# ARC/BILLOW STREET DRAINAGE IMPROVEMENTS

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CITY PROJECT NAME: ARC/BILLOW ST	REET DRAINAGE IMPROVEMENTS
PROJECT ADDRESS: EDISTO ISLAND, S	
PROJECT DESCRIPTION: THE TOWN OF EDISTO BEACH PLANS T SYSTEM CROSSING MYRTLE STREET A SYSTEM. THIS WILL BE DONE IN AN EFF AREA AND MITIGATE FLOODING THAT I TAX MAP PARCEL INFORMATION:	O REPLACE THE EXISTING STORM DRAINAGE ND LEE STREET WITH A LARGER CAPACITY FORT TO IMPROVE DRAINAGE CONDITIONS IN THE S CURRENTLY BEING EXPERIENCED.
FMS# 354-12-00-210, 354-12-00-209, 354- <u>SITE ACREAGE:</u> FOTAL ACRES: LIMITS OF CONSTRUCTION: SCDOT:	12-00-129 0.2 AC. 0.2 AC. 0.1 AC.
PERMIT SUMMARY:	PERMIT #/FILE #:
CITY PROJECT ID	XXX
NPDES	PN# NPDES SCR10 FILE#
	XXX
SCDOT ENCROACHMENT - ROAD	XXX XXX

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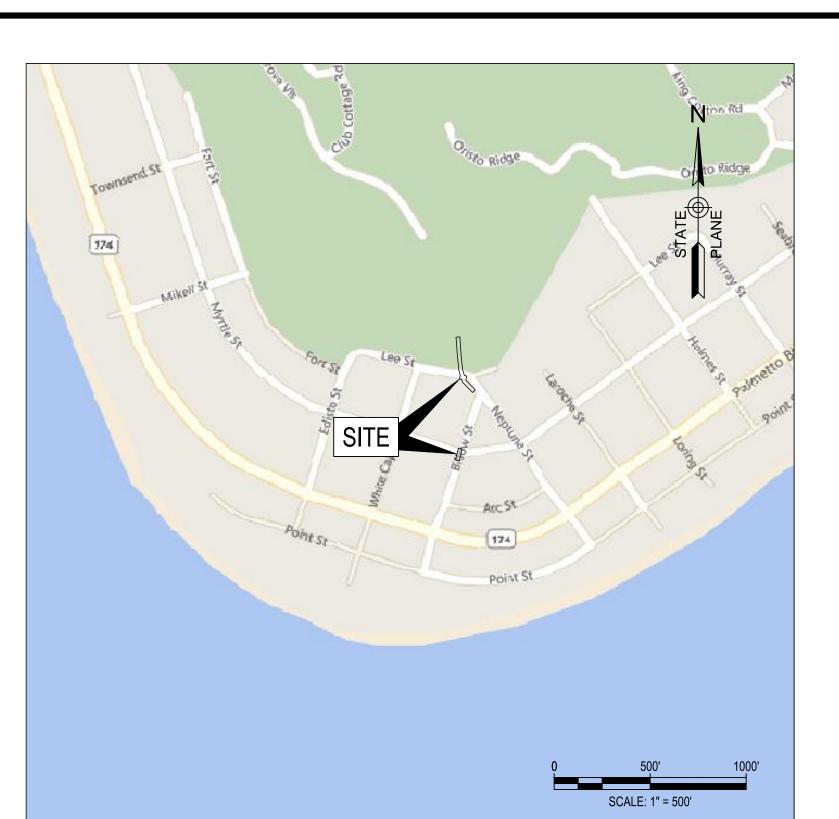
# TOWN OF EDISTO BEACH EDISTO ISLAND, SC



# LOCATION MAP

# PROJECT CONTACTS ENGINEER SURVEYOR

VIS & FLOYD, INC.	DAVIS & FLOYD, INC.
NE PHILLIPS, PE	KEVIN THEWES
29 WEST MONTAGUE AVE	3229 WEST MONTAGUE AVE
RTH CHARLESTON, SC 29414	NORTH CHARLESTON, SC 29414
3-554-8602	843-554-8602



VICINITY MAP

# EXISTING UTILITY NOTE

EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDIVIDUALLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES

# ADA NOTES

1. ALL PUBLIC RIGHT-OF-WAYS AND ALL AMENITIES WILL BE ADA COMPLIANT.

2. PUBLIC RIGHT-OF-WAYS MUST REMAIN ADA COMPLIANT THROUGHOUT CONSTRUCTION OR AN ALTERNATIVE ROUTE MUST BE PROVIDED.

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	AGENCY/UTILITY	<u>CONTACT</u>	PHONE
WATER UTILITY	TOWN OF EDISTO BEACH	PATRICK ZEMP	843-869-2505
SEWER UTILITY	TOWN OF EDISTO BEACH	PATRICK ZEMP	843-869-2505
ELECTRIC UTILITY			
TELECOMMUNICATIONS	AT&T		



Know what's below. Call before you dig.

