS ROADWAY CONSTRUCTION WORK TO MINIMIZE THE AMOUNT OF EROSION AND SEDIMENTATION. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING ALL STAGES OF CONSTRUCTION.
- SEEDING
SEEDING SHALL BE ACCOMPLISHED ACCORDING TO S.C.D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION 2007 EDITION, SECTION 810.
- EROSION CONTROL MEASURES
ALL EROSION CONTROL MEASURES ON THIS PROJECT SHALL BE IMPLEMENTED AS DETAILED ON THE PLANS AND SHALL COMPLY WITH S.C.D.O.T. STANDARD DRAWINGS, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2007 EDITION, AND THE SUPPLEMENTAL SPECIFICATIONS. SILT FENCE AND OTHER EROSION CONTROL FEATURES SHALL BE IN PLACE PRIOR TO GROUND DISTURBING ACTIVITY BEGINS. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING ALL STAGES OF CONSTRUCTION.
- PERMETER EROSION CONTROL DEVICES
SILT FENCE AND SEDIMENT TUBES MAY BE PLACED AT LOCATIONS WHERE SEDIMENT LEAVES THE PROJECT LIMITS ESPECIALLY AT THE TOE OF SLOPES THAT ARE NOT BEING PROTECTED BY SILT FENCE. SILT FENCE SHALL NOT BE PLACED IN A POSITION SUCH THAT IT BLOCKS DRIVEWAYS OR POINTS OF ACCESS TO PROPERTY. SEDIMENT TUBES (STAKED) SHALL BE UTILIZED, IN LIEU OF SILT FENCE, WITHIN TWELVE (12) FEET OF A TREE TO BE RETAINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF SEDIMENT TUBES THROUGHOUT THE EXTENT OF CONSTRUCTION.
- INTERIOR EROSION CONTROL DEVICES
INLET PROTECTION SHOULD BE PLACED WHEN PRACTICAL, AROUND EXISTING AND NEW CATCH BASINS SO AS TO PREVENT SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM. REFER TO THE PLAN SHEETS FOR PLACEMENT OF EROSION CONTROL MEASURES AND REFER TO THE SCDOT EROSION CONTROL STANDARD DRAWINGS FOR OTHER DETAILS ON OTHER EROSION CONTROL MEASURES.
- INSPECTION AND IMPLEMENTATION
ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED ACCORDING TO THE REQUIREMENTS OF THE NPDES GENERAL CONSTRUCTION PERMIT. STABILIZATION MEASURES SHALL BE IMPLEMENTED AS SOON AS PRACTICABLE WITHIN THE ALLOWABLE TIMEFRAME STATED WITHIN THE NPDES GENERAL CONSTRUCTION PERMIT IN PORTIONS OF THE SITE WHERE ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED.
- MAINTENANCE OF DRIVEWAYS
MAINTENANCE STONE HAS BEEN PROVIDED FOR MAINTAINING DRIVEWAYS THAT ARE DISTURBED BY CONSTRUCTION AND IN AREAS WHERE CONSTRUCTION TRAFFIC WILL ENTER A PAVED ROADWAY. MAINTENANCE STONE SHALL BE PLACED TO MINIMIZE THE TRACKING OF MUD/SOIL FROM CONSTRUCTION AND PUBLIC TRAFFIC ONTO PAVED ROADWAYS. STONE SHALL REMAIN IN PLACE UNTIL DRIVEWAYS ARE STABILIZED.
- SILT FENCE ALONG PIPE INSTALLATION
IN AREAS OF PIPE INSTALLATION OUTSIDE OF THE CONSTRUCTION LIMITS SHOWN ON THE PLANS, USE SILT FENCE AS NEEDED TO MINIMIZE SOIL LOSS FROM THE PROJECT. IMMEDIATELY AFTER COMPLETION OF PIPE INSTALLATION, APPLY PERMANENT VEGETATION TO DISTURBED AREAS.

CLEARING NOTES

- CLEARED AREAS TO BE COMPLETELY CLEARED IN ACCORDANCE WITH THE SPECIFICATIONS.
- NO CLEARING SHALL OCCUR WITHIN DESIGNATED BUFFER/TREE PROTECTION AREAS, OUTSIDE OF THE PROPERTY LINES OR BEYOND CLEARING LIMITS EXCEPT AS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL INSTALL A CONTINUOUS LINE OF FLAGGING OR FENCING ALONG THE LIMITS OF CLEARING PRIOR TO ANY CONSTRUCTION WORK BEGINNING.
- CAUTION SHOULD BE TAKEN DURING CLEARING OPERATIONS TO AVOID FELLING TREES INTO THE DESIGNATED TREE PROTECTION ZONE. NO BURNING SHALL OCCUR WITHIN 50 FEET OF A TREE PROTECTION ZONE.
- NO MATERIALS STORAGE, EARTH STORAGE, GAS FUELING, CONCRETE WASHOUT, DUMPING, OR CONSTRUCTION TRAFFIC IS ALLOWED WITHIN THE TREE PROTECTION ZONES.
- SELECTIVE CLEARING AREAS SHALL BE CLEARED OF ALL BRUSH AND UNDERSTORY GROWTH. ALL TREES OVER 6" IN DIAMETER WILL BE RETAINED AND PROTECTED FROM DAMAGE, UNLESS APPROVED FOR REMOVAL BY THE OWNER OR ENGINEER.
- ALL TREES SHOWN ON THE PLANS TO REMAIN SHALL BE CONSIDERED SPECIMEN TREES AND SHALL BE PROTECTED EVEN IF LOCATED WITHIN CLEARING AREAS. PROTECTION WILL INCLUDE, BUT IS NOT LIMITED TO, THE MEASURES DESCRIBED IN NOTES 4 AND 5 ABOVE. AN AREA 1 1/2 TIMES THE DIAMETER OF THE TREE TRUNK MEASURED 4 FEET FROM EXISTING GRADE WILL BE CONSIDERED THE TREE PROTECTION ZONE FOR AN INDIVIDUAL TREE.
- WHEN TREE ROOTS ARE SEVERED OR EXPOSED DURING TRENCHING OR GRADING OPERATIONS, RECUIT CLEANLY WITH A SHARP SAW BELOW FINISHED GRADE.

GENERAL SEQUENCE OF CONSTRUCTION

- RECEIVE NPDES COVERAGE FROM SC DHEC.
- CONDUCT PRE-CONSTRUCTION MEETING INCLUDING TOWN, ASSOCIATED CONTRACTORS, ENGINEER, SC DHEC, AND OTHER AFFECTED PARTIES AS NECESSARY.
- NOTIFY DHEC EOC REGIONAL OFFICE OR OCRM OFFICE 48 HOURS PRIOR TO BEGINNING LAND-DISTURBING ACTIVITIES.
- OBTAIN TREE PROTECTION APPROVAL LETTER AND COORDINATE PLACEMENT OF TREE PROTECTION FENCING WITH TOWN OF HILTON HEAD ISLAND NATURAL RESOURCES.
- INSTALL PERIMETER EROSION CONTROL MEASURES (SILT FENCE AND INLET PROTECTION). CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES.
- CLEARING & GRUBBING OF SITE OR DEMOLITION (SEDIMENT + EROSION CONTROL MEASURES FOR THESE AREAS MUST ALREADY BE INSTALLED).
- PERFORM ROUGH GRADING OPERATIONS.
- INSTALL STORM DRAIN SYSTEM AND PLACEMENT OF INLET PROTECTION AS EACH INLET IS INSTALLED.
- PERFORM FINE GRADING AND PAVING OPERATIONS IN A MANNER AND SEQUENCE SO AS TO REDUCE UNNECESSARY DISTURBANCE OF SURFACE COVER.
- PERMANENTLY OR TEMPORARILY VEGETATE AREAS AS COMPLETED OR LEFT IDLE.
- EROSION CONTROL MEASURES SHALL BE PROPERLY MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED. THE CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
- ONCE PERMANENT VEGETATION AND EROSION CONTROL MEASURES ARE ESTABLISHED, THE CONTRACTOR SHALL SCHEDULE A FINAL INSPECTION IN ORDER TO OBTAIN A CERTIFICATE OF COMPLETION.
- SUBMIT NOTICE OF TERMINATION (NOT) TO DHEC AS APPROPRIATE.

EROSION CONTROL NOTES

- ALL DISTURBED EARTH AREAS, NOT DESIGNATED TO BE PAVED, SHALL BE GRASSED USING FERTILIZER, MULCH, AND GRASS SEED OR SOO AS SHOWN ON THE PLAN. APPLY WATER AND MAINTAIN ACCORDING TO APPLICABLE PROVISIONS OF THE SCDOT'S "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION," LATEST EDITION.
 - PREPARATION: GRADE ALL SEED BEDS, THOROUGHLY REMOVING ALL RIDGES AND DEPRESSIONS AND MAKING AREAS INTO SMOOTH, CONTINUOUS, FIRM PLANES THAT ENSURE PROPER DRAINAGE. REMOVE ALL SOIL LUMPS, ROCKS, STICKS AND OTHER DELETERIOUS MATERIAL.
 - ALL SOIL EROSION CONTROL FEATURES SHALL COMPLY WITH THE STATE MANUAL FOR SOIL EROSION AND SEDIMENTATION CONTROL AND SHALL BE MAINTAINED BY CONTRACTOR AND INSPECTED DAILY UNTIL DISTURBED AREAS ARE COMPLETELY STABILIZED.
- REFER TO "SOUTH CAROLINA STORMWATER MANAGEMENT AND SEDIMENT CONTROL HANDBOOK FOR LAND DISTURBANCE ACTIVITIES" AND SCDOT'S "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION," LATEST EDITION FOR MINIMUM STANDARDS AND SPECIFICATIONS FOR DESIGN AND INSTALLATION OF EROSION AND SEDIMENT CONTROL DEVICES.
- IMMEDIATELY FOLLOWING ALL LAND DISTURBING ACTIVITIES THE CONTRACTOR SHALL SOW GRASS AS FOLLOWS:

COMMON BERMUDEA (HULLED)	30 LBS/ACRE
CARPETGRASS	35 LBS/ACRE
RESEEDING CRIMSON CLOVER	20 LBS/ACRE
ANNUAL RYEGRASS	15 LBS/ACRE
- SEEDS SHALL BE PROPORTIONED ACCORDING TO RESPECTIVE APPLICATION RATES. RESEEDING CRIMSON CLOVER AND ANNUAL RYEGRASS SHALL BE ELIMINATED FROM THE MIX IF SEEDING OCCURS BETWEEN MARCH 1 AND AUGUST 15.
- SEED SHALL BE APPLIED AS A HYDROMULCH OF FERTILIZER, MULCH AND GRASS SEED. IF A HYDROMULCH TECHNIQUE IS NOT USED, AFTER SOWING THE FERTILIZER AND SEED, THE ENTIRE AREA SHALL BE LIGHTLY RAKED OR DRAGGED TO COVER ALL SEED TO A MAXIMUM DEPTH OF APPROXIMATELY ONE-QUARTER INCH.
- APPLY WATER AND MAINTAIN SEEDING AREA. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE SOUTH CAROLINA LAND RESOURCES CONSERVATION COMMISSION "EROSION AND SEDIMENT CONTROL PRACTICES FOR DEVELOPING AREAS".
- FERTILIZING: APPLY 15-0-15 FERTILIZER AT THE RATE OF 10 POUNDS PER 1,000 SQUARE FEET RAKING LIGHTLY INTO THE SOIL.
- MULCHING: WHEAT STRAW IS TO BE SPREAD LIGHTLY OVER SEEDING AREA AT THE RATE OF 1 BALE PER 500 SQUARE FEET.
- WATERING: WATER IMMEDIATELY AFTER MULCHING.
- ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF PRECIPITATION DURING ANY 24-HOUR PERIOD. ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS.
- ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH THE NPDES GENERAL PERMIT SCRI000000. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STRICT COMPLIANCE WITH PERMIT SCRI000000.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING WRITTEN WEEKLY INSPECTION REPORTS, AS MAY BE REQUIRED BY SCDHEC/OCRM NPDES GENERAL PERMIT SCRI000000.
- THE CONTRACTOR WILL GRASS ALL DISTURBED AREAS NOT PAVED AS PER THE SEEDING SCHEDULE OR SC DHEC/OCRM REQUIREMENTS.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT AS MAY BE REQUIRED.

APPLICABLE SCDOT STANDARD DRAWINGS

100-105-00	SYMBOLS AND ABBREVIATIONS (ROAD)
100-110-00	SYMBOLS AND ABBREVIATIONS (UTILITY)
601-110-00	MATERIALS STORAGE PRIMARY & SECONDARY RURAL ROADWAYS
601-115-00	MATERIALS STORAGE PRIMARY & SECONDARY URBAN ROADWAYS
601-205-01	PROTECTION OF EXCAVATIONS ADJACENT TO ROADWAY
610-005-00	FLAGGING OPERATION TWO-LANE TWO-WAY PRIMARY & SECONDARY ROUTES
610-205-00	RIGHT SHOULDER CLOSURE (CASE I/ CASE II) PRIMARY ROUTES
610-210-00	LEFT SHOULDER CLOSURE (CASE I/ CASE II) PRIMARY ROUTES
610-215-00	LEFT SHOULDER CLOSURE (CASE I/ CASE II) PRIMARY ROUTES
625-305-00	STANDARD MARKINGS FOR INTERSECTIONS
714-000-00	PIPE CULVERTS
719-000-00	DRAINAGE STRUCTURES
719-105-01	DROP INLET (24" X 24")
719-110-01	DROP INLET (24" X 36")
804-305-02	OUTLET PROTECTION
804-310-00	OUTLET PROTECTION
815-000-00	EROSION CONTROL
815-001-01	TYPE 'A' INLET FILTER STRUCTURE
815-205-00	SEDIMENT TUBE DITCH APPLICATION
815-505-00	STABILIZED CONSTRUCTION ENTRANCE
815-605-00	TEMPORARY EROSION & SEDIMENTATION CONTROL (SILT FENCE)

ALL INLET PROTECTION TO TO SCDOT TYPE G

EXISTING SURVEY LEGEND

SYMBOL	ABBREV	DESCRIPTION	SYMBOL	ABBREV	DESCRIPTION
	BM	SURVEY BENCHMARK		TBX	TELEPHONE BOX
	RW/MON	RIGHT-OF-WAY MONUMENT		TPED	TELEPHONE PEDESTAL
	CON/MON	CONCRETE MONUMENT		GAS	POINT ON GAS LINE
	EIP	EXIST. IRON PIN		FH	FIRE HYDRANT
	CB	EXIST. CATCH BASIN		WP	WITNESS POST
	DI	EXISTING DROP INLET		WM	WATER/GAS METER
	JB	EXIST. JUNCTION BOX		WV	WATER/GAS VALVE
	MH/SMH	MANHOLE/SEWER MANHOLE		MMW	WATER MONITORING WELL
	GP	GUY POLE		CATV	CABLE TELEVISION BOX
	GUY	GUY WIRE		SHRUB	
	MSP	METER/SERVICE POLE		MB	MAILBOX
	PP	POWER POLE		FLAG	FLAGPOLE
	EPED	ELECTRIC PEDESTAL		AC	AIR CONDITIONING UNIT
	ETB	ELECTRIC TRANSFORMER BOX		SIGN	SIGN
	LP	LIGHT POLE		COL	COLUMN
	FLT	FLOOD LIGHT		FC	FILL CAP
	TP	TELEPHONE POLE		VAC	VACUUM (COMMERCIAL)

WATER LINE	-W	W
ELECTRIC WIRE (UNDERGROUND)	-UE	UE
ELECTRIC WIRE (OVERHEAD)	-E	E
TELEPHONE LINE (UNDERGROUND)	-T	T
TELEVISION LINE (UNDERGROUND)	-UTV	UTV
FIBER OPTIC CABLE LINE	-FOL	FOL
GAS LINE	-G	G
SANITARY SEWER LINE	-SS	SS
EXISTING PROPERTY LINE	-	-
FENCE LINE	X	X
STORM SEWER	-	-

PROPOSED IMPROVEMENTS LEGEND

	PERMANENT SEEDING		TEMPORARY SEEDING
	OUTLET PROTECTION		TREE REMOVAL
	STORM SEWER		TREE PROTECTION
	SILT FENCE		LIMITS OF DISTURBANCE

BID SET

NOT FOR CONSTRUCTION

TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

GENERAL NOTES

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

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SUMMARY OF ESTIMATED QUANTITIES

FED. RD. DIST. NO.	STATE	COUNTY	ROAD ROUTE NO.	PROJECT ID NO.	SHEET NO.
3	S.C.	BEAUFORT	POPE AVE.		2A

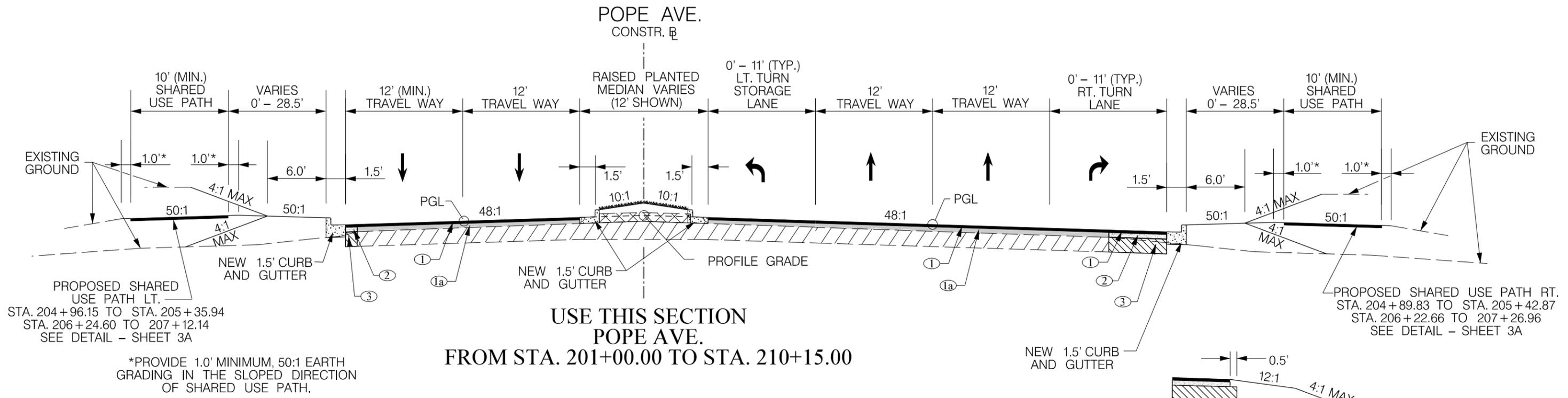
ITEM NO.	PAY ITEM	COMPUTED QUANTITY	PAY UNIT	INCIDENTAL QUANTITY	ITEM NO.	PAY ITEM	COMPUTED QUANTITY	PAY UNIT	INCIDENTAL QUANTITY
1031000	MOBILIZATION	NEC.	LS		7191605	CATCH BASIN -TYPE 16	13	EA	
1050800	CONSTRUCTION STAKES, LINES & GRADES	1	EA		7192105	MANHOLE	2	EA	
1071000	TRAFFIC CONTROL	NEC	LS		7196190	MANHOLE (TOP ONLY)	3	EA	
2012000	CLEARING & GRUBBING WITHIN ROADWAY	NEC	LS		7197120	ADJUST EXISTING MANHOLE TOPS	NEC	LS	
2016000	SELECTED REMOVAL OF MARKED TREES	NEC	LS		7197141	ADJUST UTILITY VALVE BOX COVERS	NEC	LS	
2021005	REM.&DISP.OF EXIST.CATCH BASIN	3	EA		7199100	BEVELING OF PIPE END	3	EA	
2021010	REM.&DISP.OF EXIST. DROP INLET	3	EA		7207001	CONCRETE FLUME	6	EA	
2021020	REM&DISP.OF EXISTING DRAINAGE STRUCTURE	1	EA		7203110	CONCRETE CURB AND GUTTER(1*-6") VERTICAL FACE	3870	LF	
2024100	REMOVAL & DISPOSAL OF EXISTING CURB	3910	LF		7204900	DETECTABLE WARNING SURFACE	260	SF	
2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	550	SY		7209000	PEDESTRIAN RAMP CONSTRUCTION	200	SY	
2031200	SITE EXCAVATION	1	LS		8041020	RIP-RAP (CLASS B)	50	TON	
2103000	FLOWABLE FILL	15	CY		8048210	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS 2)TYPE C	65	SY	
3050106	GRADED AGGREGATE BASE COURSE (6" UNIFORM)	1300	SY		8114011	TREE PROTECTION	NEC	LS	
3100310	HOT MIX ASPHALT BASE COURSE - TYPE A	600	TON		8152004	INLET STRUCTURE FILTER - TYPE F (WEIGHTED)	400	LF	
4011004	LIQUID ASPHALT BINDER PG64-22	250	TON		8152007	SEDIMENT TUBES FOR DITCH CHECKS	80	LF	
4013990	MILLING EXISTING ASPHALT PAVEMENT (VARIABLE)	3,600	SY		8153000	SILT FENCE	2900	LF	
4020310	HOT MIX ASPHALT INTERMEDIATE COURSE TYPE A	1,850	TON		8156200	CLEANING INLET STRUCTURE FILTERS	18	EA	
4030320	HOT MIX ASPHALT SURFACE COURSE TYPE B	1800	TON		8156490	STABILIZED CONSTRUCTION ENTRANCE (2)	550	SY	
6020005	PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED)	548	SF		SP-1	TRAFFIC PATTERN XD IMPRINTED CROSSWALK	4950	SF	
609105A	PAVEMENT MARKINGS(TEMPORARY-PAINT) 4" WHITE BROKEN LINES	250	LF		SP-2	REMOVAL OF EXISTING HEADWALL	3	EA	
609115A	PAVEMENT MARKINGS(TEMPORARY-PAINT)-4" WHITE SOLID LINES	5000	LF		SP-3	TRAFFIC SIGNAL	1	LS	
609115B	PAVEMENT MARKINGS(TEMPORARY-PAINT)-4" YELLOW SOLID LINES	9000	LF		SP-4	RECONSTR. ASPHALT FOR REPLACEMENT OF EXIST. RCP	1	LS	
609135A	PAVEMENT MARKINGS(TEMPORARY-PAINT)-24" WHITE SOLID LINES	100	LF		SP-5	PEDESTRIAN BRIDGE ABUTMENT	1	LS	
6250005	4" WHITE BROKEN LINES -(GAPS EXCLUDED)-FAST DRY PAINT	1200	LF		SP-6	LANDSCAPING PLANTS AND MULCH	1	LS	
6250010	4" WHITE SOLID LINES - FAST DRY PAINT	600	LF		SP-7	WATERING OF NEW LANDSCAPED AREAS	24	EA	
6250020	12" WHITE SOLID LINES(CROSSWALK&CHANNELIZATION)FAST DRY PAINT	1030	LF						
6250025	24" WHITE SOLID LINES (STOP/DIAGONAL LINES)-FAST DRY PAINT	220	LF						
6250030	WHITE SINGLE ARROW (LEFT, STRAIGHT, RIGHT)-FAST DRY PAINT	18	EA						
6250035	WHITE WORD MESSAGE "ONLY"-FAST DRY PAINT	18	EA						
6250110	4"YELLOW SOLID LINE(NO PASSING ZONE)-FAST DRY PAINT	1400	LF						
6271005	4" WHITE BROKEN LINES(GAPS EXCL.)THERMOPLASTIC- 90 MIL.	1200	LF						
6271010	4" WHITE SOLID LINES - THERMO.- 90 MIL.	600	LF						
6271020	12" WHITE SOLID LINES (CROSSWALKS) THERMO.- 125 MIL.	1030	LF						
6271025	24" WHITE SOLID LINES (STOP/DIAG LINES)-THERMO.-125 MIL	220	LF						
6271030	WHITE SINGLE ARROWS (LT, STRGHT, RT) THERMO.-125 MIL.	18	EA						
6271035	WHITE WORD MESSAGE "ONLY" -THERMOPLASTIC - 125 MIL.	18	EA						
6271074	4" YELLOW SOLID LINES (NO PASSING ZONE)- THERMO-90 MIL.	1400	LF						
6300005	PERMANENT CLEAR PAVEMENT MARKERS- MONO-DIR.- 4"X4"	60	EA						
6301005	PERMANENT YELLOW PAVEMENT MRKRS MONO-DIR.- 4"X 4" PERM. YEL.	60	EA						
6301100	PERMANENT YELLOW PAVEMENT MARKERS BI-DIR.- 4"X4"	40	EA						
6510105	FLAT SHEET, TYPE III, FIXED SZ. & MSG. SIGN	44.00	SF						
6531210	U-SECTION POST FOR SIGN SUPPORTS - 3P	100	LF						
7141142	19"X 30" HORIZONTAL ELLIPTICAL(HE) RC PIPE CUL.-CLASS HE-III	224	LF						
7141112	15" RC PIPE CUL.-CLASS III	616	LF						
7141113	18" RC PIPE CUL.-CLASS III	300	LF						

<h2 style="margin: 0;">BID SET</h2> <p style="margin: 0;">NOT FOR CONSTRUCTION</p>			<p style="margin: 0;">TOWN OF HILTON HEAD ISLAND SOUTH CAROLINA</p> <p style="margin: 0;">SUMMARY OF ESTIMATED QUANTITIES</p> <p style="margin: 0;">POPE AVENUE \ OFFICE PARK RD. ROADWAY AND DRAINAGE IMPROVEMENTS</p>
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

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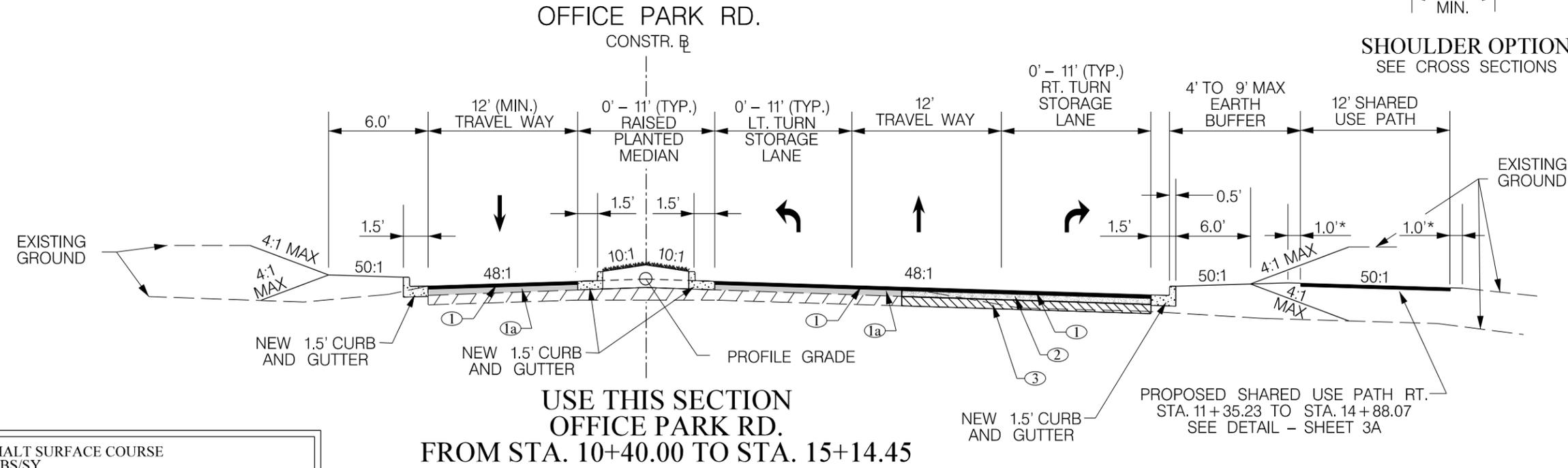
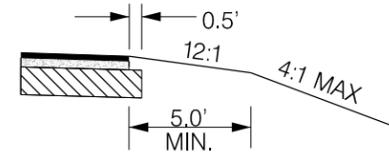
TYPICAL SECTIONS OF IMPROVEMENTS

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	BEAUFORT		POPE AVENUE / OFFICE PARK RD.	3



*PROVIDE 1.0' MINIMUM, 50:1 EARTH GRADING IN THE SLOPED DIRECTION OF SHARED USE PATH.

USE THIS SECTION POPE AVE. FROM STA. 201+00.00 TO STA. 210+15.00



USE THIS SECTION OFFICE PARK RD. FROM STA. 10+40.00 TO STA. 15+14.45

LEGEND

- ① ● HOT MIX ASPHALT SURFACE COURSE TYPE B - 200 LBS/SY
- ①a ○ HOT MIX ASPHALT SURFACE COURSE TYPE B - FOR BUILD UP (VARIES)
- ② ○ HOT MIX ASPHALT INTERMEDIATE COURSE TYPE A - 300 LBS/SY
- ③ ○ HOT MIX ASPHALT BASE COURSE - 450 LBS/SY - TYPE A
- ▨ CONCRETE CURB & GUTTER/RAISED MEDIAN
- ▩ REMOVE EXISTING PAVEMENT/RAISED MEDIAN
- ▧ RETAIN EXISTING PAVEMENT

**BID SET
NOT FOR CONSTRUCTION**

**INFRASTRUCTURE
CONSULTING & ENGINEERING**



TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

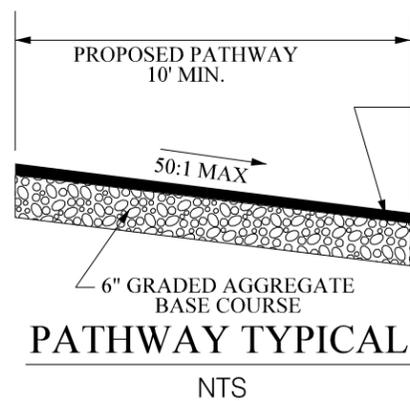
TYPICAL SECTIONS AND DETAILS

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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3			
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TYPICAL SECTIONS OF IMPROVEMENTS



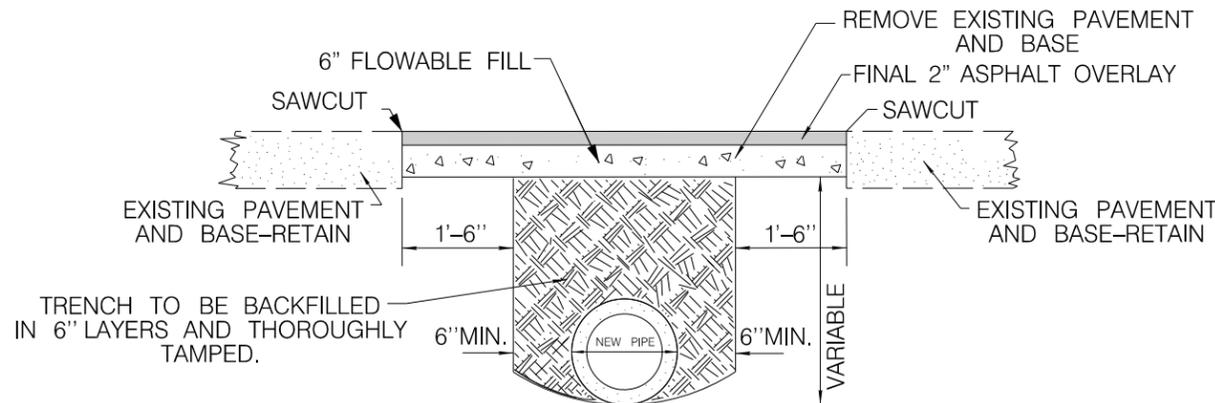
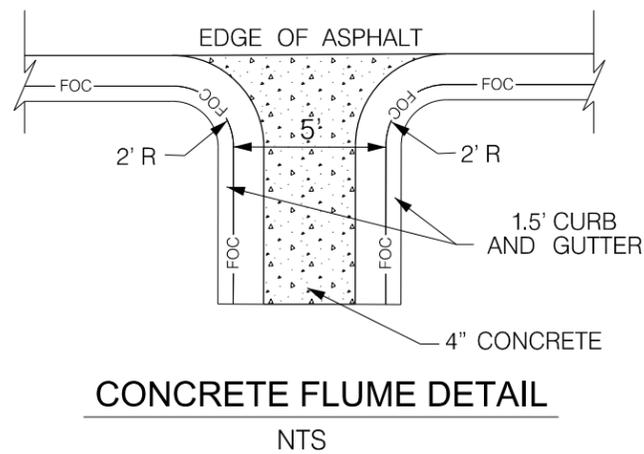
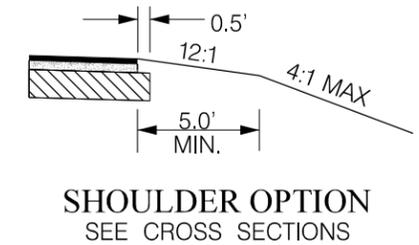
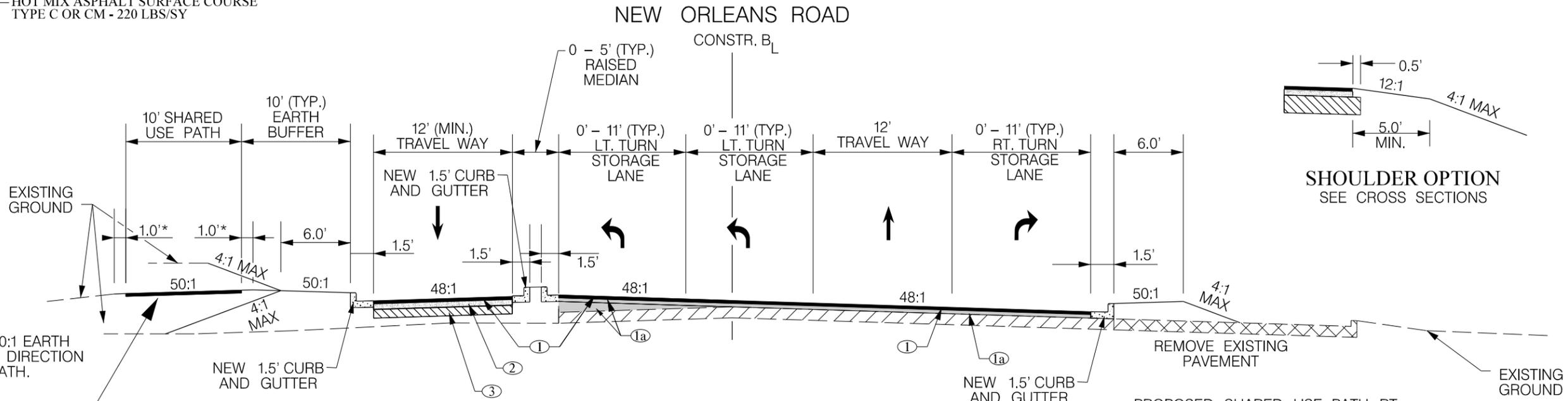
HOT MIX ASPHALT SURFACE COURSE
TYPE C OR CM - 220 LBS/SY

*PROVIDE 1.0' MINIMUM, 50:1 EARTH GRADING IN THE SLOPED DIRECTION OF SHARED USE PATH.

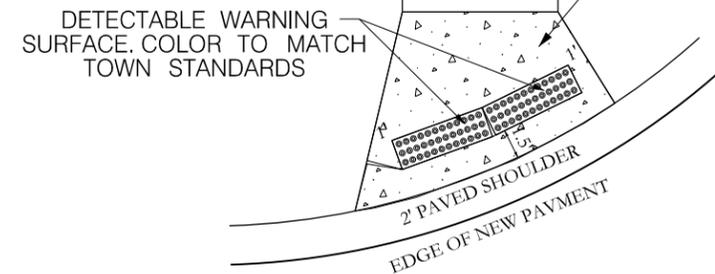
PROPOSED SHARED USE PATH LT.
STA. 102+53.98 TO STA. 102+69.48
STA. 102+99.09 TO STA. 103+42.65
STA. 104+54.62 TO STA. 105+31.67
SEE DETAIL - THIS SHEET

**USE THIS SECTION
NEW ORLEANS RD.
FROM STA. 101+00.00 TO STA. 105+33.55**

PROPOSED SHARED USE PATH RT.
STA. 104+93.75 TO STA. 105+27.04
SEE DETAIL - THIS SHEET



- NO TRAFFIC SHALL BE PLACED DIRECTLY ON THE CONCRETE FOR 24 HOURS. WHERE TRAFFIC CANNOT BE DETOURED FOR THIS PERIOD OF TIME, A STRUCTURAL PLATE MATERIAL MAY BE PLACED OVER THE CONCRETE TO CARRY THE TRAFFIC LOAD.
- THE BID ITEM SHALL BE:
RECONSTRUCT PAVEMENT FOR REPLACEMENT OF RCP



LEGEND

- ① ● HOT MIX ASPHALT SURFACE COURSE TYPE B - 200 LBS/SY
- ①a ● HOT MIX ASPHALT SURFACE COURSE TYPE B - FOR BUILD UP (VARIES)
- ② ● HOT MIX ASPHALT INTERMEDIATE COURSE TYPE A - 300 LBS/SY
- ③ ● HOT MIX ASPHALT BASE COURSE - 450 LBS/SY - TYPE A
- CONCRETE CURB & GUTTER/RAISED MEDIAN
- REMOVE EXISTING PAVEMENT/RAISED MEDIAN
- RETAIN EXISTING PAVEMENT

PAVEMENT REPAIR DETAIL - POPE AVE.
NTS

**BID SET
NOT FOR CONSTRUCTION**

**INFRASTRUCTURE
CONSULTING & ENGINEERING**



TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

TYPICAL SECTIONS AND DETAILS

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
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1			

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RIGHT-OF-WAY DATA SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD /ROUTE NO.	SHEET NO.
3	SC	BEAUFORT		POPE AVENUE OFFICE PARK RD.	4

DEED BOOK AND PAGE	PLAT BOOK AND PAGE	TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN ^A			REMAINDER LEFT	REMAINDER RIGHT	DATE	TYPE OF INSTRUMENT	OUTFALL DITCH	SLOPE	DRAINAGE STRUCTURE	EROSION CONTROL	ENTRANCE CONSTRUCTION	REMARKS
						OUTFALL DITCH ACRES	LEFT	RIGHT	TOTAL	ACRES ^B	ACRES ^B		ACQUIRED	PERMISSION (YES)	PERMISSION (YES)	PERMISSION (YES)	PERMISSION (YES)	
1196-2233		1	BAKER & BAKER REAL ESTATE DEVELOPERS	R552 015 000 0026 0000	1.08									YES				
2328-1150		2	KPP HILTON HEAD LLC	R552 015 000 0010 0000	2.02			0.0111	0.0111					YES			YES	2 DRIVES AND REMOVE 1 DRIVE
3418-172		3	TIME WARNER CABLE SOUTHEAST LLC	R552 015 000 0075 0000	0.92			0.308	0.308									
3418-172		3A	TIME WARNER CABLE SOUTHEAST LLC	R552 015 000 0361 0000	0.11			0.0741	0.0741									
2088-42		4	HERITAGE GOLF SHIPYARD	R550 015 000 001A 0000	238.29													
1436-1277		5	TOWN OF HILTON HEAD ISLAND SC (THE)	R552 015 00C 0050 0000	3.37		0.028		0.028	3.342				YES				
1436-1277		6	TOWN OF HILTON HEAD ISLAND SC (THE)	R552 015 00C 0050 0000	3.37		0.051		0.051	3.319				YES				PERMISSION TO CONSTRUCT SHARED USE PATH
3101-2072		7	STONO TITLE LLC	R552 015 00C 0115 0000	0.84													
3236-2642		8	ADVENTURE COMMUNICATIONS INC	R552 015 00C 0114 0000	0.89													
		9	FOUNTAIN ASSOCIATES SUITE	R552 015 00C 0112 0000	1.95									YES				
586-924		10	ANCHOR BANK (THE)	R552 015 00C 0054 0000	0.79													
586-924		11	ANCHOR BANK (THE)	R552 015 00C 0053 0000	0.72		0.042		0.042	0.678				YES			YES	PERMISSION TO CONSTRUCT SHARED USE PATH
586-924		12	ANCHOR BANK (THE)	R552 015 00C 0055 0000	0.79													
2657-398		13	TOWN OF HILTON HEAD ISLAND	R552 015 000 0413 0000	0.62			0.0093	0.0093	0.6107								
2328-1150		2A	EASEMENT KPP HILTON HEAD LLC	R552 015 000 0010 0000	0.13		0.0367		0.0367	0.0933								

NOTES:

^A TOTAL OBTAIN INCLUDES HIGHLAND, MARSH AND OUTFALL DITCHES. OBTAINS WILL BE SHOWN IN SQUARE FEET AND ACRES. ACRES WILL BE SHOWN IN PARENTHESES UNDER SQUARE FEET. IN RURAL AREAS OBTAINS MAY BE SHOWN IN ACRES ONLY. OUTFALL DITCHES WILL BE SHOWN IN ACRES ONLY.

