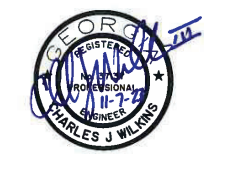


- TRAFFIC CONTROL NOTES:**
1. CONTRACTOR SHALL PREPARE AND FURNISH A DETAILED TRAFFIC CONTROL AND DETOUR PLAN PRIOR TO STARTING ANY CONSTRUCTION ACTIVITY.
 2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTY OWNERS AND EXISTING DRIVES AT ALL TIMES.
 3. THE CONTRACTOR SHALL CONTACT SHAWN MCNELLY, STREETS & SANITATION SUPERINTENDENT, AT 912-330-8650 TO COORDINATE PRIOR TO CONSTRUCTION.

- NOTES:**
1. ALL CONNECTIONS TO THE EXISTING WATER AND SEWER SYSTEMS SHALL BE COORDINATED WITH CITY OF SAVANNAH. CONTRACTOR SHALL CONTACT CITY OF SAVANNAH WATER AND SEWER PLANNING AND ENGINEERING (WSEP) DEPARTMENT A MINIMUM OF 72 HOURS PRIOR TO CONNECTION ACTIVITIES.
 2. ALL CONNECTIONS TO EXISTING SANITARY SEWERS, FORCE MAINS, AND WATER MAINS SHALL BE STAGED TO PREVENT INTERRUPTION IN SERVICE.
 3. ANY AND ALL TEMPORARY SEWAGE PUMPING REQUIRED TO MAKE SEWER SYSTEM CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR THESE PUMPING REQUIREMENTS. ALL LABOR, DESIGN, EQUIPMENT, MATERIALS, RENTAL FEES, TEMPORARY PIPING, AND INCIDENTALS SHALL BE CONSIDERED A SUBSIDIARY OBLIGATION TO THE CONTRACT.
 4. IF ANY PIPES OR LATERALS ARE LOCATED IN THE FIELD THAT ARE NOT SHOWN ON THE CONSTRUCTION PLANS, CONTRACTOR SHALL NOTIFY CITY OF SAVANNAH AND THE ENGINEER IMMEDIATELY.
 5. MANHOLES SHALL BE INSTALLED PER THE DETAILS, CITY'S SPECIFICATIONS, AND CITY ENGINEER'S RECOMMENDATIONS.
 6. CONTRACTOR SHALL RESTORE ALL FENCING, WALLS, DRIVEWAYS, WALKWAYS, MAILBOXES, AND EXISTING STRUCTURES TO PRE-CONSTRUCTION CONDITIONS UPON COMPLETION OF CONSTRUCTION.