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OWNER	TOWN OF EDISTO BEACH		EDISTO ISLAND, SC	PROJECT TITLE		ARC/BILLOW STREET DRAINAGE		IMPROVEMENIS	
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	ENERAL CONSTRUCTION NOTE ELEVATION DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).	TO ORIGINAL CONDITION OR BETTER.
	HORIZONTAL DATUM: SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM OF 1983 BASED ON INTERNATIONAL FEET (SC83IF).	<ol> <li>THE CONTRACTOR SHALL LOCATE AND M MONUMENTS DISTURBED DURING CONST CONTRACTOR'S EXPENSE.</li> </ol>
	THE CONTRACT DOCUMENTS FOR THIS PROJECT INCLUDE THE PLANS AND ASSOCIATED TECHNICAL SPECIFICATIONS. THE CONTRACTOR SHALL USE BOTH THE PLANS AND THE SPECIFICATIONS IN ORDER TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE OWNER'S REQUIREMENTS. IF THERE IS A CONFLICT BETWEEN DRAWINGS AND TECHNICAL SPECIFICATIONS, THE TECHNICAL SPECIFICATIONS SHALL GOVERN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO UNDERSTAND THE EXISTING CONDITIONS AND WORK ENVIRONMENT.	10. CONTRACTOR SHALL FIELD VERIFY LOCA EXPOSING POTENTIAL UTILITY CONFLICT WITHOUT DELAYING THE WORK. IF GRAD DESIGN ENGINEER SHALL OBTAIN APPRO CONSTRUCTION. ALL UTILITY CROSSING
	CONTRACTOR SHALL PROCURE AND CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.	CONTRACTOR TO PREVENT GRADE OR A 11. ANY SEPTIC TANKS ENCOUNTERED DURI
	CONTRACTOR SHALL PROVIDE ALL BONDS AND INSURANCE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET APPLICABLE AGENCY	OUT AND BACKFILL WITH PEA GRAVEL UI REMOVAL TO BE IN ACCORDANCE WITH (
	REQUIREMENTS AND PROVIDE A COMPLETED PROJECT.	12. ANY UNKNOWN WELLS, TANKS, PIPES, ST THE OWNER AND ENGINEER. IN THE EVEL
	CONTRACTOR SHALL HOLD ALL PERMITS IN HAND PRIOR TO COMMENCEMENT OF WORK.	CONTACT THE TOWN OF EDISTO BEACH, 13. ANY ABANDONED FUEL TANKS ENCOUNT
	CONTRACTOR SHALL REQUEST TREE PROTECTION AND BMP INSPECTION FROM TOWN OF EDISTO BEACH PRIOR TO CONSTRUCTION ACTIVITIES.	COMPACTED GRANULAR MATERIAL.
	ALL EXISTING ROADS SHOWN ARE PAVED UNLESS OTHERWISE NOTED.	14. UNLESS SPECIFICALLY IDENTIFIED HERE BY OTHER AGENCIES (WATER, SEWER, G
	PROTECT AND/OR RESTORE ALL IMPROVEMENTS ON THE OWNER'S PROPERTY OR EASEMENT AND ALL ADJOINING PROPERTIES.	AND ALL WORK SHALL BE COORDINATED UTILITY RELOCATION SHALL BE INCLUDE
•	AREAS DISTURBED BY CONSTRUCTION SHALL BE GRASSED IN ACCORDANCE WITH GRASSING SCHEDULE ON SHEET C820.	15. CONTRACTOR SHALL RELOCATE THE EXI
	COMPLY WITH THE GUIDELINES OF THE SCDHEC OFFICE OF OCEAN AND COASTAL RESOURCE MANAGEMENT'S "SOUTH CAROLINA STORM WATER MANAGEMENT AND SEDIMENT CONTROL HANDBOOK FOR LAND DISTURBANCE ACTIVITIES" DURING THE ENTIRE CONSTRUCTION PERIOD. SEDIMENT AND EROSION CONTROL PRACTICES SHALL INCLUDE, BUT NOT BE LIMITED TO, SILT FENCE, BERMS, INLET PROTECTION, ETC. AS NEEDED OR AS DIRECTED BY THE ENGINEER. REFER TO THE ENVIRONMENTAL PLAN SHEETS AND THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), WHICH SHOULD ACCOMPANY THIS PLAN SET.	EXCLUDED FROM CONTRACTOR'S SOW II SHALL BE COORDINATED WITH OWNER. S DOWNS SHALL BE KEPT TO A MINIMUM AI 16. CONTRACTOR TO COORDINATE WITH AN POLES, RESET ANY GUY WIRES, LIGHT PO THE CONTRACTOR'S BID.
	CLEAR AND GRUB WITHIN WORK LIMITS FOR ALL SURFACE VEGETATION, TREES, STUMPS, BRUSH, ROOTS, ETC. DO NOT DAMAGE OR REMOVE TREES EXCEPT AS APPROVED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.	GRADING, PAVING AND DRAIN
	DISPOSAL OF EXCESS EXCAVATED MATERIALS OFF-SITE AND HAULING OF FILL MATERIALS REQUIRED FOR CONSTRUCTION SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR.	1. THE CONTRACTOR SHALL BE RESPONSIE PUBLIC STREETS AND RIGHT-OF-WAYS A ADEQUATE WATERING OF THE SITE, STR
	THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, COMPLIANCE WITH OSHA REQUIREMENTS, LOCAL POLICIES AND PROCEDURES, SCOPE OF WORK (SOW), TOWN OF EDISTO BEACH ROAD CODE AND ALL NECESSARY PERMITS.	2. GRADING WORK, MATERIALS AND EQUIPI REQUIREMENTS OF THE SCDOT STANDAI
	THE CONTRACTOR SHALL DESIGNATE ONE SET OF DRAWINGS FOR "AS-BUILT DRAWINGS." THE CONTRACTOR SHALL INDICATE ON THESE DRAWINGS ALL FIELD CHANGES AFFECTING THE DESIGN AS WELL AS LOCATIONS AS ACTUALLY INSTALLED. THE "AS-BUILT DRAWINGS" SHALL BE KEPT CURRENT BY THE CONTRACTOR. THE "AS-BUILT DRAWINGS" SHALL BE DELIVERED TO THE OWNER UPON COMPLETION AND ACCEPTANCE OF THE WORK. FINAL PAYMENT FOR THE WORK WILL NOT BE MADE UNTIL THE "AS-BUILT DRAWINGS" HAVE BEEN COMPLETED AND DELIVERED AS INDICATED ABOVE.	3. STRIP WORK LIMITS, REMOVING ALL ORG AND DEBRIS ASSOCIATED WITH CLEARIN CONTRACTOR. ANY TREES MARKED OR S ENGINEER, AND TOWN OF EDISTO BEACH
7.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINES, GRADES, AND STAKING FOR THE PROJECT.	4. UNLESS OTHERWISE SHOWN ON THE DR
	THE CONTRACTOR SHALL ADVISE THE ENGINEER IF EXISTING GRADES THAT ARE TO REMAIN ARE IN CONFLICT WITH PROPOSED	5. RESTORE ALL AREAS DISTURBED BY COI UNLESS OTHERWISE NOTED.
1	WORK, CAUSING LIMITATIONS IN DRAINAGE PERFORMANCE OR SIGNIFICANT CHANGES IN CONSTRUCTION LIMITS DEFINED WITH CUT OR FILL LIMITS: SPECIFICALLY THAT WHICH RESULTS IN ANY CONSTRUCTION TAKING PLACE OUTSIDE OF PROPOSED CONSTRUCTION LIMITS. THE CONTRACTOR SHALL NOTIFY THE TOWN OF EDISTO BEACH PUBLIC WORKS DEPARTMENT PRIOR TO CONSTRUCTION FOR REQUIRED INSPECTIONS AND SCHEDULES.	6. ALL FILL MATERIALS SHALL BE COMPACT DOCUMENTING THAT THE REQUIREMENT AND EACH FILL OR BACKFILL LAYER. PRO COMPLETED WORK COMPLY WITH REQUINOT ACHIEVED DEGREE OF COMPACTION
	CONTRACTOR SHALL COMPLY WITH THE CONTRACTOR SCOPE OF WORK (SOW), LATEST VERSION, FOR ADDITIONAL PROCEDURES INCLUDING BUT NOT LIMITED TO CLEANING AND PASS STATIONS, ITEMS TO BE RECYCLED FOLLOWING RECYCLING AND	DEPTH REQUIRED; RECOMPACT AND RE
-	ENVIRONMENTAL STANDARDS. CONTRACTOR'S DEBRIS AND DUST PROTECTION PLAN SHALL BE APPROVED BY ENGINEER AND OWNER AND COMPLY WITH LOCAL REGULATIONS. DEBRIS CONTROL SHALL BE INCLUSIVE OF CONTAINERS WITH COVERS FOR ALL DEMOLITION MATERIALS AND SITE TRASH MONITORED AND MAINTAINED DAILY. CONSTRUCTION FENCING ADJACENT TO PUBLIC ROADWAYS SHALL HAVE CLOTH BACKING TO PREVENT DAMAGE AND RESTRICT THE MOVEMENT OF AIRBORNE DEBRIS. SWEEPING ROUTINELY DURING CONSTRUCTION ACTIVITIES SHALL ALSO BE PART OF THE DEBRIS AND DUST PROTECTION PLAN. REFER TO THE SWPPP FOR ADDITIONAL MEASURES THAT MUST BE TAKEN TO PREVENT DEBRIS AND DUST. THE SWPPP ALSO DETAILS "GOOD HOUSEKEEPING"	SUPPORTING EXCAVATION SIDEWALLS, C PREVENT SURFACE WATER FROM ENTER AND PROTECTION SYSTEMS WITHOUT D/ EXCAVATION. MONITOR VIBRATIONS, SET AND SITE IMPROVEMENTS WITH PHOTOG ABSENCE OF, THE INSTALLMENT OF, OR BEFORE WORK BEGINS.
	BMPS TO BE IMPLEMENTED BY THE CONTRACTOR. THE TOWN OF EDISTO BEACH, SCDOT, OR SCDHEC MAY REQUIRE ADDITIONAL MEASURES IF VISUAL INSPECTION INDICATES THE AFOREMENTIONED PRECAUTIONS ARE INEFFECTIVE.	8. CONTRACTOR SHALL DESIGN, FURNISH, SCOPE, SIZE, AND CAPACITY TO CONTRO WATER AND PERMIT EXCAVATION AND C
	<b>ISTING UTILITIES AND FACILITIES</b> THE LOCATION AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE ENGINEER, OWNER, OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING UTILITY LINES.	9. CONTRACTOR SHALL CONTINUOUSLY MO OF EXCAVATIONS AND CONSTRUCTED SI PERMANENT STRUCTURES IS PREVENTE
	CONTRACTOR SHALL CALL PALMETTO UTILITY PROTECTION SERVICE (PUPS) AND ANY LOCAL UTILITY COMPANY NOT REPRESENTED	10. CONTRACTOR SHALL ACCOMPLISH DEW/ ADJACENT TO EXCAVATION.
	BY PUPS A MINIMUM OF 72 HOURS PRIOR TO STARTING ANY PROPOSED WORK (811). KNOWN AREA UTILITY PROVIDERS INCLUDE THE TOWN OF EDISTO BEACH, AT&T, AND COMCAST.	11. THE CONTRACTORS DEWATERING OPER REGULATIONS AND STANDARDS FOR WA
	THE CONTRACTOR SHALL CONTACT ALL UTILITY PROVIDERS BEFORE EXCAVATION. THE DRAWINGS INDICATE APPROXIMATE LOCATIONS OF UTILITIES THAT MAY REQUIRE RELOCATION OR REMOVAL FOR THE NEW WORK. THE CONTRACTOR IS REQUIRED TO HAND EXCAVATE AND CONFIRM THE CONFLICT BEFORE ARRANGING FOR RELOCATION OR REMOVAL BY THE RESPECTIVE UTILITY OWNER. IF THE CONTRACTOR REQUIRES AN INTERRUPTION TO ANY UTILITY SERVICE, THEY MUST NOTIFY THE OWNER IN WRITING AT LEAST 48 HOURS PRIOR TO THE DESIRED INTERRUPTION FOR COORDINATION AND SCHEDULING.	STORMWATER SYSTEMS 1. ALL REINFORCED CONCRETE PIPE (RCP) C443 SPECIFICATIONS AND ALL JOINTS S
	ALL WORK PER FORMED ON WATER AND SEWER SYSTEMS OWNED BY THE TOWN OF EDISTO BEACH MUST BE PERFORMED BY A CONTRACTOR APPROVED BY THE TOWN OF EDISTO BEACH.	2. AS REQUIRED, GRAVITY STORM SEWER S REQUIREMENTS. THE GRADE OF THE GR INVERT ELEVATIONS SHOWN ON THE PRO
	ALL EXISTING FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES	3. CONTRACTOR SHALL BE RESPONSIBLE F DURING CONSTRUCTION WORK.
	AND OTHER FACILITIES NOT INDICATED TO BE REMOVED AT ALL TIMES DURING CONSTRUCTION. ALL EXISTING STRUCTURES, INCLUDING BUT NOT LIMITED TO SIGNS AND DRIVES DISTURBED DURING CONSTRUCTION THAT ARE NOT SHOWN TO BE PERMANENTLY DEMOLISHED, SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER.	UTILITY AS-BUILT NOTE
	CONTRACTOR SHALL REMOVE AND REPLACE ALL EXISTING SURFACE FEATURES (UNLESS INDICATED TO BE PERMANENTLY DEMOLISHED) NECESSARY FOR INSTALLATION/REMOVAL OF ALL UNDERGROUND AND ABOVE GROUND WORK AS INDICATED ON THESE PLANS AND IN THE SOW. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, FENCES, CURB & GUTTER, LANDSCAPING, SIDEWALKS, AND PAVEMENT. COSTS FOR REMOVAL AND REPLACEMENT SHALL BE INCLUDED IN THE BID.	1. THE CONTRACTOR SHALL PROVIDE THE SEALED BY A SURVEYOR LICENSED IN THINCLUDE ALL UTILITY LINES, BOTH EXIST FITTINGS, PIPES, DUCT BANKS, MANHOLE DETERMINE EXACT ELEVATIONS AND LOG APPURTENANCES DESCRIBED ABOVE IN
	DAMAGE TO ASPHALT PAVEMENT, BEYOND THE DEFINED LIMITS OF ASPHALT OVERLAY OR ASPHALT REMOVAL, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. DAMAGED ASPHALT PAVEMENT SHALL BE SAW-CUT, REMOVED, AND REPLACED IN ACCORDANCE WITH THE CONSTRUCTION DETAILS AND STANDARD SPECIFICATIONS. IN ADDITION, THE PAVEMENT PATCH SHALL BE OVERLAID W/ A MINIMUM OF 2" OF TYPE B ASPHALT TO THE SATISFACTION OF THE ENGINEER.	CONSTRUCTION PHASES. SCDHEC/OCRM STANDARD NO 1. IF NECESSARY, SLOPES WHICH EXCEED

