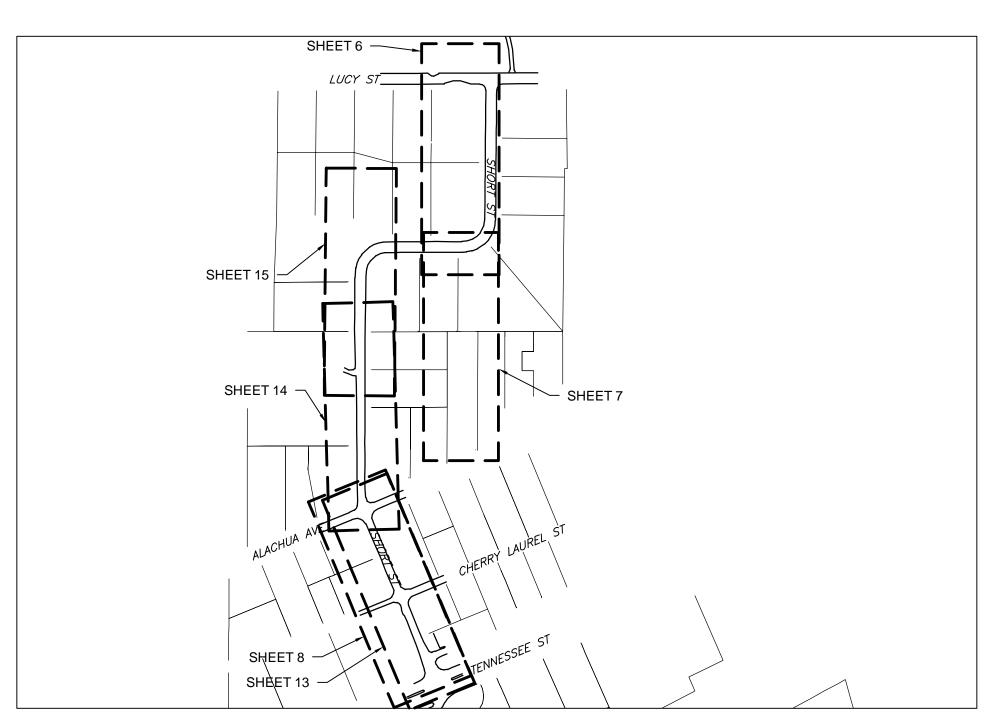
SHORT STREET STORMWATER **OUTFALL PROJECT**

PLANS PREPARED FOR:



PLAN AND PROFILE **KEY MAP** 1" = 250'

GOVERNING STANDARDS AND SPECIFICATIONS:

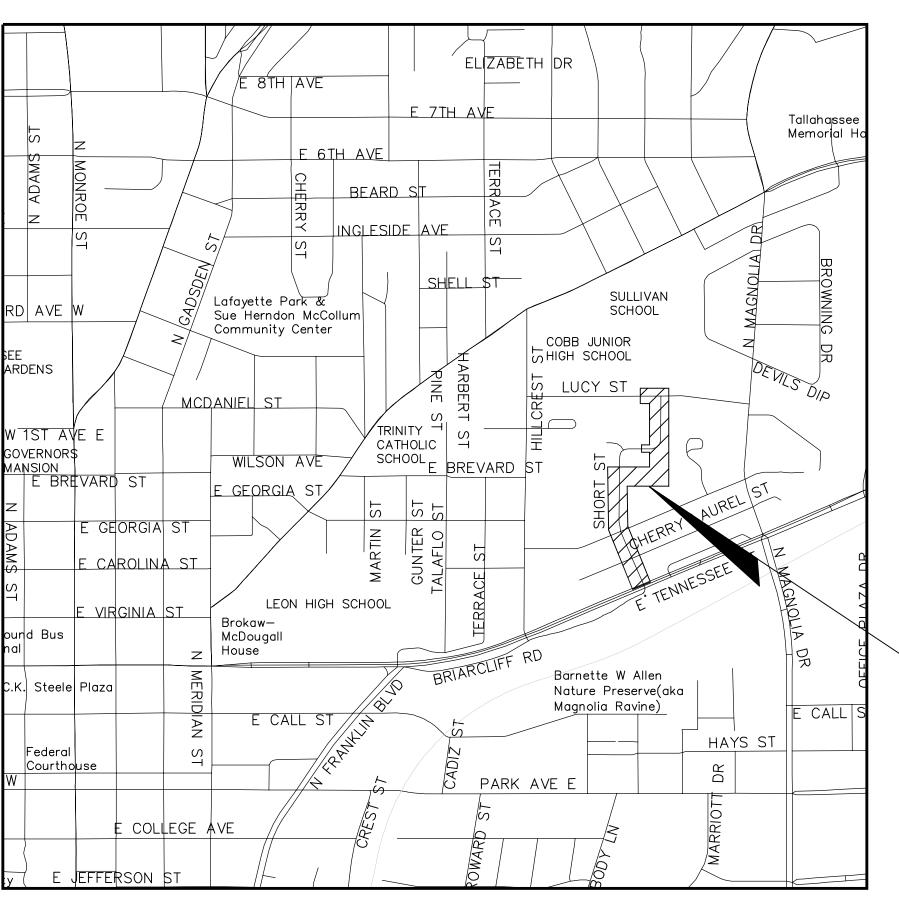
FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS FY2016-17 AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION JANUARY 2018 EDITION, AS AMENDED BY CONTRACT DOCUMENTS.

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

	REVISIONS						
NO.	DESCRIPTION	BY	DATE				

LLAHASSEE

UNDERGROUND UTILITIES & PUBLIC INFRASTRUCTURE DEPARTMENT WATER RESOURCES ENGINEERING STORMWATER MANAGEMENT C.O.T. WORK ORDER NO. 03082



INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
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18	TREE PROTECTION AND REMOVAL
19	TRAFFIC CONTROL
20	PAVEMENT RESTORATION

PROJECT LOCATION

LOCATION MAP

NORTH AMERICAN VERTICAL DATUM OF 1988

PLANS PREPARED BY:

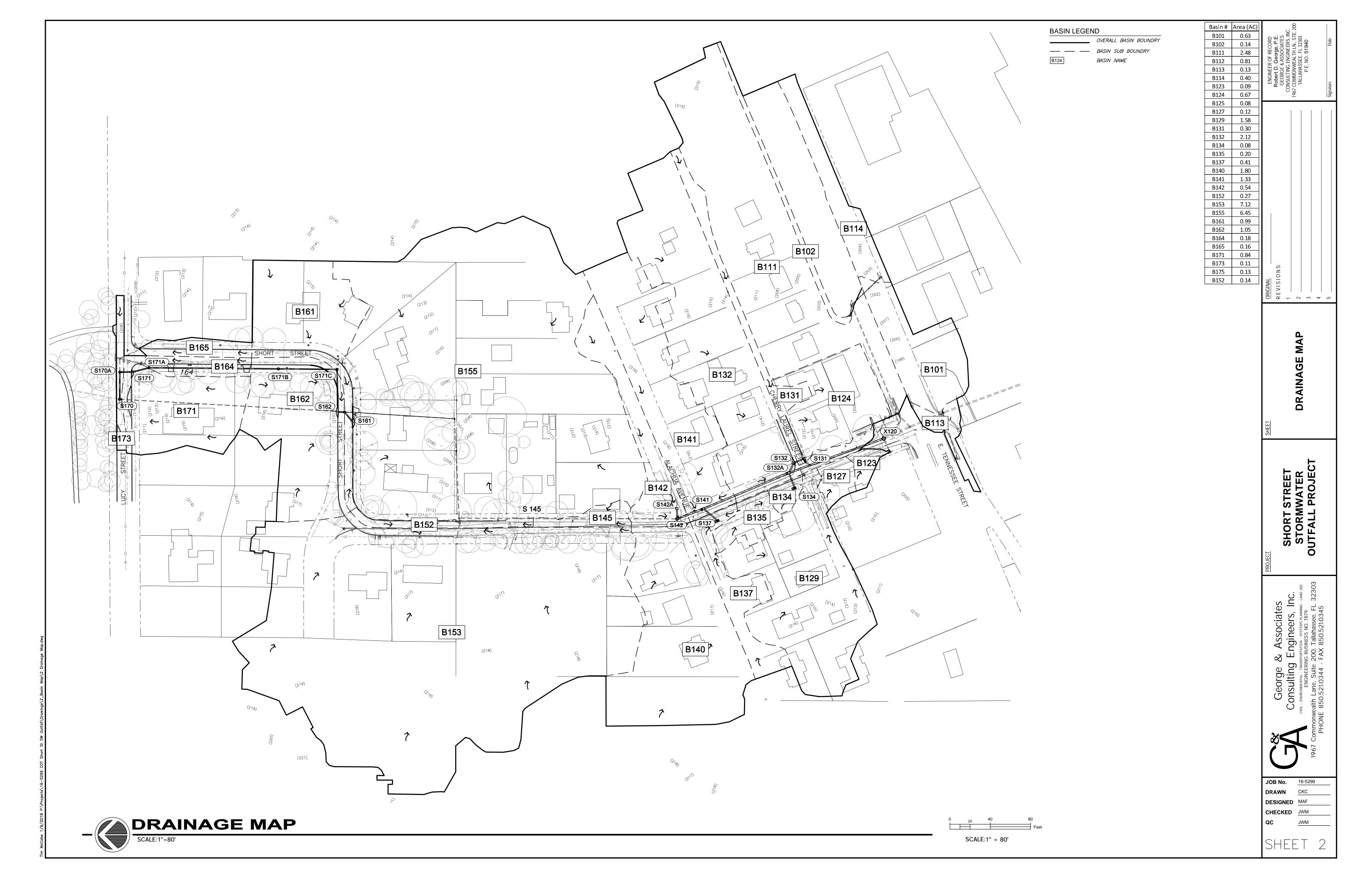
George & Associates Consulting Engineers, Inc. 1967 Commonwealth Lane, Suite 200, Tallahassee, FL 32303 PHONE 850.521.0344 - FAX 850.521.0345

ENGINEER OF RECORD: Robert D. George, P.E. P.E. NO.: 51940

APPPROVED FOR CONSTRUCTION

Ray T. Einarson Stormwater Management

Date: 3/5/2018



- THE CONTRACTOR SHALL HAVE ALL REQUIRED PERMITS IN-HAND PRIOR TO BEGINNING CONSTRUCTION, AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMITS OBTAINED BY THE CITY AND THOSE PERMITS OBTAINED BY THE
- 2. AT LEAST THREE CALENDAR DAYS PRIOR TO THE PRECONSTRUCTION CONFERENCE; THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A TENTATIVE BASE CONSTRUCTION SCHEDULE, A PRECONSTRUCTION SURVEY, A TRAFFIC CONTROL PLAN, AND A SEDIMENT AND EROSION CONTROL PLAN. NO WORK SHALL BEGIN PRIOR TO APPROVAL OF THE CONSTRUCTION SCHEDULE. PRECONSTRUCTION SURVEY, TRAFFIC CONTROL PLAN, AND SEDIMENT AND EROSION CONTROL PLAN
- THE CONSTRUCTION SCHEDULE SHALL DESCRIBE IN DETAIL HOW THE CONSTRUCTION IS TO BE PHASED, ESTABLISH START AND FINISH DATES FOR ALL SIGNIFICANT CONSTRUCTION ACTIVITIES, AND IDENTIFY ALL CONTROLLING ITEMS OF WORK. THE SCHEDULE IS TO BE APPROVED BY THE ENGINEER, AND SHALL BE UPDATED ON A MONTHLY BASIS TO REFLECT ACTUAL WORK PROGRESS. THE UPDATED SCHEDULE SHALL BE SUBMITTED TO THE ENGINEER NO LATER THAN THREE DAYS PRIOR TO EACH SCHEDULED MONTHLY PROGRESS MEETING. PAYMENT FOR PREPARING, UPDATING AND SUBMITTING THE SCHEDULE SHALL BE INCLUDED IN THE PAY ITEM FOR
- THE PRECONSTRUCTION SURVEY SHALL VERIEY THE CONTROL POINTS AND BENCH MARK FLEVATIONS PROVIDED BY THE ENGINEER AND SHALL ALSO ESTABLISH THE LOCATION AND DESCRIPTION OF ALL ADDITIONAL REFERENCE POINTS AND THE LOCATIONS. DESCRIPTIONS AND ELEVATIONS OF ALL ADDITIONAL BENCHMARKS TO BE USED IN CONSTRUCTING THE PROJECT. THE SURVEY SHALL BE SIGNED AND SEALED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA. SIGNIFICANT INCONSISTENCIES BETWEEN THE FIELD NOTES AND THE CONTROL POINTS AND BENCH MARK ELEVATIONS PROVIDED BY THE ENGINEER SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO ISSUANCE OF THE NOTICE TO PROCEED. PAYMENT SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
- THE GEOTECHNICAL INFORMATION SHOWN ON THE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THIS INFORMATION MAY NOT ACCURATELY REFLECT ACTUAL SOIL CONDITIONS AS TO THE DEPTH, EXTENT OR CHARACTER OF THE MATERIAL TO BE ENCOUNTERED IN CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE SUCH EXAMINATION OF THE SITE OF THE WORK AS MAY BE NECESSARY TO DETERMINE THE CONDITIONS UNDER WHICH THE WORK IS
- THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING ALL PROPERTY CORNERS AND MONUMENTS SHOWN ON THE DRAWINGS OR FOUND DURING CONSTRUCTION. IF A PROPERTY CORNER OR MONUMENT IS DESTROYED OR DISTURBED, THE CONTRACTOR WILL HAVE IT REPLACED AND CERTIFIED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA. ALL COSTS FOR PRESERVING, REPLACING AND CERTIFYING PROPERTY CORNERS AND MONUMENTS WILL BE INCLUDED IN THE PAY ITEM FOR
- ANY NATIONAL GEODETIC SURVEY MONUMENT WITHIN THE LIMITS OF CONSTRUCTION MUST BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND:
 - FDEP, BUREAU OF SURVEY AND MAPPING, MS 100 3900 COMMONWEALTH BLVD.
 - TALLAHASSEE, FLORIDA 32399 (850) 245-2555 (OFFICE) (850) 245-2572 (FAX)
- 8. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON INFORMATION PROVIDED BY THE UTILITY OWNERS. AVAILABLE RECORDS. AND SURVEYED FIELD INFORMATION. THE INFORMATION MAY NOT REFLECT ACTUAL CONDITIONS. INCLUDE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED, OR SHOW THE UTILITIES IN THE CORRECT HORIZONTAL OR VERTICAL LOCATIONS. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS NECESSARY TO ESTABLISH THEIR LOCATIONS AND AVOID DAMAGE. THE FOLLOWING UTILITIES SHOULD BE CONTACTED FOR INFORMATION CONCERNING

SUNSHINE STATE ONE-CALL OF FLORIDA 811 OR 800-432-4770 (5 DAYS NOTIFICATION PRIOR TO CONSTRUCTION) CITY OF TALLAHASSEE/ELECTRICAL UTILITY 850-891-5091 CITY OF TALLAHASSEE/GAS LITILITY 850-891-5100 CITY OF TALLAHASSEE/WATER UTILITY 850-891-6107 850-891-6107 CITY OF TALLAHASSEE/SEWER UTILITY

COMCAST (CABLE TELEVISION) 850-574-4060 850-599-1502 CENTURYLINK (TELEPHONE) AT&T (COMMUNICATIONS) 850-242-9087 SOUTHERN LIGHT (COMMUNICATIONS) 251-662-1170

TYPE AND LOCATION OF THEIR FACILITIES. THE LIST MAY NOT INCLUDE ALL UTILITIES IN THE AREA.