^B SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRE.

BID SET
NOT FOR CONSTRUCTION

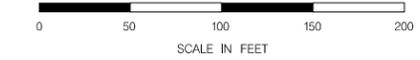
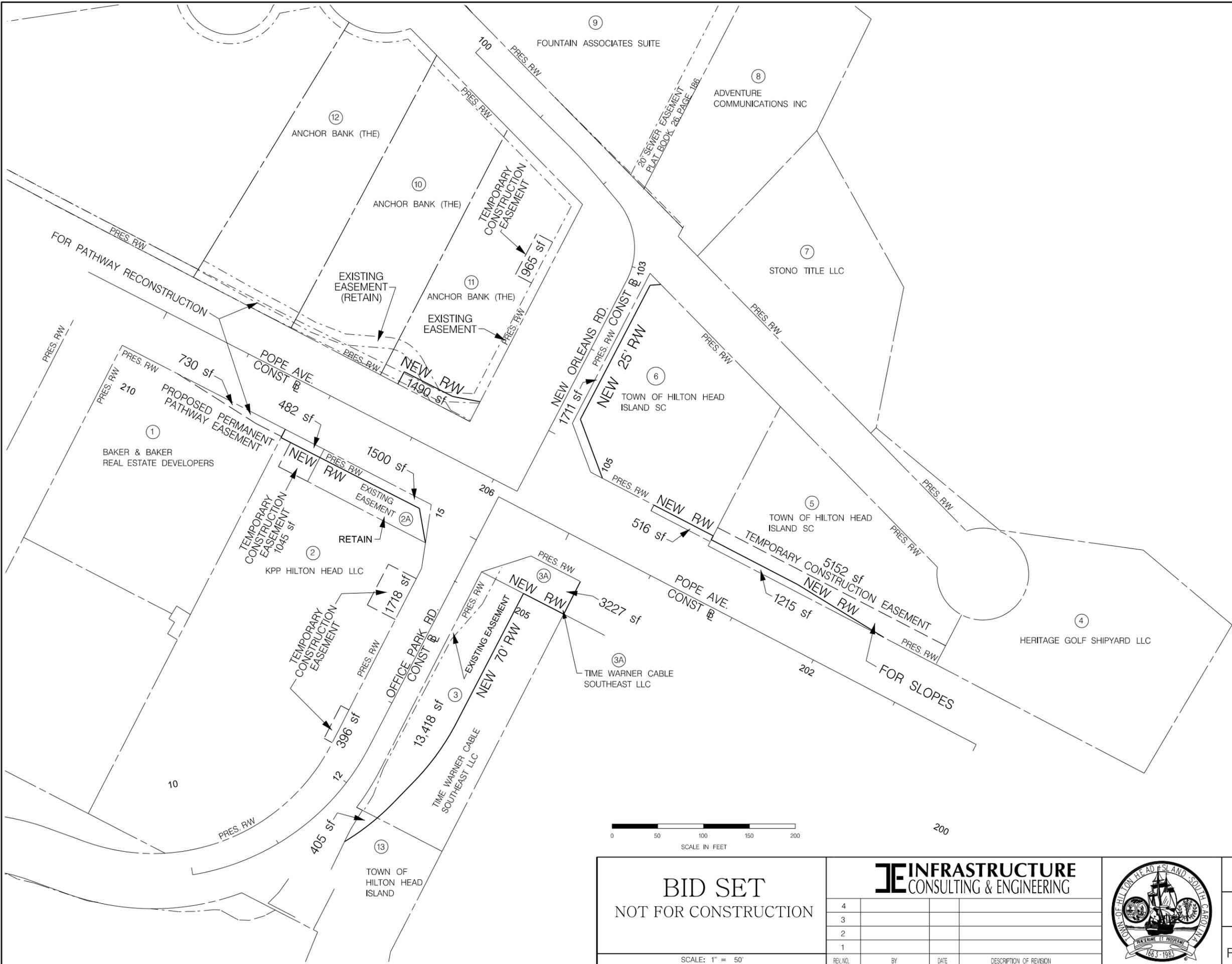
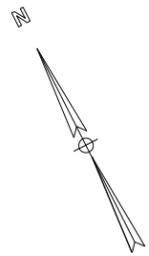


4			
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION



TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA
RIGHT-OF-WAY DATA SHEET
POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

Z:\Projects\14-37\10\Office Park-Pope\NO\Plans\SHT_04_RW_DATA.dgn
8/10/2016



BID SET
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

JE INFRASTRUCTURE CONSULTING & ENGINEERING		4			
		3			
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1					
REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

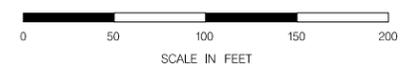
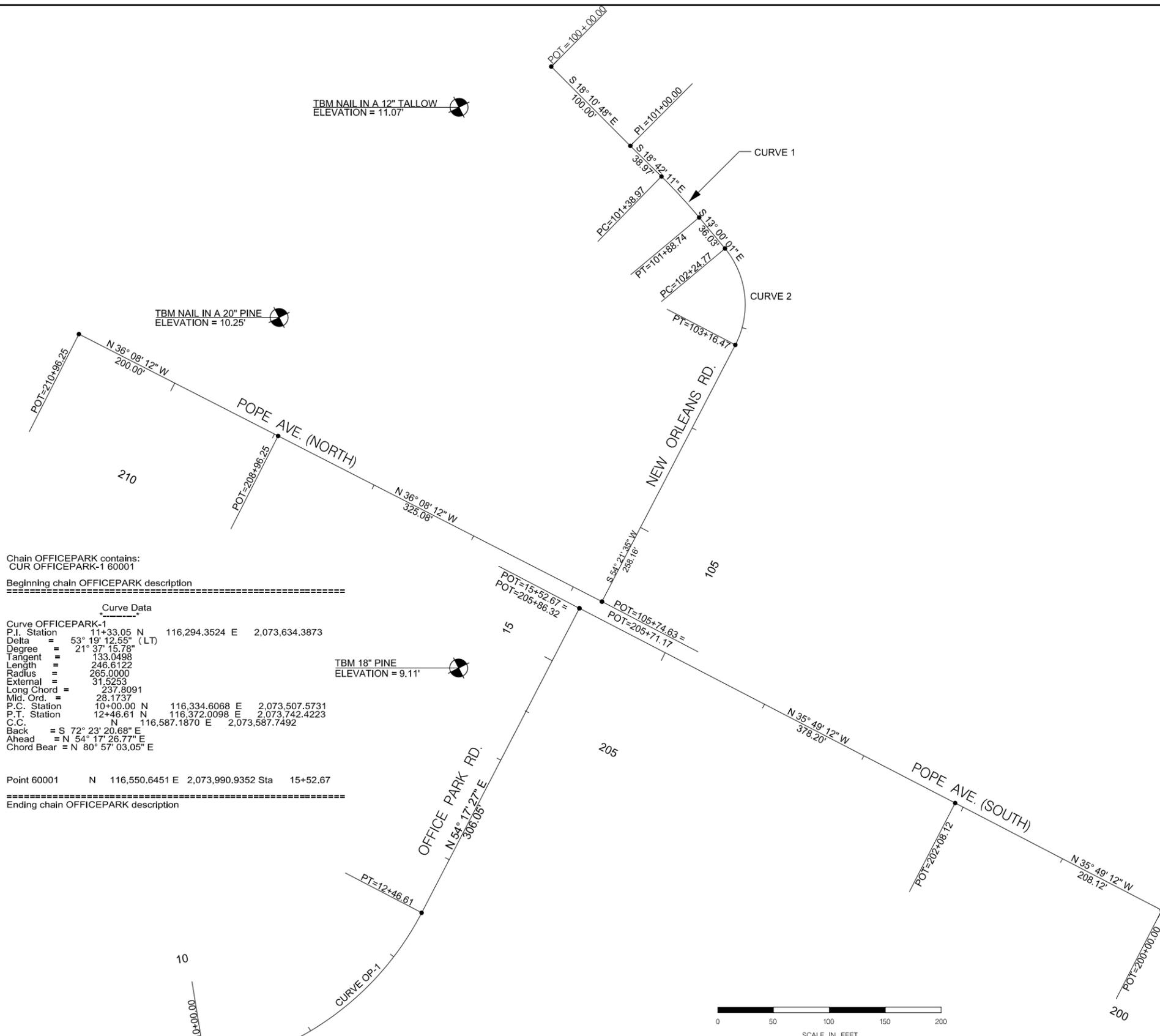
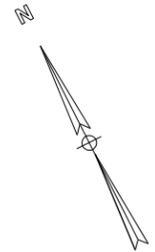


TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

PROPERTY STRIP MAP

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

Z:\Projects\14-37\10\Office Park-Pope\NO\Plans\SHEET 4A STRIP MAP.dgn
8/10/2016



BID SET
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

INFRASTRUCTURE CONSULTING & ENGINEERING	
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REV. NO.	BY DATE DESCRIPTION OF REVISION



TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

GEOMETRIC DATA SHEET

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

Z:\Projects\14-37\10\Office Park-Pope\NO\Plans\SHEET 5 geo.dgn 8/10/2016

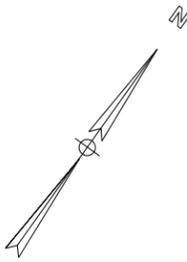
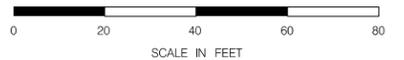
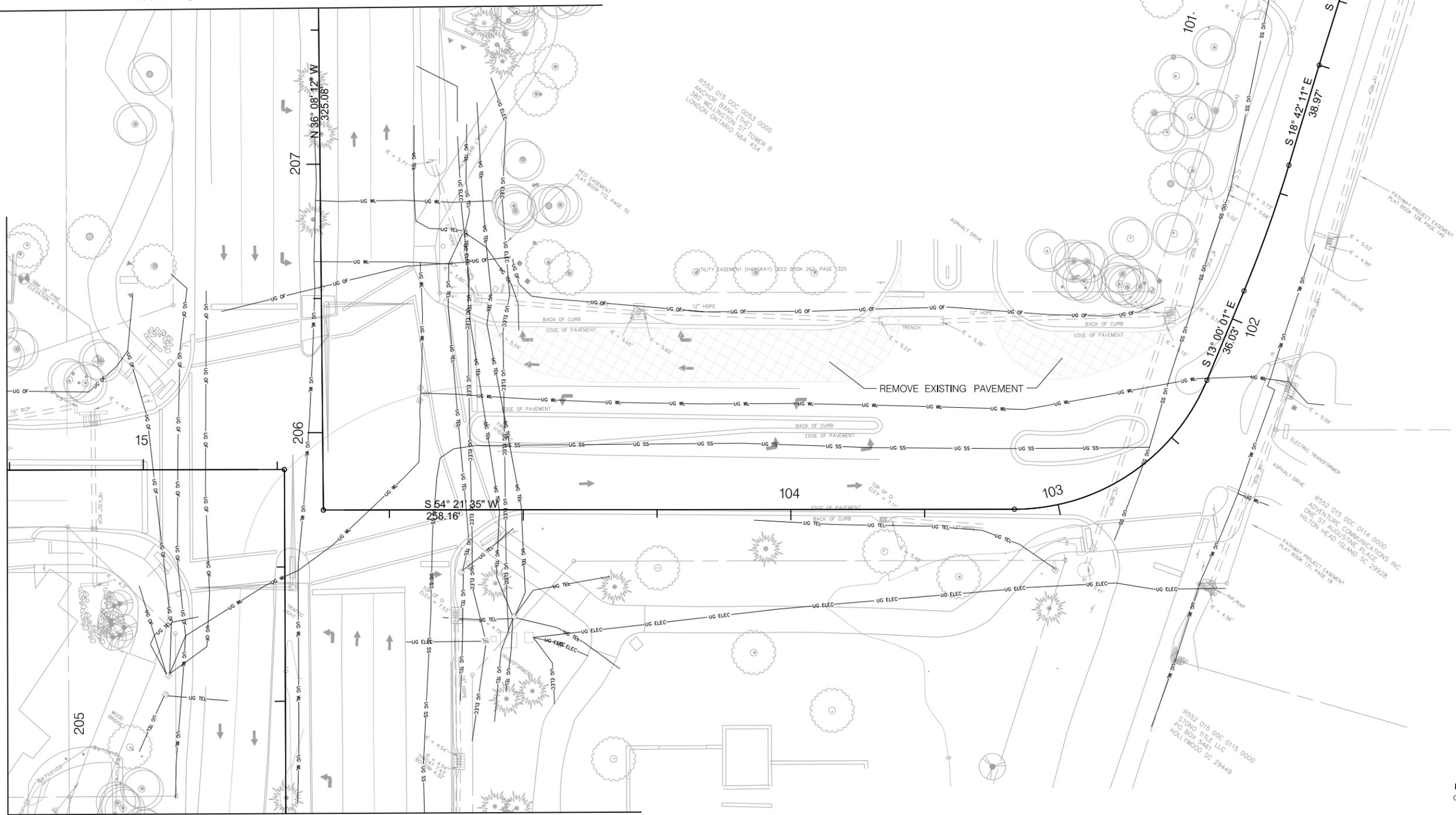
TBM 24" TUPELO
ELEVATION = 10.00'

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	BEAUFORT		POPE AVENUE / OFFICE PARK RD.	7E

MATCHLINE - SEE SHEET 9E

MATCHLINE - SEE SHEET 6E

MATCHLINE - SEE SHEET 8E



BID SET
NOT FOR CONSTRUCTION



TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

PLAN SHEET
EXISTING CONDITIONS AND DEMOLITION

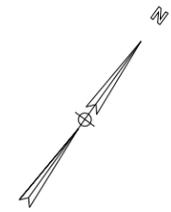
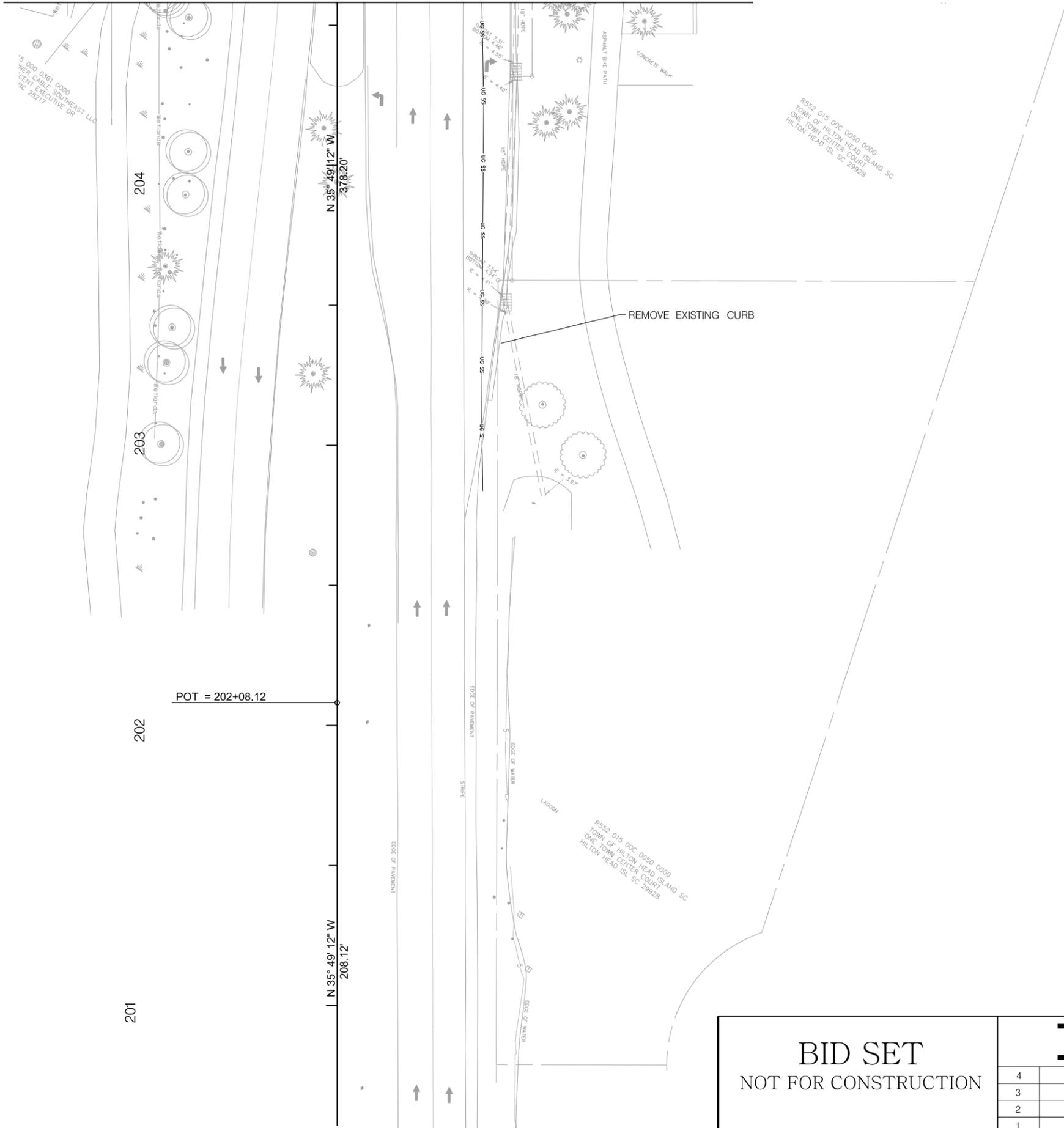
POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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SCALE: 1" = 20'

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8/10/2016

FED. RD. DIST. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	BEAUFORT		POPE AVENUE / OFFICE PARK RD.	8E



BID SET
NOT FOR CONSTRUCTION

SCALE: 1" = 20'

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REV. NO.	DESCRIPTION OF REVISION
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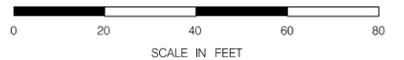
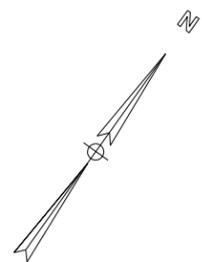
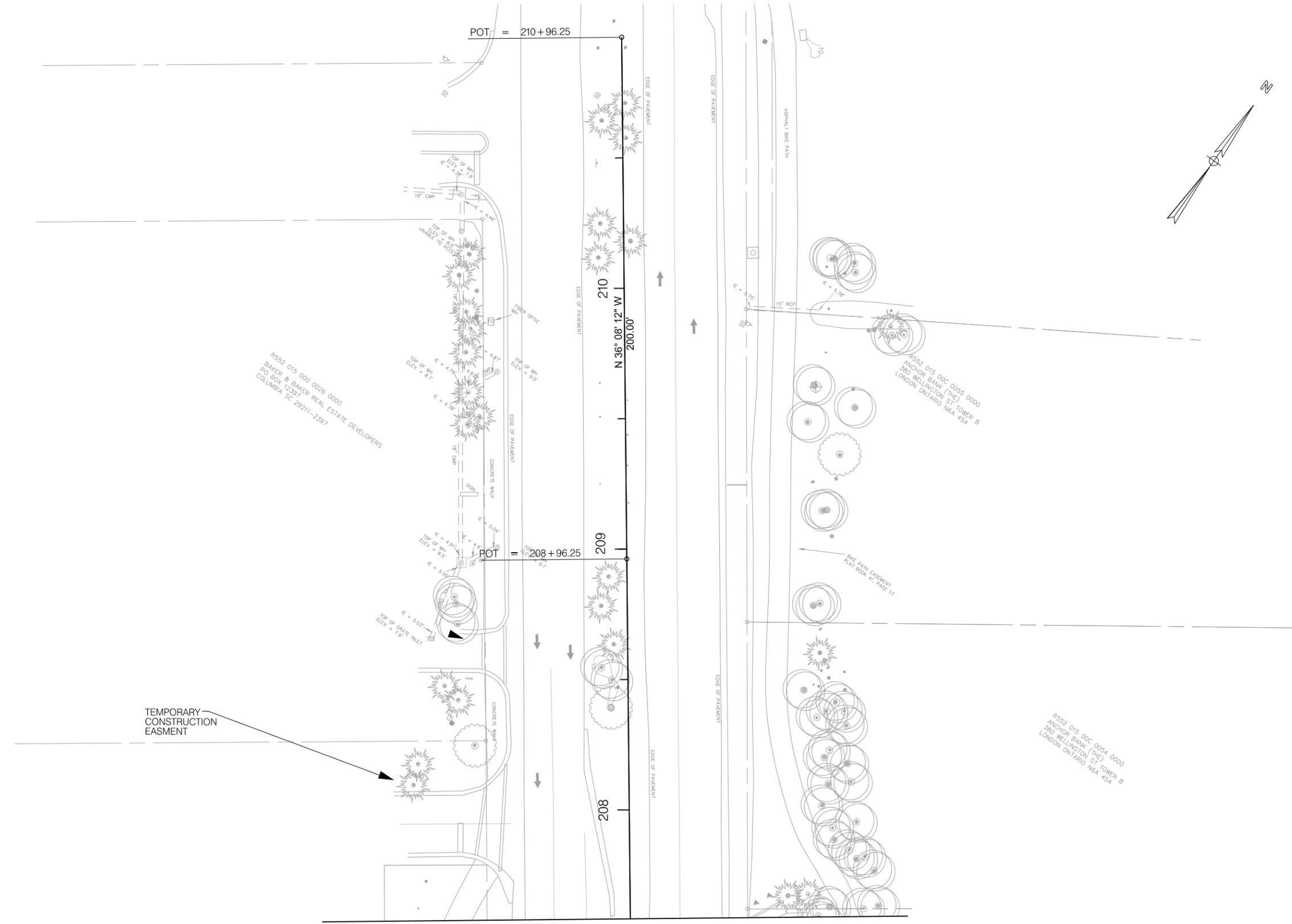
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

PLAN SHEET
EXISTING CONDITIONS AND DEMOLITION

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

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8/10/2016

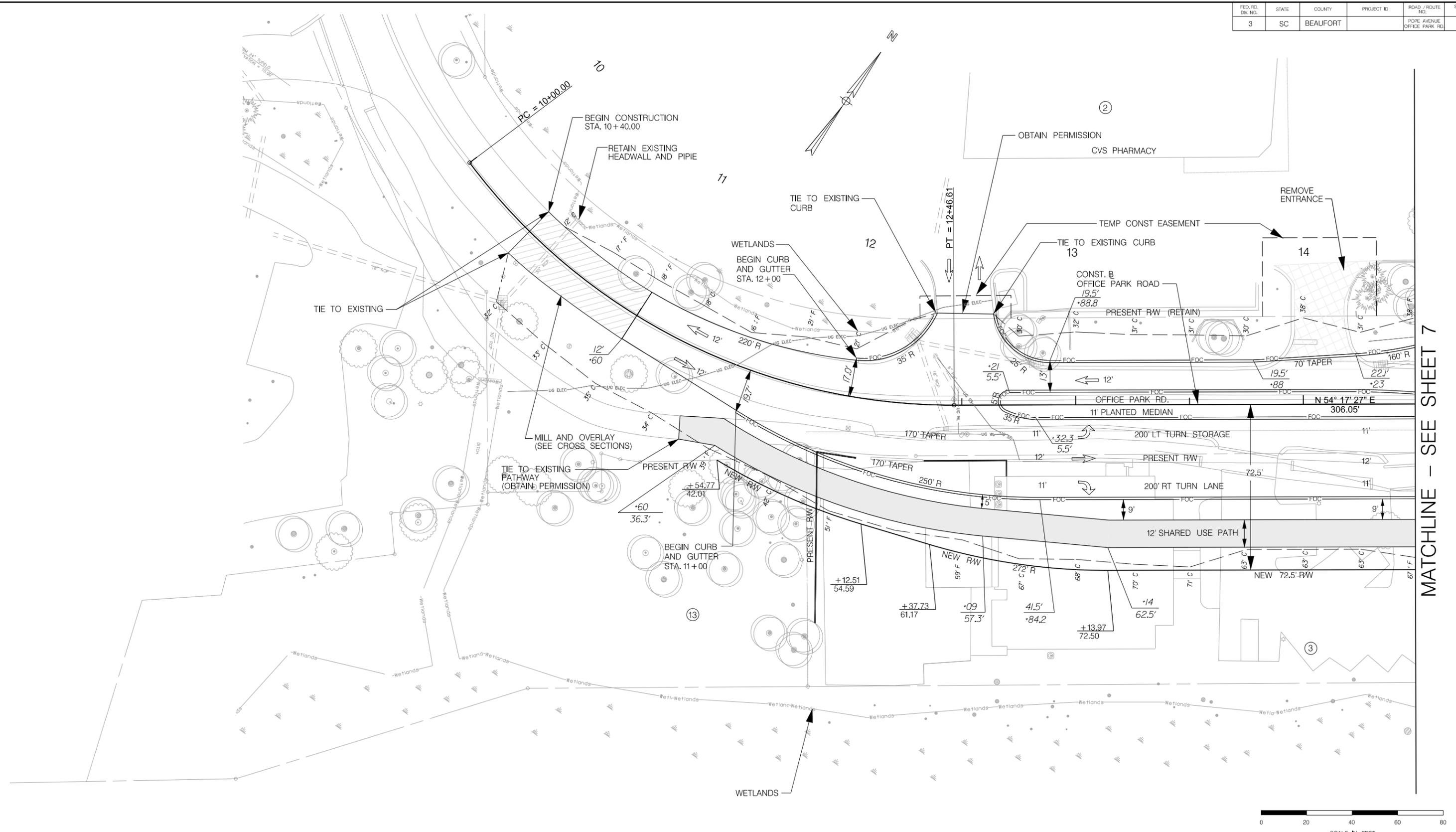
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	BEAUFORT		POPE AVENUE OFFICE PARK RD.	9E



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8/10/2016

MATCHLINE - SEE SHEET 7E

<p>BID SET NOT FOR CONSTRUCTION</p>	<p>JE INFRASTRUCTURE CONSULTING & ENGINEERING</p>		<p>TOWN OF HILTON HEAD ISLAND SOUTH CAROLINA</p>																				
<p>SCALE: 1" = 20'</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV. NO.</th> <th>BY</th> <th>DATE</th> <th>DESCRIPTION OF REVISION</th> </tr> </thead> <tbody> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	4				3				2				1				<p>PLAN SHEET EXISTING CONDITIONS AND DEMOLITION</p>	<p>POPE AVE./OFFICE PARK RD. ROADWAY AND DRAINAGE IMPROVEMENTS</p>
REV. NO.	BY	DATE	DESCRIPTION OF REVISION																				
4																							
3																							
2																							
1																							



MATCHLINE - SEE SHEET 7

NOTES:

- SEE SHEET 5 FOR ALIGNMENT INFORMATION
- ALL STATION AND OFFSETS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

BID SET
NOT FOR CONSTRUCTION

SCALE: 1" = 20'

INFRASTRUCTURE
CONSULTING & ENGINEERING

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

PLAN SHEET

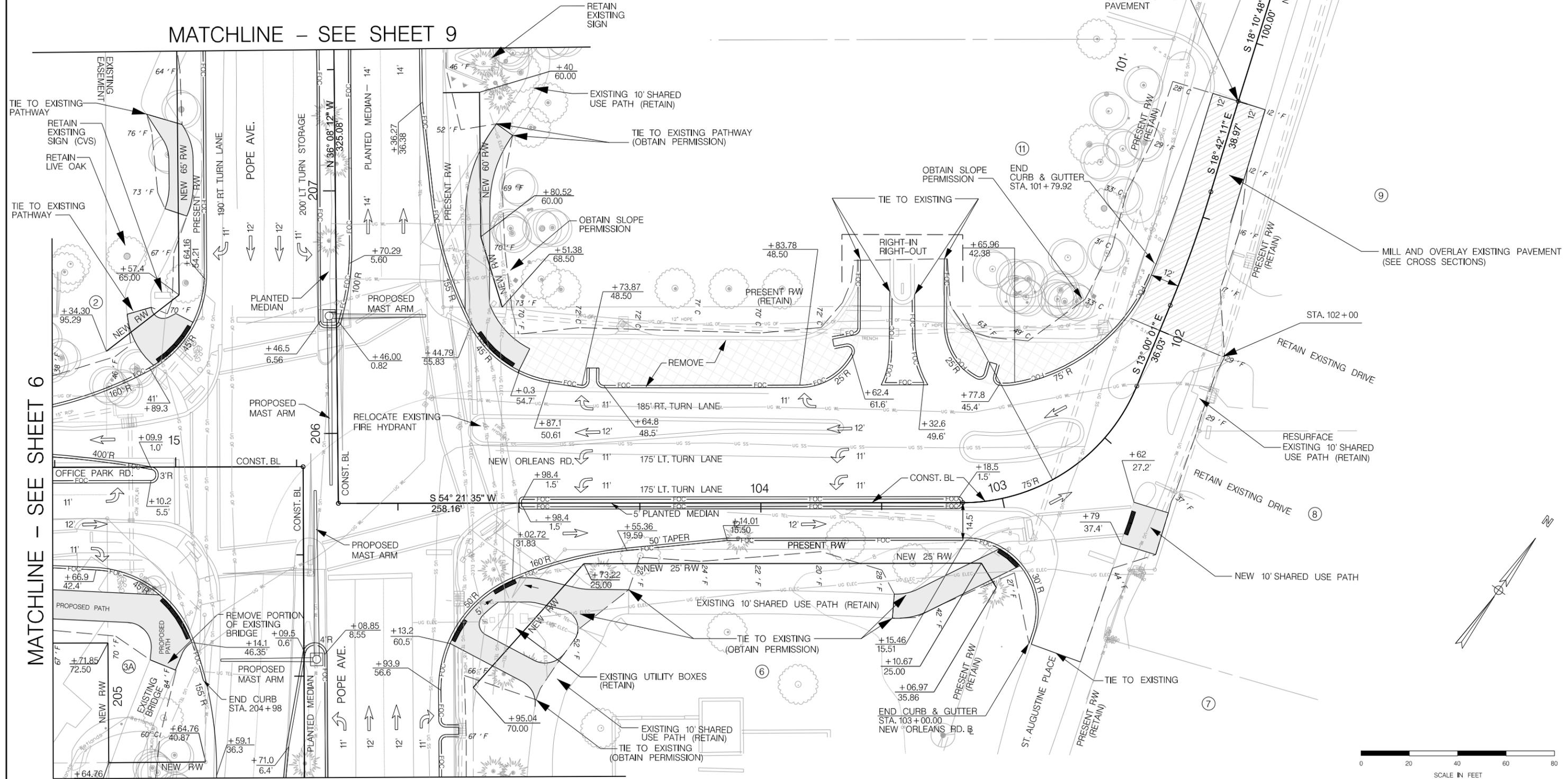
POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

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8/10/2016

MATCHLINE - SEE SHEET 9

MATCHLINE - SEE SHEET 6

MATCHLINE - SEE SHEET 8



NOTES:

- 1) SEE SHEET 5 FOR ALIGNMENT INFORMATION
- 2) ALL STATION AND OFFSETS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

BID SET
NOT FOR CONSTRUCTION

JE INFRASTRUCTURE
CONSULTING & ENGINEERING



TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

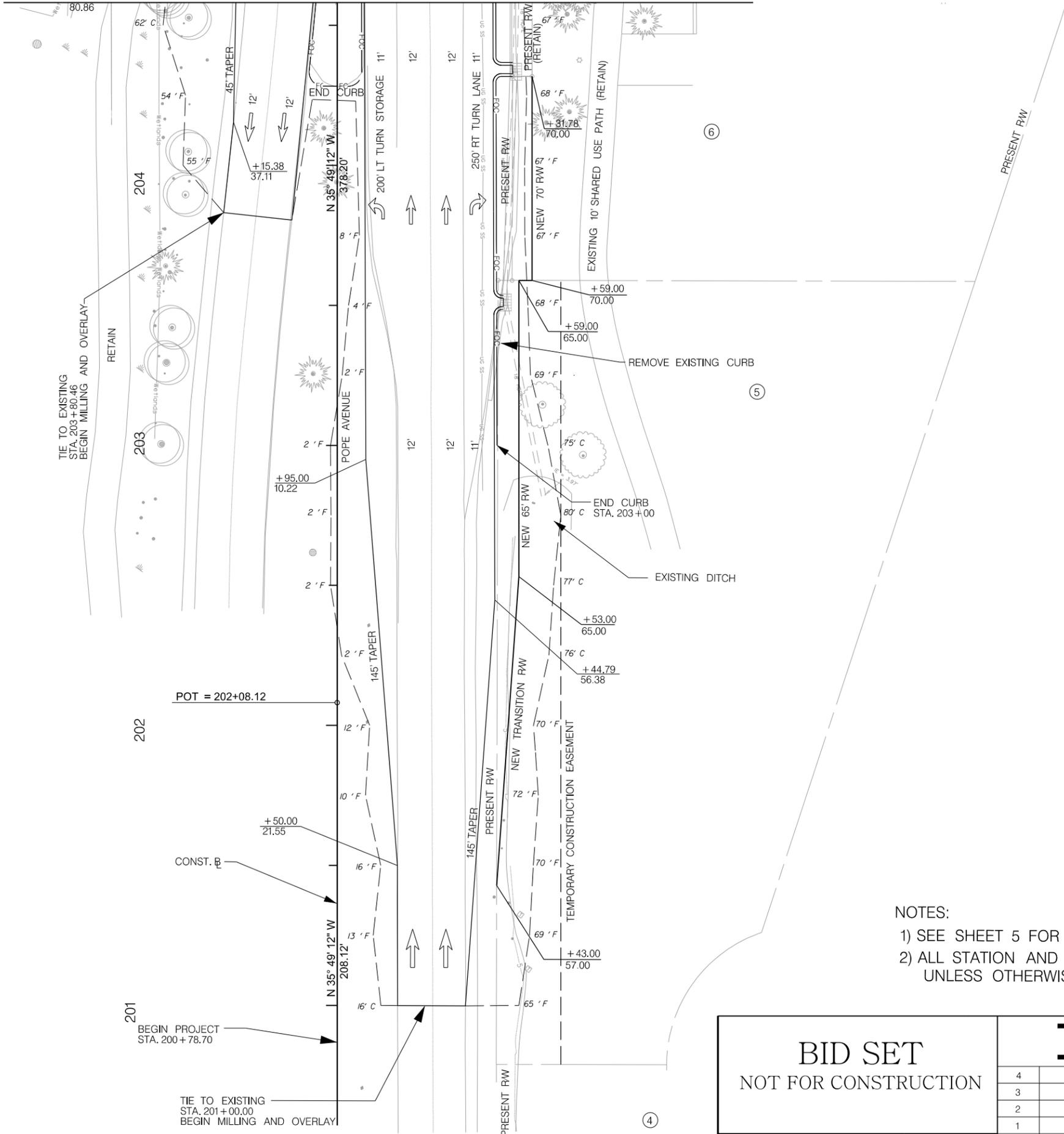
PLAN SHEET

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

SCALE: 1" = 20'

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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8/10/2016

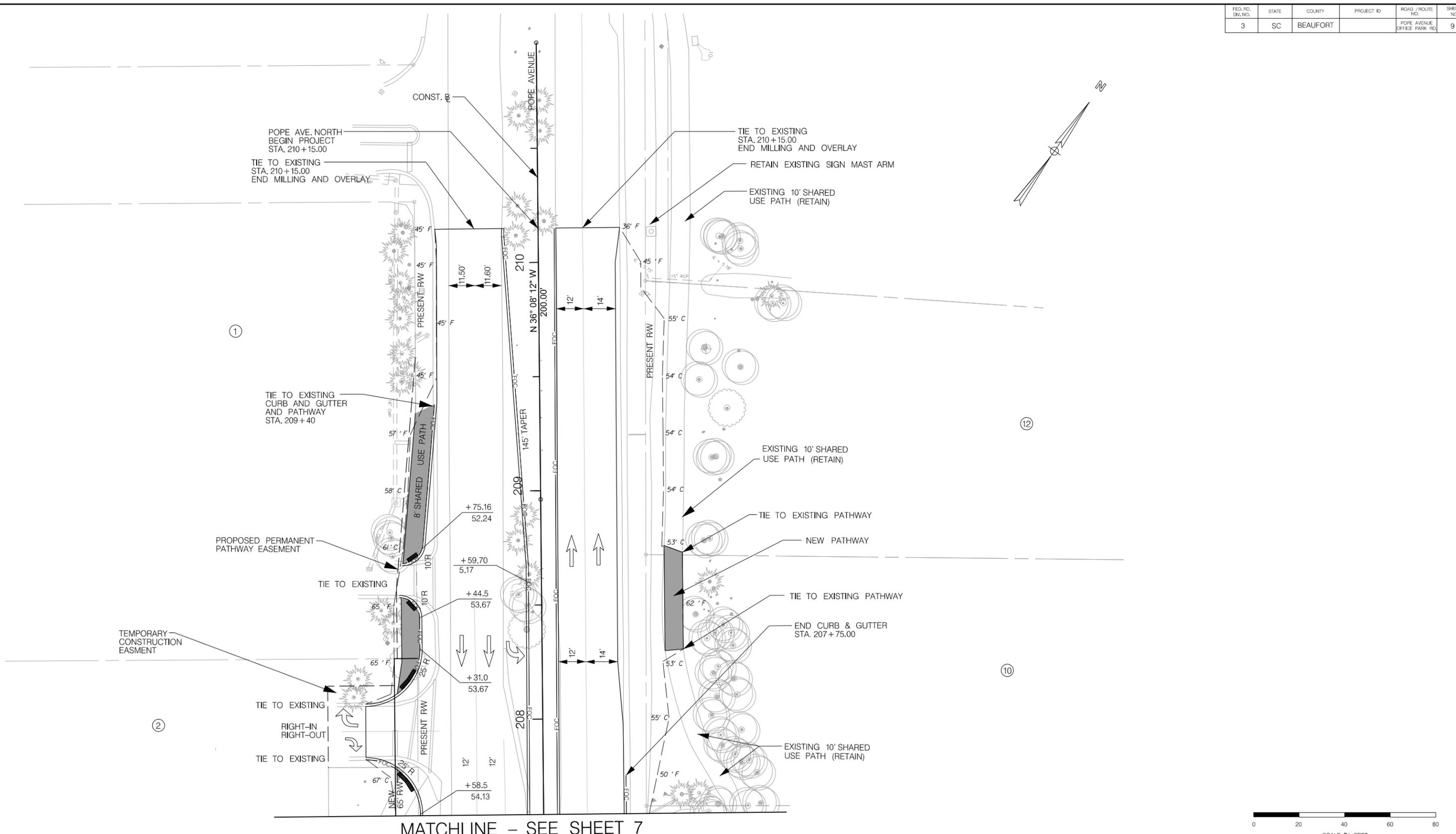


NOTES:
 1) SEE SHEET 5 FOR ALIGNMENT INFORMATION
 2) ALL STATION AND OFFSETS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.