MARK ALL EXISTING PROPERTY AND STREET MONUMENTS PRIOR TO CONSTRUCTION. ANY TRUCTION OF THE PROJECT SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR AT THE

ATION AND DEPTH OF ALL EXISTING UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR TS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE MODIFICATIONS OVAL FROM THE OWNER AND UTILITY COMPANY HAVING JURISDICTION PRIOR TO S SHALL BE POTHOLED AS NECESSARY PRIOR TO EXCAVATING OR BORING TO ALLOW THE LIGNMENT CONFLICTS.

NG CONSTRUCTION SHALL BE PUMPED OUT. CONTRACTOR SHALL BREAK BOTTOM OF TANK NLESS OTHERWISE REQUIRED BY PUBLIC AGENCIES HAVING JURISDICTION. SEPTIC TANK CITY, COUNTY AND STATE REQUIREMENTS.

TRUCTURES ETC., ENCOUNTERED SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF ENT CONTAMINATED OR HAZARDOUS MATERIAL IS ENCOUNTERED, THE CONTRACTOR SHALL , AND SCDHEC.

EIN, RELOCATION, REMOVAL, OR ABANDONMENT OF EXISTING UTILITIES OWNED/MAINTAINED GAS, POWER, COMMUNICATIONS, ETC.) SHALL BE PERFORMED BY RESPECTIVE UTILITY OWNER ED IN THE BID.

ISTING WATER, GRAVITY SEWER, AND ALL OTHER APPLICABLE INFRASTRUCTURE NOT N ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. SHUT DOWNS AND TRANSFERS SOME UTILITY SHUT DOWNS MAY BE REQUIRED AFTER NORMAL BUSINESS HOURS. SHUT AND OWNERS AND UTILITY PROVIDERS SHALL HAVE AT LEAST 48 HOURS NOTICE. ID COMPENSATE APPROPRIATE ENTITY/UTILITY OWNER TO HOLD AND MAINTAIN ALL POWER POLES, AND TELEPHONE POLES. COST ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN

# AGE

BLE FOR MANAGING CONSTRUCTION ACTIVITIES AROUND THE CLOCK TO ENSURE THAT ARE KEPT CLEAN OF MUD, DUST, OR DEBRIS. DUST ABATEMENT SHALL BE MAINTAINED BY REET SWEEPING, AND PROPER BMPS PLACED BY THE CONTRACTOR.

MENT, UNLESS SPECIFICALLY STATED OTHERWISE HEREIN, SHALL BE IN ACCORDANCE WITH ARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION.

GANIC MATTER WHICH CAN NOT BE COMPACTED INTO A STABLE MASS. ALL TREES, BRUSH NG, STRIPPING, OR GRADING SHALL BE REMOVED AND DISPOSED OF OFF-SITE BY THE SUSPECTED OF BEING PROTECTED SHALL BE COORDINATED THROUGH THE OWNER, PRIOR TO REMOVAL.

AWINGS, NO FILL SLOPES SHALL BE CONSTRUCTED STEEPER THAN 2H:1V.

INSTRUCTION TO GRADES THAT RESULT IN POSITIVE DRAINAGE TO THE EXISTING INLETS,

ED IN LIFTS TO THE DESIRED COMPACTION RATES WITH FIELD DENSITY TEST REPORTS IS HAVE BEEN ACHIEVED. ALLOW INSPECTING AGENCY TO INSPECT AND TEST SUBGRADES ICEED WITH SUBSEQUENT EARTH MOVING ONLY AFTER TESTING RESULTS FOR PREVIOUSLY REMENTS. WHEN TESTING AGENCY REPORTS THAT SUBGRADES, FILLS, OR BACKFILLS HAVE I SPECIFIED, SCARIFY, MOISTEN, AND AERATE OR REMOVE AND REPLACE SOIL MATERIALS TO TEST UNTIL SPECIFIED COMPACTION IS OBTAINED.

MONITOR, AND MAINTAIN EXCAVATION SUPPORT & PROTECTION SYSTEMS CAPABLE OF OF RESISTING SOIL, HYDROSTATIC PRESSURE, SUPERIMPOSED, AND CONSTRUCTION LOADS. RING EXCAVATIONS BY GRADING, DIKES, OR OTHER MEANS. INSTALL EXCAVATION SUPPORT AMAGING EXISTING BUILDINGS, STRUCTURES, AND SITE IMPROVEMENTS ADJACENT TO TTLEMENTS, AND MOVEMENTS. SHOW EXISTING CONDITIONS OF ADJACENT CONSTRUCTION GRAPHS AND/OR VIDEOS THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY THE THE PERFORMANCE OF EXCAVATION SUPPORT AND PROTECTION SYSTEMS AND SUBMIT

INSTALL, TEST, OPERATE, MONITOR, AND MAINTAIN A DEWATERING SYSTEM OF SUFFICIENT DL HYDROSTATIC PRESSURES AND TO LOWER, CONTROL, REMOVE, AND DISPOSE OF GROUND CONSTRUCTION TO PROCEED ON DRY, STABLE SUBGRADES.

BLOPES, THAT EXCAVATION DOES NOT FLOOD, AND THAT DAMAGE TO SUBGRADES AND

ATERING WITHOUT DAMAGING EXISTING BUILDINGS, STRUCTURES, AND SITE IMPROVEMENTS

ATION SHALL BE IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL TER QUALITY AND QUANTITY.

) SHALL MEET ASTM C76 SPECIFICATIONS. ALL JOINTS SHALL HAVE GASKETS MEETING ASTM SHALL BE WRAPPED WITH FILTER FABRIC, MINIMUM 18" IN WIDTH, UNLESS NOTED OTHERWISE.

SHALL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL MS4 SPECIFICATIONS AND AVITY STORM SEWER SHALL BE MAINTAINED AT A CONSTANT SLOPE BETWEEN THE GIVEN OFILE AS APPLICABLE.

FOR MAINTAINING PROPER DRAINAGE OF EXISTING STORM SEWER LINES AND CHANNELS

ENGINEER & OWNER WITH AN AS-BUILT SURVEY (IN AN AUTOCAD DRAWING FILE), SIGNED AND THE STATE OF SOUTH CAROLINA (TIED TO THE STATE PLANE COORDINATE SYSTEM), TO ING AND NEWLY INSTALLED. SURVEY SHALL ALSO INCLUDE THE PIPE SIZE, MATERIAL, BENDS, LES, AND BORES. THE SURVEY SHALL BE COMPLETED AS THE UTILITY IS CONSTRUCTED TO CATIONS. THE SURVEY SHALL CONTAIN VERIFIED COORDINATE DATA OF ALL A CLEAR FORMAT SO THE UTILITY INFORMATION CAN EASILY BE FOUND DURING FUTURE

### DTES

EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS IN POST-CONSTRUCTION SEQUENCE: NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY 1. MAINTAIN PERIMETER SILT FENCE EROSION CONTROLS AND INLET PROTECTIONS. PE IS BROUGHT TO GRADE.