- PRIOR TO ANY SCHEDULED INTERRUPTION OF UTILITY SERVICE. THE CONTRACTOR SHALL COORDINATE SUCH INTERRUPTION WITH THE UTILITY PROVIDER AND SHALL PROVIDE A MINIMUM 24-HOUR NOTICE TO THE AFFECTED PARTIES. IN THE CASE OF A WATER MAIN SHUT DOWN, A MINIMUM 24-HOUR NOTICE ALSO SHALL BE PROVIDED TO THE TALLAHASSEE FIRE DEPARTMENT. THE CONTRACTOR SHALL THE ELECTRIC UTILITY A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES.
- 10. THE CONTRACTOR SHALL NOTIFY THE GAS UTILITY (850-891-5100) A MINIMUM OF TWO WORKING DAYS PRIOR TO ANY EXCAVATION IN THE VICINITY OF GAS MAINS, AS REQUIRED BY CHAPTER 77-153 OF THE FLORIDA STATUTES. A GAS DEPARTMENT INSPECTOR WILL BE ON SITE WHEN WORK ACTIVITIES TAKE PLACE NEAR GAS MAINS. A MINIMUM OF 72 HOURS NOTICE SHALL BE PROVIDED FOR ANY REQUEST FOR GAS MAIN EXPOSURE OR ADJUSTMENT.
- 11. ALL UTILITIES IN CONFLICT WITH CONSTRUCTION ARE TO BE ADJUSTED OR RELOCATED BY OTHERS UNLESS NOTED OTHERWISE ON THE
- 12. WHERE THE REQUIRED MINIMUM SEPARATION BETWEEN UTILITIES IS SPECIFIED, THE DISTANCE SHALL BE MEASURED FROM OUTSIDE OF
- 13. LIMITS OF CONSTRUCTION ARE DEFINED IN THE PLANS AND CONSIST OF ROADWAY RIGHTS-OF-WAY, CITY OF TALLAHASSEE PROPERTIES, DRAINAGE RIGHTS-OF-WAY, PERMANENT DRAINAGE AND/OR UTILITY EASEMENTS, AND TEMPORARY CONSTRUCTION EASEMENTS.
- NO TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT.
- 15. ALL EXISTING DRAINAGE STRUCTURES AND PIPES, PAVEMENT, SIDEWALKS, CURBS, ETC., WITHIN THE LIMITS OF CONSTRUCTION ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE DRAWINGS OR DIRECTED BY THE ENGINEER. ALL DRAINAGE STRUCTURES, PIPES, PAVEMENT SIDEWALKS, CURBS, ETC.. THAT ARE TO REMAIN THAT ARE DAMAGED DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR AND IF DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED WITH THE SAME TYPE AND MATERIAL AT NO
- 16. ALL STORM MANHOLES OR STRUCTURES DESIGNATED TO BE ABANDONED IN PLACE SHALL BE REMOVED TO A MINIMUM OF THREE FEET BELOW GRADE AND FILLED WITH COMPACTED SAND.
- 17. EXISTING CONCRETE AND ASPHALTIC CONCRETE DRIVEWAYS AND SIDEWALKS SHALL BE SAW-CUT AS REQUIRED FOR CONSTRUCTION. 18. ALL SIDEWALKS AND CURB RAMPS REMOVED DURING CONSTRUCTION SHALL BE RECONSTRUCTED TO MEET CURRENT ADA STANDARDS
- 19. THE CONTRACTOR SHALL PUT FORTH EVERY REASONABLE EFFORT TO MINIMIZE DISRUPTION AND DISTURBANCE OF ADJACENT PROPERTIES. ACCESS BY PROPERTY OWNERS AND RESIDENTS TO THEIR PROPERTY SHALL BE MAINTAINED AT ALL TIMES, AND AN' BARRICADING OF ACCESS MUST BE COORDINATED WITH THE AFFECTED PROPERTY OWNERS AND RESIDENTS.
- 20. ALL FENCES IN CONFLICT WITH CONSTRUCTION SHALL BE REMOVED AND REPLACED IN THEIR ORIGINAL LOCATIONS OR IN OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. THE CONTRACTOR MAY, AT HIS OPTION, USE NEW FENCING MATERIAL OF THE SAME TYPE THAT WAS REMOVED OR REUSE THE FENCING MATERIAL THAT WAS REMOVED IF IT IS UNDAMAGED BY CONSTRUCTION ACTIVITIES. ALL FENCES DAMAGED BY CONSTRUCTION ACTIVITIES ARE TO BE REPLACED WITH NEW FENCING MATERIAL OF THE SAME TYPE THAT WAS
- THE CONTRACTOR SHALL EXERCISE DUE CARE IN THE REMOVAL OF EXISTING FENCES TO MAINTAIN SECURITY AT THE AFFECTED PROPERTIES AND TO ENSURE THE SAFETY OF PETS, ANIMALS AND CHILDREN. IF IN THE OPINION OF THE ENGINEER, REMOVAL OF A FENCE WILL RESULT IN AN UNACCEPTABLE REDUCTION IN SECURITY OR SAFETY. THE CONTRACTOR SHALL INSTALL A TEMPORARY FENCE AS DIRECTED BY THE ENGINEER PRIOR TO REMOVAL OF THE EXISTING FENCE. THE TEMPORARY FENCE SHALL REMAIN IN PLACE UNTIL
- 22. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND LANDSCAPING ON ADJACENT PROPERTIES. AND WILL BE SOLELY LIABLE FOR DAMAGE TO VEGETATION ON PROPERTIES ADJACENT TO CONSTRUCTION WORK ZONES. ALL TREES WITHIN THE LIMITS OF CONSTRUCTION THAT ARE NOT IDENTIFIED ON THE PLANS TO BE REMOVED SHALL BE PROTECTED TO THE MAXIMUM EXTEN PRACTICABLE. TREE PROTECTION BARRICADES SHALL BE INSTALLED AND MAINTAINED AROUND ALL TREES THAT ARE TO BE PROTECTED AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
- 23. THE CONTRACTOR SHALL NOT DISTURB GRASSING OR LANDSCAPING OUTSIDE CONSTRUCTION WORK ZONES. THE CONTRACTOR SHALL BE SOLELY LIABLE FOR DAMAGE TO VEGETATION OUTSIDE CONSTRUCTION WORK ZONES AND SHALL RESTORE AT NO COST TO THE CITY ANY AREAS THAT ARE DAMAGED INCLUDING AREAS WITHIN THE LIMITS OF CONSTRUCTION OR ON ADJACENT PROPERTIES USING, TO THE EXTENT PRACTICABLE, THE SAME TYPES AND SIZES OF PLANT MATERIAL THAT EXISTED PRIOR TO CONSTRUCTION.
- 24. THE LOCATION AND CONSTRUCTION OF MAILBOXES SHALL BE IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE UNITED STATES POSTAL SERVICE. WHEN A MAILBOX IN CONFLICT WITH CONSTRUCTION IS REMOVED, THE CONTRACTOR SHALL FURNISH AND INSTALL A TEMPORARY MAILBOX AND SHALL MAINTAIN THE TEMPORARY MAILBOX UNTIL A NEW MAILBOX IS INSTALLED. THE CONTRACTOR SHALL CONSTRUCT A NEW MAILBOX TO MATCH, AS CLOSE AS PRACTICABLE, THE LOCATION, TYPE, SIZE, MATERIAL, AND COLOR OF THE ORIGINAL MAILBOX. IN LIEU OF CONSTRUCTING A NEW MAILBOX, THE EXISTING MAILBOX MAY BE REUSED IF IT MEETS THE RULES AND REGULATIONS OF THE UNITED STATES POSTAL SERVICE AND IS FUNCTIONALLY SOUND.
- 25. DISTURBED AREAS SHALL BE COMPACTED (AT A MINIMUM) EQUAL TO ADJACENT UNDISTURBED GROUND EXCEPT WHEN OTHERWISE
- 26. PROPERTIES ADJACENT TO WORK ZONES SHALL BE GRADED TO DRAIN WITHIN THE LIMITS OF CONSTRUCTION.
- ALL DISTURBED AREAS WITHIN CONSTRUCTION WORK ZONES ARE TO BE GRASSED EXCEPT FOR AREAS THAT ARE LANDSCAPED, PAVED, OR BELOW NORMAL WATER LEVEL. EXISTING GRASSED AREAS SHALL BE REPLANTED WITH SOD OF THE SAME GRASS TYPE AS EXISTING. UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER. CENTIPEDE SOD WILL BE USED FOR DISTURBED AREAS NOT CURRENTLY GRASSED. REINFORCEMENT MAT SHALL BE INSTALLED BENEATH SOD PLACED ON SLOPES OF 2H:1V OR STEEPER, AND THE SOD SHALL BE STAPLED. COSTS FOR REINFORCEMENT MAT, STAPLING, FERTILIZING, AND WATERING SHALL BE INCLUDED IN THE UNIT PRICE OF THE PAY ITEM FOR PERFORMANCE TURF.
- 28. PRIOR TO REQUESTING A FINAL INSPECTION, THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER FOUR COMPLETE SETS OF CERTIFIED AS-BUILT RECORD DRAWINGS AND TWO COPIES OF THE DIGITAL FILES ON CD-ROM DISKS.
- SURVEY DATA WAS PROVIDED BY MERIDIAN SURVEYING AND MAPPING, INC., JOB # 22002.03, AS UPDATED THROUGH DECEMBER 2016. HORIZONTAL CONTROL IS BASED UPON FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH ZONE (NAD 83). VERTICAL CONTROL IS
- UNDERGROUND UTILITIES SHOWN HEREON WERE LOCATED AND SIZED BASED UPON PAINT MARKINGS OR UTILITY MAPS PROVIDED BY THE UTILITY OWNERS. LOCATIONS SHOULD BE CONSIDERED APPROXIMATE ONLY AND THERE MAY BE ADDITIONAL UTILITIES WITHIN THE PROJECT AREA THAT WERE NOT MARKED OR MAPPED.
- THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL VALVE BOXES ON GAS AND WATER MAINS WITHIN THE LIMITS OF CONSTRUCTION THAT ARE TO REMAIN IN SERVICE. PRIOR TO COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL ADJUST ALL VALVE BOXES WITHIN CONSTRUCTION AREAS SO THE TOPS ARE FLUSH WITH FINISHED PAVEMENT OR WITH FINISHED GRADE IN UNPAVED AREAS.
- SUPPLEMENTAL GENERAL NOTES STORMWATER CONSTRUCTION:

FLUSH WITH INSIDE OF DRAINAGE STRUCTURE

- ALL NEW OR REPLACEMENT STORM DRAINS OR CULVERTS SHALL BE CLASS III STEEL REINFORCED CONCRETE PIPE IN ACCORDANCE WITH STANDARD SPECIFICATION 449-4 OR FDOT APPROVED POLYPROPYLENE PIPE UNLESS NOTED OTHERWISE ON THE DRAWINGS. WHEN THE PLANS DESIGNATE A TYPE OF PIPE. THE CONTRACTOR MAY USE ONLY THE TYPE DESIGNATED, THE CONTRACTOR SHALL NOT USE A TYPE OF PIPE NOT DESIGNATED ON THE DRAWINGS WITHOUT WRITTEN APPROVAL FROM THE ENGINEER. ALL PIPES SHALL BE CUT
- ALL REINFORCED CONCRETE PIPE SHALL BE INSTALLED USING SELECT MATERIAL FOR THE SOIL ENVELOPE AS SHOWN ON THE STORM DRAIN PIPE INSTALLATION DETAIL. BACKFILL AROUND POLYPROPYLENE PIPE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

- 3. ALL JOINTS OF CONCRETE PIPES, CULVERTS, AND STORM SEWERS SHALL HAVE A FILTER FABRIC JACKET AS DETAILED ON STANDARD INDEX NO. 280, UNLESS NOTED OTHERWISE ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.
- 4. ALL PIPE CULVERTS AND STORM SEWERS 48-INCHES OR LESS IN DIAMETER SHALL BE VIDEO TAPED IN ACCORDANCE WITH SECTION 430-4.8 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 5. ALL CURB INLETS, DITCH BOTTOM INLETS, AND MANHOLES SHALL HAVE TRAFFIC BEARING FRAMES AND COVERS OR GRATES MEETING HS-20 LOADING REQUIREMENTS UNLESS OTHERWISE SHOWN ON THE PLANS.
- 6. ALL STORM DRAIN COVERS SHALL BE TYPE USF TJ (U.S. FOUNDRY NO. 8017195), NPR15-728 (EJ GROUP COVER NO. 3062A2), OR
- 7. ALL TYPE J STRUCTURE BOTTOMS SHALL HAVE A MINIMUM 6'-0" WALL HEIGHT WHEN POSSIBLE.
- 8. ALL GRATES SHALL BE CHAINED AND LOCKED IN ACCORDANCE WITH STANDARD INDEX NO. 201. COST OF EYEBOLTS AND CHAIN SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURES.
- 9. UTILITIES IN CONFLICT WITH THE INSTALLATION OF A NEW STORM DRAIN ARE TO BE ADJUSTED OR RELOCATED TO ELIMINATE THE CONFLICT. IF THE CONFLICT CANNOT BE REASONABLY AVOIDED, A CONFLICT STRUCTURE WITH ACCESS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD INDEX NO. 307 WITH THE EXCEPTION THAT FOR UTILITY CONFLICT CONDITION II (PRESSURE OR FLUID CARRIER INSTALLATIONS), A CARRIER PIPE IS NOT REQUIRED IF DUCTILE IRON PIPE IS USED FOR THE UTILITY AND NO PIPE JOINTS ARE LOCATED WITHIN THE CONFLICT STRUCTURE. "NOTCHING" OF A STORM DRAIN PIPE OR STRUCTURE TO ACCOMMODATE A UTILITY SHALL NOT BE ALLOWED. NO UTILITY SHALL BE INSTALLED THROUGH ANY PORTION OF A STORM DRAIN PIPE WITHOUT A CONFLICT STRUCTURE.

SUPPLEMENTAL GENERAL NOTES - TRAFFIC CONTROL:

- THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN THAT DESCRIBES THE MEASURES TO BE EMPLOYED DURING CONSTRUCTION TO WARN MOTORISTS AND PEDESTRIANS OF HAZARDS, TO ADVISE MOTORISTS OF THE PROPER TRAVEL PATH THROUGH OR AROUND THE WORK AREA. TO DELINEATE AREAS WHERE TRAFFIC SHOULD NOT OPERATE. AND TO SEPARATE AND PROTECT MOTORISTS. PEDESTRIANS, AND THE WORK FORCE DURING ALL PHASES OF THE WORK, THE PLAN SHALL ALSO CONSIDER ACCESS TO BUSINESSES WITHIN THE CONSTRUCTION AREA AND PROVIDE BUSINESS ENTRANCE SIGNS TO ROUTE MOTORISTS TO DESIGNATED PARKING AREAS. THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE TRAFFIC CONTROL PLAN FROM THE CITY OF TALLAHASSEE TRAFFIC MOBILITY MANAGEMENT SECTION PRIOR TO BEGINNING CONSTRUCTION. PAYMENT FOR PREPARING AND SUBMITTING THE TRAFFIC CONTROL PLAN SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
- 2. ACCESS TO BUSINESS AND RESIDENTIAL DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
- 3. NO ROADWAYS (INCLUDING COUNTY ROADS) SHALL BE CLOSED WITHOUT PRIOR APPROVAL OF THE CITY OF TALLAHASSEE TRAFFIC
- 4. ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND/OR THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS.
- 5. ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE THE START OF CONSTRUCTION ON AFFECTED ROADWAYS.
- 6. WARNING LIGHTS SHALL BE USED ON BARRICADES DURING HOURS OF DARKNESS IN ACCORDANCE WITH INDEX NO. 600

SUPPLEMENTAL GENERAL NOTES - SEDIMENT AND EROSION CONTROL:

- 1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PREVENTION, CONTROL, AND ABATEMENT OF EROSION, WATER POLLUTION, AND THE TRANSPORTATION OF ERODED MATERIALS OFF SITE.
- 2. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER A SEDIMENT AND EROSION CONTROL PLAN TO ACCOMPANY THE STORMWATER POLLUTION PREVENTION PLAN AND THE SEDIMENT AND EROSION CONTROL PLAN INCLUDED IN THESE PLANS. THE SEDIMENT AND EROSION CONTROL PLAN SHALL BE PREPARED IN ACCORDANCE WITH THE "FLORIDA EROSION AND SEDIMENT CONTROL MANUAL" AND SHALL BE SPECIFIC TO THE MEANS, METHODS, AND SEQUENCE OF CONSTRUCTION TO BE EMPLOYED BY THE CONTRACTOR AND SHALL IDENTIFY THE TYPES AND LOCATIONS OF CONTROLS THAT ARE TO BE IMPLEMENTED DURING EACH PHASE OF CONSTRUCTION AS SHOWN ON THE APPROVED CONSTRUCTION SCHEDULE TO MINIMIZE EROSION, PREVENT THE TRANSFER OF ERODED MATERIALS ONTO ANY OFF SITE PARCEL OR INTO ANY RECEIVING WATER, AND PREVENT VIOLATING STATE AND/OR FEDERAL PERMIT REQUIREMENTS. PAYMENT FOR PREPARING AND SUBMITTING THE SEDIMENT AND EROSION CONTROL PLAN AND FOR ANY MODIFICATIONS TO THE SEDIMENT AND EROSION CONTROL PLAN DURING CONSTRUCTION WILL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION. THE SEDIMENT AND EROSION CONTROL PLAN SHALL DESCRIBE BUT NOT BE LIMITED TO THE FOLLOWING ITEMS FOR EACH PHASE OF CONSTRUCTION OPERATIONS OR ACTIVITIES:

A.TYPES AND LOCATIONS OF ALL EROSION CONTROL DEVICES

- B.ESTIMATED TIME EROSION CONTROL DEVICES WILL BE IN OPERATION C.METHODS FOR CONTAINMENT OR REMOVAL OF ERODED MATERIALS FROM DISCHARGES RELATED TO DEWATERING OPERATIONS
- D.METHODS FOR CONTAINMENT OR REMOVAL OF POLLUTANTS OR HAZARDOUS WASTES E.METHODS FOR MAINTENANCE OF EROSION CONTROL DEVICES
- F.SCHEDULES FOR MONITORING AND MAINTAINING EROSION CONTROL DEVICES
- G.NAME AND PHONE NUMBERS OF PERSON RESPONSIBLE FOR MONITORING AND MAINTAINING EROSION CONTROL DEVICES
- THE ENGINEER. 4. THE CONTRACTOR SHALL UPDATE THE SEDIMENT AND EROSION CONTROL PLAN WHENEVER THERE IS A CHANGE IN CONSTRUCTION

3. NO CONSTRUCTION ACTIVITIES SHALL BEGIN UNTIL THE SEDIMENT AND EROSION CONTROL PLAN HAS RECEIVED WRITTEN APPROVAL FROM

- SEQUENCE OR ACTIVITIES THAT HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS OFF SITE OR INTO ANY RECEIVING WATER AND SHALL SUBMIT THE UPDATED PLAN FOR REVIEW AND APPROVAL BY THE ENGINEER. 5. EROSION AND SEDIMENT CONTROLS SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION AND SHALL BE IN PLACE
- BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. 6. FIELD CONDITIONS MAY REQUIRE THE USE OF ADDITIONAL TYPES AND QUANTITIES OF SEDIMENT AND EROSION CONTROL DEVICES
- DURING CONSTRUCTION AS DETERMINED BY THE CONTRACTOR, THE ENVIRONMENTAL INSPECTOR, OR THE ENGINEER.
- 7. THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROL DEVICES PRIOR TO SUSPENSION OF WORK ACTIVITIES EACH DAY, IMMEDIATELY AFTER EACH RAINFALL, AND AT LEAST DAILY DURING PROLONGED RAINFALL TO ENSURE THAT THE DEVICES ARE PROPERLY LOCATED AND MAINTAINED FOR EFFECTIVENESS. ANY REQUIRED REMEDIAL ACTION SHALL BE PERFORMED IMMEDIATELY.
- 8. SEDIMENT TRAPPED BY THE EROSION CONTROL DEVICES IS TO BE REMOVED BY THE CONTRACTOR AFTER EACH RAIN STORM.
- 9. THE AMOUNT OF AREA DISTURBED AT ONE TIME SHALL BE LIMITED TO THE MINIMUM NECESSARY TO ADEQUATELY IMPLEMENT THE WORK. CONSTRUCTION OPERATIONS SHALL BE CONTROLLED TO MINIMIZE UNPROTECTED AREAS EXPOSED TO WEATHER, AND AREAS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED.
- 10. EXCAVATED MATERIAL SHALL NOT BE DEPOSITED IN LOCATIONS WHERE IT COULD BE WASHED AWAY BY HIGH WATER OR BY STORMWATER RUNOFF, AND STOCKPILES SHALL BE COVERED OR ENCIRCLED WITH SEDIMENT CONTAINMENT DEVICES.
- DURING THE INSTALLATION OF STORM DRAIN OR UTILITY PIPING, SYNTHETIC BALE BARRIERS SHALL BE PLACED BELOW THE WORK ZONES TO AID IN CONTROLLING THE TRANSFER OF ERODED MATERIAL OFF SITE.
- 12. NEW AND EXISTING DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SILTATION DURING CONSTRUCTION. BARRIERS SHALL BE PLACED AROUND ALL INCOMPLETE STORMWATER INLETS AND MANHOLES DURING CONSTRUCTION. CURB INLET FILTERS SHALL BE PLACED ACROSS THE THROATS OF ALL EXISTING AND COMPLETED CURB INLETS.
- 13. EXISTING FLOW CAPACITY SHALL BE MAINTAINED IN THE DRAINAGE SYSTEMS TO CONVEY RUNOFF FROM RAIN STORMS THAT OCCUR DURING CONSTRUCTION. EXISTING DRAINAGE PIPES THAT ARE NOTED TO BE PLUGGED OR REMOVED SHALL REMAIN IN SERVICE UNTIL FLOWS CAN BE DIVERTED TO THE NEW DRAINAGE SYSTEM. WHERE NEW PIPES ARE TO BE INSTALLED IN CLOSE PROXIMITY TO EXISTING PIPES THAT ARE TO BE REMOVED. PROVISIONS SHALL BE MADE TO DIVERT FLOWS FROM THE EXISTING PIPES TO THE NEW PIPES. PRIOR TO RAIN STORMS. TEMPORARY PIPES SHALL BE PLACED FOR THIS PURPOSE PRIOR TO SUSPENSION OF WORK ACTIVITIES EACH
- 14. NO MORE THAN 500 FEET OF STORM DRAIN OR UTILITY PIPING SHALL BE INSTALLED WITHOUT BACKFILLING AND COMPACTING THE PIPE
- 15. STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THOSE PORTIONS OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
- 16. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL DISTURBED LAND AREAS SHALL BE COMPLETED IMMEDIATELY AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATIONS, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED.
- 17. THE CONTRACTOR SHALL OBTAIN AN ENVIRONMENTAL MANAGEMENT PERMIT FROM THE CITY OF TALLAHASSEE GROWTH MANAGEMENT DEPARTMENT FOR ALL STOCKPILE AND CONSTRUCTION STAGING AREAS LOCATED OUTSIDE THE LIMITS OF CONSTRUCTION.