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 8/10/2016

<p>BID SET NOT FOR CONSTRUCTION</p>		<p>INFRASTRUCTURE CONSULTING & ENGINEERING</p>			<p>TOWN OF HILTON HEAD ISLAND SOUTH CAROLINA</p>																				
<p>SCALE: 1" = 20'</p>		<table border="1"> <tr> <th>REV. NO.</th> <th>BY</th> <th>DATE</th> <th>DESCRIPTION OF REVISION</th> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> </table>			REV. NO.	BY	DATE	DESCRIPTION OF REVISION	4				3				2				1				<p>PLAN SHEET</p>
REV. NO.	BY	DATE	DESCRIPTION OF REVISION																						
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				<p>POPE AVE./OFFICE PARK RD. ROADWAY AND DRAINAGE IMPROVEMENTS</p>																					



NOTES:

- 1) SEE SHEET 5 FOR ALIGNMENT INFORMATION
- 2) ALL STATION AND OFFSETS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

BID SET
NOT FOR CONSTRUCTION

SCALE: 1" = 20'

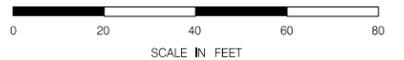
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REV. NO.	DESCRIPTION OF REVISION



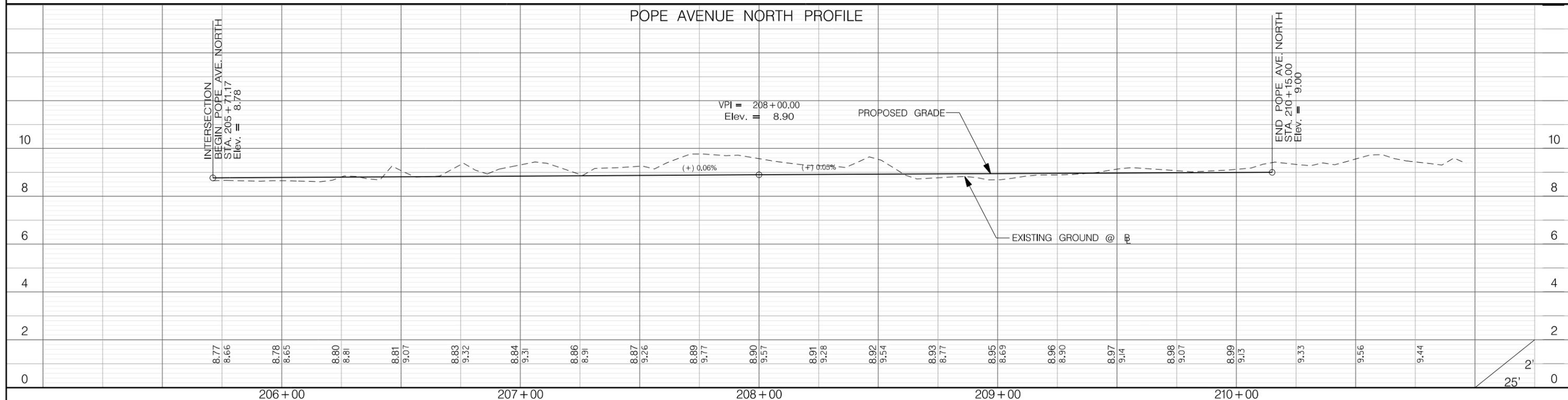
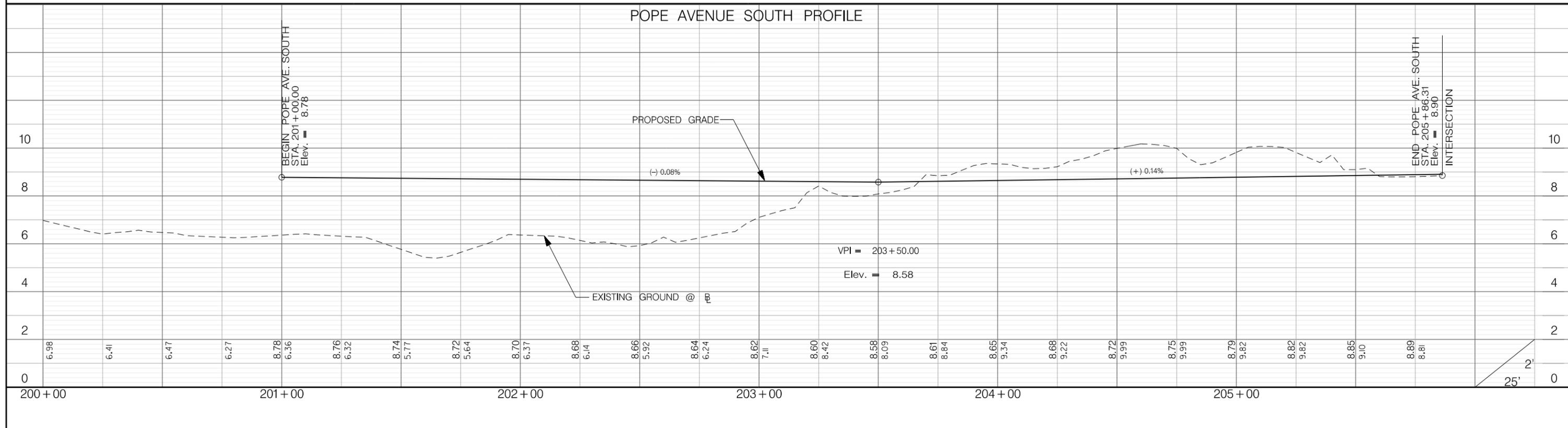
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

PLAN SHEET

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS



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BID SET
NOT FOR CONSTRUCTION

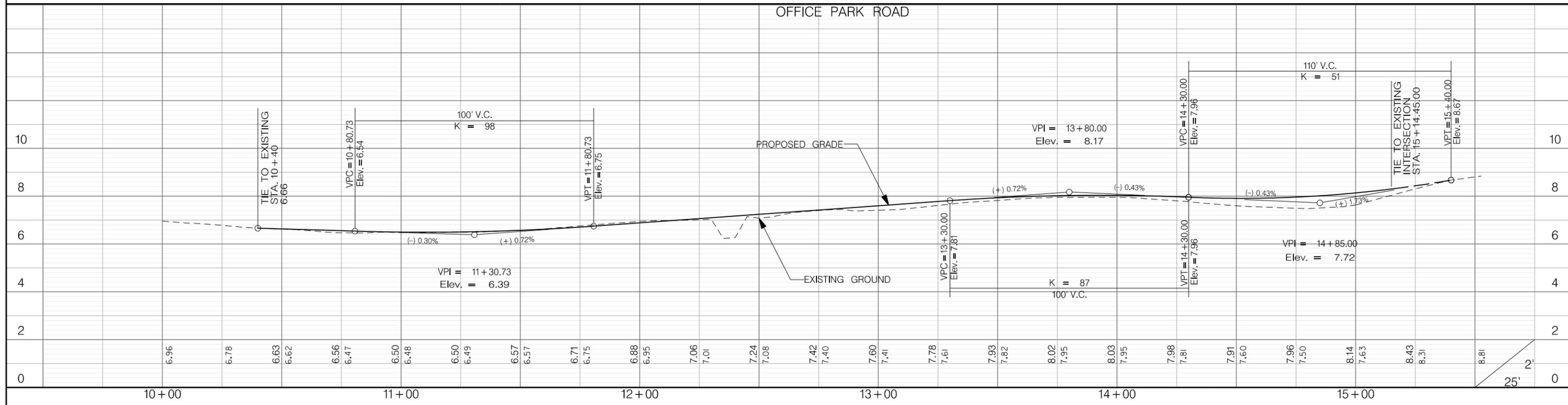
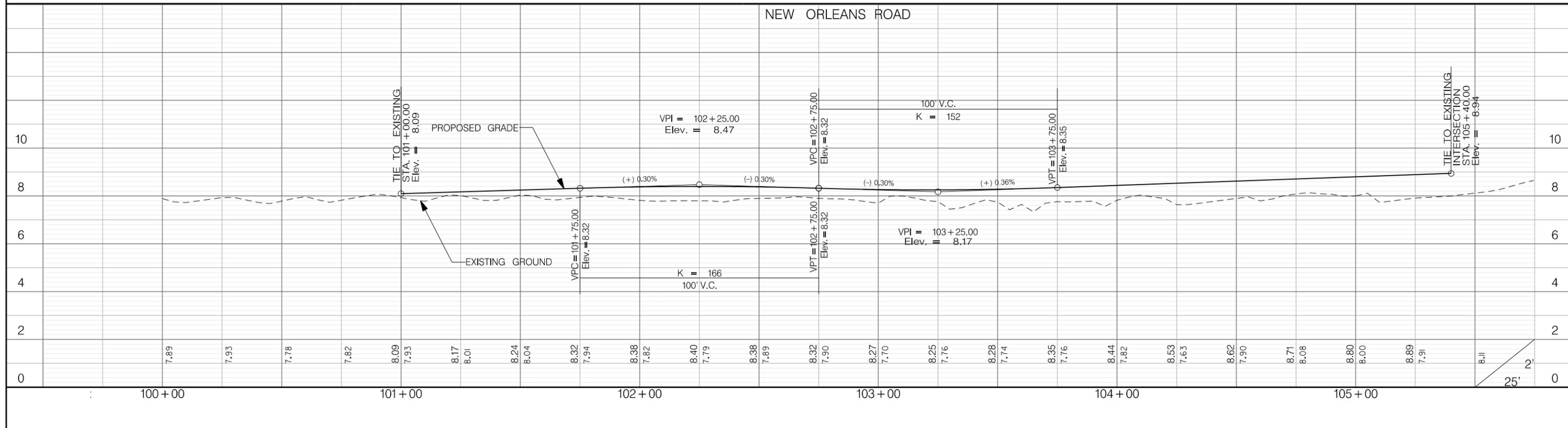


TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

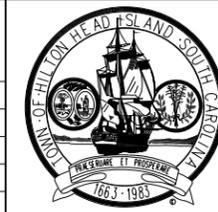
PROFILE SHEET 2

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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BID SET
NOT FOR CONSTRUCTION



TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

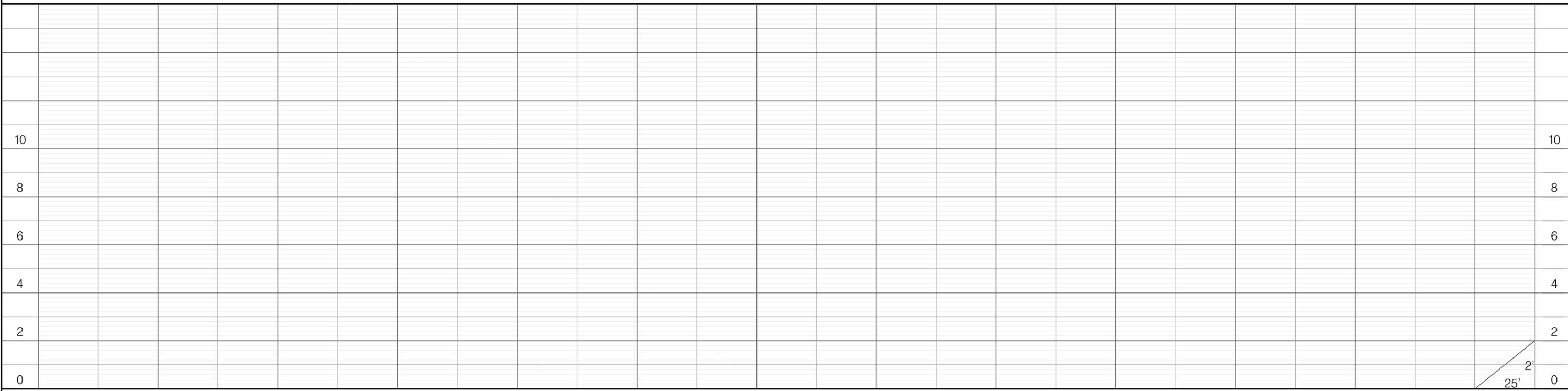
PROFILE SHEET 1

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

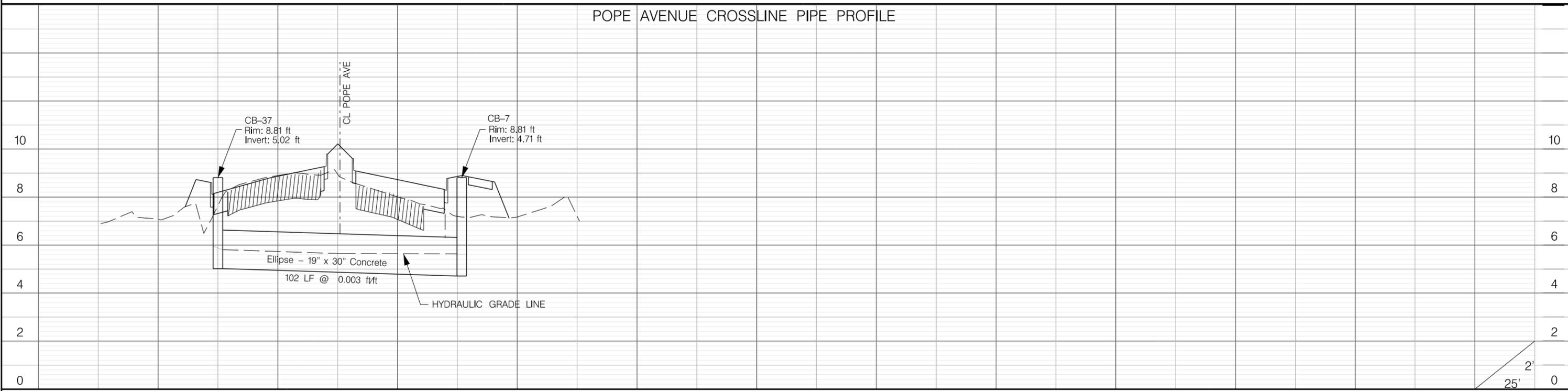
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8/10/2016

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	BEAUFORT		POPE AVE.	12



POPE AVENUE CROSSLINE PIPE PROFILE



-0+50 -0+25 0+00 0+25 0+50 0+75 1+00 1+25 1+50

BID SET
NOT FOR CONSTRU

IE INFRASTRUCTURE
CONSULTING & ENGINEERING



TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

PROFILE SHEET 3

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

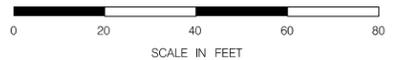
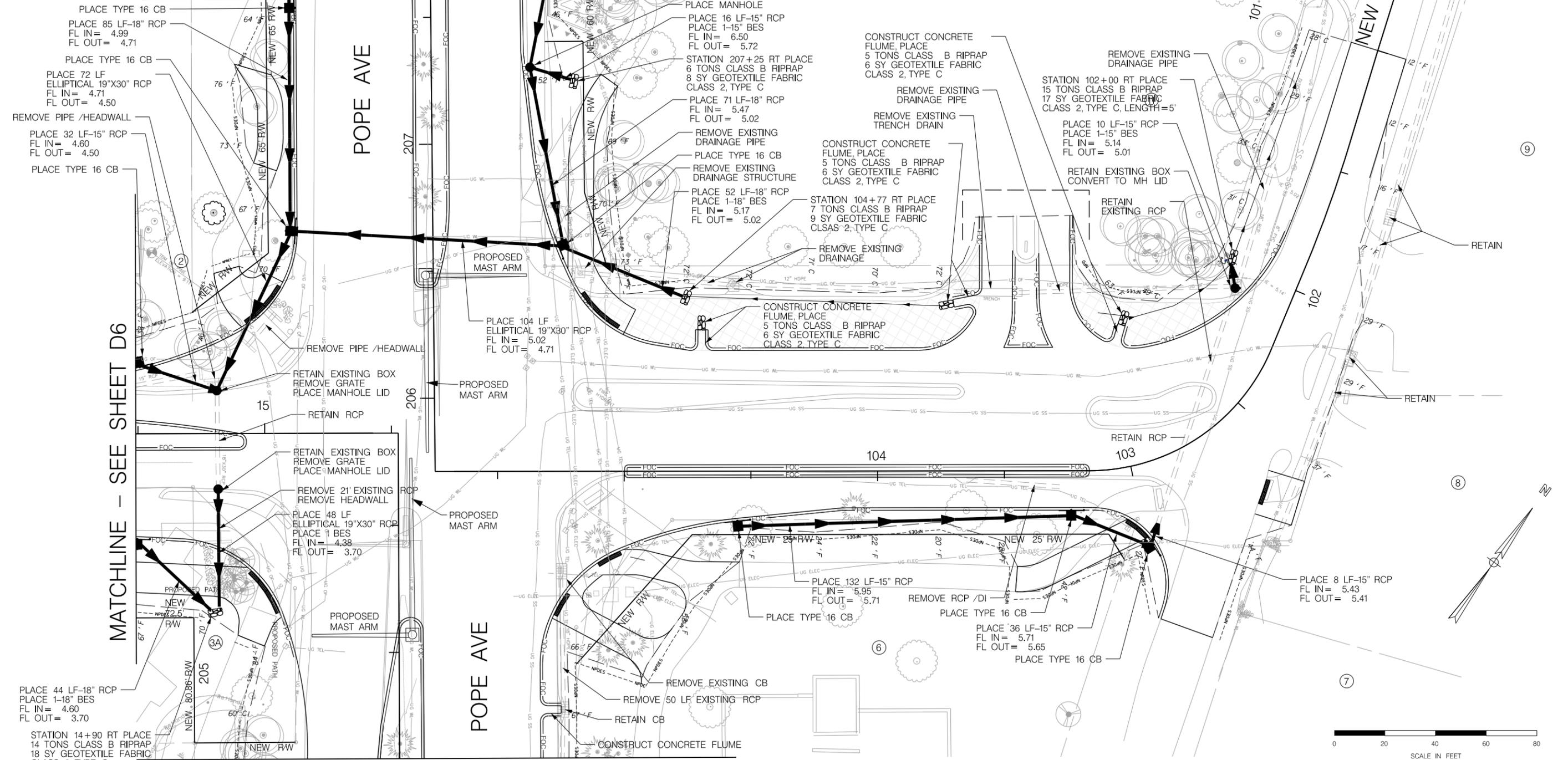
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8/10/2016

MATCHLINE - SEE SHEET D9

MATCHLINE - SEE SHEET D6

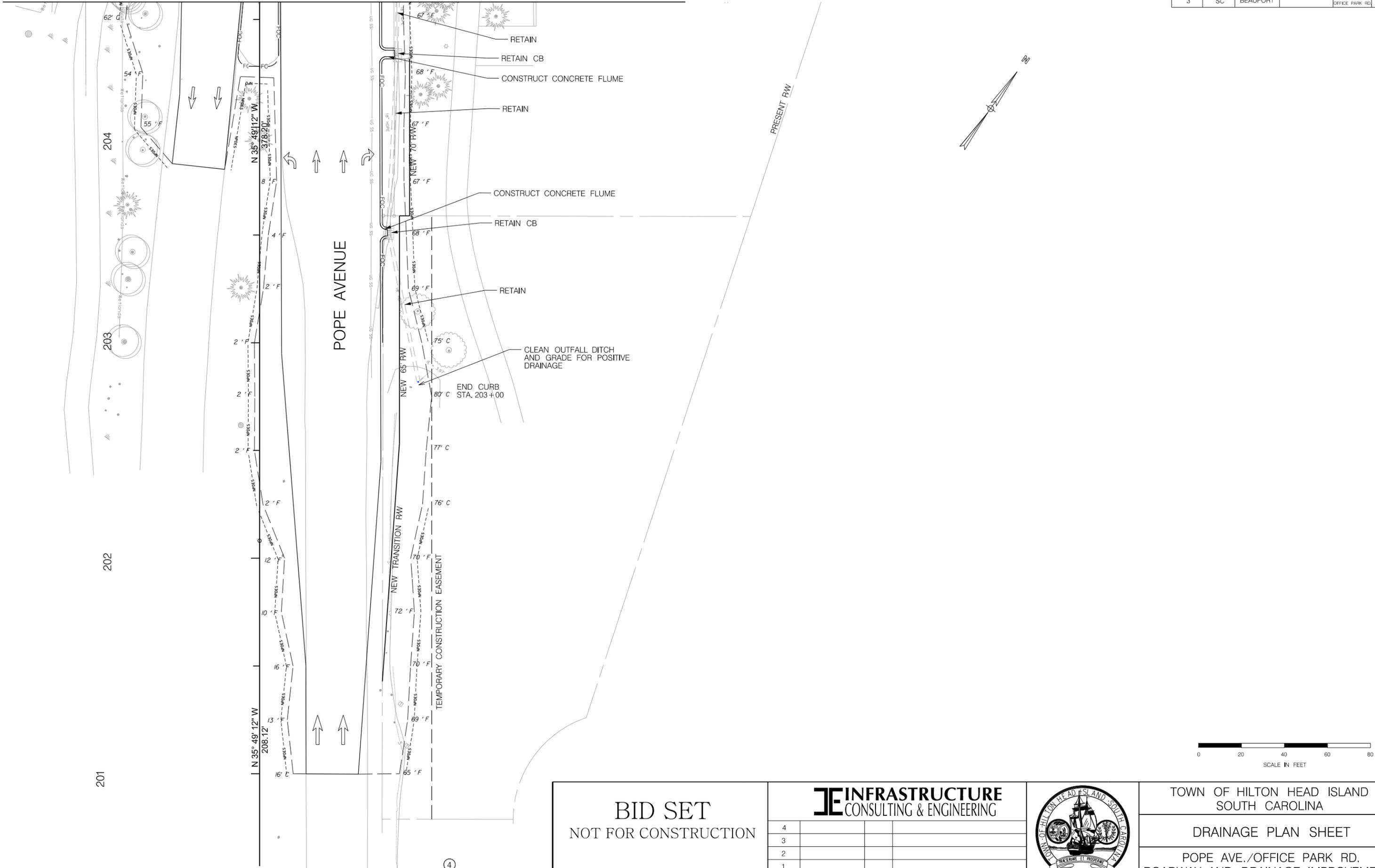
MATCHLINE - SEE SHEET D8



<p>BID SET NOT FOR CONSTRUCTION</p>	<p>JE INFRASTRUCTURE CONSULTING & ENGINEERING</p>		<p>TOWN OF HILTON HEAD ISLAND SOUTH CAROLINA</p> <p>DRAINAGE PLAN SHEET</p> <p>POPE AVE./OFFICE PARK RD. ROADWAY AND DRAINAGE IMPROVEMENTS</p>																								
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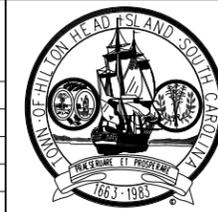
MATCHLINE SEE - SHEET D7

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	BEAUFORT		POPE AVENUE OFFICE PARK RD.	D8



BID SET
NOT FOR CONSTRUCTION

JE INFRASTRUCTURE
CONSULTING & ENGINEERING



TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

DRAINAGE PLAN SHEET

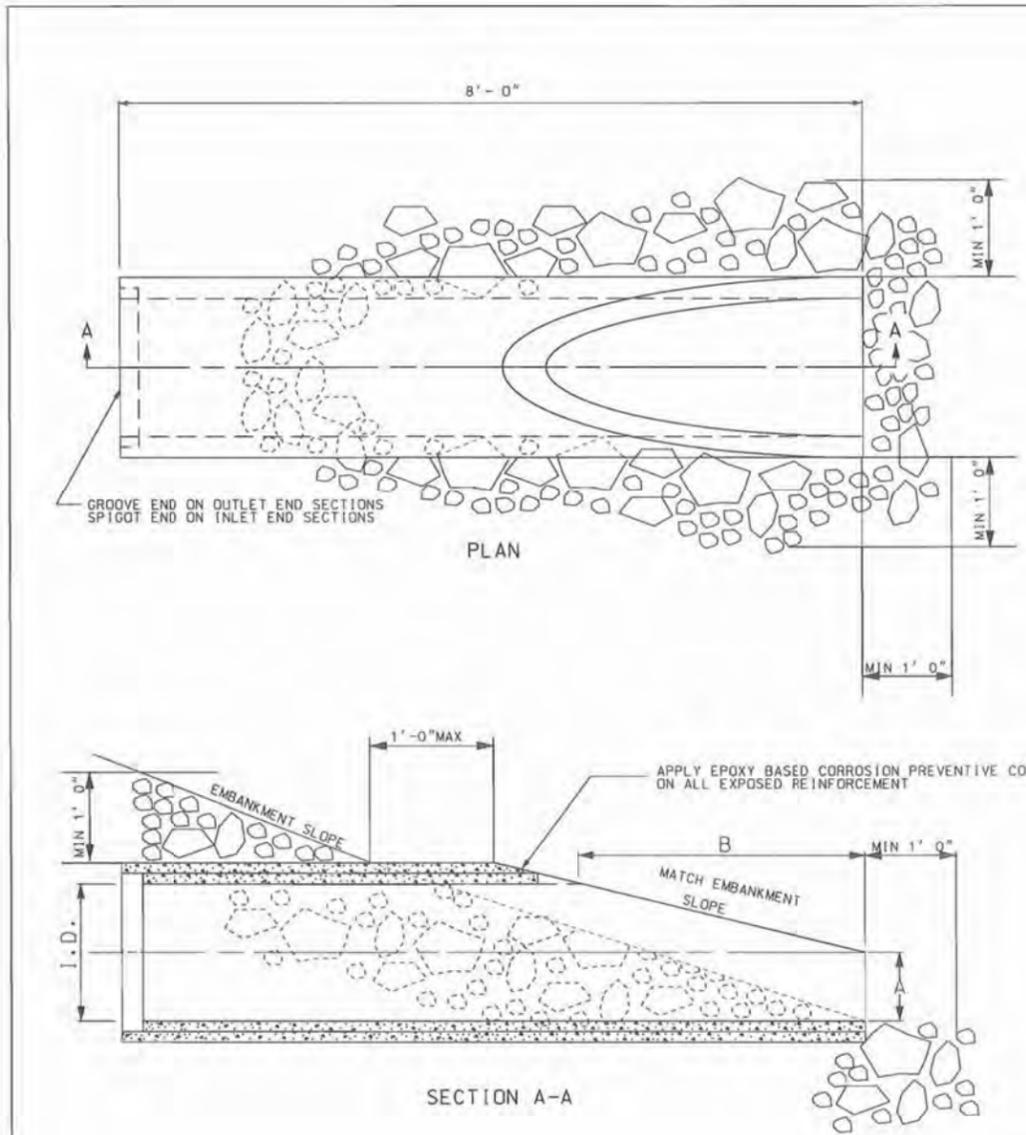
POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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SCALE: 1" = 20'

0 20 40 60 80
SCALE IN FEET

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8/10/2016



- NOTES:
- BEVELED END SECTIONS WILL BE MANUFACTURED IN ACCORDANCE WITH SCDOT SUPPLEMENTAL TECHNICAL SPECIFICATIONS SC-M-714. THESE SPECIAL PIPE SECTIONS WILL BE MADE DURING THE MANUFACTURING OF OTHER STATE APPROVED REINFORCED CONCRETE PIPE.
 - THE PIPE BEVEL MAY BE SAWED IN THE FIELD IN LIEU OF BEING MANUFACTURED. IN FIELD SAWING, THE PIPE OPENING MAY COME TO A POINT AT THE PIPE CREST RATHER THAN A RADIUS IF APPROVED BY THE PIPE MANUFACTURER. ALTERNATE PIPE FOR SIDELINES MUST HAVE EACH END BEVELED TO MATCH THE ADJACENT SLOPES.
 - PLACE RIPRAP AS DIRECTED BY THE RCE.
 - PAYMENT FOR BEVELED END SECTIONS WILL BE AS DIRECTED IN SC-M-714.
 - THE PAY ITEM SHALL BE:

7199100 BEVELING OF PIPE ENDS	EA.
8041XXX RIPRAP (CLASS 1)	TON
8048XXX GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP (CLASS 2) TYPE	S.Y.

CHART 719-610B
RIPRAP PLACEMENT

CLASS	D ₅₀ (FT)	MINIMUM THICKNESS (FT)
B	0.75	1.50
C	1.30	2.60

TABLE 719-610A
EMBANKMENT SLOPE

I.D. (IN)	A (IN)	B (BEVELED LENGTH) (IN)				
		6:1	5:1	4:1	3:1	2:1
15	6	54	45	36	27	18
18	9	54	45	36	27	18
24	10	NA	70	56	42	28
30	12	NA	NA	72	54	36
36	15	NA	NA	NA	63	42
42	20	NA	NA	NA	66	44
48	24	NA	NA	NA	72	48
54	24	NA	NA	NA	NA	60
60	24	NA	NA	NA	NA	72

REFERENCES

NATIONAL DOCUMENTS

SCDOT DOCUMENTS

SCDOT SUPPLEMENTAL TECHNICAL SPECIFICATION SC-M-714

PRECONSTRUCTION SUPPORT ENGINEER

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 21242
JAMES W. KENDALL, JR.

James W. Kendall, Jr.
SIGNATURE

AUGUST 23, 2012
DATE

#	DATE	CHK	DESCRIPTION
5			
4			
3	8/2012	KNB	PAY ITEMS, RIPRAP, NOTES, SECTION A-A, EPOXY
2	1/2010	DSO	GENERAL REVISIONS
1	6/2009	SDW	CHART 719-610D
0	3/2008	DSO	GENERAL REVISIONS

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

END TREATMENT (RCP BEVELED END)

719-610-00
EFFECTIVE LETTING DATE | JAN. 2013

THIS DRAWING IS NOT TO SCALE

FOR INFORMATION ONLY	JE INFRASTRUCTURE CONSULTING & ENGINEERING					TOWN OF HILTON HEAD ISLAND SOUTH CAROLINA	
	4					DRAINAGE DETAILS	
	3					POPE AVE./OFFICE PARK RD. ROADWAY AND DRAINAGE IMPROVEMENTS	
	2						
	1						
	REV. NO.	BY	DATE	DESCRIPTION OF REVISION			

Z:\Projects\14-37\10\Office Park-Pope-NO\Plans\SHT_D2.dgn
8/10/2016

REFERENCES

NATIONAL DOCUMENTS

SCDOT DOCUMENTS

RELATED DRAWINGS & KEYWORDS

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
NO. 21242
JAMES W. KENDALL, JR.

James W. Kendall, Jr.
SIGNATURE

2-9-2015
DATE

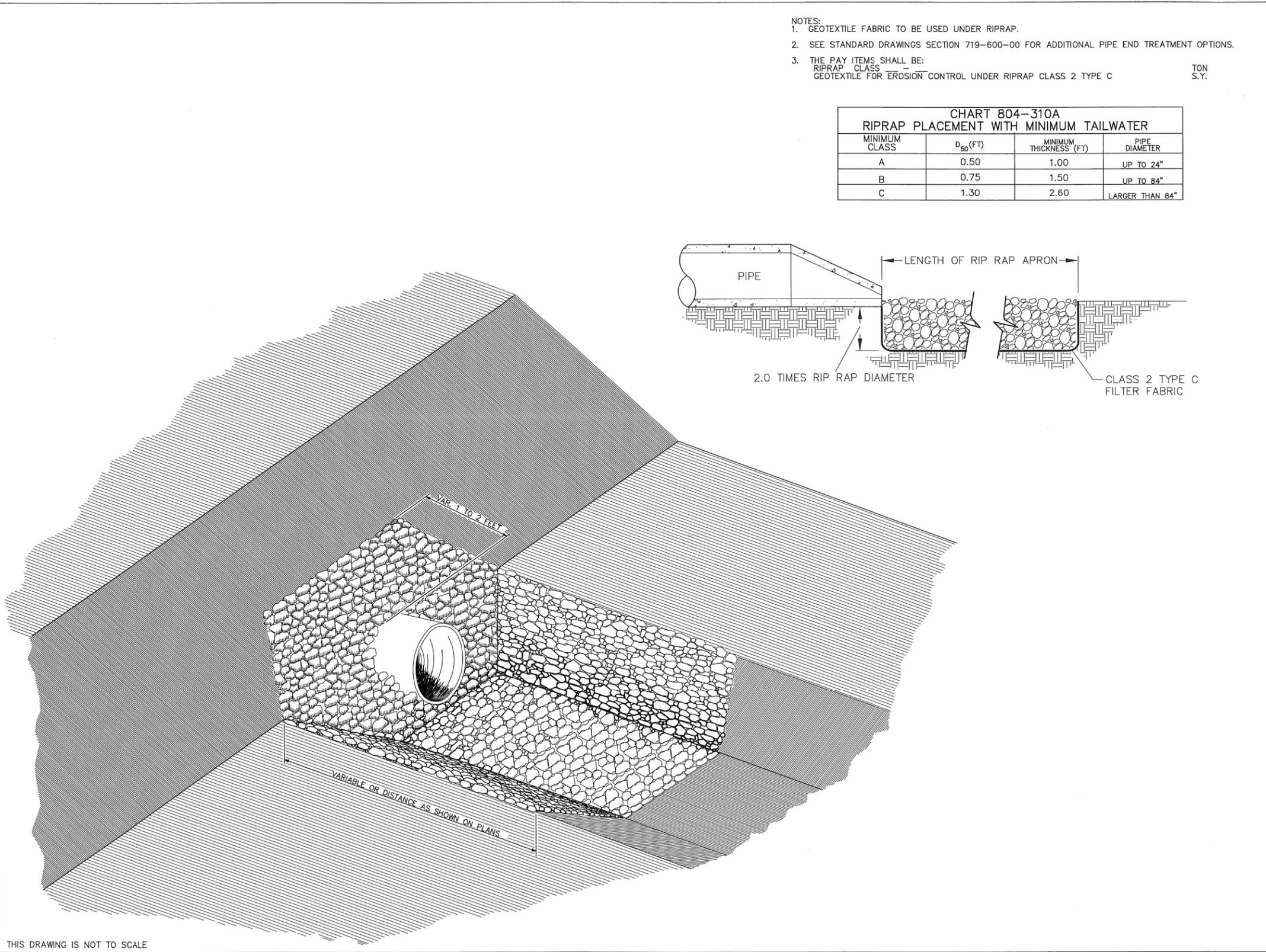
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SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

OUTLET PROTECTION WITH DEFINED CHANNEL

804-310-00
EFFECTIVE LETTING DATE: MAY 2015



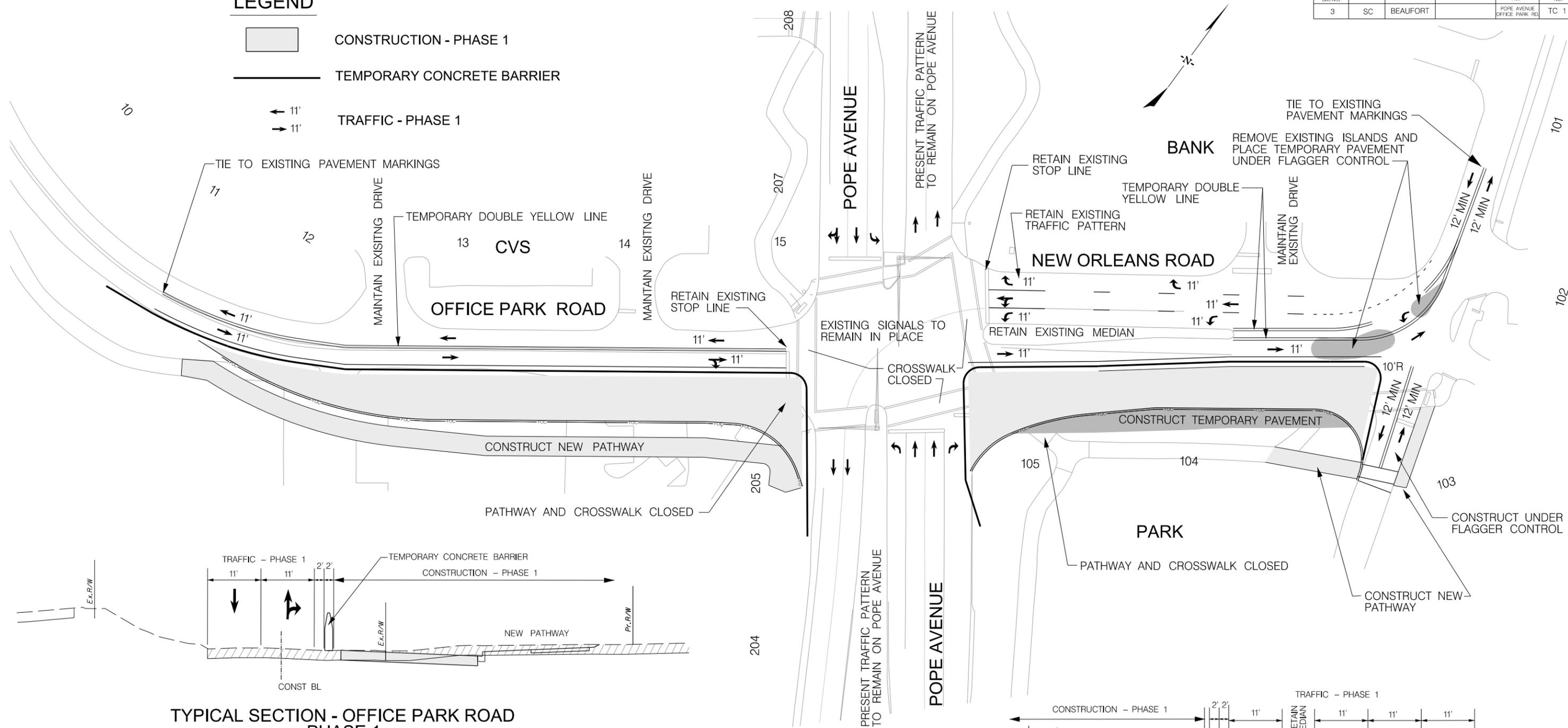
OUTLET PROTECTION

FOR INFORMATION ONLY	<p>JE INFRASTRUCTURE CONSULTING & ENGINEERING</p>		<p>TOWN OF HILTON HEAD ISLAND SOUTH CAROLINA</p> <p>DRAINAGE DETAILS</p> <p>POPE AVE./OFFICE PARK RD. ROADWAY AND DRAINAGE IMPROVEMENTS</p>																				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>REV. NO.</th> <th>BY</th> <th>DATE</th> <th>DESCRIPTION OF REVISION</th> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> </table>	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	4				3				2				1					
REV. NO.	BY	DATE	DESCRIPTION OF REVISION																				
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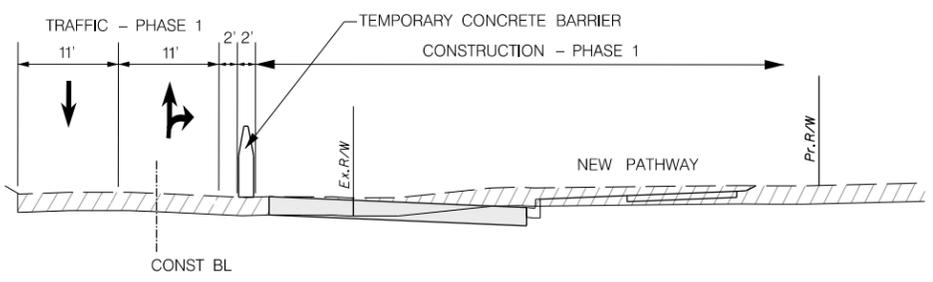
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LEGEND

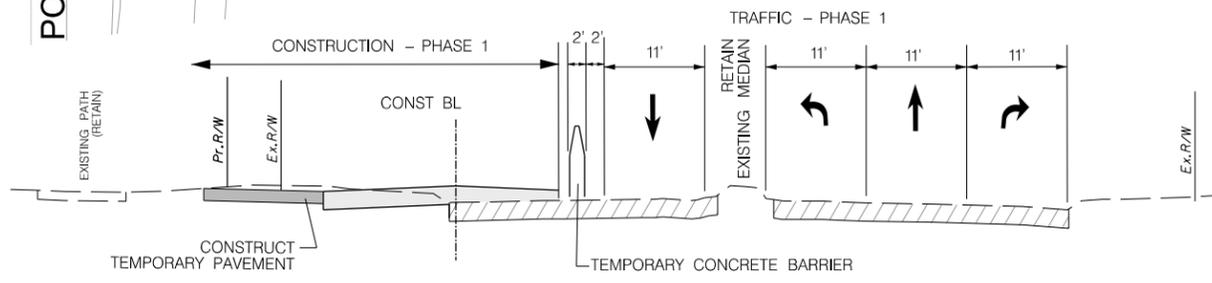
-  CONSTRUCTION - PHASE 1
-  TEMPORARY CONCRETE BARRIER
-  TRAFFIC - PHASE 1



TYPICAL SECTION - OFFICE PARK ROAD PHASE 1



TYPICAL SECTION - NEW ORLEANS ROAD PHASE 1



NOTES:

SEE SCDOT STANDARD DRAWING 601-020-00 FOR EXACT PLACEMENT OF PORTABLE PLASTIC DRUMS.