- 2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HA CEASED, EXCEPT AS STATED BELOW.
- 3. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
- DE MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER. THE 4. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WI RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SIT
  - 5. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION 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 IDENTIFICA
  - 6. 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 TH 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 WATERS OF THE STATE.
- ERED SHALL BE REMOVED AND DISPOSED OF PER SCDHEC REQUIREMENTS. BACKFILL WITH 7. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPL 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 CONTR DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- D BY THE CONTRACTOR. COST FOR COORDINATION AND OTHER EXPENSES ASSOCIATED WITH 8. 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, MAY BE REQUIRED.
  - 9. 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 AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C REG. 72-300 ET SEQ. AND SCR100000.
  - 10. 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 ML PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
  - 11. A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEA LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
  - 12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES H PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
  - 13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
  - 14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
  - 15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES AR BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
  - 16. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED: WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL; WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS; FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
  - 17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENI WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
  - 18. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF TI PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
  - 19. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOI THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

## SEQUENCE OF CONSTRUCTION (EROSION CONTROL)

PRE-CONSTRUCTION SEQUENCE:

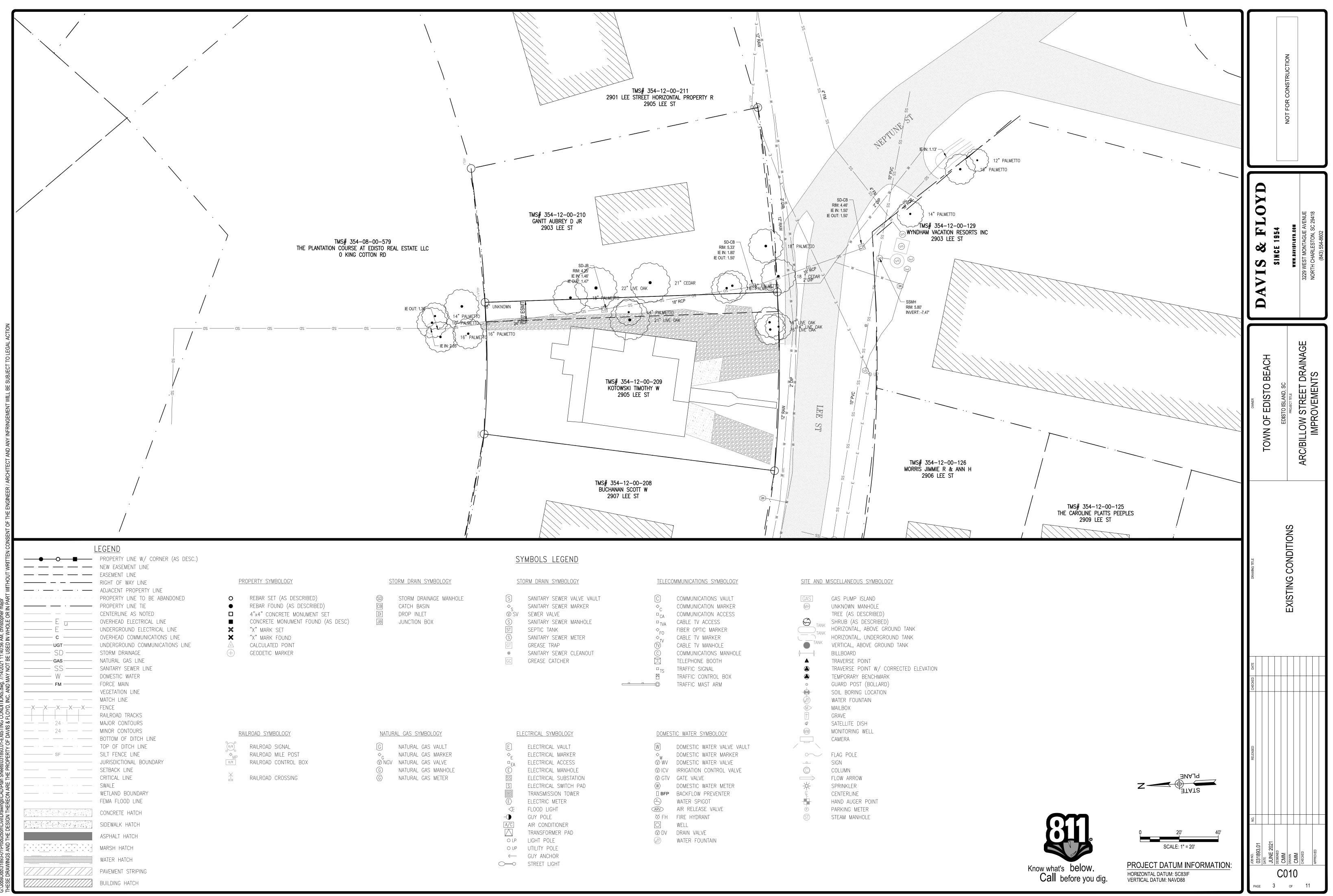
ONITOR AND MAINTAIN DEWATERING OPERATIONS TO ENSURE EROSION CONTROL, STABILITY 1. RECEIVE NPDES COVERAGE FROM SCDHEC AND MS4 APPROVAL FROM THE TOWN OF EDISTO BEACH PUBLIC WORKS.

- 2. PRE-CONSTRUCTION MEETING SHALL BE HELD ON-SITE. INVITED SHALL BE THE OWNER, ENGINEER, SCDHEC, TOWN OF EDISTO BEACH, CONTRACTOR, AND ANY SUB-CONTRACTORS.
- 3. NOTIFY SCDHEC EQC REGIONAL OFFICE OR OCRM, SCDOT, AND THE TOWN OF EDISTO BEACH PUBLIC WORKS 48 HOURS PRIOR BEGINNING LAND-DISTURBING ACTIVITIES. SEE PREVIOUS NOTES FOR PRIOR NOTIFICATION REQUIREMENTS FOR APPLICABLE U PROVIDERS. CONTACT INFORMATION FOR KNOWN UTILITY PROVIDERS IS PROVIDED ON SHEET C000.
- 4. INSTALL BMPS AS SHOWN ON THESE PLANS.
- 5. CONTACT TOWN OF EDISTO BEACH PLANNING FOR TREE PROTECTION INSPECTIONS AND PUBLIC WORKS FOR EROSION CONTRO MEASURES AT 843-869-2505.

6. TOWN OF EDISTO BEACH INSPECTIONS OF THE SEDIMENT CONTROLS AND TREE PROTECTION.

- CONSTRUCTION SEQUENCE: 1. MAINTAIN CONSTRUCTION ENTRANCES AND PERIMETER CONTROLS AS NECESSARY TO ASSURE THEY ARE IN FUNCTIONAL CONDITION.
- 2. CLEAR AND GRUB THE SITE.
- 3. COMPLETE DEMOLITION ITEMS AS REQUIRED.
- 4. INSTALL STORM DRAINS AND ALL UNDERGROUND STRUCTURES OR ITEMS. INLET PROTECTION SHALL BE PLACED ON EACH INLE IT IS INSTALLED.
- 5. FINE GRADING AND PAVING, ETC.
- 6. IN DISTURBED AREAS WHERE CONSTRUCTION ACTIVITY STOPS FOR 14 DAYS OR MORE, TEMPORARY SEEDING SHALL BE APPLIE PREVENT EROSION OF EXPOSED SOILS.