SUPPLEMENTAL GENERAL NOTES - TREE PROTECTION:

- BARRICADE FENCING SHALL BE INSTALLED AT OR NEAR THE CRITICAL PROTECTION ZONE OF EACH TREE TO BE PROTECTED PRIOR TO INITIATION OF ANY CONSTRUCTION ACTIVITY, AND THE FENCING SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN
- ALL ROOTS 3/4" IN DIAMETER AND LARGER OF TREES TO BE PROTECTED OR PRESERVED THAT ARE EXPOSED DURING TRENCHING AND EXCAVATION SHALL BE CLEANLY CUT WITH A HANDSAW AND COVERED IMMEDIATELY WITH SOIL OR KEPT MOISTENED WITH WET BURLAP OR PEAT MOSS UNTIL THE TRENCH CAN BE FILLED. WHEN IT IS NOT POSSIBLE TO BACKFILL IN THE SAME DAY, THE ROOTS SHALL BE FRESHLY CUT WITH A HANDSAW A REASONABLE DISTANCE FROM THE ORIGINAL CUT AND BACKFILLED IMMEDIATELY TO AVOID SOIL OR ROOT DEHYDRATION.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE ARBORIST REPORT PREPARED BY DAVID COWLES FOR CITY OF TALLAHASSEE WATER AND SEWER DEPARTMENT AND INCLUDED AS PART OF BIDDING DOCUMENTS. ALL ARBORIST WORK SHALL BE INCLUDED IN THE ARBORIST WORK BID ITEM.

GENERAL NOTES FOR UTILITY RELOCATION:

MEASUREMENT AND PAYMENT

- NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR ADDITIONAL QUANTITIES AND/OR WORK PERFORMED THAT IS NOT INCLUDED IN THE BID FORM OF THE CONTRACT WITHOUT WRITTEN APPROVAL BY THE CITY.
 - WHEN REPAIRS ARE REQUIRED WITHIN THE TWO YEAR WARRANTY PERIOD. THE CONTRACTOR MUST FIRST MAKE ALL NECESSARY REPAIRS, THEN PATCH THE DAMAGED ASPHALT SURFACE IN ACCORDANCE WITH THE JURISDICTIONAL AGENCY'S REQUIREMENTS, AND THEN MILL AND RESURFACE THE FULL ROAD WIDTH WITH 1-INCH THICK SP-9.5 ASPHALT TO A MINIMUM DISTANCE OF 25-FEET EACH DIRECTION FROM THE PAVEMENT CUTS, OR AS REQUIRED BY THE ROADWAY'S JURISDICTIONAL AGENCY. GOVERNING SPECIFICATIONS AND JURISDICTION
 - GOVERNING SPECIFICATIONS FOR CONSTRUCTION OF WASTEWATER (SANITARY) COLLECTION FACILITIES & WATER MAIN ON THIS PROJECT ARE THE CITY OF TALLAHASSEE (COT) TECHNICAL SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, CURRENT EDITION. THE CONTRACTOR MAY ACCESS AND DOWNLOAD THE COT TECHNICAL SPECIFICATIONS FROM THE FOLLOWING INTERNET URL: HTTP://WWW.TALGOV.COM/YOU/YOU-LEARN-UTILITIES-WATER-DESIGN-CONSTRUCTION.ASPX
 - REQUIREMENTS NOT SPECIFICALLY COVERED BY THE GOVERNING SPECIFICATIONS ABOVE MAY BE COVERED BY PLAN NOTES OR SPECIAL PROVISIONS, AND ALL SUCH REQUIREMENTS ARE CONSIDERED AS PART OF THE CONTRACT.

ENVIRONMENTAL MANAGEMENT SYSTEM (EMS)

THE CONTRACTOR IS REQUIRED TO FOLLOW ALL RULES AND REGULATIONS ESTABLISHED BY EMS (ENVIRONMENTAL MANAGEMENT SYSTEM) DOCUMENTS AS WELL AS ANY OTHER PERTINENT RULES AND REGULATIONS THAT RELATE TO THE PROJECT. THE CITY OF TALLAHASSEE UNDERGROUND UTILITIES ENVIRONMENTAL POLICY STATEMENT AND A CONTRACTOR'S INFORMATIONAL BROCHURE ARE AVAILABLE AT HTTP://WWW.TALGOV.COM/YOU/YOU-LEARN-UTILITIES-WATER-EMS-WATER.ASPX

IN A PHASED PROJECT, EACH PHASE MUST BE CAPABLE OF STAND-ALONE OPERATION FOR UTILITY SERVICE, ALL UTILITY ITEMS MUST MEET REQUIREMENTS AS IF THE PHASE WAS THE ONLY PROJECT (NO ITEMS WILL BE LEFT TO COMPLETE WITH A LATER PHASE).

COMPLY WITH ALL OSHA TRENCH SAFETY REQUIREMENTS. SHEETING AND BRACING SHALL BE ADEQUATE TO PREVENT CAVE-IN OF TRENCH WALLS, SUBSIDENCE OF AREAS ADJACENT TO THE TRENCH, DAMAGE TO UTILITIES, AND SLOUGHING OF THE BASE OF THE EXCAVATION DUE TO WATER SEEPAGE. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE ADEQUACY OF ANY SHEETING AND BRACING.

GENERAL CONSTRUCTION CONSIDERATIONS

- IT IS THE INTENT TO MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES, UNLESS OTHERWISE STATED. PUT FORTH EVERY REASONABLE EFFORT TO MINIMIZE DISRUPTION AND DISTURBANCE OF ADJACENT PROPERTIES. ANY INTERRUPTION OF ACCESS MUST BE COORDINATED
- WITH THE AFFECTED PROPERTY OWNERS/TENANTS. NO MODIFICATIONS, PLANNED OR UNPLANNED, TO EXISTING UTILITY SYSTEMS WILL BE ALLOWED WITHOUT APPROVED PLANS AND A CITY UTILITY INSPECTOR ON SITE TO WITNESS THE MODIFICATIONS. VIOLATION OF THIS OBLIGATION MAY REQUIRE THAT THE CONTRACTOR REPLACE ALL MODIFIED COMPONENTS WITH NEW COMPONENTS (I.E., BORED MANHOLE WILL BE REPLACED WITH NEW MANHOLE: TAPPED LINE WILL BE REPLACED WITH 20 FEET OF LINE TO EITHER SIDE OF TAP, OR SIMILAR REPLACEMENTS). IN ADDITION TO THE NEW REPLACEMENTS, FINES MAY BE IMPOSED FOR EACH VIOLATION TO COVER THE COST OF ADDITIONAL ENGINEERING AND INSPECTION

UTILITY LOCATION AND PROTECTION

- NOTIFY SUNSHINE STATE ONE-CALL OF FLORIDA AT LEAST FIVE DAYS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES. LOCATE AND PROTECT ALL UTILITIES. THE INFORMATION SHOWN ON THE DRAWINGS CONCERNING SIZE, TYPE, AND LOCATION OF INDERGROUND AND OTHER UTILITIES IS BASED ON INFORMATION PROVIDED BY THE UTILITY OWNERS, AVAILABLE RECORDS, AND FIELD SURVEY INFORMATION. THE INFORMATION MAY NOT REFLECT ACTUAL CONDITIONS, INCLUDE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED, OR SHOW THE UTILITIES IN THE CORRECT HORIZONTAL OR VERTICAL LOCATIONS. THE CONTRACTOR WILL MAKE THEIR OWN DETERMINATION AS TO SIZE, TYPE, AND LOCATION OF EXISTING UTILITIES AS NECESSARY TO AVOID DAMAGE FROM
- ALL UTILITIES (MAINS AND SERVICES) WITHIN THE LIMITS OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL SUCH TIME AS THE SYSTEM(S) IS DEEMED ACCEPTED BY THE CITY. THE CONTRACTOR WILL BE NOTIFIED OF ACCEPTANCE IN WRITING AFTER THE CITY RECEIVES APPROVED AS—BUILT DRAWINGS. THE CONTRACTOR IS LIABLE FOR ANY DAMAGES TO THE UTILITY SYSTEMS CAUSED BY THE INSTALLATION OF ANY OTHER UTILITIES. PRIOR TO ACCEPTANCE, PROVIDE ALL FIELD UTILITY LOCATIONS IN ACCORDANCE WITH UTILITY LOCATION STANDARDS AS ESTABLISHED BY THE AMERICAN PUBLIC WORKS ASSOCIATION.
- THE CONTRACTOR IS ADVISED THAT UNDERGROUND GAS, ELECTRICAL DISTRIBUTION, AND COMMUNICATION FACILITIES MAY BE PRESENT THROUGHOUT THE WORK LIMITS THE CONTRACTOR WILL NOTIFY THE ELECTRIC UTILITY A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION IN THE VICINITY OF THEIR
- EXISTING COT-OWNED POTABLE WATER, RECLAIMED WATER, WASTEWATER COLLECTION, AND GAS FACILITIES SHALL REMAIN IN-PLACE UNLESS OTHERWISE DESIGNATED IN THE PLANS TO BE REMOVED.
- REPAIR OR REPLACE AT CONTRACTOR'S OWN EXPENSE, ANY SERVICE LATERALS, VALVES, MAINS, FORCE MAINS, FIRE HYDRANTS, OR OTHER COT-OWNED POTABLE WATER, WASTEWATER, OR GAS FACILITIES THAT ARE DAMAGED BY THE CONTRACTOR'S ACTIVITIES. PRIOR TO ANY SCHEDULED INTERRUPTION OF UTILITY SERVICE, THE CONTRACTOR WILL COORDINATE SUCH INTERRUPTIONS WITH THE ITILITY PROVIDER AND WILL PROVIDE A MINIMUM 24-HOUR NOTICE TO THE AFFECTED PARTIES. IN THE CASE OF A WATER MAIN SHUT
- DOWN, A MINIMUM 24-HOUR NOTICE ALSO WILL BE PROVIDED TO THE TALLAHASSEE FIRE DEPARTMENT. SUPPORT ALL EXISTING ACTIVE UTILITIES THAT CROSS CONSTRUCTION TRENCHES TO PREVENT JOINT SEPARATION AND DAMAGE TO SAID MAINS. THE RESPONSIBILITY FOR THE ADEQUACY OF ANY REQUIRED SUPPORT SYSTEMS BELONGS TO THE CONTRACTOR. THE COST OF UTILITY SUPPORT SYSTEMS IS CONSIDERED INCIDENTAL TO THE PAY ITEMS IN THE CONTRACT FOR UTILITY PIPE. NO SEPARATE PAYMENT
- THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS, METHODS, EQUIPMENT, LABOR, SUPERVISION, AND MATERIALS NECESSARY TO DRAIN, RANSPORT, PUMP, AND/OR OTHERWISE DISPOSE OF ANY RESIDUAL WASTEWATER CONTAINED IN EXISTING OR NEW GRAVITY SEWERS
- AND FORCE MAINS IN ACCORDANCE WITH THE WASTEWATER MANAGEMENT PLAN. IN THE EVENT THAT WASTEWATER FLOW DIVERSION IS NEEDED ON THIS PROJECT TO COMPLETE PIPING MODIFICATIONS. TH CONTRACTOR WILL BE REQUIRED TO PHYSICALLY STAFF THE FLOW DIVERSION EQUIPMENT 24 HOURS A DAY, 7 DAYS A WEEK UNTIL THE FLOW DIVERSION IS NO LONGER NEEDED. THE COST FOR STAFFING THE FLOW DIVERSION EQUIPMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNIT PRICES FOR UTILITY PIPE AND NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK, UNLESS SPECIFICALLY NOTED OTHERWISE.

- NOTIFY THE GAS UTILITY A MINIMUM OF TWO WORKING DAYS PRIOR TO ANY EXCAVATION IN THE VICINITY OF GAS MAINS, AS REQUIRED BY CHAPTER 77-153 OF THE FLORIDA STATUTES. A GAS DEPARTMENT INSPECTOR WILL BE ON SITE WHEN WORK ACTIVITIES TAKE
- PLACE NEAR GAS MAINS THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING GAS FACILITIES BY SAID CONTRACTOR OR DESIGNEES. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ALL GAS VALVE BOXES TO FINISH GRADE DURING THE PAVEMENT RESTORATION
- NOTIFY THE CITY GAS DEPARTMENT IMMEDIATELY IF ANY GAS MAIN IS NICKED, SCRATCHED, CUT OR OTHERWISE DAMAGED SO THAT
- EPAIRS CAN BE MADE PROMPILY THE CONTRACTOR IS RESPONSIBLE TO HAVE ALL GAS MAINS LOCATED PRIOR TO DIGGING IN VICINITY OF GAS MAINS AND TO USE DUE CAUTION WHEN DOING SO.

POTABLE WATER MAINS

- POTABLE WATER SERVICE WILL BE MAINTAINED TO RESIDENCES AND BUSINESSES AT ALL TIMES, EXCEPT DURING THE TRANSFER OF SERVICES.
- KEEP FIRE HYDRANTS OPERABLE AND ACCESSIBLE AT ALL TIMES. DO NOT PLACE EQUIPMENT OR MATERIALS WITHIN 15 FEET OF ANY FIRE HYDRANT. FIRE HYDRANTS TAKEN OUT-OF-SERVICE SHALL BE COVERED WITH BAGS, OR AS DIRECTED BY THE CITY'S INSPECTOR, TO CLEARLY INDICATE THAT THE HYDRANT IS INOPERABLE. THE CONTRACTOR SHALL REPORT OUT OF SERVICE HYDRANTS TO THE CITY NSPECTOR FOR NOTIFICATION TO THE FIRE DEPARTMENT DISPATCH CENTER.
- DO NOT CUT, CAP, OR PLUG EXISTING LOOPED PUBLIC POTABLE WATER MAINS WITHOUT THE PRIOR APPROVAL OF THE CITY. REPLACE ALL EXISTING SERVICES WITHIN THE CONSTRUCTION LIMITS, WHETHER SHOWN OR NOT, INSTALL NEW METER SETTINGS TO THE RIGHTS-OF-WAY LINES (UNLESS OTHERWISE NOTED), RECONNECT AND TEST ANY BACK FLOW DEVICES AND/OR PRESSURE REDUCING VALVES, AND RECONNECT TO THE CUSTOMERS' PLÚMBING. WHERE THERE IS MORE THAN ONE METER AT A TAP, A NEW MANIFOLD WILL BE BUILT AND INSTALLED PER THE LATEST WATER DETAIL SHEET. IT IS THE CONTRACTOR'S RESPONSIBILITIES TO FIELD INSPECT AND DETERMINE THE LOCATION AND NUMBER OF METERS AT A TAP.
- SET METER BOXES WITH ADECLIATE ROOM BEHIND THE METER TO REPAIR LEAKS WITHOUT DIGGING LIP SIDEWALKS PAVEMENT WALLS PRINKLER LINES, ETC.; THERE WILL BE NO BOXES IN SWALES, UNDER DOWN SPOUTS, NEXT TO CONDENSATE DRAINS OR ANY OTHER SIMILAR SITUATION THAT MAY FILL THE BOX WITH WATER AND/OR MUD. NO STANDING WATER WILL BE ALLOWED IN METER BOXES.

WASTEWATER MAINS

- MAINTAIN WASTEWATER COLLECTION SERVICE TO ALL CUSTOMERS AT ALL TIMES. PROVIDE WASTEWATER FLOW DIVERSION, AS NEEDED, TO MAINTAIN CONTINUOUS SANITARY SEWER SERVICE DURING CONSTRUCTION. WASTEWATER FLOW DIVERSION MAY CONSIST OF BY-PASS PUMPING, PUMPS, TRUCKS AND TRANSPORTATION; OR ANY OTHER METHOD APPROVED BY THE CITY. DISPOSE OF SANITARY SEWER STRUCTURES AND PIPING, WHICH ARE REMOVED TO CONSTRUCT NEW SANITARY SEWER FACILITIES. THE
- EXISTING SANITARY SEWER PIPING AND STRUCTURES THAT ARE DESIGNATED ON THE PLANS TO BE PLACED OUT-OF-SERVICE (IN PLACE) SHALL BE PLUGGED AT INFLUENT AND EFFLUENT ENDS WITH MASONRY PLUGS UNLESS OTHERWISE NOTED. EXISTING STRUCTURES SHALL BE REMOVED THREE FEET BELOW FINISHED GRADE AND FILLED WITH EXCAVATABLE FLOWABLE FILL. THE COST IS NCIDENTAL TO PAY ITEMS FOR NEW SANITARY SEWER STRUCTURES AND PIPING.

COST IS INCIDENTAL TO PAY ITEMS FOR NEW SANITARY STRUCTURES AND PIPING.

- SANITARY SEWER SERVICES THE PLANS SHOW APPROXIMATE LOCATIONS OF ACTIVE AND INACTIVE SEWER SERVICE LATERALS, BASE ON PIPELINE INSPECTIONS CONDUCTED BY THE CITY. FIELD-VERIFY THE SIZE, MATERIAL AND LOCATION OF EXISTING ACTIVE SEWER LATERALS. ADJUST AND RECONNECT LATERALS AT THEIR FIELD-VERIFIED LOCATIONS AND SIZES, UNLESS OTHERWISE DIRECTED BY THE CITY. INSPECT ACTIVE PVC SEWER SERVICE LATERALS AND REPLACE IF NEEDED. TIE NEW SEWER SERVICE LATERALS TO EXISTING LATERALS WITH A CLEAN OUT AT THE PROPERTY LINE. PLUG INFLUENT AND EFFLUENT ENDS OF INACTIVE SEWER SERVICES WITH GROUT TO PLACE THEM OUT-OF-SERVICE.
- SANITARY SEWER LATERALS THAT ARE TO BE CONSTRUCTED MAY BE INSTALLED BY OPEN-CUT, PIPE BURSTING OR OTHER TECHNIQUES ACCEPTABLE TO THE CITY. THE BID PRICE SHALL BE FULL COMPENSATION FOR SUCH INSTALLATIONS. PIPE BURSTING REQUIRES PRE AND POST CONSTRUCTION TV INSPECTIONS.

PROJECT CLOSE-OUT

REMOVED AND RAIN DISHES INSTALLED (WHEN REQUIRED).

- IN ADDITION TO THE DOCUMENTS FOR CONTRACT CLOSE-OUT AND FINAL PAYMENT REQUIRED BY THE CITY'S MANAGEMENT AND ADMINISTRATION DEPARTMENT, PROVIDE THE FOLLOWING DOCUMENTS AND/OR VERIFICATION TO THE CITY'S CONSTRUCTION INSPECTION MANAGER FOR REVIEW AND APPROVAL BEFORE FINAL PAYMENT IS AUTHORIZED:
- ALL SEWER DEFICIENCIES, INCLUDING STRUCTURAL DAMAGE, DEFLECTIONS, DEBRIS, SAND, SEDIMENT, AND/OR INFILTRATION DISCOVERED DURING THE CLOSED CIRCUIT TV (CCTV) INSPECTIONS ARE REPAIRED. THE SEWER LINE WILL BE CCTV INSPECTED AFTER ANY REPAIRS TO DETERMINE IF THE DEFICIENCIÈS ARE CORRECTED. ALL MANHOLES ARE INSPECTED BEFORE FINAL CCTV INSPECTION OF THE SEWERS. MANHOLES ARE CLEANED, WITH ALL PLUGS
- ALL MANHOLES AND VALVE BOXES ARE RAISED TO THEIR FINISH ELEVATIONS WITH ASPHALT IN PLACE. ALL MANHOLES AND VALVE BOXES MUST BE RAISED BEFORE THE FINAL CCTV INSPECTION OF THE SEWER, WHICH MUST BE COMPLETED BEFORE THE SEWER IS PLACED INTO SERVICE.
- ALL SERVICES ARE STAKED AND HAVE AN EMS LOCATING DEVICE PLACED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS AND A LETTER OF ACCEPTANCE HAS BEEN ISSUED BY THE CITY. COPIES OF ALL TESTING RESULTS, INCLUDING ALL COMPACTION DENSITY, AND OTHER REQUIRED TESTS IN ACCORDANCE WITH THE
- COMPLETE RESTORATION OF ALL ROADWAYS (INCLUDING STRIPING, SIGNAGE, SIGNALS, ETC.), SIDEWALKS, DRIVEWAYS, LANDSCAPING, EASEMENTS, STAGING AREAS, AND/OR ANY OTHER AREAS DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION, OR DUE TO
- CONSTRUCTION ACTIVITIES. ALL REQUIRED DOCUMENTATION (INCLUDING AS-BUILT DRAWINGS AND CAD FILES) MUST BE RECEIVED BY THE CITY'S INSPECTION MANAGER BEFORE REQUESTING UTILITY SERVICE AND BEFORE A FINAL ACCEPTANCE LETTER WILL BE ISSUED.