ACCESS TO DRIVES / SIDE ROADS TO BE MAINTAINED DURING CONSTRUCTION, AS SHOWN ON THESE PLANS.

DAYTIME LANE CLOSURE FOR POPE AVENUE WILL BE ALLOWED BY SCDOT. CONTRACTOR TO SCHEDULE THESE LANE CLOSURES TO AVOID THE AM AND PM PEAK TRAFFIC TIMES.



THESE TRAFFIC CONTROL PLANS INCLUDE PEDESTRIAN PATHWAY TRAFFIC CONTROL AND MAINTENANCE OF HIGH VOLUME PED AND BICYCLE MOVEMENTS. DETOURS AT ADJACENT INTERSECTIONS/CROSSING OPPORTUNITIES WILL BE REQUIRED.

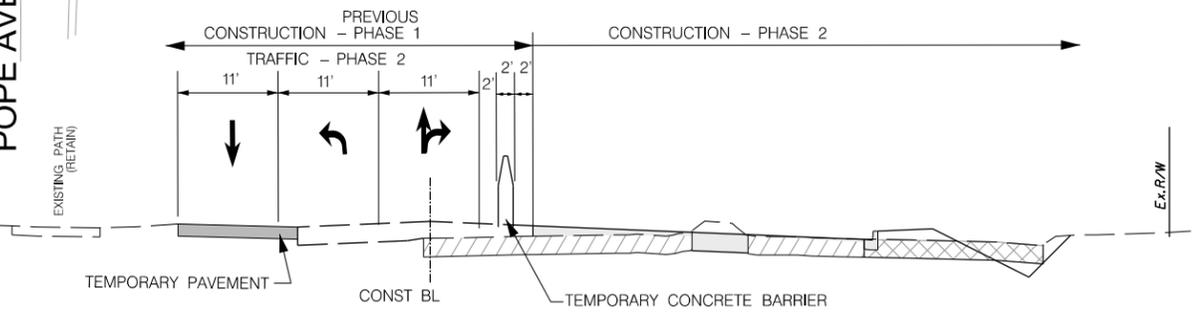
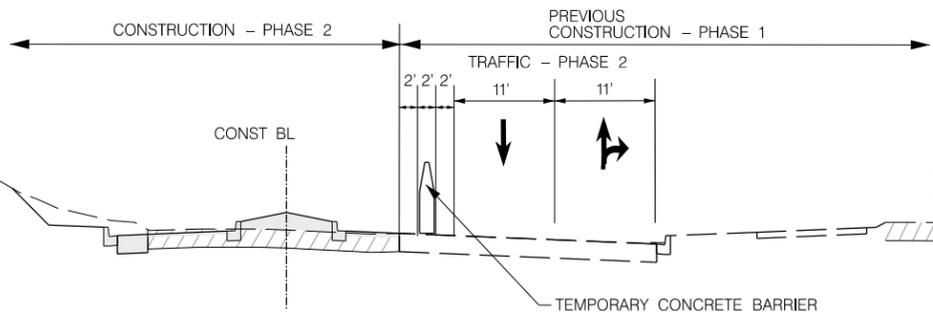
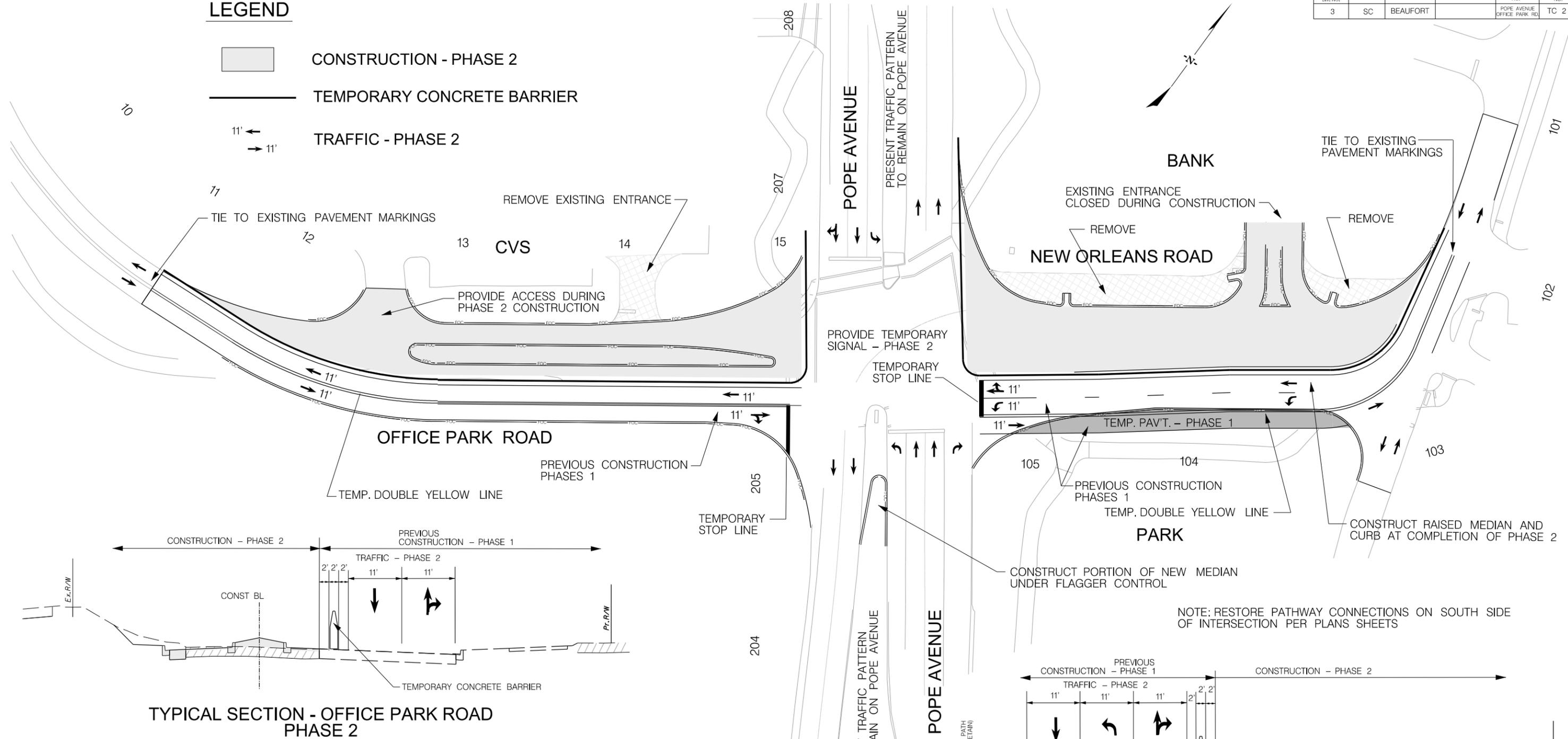
TEMPORARY CONCRETE BARRIERS AND DRUMS WILL BE SUPPLEMENTED WITH TYPE A WARNING FLASHING LIGHTS FOR NIGHTTIME USE. SEE SCDOT STANDARD DRAWINGS SECTION 605-400.

<p>BID SET</p> <p>NOT FOR CONSTRUCTION</p> <p>1" = 30'</p>	<p>JE INFRASTRUCTURE</p> <p>CONSULTING & ENGINEERING</p>		<p>TOWN OF HILTON HEAD ISLAND SOUTH CAROLINA</p> <p>TRAFFIC CONTROL AND STAGING PLAN - PHASE 1</p> <p>POPE AVE./OFFICE PARK RD. ROADWAY AND DRAINAGE IMPROVEMENTS</p>																				
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION																				
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2																							
1																							

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LEGEND

-  CONSTRUCTION - PHASE 2
-  TEMPORARY CONCRETE BARRIER
-  TRAFFIC - PHASE 2



NOTES:

SEE SCDOT STANDARD DRAWING 601-020-00 FOR EXACT PLACEMENT OF PORTABLE PLASTIC DRUMS.

ACCESS TO DRIVES / SIDE ROADS TO BE MAINTAINED DURING CONSTRUCTION, AS SHOWN ON THESE PLANS.

DAYTIME LANE CLOSURE FOR POPE AVENUE WILL BE ALLOWED BY SCDOT. CONTRACTOR TO SCHEDULE THESE LANE CLOSURES TO AVOID THE AM AND PM PEAK TRAFFIC TIMES.

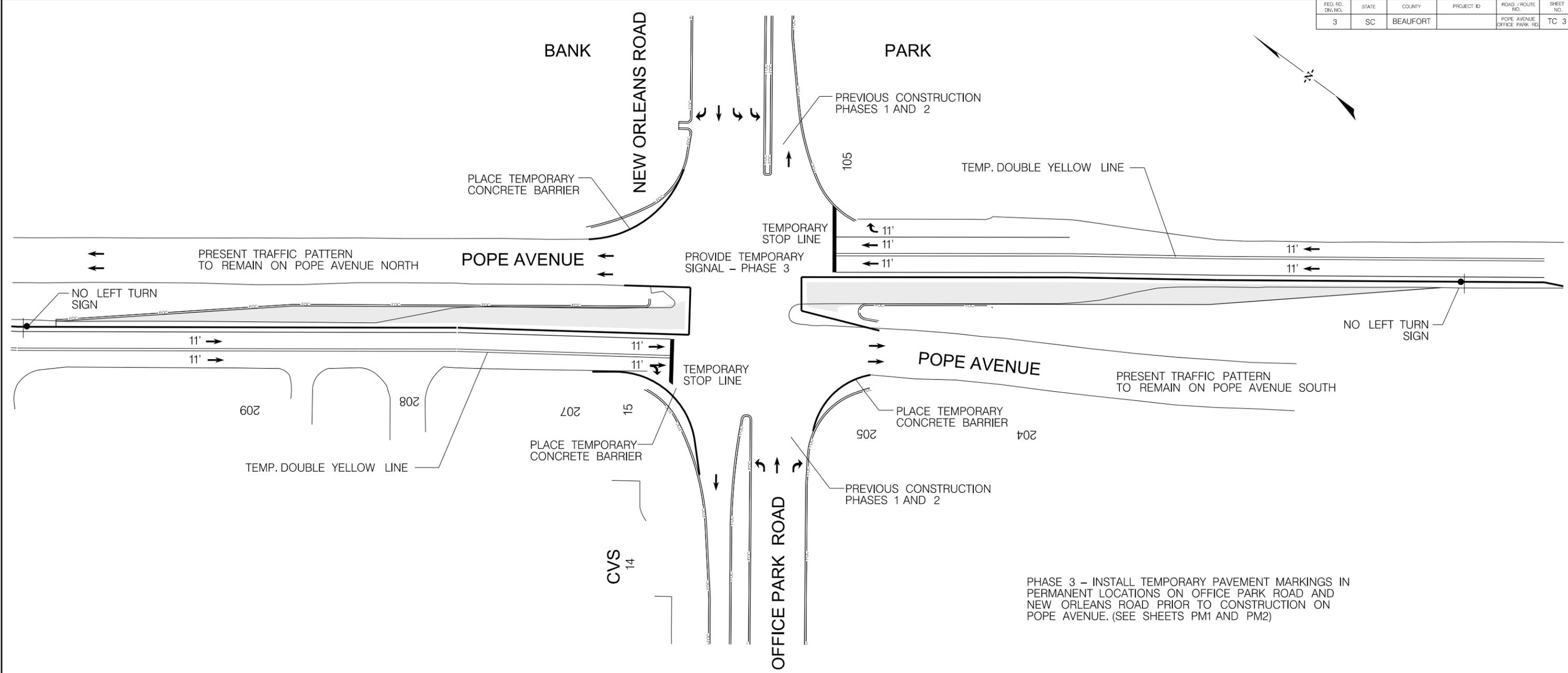
THESE TRAFFIC CONTROL PLANS INCLUDE PEDESTRIAN PATHWAY TRAFFIC CONTROL AND MAINTENANCE OF HIGH VOLUME PED AND BICYCLE MOVEMENTS. DETOURS AT ADJACENT INTERSECTIONS/CROSSING OPPORTUNITIES WILL BE REQUIRED.

TEMPORARY CONCRETE BARRIERS AND DRUMS WILL BE SUPPLEMENTED WITH TYPE A WARNING FLASHING LIGHTS FOR NIGHTTIME USE. SEE SCDOT STANDARD DRAWINGS SECTION 605-400.



<p>BID SET</p> <p>NOT FOR CONSTRUCTION</p> <p>1" = 30'</p>	<p>JE INFRASTRUCTURE</p> <p>CONSULTING & ENGINEERING</p>			<p>TOWN OF HILTON HEAD ISLAND</p> <p>SOUTH CAROLINA</p>	
	<p>TRAFFIC CONTROL AND STAGING PLAN - PHASE 2</p>			<p>POPE AVE./OFFICE PARK RD.</p> <p>ROADWAY AND DRAINAGE IMPROVEMENTS</p>	
	<p>4</p>	<p>3</p>		<p>2</p>	<p>1</p>
	<p>REV. NO.</p>	<p>BY</p>		<p>DATE</p>	<p>DESCRIPTION OF REVISION</p>

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PHASE 3 - INSTALL TEMPORARY PAVEMENT MARKINGS IN PERMANENT LOCATIONS ON OFFICE PARK ROAD AND NEW ORLEANS ROAD PRIOR TO CONSTRUCTION ON POPE AVENUE. (SEE SHEETS PM1 AND PM2)

NOTES:

SEE SCDOT STANDARD DRAWING 601-020-00 FOR EXACT PLACEMENT OF PORTABLE PLASTIC DRUMS.

ACCESS TO DRIVES / SIDE ROADS TO BE MAINTAINED DURING CONSTRUCTION, AS SHOWN ON THESE PLANS.

DAYTIME LANE CLOSURE FOR POPE AVENUE WILL BE ALLOWED BY SCDOT. CONTRACTOR TO SCHEDULE THESE LANE CLOSURES TO AVOID THE AM AND PM PEAK TRAFFIC TIMES.

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TEMPORARY CONCRETE BARRIERS AND DRUMS WILL BE SUPPLEMENTED WITH TYPE A WARNING FLASHING LIGHTS FOR NIGHTTIME USE. SEE SCDOT STANDARD DRAWINGS SECTION 605-400.



LEGEND

- CONSTRUCTION - PHASE 3
- TEMPORARY CONCRETE BARRIER
- TRAFFIC - PHASE 3

BID SET
NOT FOR CONSTRUCTION

1" = 30'

JE INFRASTRUCTURE CONSULTING & ENGINEERING	
4	
3	
2	
1	
REV. NO.	DESCRIPTION OF REVISION

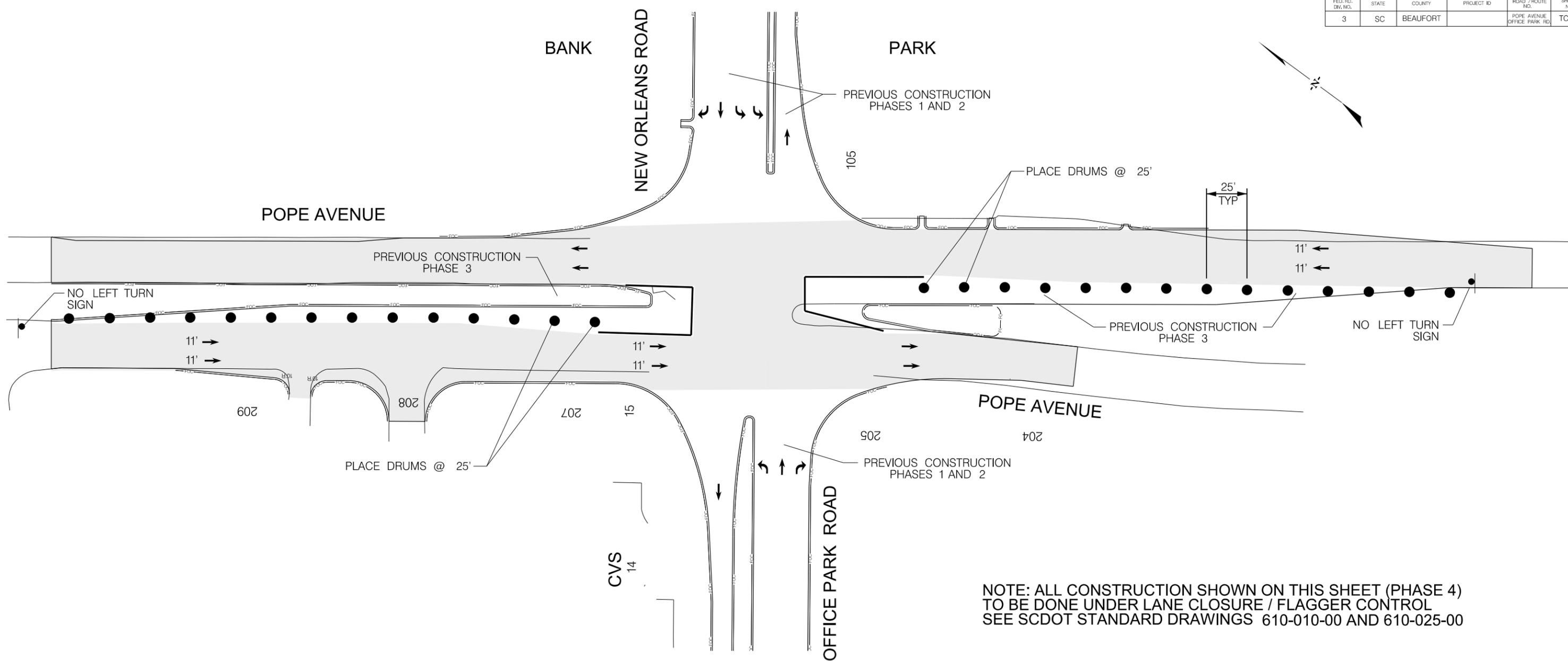


TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

TRAFFIC CONTROL AND
STAGING PLAN - PHASE 3

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

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NOTE: ALL CONSTRUCTION SHOWN ON THIS SHEET (PHASE 4) TO BE DONE UNDER LANE CLOSURE / FLAGGER CONTROL. SEE SCDOT STANDARD DRAWINGS 610-010-00 AND 610-025-00

NOTES:

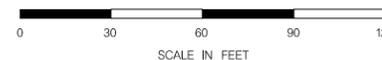
SEE SCDOT STANDARD DRAWING 601-020-00 FOR EXACT PLACEMENT OF PORTABLE PLASTIC DRUMS.

ACCESS TO DRIVES / SIDE ROADS TO BE MAINTAINED DURING CONSTRUCTION, AS SHOWN ON THESE PLANS.

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LEGEND

-  CONSTRUCTION - PHASE 4
-  TEMPORARY CONCRETE BARRIER
-  TRAFFIC - PHASE 4

BID SET
NOT FOR CONSTRUCTION

1" = 30'

JE INFRASTRUCTURE CONSULTING & ENGINEERING			
4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION

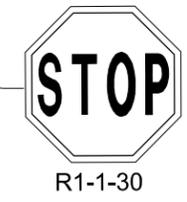
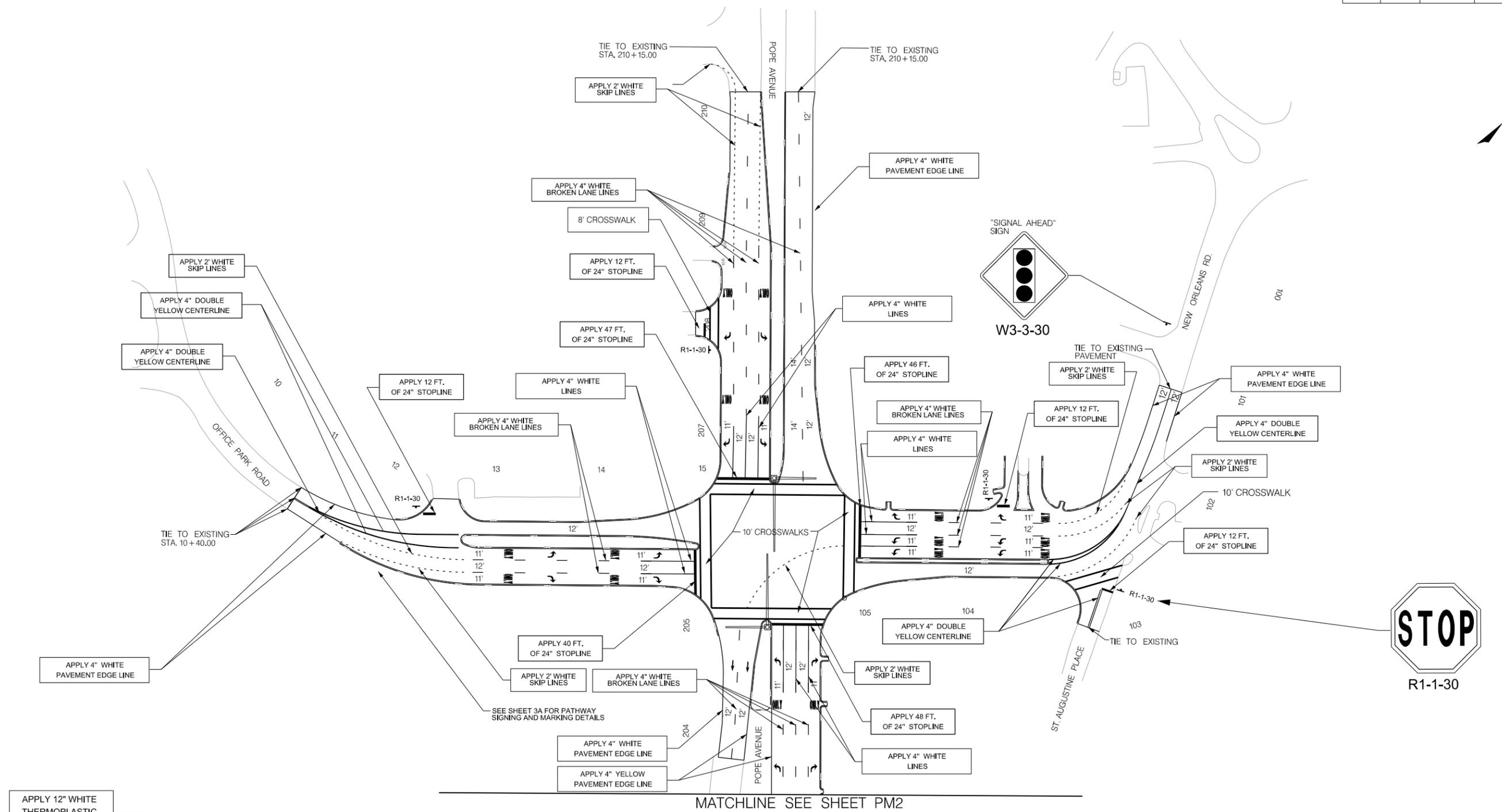


TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

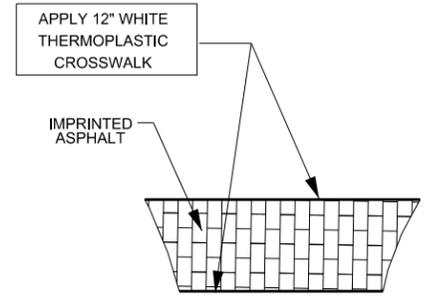
**TRAFFIC CONTROL AND
STAGING PLAN - PHASE 4**

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

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APPLY ARROWS & "ONLY'S"
SEE PAGES 3-233 & 3-234 OF
THE M. U. T. C. D.



CROSSWALK DETAIL
NTS

BID SET
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

JE INFRASTRUCTURE		CONSULTING & ENGINEERING	
4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION



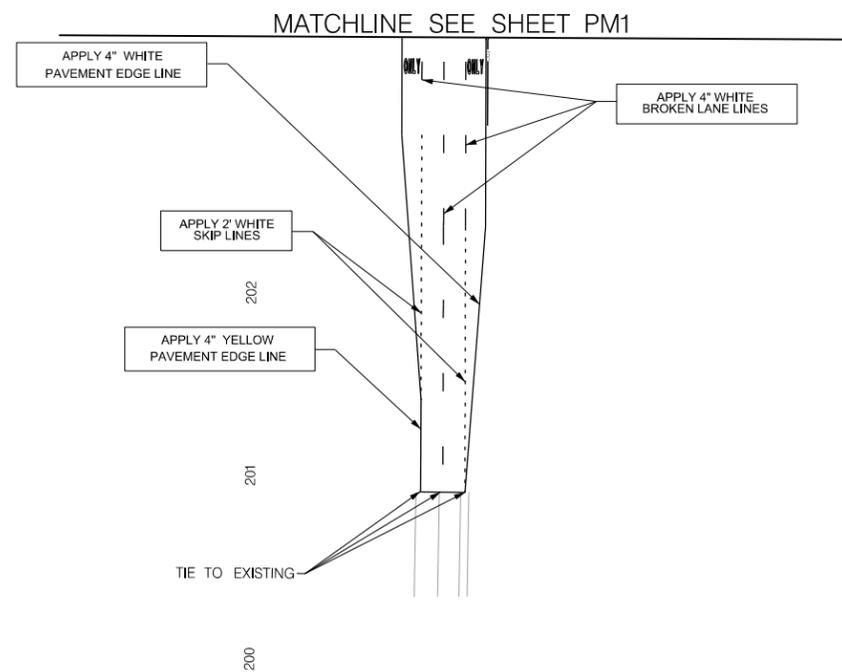
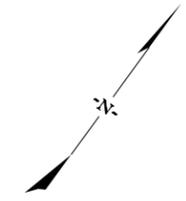
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

**PAVEMENT MARKING
AND SIGNING PLAN**

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

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8/10/2016

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	BEAUFORT		POPE AVENUE / OFFICE PARK RD.	PM2

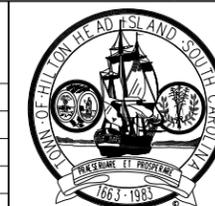


BID SET
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

JE INFRASTRUCTURE
CONSULTING & ENGINEERING

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			



TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

PAVEMENT MARKING
AND SIGNING PLAN

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

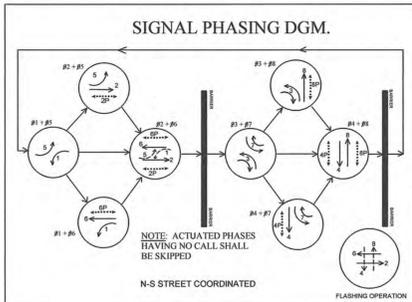
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8/10/2016

SIGNAL EQUIPMENT

ONE (1) 8 PHASE FULLY ACTUATED STANDARD 2070 CONTROLLER WITH FLASHER, SIGNAL MONITOR UNIT, AND GROUND-MOUNTED MODEL 332 CABINET (EXISTING)
EIGHT (8) MODEL 222 TWO-CHANNEL VEHICLE DETECTOR UNITS (EXISTING)

TWO (2) DC ISOLATORS (EXISTING)
TWO (2) SCDOT STD. DOUBLE-ARMED MAST-ARM SUPPORTS (NEW)
FOUR (4) SCDOT STD. PEDESTRIAN POLES (EXISTING - TO BE RELOCATED) (EXISTING)

SIGNAL HEADS (NEW)										
HEAD NO.	16	2	23	3	4	52	6	67	7	8
LENS										
PHASE	1	6	2	3	3	4	5	6	7	8
SIZE	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
QUANTITY	1	1	1	1	2	1	1	1	2	2



PHASE BANK 1

WALK	PHASE								MAX WALK												
	1	2	3	4	5	6	7	8													
0	6	3	4	5	10	5	0	1	PHASE1	6	1	1	1	1	1	1	1	1	1	1	1
1	26	6	31	6	22	27	1	1	PHASE2	32	1	1	1	1	1	1	1	1	1	1	1
2	6	32	6	8	6	32	6	8	3	PHASE3	1	1	1	1	1	1	1	1	1	1	1
3	6	6	6	6	6	6	6	6	4	PHASE4	8	1	1	1	1	1	1	1	1	1	1
4	6	6	6	6	6	6	6	6	5	PHASE5	6	1	1	1	1	1	1	1	1	1	1
5	2.5	4.0	2.5	3.0	2.5	4.0	2.5	3.0	6	PHASE6	32	1	1	1	1	1	1	1	1	1	1
6	2.5	4.0	2.5	3.0	2.5	4.0	2.5	3.0	7	PHASE7	8	1	1	1	1	1	1	1	1	1	1
7	2.5	4.0	2.5	3.0	2.5	4.0	2.5	3.0	8	PHASE8	8	1	1	1	1	1	1	1	1	1	1
8	20	45	20	25	20	45	25	20	8	PHASE9	8	1	1	1	1	1	1	1	1	1	1
9	35	110	30	35	35	110	40	25	8	PHASE10	8	1	1	1	1	1	1	1	1	1	1

EMERGENCY VEHICLE PREEMPTION OPERATION
PREEMPTION SYSTEM IS GTT OPTICOM GPS MODEL 764 SERIES.
GPS RADIO ANTENNA IS CABINET MOUNTED.
DETECTOR - PHASE ASSIGNMENTS AS OUTLINED IN CONTROLLER FUNCTION FLAGS.
ALL CONFLICTING VEHICLE & PED PHASES TERMINATED UPON PREEMPTION CALL USING BACKGROUND CLEARANCE INTERVALS.
PREEMPT PHASE TO REMAIN ACTIVE WHILE CALL IS PRESENT.
* SIGNAL RETURNS TO PHASE 2-6 AFTER CALL TERMINATES USING PREEMPT PHASE BACKGROUND CLEARANCE INTERVALS.

- NOTES: 1. INSTALL R10-3i-9 BESIDE EACH PEDESTRIAN PUSH BUTTON
2. PED PUSHBUTTONS FOR PHASE 2P AND 6P ARE INACTIVE BUTTONS THAT DO NOT GET WIRED TO THE CABINET

LOOP DETECTOR INSTALLATION CHART

LOOP	RACK	WIRED TO PHASE	PULSE PRESENCE	DET #	OPERATION	SPECIAL FEATURES	LOOP DESIGN	
							SIZE (FT.)	# TURNS
1	TB2	1I-DE	1	X	1	CALL, EXTEND	6 x 40 QUAD	2 -3
2A	TB2	1I-DE	2	X	2	CALL, EXTEND	6 x 6	4 -30
2B	TB2	1I-DE	2	X	3	CALL, EXTEND	6 x 6	4 -30
3	TB4	1I-DE	3	X	7	CALL, EXTEND	6 x 40 QUAD	2 -3
4A	TB4	1I-DE	4	X	8	CALL, EXTEND	6 x 40 QUAD	2 -3
4B	TB4	1I-DE	4	X	9	CALL, EXTEND	6 x 40 QUAD	2 -3
5	TB5	1I-DE	5	X	15	CALL, EXTEND	6 x 40 QUAD	2 -3
6A	TB5	1I-DE	6	X	16	CALL, EXTEND	6 x 6	4 -30
6B	TB5	1I-DE	6	X	17	CALL, EXTEND	6 x 6	4 -30
7A	TB5	1I-DE	7	X	21	CALL, EXTEND	6 x 40 QUAD	2 -3
7B	TB5	1I-DE	7	X	21	CALL, EXTEND	6 x 40 QUAD	2 -3
8A	TB5	1I-DE	8	X	22	CALL, EXTEND	6 x 40 QUAD	2 -3
8B	TB5	1I-DE	8	X	23	CALL, EXTEND	6 x 40 QUAD	2 -3

PHASE FUNCTION FLAGS

PHASES	1	2	3	4	5	6	7	8
0 PERMIT	1	2	3	4	5	6	7	8
1 RED LOCK	2	1	6					
2 YELLOW LOCK	2	1	6					
3 VEH RECALL	2	1	6					
4 PED RECALL	2	1	6					
5								
6 REST IN WALK	2	1	6					
7 RED REST	2	1	6					
8 DOUBLE ENTRY	2	1	6					
9 MAX RECALL	1	2	3	4	5	6	7	8
A SORT RECALL	1	2	3	4	5	6	7	8
B MAX 2	1	2	3	4	5	6	7	8
C COND SERV								
D EXT CONT CALL								
E YELLOW START								
F FIRST PHASES	2	1	6					

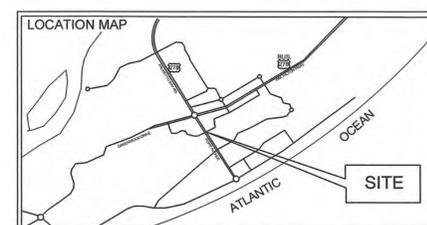
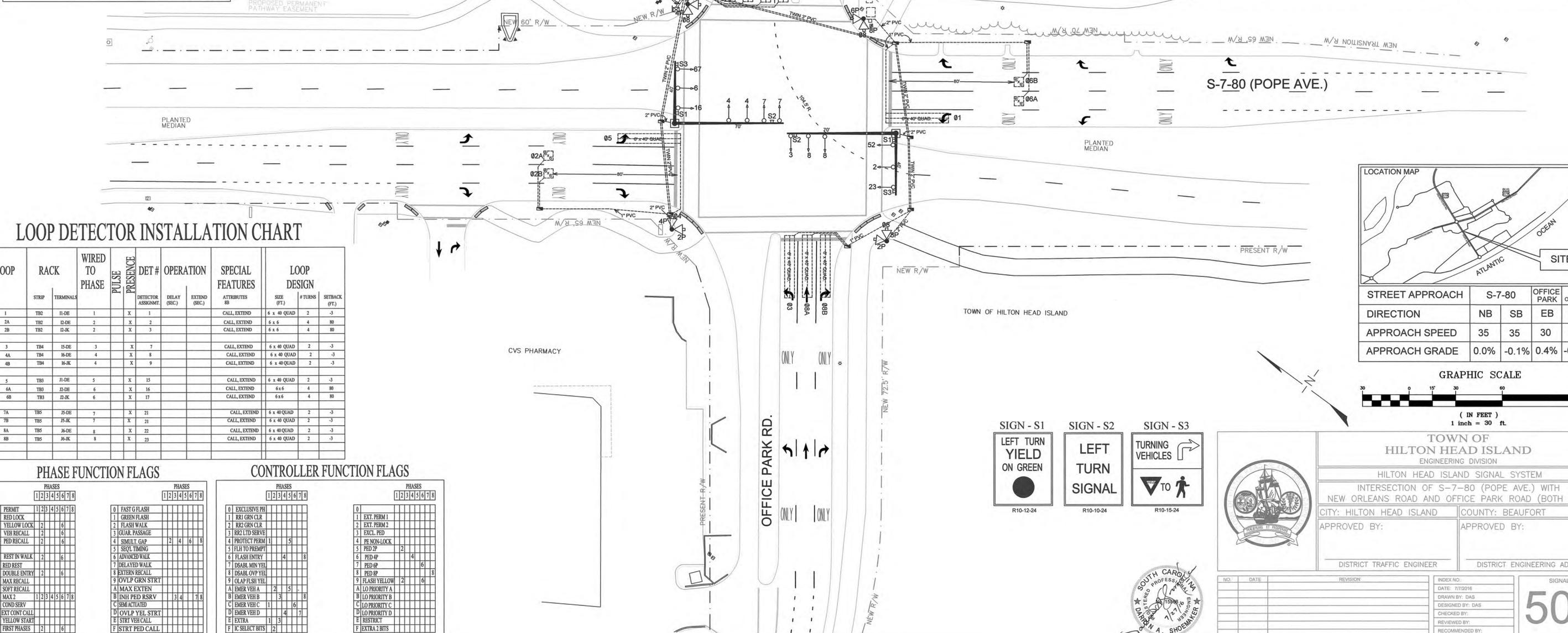
CONTROLLER FUNCTION FLAGS

PHASES	1	2	3	4	5	6	7	8
0 EXCLUSIVE PH								
1 R1 GRN CLR								
2 R2 GRN CLR								
3 RR LTD SERVE								
4 PROTECT PERM	1				5			
5 FLH TO PREMPT								
6 FLASH ENTRY						4		8
7 DSABL MIN VEH								
8 DSABL OVP VEH								
9 CLAP FISH YEL								
A EMER VEH A	2				5			
B EMER VEH B	1				3			8
C EMER VEH C	1				3			6
D EMER VEH D	1				4			7
E EXTRA	1				3			
F IC SELECT BITS	2							

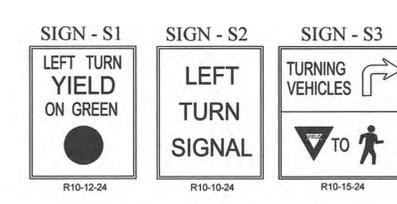
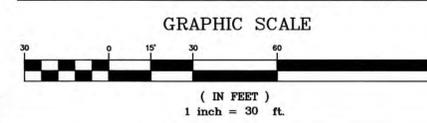
SIGNAL DISPLAY SEQUENCE

SIGNAL HEAD NUMBER	PHASE 1-6				PHASE 7-8				PHASE 2P-8P			
	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
16	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
2	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
23	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
3	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
4	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
52	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
6	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
67	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
7	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
8	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
2P	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
4P	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
6P	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
8P	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW

SIGNAL HEAD NUMBER	PHASE 1-6				PHASE 7-8				PHASE 2P-8P			
	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
16	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
2	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
23	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
3	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
4	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
52	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
6	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
67	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
7	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
8	R	W	BARR	Y	R	W	BARR	Y	R	W	BARR	Y
2P	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
4P	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
6P	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
8P	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW



STREET APPROACH	S-7-80	OFFICE PARK	NEW ORLEANS
DIRECTION	NB SB	EB WB	
APPROACH SPEED	35 35	30 30	
APPROACH GRADE	0.0% -0.1%	0.4% -0.1%	

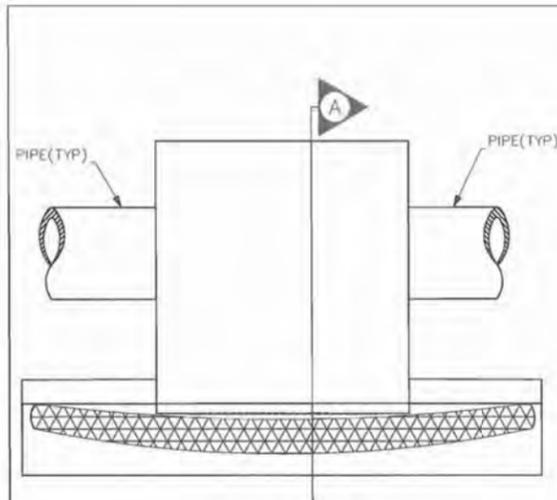


TOWN OF HILTON HEAD ISLAND
ENGINEERING DIVISION
HILTON HEAD ISLAND SIGNAL SYSTEM
INTERSECTION OF S-7-80 (POPE AVE.) WITH NEW ORLEANS ROAD AND OFFICE PARK ROAD (BOTH O.S.)
CITY: HILTON HEAD ISLAND COUNTY: BEAUFORT
APPROVED BY: _____
DISTRICT TRAFFIC ENGINEER DISTRICT ENGINEERING ADMIN.