NO.	REVISIONS	BY	DATE

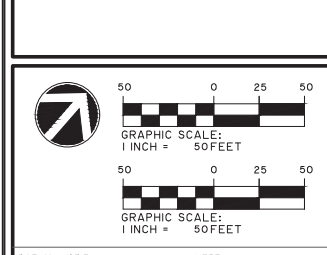


FORCE MAIN PLAN & PROFILE

LIFT STATION 193 FORCE MAIN UPGRADE

PROJECT LOCATION:
CHATHAM COUNTY
GEORGIA

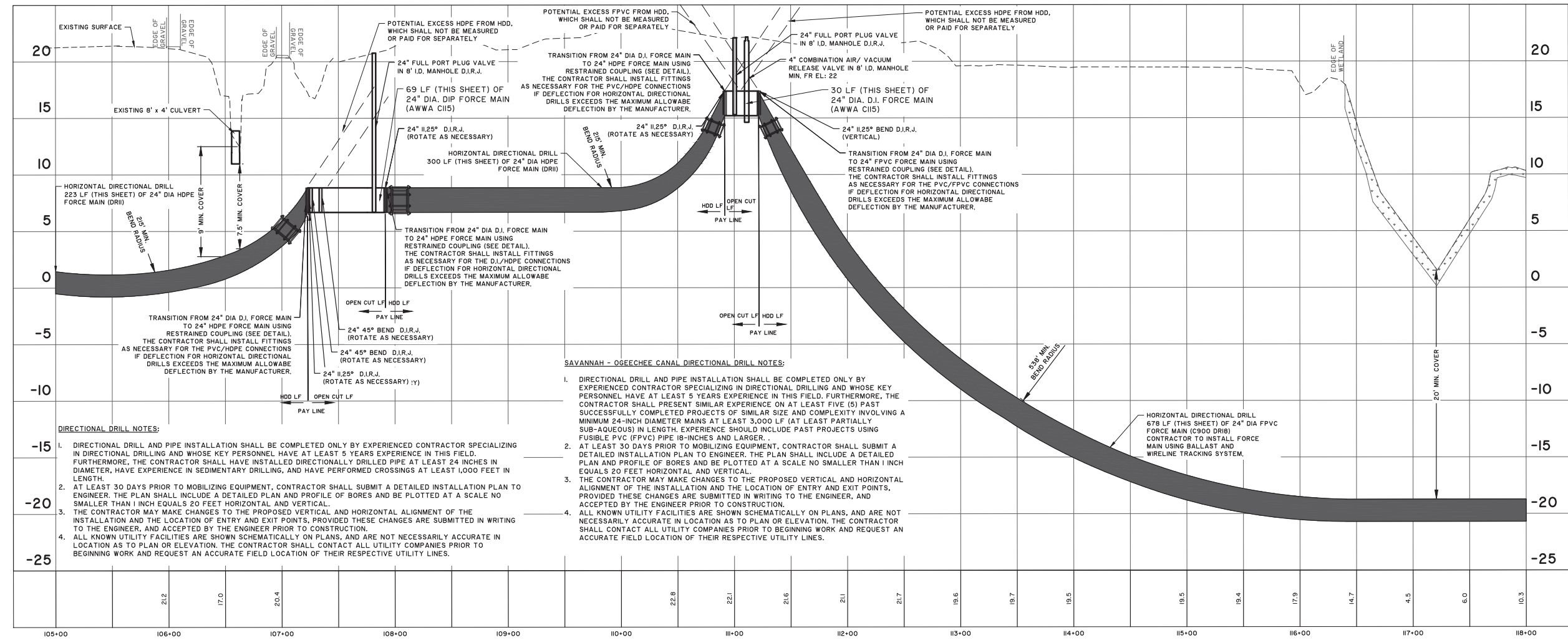
CLIENT/OWNER:
CITY OF SAVANNAH



DATUM: HORIZ. VERT.

JOB NO:	30762.0000
DATE:	11/7/23
DRAWN:	CMP
DESIGNED:	TW
REVIEWED:	TW
APPROVED:	TW
SCALE:	1" = 50'