	2.	ESTABLISH FINAL STABILIZATION FOR ALL DISTURBED AREAS. PERMANENTLY SEED ALL UNPAVED DISTURBED AREAS.	Iſ			
AS	3.	MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES UNTIL THE SITE IS PERMANENTLY STABILIZED AND THE CONTROLS ARE REMOVED.				
	4.	CONTACT THE TOWN OF EDISTO BEACH PUBLIC WORKS FOR FINAL INSPECTION AND CLOSE-OUT APPLICATION TO BE SUBMITTED FOR REVIEW AND APPROVAL.			UCTION	
LL BE TE.	5.	PERFORM AS-BUILT SURVEYS OF ALL STORM STRUCTURES AND SUBMIT TO DHEC, TOWN OF EDISTO BEACH MS4, AND ENGINEER FOR ACCEPTANCE.			CONSTRUCTION	
I OR T ATION.	6.	REMOVE TEMPORARY SEDIMENT & EROSION CONTROL MEASURES AFTER ENTIRE AREA DRAINING TO THE STRUCTURE HAS REACHED FINAL PERMANENT STABILIZATION. THE CONTRACTOR SHALL HAVE THE SWPPP PREPARER OR REGISTRATION EQUIVALENT APPROVE THE REMOVAL OF TEMPORARY STRUCTURES.			NOT FOR	
	7.	SUBMIT NOTICE OF TERMINATION (NOT) TO DHEC FOR APPROVAL.				
IE O ANY		ROJECT CLOSEOUT NOTE				
ETION E ROL	1.	UPON COMPLETION OF CONSTRUCTION FOR THIS PHASE OF DEVELOPMENT (UTILITIES CONTAINED HEREIN), THE CONTRACTOR SHALL PROVIDE THE TOWN OF EDISTO BEACH WITH A PROJECT CLOSEOUT APPLICATION FORM AND AS-BUILT AND VIDEO OF THE DRAINAGE SYSTEM, IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF EDISTO BEACH STORMWATER DESIGN MANUAL (NOTE: VIDEOING OF THE SYSTEM IS ONLY REQUIRED FOR PIPES THAT ARE IN THE CITY'S RIGHT-OF-WAY OR EASEMENTS). THE OWNER SHALL PROVIDE A CERTIFICATION ON THE PROJECT CLOSEOUT APPLICATION FORM. THE CONTRACTOR SHALL PROVIDE ALL AS-BUILT VALUE CARDS AND TESTING TO CLOSE-OUT UTILITY PERMITS AS APPLICABLE.		OYD,		/ENUE 29418
AS OF		TORM DRAINAGE AS-BUILT NOTE THE CONTRACTOR SHALL PROVIDE THE TOWN OF EDISTO BEACH WITH AN AS-BUILT SURVEY OF THE SITE (TIED TO THE STATE PLANE COORDINATE SYSTEM), TO INCLUDE ALL STORM DRAINAGE LINES, BOTH EXISTING AND NEWLY INSTALLED. SURVEY SHALL ALSO INCLUDE THE PIPE SIZE, MATERIAL, SPOT ELEVATIONS, AND INVERT ELEVATIONS AS REQUIRED BY THE TOWN OF EDISTO BEACH STORMWATER DESIGN MANUAL AND NPDES PERMIT.		8	SINCE 1954	MONTAGUE AV ARLESTON, SC 13) 554-8602