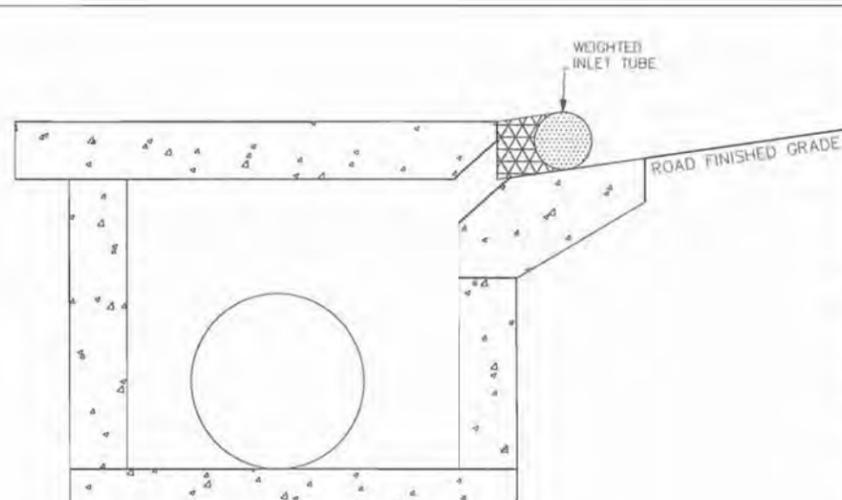
INDEX NO. _____
DATE: 7/7/2016
DRAWN BY: DAS
DESIGNED BY: DAS
CHECKED BY: _____
REVIEWED BY: _____
RECOMMENDED BY: _____

SIGNAL # **501**



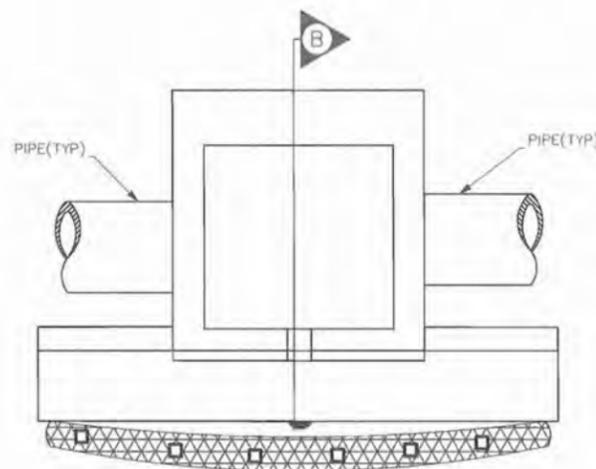


TOP VIEW
DETAIL 1
DESCRIPTION OF
DETAIL

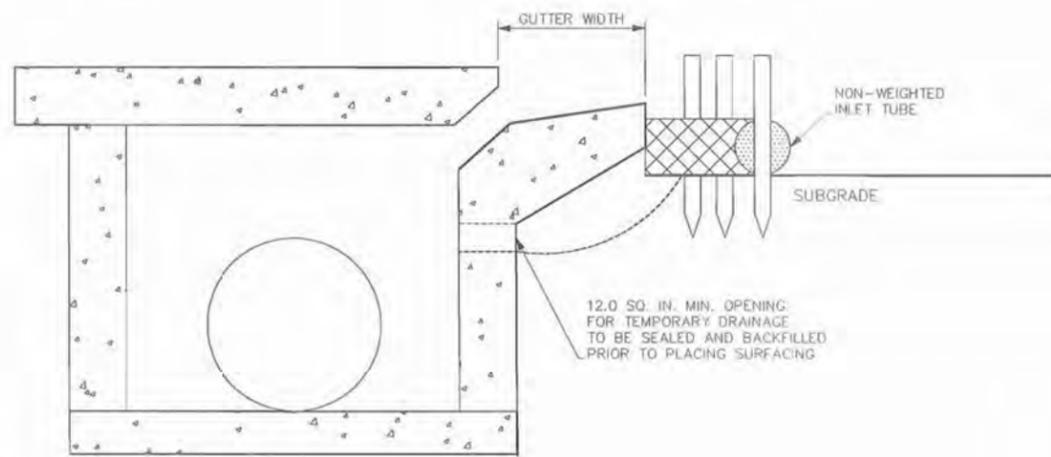


SECTION A
SIDE VIEW OF
CATCH BASIN &
TYPE F INLET STRUCTURE
FILTER

WEIGHTED INLET TUBE



TOP VIEW
DETAIL 2
DESCRIPTION OF
DETAIL



SECTION B
SIDE VIEW OF
CATCH BASIN &
TYPE F INLET STRUCTURE
FILTER

NON-WEIGHTED INLET TUBE

THIS DRAWING IS NOT TO SCALE

- NOTES:
- DRAWING SHOWS TYPE 16 CATCH BASIN.
 - NON-WEIGHTED TUBES SHALL BE INSTALLED IMMEDIATELY AFTER GRADING AND CONSTRUCTION OF CATCH BASIN BOX. NON-WEIGHTED TUBES SHALL BE MAINTAINED DURING SUBGRADE AND BASE PREPARATION UNTIL BASE COURSE IS PLACED. THEY ARE APPLICABLE FOR CATCH BASIN TYPES 1, 16, 17, AND 18 WITH DRAINAGE AREAS LESS THAN 1 ACRE.
 - INLET TUBES MAY BE TEMPORARILY MOVED DURING CONSTRUCTION AS NEEDED.
 - CONSTRUCT A SMALL U-SHAPED TRENCH TO A DEPTH THAT IS 20% OF THE NON-WEIGHTED INLET TUBE DIAMETER. LAY THE INLET TUBE FLAT IN THE U-SHAPED TRENCH AND COMPACT THE UPSTREAM INLET TUBE SOIL INTERFACE.
 - INSTALL NON-WEIGHTED INLET TUBES USING WOODEN STAKES WITH A MINIMUM LENGTH OF 3 FEET AND A MINIMUM MEASURED DIMENSION OF 7' X 7' AND A MAXIMUM MEASURED DIMENSION 2' X 2' OR 1.25 POUNDS PER FOOT STEEL POSTS WITH A MINIMUM LENGTH OF 3 FEET. USE STEEL POSTS WITHOUT A KICK PLATE AND PAINTING IS NOT REQUIRED. SPACE POSTS OR STAKES ON 2 FOOT CENTERS AND DRIVE THEM INTO THE GROUND TO A DEPTH OF 2 FEET OR TO THE MAXIMUM EXTENT PRACTICABLE. INSTALL NON-WEIGHTED INLET TUBES SO THAT THE TOP IS BELOW THE TOP OF THE INSTALLED CURB LINE TO ENSURE THAT ALL OVERFLOW OR OVERTOPPING WATER HAS THE ABILITY TO ENTER THE INLET UNOBSTRUCTED.
 - PLACE STAKES ON THE DOWNSTREAM SIDE OF THE NON-WEIGHTED INLET TUBE. REFER TO MANUFACTURER'S RECOMMENDATION FOR OTHER STAKING DETAILS.
 - AFTER ROAD BASE COURSE IS PLACED, WEIGHTED INLET TUBES SHALL BE PLACED FOR CATCH BASIN TYPES 1, 9, 12, 14, 15, 16, 17, & 18. DI 24 INCHES X 24 INCHES, DI 24 INCHES X 36 INCHES, MANHOLES, AND TRENCH DRAINS. WEIGHTED INLET TUBES ARE APPLICABLE WHERE CONSTRUCTION TRAFFIC MAY OCCUR AROUND THE INLET.
 - INSTALL WEIGHTED INLET TUBES LYING FLAT ON THE GROUND WITH NO GAPS BETWEEN THE UNDERLYING SURFACE AND THE TUBE.
 - DO NOT COMPLETELY BLOCK INLETS WITH INLET TUBES. INSTALL WEIGHTED INLET TUBES IN SUCH A MANNER THAT ALL OVERFLOW CAN ENTER THE INLET UNOBSTRUCTED. TO AVOID POSSIBLE FLOODING, 2 (S) 3 CONCRETE CINDER BLOCKS MAY BE PLACED BETWEEN THE WEIGHTED INLET TUBE AND THE INLET.
 - FOR WEEP HOLE APPLICATIONS, BOTH WEIGHTED AND NON-WEIGHTED INLET TUBES ARE APPLICABLE.
 - ALL WEIGHTED TYPE F INLET STRUCTURE FILTERS ARE APPLICABLE AS TYPE E INLET STRUCTURE FILTERS.
 - REPLACE INLET TUBES DURING INSTALLATION AS DIRECTED BY THE ENGINEER, INSPECTOR, OR MANUFACTURER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.
 - ALL TYPE F INLET FILTERS SHALL BE INSPECTED EVERY 7 CALENDAR DAYS.
 - THE PAY ITEMS SHALL BE:
INLET STRUCTURE FILTER TYPE F (WEIGHTED) _____ LF
INLET STRUCTURE FILTER TYPE F (NON-WEIGHTED) _____ LF
CLEANING INLET STRUCTURE FILTERS _____ EA

REFERENCES

NATIONAL DOCUMENTS

SCDOT DOCUMENTS
SC-M-815-8

RELATED DRAWINGS & KEYWORDS

THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WWW.SCDOT.ORG FOR LATEST UPDATE.

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
NO. 21242
JAMES W. KENDALL, JR.

James W. Kendall, Jr.
SIGNATURE
9-27-2012
DATE

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0	8/2013	DSO	UPDATED DRAWING
#	DATE	CHK	DESCRIPTION

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
TYPE F
INLET STRUCTURE
FILTERS

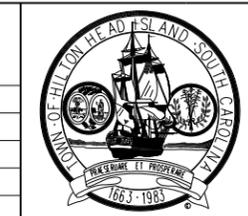
815-006-00
EFFECTIVE LETTING DATE | JAN, 2013

TYPE 'F' INLET FILTER

**BID SET
NOT FOR CONSTRUCTION**

JE INFRASTRUCTURE
CONSULTING & ENGINEERING

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION



TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

EROSION CONTROL DETAILS

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

REFERENCES

NATIONAL DOCUMENTS

SCDOT DOCUMENTS

SC-M-815-10

RELATED DRAWINGS & KEYWORDS

PRECONSTRUCTION SUPPORT ENGINEER

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
No. 21242
W. KENDALL, JR.

James W. Kendall, Jr.
SIGNATURE

AUGUST 23, 2012
DATE

6			
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1	8/2012	DSO	ADDED CHART 815-505
0	3/2008	DSO	GENERAL REVISIONS
#	DATE	CHK	DESCRIPTION

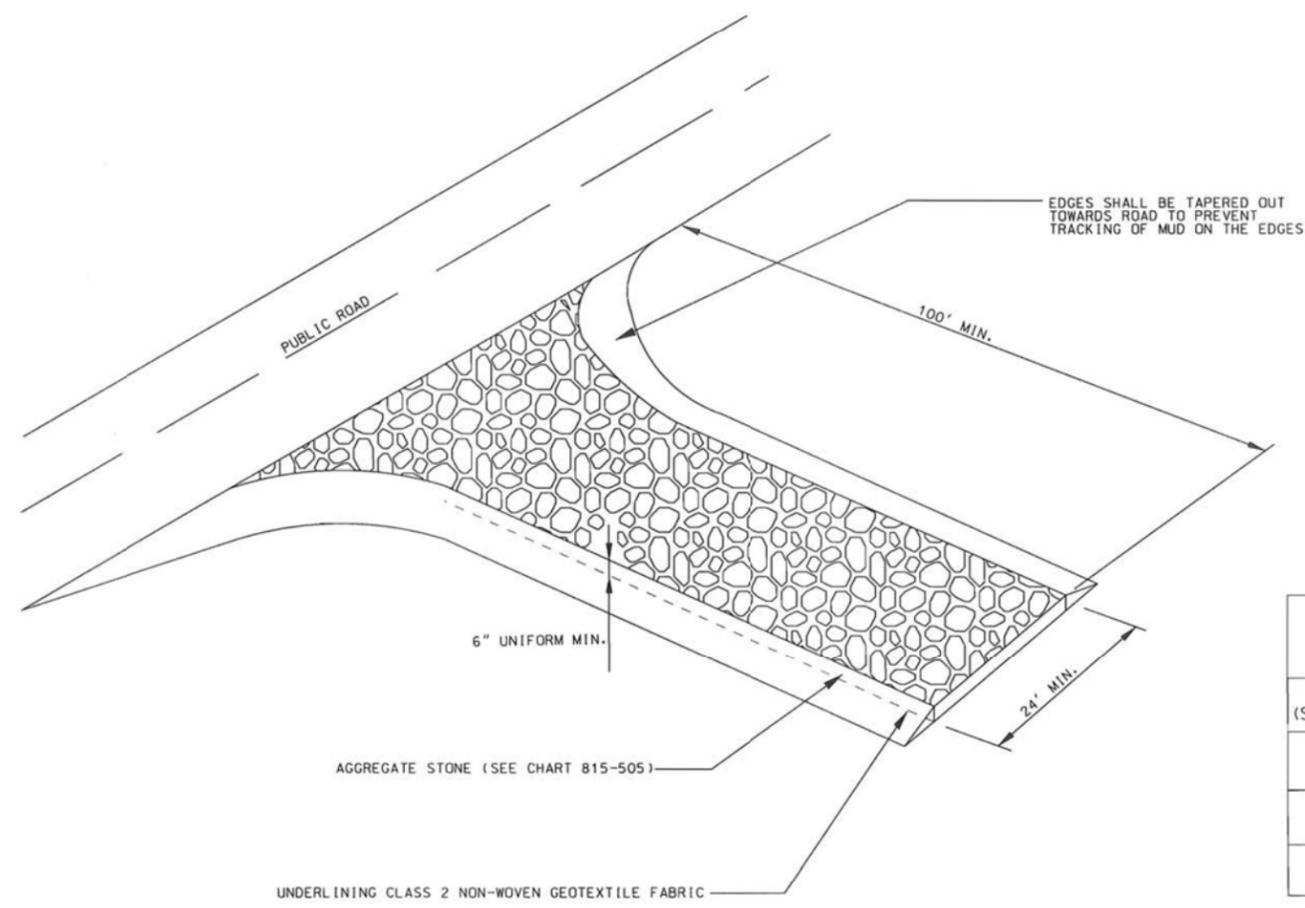
SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

STABILIZED CONSTRUCTION ENTRANCE

815-505-00

EFFECTIVE LETTING DATE JAN 2013 THIS DRAWING IS NOT TO SCALE



- NOTES:**
1. STABILIZED CONSTRUCTION ENTRANCES SHOULD BE USED AT ALL POINTS WHERE TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AND MOVING DIRECTLY ONTO A PUBLIC ROAD.
 2. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF SITE. WASHDOWN FACILITIES SHALL BE REQUIRED AS DIRECTED BY SCDOT AS NEEDED. WASHDOWN AREAS IN GENERAL MUST BE ESTABLISHED WITH CRUSHED GRAVEL AND DRAIN INTO A SEDIMENT TRAP OR SEDIMENT BASIN. CONSTRUCTION ENTRANCES SHOULD BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PICKED UP BY VEHICLES.
 3. REMOVE ALL VEGETATION AND ANY OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA.
 4. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM STONES TO A SEDIMENT TRAP OR BASIN.
 5. INSTALL A CLASS 2 NON-WOVEN GEOTEXTILE FABRIC THAT MEETS THE REQUIREMENTS OF SECTION 804 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, PRIOR TO PLACING ANY STONE.
 6. MINIMUM DIMENSIONS OF THE ENTRANCE SHALL BE 24-FT WIDE X 100-FT LONG, AND MAY BE MODIFIED AS NECESSARY TO ACCOMMODATE SITE CONSTRAINTS.
 7. INSPECT CONSTRUCTION ENTRANCES EVERY SEVEN (7) CALENDAR DAYS. CHECK FOR MUD AND SEDIMENT BUILDUP, AS WELL AS PAD INTEGRITY. MAINTENANCE IS REQUIRED MORE FREQUENTLY IN WET WEATHER CONDITIONS. RESHAPE THE STONE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
 8. WASH OR REPLACE STONES AS NEEDED AND AS DIRECTED BY THE ENGINEER. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF SITE BY VEHICLES. FREQUENT WASHING WILL EXTEND THE USEFUL LIFE OF STONE.
 9. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED WHEN THE WATER CAN BE DISCHARGED TO A SEDIMENT TRAP OR BASIN.
 10. REPAIR ANY BROKEN PAVEMENT IMMEDIATELY.
 11. THE PAY ITEM SHALL BE: STABILIZED CONSTRUCTION ENTRANCE..... S.Y.

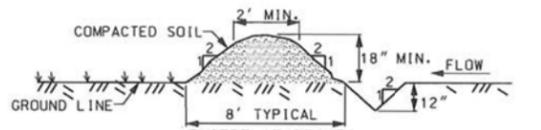
**CHART 815-505
STABILIZED CONSTRUCTION ENTRANCE STONE
AGGREGATE**

NOMINAL SIZE (SIEVES WITH SQUARE OPENINGS)	PERCENT PASSING (%)
3"	100
1-1/2"	35 TO 100
3/4"	0 TO 15

STABILIZED CONSTRUCTION ENTRANCE

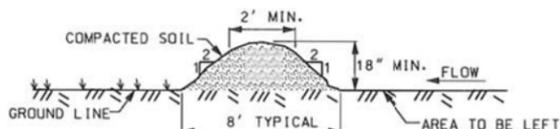
<p>BID SET NOT FOR CONSTRUCTION</p>	<p>JE INFRASTRUCTURE CONSULTING & ENGINEERING</p>			<p>TOWN OF HILTON HEAD ISLAND SOUTH CAROLINA</p>
	4			<p>EROSION CONTROL DETAILS</p>
	3			<p>POPE AVE./OFFICE PARK RD. ROADWAY AND DRAINAGE IMPROVEMENTS</p>
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8/10/2016



EXCEPT AT DRIVES
TEMPORARY DIVERSION DIKE WITH DITCH

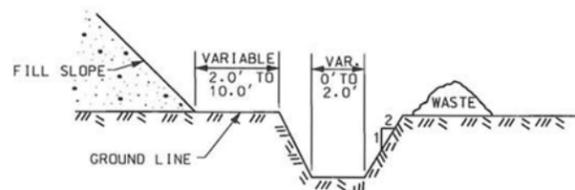
THE PAY ITEM SHALL BE TEMPORARY DIVERSION DIKE WITH DITCH.....L.F.



EXCEPT AT DRIVES
TEMPORARY DIVERSION DIKE

NOTES

1. THIS ITEM IS FOR DIVERTING CLEAN WATER AROUND A CONSTRUCTION AREA.
2. CLEAR AND GRUB ALL TREES, BRUSH, STUMPS AND OTHER OBJECTIONABLE MATERIAL.
3. ENSURE THAT THE MINIMUM CONSTRUCTED CROSS SECTION MEETS ALL DIMENSIONS SHOWN.
4. IMMEDIATELY AFTER CONSTRUCTION ESTABLISH VEGETATION, PLACING TEMPORARY EROSION CONTROL BLANKET ON THE DIKE. (AS APPLICABLE).
5. PAYMENT FOR TEMPORARY DIVERSION DIKE INCLUDES ALL MATERIALS IN PLACE, REMOVAL AND DISPOSAL OF MATERIALS AND RESHAPING DIKE TO DRAIN. SEEDING TO BE PAID FOR SEPARATELY.
6. THE PAY ITEM SHALL BE: TEMPORARY DIVERSION DIKE.....L.F.

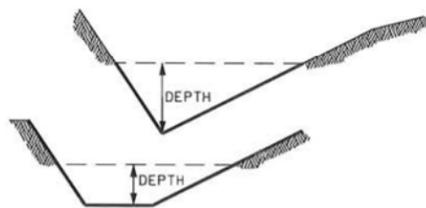


TEMPORARY SILT DITCH

NOTES

1. THIS ITEM IS TO MOVE SEDIMENT LADEN WATER FROM A CONSTRUCTION SITE TO A SEDIMENT CONTROL STRUCTURE.
2. SEED DITCH AND WASTE AREA WITH TEMPORARY SEEDING IMMEDIATELY AFTER CONSTRUCTION.
3. IMMEDIATELY AFTER CONSTRUCTION ESTABLISH VEGETATION, PLACING TEMPORARY EROSION CONTROL BLANKET ON THE DITCH (AS APPLICABLE).
4. THE PAY ITEM SHALL BE: SILT DITCHES.....C.Y.

ROLLED EROSION CONTROL PRODUCT



NOTES

1. THE DEPTH OF THE EROSION CONTROL PRODUCTS ARE TO BE DETERMINED BY DESIGN AND PLACED ON PLAN SHEETS.
2. INSTALL IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
3. COST OF INSTALLATION AND MATERIALS SHALL BE INCLUDED IN THE PAY ITEM FOR ROLLED EROSION CONTROL PRODUCT.
4. PAY ITEMS:
TEMPORARY EROSION CONTROL BLANKET.....SY
PERMANENT TURF REINFORCEMENT MAT.....SY

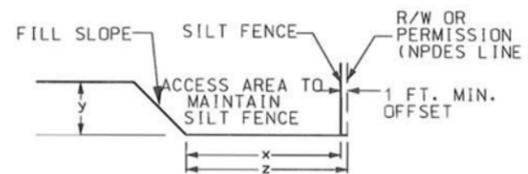
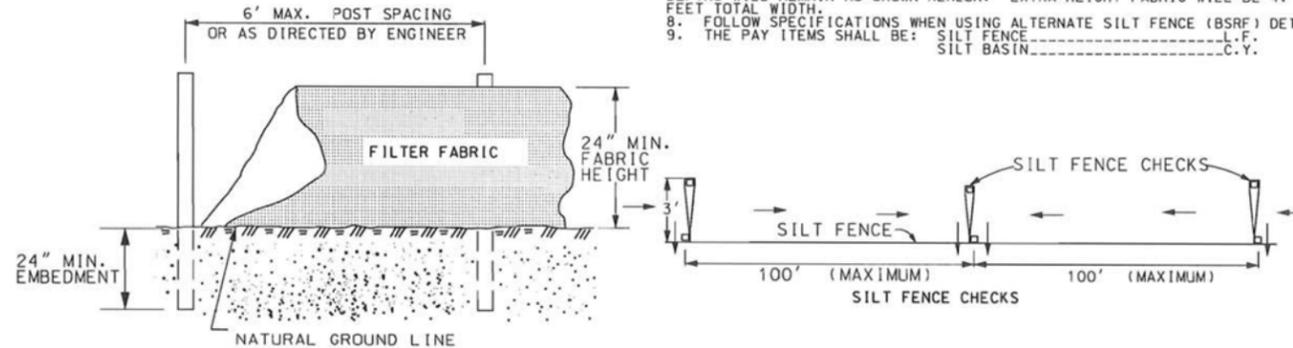
THIS DRAWING IS NOT TO SCALE

SILT FENCE

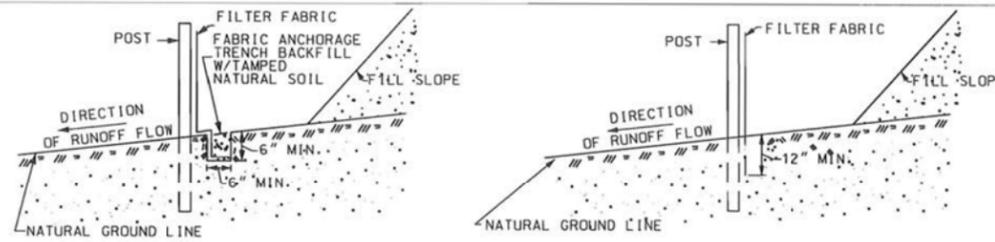
HEIGHT OF FILL (y) IN FEET	FILL SLOPE	MINIMUM SILT FENCE OFFSET FROM TOE OF SLOPE (x) IN FEET	MINIMUM RIGHT OF WAY OFFSET FROM NPDES LINE (z) IN FEET	CHECK LENGTH IN FEET**
<6	2:1	2	3	2
	4:1			
	6:1			
6-10	2:1	12*	13*	5
	4:1			
	6:1			
>10	2:1	12*	13*	5
	4:1			
	6:1			

*THESE MINIMUM OFFSETS MAY BE REDUCED WHEN CURB AND GUTTER OR SOME OTHER FEATURE REDUCES THE FLOW OF WATER DOWN THE SLOPE. THE SMALL OFFSETS OF EACH GROUP OF HEIGHT OF FILL CANNOT BE REDUCED.

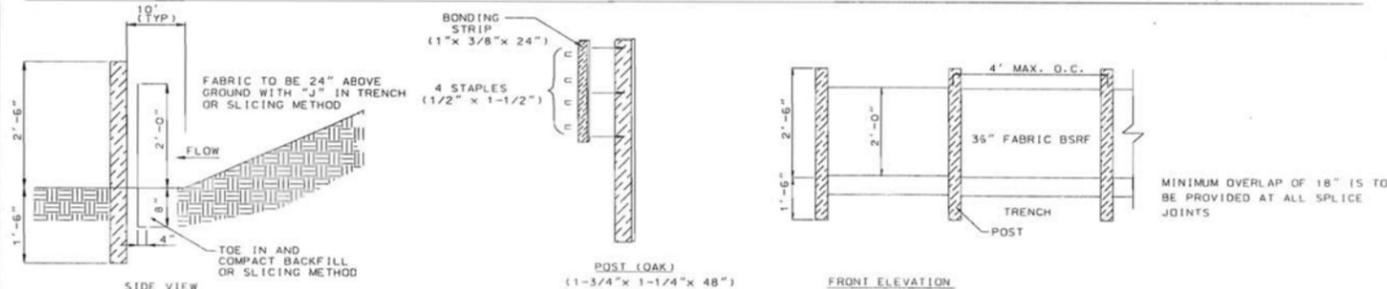
**SILT FENCE CHECKS WILL HAVE A MAXIMUM LENGTH OF FIVE (5) FEET OR UNTIL THEY TIE BACK INTO THE SLOPE.



STANDARD SILT FENCE



12 INCHES OF THE FABRIC SHALL BE BURIED REGARDLESS, IF PLACED PNEUMATICALLY OR BY AND WITH A TRENCHER. BOTH METHODS SHOWN HERE.



ALTERNATE SILT FENCE - BELTED SILT RETENTION FENCE (BSRF)

REFERENCES

NATIONAL DOCUMENTS

SCDOT DOCUMENTS
SC-M-815-2, SC-M-815-9

RELATED DRAWINGS & KEYWORDS

PRECONSTRUCTION SUPPORT ENGINEER

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
No. 21242
JAMES W. KENDALL, JR.

James W. Kendall, Jr.
SIGNATURE

AUGUST 23, 2012
DATE

4			
3			
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1	8/2012	KNB	ADDED SCDOT DOCUMENTS, REMOVED STEEL, CHANGED NOTES
0	3/2008	DSO	GENERAL REVISIONS
#	DATE	CHK	DESCRIPTION

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
TEMPORARY EROSION & SEDIMENTATION CONTROL

815-605-00
EFFECTIVE LETTING DATE | JAN., 2013

SILT FENCE

FOR INFORMATION ONLY

JE INFRASTRUCTURE
CONSULTING & ENGINEERING

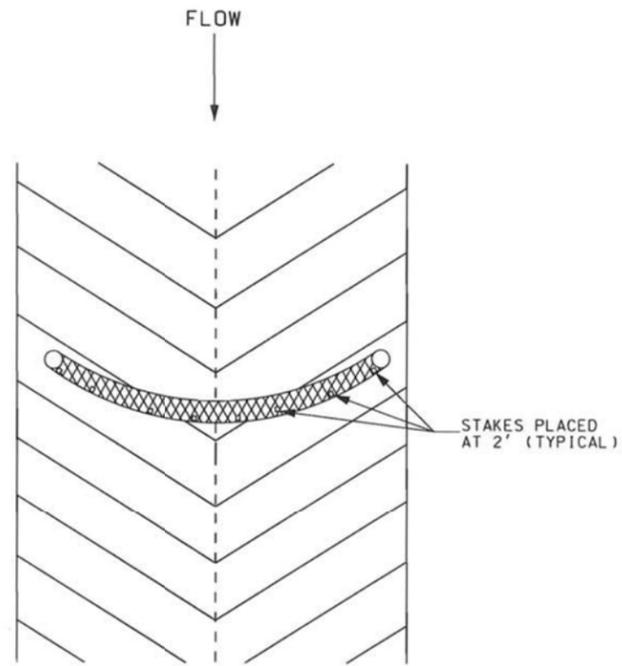


TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

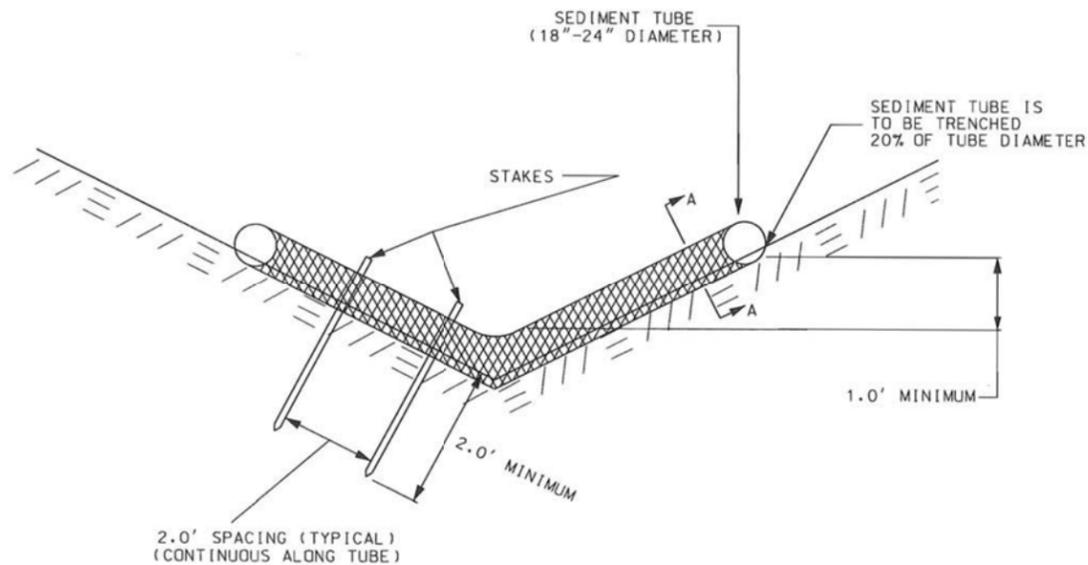
EROSION CONTROL DETAILS

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

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TOP VIEW OF DITCH



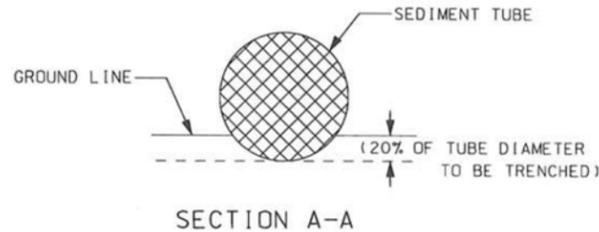
END VIEW OF DITCH

NOTES:

1. SEDIMENT TUBE SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 815 OF THE SCDOT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION (LATEST EDITION), AND MUST BE LISTED ON SCDOT QUALIFIED PRODUCT LIST NUMBER 57. SEDIMENT TUBES MUST MEET THE CRITERIA OUTLINED IN THE SUPPLEMENTAL SPECIFICATIONS BEFORE BEING LISTED ON OPL, AND BE FREE FROM DEFECTS OR TRANSPORTATION DAMAGE.
2. PROPER SITE PREPARATION IS ESSENTIAL TO ENSURE SEDIMENT TUBES ARE IN COMPLETE CONTACT WITH UNDERLYING SOIL. SEDIMENT TUBES ARE TO BE 18-24 INCHES IN DIAMETER AND ARE TO BE TRENCHED TO A DEPTH OF 20% OF TUBE DIAMETER. LAY THE SEDIMENT TUBE FLAT IN THE U-SHAPED TRENCH AND COMPACT THE UPSTREAM SEDIMENT TUBE SOIL INTERFACE. PLACE AND ANCHOR THE SEDIMENT TUBE ENDS SO THEY ARE POSITIONED UPSTREAM OF THE SEDIMENT TUBE CENTER POINT. SEDIMENT TUBES FOR DITCH CHECKS WEIGHING MORE THAN 18 POUNDS PER FOOT DO NOT REQUIRE TRENCHING.
3. SEDIMENT TUBE SHALL BE INSTALLED IMMEDIATELY AFTER GRADING AND CONSTRUCTION. SEDIMENT TUBE SHALL BE MAINTAINED DURING SUBGRADE AND BASE PREPARATION UNTIL BASE COURSE IS COMPLETE. SEDIMENT TUBES MAY BE TEMPORARILY MOVED DURING CONSTRUCTION.
4. SEDIMENT TUBES ARE TO BE INSTALLED PERPENDICULAR TO WATER FLOW AND EXTEND UP SIDE SLOPES A MINIMUM OF 1 FOOT ABOVE DESIGN FLOW DEPTH. SPACE TUBES ACCORDING TO THE FOLLOWING TABLE:

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

5. STAKE SEDIMENT TUBES FOR DITCH CHECKS USING STAKES WITH A MINIMUM MEASURED DIMENSION OF 3/4" X 3/4" AND A MAXIMUM MEASURED DIMENSION OF 2" X 2", OR USING STEEL POSTS (1.25 lbs/line or foot) A MINIMUM OF 4' IN LENGTH. USE STEEL POSTS WITHOUT A KICK PLATE AND PAINTING IS NOT REQUIRED. SPACE POSTS OR STAKES ON 2' CENTERS AND DRIVE THEM INTO THE GROUND TO A DEPTH OF 2" OR TO THE MAXIMUM EXTENT PRACTICABLE. INSTALL THE STAKES ON THE DOWNSTREAM THIRD OF THE SEDIMENT TUBE. SEDIMENT TUBES FOR DITCH CHECKS WEIGHING MORE THAN 18 POUNDS PER FOOT DO NOT REQUIRE STAKING.
6. SELECT PROPER LENGTH OF TUBE TO MINIMIZE THE NUMBER NEEDED TO SPAN THE WIDTH OF DRAINAGE AREA. ONE CONTINUOUS LENGTH IS PREFERRED COMPARED TO TWO OVERLAPPING TUBES. IF NECESSARY, SEDIMENT TUBES CAN BE LAPPED A MINIMUM OF 6 INCHES TO PREVENT PASSAGE OF FLOW AND SEDIMENT THROUGH FIELD JOINT.
7. INSTALL SEDIMENT TUBES FOR DITCH CHECKS OVER BARE SOIL, MULCHED AREAS, OR EROSION CONTROL BLANKETS. KEEP SEDIMENT TUBES FOR DITCH CHECKS IN PLACE UNTIL FULLY ESTABLISHED VEGETATION AND ROOT SYSTEMS HAVE COMPLETELY DEVELOPED AND CAN SURVIVE ON THEIR OWN.
8. INSPECT SEDIMENT TUBES AFTER INSTALLATION FOR GAPS UNDER THE SEDIMENT TUBES AND FOR GAPS BETWEEN THE JOINTS OF ADJACENT ENDS OF SEDIMENT TUBES. INSPECT SEDIMENT TUBES EVERY 7 DAYS. REPAIR ALL RILLS, GULLIES, AND UNDERCUTTING NEAR SEDIMENT TUBES. REMOVE ALL SEDIMENT DEPOSITS THAT IMPAIR THE FILTRATION CAPABILITY OF SEDIMENT TUBES WHEN THE SEDIMENT REACHES 1/3 THE HEIGHT OF THE EXPOSED SEDIMENT TUBE.
9. REMOVE AND/OR REPLACE INSTALLED SEDIMENT TUBES AS REQUIRED TO ADAPT TO CHANGING CONSTRUCTION SITE CONDITIONS. REMOVE SEDIMENT TUBES WHEN THE FUNCTIONAL LONGEVITY IS EXCEEDED AS DETERMINED BY THE ENGINEER, INSPECTOR, OR MANUFACTURER'S REPRESENTATIVE. GATHER SEDIMENT TUBES AND DISPOSE OF THEM IN REGULAR MEANS AS NON-HAZARDOUS, INERT MATERIAL.
10. PRIOR TO FINAL STABILIZATION, BACKFILL ALL TRENCHES, DEPRESSIONS, AND OTHER GROUND DISTURBANCES CAUSED BY THE REMOVAL OF SEDIMENT TUBES.
11. CLEAN OUT OF TUBES WILL BE PAID FOR AS SILT BASIN IN C.Y.
12. PAYMENT SHALL INCLUDE ALL MATERIALS, LABOR, TOOLS, EQUIPMENT, MAINTENANCE, AND INCIDENTALS NECESSARY TO COMPLETE WORK.
13. PAY ITEM SHALL BE:
SEDIMENT TUBE LF



SECTION A-A

REFERENCES

NATIONAL DOCUMENTS

SCDOT DOCUMENTS

QUALIFIED PRODUCT LIST 57, SC-M-815-12

RELATED DRAWINGS & KEYWORDS

PRECONSTRUCTION SUPPORT ENGINEER

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
No. 21242
JAMES W. KENDALL, JR.