REMOVAL & DISPOSAL OF EXISTING PIPING (WATER & WASTEWATER)

THIS ITEM CONSISTS OF COMPLETELY REMOVING AND DISPOSING OF EXISTING WATER OR WASTEWATER PIPING AT LOCATIONS DESIGNATED ON THE PLANS. THIS WORK IS INTENDED FOR THE REPLACEMENT OF DETERIORATING PIPE, OR REMOVAL OF ABANDONED PIPING. THE WORK INCLUDED IN THIS ITEM IS COMPLETE AND INCLUDES ALL EQUIPMENT, MATERIALS AND LABOR, PIPE ENVELOPE MATERIALS, ALL EXCAVATION, BACKFILL, COMP[ACTION, DISPOSAL OF EXCESS MATERIAL, ALL TEMPORARY PAVING AND CONCRETE RELATED ITEMS (SIDEWALKS, DRIVEWAYS, CURB AND/OR GUTTER), SOD, COSTS FOR BARRICADING, TRENCH SAFETY AND SUPPORT, EROSION CONTROL DEVICES SUCH AS SILT FENCE AND HAY BALES, AND ALL OTHER WORK ASSOCIATED WITH THIS ITEM.

MEASUREMENT AND PAYMENT WILL BE BY THE HORIZONTAL LINEAL FOOT OF WATER/WASTEWATER PIPE REMOVED AND DISPOSED OF.

ADJUST AND/OR RELOCATE WATER METER AND BOX

THIS ITEM CONSISTS OF ADJUSTING AND/OR RELOCATING EXISTING WATER METER BOXES THAT ARE IN CONFLICT WITH NEW PROPOSED SIDEWALKS, DRAINAGE STRUCTURES, AND OTHER ROADWAY FEATURES. THIS ITEM INCLUDES ADJUSTING AND RECONNECTING ALL SERVICE PIPING FROM SIZES 5/8-INCH THROUGH AND INCLUDING 1-INCH. PERFORM ALL WORK IN ACCORDANCE WITH SECTION 8, DISTRIBUTION AND TRANSMISSION SYSTEM VALVES AND APPURTENANCES. OF THE CITY TECHNICAL SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION. ANY EXTENSIONS, ALTERATIONS, OR RELOCATIONS TO THE SERVICE REQUIRED TO ADJUST THE METER BOX AND METER ARE INCLUDED IN THIS ITEM. IF THE METER IS DETERMINED BY THE CITY INSPECTOR TO BE DEFECTIVE, THE CITY WILL FURNISH A REPLACEMENT METER. THE WORK INCLUDED IN THIS ITEM ARE ANY COST FOR PIPE, EQUIPMENT, MATERIALS AND LABOR, ALL BORING, TAPPING, CROSSING OTHER UTILITIES, COSTS FOR BARRICADING, TRENCH SAFETY AND SUPPORT OF THESE SERVICES. BACKFILL, COMPACTION, TEMPORARY AND PERMANENT GRASSING, REPLANTING CUSTOMER'S DAMAGED SHRUBS, ALL TEMPORARY PAVING AND CONCRETE RELATED ITEMS (SIDEWALK, DRIVEWAYS, CURB AND/OR GUTTER), AND ALL OTHER RELATED INCIDENTAL WORK.

MEASUREMENT AND PAYMENT WILL BE PER EACH. COMPLETE AND IN-PLACE. THIS ITEM IS A CONTINGENT ITEM AND PAYMENT WILL

BE MADE ONLY IF DIRECTED BY THE CITY INSPECTOR. THE BID PRICE FOR THIS ITEM IS NOT SUBJECT TO RENEGOTIATIONS DUE TO QUANTITY OVER RUN OR UNDER RUN.

RELOCATE BACKFLOW PREVENTION ASSEMBLY

THIS ITEM CONSISTS OF RELOCATING, TESTING, REPAIRING (IF NECESSARY), AND CERTIFYING BACKFLOW PREVENTION ASSEMBLIES IN APPLICATIONS WHERE EXISTING METERS ARE FOLLOWED BY PRIVATE BACKFLOW PREVENTION ASSEMBLIES. EXECUTION OF THIS ITEM SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE CITY OF TALLAHASSEE RULES AND REGULATIONS FOR BACKFLOW PREVENTION AND CROSS-CONNECTION CONTROL.

MEASUREMENT AND PAYMENT SHALL BE PER EACH, COMPLETE AND IN-PLACE. THIS ITEM INCLUDES ANY COST FOR PIPE EQUIPMENT, MATERIALS, LABOR, PERMANENT GRASSING, REPLANTING CUSTOMER'S DAMAGED SHRUBS, AND ALL OTHER RELATED INCIDENTAL WORK. THIS ITEM IS A CONTINGENT ITEM AND PAYMENT WILL BE MADE ONLY IF DIRECTED BY THE CITY INSPECTOR. THE BID PRICE FOR THIS ITEM IS NOT SUBJECT TO RENEGOTIATIONS DUE TO QUANTITY OVER RUN OR UNDER RUN.

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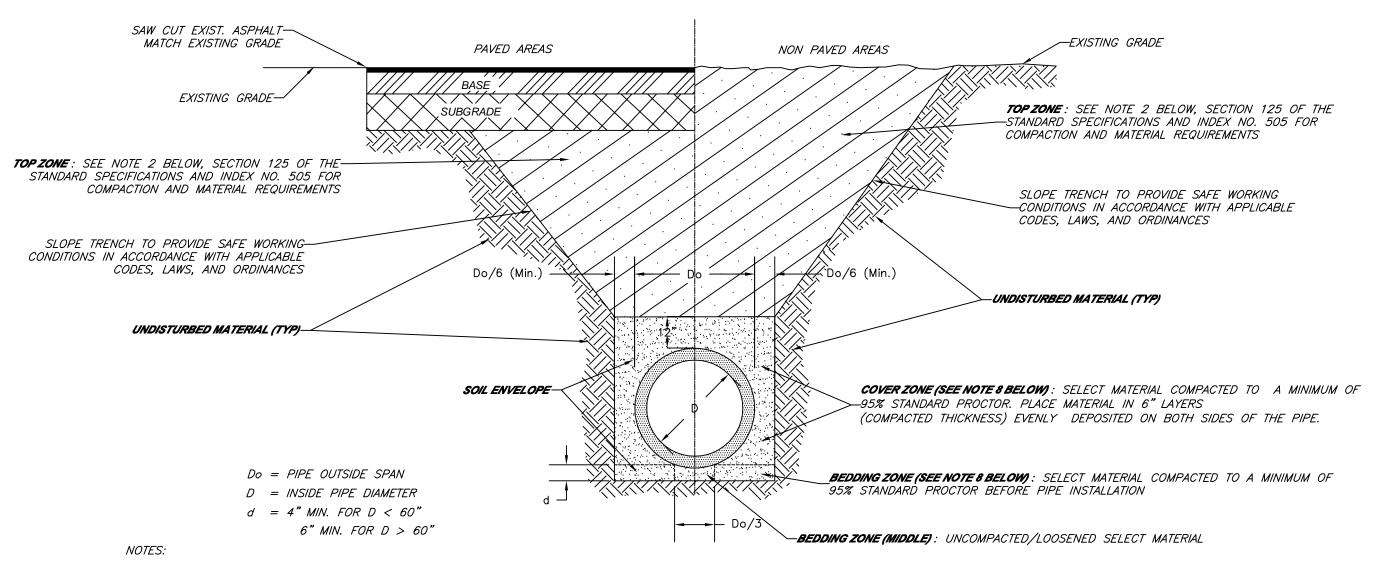
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- 1. THE SOIL ENVELOPE SHALL USE MATERIAL MEETING AASHTO CLASSIFICATION OF A-1 SAND, A-3, OR A-2-4. FOR REINFORCED CONCRETE PIPE WITH DIAMETERS 30-INCHES OR GREATER, THE CONTRACTOR MAY CHOOSE TO REDUCE THE COVER ZONE TO THE SPRINGLINE OF THE PIPE. COST FOR SELECT MATERIAL FOR THE SOIL ENVELOPE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES ASSOCIATED WITH THIS WORK.
- 2. THE TOP ZONE SHALL USE MATERIAL AS DEFINED IN INDEX NO. 505. NO A—4 MATERIAL SHALL BE PLACED BELOW THE WATER LEVEL. IF PLACED BELOW THE WATER LEVEL, A-2-4 MATERIAL MUST BE NONPLASTIC AND CONTAIN LESS THAN 15% PASSING THE NO. 200 SEIVE. IN PAVED AREAS HIGH PLASTIC AND/OR MUCK MATERIALS WILL NOT BE ALLOWED AS BACKFILL. IN NON—PAVED AREAS MUCK MATERIAL WILL NOT BE ALLOWED AS BACKFILL, UNLESS SPECIFICALLY SHOWN OTHERWISE IN THE PLANS OR SPECIFICATIONS, (E.G., LITTORAL SHELVES AND WETLAND RESTORATION AREAS).
- 3. TRENCHES ARE TO BE EXCAVATED IN ACCORDANCE WITH SUBARTICLE 125-4.4 OF THE STANDARD SPECIFICATIONS.
- 4. IF THE TRENCH IS OVEREXCAVATED, BACKFILL AND RECOMPACT IN ACCORDANCE WITH SECTION 125-9.2.1. MUCK AND ORGANIC MATERIAL SHALL NOT BE ALLOWED AS BACKFILL IN OVEREXCAVATED AREAS.
- 5. HAND DIG FOR BELL JOINTS. BEARING FROM JOINT TO JOINT WILL NOT BE ALLOWED.
- 6. PIPES ARE TO BE INSTALLED IN DRY TRENCHES. OPEN TRENCH PUMPING FOR DEWATERING SHALL NOT BE ALLOWED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- 7. BACKFILL SHALL BE PLACED IN LIFTS THIN ENOUGH TO ALLOW COMPACTION TO BE ACHIEVED. LIFTS IN EXCESS OF TWELVE INCHES, MEASURED LOOSE, SHALL NOT BE ALLOWED.
- 8. IF THE PIPE IS BENEATH OR WITHIN 5-FEET OF ANY BUILDING, COMPACT TO 100% STANDARD PROCTOR. IF THE PIPE IS NEAR ANY STRUCTURE, COMPACT TO 100% STANDARD PROCTOR FOR A DISTANCE OF AT LEAST ONE PIPE DIAMETER, BUT NOT LESS THAN THREE FEET FROM THE OUTSIDE FACE OF THE STRUCTURE

STORM DRAIN PIPE INSTALLATION

DOUBLE

SLOT

0.89 CY

0.94 CY

SCALE: NTS

NONTRAVERSABLE SLOT

CONCRETE QUANTITIES

SINGLE

SLOT

0.64 CY

0.67 CY

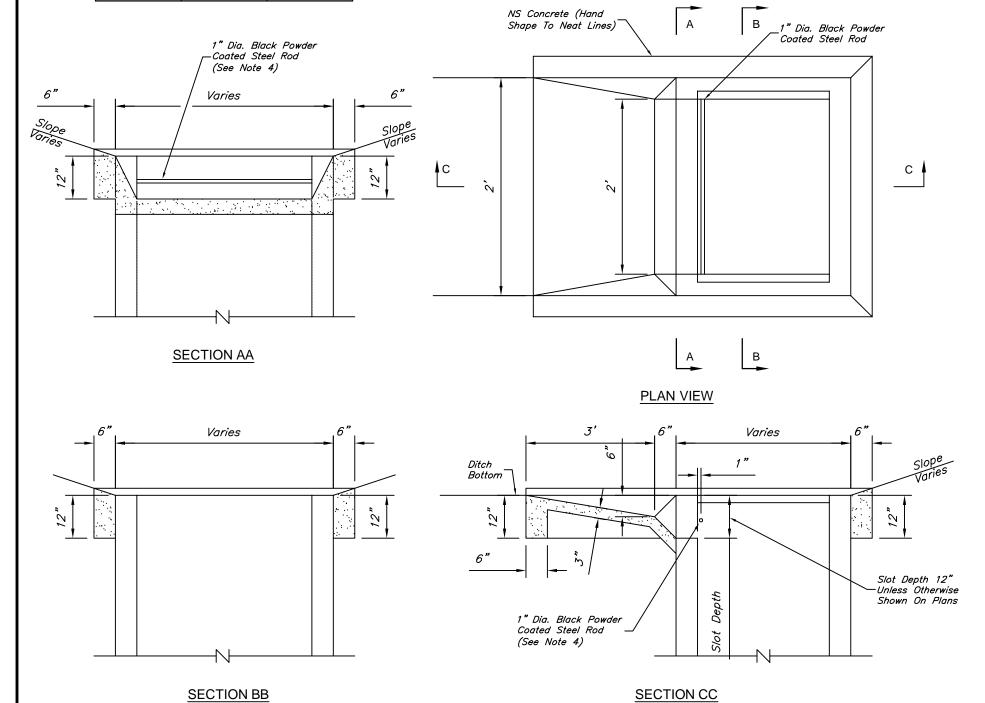
MODIFIED NON-TRAVERSABLE SLOT

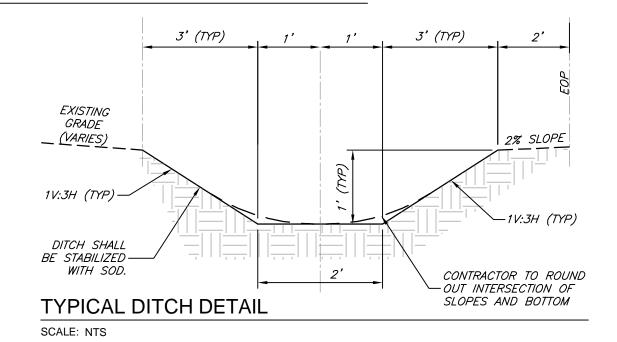
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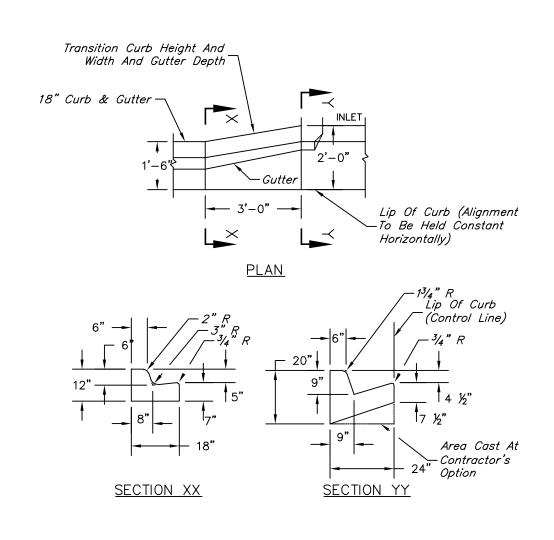
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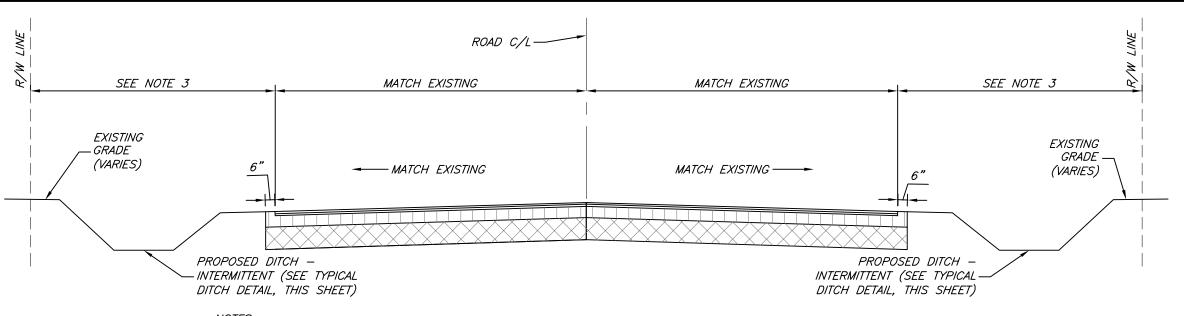
- 1. SLOTS MAY BE CONSTRUCTED ON EITHER OR BOTH ENDS OF INLET AS SHOWN ON THE PLANS.
- 2. STEEL GRATES ARE TO BE USED ON ALL INLETS WITH NONTRAVERSABLE SLOTS.
- 3. COST OF SLOTS IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE INLET. 4. BLACK POWDER COATED STEEL ROD IS TO BE LOCATED VERTICALLY IN CENTER OF OPENING, COST TO FURNISH AND INSTALL ROD IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE INLET.
- 5. QUANTITIES LISTED ARE BASED ON 12" DEEP SLOT AND ARE PROVIDED FOR







GUTTER TRANSITION FOR USE WITH 18" CURB & GUTTER SCALE: NTS



1. NEW PAVEMENT SHALL MATCH THE WIDTH, CROWN ELEVATION, AND CROSS

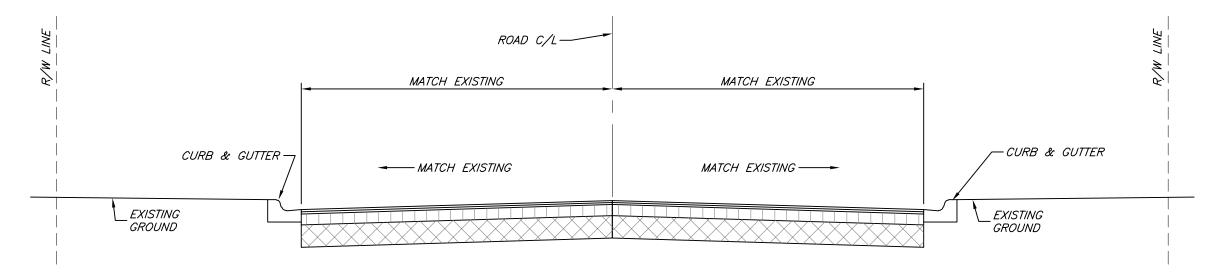
- SLOPE OF EXISTING PAVEMENT. 2. SAW CUT EXISTING PAVEMENT PERPENDICULAR TO ROAD AT BEGINNING AND
- END OF PAVEMENT REPLACEMENT.
- 3. SEE SHEET 8 FOR FOR LOCATIONS OF PROPOSED ROADSIDE DITCH IMPROVEMENTS.

PAVEMENT SECTION: SHORT STREET: 2" SP-9.5 (2 1" LAYERS) 6" LIMEROCK BASE (LBR 100)

12" TYPE "B" STABILIZED SUBGRADE (LBR 40)

TYPICAL SECTION - PAVEMENT REMOVAL / REPLACEMENT

SCALE: NTS (STATION 30+31 TO 38+62)



1. WHERE EXISTING CURB AND GUTTER IS REPLACED, NEW CURB AND GUTTER SHALL MATCH THE LOCATION AND ELEVATION OF EXISTING CURB AND

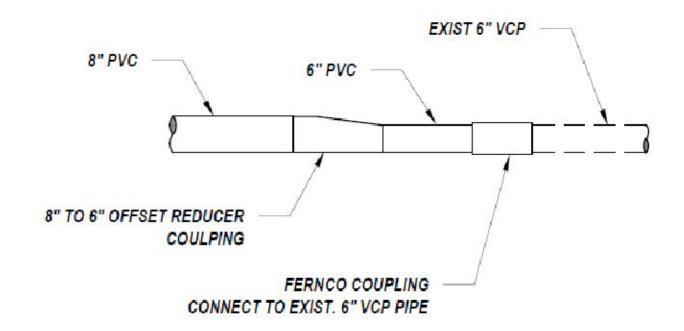
- 2. NEW PAVEMENT SHALL MATCH THE WIDTH, CROWN ELEVATION, AND CROSS SLOPE OF EXISTING PAVEMENT.
- 3. SAW CUT EXISTING PAVEMENT PERPENDICULAR TO ROAD AT BEGINNING AND END OF PAVEMENT REPLACEMENT.