		OAD CLOSURE REQUIREMENTS THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, AT LEAST 72 HOURS PRIOR TO ANY WORK ZONE ROAD CLOSURES, DETOURS, ETC., SO THAT THE PROJECT STAKEHOLDERS CAN BE MADE AWARE OF THE NEW TRAFFIC PATTERNS.		AVI		3229 WEST NORTH CHA
IST BE	2.	REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY SCDOT OR THE ENGINEER.		Ω		
HAVE		ANY WORK REQUIRING A SHOULDER CLOSURE IS TO BE DONE USING SCDOT STANDARD DRAWING 610-205-00 FOR SHOULDER CLOSURE. ANY WORK REQUIRING A TRAFFIC DISRUPTION OR LANE CLOSURE, WILL REQUIRE A PERMIT FORM THE TOWN OF EDISTO BEACH PUBLIC WORKS DEPARTMENT. SEE CONTACT INFORMATION ON SHEET C000.				GE
		ORK ZONE SIGNAGE INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN FORTY (40) FEET FROM THE EDGE OF THE TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO BEGINNING OF CONSTRUCTION.		O BEACH	SC	'reet drainage 'ements
	2.	ENSURE ALL NECESSARY WORK ZONE SIGNS ARE IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERNS.	OWNER	EDISTO	EDISTO ISLAND, SC	STREET
ETO	3.	ROAD CONSTRUCTION SIGNING SHALL BE PLACED ACCORDING TO SCDOT STANDARD DRAWING 605-010-02.			EDISTO	LOW STI IMPROV
	4.	ALL TRAFFIC CONTROL SIGNING AND CONSTRUCTION SIGNING SHALL BE APPROVED BY SCDOT COLLETON COUNTY RESIDENT CONSTRUCTION ENGINEER BEFORE WORK STARTS IN THE RIGHT-OF-WAY.		TOWN OF		ARC/BILLOW IMPR
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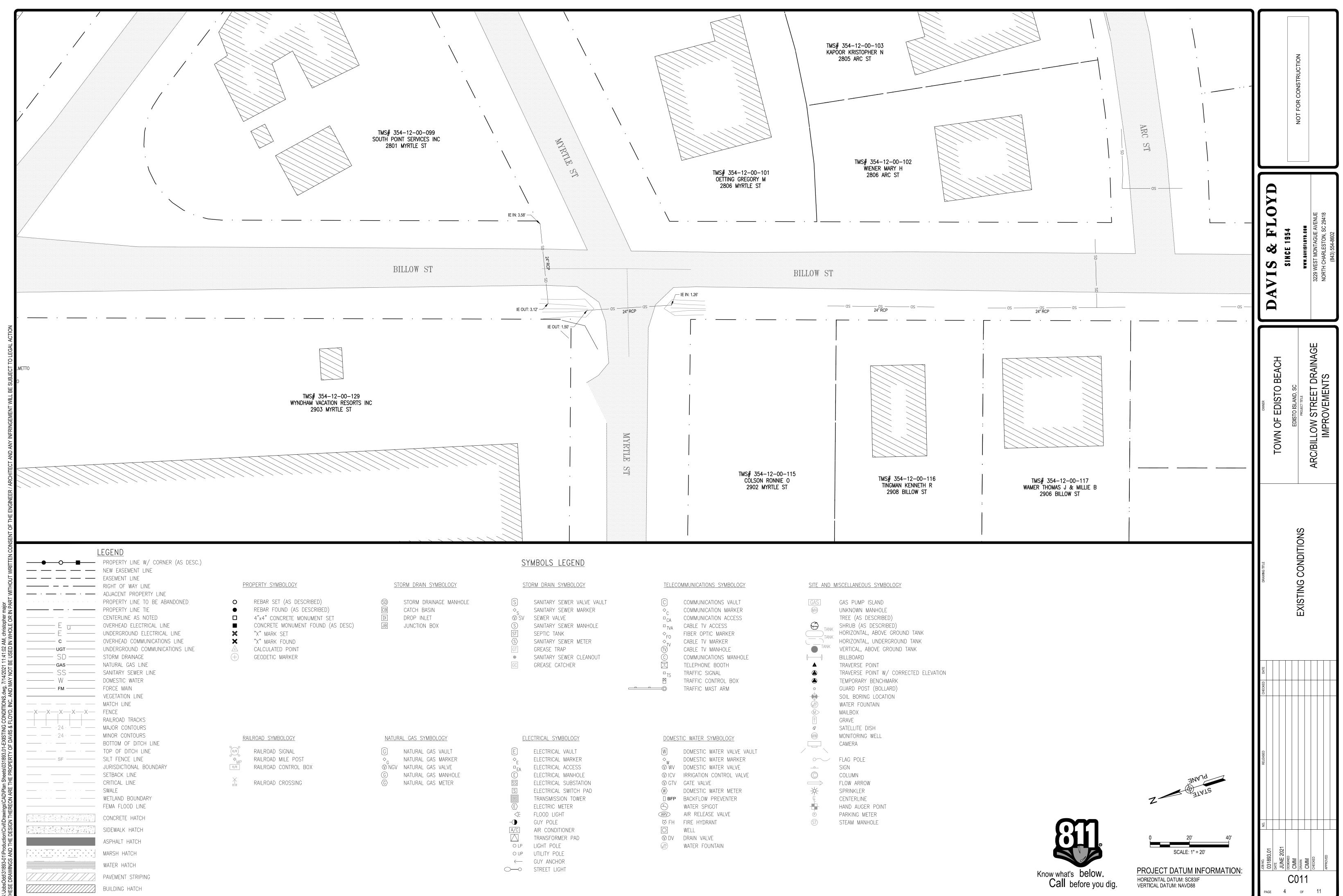
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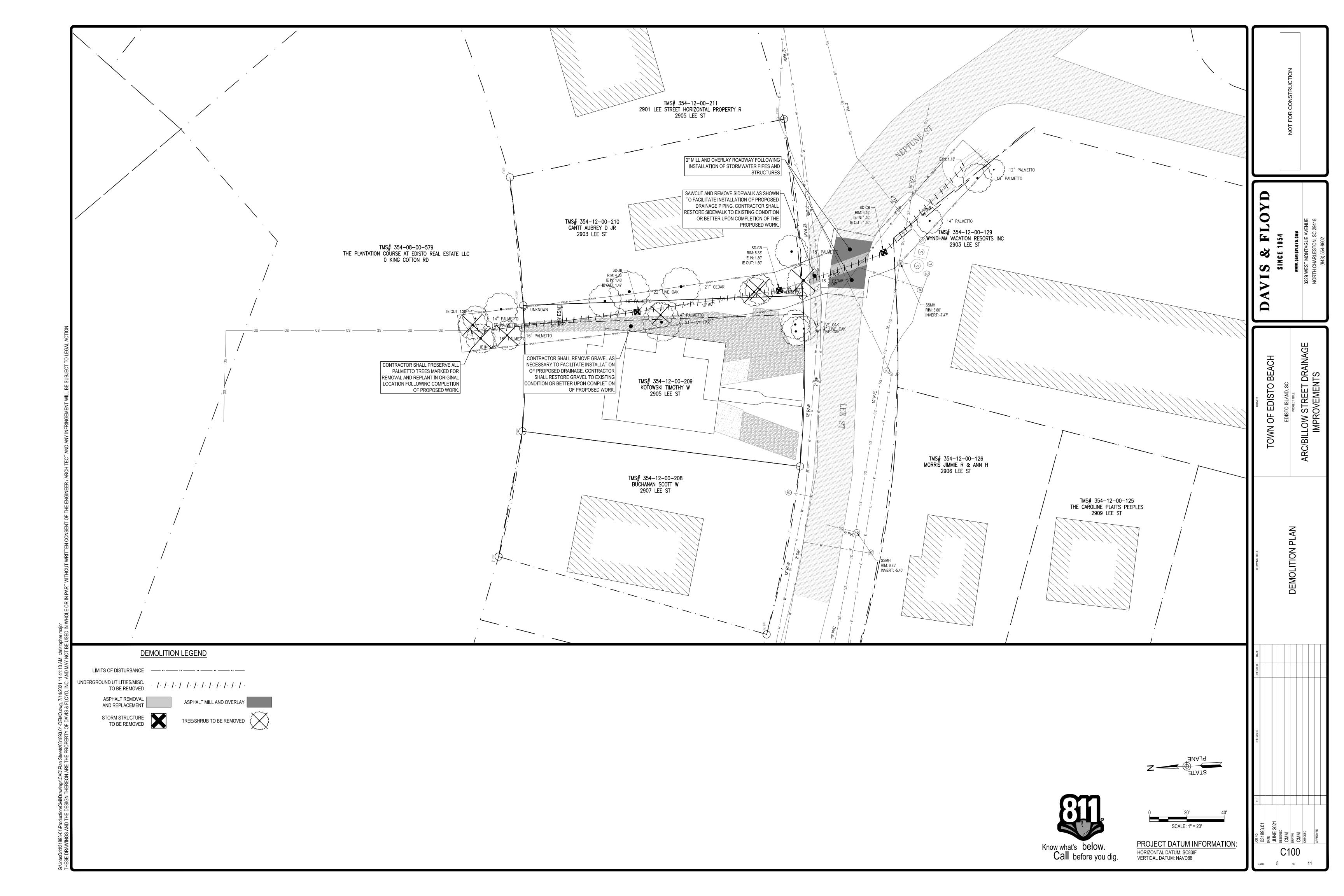
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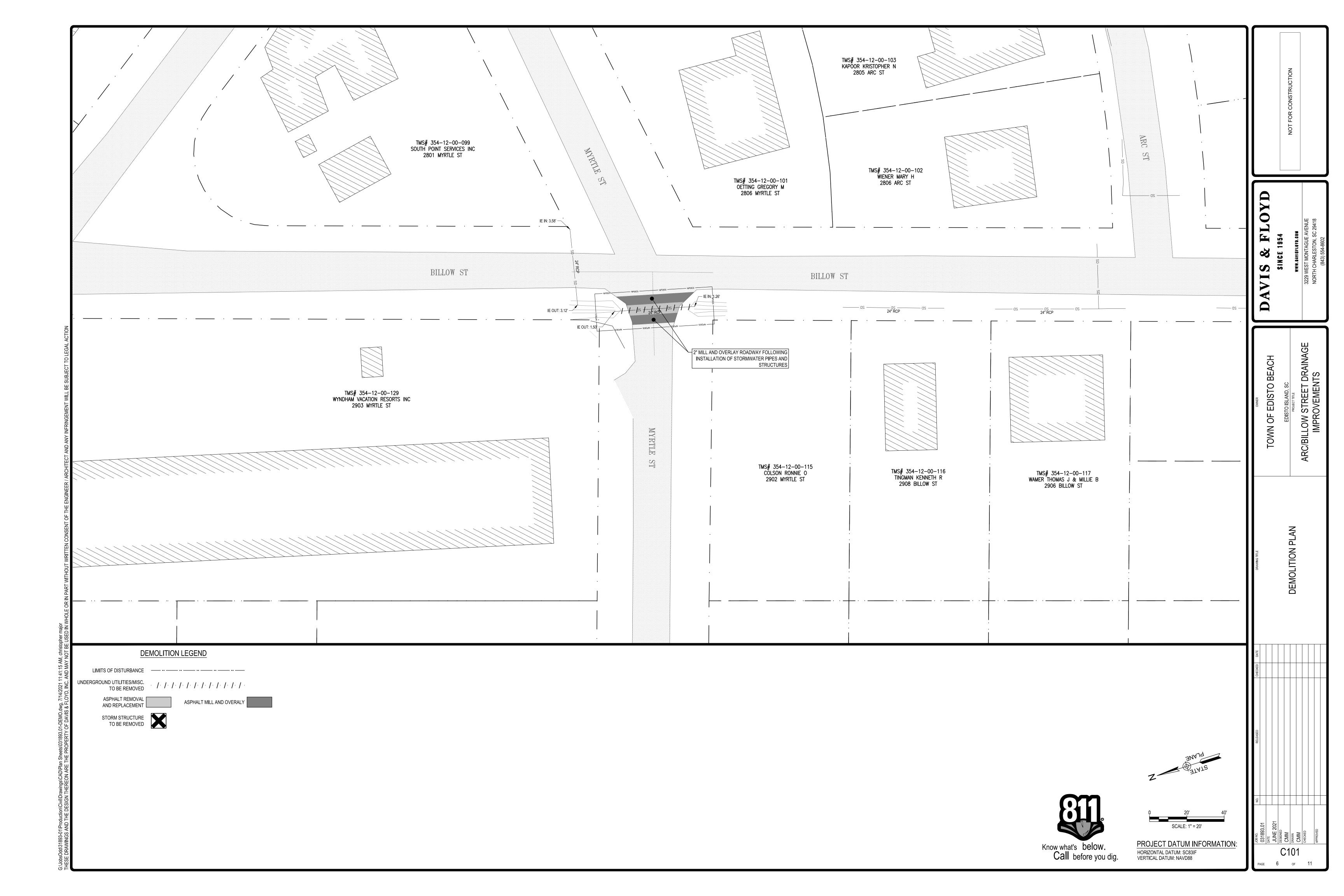
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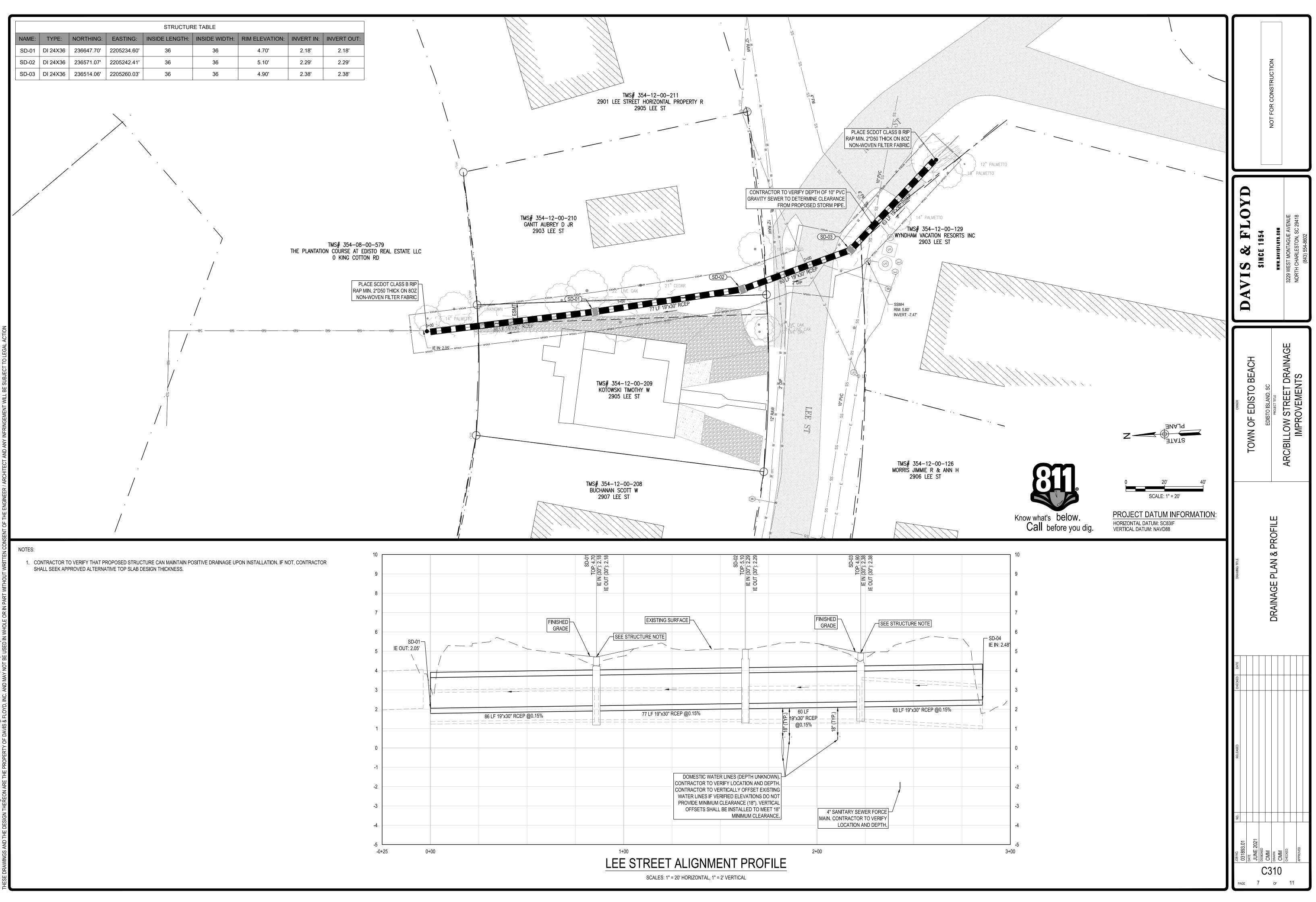