James W. Kendall, Jr.
SIGNATURE

AUGUST 23, 2012
DATE

5			
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UPDATED NOTES:
1 8/2012 DSO WOOD TEXT REMOVED
0 3/2008 DSO GENERAL REVISIONS

#	DATE	CHK	DESCRIPTION
1	8/2012	DSO	WOOD TEXT REMOVED
0	3/2008	DSO	GENERAL REVISIONS

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

SEDIMENT TUBE DITCH APPLICATION

815-205-00
EFFECTIVE LETTING DATE | JAN 2013

SEDIMENT TUBES

Z:\Projects\14-37\11 Office Park-Pope\NO\Plans\SHT_EC DETAIL_4.dgn 8/10/2016

FOR INFORMATION ONLY

INFRASTRUCTURE CONSULTING & ENGINEERING

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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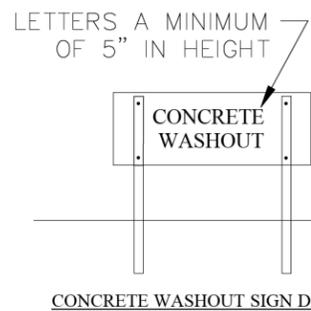
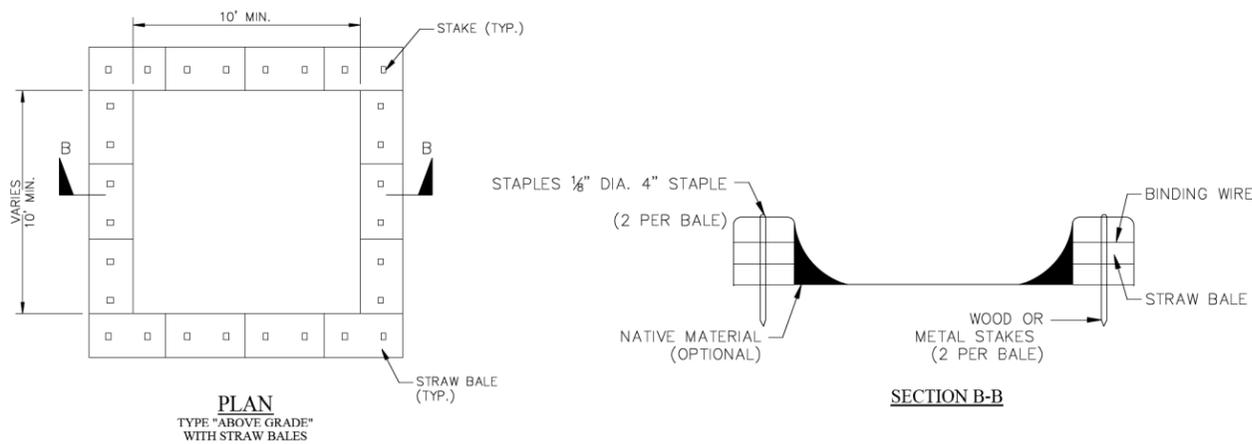


TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

EROSION CONTROL DETAILS

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

STRAW BALE BARRIER CONCRETE WASHOUT



NOTES:

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

South Carolina Department of Health and Environmental Control

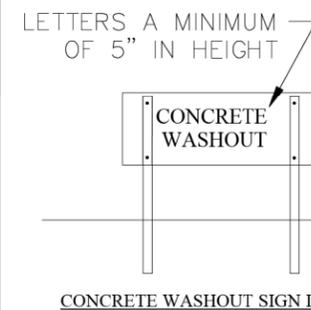
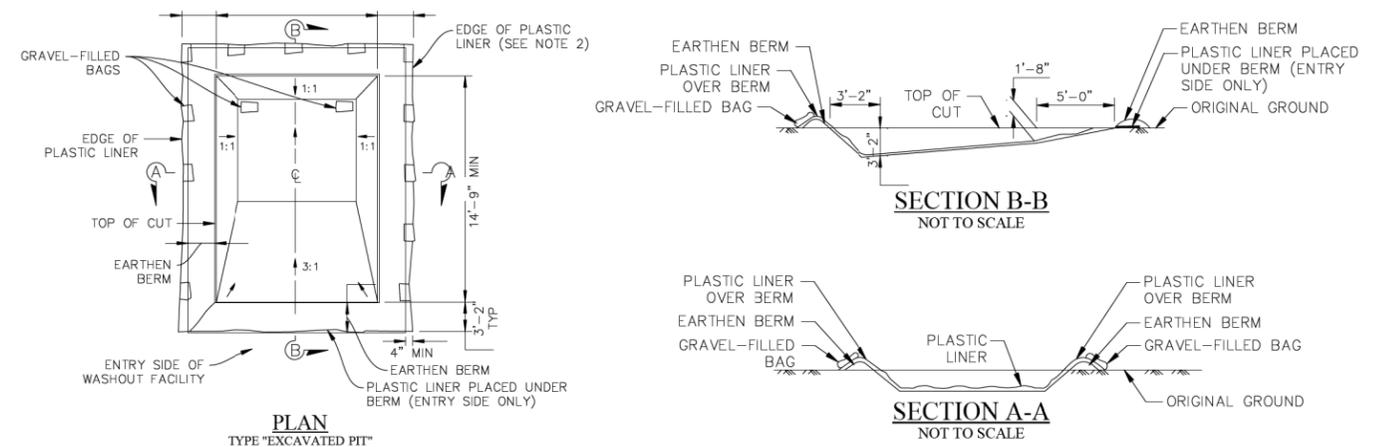
CONCRETE WASHOUT
STRAW BALES OR ABOVE GROUND

STANDARD DRAWING NO. RC-07 PAGE 1 of 1

NOT TO SCALE

FEBRUARY 2014
DATE

EXCAVATED PIT CONCRETE WASHOUT



NOTES:

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

South Carolina Department of Health and Environmental Control

CONCRETE WASHOUT
EXCAVATED PIT

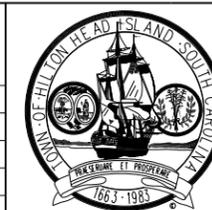
STANDARD DRAWING NO. RC-08 PAGE 1 of 1

NOT TO SCALE

FEBRUARY 2014
DATE

CONCRETE WASH-OUT DETAIL

FOR INFORMATION ONLY



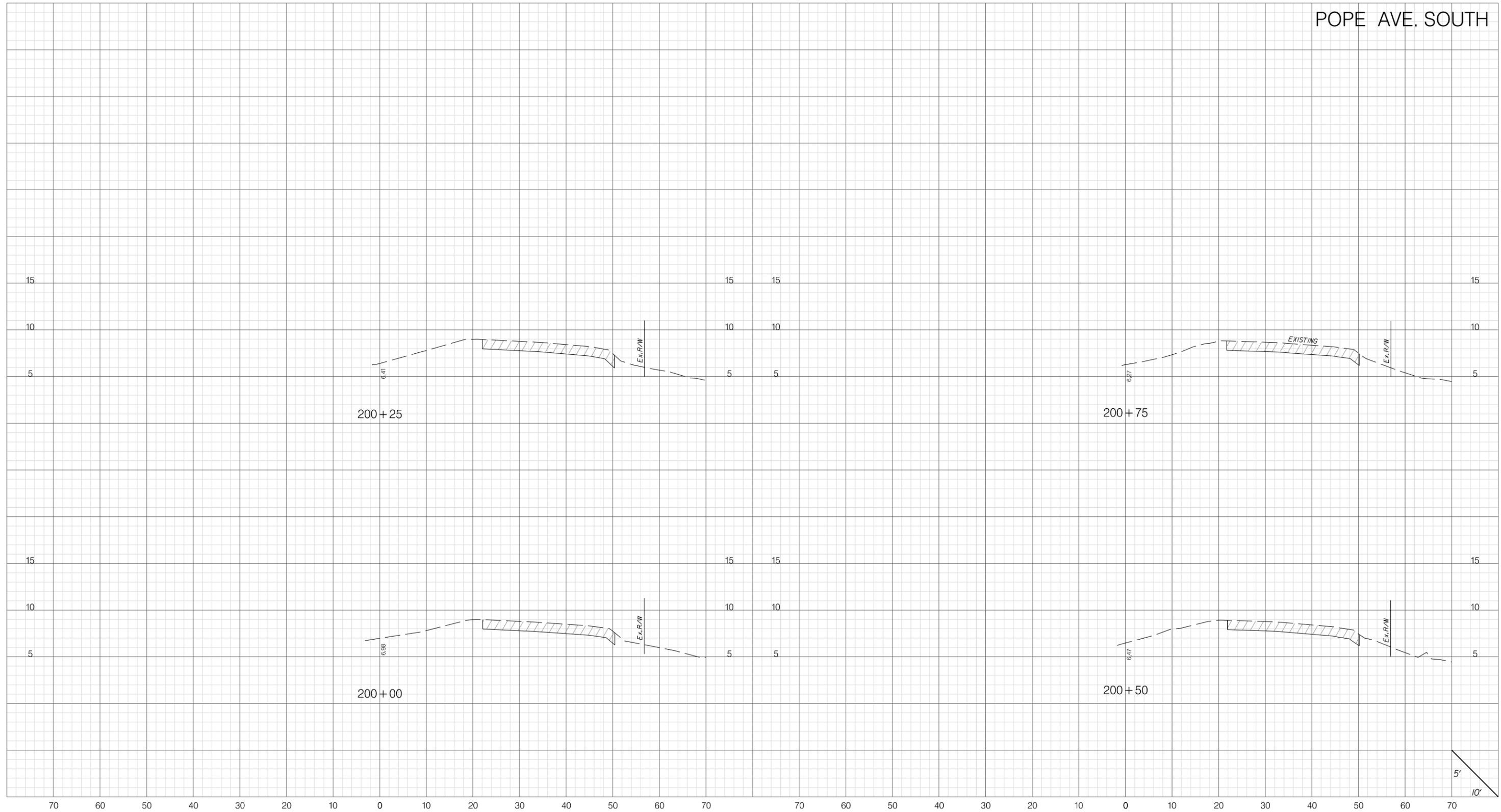
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

EROSION CONTROL DETAILS

POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

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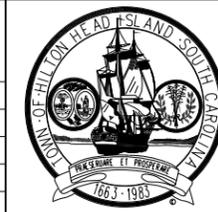
POPE AVE. SOUTH



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NOT FOR CONSTRUCTION



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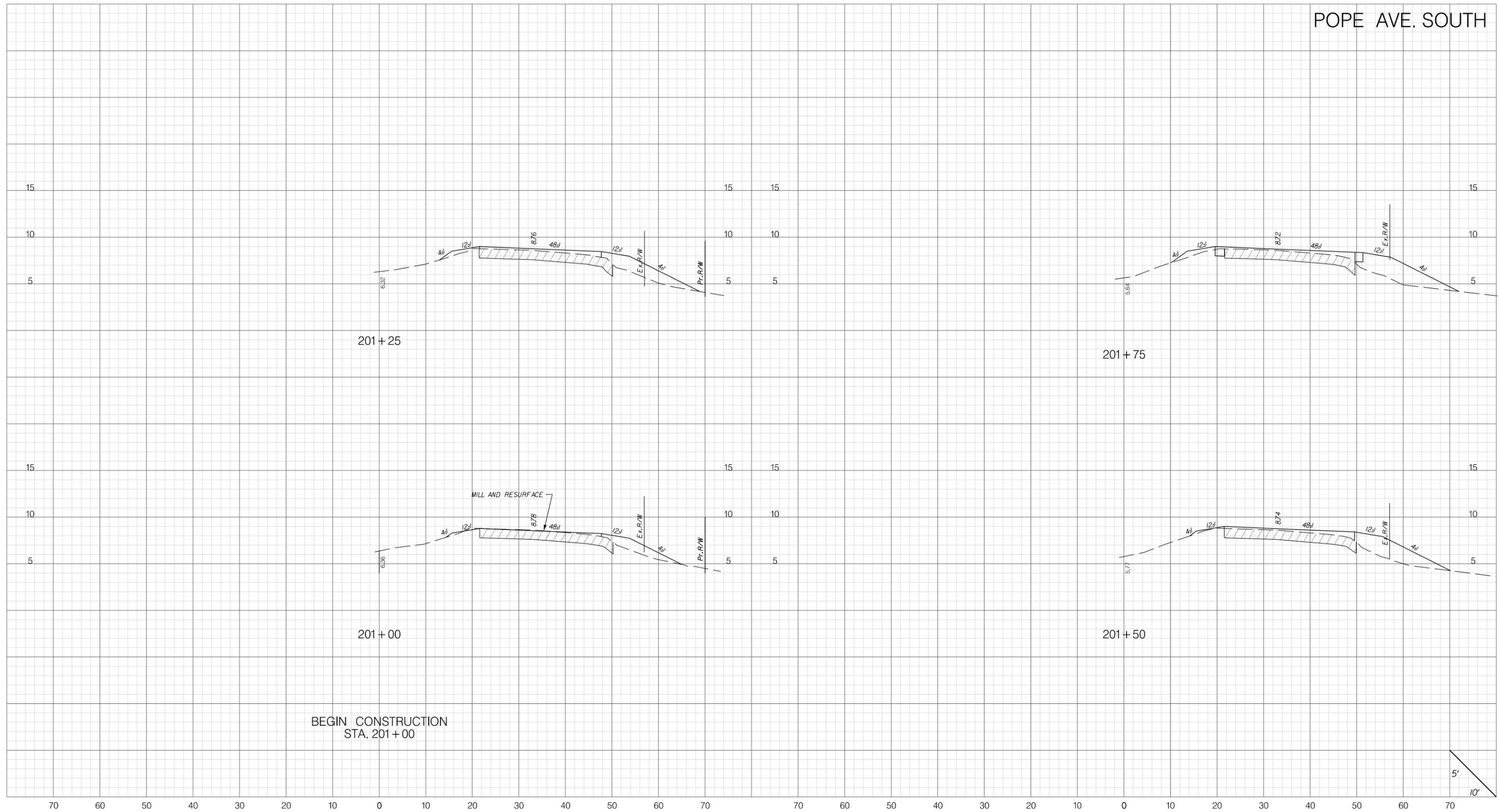


TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

POPE AVE/OFFICE PARK ROAD
ROADWAY AND DRAINAGE IMPROVEMENTS

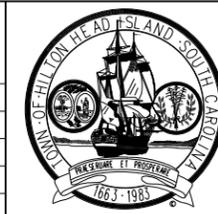
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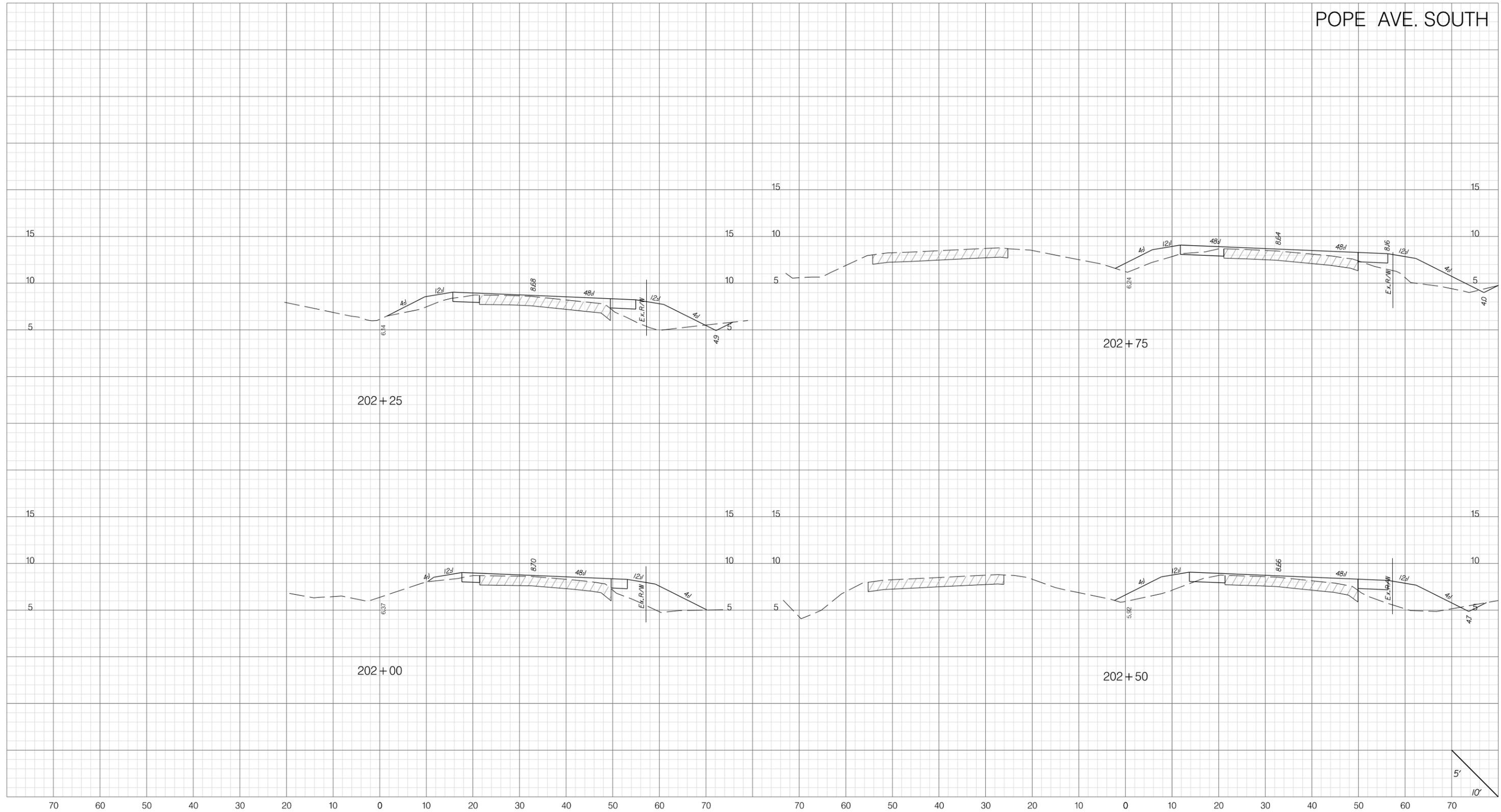


TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

POPE AVE/OFFICE PARK ROAD
ROADWAY AND DRAINAGE IMPROVEMENTS

POPE AVE. SOUTH



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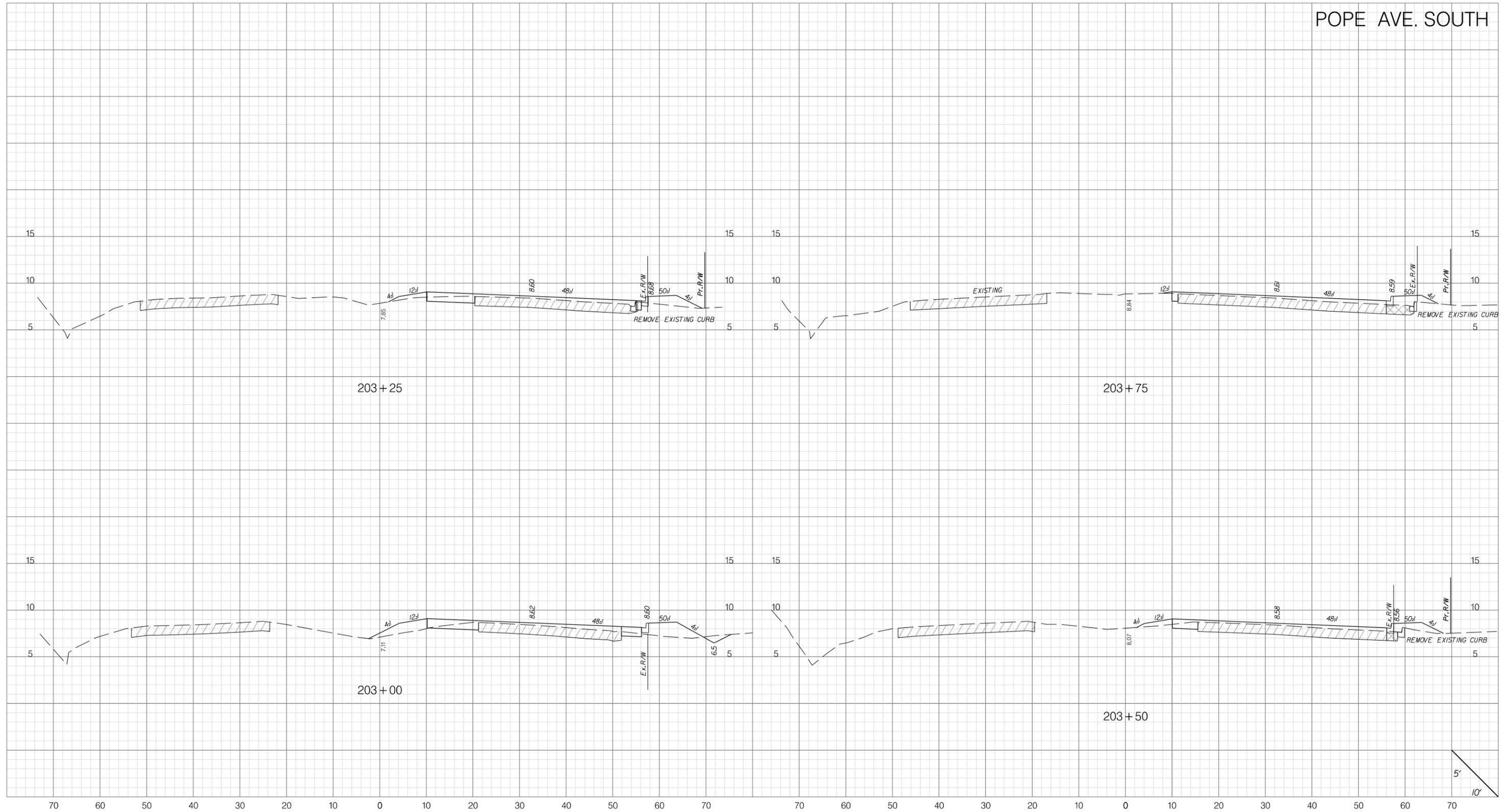
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

POPE AVE/OFFICE PARK ROAD
ROADWAY AND DRAINAGE IMPROVEMENTS

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8/10/2016

POPE AVE. SOUTH



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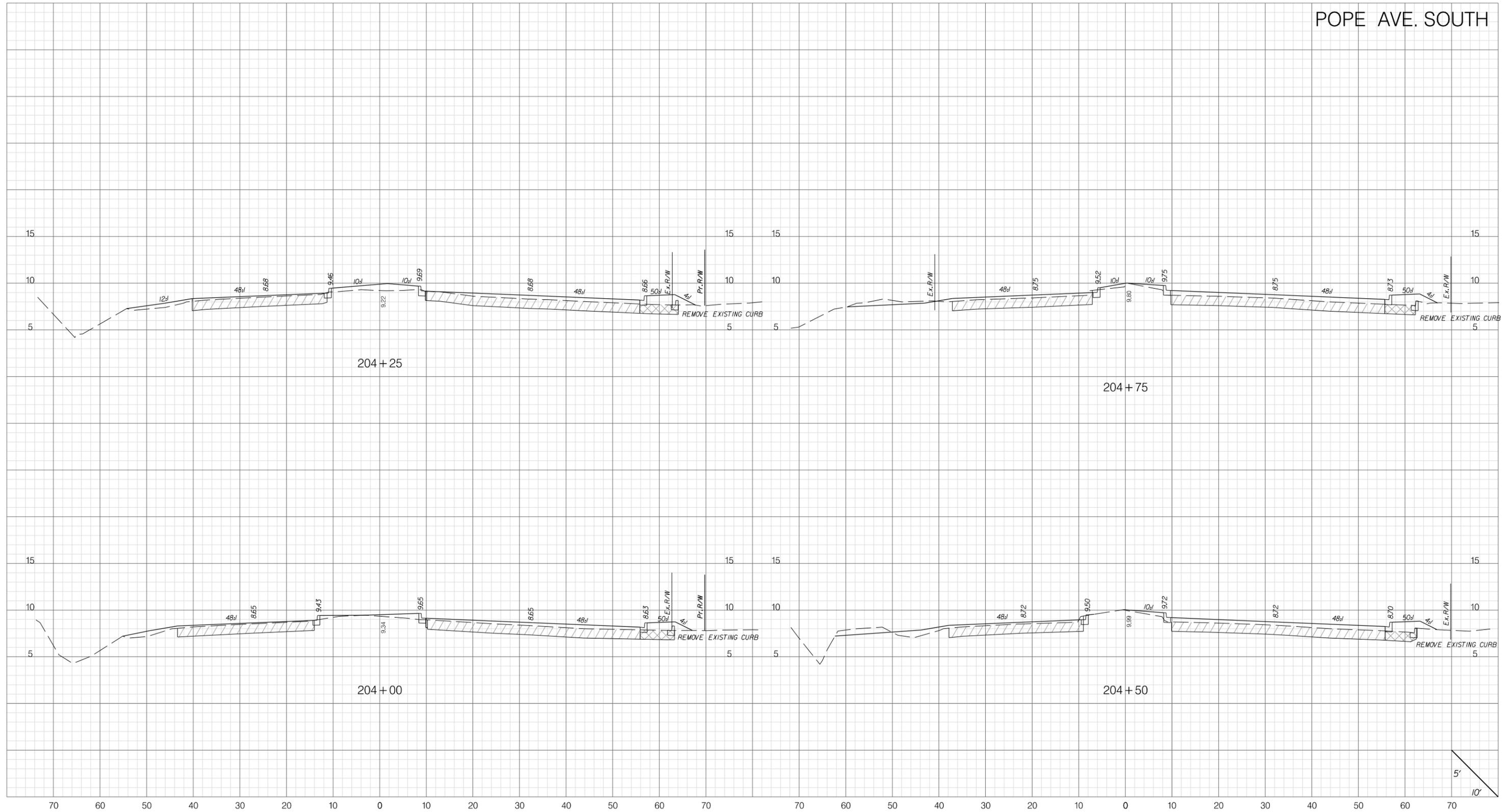
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

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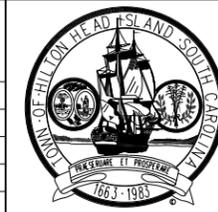
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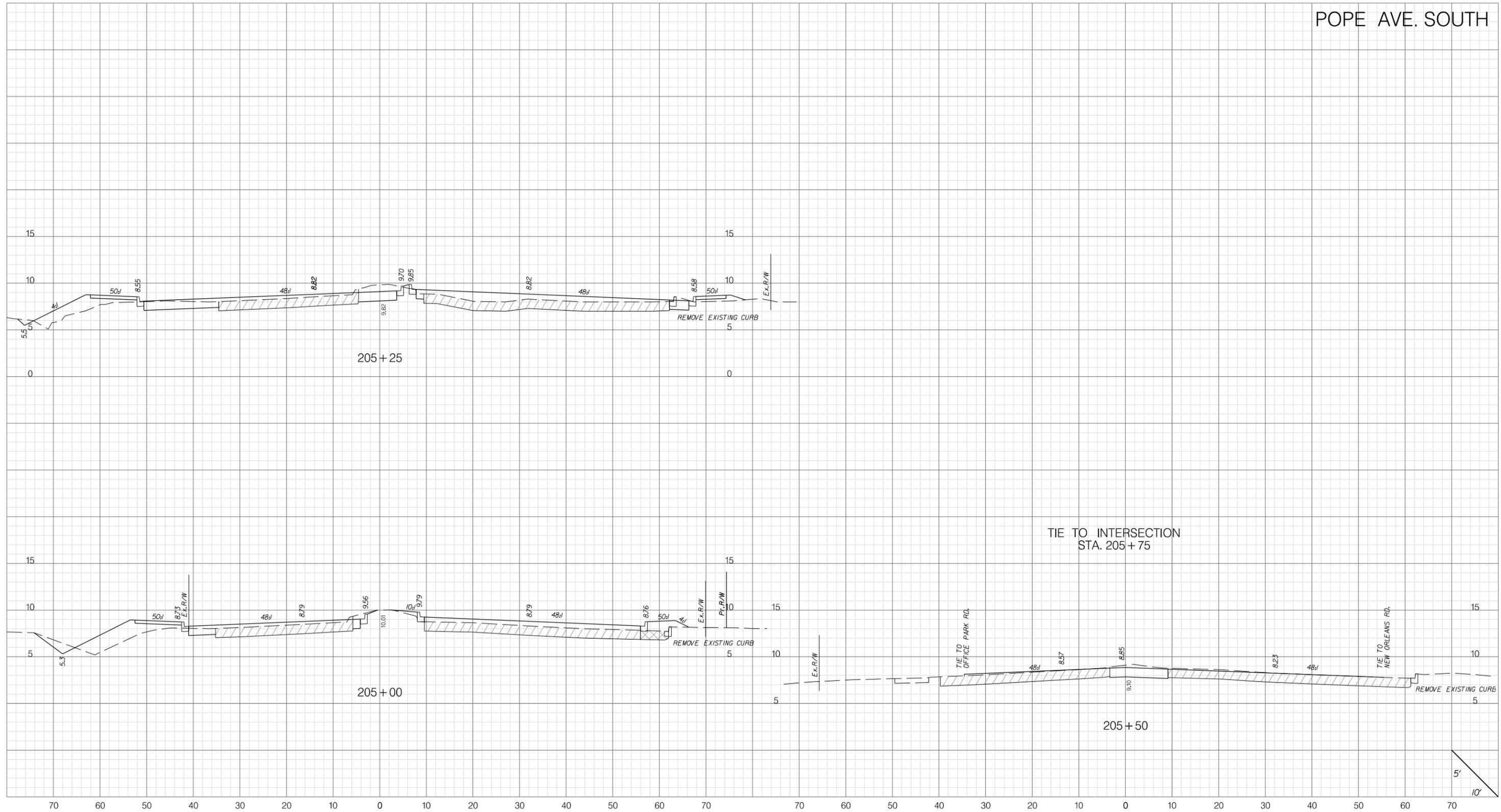


TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

POPE AVE/OFFICE PARK ROAD
ROADWAY AND DRAINAGE IMPROVEMENTS

POPE AVE. SOUTH



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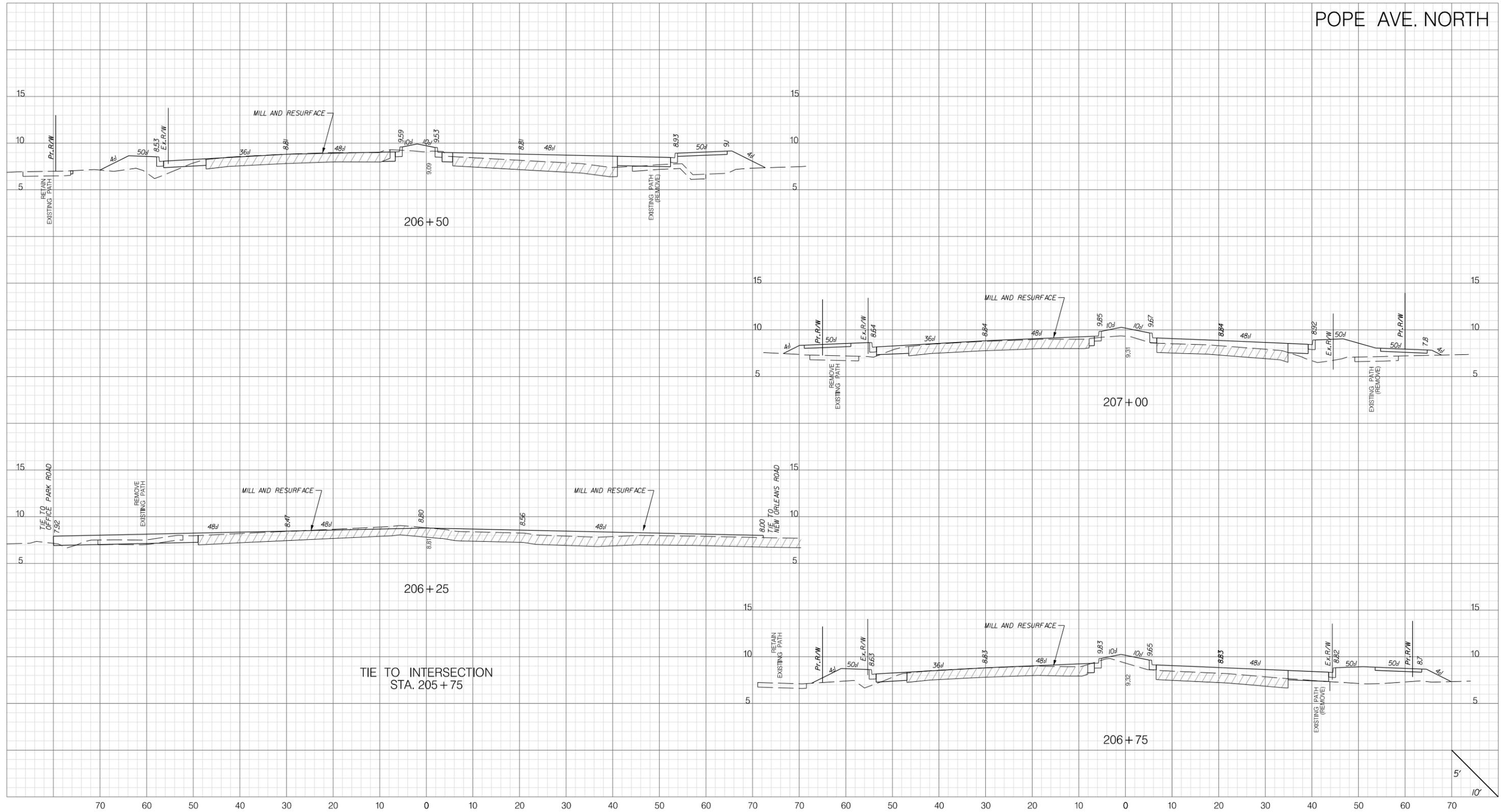
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

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ROADWAY AND DRAINAGE IMPROVEMENTS

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POPE AVE. NORTH



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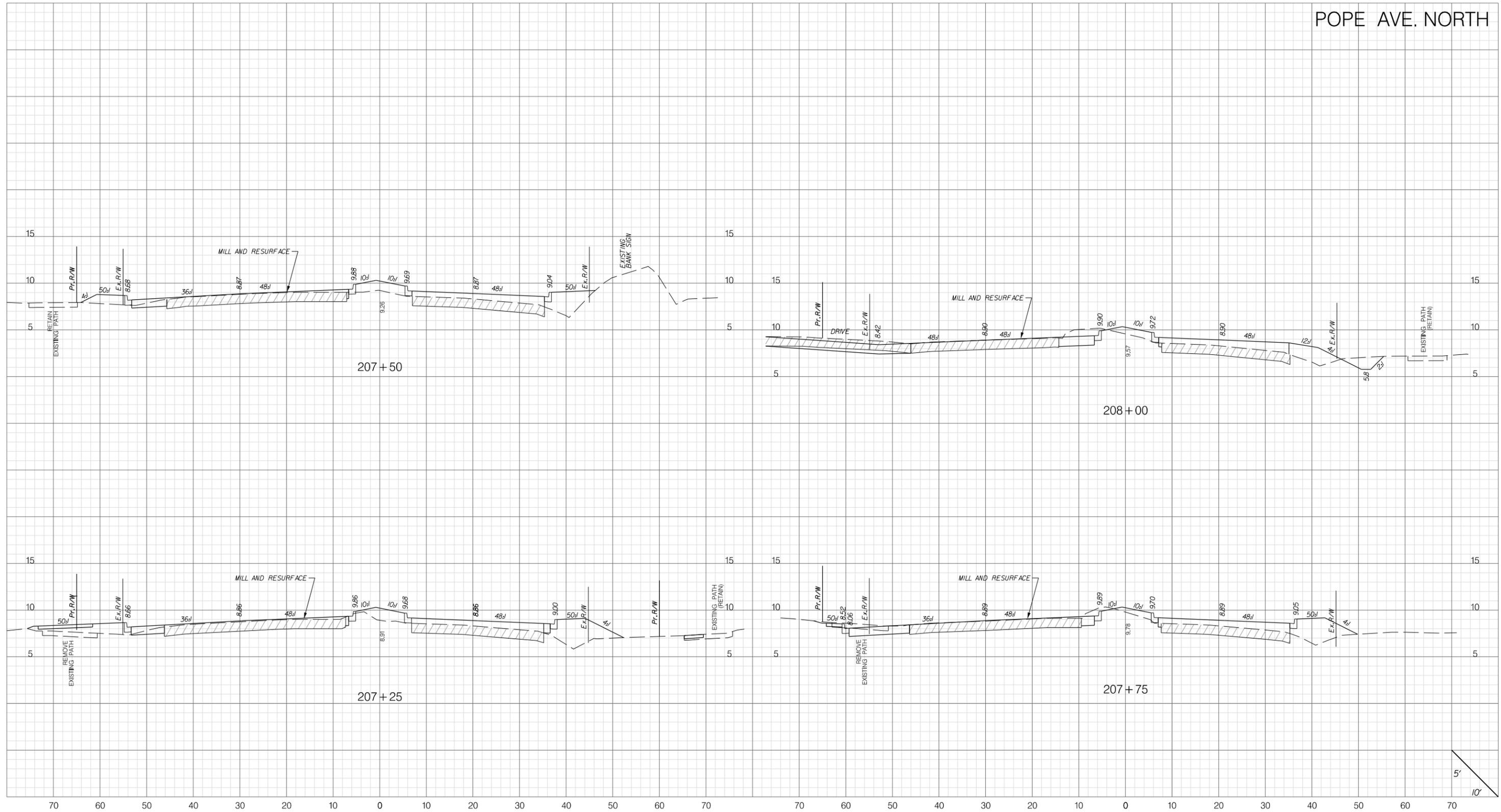
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