PAVEMENT SECTION: SHORT STREET: 2" SP-9.5 (2 1" LAYERS) 6" LIMEROCK BASE (LBR 100) 12" TYPE "B" STABILIZED SUBGRADE (LBR 40)

PAVEMENT SECTION: LUCY STREET: 2" SP-9.5 (2 1" LAYERS) 6" LIMEROCK BASE (LBR 100) 12" TYPE "B" STABILIZED SUBGRADE (LBR 40)

TYPICAL SECTION - PAVEMENT REMOVAL / REPLACEMENT

SCALE: NTS (STATION 10+03 TO 10+91 AND STATION 14+43 TO 16+32 AND STATION 38+62 TO 41+75)



PROFILE VIEW

EXIST SEWER MAIN TIE-IN CONNECTION FOR 8" PVC TO 6" VCP CONNECTIONS SCALE: NTS

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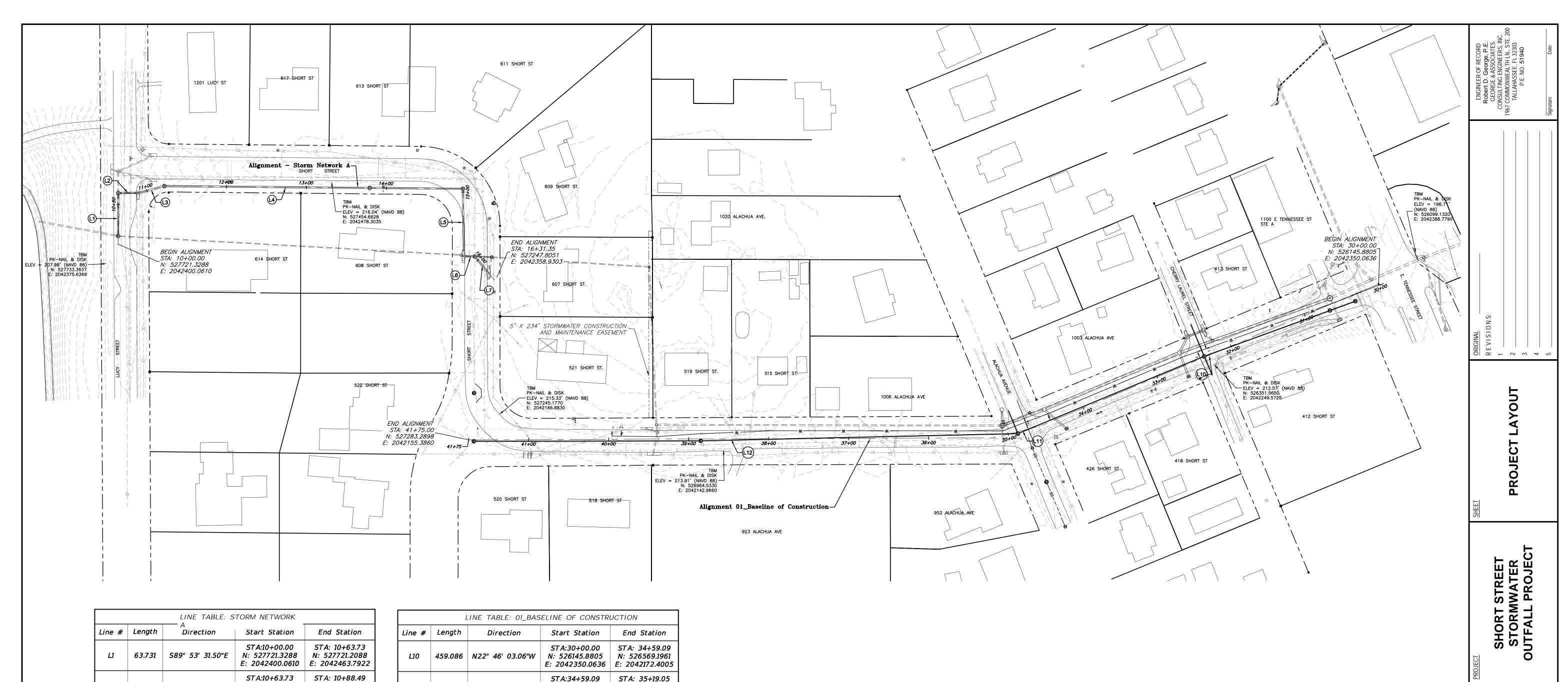
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	LINE TABLE: STORM NETWORK								
Line #	ne # Length Direction		Start Station	End Station					
L1	63.731	S89° 53' 31.50"E	STA:10+00.00 N: 527721.3288 E: 2042400.0610	STA: 10+63.73 N: 527721.2088 E: 2042463.7922					
L2	24.761	500° 04' 57.97"W	STA:10+63.73 N: 527721.2088 E: 2042463.7922	STA: 10+88.49 N: 527696.4476 E: 2042463.7564					
L3	34.077	S14° 57' 08.93"E	ST A:10+88.49 N: 527696.4476 E: 2042463.7564	STA: 11+22.57 N: 527663.5244 E: 2042472.5489					
L4	373.212	S00° 30' 06.04"W	ST A:11+22.57 N: 527663.5244 E: 2042472.5489	STA: 14+95.78 N: 527290.3271 E: 2042469.2811					
L5	84.393	589° 17' 03.69"W	STA:14+95.78 N: 527290.3271 E: 2042469.2811	STA: 15+80.17 N: 527289.2730 E: 2042384.8942					
L6	13.705	501° 20' 28.22"W	STA:15+80.17 N: 527289.2730 E: 2042384.8942	STA: 15+93.88 N: 527275.5714 E: 2042384.5734					
L7	37.932	S50° 18' 03.65"W	ST A:15+93.88 N: 527275.5714 E: 2042384.5734	STA: 16+31.81 N: 527251.3424 E: 2042355.3884					

LINE TABLE: 01_BASELINE OF CONSTRUCTION								
Line #	Length	Length Direction Start Station		End Station				
L10	459.086	N22° 46′ 03.06″W	STA:30+00.00 N: 526145.8805 E: 2042350.0636	STA: 34+59.09 N: 526569.1961 E: 2042172.4005				
L11	59.966	N14° 08' 19.99"W	STA:34+59.09 N: 526569.1961 E: 2042172.4005	STA: 35+19.05 N: 526627.3457 E: 2042157.7524				
L12	655.948	N00° 12' 24.12"W	ST A:35+19.05 N: 526627.3457 E: 2042157.7524	STA: 41+75.00 N: 527283.2898 E: 2042155.3860				

ELEVATIONS ARE BASED ON NAVD88 DATUM ESTABLISHED ON SITE BY THE SURVEYOR.

SCALE:1" = 60'

DRAWN DESIGNED MAF CHECKED JWM

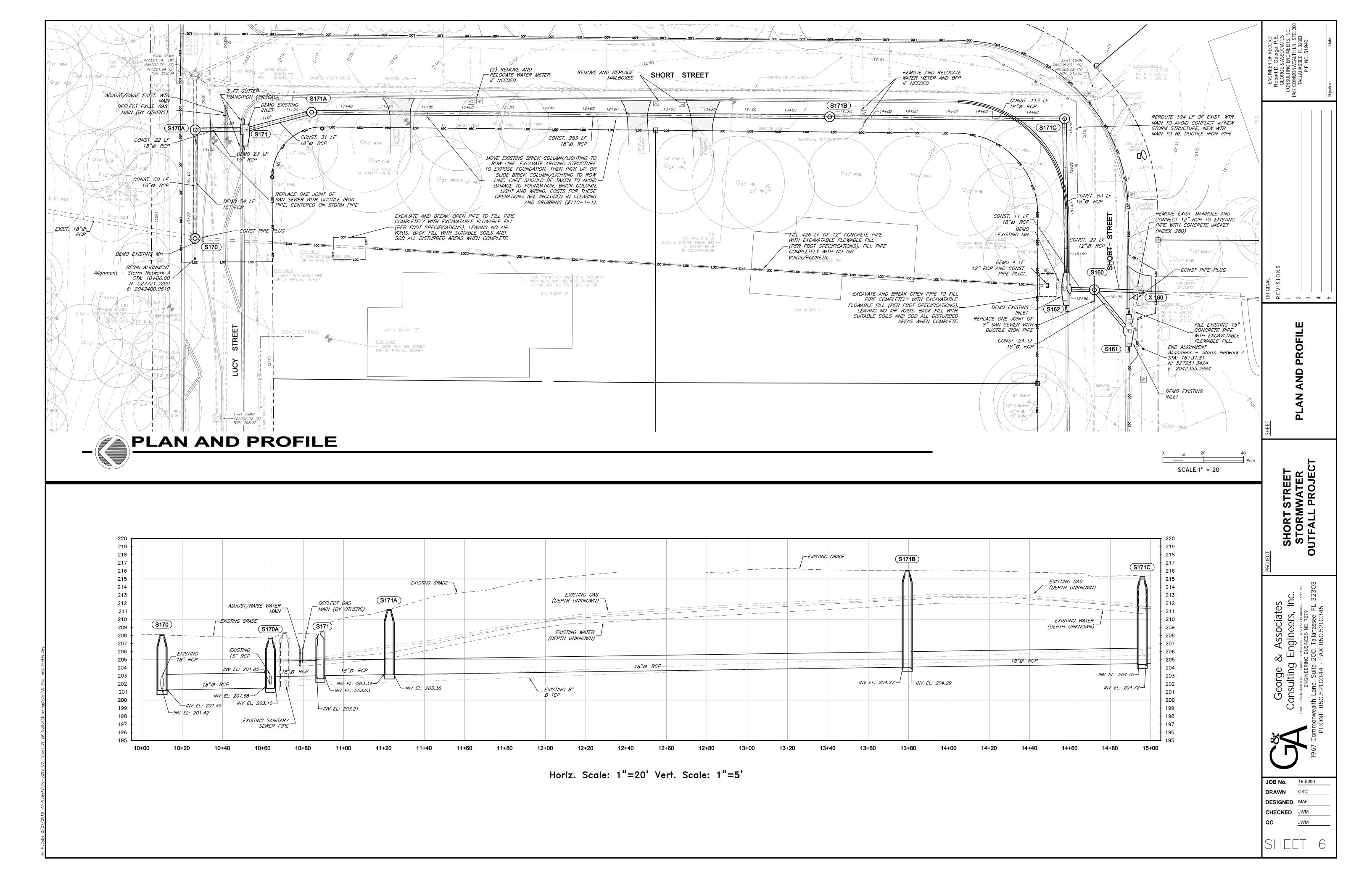
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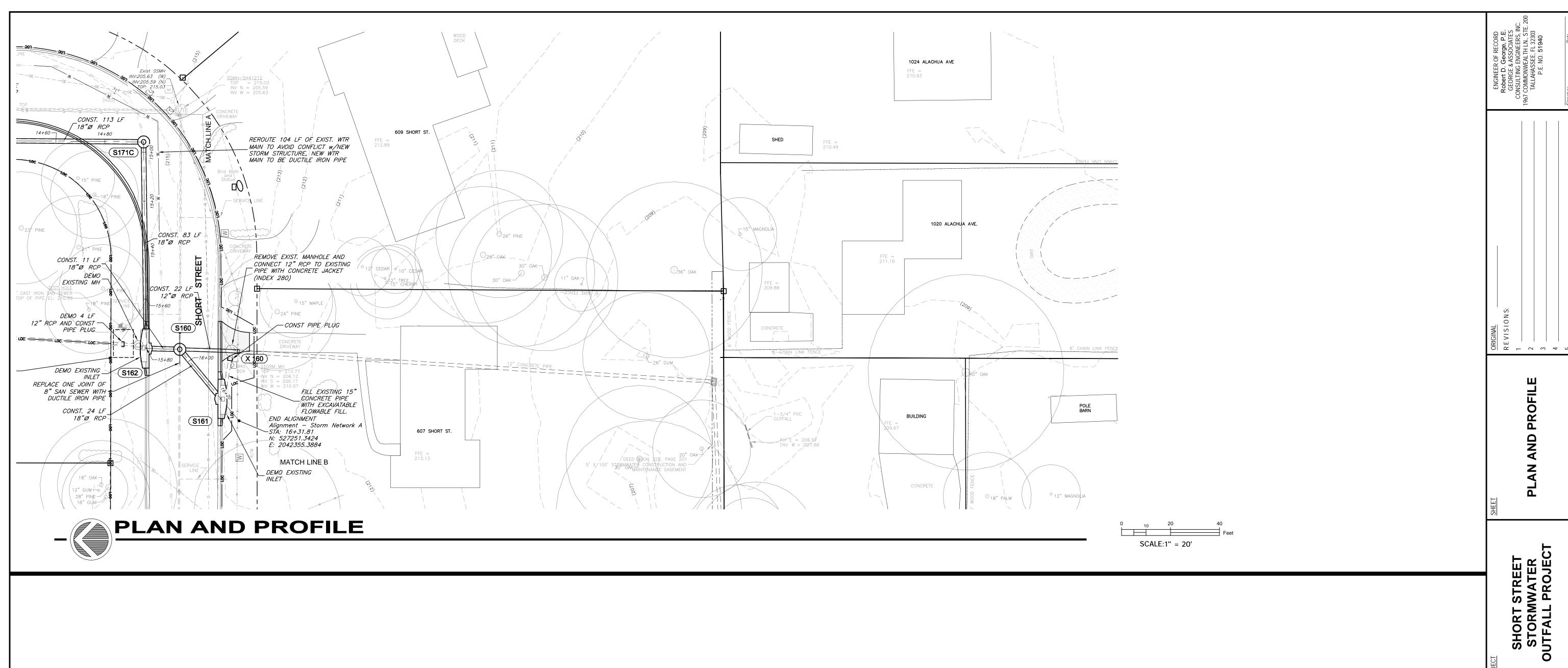
CIVIL - ENVIRONMENTAL - TRANSPORTATION - SYSTEMS PLANNING - LAND USE
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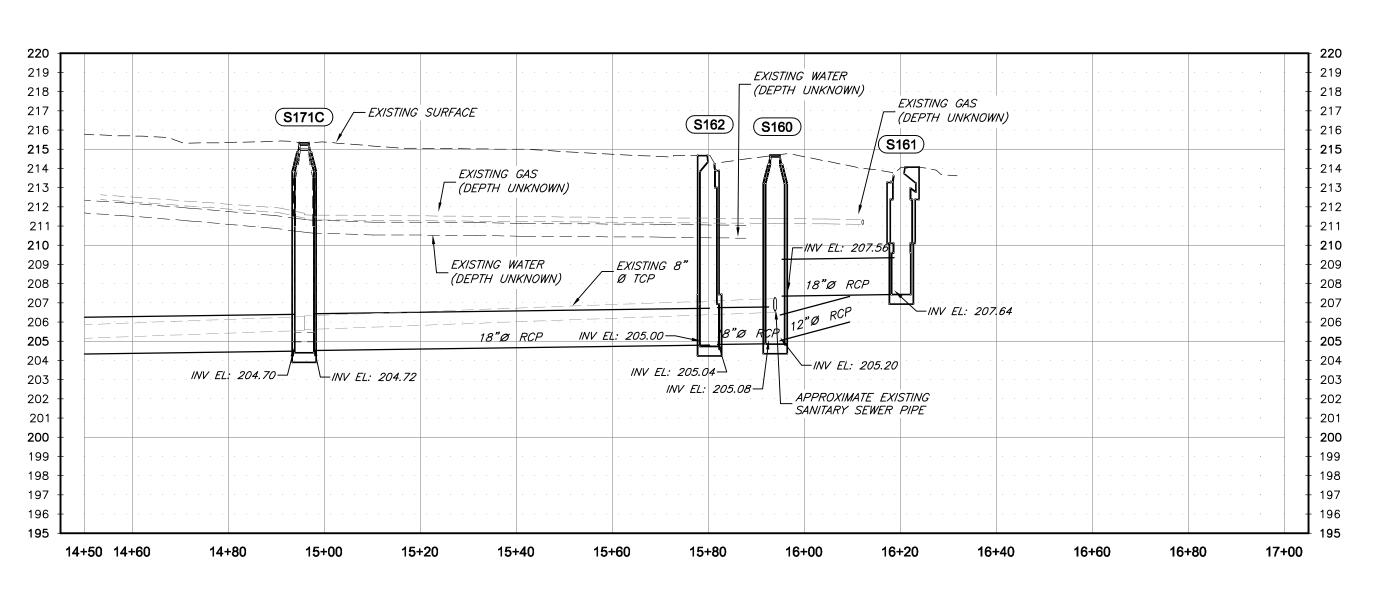
Wealth Lane, Suite 200, Tallahassee, FL 32303

NE 850.521.0344 - FAX 850.521.0345

PROJECT LAYOUT







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gineers, Inc.
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TONWEAITH Lane, Suite 200, Tallahassee, FL 3230.
ONE 850.521.0344 - FAX 850.521.0345

JOB No. 16-5299

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DESIGNED MAF

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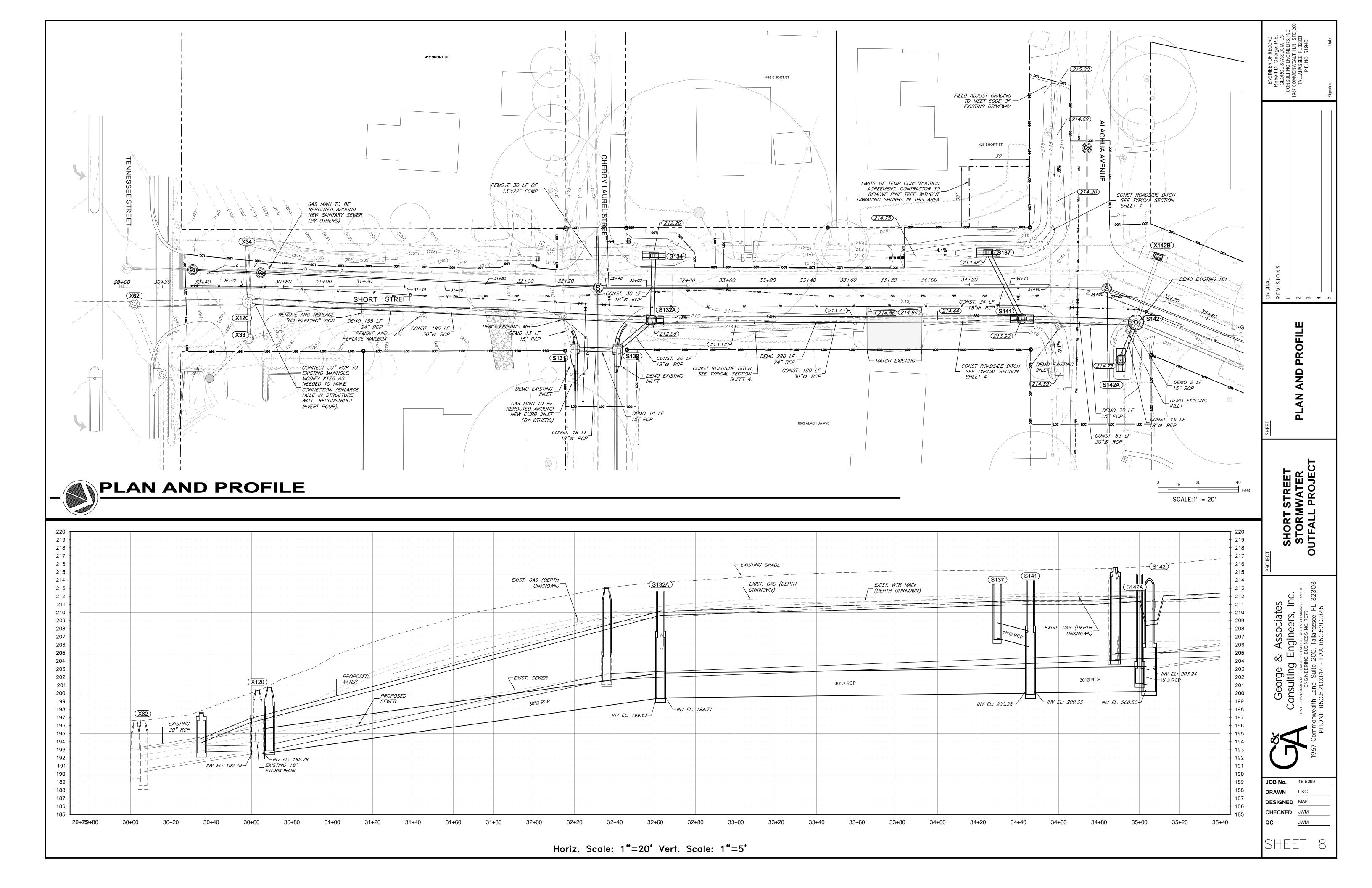
DRAWN CKC