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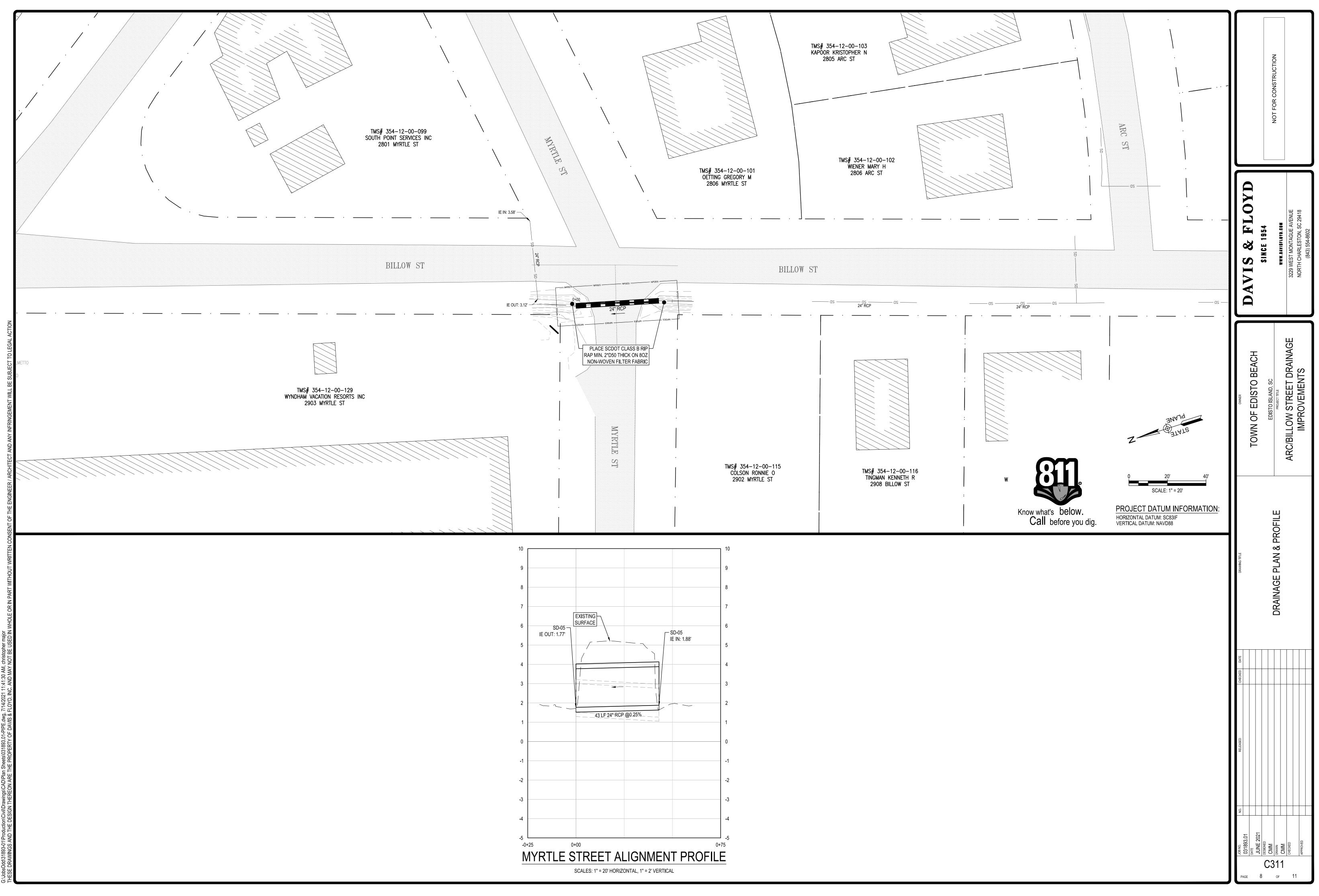
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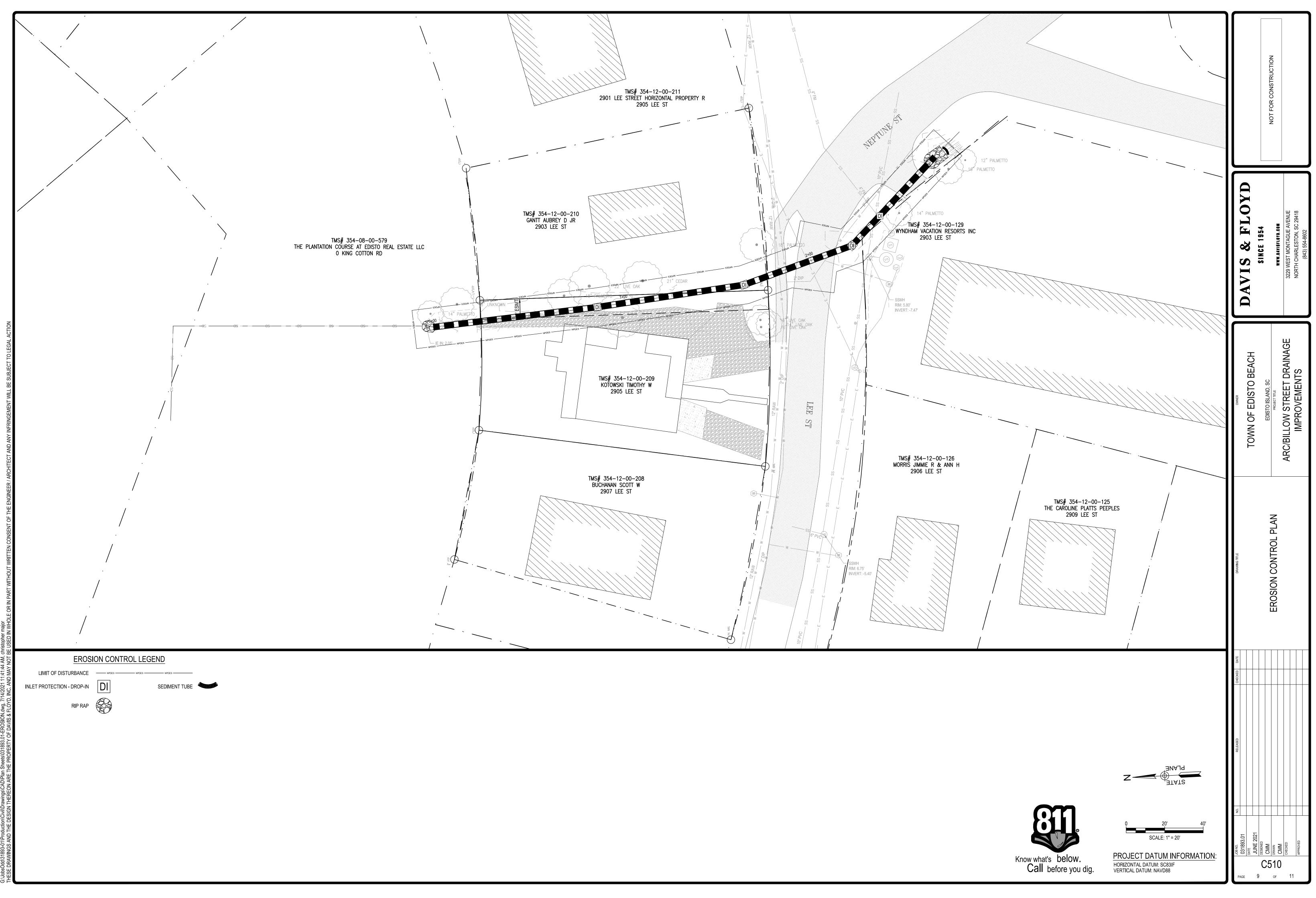