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POPE AVE. NORTH



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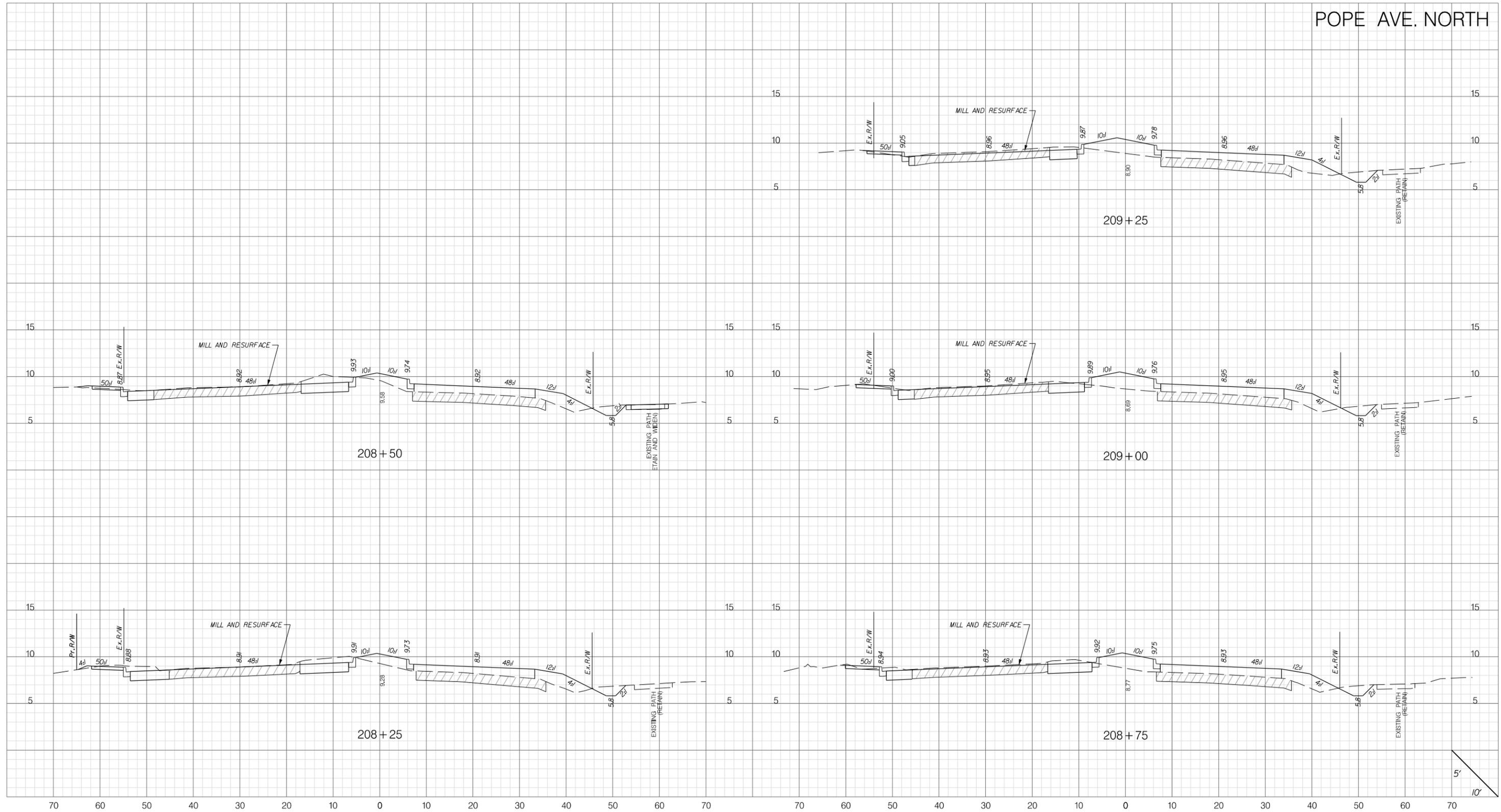
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

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8/10/2016

POPE AVE. NORTH



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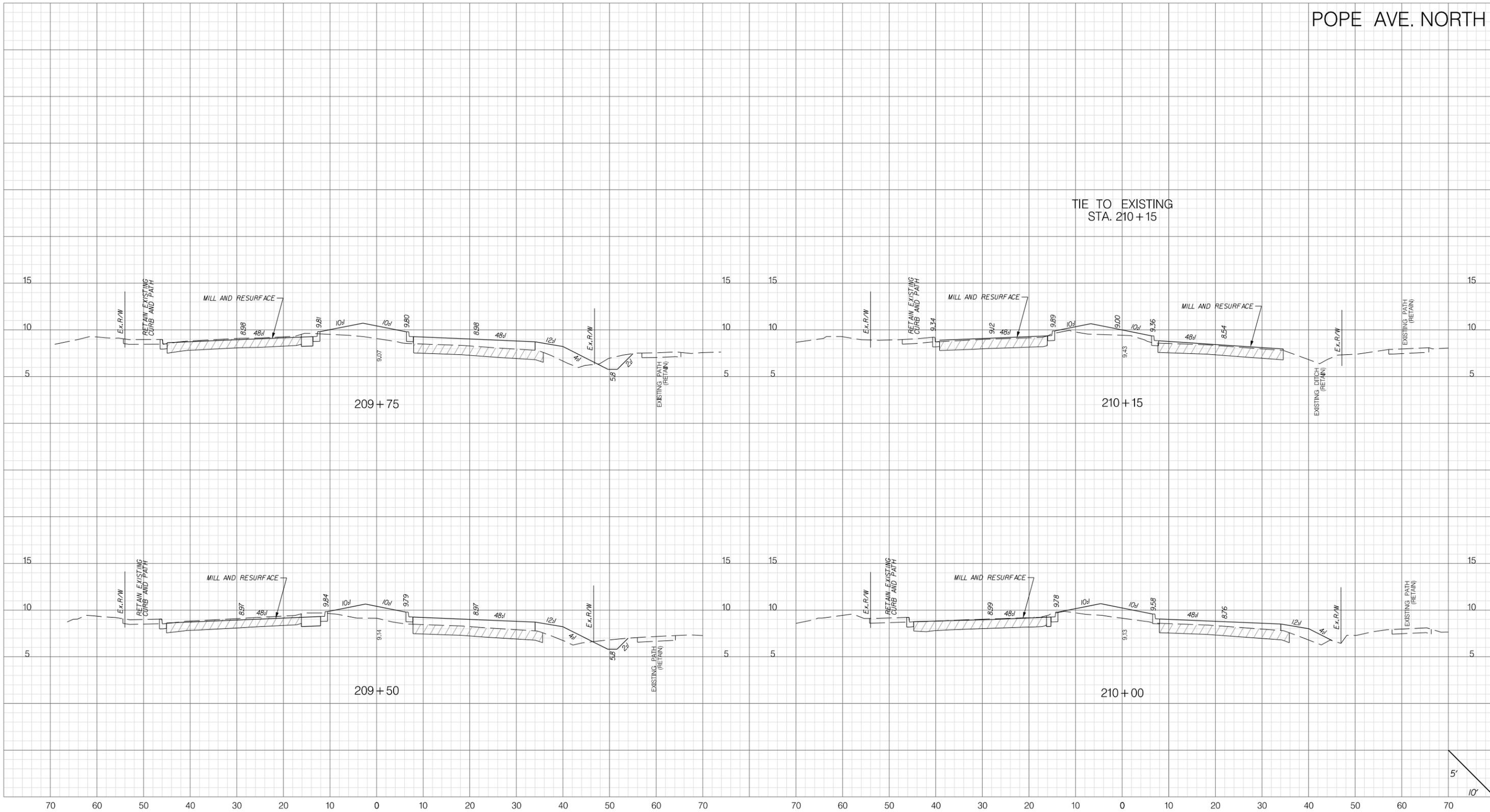
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

POPE AVE/OFFICE PARK ROAD
ROADWAY AND DRAINAGE IMPROVEMENTS

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POPE AVE. NORTH



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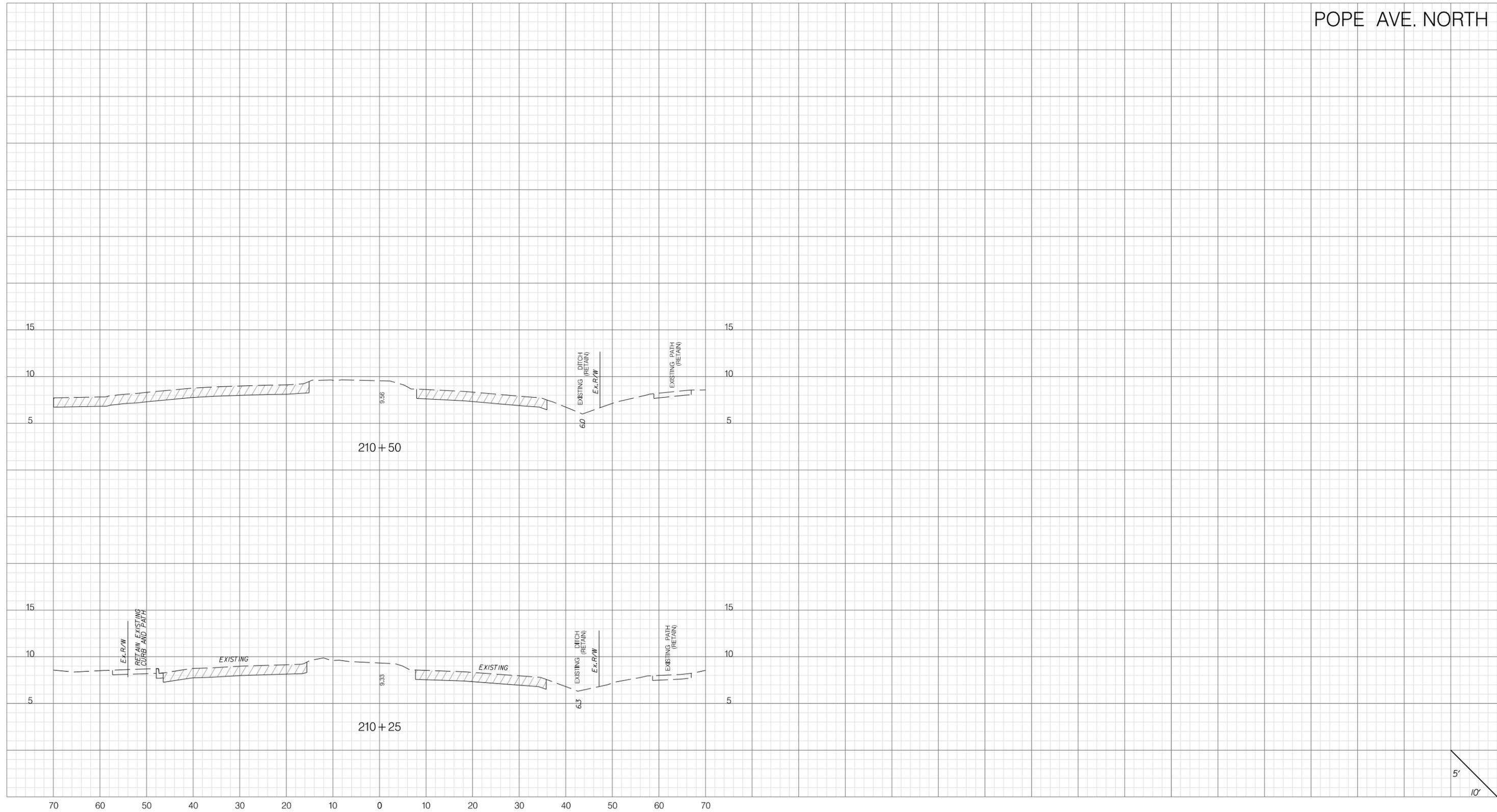
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

POPE AVE/OFFICE PARK ROAD
ROADWAY AND DRAINAGE IMPROVEMENTS

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POPE AVE. NORTH

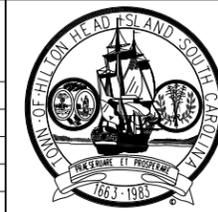


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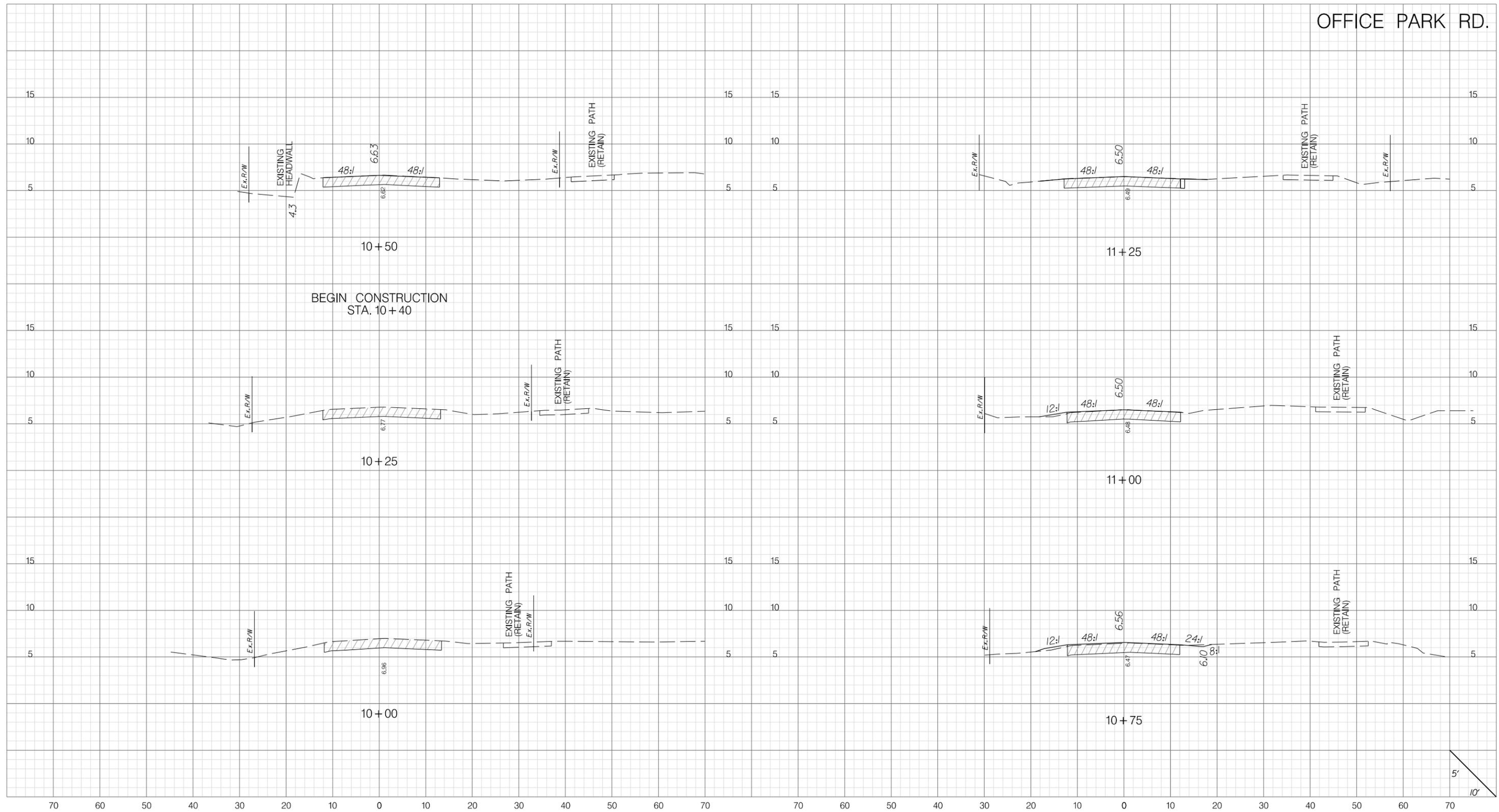
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

POPE AVE/OFFICE PARK ROAD
ROADWAY AND DRAINAGE IMPROVEMENTS

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OFFICE PARK RD.

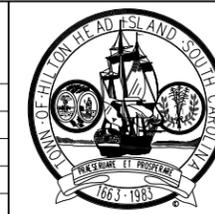


BEGIN CONSTRUCTION
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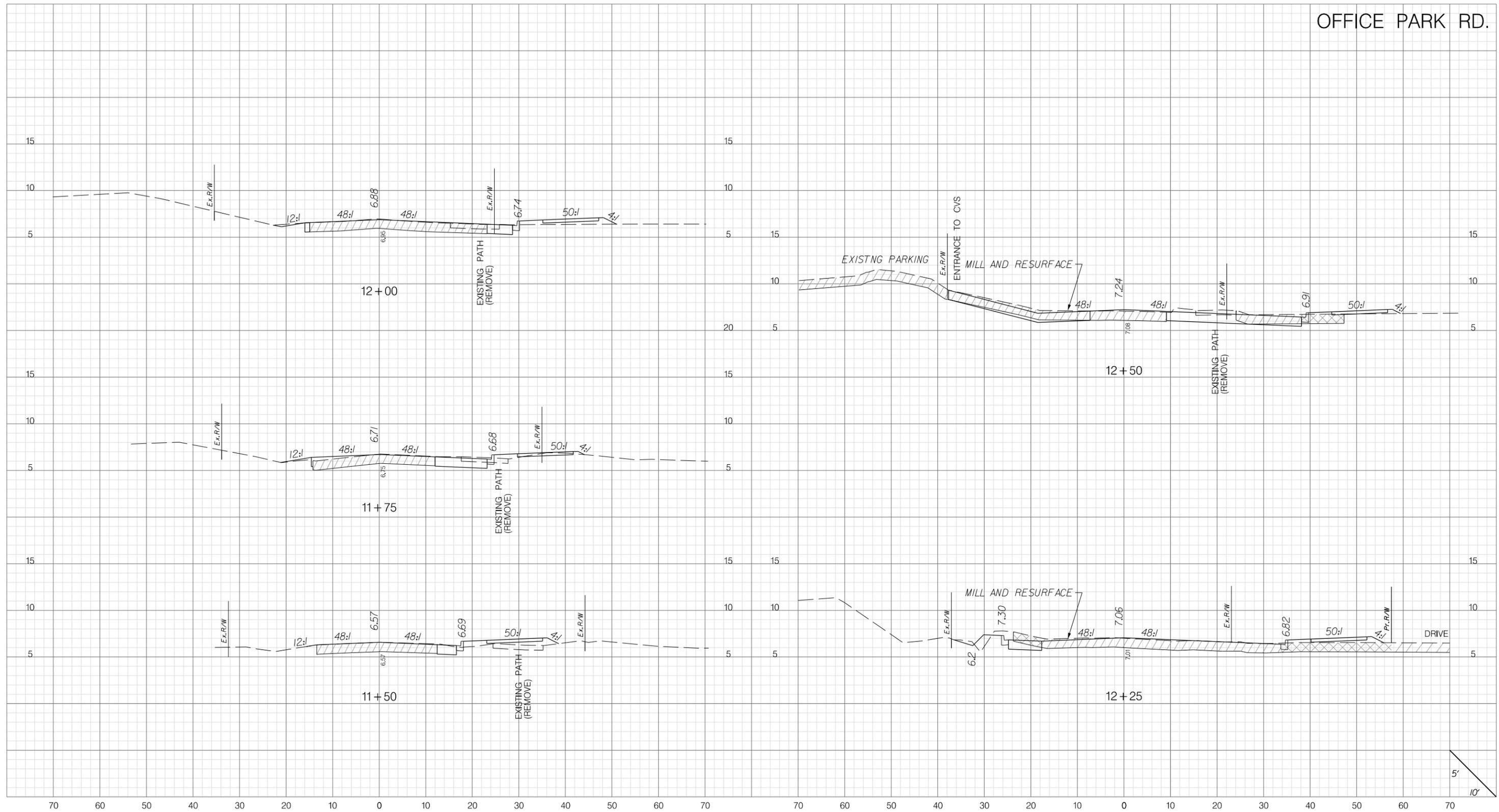


TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

POPE AVE/OFFICE PARK ROAD
ROADWAY AND DRAINAGE IMPROVEMENTS

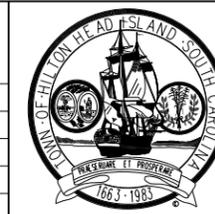
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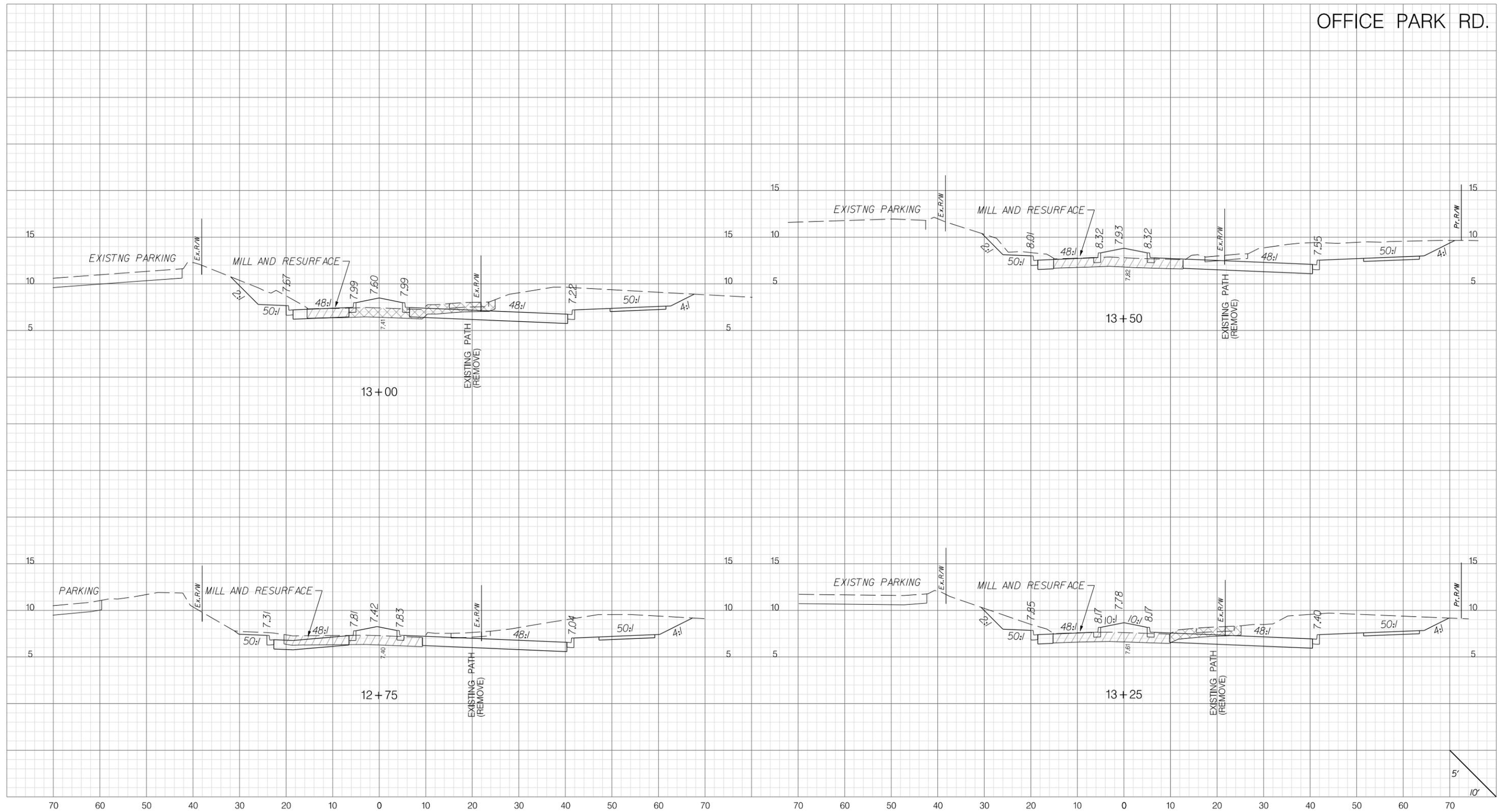
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

POPE AVE/OFFICE PARK ROAD
ROADWAY AND DRAINAGE IMPROVEMENTS

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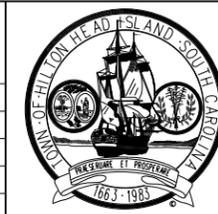
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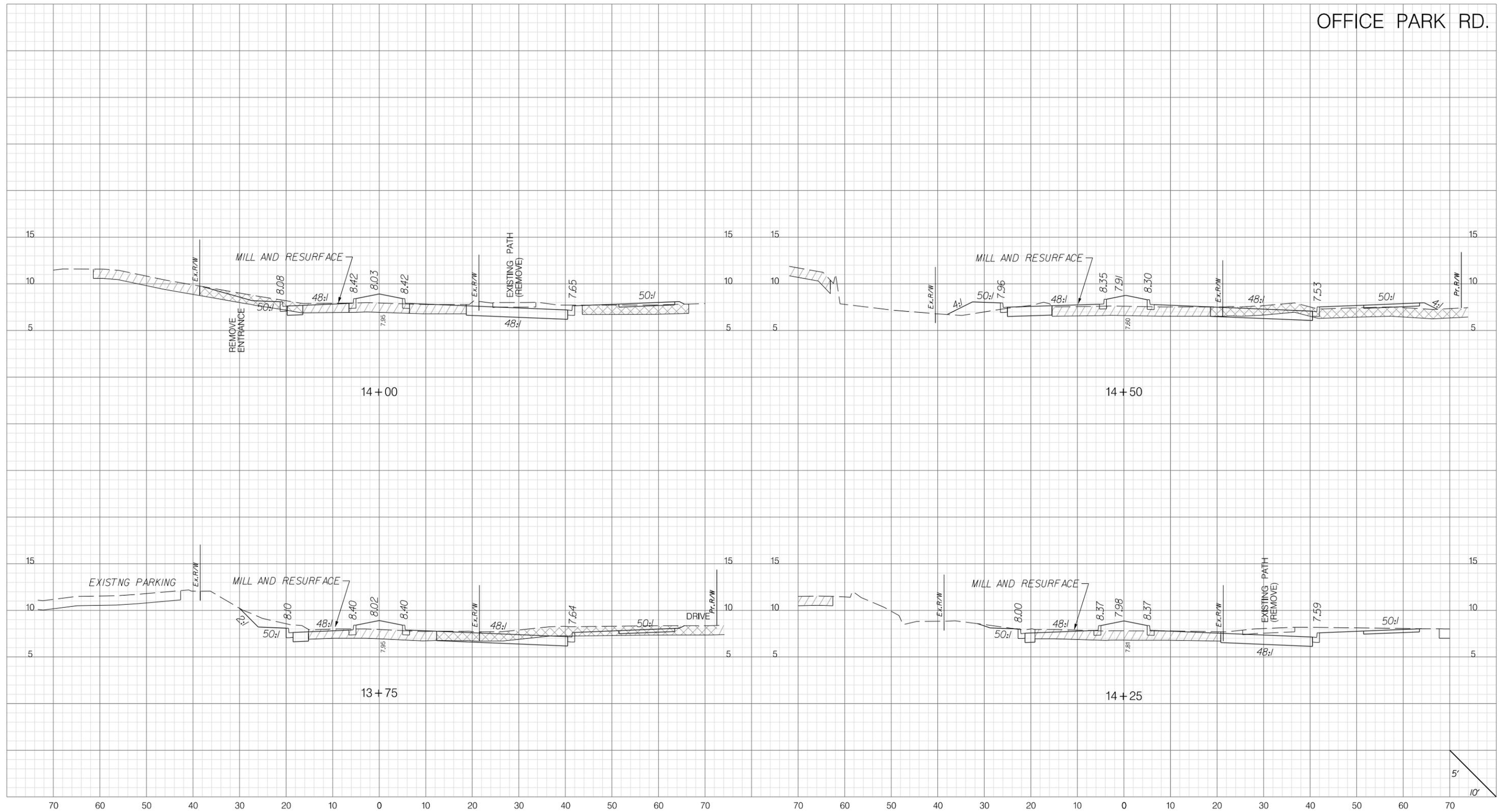


TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

POPE AVE/OFFICE PARK ROAD
ROADWAY AND DRAINAGE IMPROVEMENTS

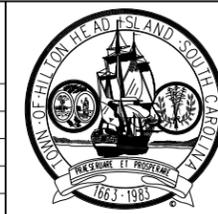
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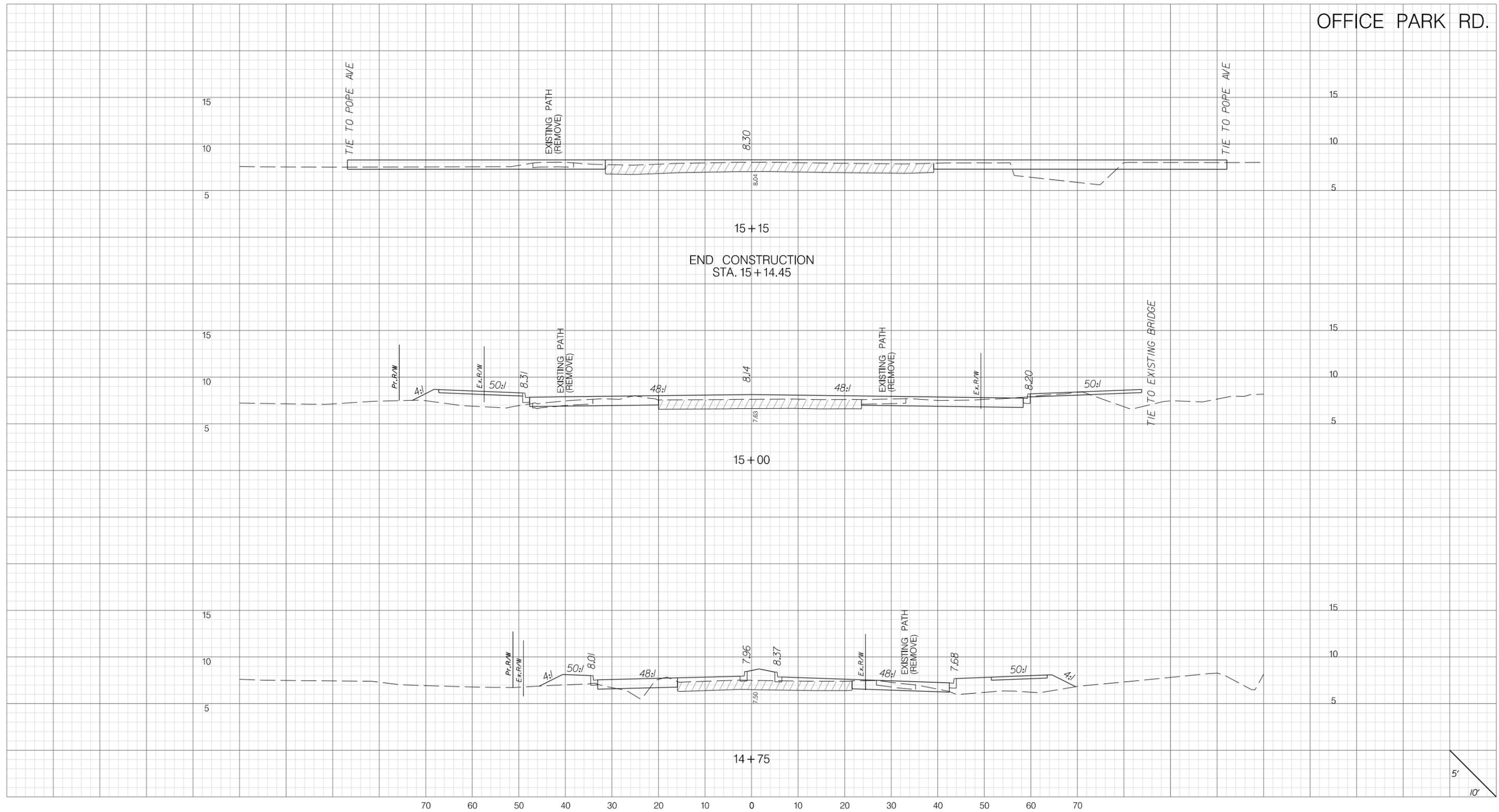


TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

POPE AVE/OFFICE PARK ROAD
ROADWAY AND DRAINAGE IMPROVEMENTS

OFFICE PARK RD.



5'
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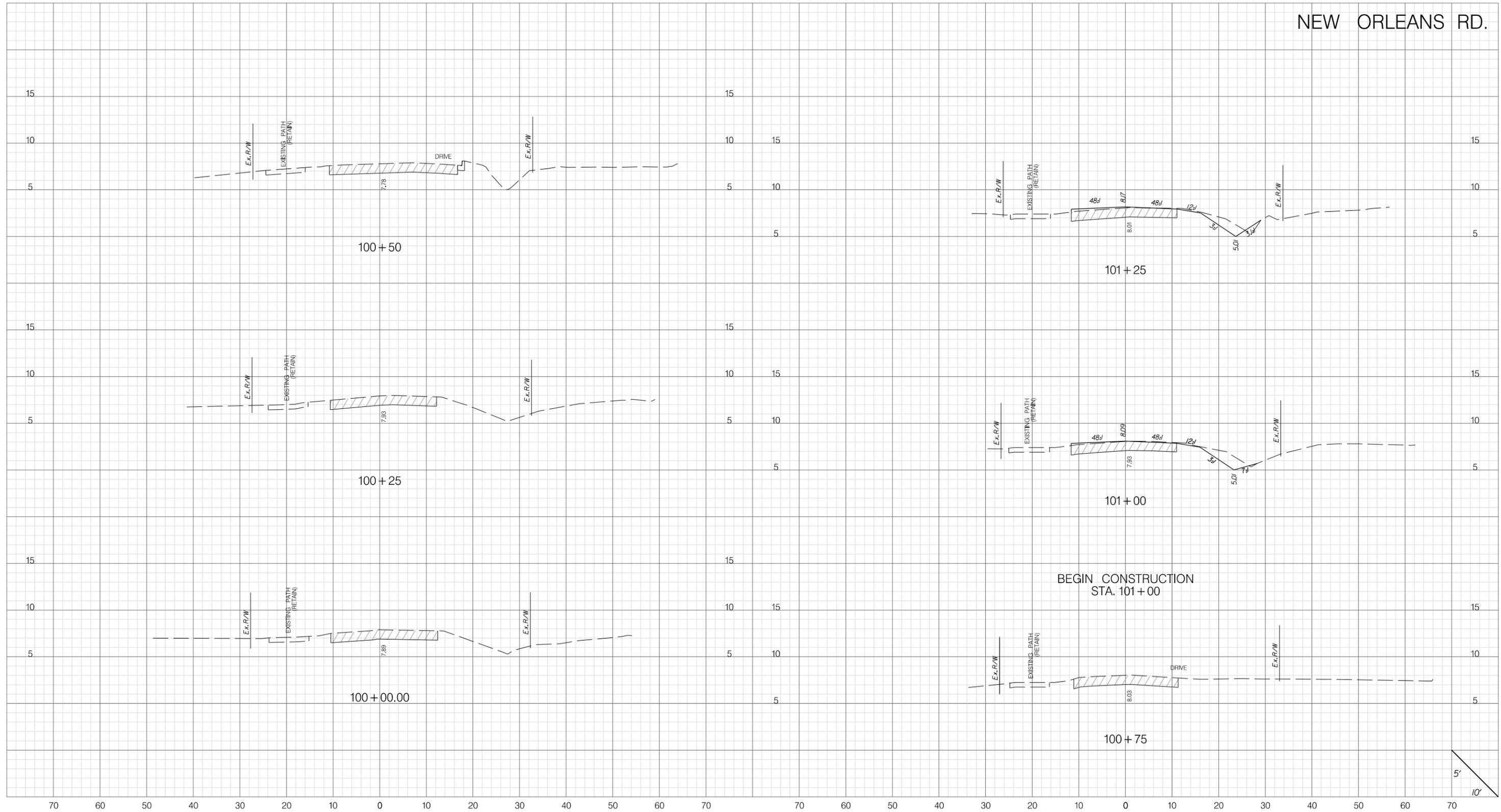
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

POPE AVE/OFFICE PARK ROAD
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NEW ORLEANS RD.



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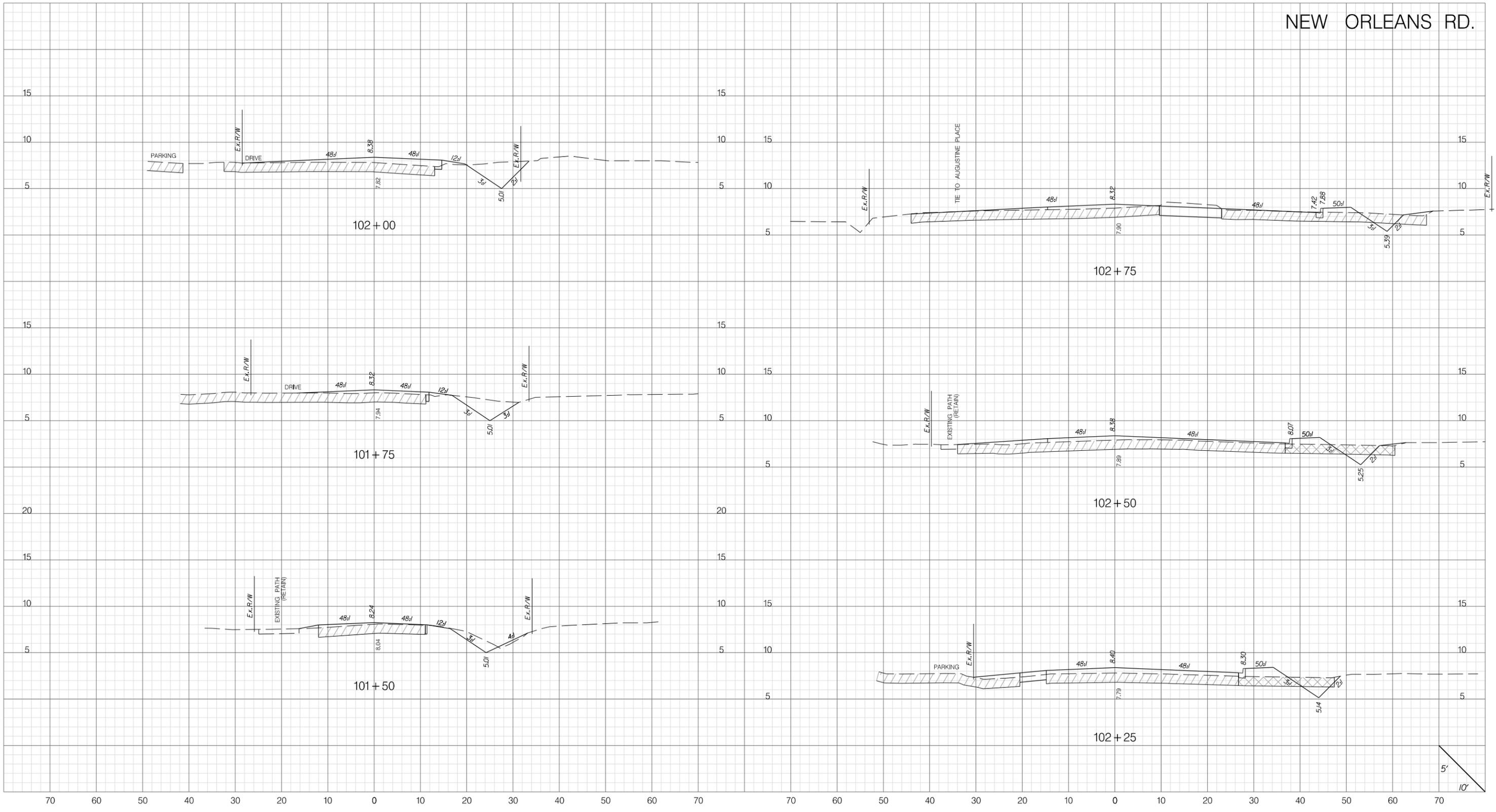
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

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ROADWAY AND DRAINAGE IMPROVEMENTS

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NEW ORLEANS RD.