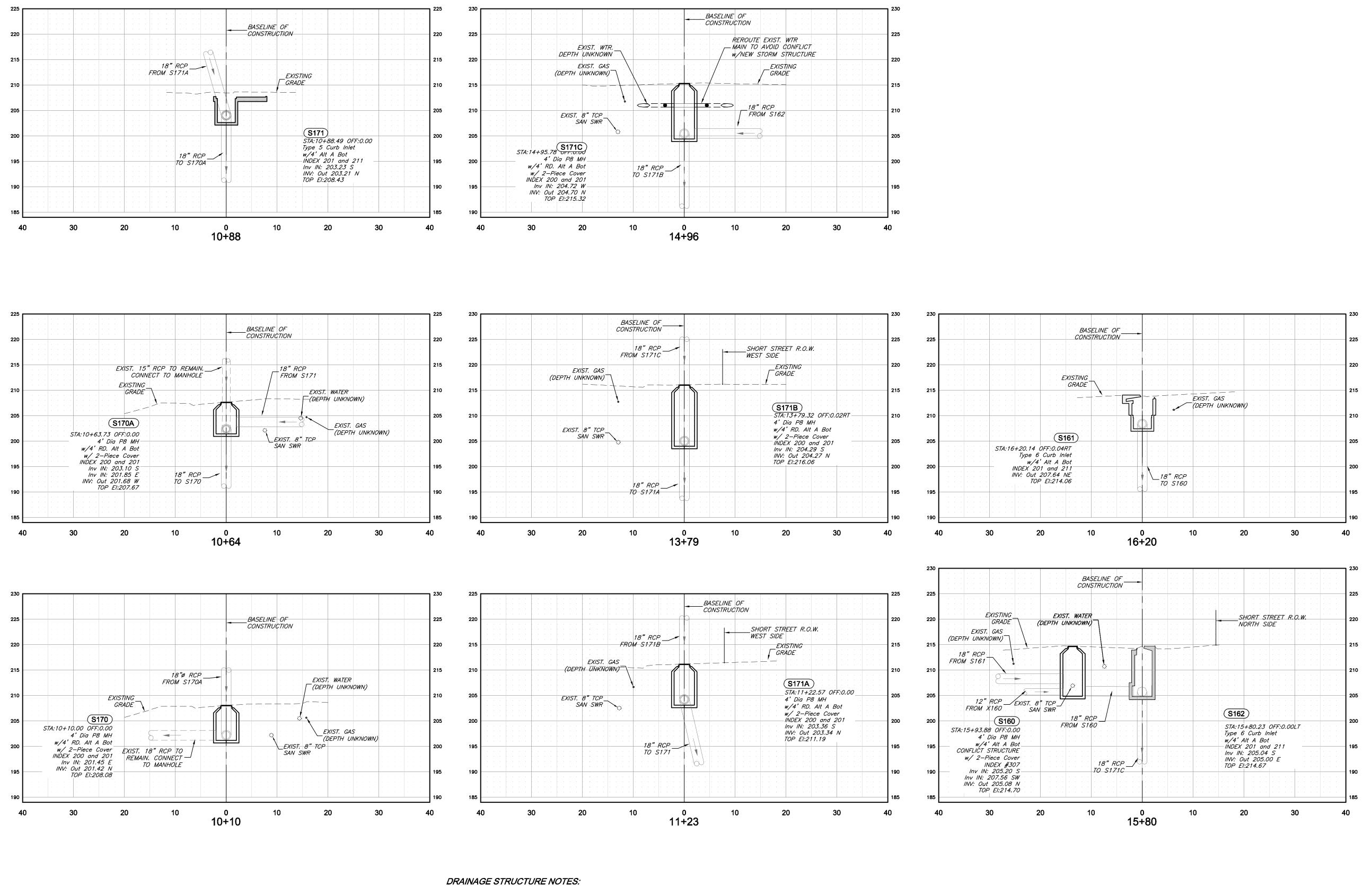
DESIGNED MAF

CHECKED JWM

QC JWM

SHFFT





1. ALTHOUGH THE ELEVATIONS OF THE TOPS OF DRAINAGE STRUCTURES ARE BASED ON THE BEST AVAILABLE INFORMATION, THEY MAY NOT MATCH FIELD CONDITIONS. INLET TOPS SHOULD BE SET TO THE ELEVATIONS OF THE ADJACENT CURBS. MANHOLE TOPS SHOULD BE SET TO MATCH THE FINISHED GROUND OR PAVEMENT ELEVATIONS.

DRAINAGE STRUCTURES HORIZ. SCALE: 1" = 10' VERT. SCALE: 1" = 10'

JOB No.

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ORIGINAL

R E V I S I

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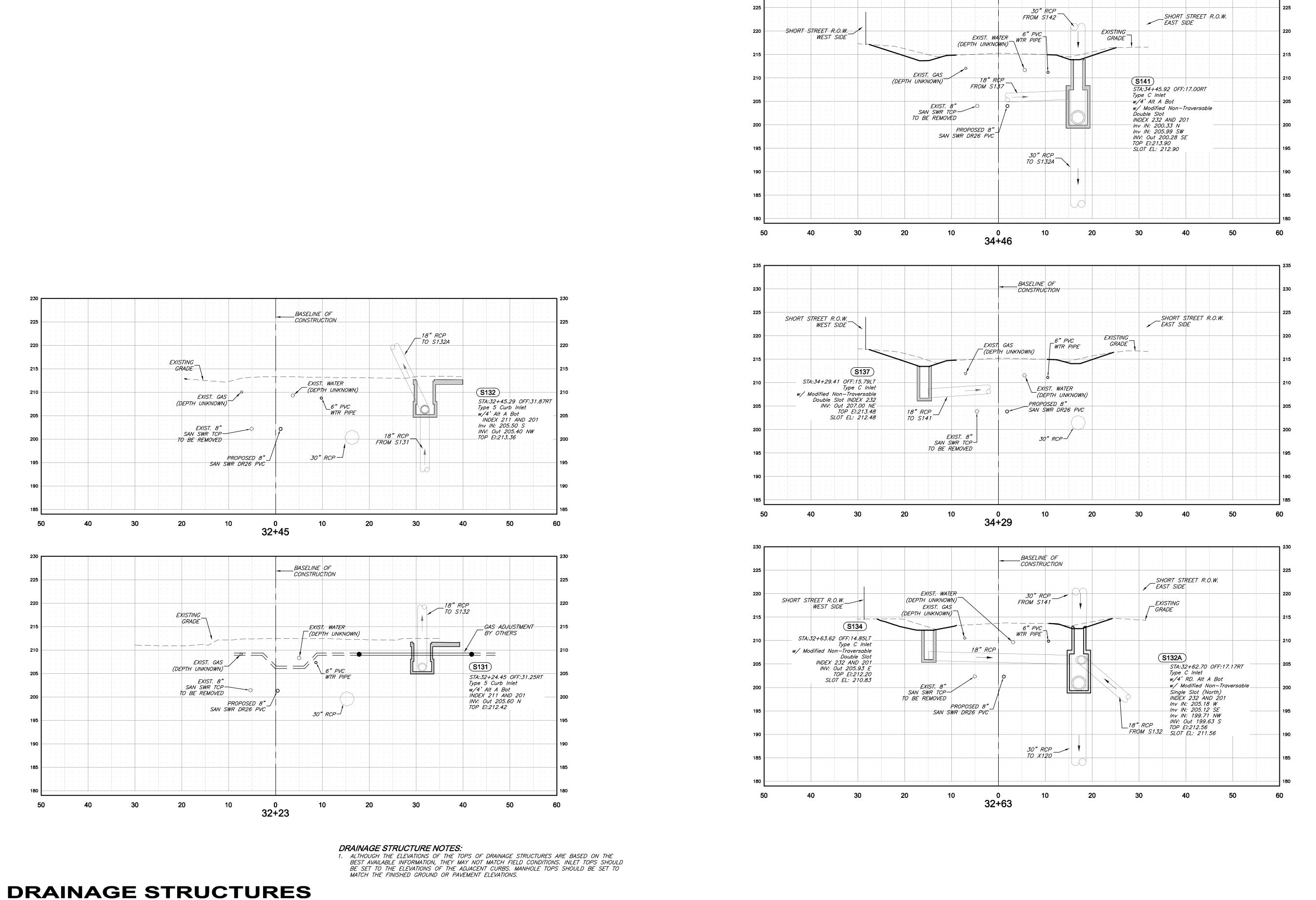
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4

DRAINAGE STRUCTURES

SHORT STREET STORMWATER OUTFALL PROJECT

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ORIG 1 - 1 - 2 - 2 - 4 - 4 - 5 DRAINAGE STRUCTURES

_BASELINE OF __CONSTRUCTION_

SHORT STREET STORMWATER OUTFALL PROJECT

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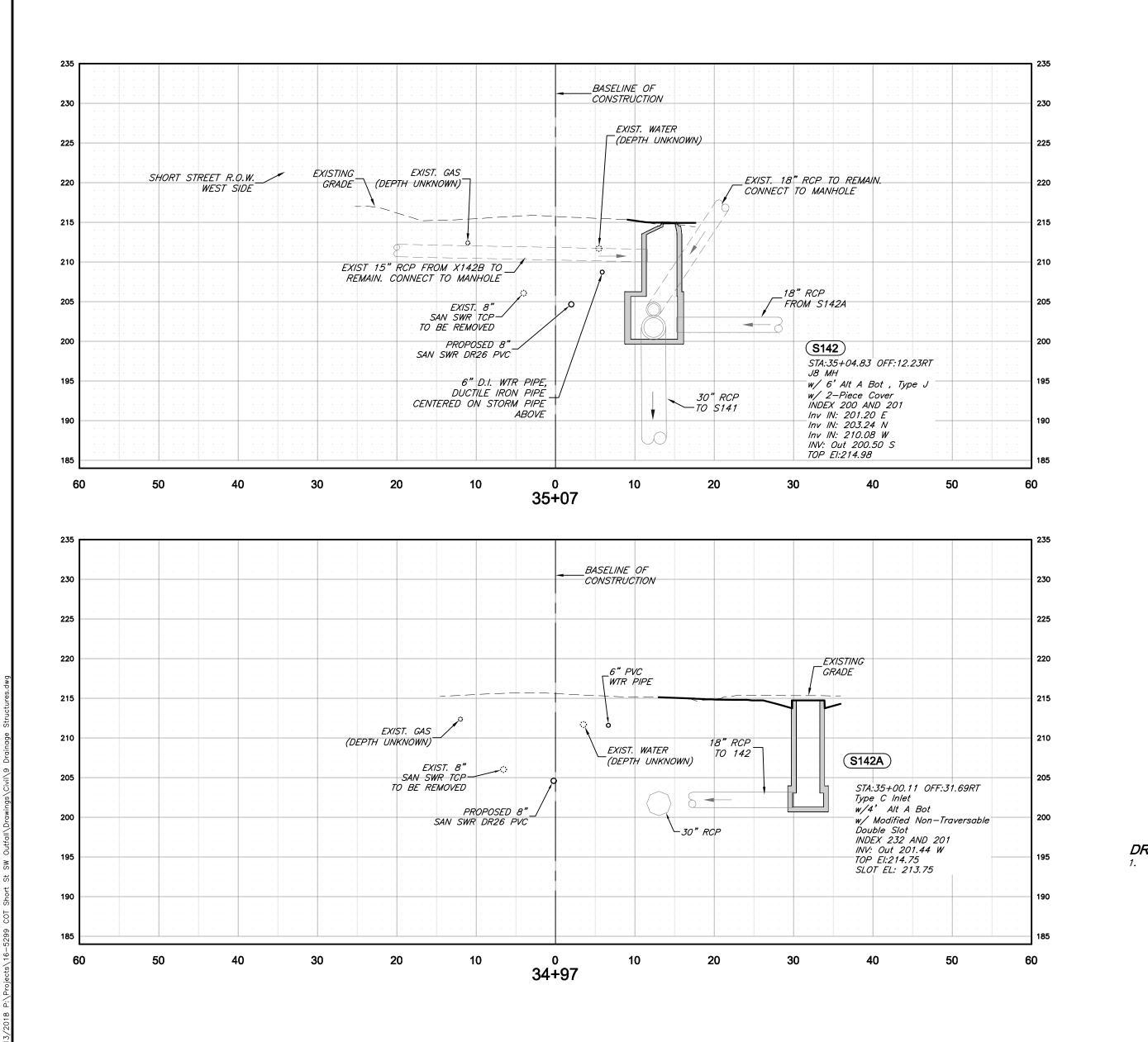
ENGINE 200, Tallahassee, FL 3230

TO SEL 5210345

JOB No.

CKC DRAWN DESIGNED MAF CHECKED JWM

VERT. SCALE: 1" = 10' HORIZ. SCALE: 1'' = 10'



DRAINAGE STRUCTURE NOTES:

1. ALTHOUGH THE ELEVATIONS OF THE TOPS OF DRAINAGE STRUCTURES ARE BASED ON THE BEST AVAILABLE INFORMATION, THEY MAY NOT MATCH FIELD CONDITIONS. INLET TOPS SHOULD BE SET TO THE ELEVATIONS OF THE ADJACENT CURBS. MANHOLE TOPS SHOULD BE SET TO MATCH THE FINISHED GROUND OR PAVEMENT ELEVATIONS.

DRAINAGE STRUCTURES

HORIZ. SCALE: 1" = 10' VERT. SCALE: 1" = 10'

DRAINAGE STRUCTURES SHORT STREET STORMWATER OUTFALL PROJECT

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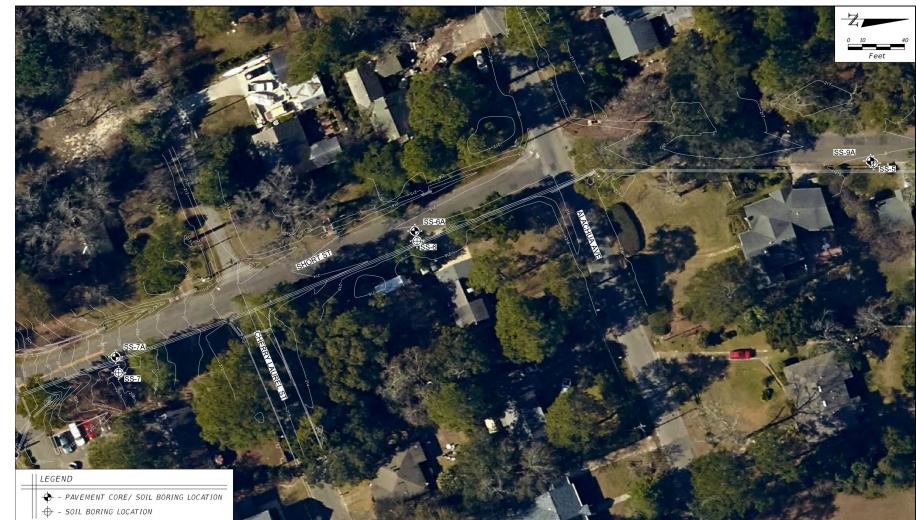
BORING NUMBER	BORING DEPTH ¹	GROUND SURFACE ELEVATION ²	MEASURED GROUNDWATER ³		STATE PLANE COORDINATES		GLOBAL POSITIONING SYSTEM (GPS COORDINATES 4				
			DEPTH	ELEVATION	NORTHING	EASTING	LATI	TUDE	LONG	ITUDE	
		(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	DEG (°)	MIN (')	DEG (°)	MIN (')
		<u> </u>		SHORT	STREET		es —				
SS-1	10.5	210.0	> 10.5	< 199.5	527679	2042490	30	27.045	84	15.912	
SS-2	10.5	214.0	> 10.5	< 203.5	527588	2042501	30	27.030	84	15.910	
SS-3	10.5	215.7	> 10.5	< 205.2	527376	2042500	30	26.995	84	15.910	
SS-4	10.5	214.5	> 10.5	< 204.0	527276	2042397	30	26.979	84	15.930	
SS-5	10.5	215.8	> 10.5	< 205.3	526811	2042164	30	26.902	84	15.975	
SS-6	13.0	215.0	> 13.0	< 202.0	526486	2042217	30	26.848	84	15.964	
SS-6A	20.0	215.0	> 20.0	< 195.0	526486	2042213	30	26.849	84	15.964	
SS-7	10.5	207.0	> 10.5	< 196.5	526275	2042313	30	26.813	84	15.946	
SS-7A	5.5	207.5	> 5.5	< 202.0	526273	2042301	30	26.814	84	15.948	
SS-9A	4.5	215.9	> 4.5	< 211.4	526810	2042163	30	26.902	84	15.975	
SS-9B	4.0	214.0	> 4.0	< 210.0	527081	2042148	30	26.947	84	15.977	
	27	g. 000m		LUCY	STREET		S. 14				
SS-8A	5.5	208.0	> 5.5	< 202.5	527715	2042448	30	27.051	84	15.920	

- NOTES: 1. DEPTHS ARE BELOW EXISTING GROUND SURFACE.
 - ELEVATIONS APPROXIMATED FROM FILES PROVIDED BY MERIDIAN SURVEYING AND MAPPING, INC.
 BASED ON MEASURED GROUNDWATER VALUES ENCOUNTERED IN THE FIELD.
 - GPS COORDINATES DETERMINED USING A TRIMBLE GEOEXPLORER XH HANDHELD UNIT.