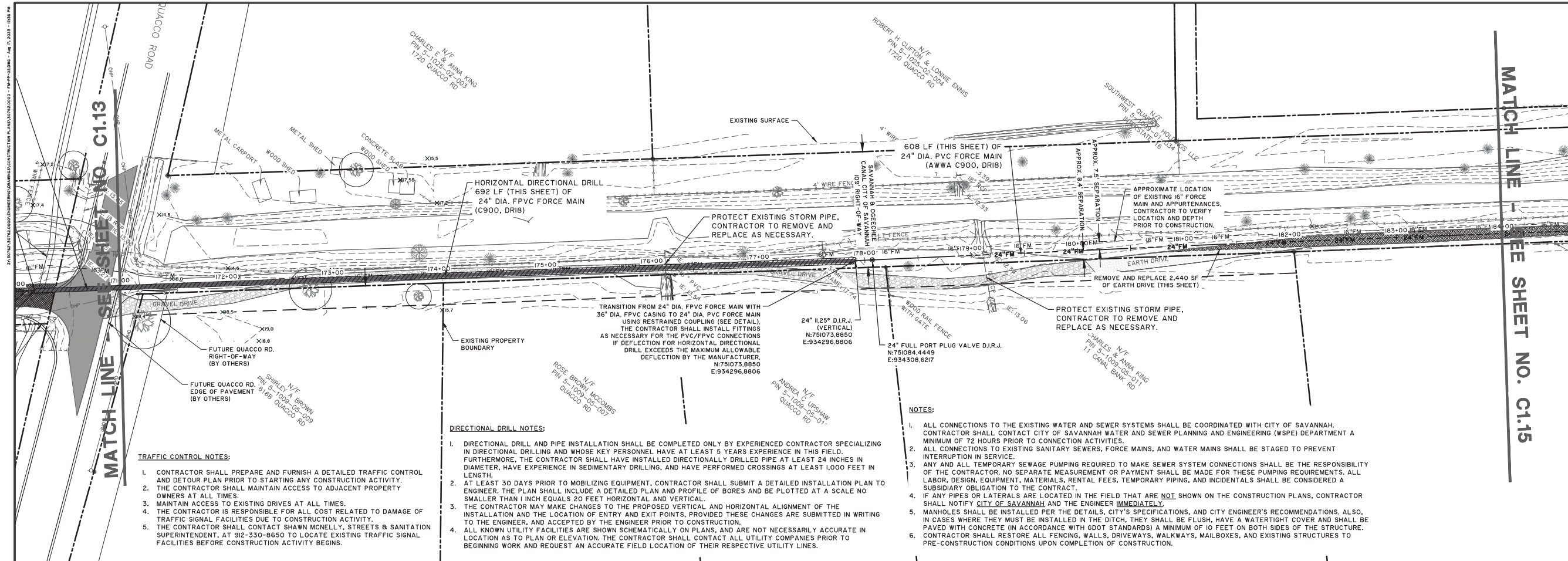
C1.9



- DIRECTIONAL DRILL NOTES:**
1. DIRECTIONAL DRILL AND PIPE INSTALLATION SHALL BE COMPLETED ONLY BY EXPERIENCED CONTRACTOR SPECIALIZING IN DIRECTIONAL DRILLING AND WHOSE KEY PERSONNEL HAVE AT LEAST 5 YEARS EXPERIENCE IN THIS FIELD. FURTHERMORE, THE CONTRACTOR SHALL HAVE INSTALLED DIRECTIONALLY DRILLED PIPE AT LEAST 24 INCHES IN DIAMETER, HAVE EXPERIENCE IN SEDIMENTARY DRILLING, AND HAVE PERFORMED CROSSINGS AT LEAST 1,000 FEET IN LENGTH.
 2. AT LEAST 30 DAYS PRIOR TO MOBILIZING EQUIPMENT, CONTRACTOR SHALL SUBMIT A DETAILED INSTALLATION PLAN TO ENGINEER. THE PLAN SHALL INCLUDE A DETAILED PLAN AND PROFILE OF BORES AND BE PLOTTED AT A SCALE NO SMALLER THAN 1 INCH EQUALS 20 FEET HORIZONTAL AND VERTICAL.
 3. THE CONTRACTOR MAY MAKE CHANGES TO THE PROPOSED VERTICAL AND HORIZONTAL ALIGNMENT OF THE INSTALLATION AND THE LOCATION OF ENTRY AND EXIT POINTS, PROVIDED THESE CHANGES ARE SUBMITTED IN WRITING TO THE ENGINEER, AND ACCEPTED BY THE ENGINEER PRIOR TO CONSTRUCTION.
 4. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON PLANS, AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO BEGINNING WORK AND REQUEST AN ACCURATE FIELD LOCATION OF THEIR RESPECTIVE UTILITY LINES.

- SAVANNAH - OGEECHEE CANAL DIRECTIONAL DRILL NOTES:**
1. DIRECTIONAL DRILL AND PIPE INSTALLATION SHALL BE COMPLETED ONLY BY EXPERIENCED CONTRACTOR SPECIALIZING IN DIRECTIONAL DRILLING AND WHOSE KEY PERSONNEL HAVE AT LEAST 5 YEARS EXPERIENCE IN THIS FIELD. FURTHERMORE, THE CONTRACTOR SHALL SUBMIT SIMILAR EXPERIENCE ON AT LEAST FIVE (5) PAST SUCCESSFULLY COMPLETED PROJECTS OF SIMILAR SIZE AND COMPLEXITY INVOLVING A MINIMUM 24-INCH DIAMETER MAINS AT LEAST 3,000 LF (AT LEAST PARTIALLY SUB-AQUEOUS) IN LENGTH. EXPERIENCE SHOULD INCLUDE PAST PROJECTS USING FUSIBLE PVC (FPVC) PIPE 18-INCHES AND LARGER.
 2. AT LEAST 30 DAYS PRIOR TO MOBILIZING EQUIPMENT, CONTRACTOR SHALL SUBMIT A DETAILED INSTALLATION PLAN TO ENGINEER. THE PLAN SHALL INCLUDE A DETAILED PLAN AND PROFILE OF BORES AND BE PLOTTED AT A SCALE NO SMALLER THAN 1 INCH EQUALS 20 FEET HORIZONTAL AND VERTICAL.
 3. THE CONTRACTOR MAY MAKE CHANGES TO THE PROPOSED VERTICAL AND HORIZONTAL ALIGNMENT OF THE INSTALLATION AND THE LOCATION OF ENTRY AND EXIT POINTS, PROVIDED THESE CHANGES ARE SUBMITTED IN WRITING TO THE ENGINEER, AND ACCEPTED BY THE ENGINEER PRIOR TO CONSTRUCTION.
 4. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON PLANS, AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO BEGINNING WORK AND REQUEST AN ACCURATE FIELD LOCATION OF THEIR RESPECTIVE UTILITY LINES.