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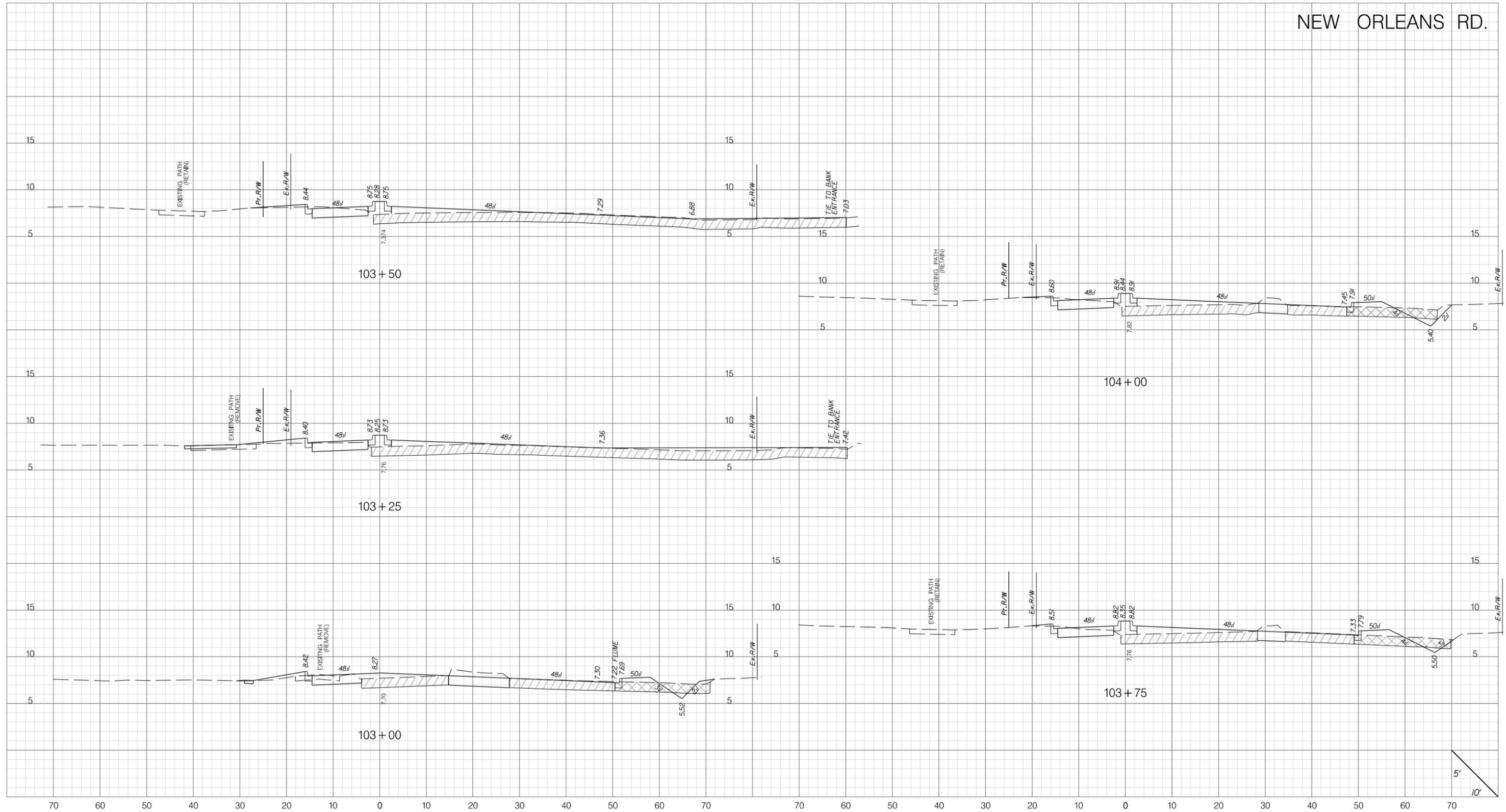
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

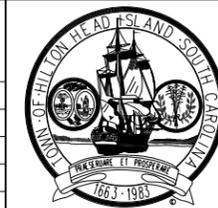
NEW ORLEANS RD/OFFICE PARK ROAD
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NEW ORLEANS RD.



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TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

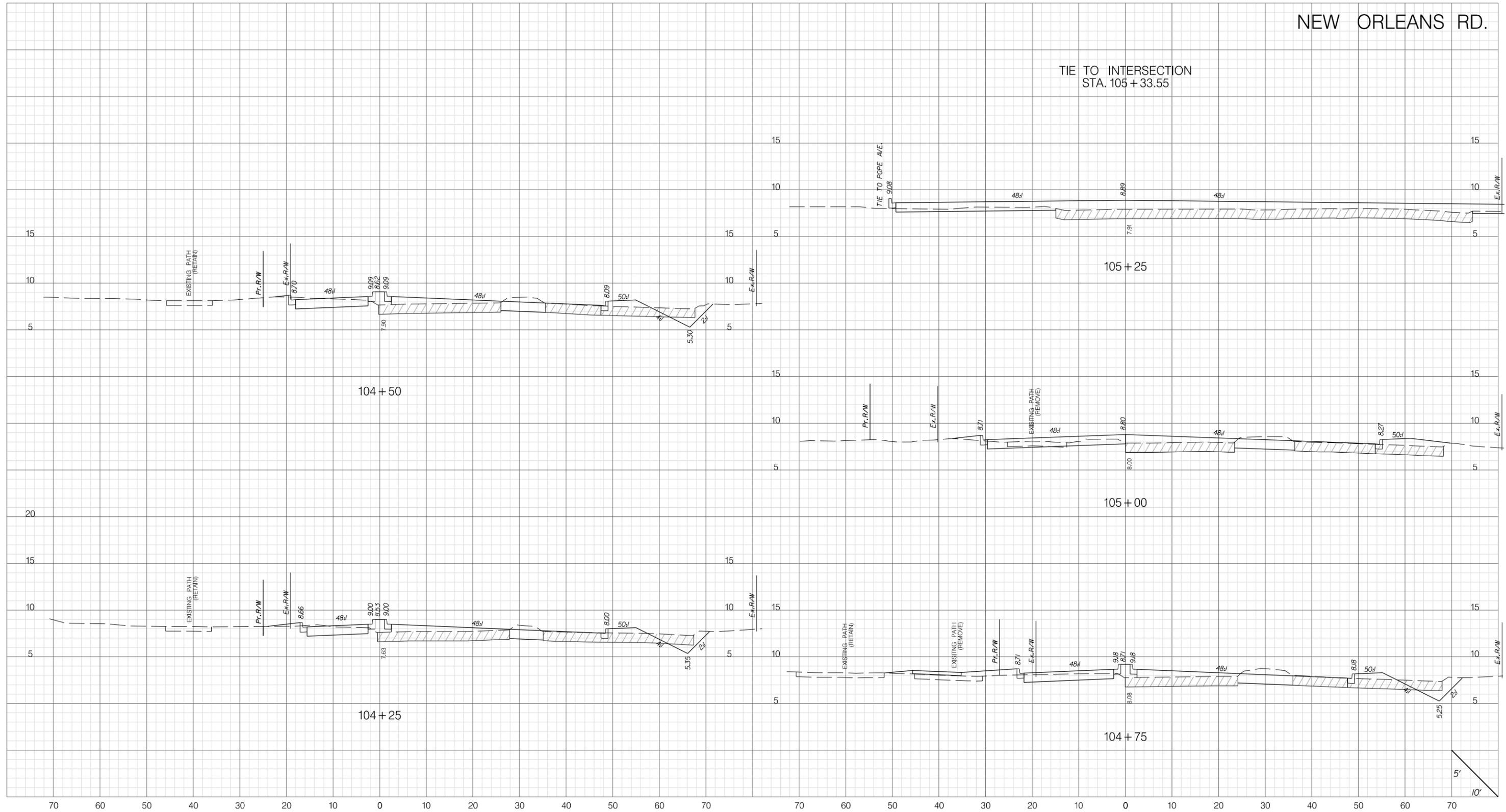
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ROADWAY AND DRAINAGE IMPROVEMENTS

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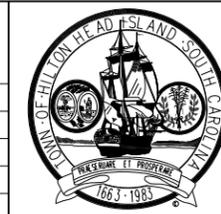
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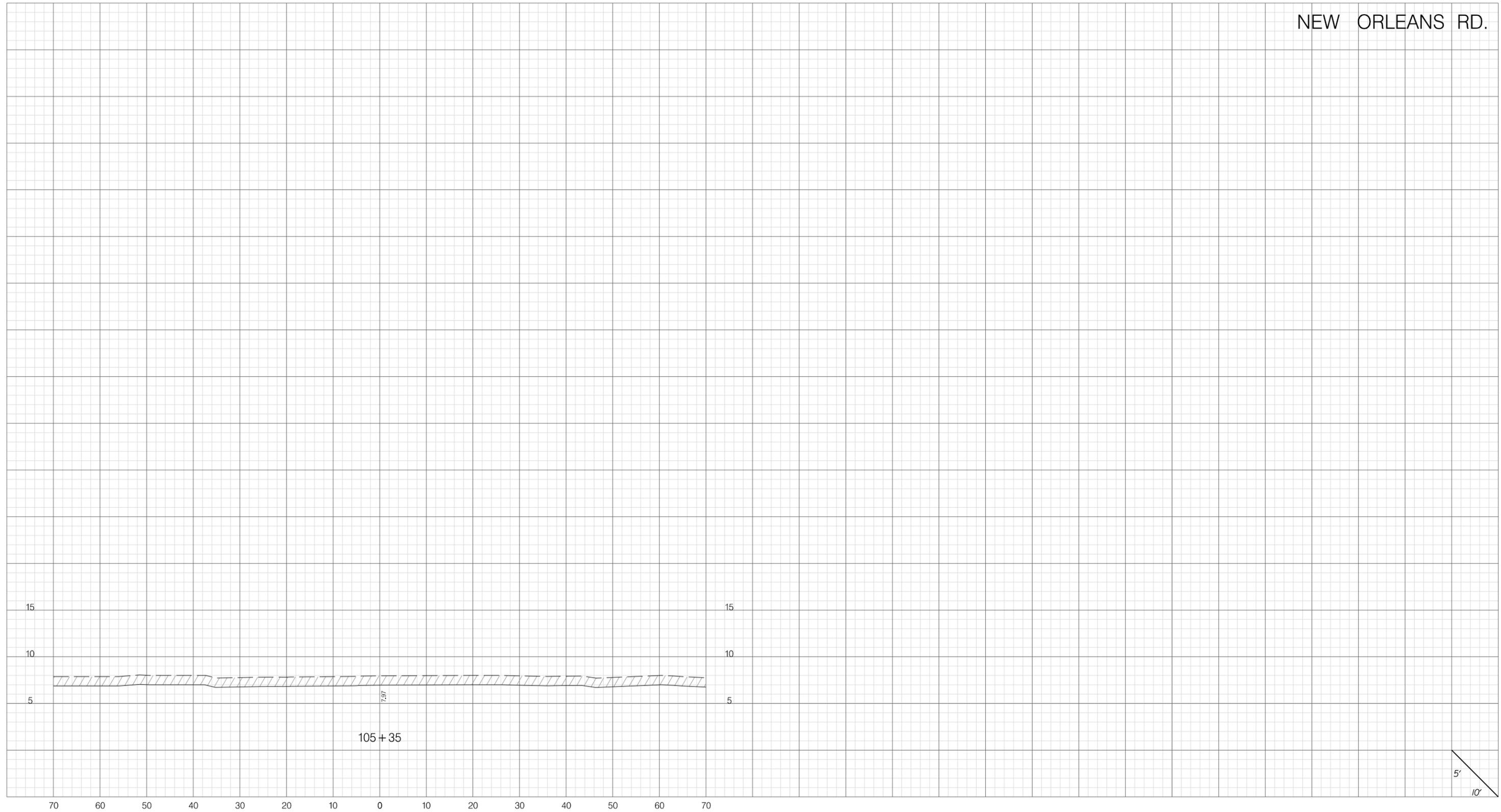


TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

NEW ORLEANS RD/OFFICE PARK ROAD
ROADWAY AND DRAINAGE IMPROVEMENTS

NEW ORLEANS RD.



105 + 35

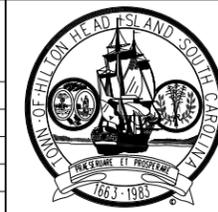
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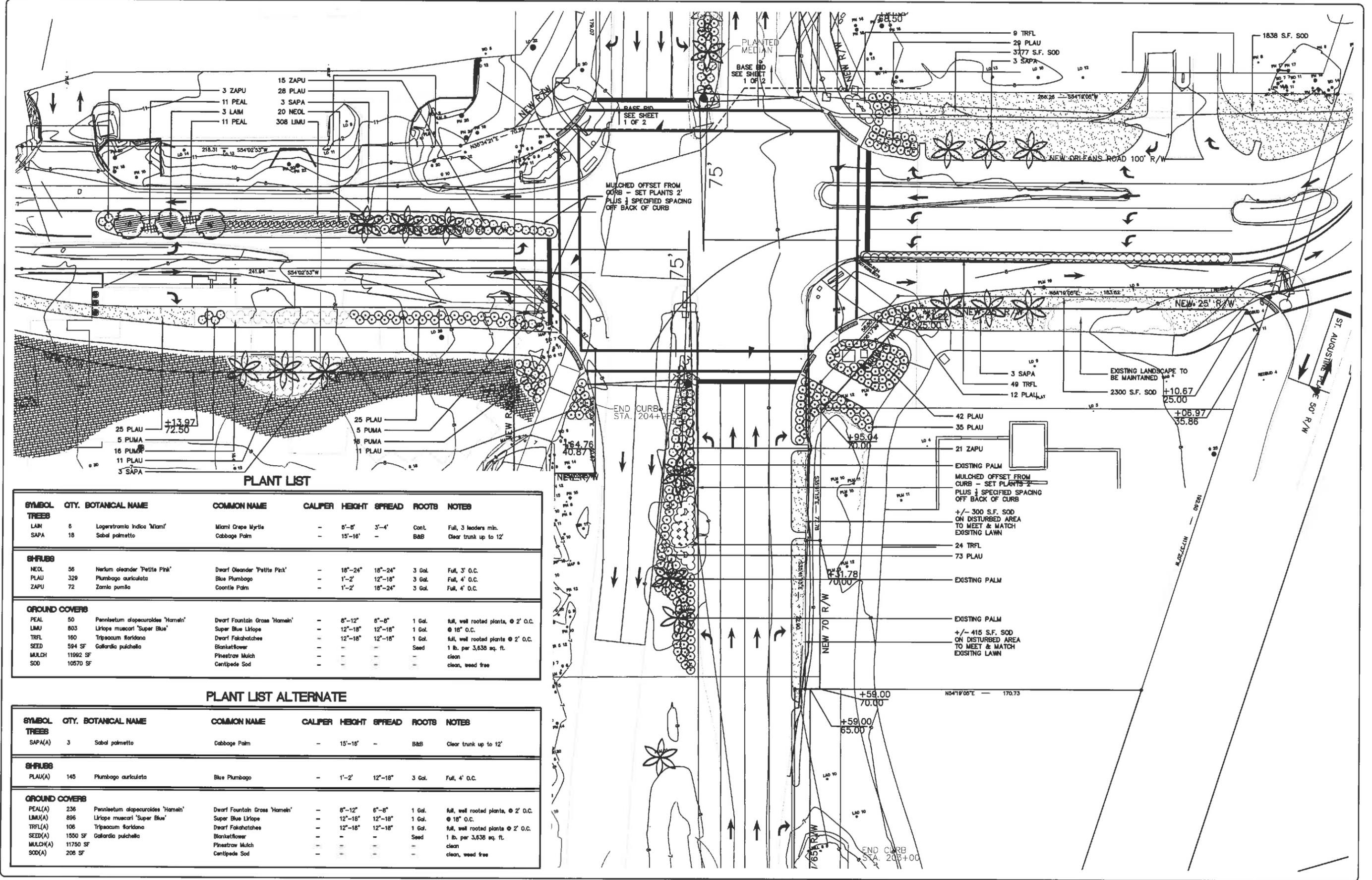
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TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

CROSS SECTIONS

NEW ORLEANS RD/OFFICE PARK ROAD
ROADWAY AND DRAINAGE IMPROVEMENTS



PLANT LIST

SYMBOL	QTY.	BOTANICAL NAME	COMMON NAME	CALIPER	HEIGHT	SPREAD	ROOTS	NOTES
TREES								
LAM	5	Lagerstromia Indica 'Miami'	Miami Crape Myrtle	-	8'-8'	3'-4'	ConL	Full, 3 leaders min.
SAPA	18	Sabal palmetto	Cabbage Palm	-	15'-18'	-	B&B	Clear trunk up to 12'
SHRUBS								
NEOL	56	Nerium oleander 'Petite Pink'	Dwarf Oleander 'Petite Pink'	-	18"-24"	18"-24"	3 Gal.	Full, 3" O.C.
PLAU	329	Plumbago auriculata	Blue Plumbago	-	1'-2'	12"-18"	3 Gal.	Full, 4" O.C.
ZAPU	72	Zamia pumila	Coontie Palm	-	1'-2'	18"-24"	3 Gal.	Full, 4" O.C.
GROUND COVERS								
PEAL	50	Pennisetum alopecuroides 'Hameln'	Dwarf Fountain Grass 'Hameln'	-	8"-12"	8"-8"	1 Gal.	Full, well rooted plants, @ 2' O.C.
LIMU	803	Liriope muscari 'Super Blue'	Super Blue Liriope	-	12"-18"	12"-18"	1 Gal.	@ 18" O.C.
TRFL	150	Tripsacum floridana	Dwarf Fakahatchee	-	12"-18"	12"-18"	1 Gal.	Full, well rooted plants @ 2' O.C.
SEED	594 SF	Gallardia pulchella	Blanketflower	-	-	-	Seed	1 lb. per 3,638 sq. ft.
MULCH	11992 SF	-	Pinestraw Mulch	-	-	-	-	clean
SOD	10570 SF	-	Centipede Sod	-	-	-	-	clean, weed free

PLANT LIST ALTERNATE

SYMBOL	QTY.	BOTANICAL NAME	COMMON NAME	CALIPER	HEIGHT	SPREAD	ROOTS	NOTES
TREES								
SAPA(A)	3	Sabal palmetto	Cabbage Palm	-	15'-18'	-	B&B	Clear trunk up to 12'
SHRUBS								
PLAU(A)	145	Plumbago auriculata	Blue Plumbago	-	1'-2'	12"-18"	3 Gal.	Full, 4" O.C.
GROUND COVERS								
PEAL(A)	236	Pennisetum alopecuroides 'Hameln'	Dwarf Fountain Grass 'Hameln'	-	8"-12"	8"-8"	1 Gal.	Full, well rooted plants, @ 2' O.C.
LIMU(A)	896	Liriope muscari 'Super Blue'	Super Blue Liriope	-	12"-18"	12"-18"	1 Gal.	@ 18" O.C.
TRFL(A)	106	Tripsacum floridana	Dwarf Fakahatchee	-	12"-18"	12"-18"	1 Gal.	Full, well rooted plants @ 2' O.C.
SEED(A)	1550 SF	Gallardia pulchella	Blanketflower	-	-	-	Seed	1 lb. per 3,638 sq. ft.
MULCH(A)	11750 SF	-	Pinestraw Mulch	-	-	-	-	clean
SOD(A)	206 SF	-	Centipede Sod	-	-	-	-	clean, weed free

DESCRIPTION	DATE

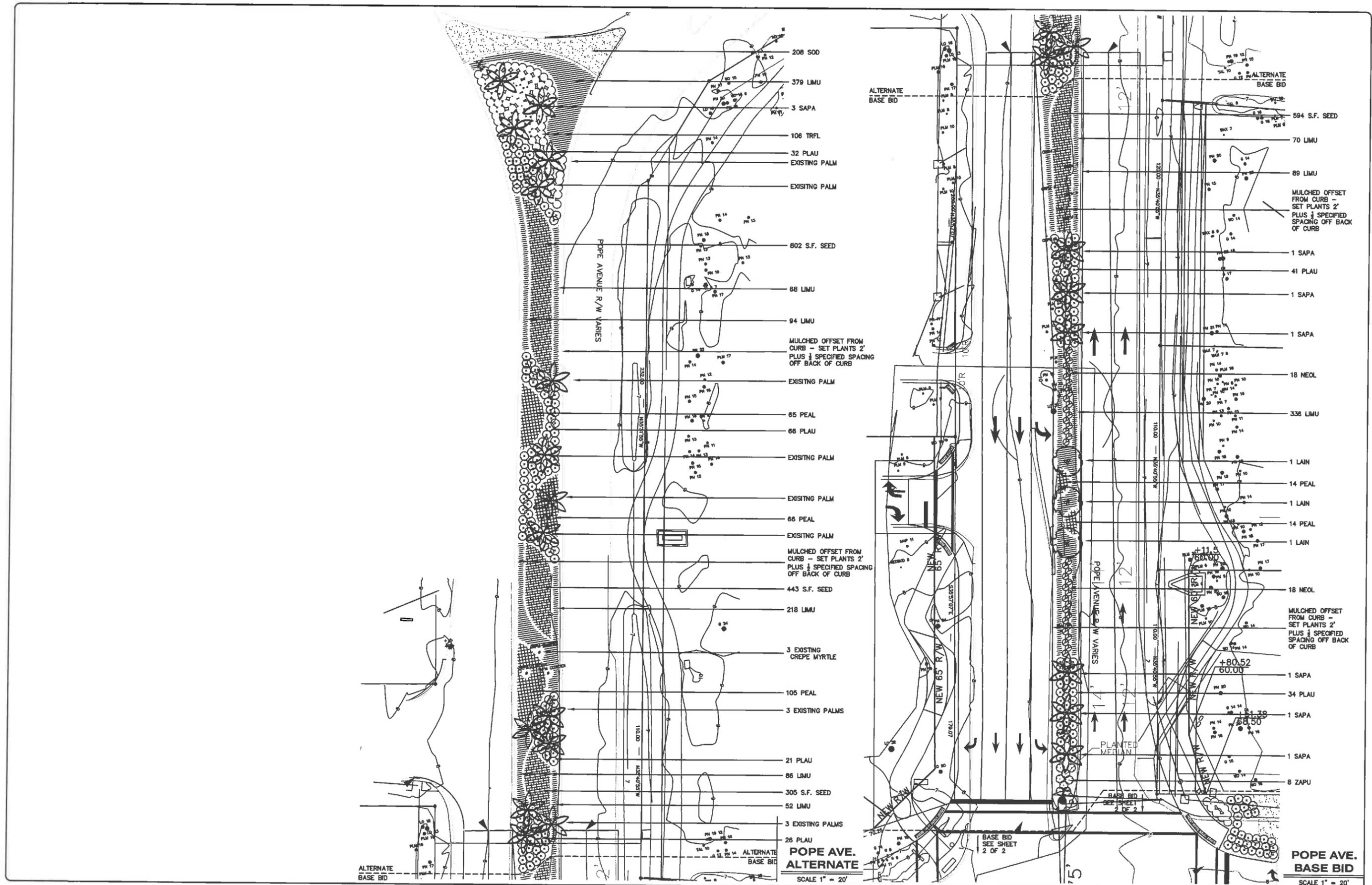
TOWN OF HILTON HEAD ISLAND
Dept. of Public Projects & Facilities
Engineering Division

RELEASED FOR	DATE
APPROVALS	
DESIGN	
CONSTRUCTION	
RECORD DWG.	

Lemoyne Ave

Planting Plan

joy.smith



joy.smith

REVISION	DATE

TOWN OF HILTON HEAD ISLAND Dept. of Public Projects & Facilities Engineering Division		RELEASED FOR	DATE
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		RECORD	
		CONSTRUCTION	
		RECORD DWG.	

POPE AVE. / NEW ORLEANS INTERSECTION

Planting Plan

1
OF 2

STRUCTURAL NOTES

GENERAL REQUIREMENTS

- WHERE A SECTION OR DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY TO ALL SIMILAR CONDITIONS.
- THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- DO NOT SCALE DRAWINGS. FOLLOW DIMENSIONS SHOWN ON PLANS.
- CONTRACTOR SHALL COORDINATE AND VERIFY ALL DIMENSIONS AND ELEVATIONS SHOWN HEREIN WITH CIVIL PLANS, SECTIONS, AND DETAILS PRIOR TO CONSTRUCTION OR MATERIAL PURCHASE AND SHALL NOTIFY ARCHITECT OR ENGINEER IN WRITING OF DISCREPANCIES. SEE CIVIL DRAWINGS FOR ALL DIMENSIONS AND ELEVATIONS NOT SHOWN HEREIN.
- DIMENSIONS INDICATED RELATIVE TO EXISTING STRUCTURE ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION OR MATERIALS PURCHASE. CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING OF DISCREPANCIES.
- SPECIFIED ANCHOR SYSTEMS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. SPECIAL ATTENTION SHALL BE GIVEN TO THE DRILLING, CLEANING, AND PREPARATION OF HOLES. WHERE ADHESIVE ANCHORS ARE SHOWN, SPECIAL ATTENTION SHALL BE GIVEN TO THE REQUIRED MIXING, APPLICATION, AND CURING TIME OF ADHESIVE TYPE SPECIFIED.

SUBGRADE PREPARATION

- CONTRACTOR SHALL STRIP AND REMOVE ALL VEGETATION, TOPSOIL, ROOTS, AND ORGANIC SOILS FROM THE CONSTRUCTION AREA FOR A DISTANCE OF AT LEAST 5' BEYOND THE EXTENT OF FOUNDATION LIMITS. THE DEPTH OF STRIPPING SHALL BE THAT REQUIRED TO REMOVE SIGNIFICANT ROOT ZONES, SMALL TREE STUMPS, AND OTHER UNACCEPTABLE MATERIALS, BUT IN NO CASE SHALL IT BE LESS THAN 12".
- AFTER TOPSOILS, ETC. HAVE BEEN REMOVED FROM THE SITE WITHIN AND TO A POINT 5' OUTSIDE THE CONSTRUCTION AREA, THE UPPER 24" OF EXPOSED SOILS SHALL BE COMPACTED TO A MINIMUM DENSITY OF 95% MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557).
- AFTER COMPLETION OF DENSIFICATION OF EXISTING SOILS, PLACE STRUCTURAL FILL FOR BUILDING AND PAVEMENT AREAS IN THIN (8" TO 10") LIFTS. COMPACT TO A MINIMUM DENSITY OF 95% MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557). MATERIAL USED AS STRUCTURAL FILL SHALL BE NON-PLASTIC GRANULAR MATERIAL CONTAINING LESS THAN 15% FINES PASSING THROUGH THE NO. 200 SIEVE AND FREE OF ORGANICS, BOULDERS, OR OTHER DELETERIOUS MATERIALS.

FOUNDATIONS

- ALL FOUNDATION FILL SUBGRADE SOILS SHALL BE COMPACTED AS FOLLOWS. (REF. ASTM D1557)
 - 95% MODIFIED PROCTOR, (U.V.O.)
- SOILS TESTING LABORATORY SHALL CONDUCT COMPACTION TESTS IN ACCORDANCE WITH ASTM D698. RATE OF COMPACTION SHALL BE AS FOLLOWS:
 - ONE TEST FOR EACH SPREAD FOOTING;
 - ONE TEST FOR EACH 50 LINEAR FEET OF CONTINUOUS FOOTING;
 - ONE TEST FOR EACH 1000 S.F. OF SLAB.
- FOUNDATIONS HAVE BEEN DESIGNED FOR 1,500 PSF MINIMUM ALLOWABLE SOIL BEARING PRESSURE.
- REMOVE ALL WATER SOFTENED SOILS FROM FOOTING EXCAVATIONS PRIOR TO PLACING CONCRETE. FILL REMAINING VOIDS WITH ADDITIONAL CONCRETE.
- SUPPORT ALL BOTTOM REINFORCEMENT IN FOUNDATION WITH STANDEES OR WHOLE CONCRETE BRICKS AT 48" O.C. MAX. REQUIRED CONCRETE COVER SHALL BE MAINTAINED AT ALL TIMES.
- ALL FOOTING, PIER, AND OTHER FOUNDATION REINFORCING SHALL BE TIED IN PLACE PRIOR TO POURING CONCRETE.
- WHERE FINISHED GRADES DIFFER ON OPPOSITE SIDES OF FOUNDATION WALLS, PROVIDE TEMPORARY BRACING TO PREVENT LATERAL MOVEMENT UNTIL ALL ADJACENT FILLING, COMPACTION, FLOOR SLABS, AND FRAMING AT NEXT LEVEL OVER HAS BEEN COMPLETED.
- UNLESS INDICATED ON FOUNDATION PLAN, VERTICAL STEPS IN FOOTINGS TO BE MAXIMUM 2'-0" VERTICAL SPACED NO LESS THAN 4'-0" O.C. HORIZONTALLY TO MAINTAIN MINIMUM 12" COVER BELOW FINISHED EARTH GRADE.
- WHERE GRAVITY PLUMBING LINES OCCUR BELOW TOP OF WALL FOOTING, STEP FOOTING DOWN TO PROVIDE CLEARANCES INDICATED ON PLANS. COORDINATE WITH PLUMBING DRAWINGS FOR LOCATIONS, SIZES, AND INVERTS.
- PROVIDE 1/2" EXPANSION JOINT FILLER AROUND PERIMETER OF SLABS WHERE THEY ABUT VERTICAL SURFACES AND AT COLUMN ISOLATION JOINTS AS DETAILED.

CAST-IN-PLACE REINFORCED CONCRETE

- THE FOLLOWING ACI STANDARDS (LATEST EDITION) APPLY:
 - ACI 318 - CODE
 - ACI 315 - DETAILING
 - ACI 301 - SPECIFICATIONS
 - ACI 304 - PLACING
 - ACI 347 - FORMWORK
 - ACI 211.1 - MIX PROPORTIONING
 - ACI 305 - HOT WEATHER CONCRETING
 - ACI 306 - COLD WEATHER CONCRETING
- ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE (145 PCF) WITH MIXES MEETING THE FOLLOWING CRITERIA:

STRUCTURAL ELEMENT	28 DAY COMPRESSIVE STRENGTH
FOOTINGS, GRADE BEAMS & FOUNDATION WALLS	3,000 PSI

- SLUMP SHALL NOT EXCEED 5". SLUMP TESTS SHALL BE PERFORMED ON EACH TRUCK LOAD AND CONFORM TO ASTM C143.

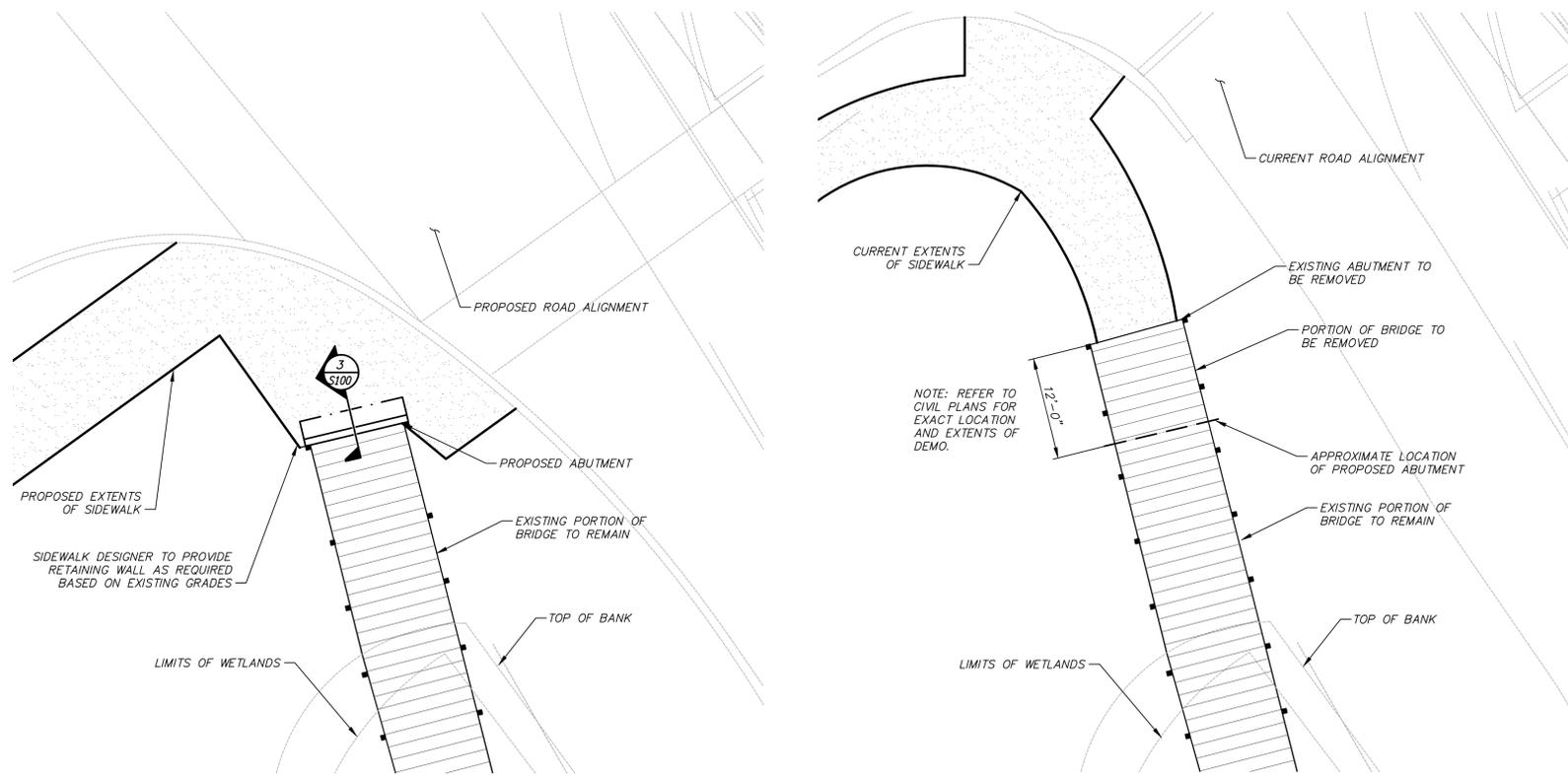
REINFORCING STEEL

- ALL REINFORCING STEEL SHALL BE ASTM A 615, GRADE 60, UNLESS NOTED OTHERWISE.
- HOOKS IN REINFORCING ARE IN ADDITION TO LENGTH SHOWN.
- REINFORCING IS TO BE SUPPORTED IN FORMS AND SPACED WITH WIRE BAR SUPPORTS ACCORDING TO CRSI "PLACING REINFORCING BARS" UNLESS NOTED OTHERWISE.
- MINIMUM REINFORCING STEEL CLEAR COVERS ARE AS FOLLOWS:
 - CONCRETE CAST DIRECTLY AGAINST EARTH.....3"
 - INTERIOR SLABS.....1"
 - INTERIOR BEAMS AND COLUMNS.....1 1/2"
 - EXTERIOR BEAMS AND COLUMNS.....2"
 - EXTERIOR SLABS.....1 1/2"
- UNLESS NOTED OTHERWISE, ALL BAR REINFORCING LAP SPLICES SHALL HAVE A MINIMUM LAP LENGTH OF 48 BAR DIAMETERS.

STRUCTURAL DESIGN CRITERIA

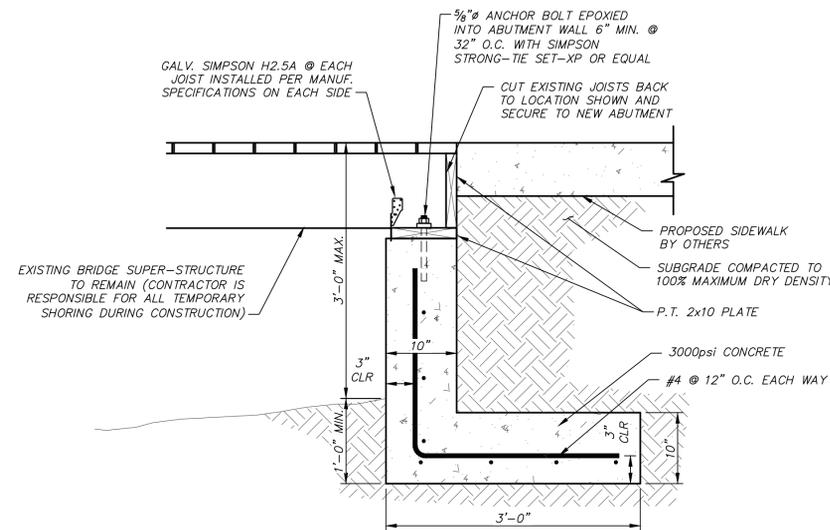
- BUILDING CODE:
2012 INTERNATIONAL BUILDING CODE
- GRAVITY LOADS (ASCE 7-10):

	CONCENTRATED	DISTRIBUTED
PED. BRIDGE	LL = 2000 LBS	LL = 100 PSF
	DL = 150 LBS	DL = 50 PSF
COLLATERAL LOAD	SEE PLANS	CL = 5 PSF
- WIND LOADS (ASCE 7-10 / 2012 IBC):
N/A
- SEISMIC LOADS (ASCE 7-10 / 2012 IRC):
N/A
- SNOW LOAD (ASCE 7-10):
GROUND SNOW LOAD Pg = 5 PSF



2 PROPOSED NEW CONSTRUCTION PLAN
SCALE: 1" = 10'

1 EXISTING BRIDGE DEMO PLAN
SCALE: 1" = 10'



3 PROPOSED BRIDGE ABUTMENT
SCALE: NOT TO SCALE

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REV.	DATE	ISSUED FOR BID	DESCRIPTION
0	05-26-2016		

**POPE AVENUE
ROADWAY IMPROVEMENTS
BRIDGE ABUTMENT**

**STRUCTURAL NOTES AND
DETAILS**

DRAWN BY:	JRE
CHECKED BY:	JRE
APPROVED BY:	JDM
DATE:	5-26-2016
SCALE:	AS NOTED
JOB No.	2016-0230
DRAWING No.	S100