SOIL BORING AND GROUNDWATER DATA

SCALE





THF	AVFRAGF	VALUES	BASED	ON	PAVEMENT	CORFS	SS-2	AND	55-4	A

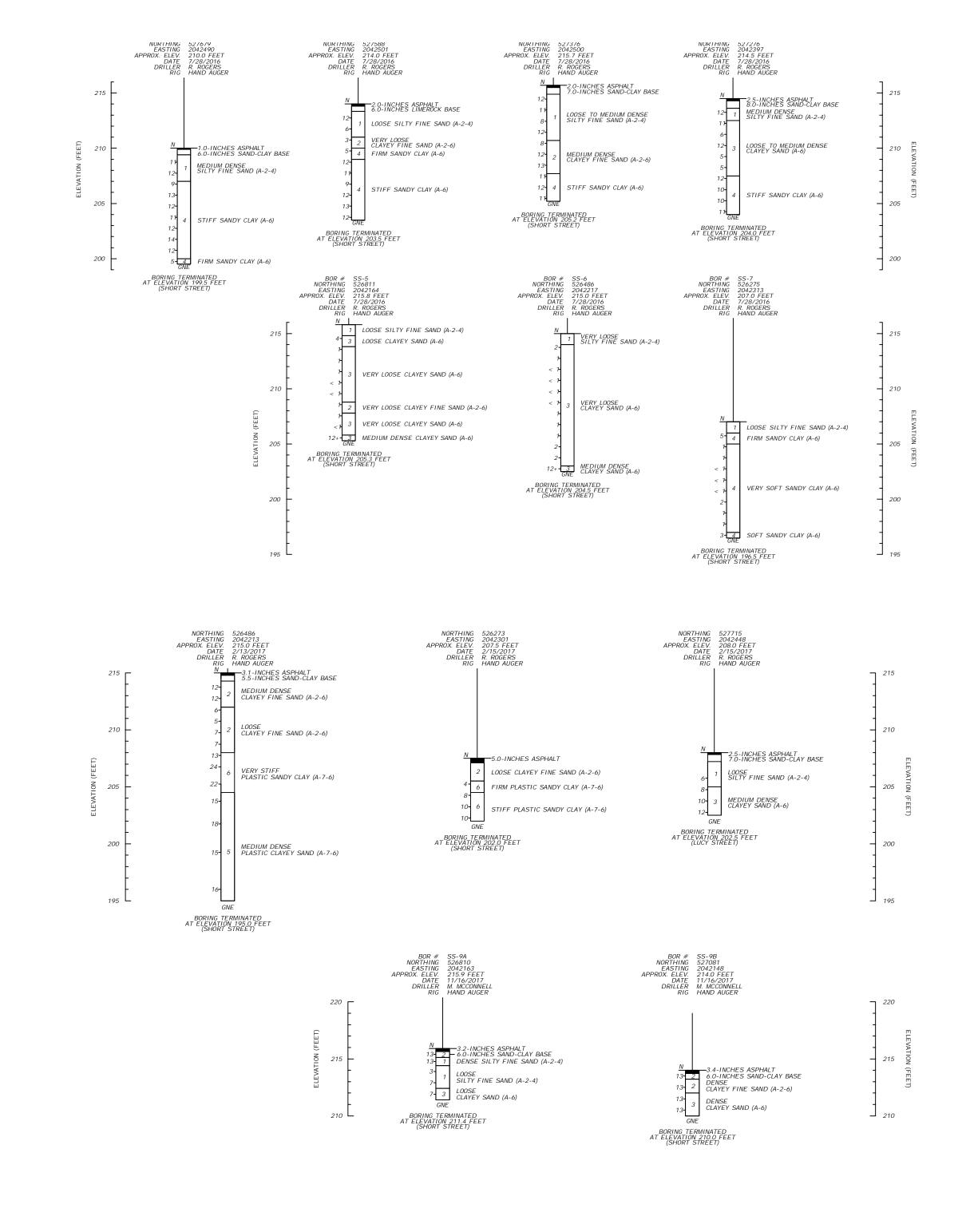
PAVEMENT THICKNESS:	2.0 INCH
BASE THICKNESS:	7.0 INCH
SUBGRADE THICKNESS:	12.0 INCH
EXISTING STRUCTURAL NUMBER SNE:	2.4
<u>SHORT STREET - PAVEMENT CORE SS-6A</u>	
ASPHALT THICKNESS:	1.8 INCHES
SAND ASPHALT HOT MIX:	1.3 INCHES
SURFACE TREATMENT:	0.0 INCHES
BASE THICKNESS:	5.5 INCHES
SUBGRADE THICKNESS:	12 INCHES
EXISTING STRUCTURAL NUMBER SNE:	2.2
SHORT STREET - PAVEMENT CORE SS-7A	
ASPHALT THICKNESS:	4.0 INCHES
SAND ASPHALT HOT MIX:	0.0 INCHES
SURFACE TREATMENT:	1.0 INCH
BASE THICKNESS:	0.0 INCHES
(THERE WAS NO MEASUREABLE BASE AT PAVEMENT CORE SS-7A)	0.0 HVOHLS
SUBGRADE THICKNESS:	12 INCHES
EXISTING STRUCTURAL NUMBER SNE:	12 INCHES 2.0
EXISTING STRUCTURAL NUMBER SINE:	2.0
LUCY STREET - PAVEMENT CORE SS-8A	
PAVEMENT THICKNESS:	2.0 INCHES
SAND ASPHALT HOT MIX:	0.0 INCHES
SURFACE TREATMENT:	0.5 INCHES
BASE THICKNESS:	7.0 INCHES
SUBGRADE THICKNESS:	12 INCHES
EXISTING STRUCTURAL NUMBER SNE:	2.1
EXISTING STRUCTORAL NOMBER SINE.	۷.1
THE AVERAGE VALUES BASED ON PAVEMENT CORES SS-9A AND SS-9B AF	<u> </u>

STRUCTURAL NUMBER

SUBGRADE THICKNESS: EXISTING STRUCTURAL NUMBER SNE:

ASPHALT THICKNESS: SAND ASPHALT HOT MIX: BASE THICKNESS:

SCALE:



SOIL BORINGS REPORT

SCALE:

1.6 INCHES 1.7 INCHES 6.0 INCH

12.0 INCH 2.3

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 16-5299

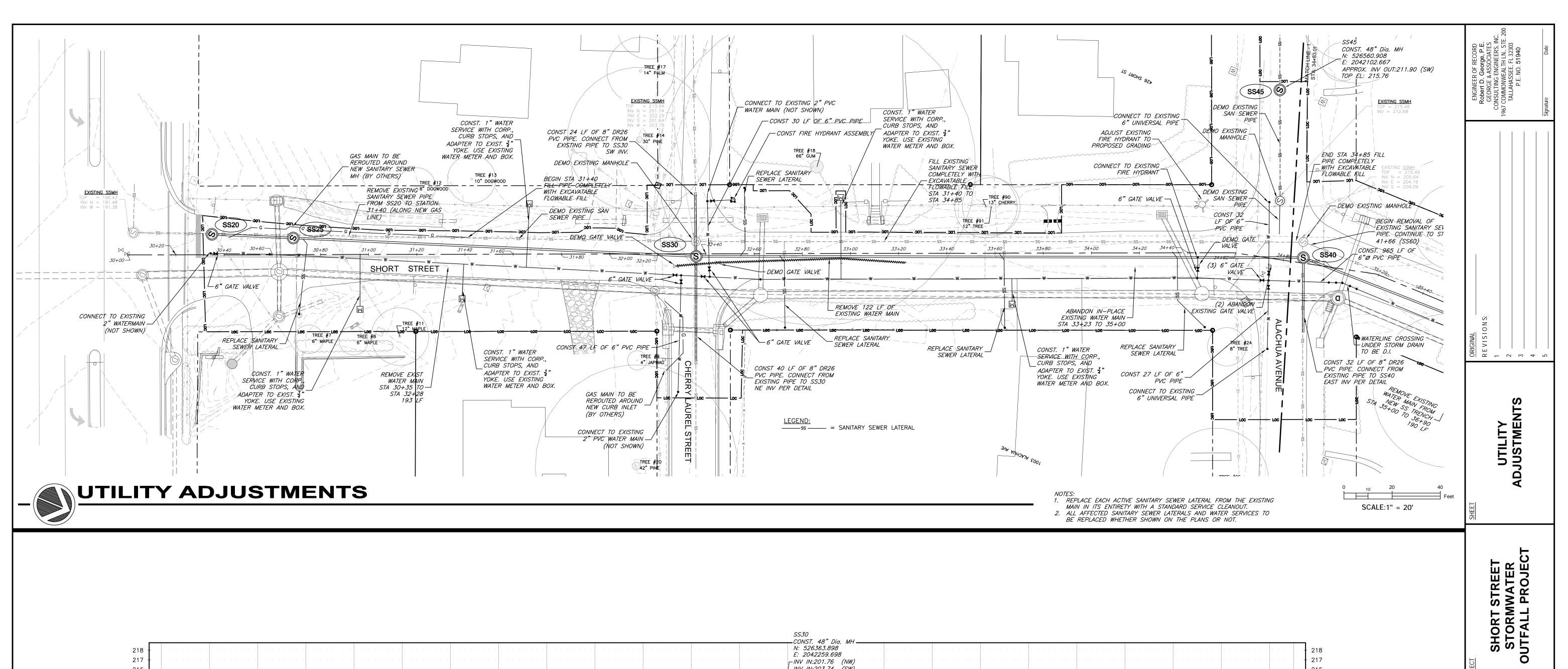
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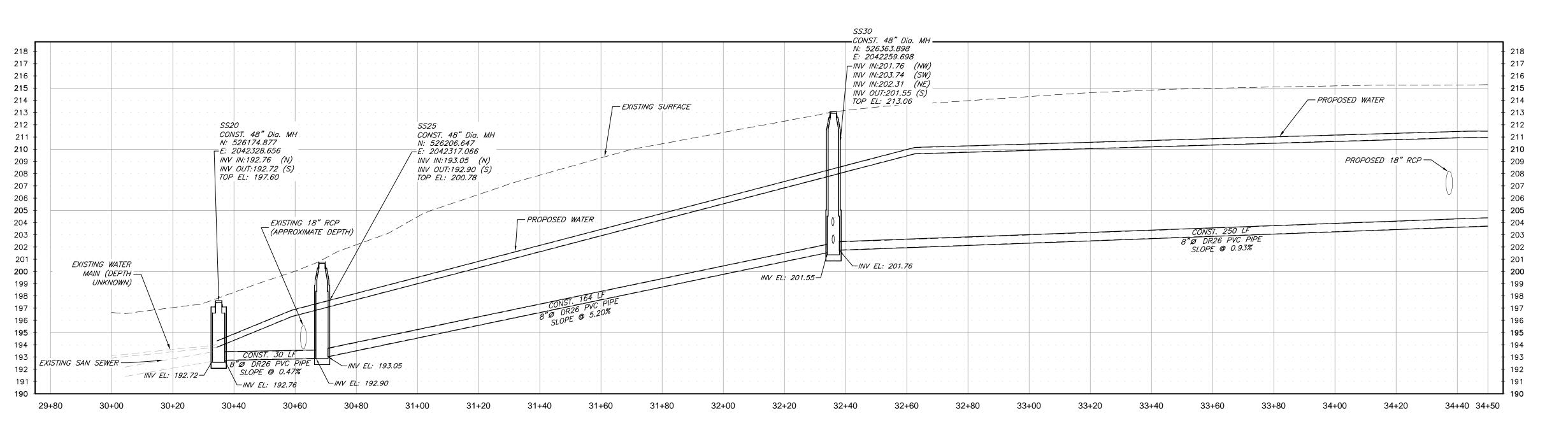
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BORING LOCATIONS
SCALE:





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1967 Commonwealth Lane, Suite 200, Tallahassee, FL 32;

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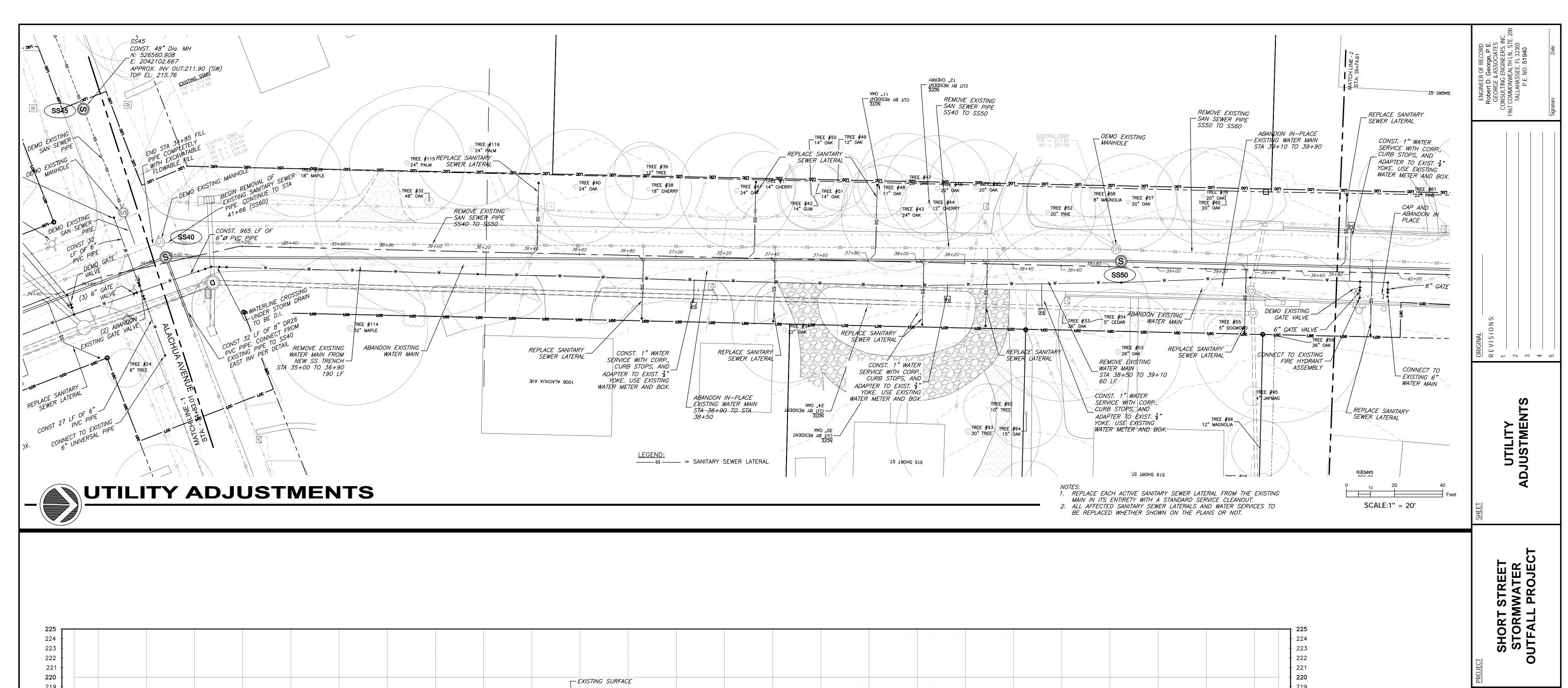
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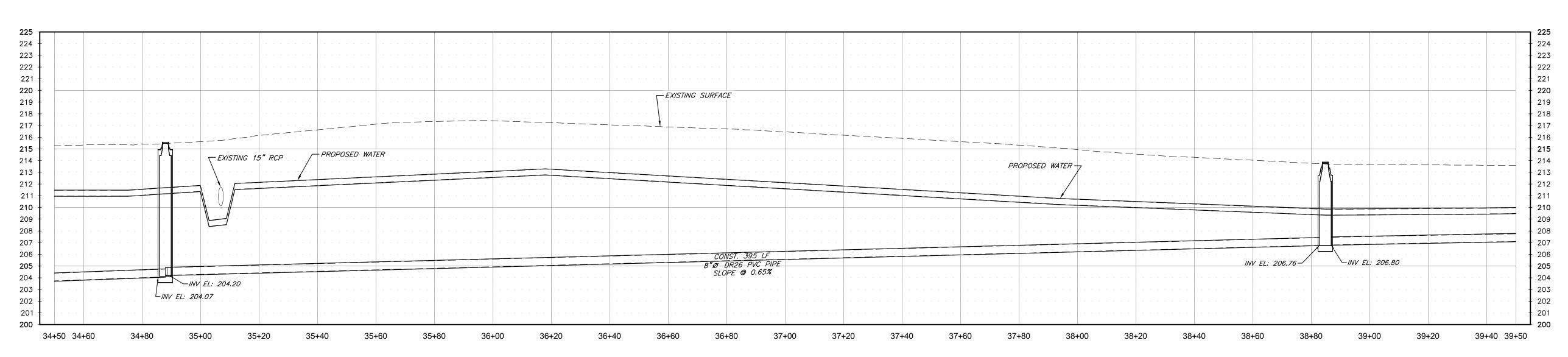
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SHEEL 1

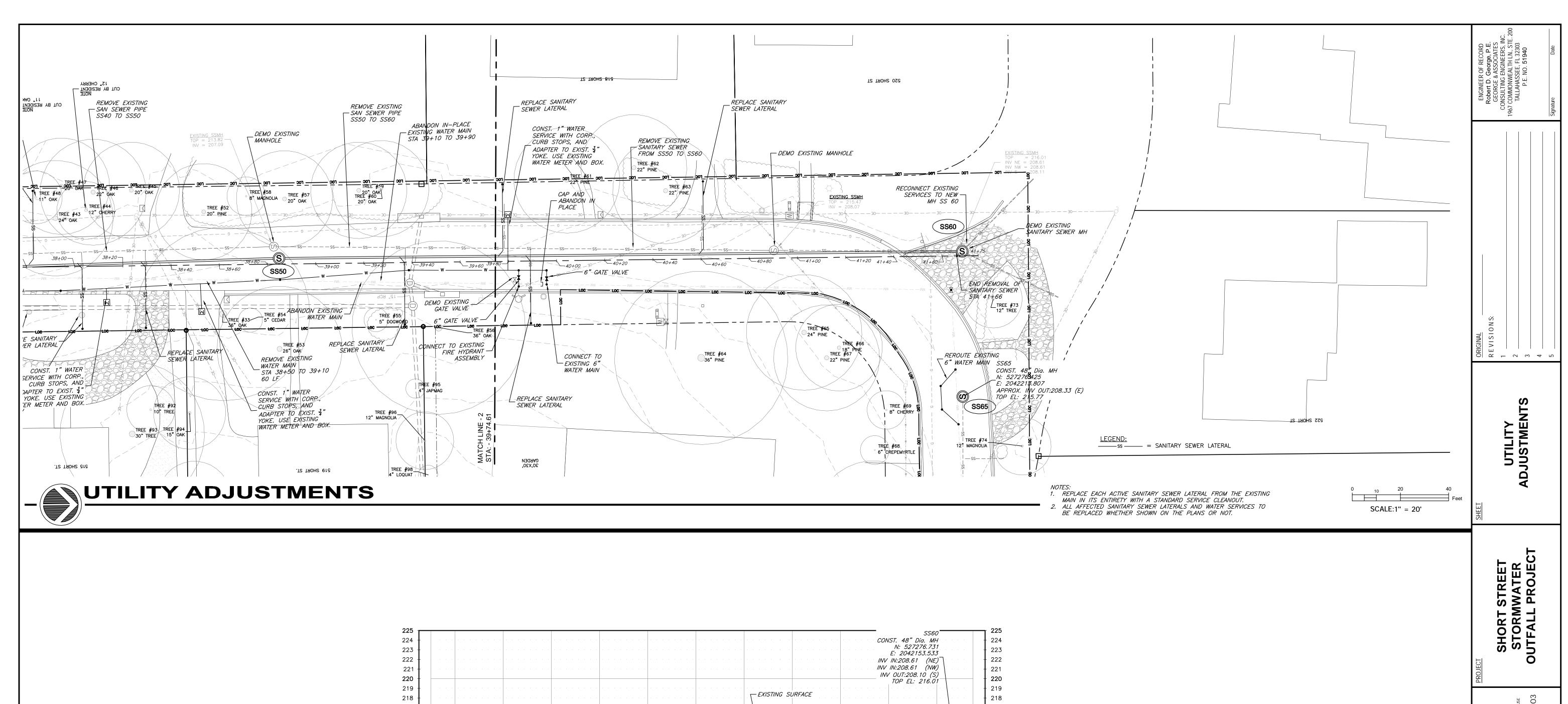


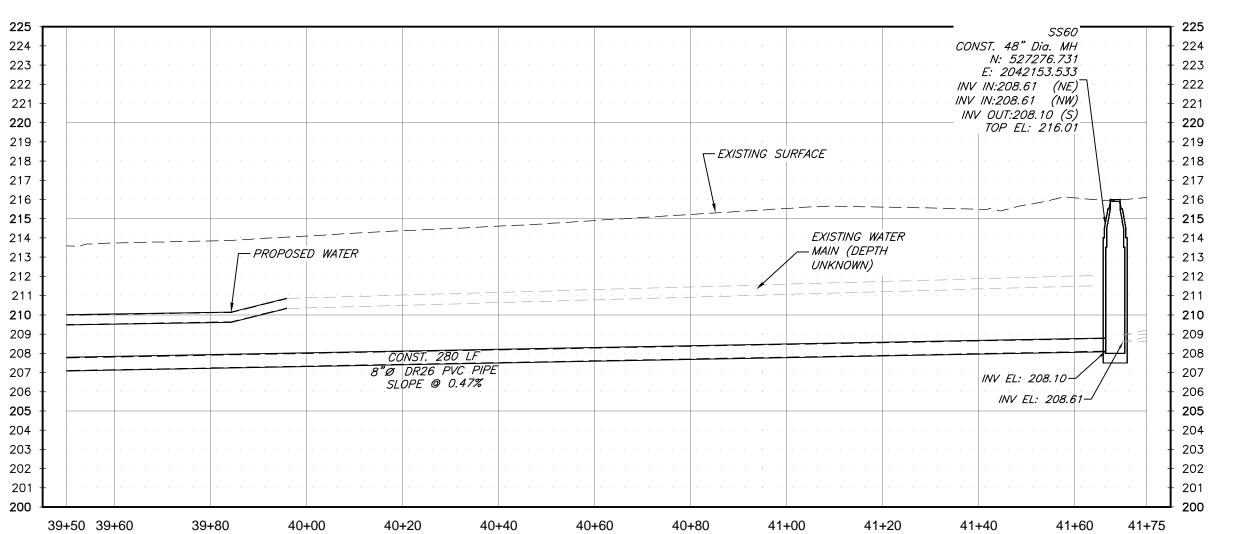


Begin Station: 34+50 End Station: 39+50

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Begin Station: 39+50 End Station: 41+75

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SHFFT 1

THE FOLLOWING NARRATIVE IS THE STORMWATER POLLUTION PREVENTION PLAN AND CONTAINS REFERENCES TO THE FDOT STANDARD SPECIFICATIONS, FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION DOCUMENTS. THE FIRST SHEET OF THE CONSTRUCTION PLANS CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS:

- * THIS NARRATIVE DESCRIPTION,
- * THE DOCUMENTS REFERENCED IN THIS NARRATIVE,
- * THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN * REPORTS OF INSPECTION MADE DURING CONSTRUCTION.