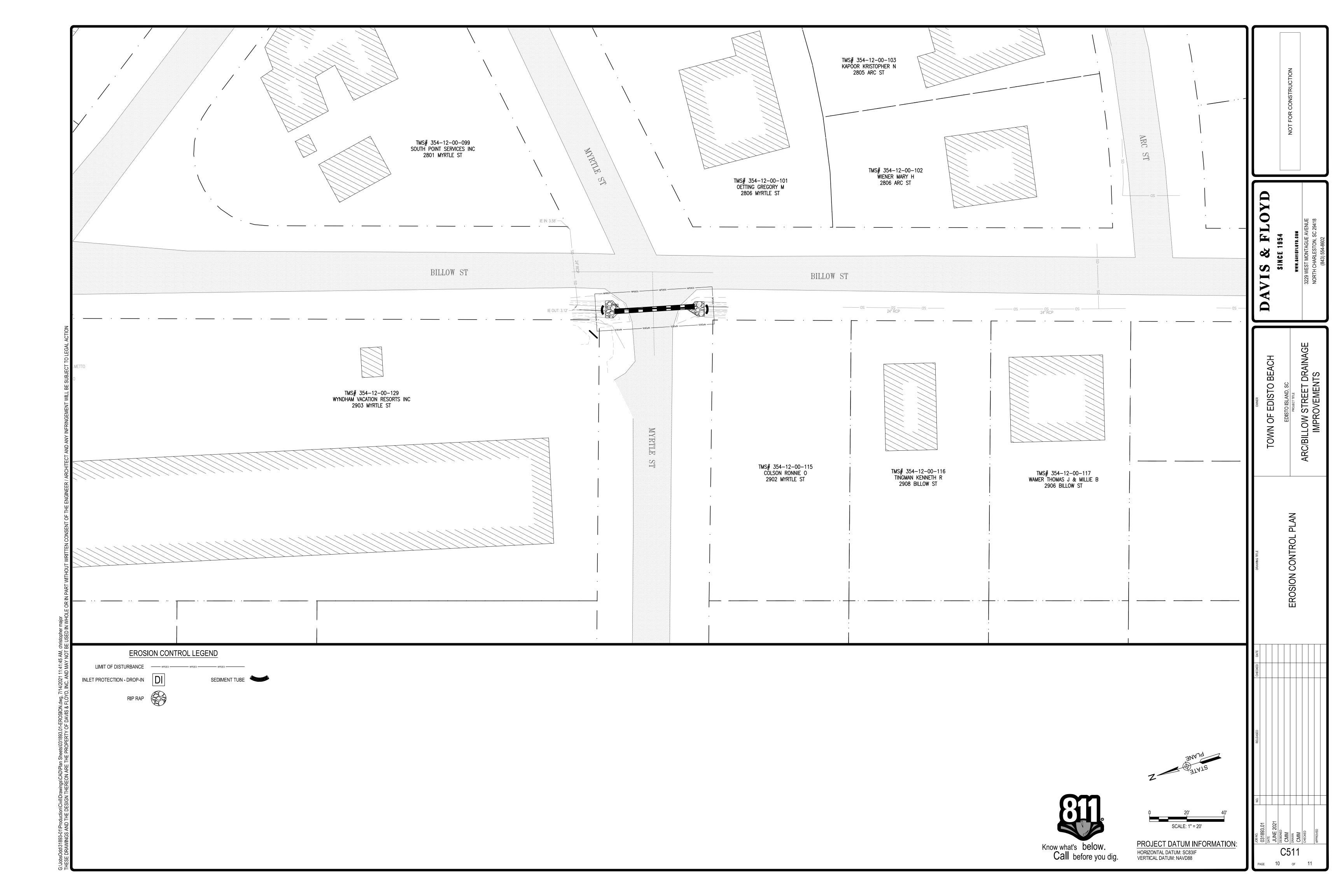


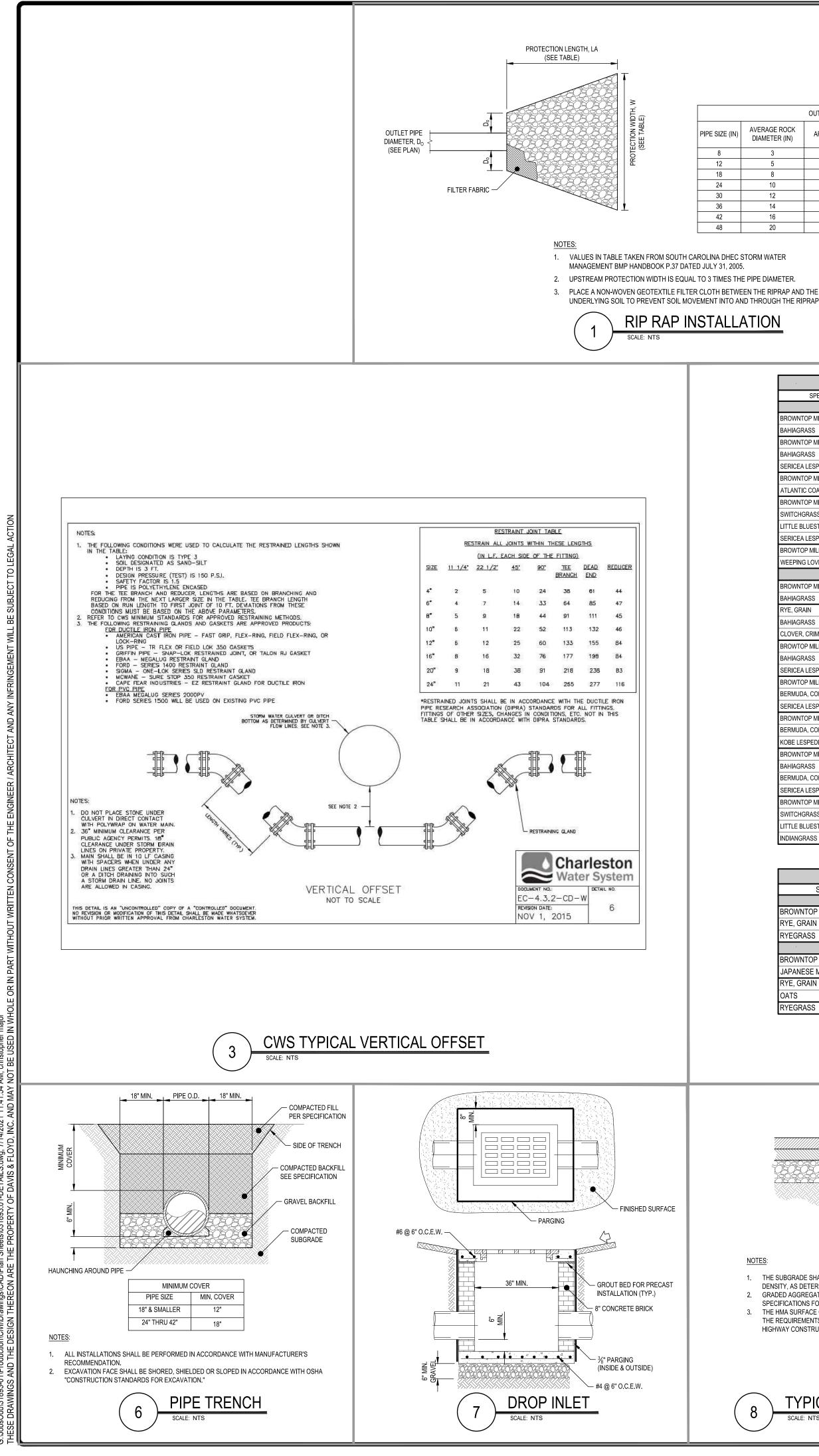


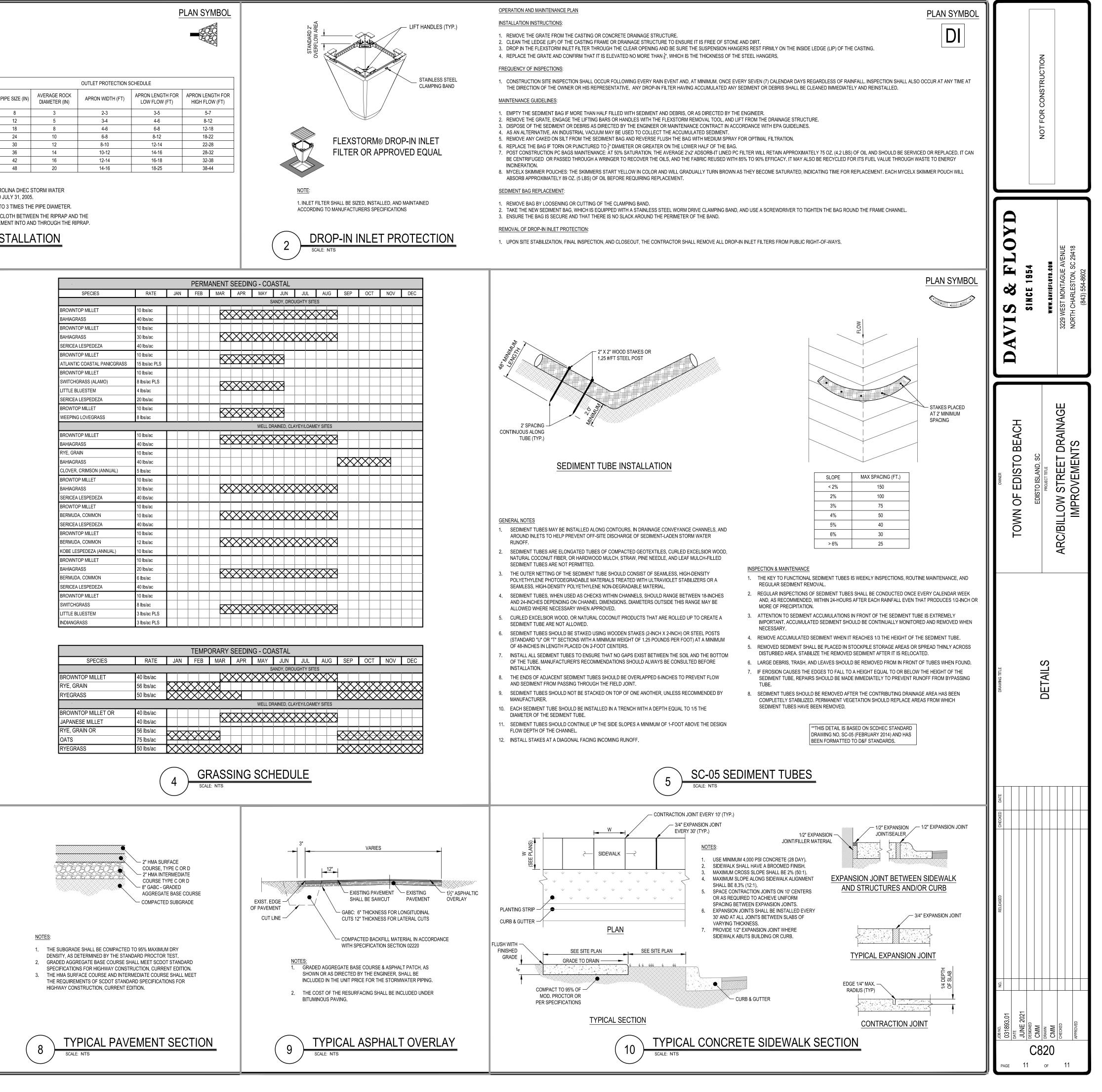
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						CONTRACTOR TO VE CONTRACTOR TO VE WATER LINES IF VE PROVIDE MINIMUM	R LINES (DEPTH UNKN RIFY LOCATION AND D RTICALLY OFFSET EXIS RIFIED ELEVATIONS DC CLEARANCE (18"). VER . BE INSTALLED TO MEI MINIMUM CLEAR/	EPTH. STING D NOT TICAL ET 18"	4" SANITARY SEW MAIN. CONTRACTOR LOCATION A	TO VERIFY
0-	+00				E STREET	ALIGNME	ENT PROF		+00	











# **RIP RAP INSTALLATION**

PIPE SIZE (IN)	DIAMETER (IN)	APRON WIDTH (FT)	LOW FLOW (FT)	HIGH F
8	3	2-3	3-5	
12	5	3-4	4-6	8
18	8	4-6	6-8	1:
24	10	6-8	8-12	18
30	12	8-10	12-14	2
36	14	10-12	14-16	2
42	16	12-14	16-18	3
48	20	14-16	18-25	3