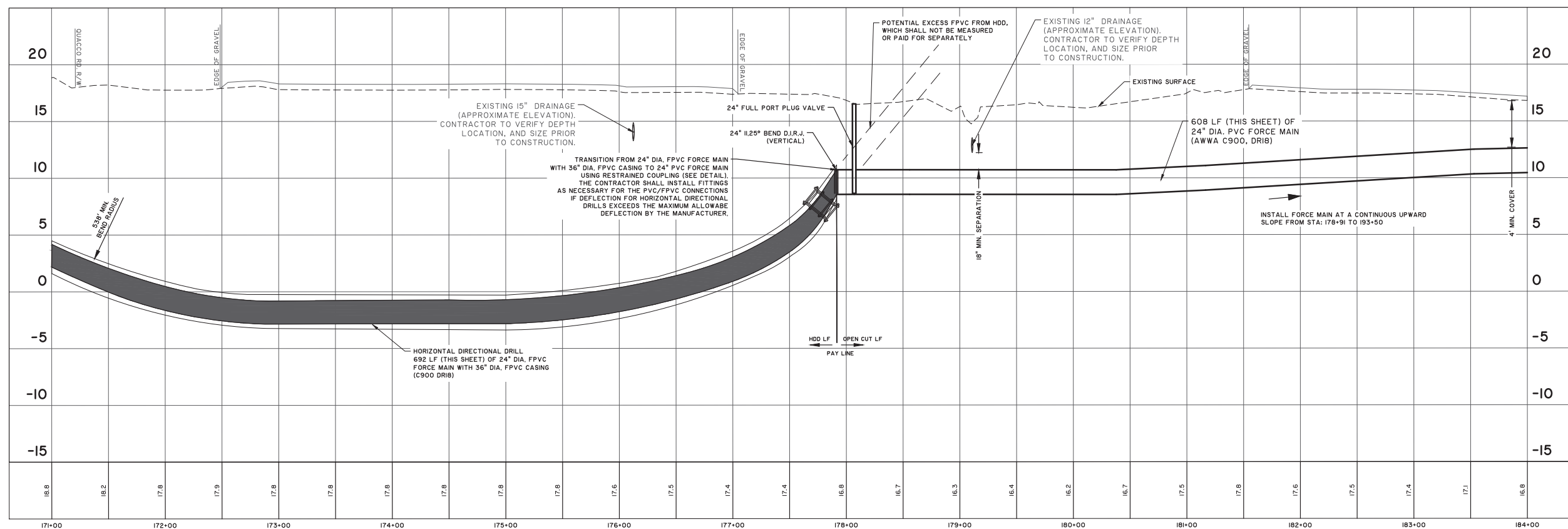
30762.0000 - Force Main
STATIONS: 105+00 - 118+00
SCALE: HORIZ.: 1" = 50'
VERT.: 1" = 5'



- TRAFFIC CONTROL NOTES:**
1. CONTRACTOR SHALL PREPARE AND FURNISH A DETAILED TRAFFIC CONTROL AND DETOUR PLAN PRIOR TO STARTING ANY CONSTRUCTION ACTIVITY.
 2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTY OWNERS AT ALL TIMES.
 3. MAINTAIN ACCESS TO EXISTING DRIVES AT ALL TIMES.
 4. THE CONTRACTOR IS RESPONSIBLE FOR ALL COST RELATED TO DAMAGE OF TRAFFIC SIGNAL FACILITIES DUE TO CONSTRUCTION ACTIVITY.
 5. THE CONTRACTOR SHALL CONTACT SHAWN MCNELLY, STREETS & SANITATION SUPERINTENDENT, AT 912-330-8650 TO LOCATE EXISTING TRAFFIC SIGNAL FACILITIES BEFORE CONSTRUCTION ACTIVITY BEGINS.