1. SITE DESCRIPTION

1.A NATURE OF CONSTRUCTION ACTIVITY

THE PROJECT SITE IS LOCATED IN SECTION 30, TOWNSHIP 1 NORTH, RANGE 1 EAST AND SECTION 31, TOWNSHIP 1 NORTH, RANGE 1 EAST, WITHIN LEON COUNTY, FLORIDA. THE PROJECT INCLUDES CONSTRUCTION OF DRAINAGE PIPES, STRUCTURES AND ROADSIDE SWALES ALONG SHORT STREET FROM JUST NORTH OF THE EAST TENNESSEE STREET (SR-90) RIGHT-OF-WAY AT THE SOUTH END TO LUCY STREET AT THE NORTH END. DRAINAGE INLETS WILL BE INSTALLED TO REPLACE UNDERSIZED OR DILAPIDATED INLETS ON SHORT STREET AND LUCY STREET. A 12" DRAINAGE PIPE THAT TRAVERSES PRIVATE PROPERTY WITHOUT AN EASEMENT WILL BE GROUTED AND ABANDONED, AND REPLACED WITH A RE-ROUTED DRAINAGE PIPE EXTENDING EAST AND THEN NORTH FROM A LOW AREA ON SHORT STREET TO CONNECT WITH AN EXISTING DRAINAGE PIPE ON LUCY STREET. FAILING DRAINAGE PIPES WITHIN THE SHORT STREET CLOSED BASIN WILL BE LINED WITH CURED—IN—PLACE PIPE (CIPP), EXISTING DRAINAGE SWALES WILL BE RE—SHAPED WHERE NEEDED, AND A PARTIALLY CRUSHED PIPE UNDER CHERRY LAUREL STREET WILL BE GROUTED AND ABANDONED IN PLACE.

1.B SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES

- a) INSTALL TEMPORARY BARRICADE FENCE AS DIRECTED BY THE ENGINEER. b) INSTALL MATERIALS FOR PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION (INCLUDES SEDIMENT BARRIER).

A) CONSTRUCT SEDIMENT BARRIER AT LOCATION DESIGNATED ON THE PLANS. B) REMOVAL AND DISPOSAL OF SEDIMENT CAPTURED BEHIND THE BARRIER SHALL BE PERFORMED PERIODICALLY OR AS DIRECTED BY THE ENGINEER TO PREVENT SEDIMENT FROM BEING TRANSPORTED DOWNSTREAM.

C) REMOVAL OF THE BARRIER WALL IS THE LAST PHASE OF CONSTRUCTION.

a) INSTALL ALL SEDIMENT AND EROSION CONTROLL DEVICES AND TREE PROTECTION BARRIERS. CONSTRUCT DRAINAGE IMPROVEMENTS. b) EACH WORK AREA SHALL BE ISOLATED AND COMPLETED PRIOR TO PROCEEDING TO THE NEXT WORK AREA.

* FINAL SITE WORK:

- a) CLEAN ALL WORK AREAS. b) SOD ALL DISTURBED AREAS.
- REMOVE SEDIMENT CAPTURED BY SEDIMENT BARRIER.
- d) REMOVE SEDIMENT BARRIER. e) REMOVE MATERIALS FOR PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION.

ALL ESTIMATES ARE BASED ON AREAS LIKELY TO BE IMPACTED BY CONSTRUCTION ACTIVITY. THE CITY CANNOT DICTATE MEANS AND METHODS OF THE CONTRACTOR. THEREFORE, AREAS OF DISTURBANCE ARE DIFFICULT TO DETERMINE PRIOR TO SELECTION OF THE CONTRACTOR AND ESTABLISHMENT OF THE SEQUENCE AND SCHEDULE FOR CONSTRUCTION. THE TOTAL ESTIMATED IMPACTS COVER 2.34 ACRES.

THIS IS A STORMWATER RETROFIT PROJECT, AND NO IMPERVIOUS AREA IS BEING ADDED. THE PROJECT MODELING SUMMARY PREPARED BY THE CITY OF TALLAHASSEE WATER RESOURCES ENGINEERING DIVISION CONTAINS MORE DETAILED DRAINAGE INFORMATION.

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAP. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW.

INSTALLED. ALL TEMPORARY PROTECTION WILL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED.

1.F RECEIVING WATERS/WETLAND AREAS

ST. AUGUSTINE BRANCH AND THE PARK AVENUE DITCH.

2. CONTROLS

2.A EROSION AND SEDIMENT CONTROLS

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION AS WELL AS THE TRANSPORTATION OF ERODED MATERIALS OFF SITE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ANY AND ALL SEDIMENT CONTROL DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION THE CONTRACT DRAWINGS ONLY INDICATE EROSION, SEDIMENT, AND TURBIDITY CONTROLS AT LOCATIONS DETERMINED IN THE DESIGN PROCESS AND USED FOR ESTIMATING BID QUANTITIES AND IS PROVIDED FOR GUIDANCE IN PREPARATION OF A SEQUENCE OF CONSTRUCTION/EROSION CONTROL PLAN. THE LOCATIONS AND TYPES OF ENVIRONMENTAL CONTROL FEATURES SHOWN MAY NOT ADEQUATELY PREVENT EROSION OR THE TRANSPORTATION OF ERODED MATERIAL OFF-SITE DURING EACH PHASE OF CONSTRUCTION. SUPPLEMENTARY SEDIMENT AND EROSION CONTROL DEVICES MAY BE REQUIRED TO ACCOMMODATE THE CONTRACTOR'S PHASING OF CONSTRUCTION ACTIVITIES.

PRIOR TO THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT A DETAILED EROSION CONTROL PLAN WHICH WILL BE CONSIDERED THE FIRST FORMAL UPDATE OF THE SWPPP, TO SPECIFICALLY ADDRESS THE CONTRACTOR'S MEANS, METHODS, AND PHASING OF CONSTRUCTION ACTIVITIES. THE EROSION CONTROL PLAN WILL PROVIDE THE NAME AND PHONE NUMBER OF THE CONTRACTOR'S REPRESENTATIVE RESPONSIBLE ON A 24-HOUR BASIS FOR EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE. THE CONTRACTOR IS REQUIRED TO UPDATE THE SWPPP AS REQUIRED TO REFLECT ANY ADDITIONAL CONTROLS NECESSARY TO PREVENT THE POSSIBILITY OF SILTING ANY ADJACENT LOWLAND PARCEL OR RECEIVING WATER, OR OTHERWISE VIOLATING ANY LOCAL, STATE, OR FEDERAL PERMIT REQUIREMENTS.

2.A.1 STABILIZATION PRACTICES

A. THE CONTRACTOR WILL FURNISH, INSTALL, MAINTAIN, AND, WHEN APPROPRIATE, REMOVE ALL NECESSARY EROSION AND SEDIMENT CONTROLS. B. EROSION AND SEDIMENT CONTROLS WILL BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL DEVICES WILL BE EMPLOYED AS A PERIMETER

- OF DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF SITE.

 C. THE AMOUNT OF AREA DISTURBED AT ONE TIME WILL BE LIMITED TO THE MINIMUM NECESSARY TO ADEQUATELY IMPLEMENT THE WORK. CONSTRUCTION OPERATIONS WILL BE CONTROLLED TO MINIMIZE UNPROTECTED ERODIBLE AREAS EXPOSED TO WEATHER, AND AREAS OUTSIDE THE LIMITS OF CONSTRUCTION WILL NOT BE DISTURBED.
- D. EXCAVATED MATERIAL WILL NOT BE DEPOSITED IN LOCATIONS WHERE IT COULD BE WASHED AWAY BY HIGH WATER OR STORMWATER RUNOFF, AND STOCKPILES WILL BE
- COVERED OR ENCIRCLED WITH SEDIMENT CONTAINMENT DEVICES. NEW AND EXISTING STRUCTURES WILL BE PROTECTED FROM SILTATION DURING CONSTRUCTION. E. STABILIZATION MEASURES WILL BE INITIATED FOR EROSION AND SEDIMENTATION CONTROL ON DISTURBED AREAS AS SOON AS PRACTICABLE 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 THE PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. F. PERMANENT EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREAS WILL BE COMPLETED IMMEDIATELY AFTER FINAL GRADING.

SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE CONTROL WILL MAINTAIN EXISTING FLOW CAPACITY DURING HEAVY STORM EVENTS. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

* INLET PROTECTION

2.B STORMWATER MANAGEMENT

REFER TO CONSTRUCTION PLANS FOR CONVEYANCE OF STORMWATER RUNOFF.

2.C OTHER CONTROLS

2.C.1 WASTE DISPOSAL

TO BE DEVELOPED AS PART OF THE CONTRACTOR'S EROSION CONTROL PLAN.

2.C.2 OFF-SITE VEHICLE TRACKING AND DUST CONTROL

TO BE DEVELOPED AS PART OF THE CONTRACTOR'S EROSION CONTROL PLAN. ALL PAVED AREAS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE SWEPT AND KEPT CLEAN.

2.C.3 STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANKS

- TO BE DEVELOPED AS PART OF THE CONTRACTOR'S EROSION CONTROL PLAN. 2.C.4 FERTILIZERS AND PESTICIDES
- TO BE DEVELOPED AS PART OF THE CONTRACTOR'S EROSION CONTROL PLAN.
- 2.C.5 NON STORMWATER DISCHARGES AND HAZARDOUS WASTE

IF THE CONTRACTOR ENCOUNTERS A SPILL, CONSTRUCTION WILL STOP AND WORK WILL NOT RESUME UNTIL DIRECTED BY THE ENGINEER. DISPOSITION OF HAZARDOUS WASTE WILL BE MADE IN ACCORDANCE WITH THE REQUIREMENTS AND REGULATIONS OF ANY LOCAL, STATE, OR FEDERAL AGENCY WITH JURISDICTION.

3.0 CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

THE FOLLOWING ENVIRONMENTAL PERMITS HAVE BEEN OBTAINED FOR THIS PROJECT:

4.0 INSPECTION AND MAINTENANCE PROCEDURES

4.A ALL EROSION AND SEDIMENT CONTROLS WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND AFTER EACH RAINFALL EVENT OF ONE INCH OR GREATER. 4.B EROSION AND SEDIMENT CONTROLS IN ACTIVE WORK ZONES WILL BE INSPECTED AT THE END OF EACH WORKDAY TO ASSURE THAT THEY HAVE NOT BEEN DISTURBED BY

4.C ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF IDENTIFYING 4.D HAY OR STRAW BALE BARRIERS WILL BE INSPECTED TO IDENTIFY DAMAGED BALES AND EROSION UNDER OR AROUND THE BALES. SEDIMENT WILL BE REMOVED AFTER EACH RAINFALL AND WILL NOT EXCEED A DEPTH OF ONE-HALF THE HEIGHT OF THE BARRIER. 4.E SILT FENCE WILL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL FOR DEPTH OF SEDIMENT, TEARS, AND ATTACHMENT

TO POSTS, AND TO SEE THAT THE POSTS ARE FIRMLY EMBEDDED. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE—THIRD THE HEIGHT OF THE FENCE. 4.F SEDIMENT BASINS WILL BE INSPECTED FOR DEPTH OF SEDIMENT. BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REDUCES STORAGE VOLUME OF THE BASIN BY 10 PERCENT. 4.GTHE CONTRACTOR WILL USE A MAINTENANCE INSPECTION REPORT FORM ACCEPTABLE TO THE ENGINEER TO REPORT ALL INSPECTION FINDINGS AND CORRECTIVE ACTIONS TAKEN AS A RESULT OF THE INSPECTION. THE CONTRACTOR WILL SIGN EACH REPORT AND SUBMIT A COPY TO THE ENGINEER. 4.HTHE CONTRACTOR IS REQUIRED TO SWEEP THE STREETS WITHIN EACH ACTIVE WORK ZONE, AT THE END OF EACH WORK DAY AND AFTER RAINFALL EVENTS.

5.0 NON-STORMWATER DISCHARGES

THE FOLLOWING NON-STORMWATER DISCHARGES ARE ANTICIPATED TO OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

- a. UNCONTAMINATED GROUNDWATER FROM DEWATERING OPERATIONS.
- ALL NON-STORMWATER DISCHARGES WILL BE DIRECTED TO SEDIMENT BASINS PRIOR TO DISCHARGE.

A FILTER TO BE PLACED IN FRONT OF A CURB TO REDUCE TURBIDITY OF DOWNSTREAM WATERS INLET OR OPENING TO PREVENT THE MIGRATION BY ELIMINATING SILT BUILD—UP IN STORM OF SILT INTO THE STORM DRAIN SYSTEM. DRAIN SYSTEMS THROUGH THE CURB INLETS. SECURE POCKETS WITH TIES PROVIDED BY OTHERS. STABILIZATION POCKETS TO BE FILLED WITH #57 CRUSHED STONE OR EQUIVALENT (2-TYP. EA. PIECE) SS-300 SILT-SAVER CURB INLET FILTER OR AN APPROVED EQUIVALENT ILLUSTRATED APPLICATION REQUIRED 8"x8" SQUARE HEAVY DUTY

INSTALLATION

TWO (2) CURB INLET FILTERS.

- IDENTIFY OPENING DIMENSIONS TO DETERMINE HOW MANY FILTERS ARE REQUIRED. COMPLETELY FILL THE ROCK CHAMBERS AT
- EACH END OF THE FILTER. SECURE THE OPEN ENDS OF THE ROCK CHAMBERS WITH TIE WIRES. FOR LARGER OPENINGS, SIMPLY PLACE FILTERS END TO
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES SHOULD BE INSPECTED DAILY. REMOVE SEDIMENT AND DISPOSE IN A PROPER MANNER. INSPECT FILTER FOR CUTS, ABRASIONS AND PROPER INSTALLATION, REPLACE OR REPOSITION AS NECESSARY. DISCONTINUE USE IF CURB INLET FILTRATION CREATES TRAFFIC HAZARD.

MAINTENANCE

COILS

INTERCONNECTED POLYMETRIC

CURB INLET PROTECTION

N.T.S.

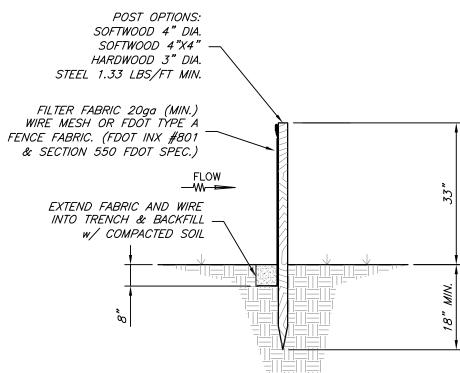
SILT FENCE MAINTENANCE

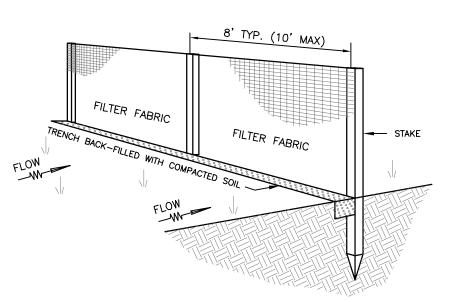
- 1. SILT FENCE SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- 2. SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE SILT FENCE STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- 3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE SILT FENCE.
- 4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE FILTER FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.

—FF—FF—FF—FF— DENOTES SILT FENCE

SILT FENCE NOTES

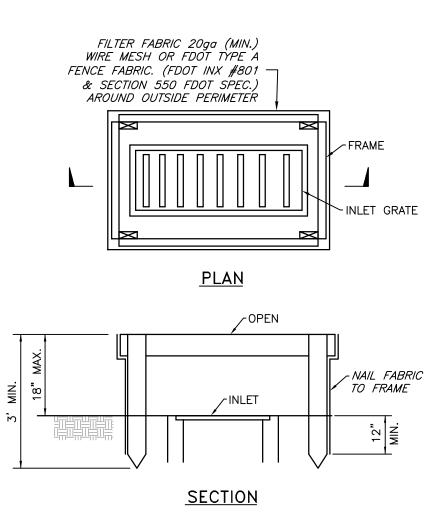
EC-008A N.T.S.





SILT FENCE DETAILS

EC-006



DITCH BOTTOM INLET PROTECTION

EC-013 N.T.S.

DITCH BOTTOM INLET PROTECTION MAINTENANCE

- INLET PROTECTION SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE INLET PROTECTION STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- 3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE—THIRD THE HEIGHT OF THE FABRIC BARRIER.

EC-008A

" X 4" BACKING BOARDS

NAILED TO POSTS

4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE INLET PROTECTION IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.

DITCH BOTTOM INLET PROTECTION NOTES

PROTECTED TREE

NOTE: AREA WITHIN BARRICADE IS NOT TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT

TREE PROTECTION BARRICADE

DRIVEN INTO GROUND

N.T.S.

N.T.S.

ORMWATER POLLUTION VENTION PL

<u>~</u>

Associates Ingineers, Inc George &

JOB No. DRAWN DESIGNED MAF CHECKED