- DIRECTIONAL DRILL NOTES:**
1. DIRECTIONAL DRILL AND PIPE INSTALLATION SHALL BE COMPLETED ONLY BY EXPERIENCED CONTRACTOR SPECIALIZING IN DIRECTIONAL DRILLING AND WHOSE KEY PERSONNEL HAVE AT LEAST 5 YEARS EXPERIENCE IN THIS FIELD. FURTHERMORE, THE CONTRACTOR SHALL HAVE INSTALLED DIRECTIONALLY DRILLED PIPE AT LEAST 24 INCHES IN DIAMETER, HAVE EXPERIENCE IN SEDIMENTARY DRILLING, AND HAVE PERFORMED CROSSINGS AT LEAST 1,000 FEET IN LENGTH.
 2. AT LEAST 30 DAYS PRIOR TO MOBILIZING EQUIPMENT, CONTRACTOR SHALL SUBMIT A DETAILED INSTALLATION PLAN TO ENGINEER. THE PLAN SHALL INCLUDE A DETAILED PLAN AND PROFILE OF BORES AND BE PLOTTED AT A SCALE NO SMALLER THAN 1 INCH EQUALS 20 FEET HORIZONTAL AND VERTICAL.
 3. THE CONTRACTOR MAY MAKE CHANGES TO THE PROPOSED VERTICAL AND HORIZONTAL ALIGNMENT OF THE INSTALLATION AND THE LOCATION OF ENTRY AND EXIT POINTS, PROVIDED THESE CHANGES ARE SUBMITTED IN WRITING TO THE ENGINEER, AND ACCEPTED BY THE ENGINEER PRIOR TO CONSTRUCTION.
 4. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON PLANS, AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO BEGINNING WORK AND REQUEST AN ACCURATE FIELD LOCATION OF THEIR RESPECTIVE UTILITY LINES.

- NOTES:**
1. ALL CONNECTIONS TO THE EXISTING WATER AND SEWER SYSTEMS SHALL BE COORDINATED WITH CITY OF SAVANNAH. CONTRACTOR SHALL CONTACT CITY OF SAVANNAH WATER AND SEWER PLANNING AND ENGINEERING (WSP) DEPARTMENT A MINIMUM OF 72 HOURS PRIOR TO CONNECTION ACTIVITIES.
 2. ALL CONNECTIONS TO EXISTING SANITARY SEWERS, FORCE MAINS, AND WATER MAINS SHALL BE STAGED TO PREVENT INTERRUPTION IN SERVICE.
 3. ANY AND ALL TEMPORARY SEWAGE PUMPING REQUIRED TO MAKE SEWER SYSTEM CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR THESE PUMPING REQUIREMENTS. ALL LABOR, DESIGN, EQUIPMENT, MATERIALS, RENTAL FEES, TEMPORARY PIPING, AND INCIDENTALS SHALL BE CONSIDERED A SUBSIDIARY OBLIGATION TO THE CONTRACT.
 4. IF ANY PIPES OR LATERALS ARE LOCATED IN THE FIELD THAT ARE NOT SHOWN ON THE CONSTRUCTION PLANS, CONTRACTOR SHALL NOTIFY CITY OF SAVANNAH AND THE ENGINEER IMMEDIATELY.
 5. MANHOLES SHALL BE INSTALLED PER THE DETAILS, CITY'S SPECIFICATIONS, AND CITY ENGINEER'S RECOMMENDATIONS. ALSO, IN CASES WHERE THEY MUST BE INSTALLED IN THE DITCH, THEY SHALL BE FLUSH, HAVE A WATERTIGHT COVER AND SHALL BE PAVED WITH CONCRETE (IN ACCORDANCE WITH GDOT STANDARDS) A MINIMUM OF 10 FEET ON BOTH SIDES OF THE STRUCTURE. CONTRACTOR SHALL RESTORE ALL FENCING, WALLS, DRIVEWAYS, WALKWAYS, MAILBOXES, AND EXISTING STRUCTURES TO PRE-CONSTRUCTION CONDITIONS UPON COMPLETION OF CONSTRUCTION.



30762.0000 - Force Main
 STATIONS: 171+00 - 184+00
 SCALE: HORIZ.: 1" = 50'
 VERT.: 1" = 5'

MATCH LINE - SEE SHEET NO. C1.15

NO.	REVISIONS	BY	DATE

PROFESSIONAL ENGINEER
 GEORGIA
 No. 31517
 8-17-23
 CHARLES J. WILKINS

THOMAS & HUTTON
 50 Park of Commerce Way
 Savannah, GA 31405 • 912.234.5300
 www.thomasandhutton.com

FORCE MAIN PLAN & PROFILE

LIFT STATION 193 FORCE MAIN UPGRADE

PROJECT LOCATION:
 CHATHAM COUNTY
 GEORGIA

CLIENT/OWNER:
 CITY OF SAVANNAH

DATUM: HORIZ.: VERT.:

JOB NO: 30762.0000
 DATE: 8/17/23
 DRAWN: CMP
 DESIGNED: TW
 REVIEWED: TW
 APPROVED: TW
 SCALE: 1" = 50'

C1.14

PERMIT SET - FOR REVIEW PURPOSES ONLY