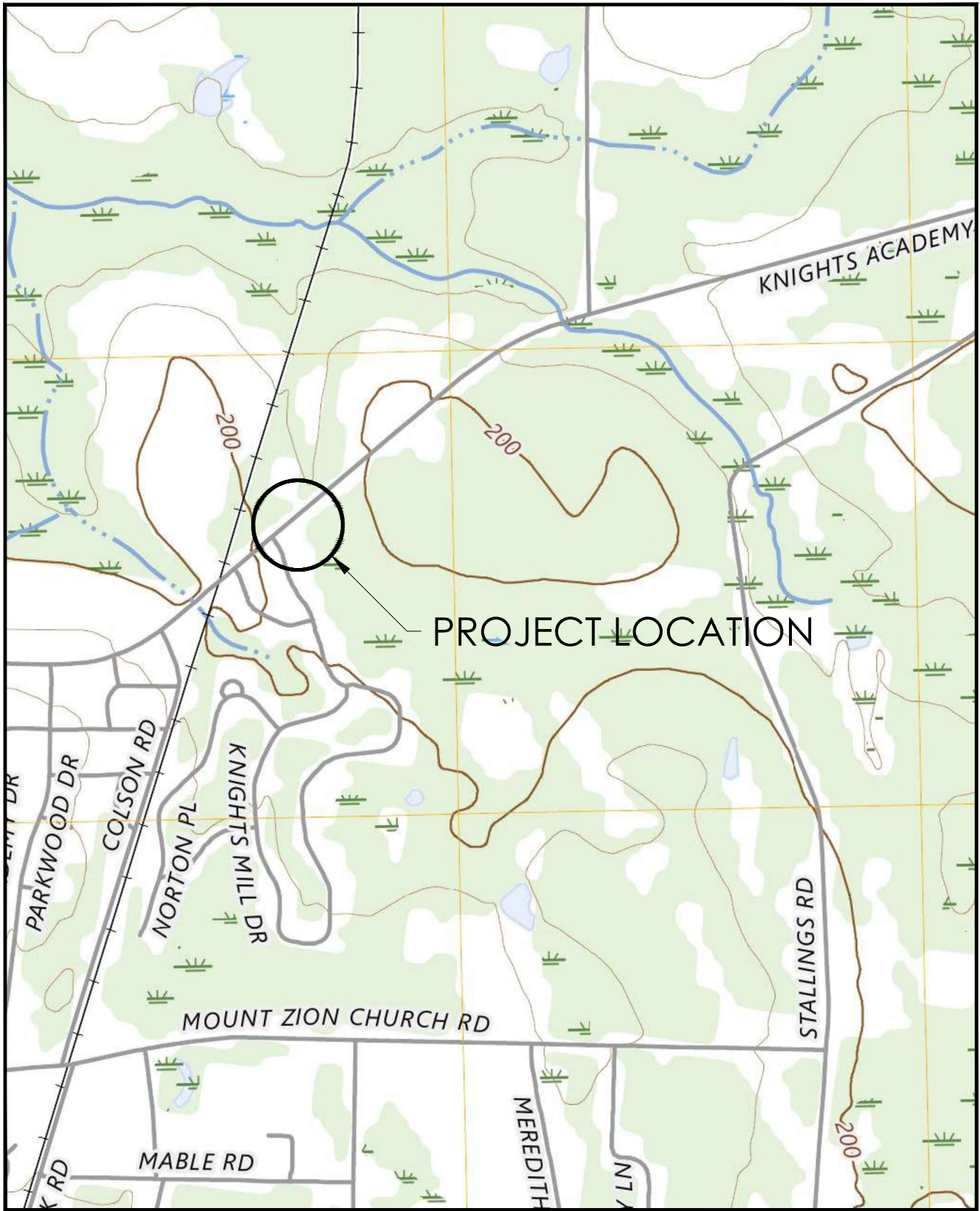


KNIGHTS MILL LIFT STATION REHABILITATION

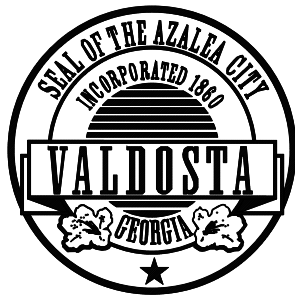


KEY CONTACT INFORMATION
CITY OF VALDOSTA - ENGINEERING DEPARTMENT: 229-259-3530
CITY OF VALDOSTA - UTILITIES DEPARTMENT: 229-259-3510
AFTER HOURS UTILITY CONTACT NUMBER: 229-434-4132



LOCATION MAP
SCALE: 1" = 1,000'

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
1	COVER
2	CONSTRUCTION DETAILS (1 OF 2)
3	CONSTRUCTION DETAILS (2 OF 2)
4	LIFT STATION SERIES EXISTING CONDITION AND DEMO PLAN
5	LIFT STATION SERIES DIMENSIONED SITE AND GRADING PLAN
6	LIFT STATION SERIES SITE PLUMBING AND ELECTRICAL PLAN
7	GRAVITY SEWER SERIES PLAN AND PROFILE



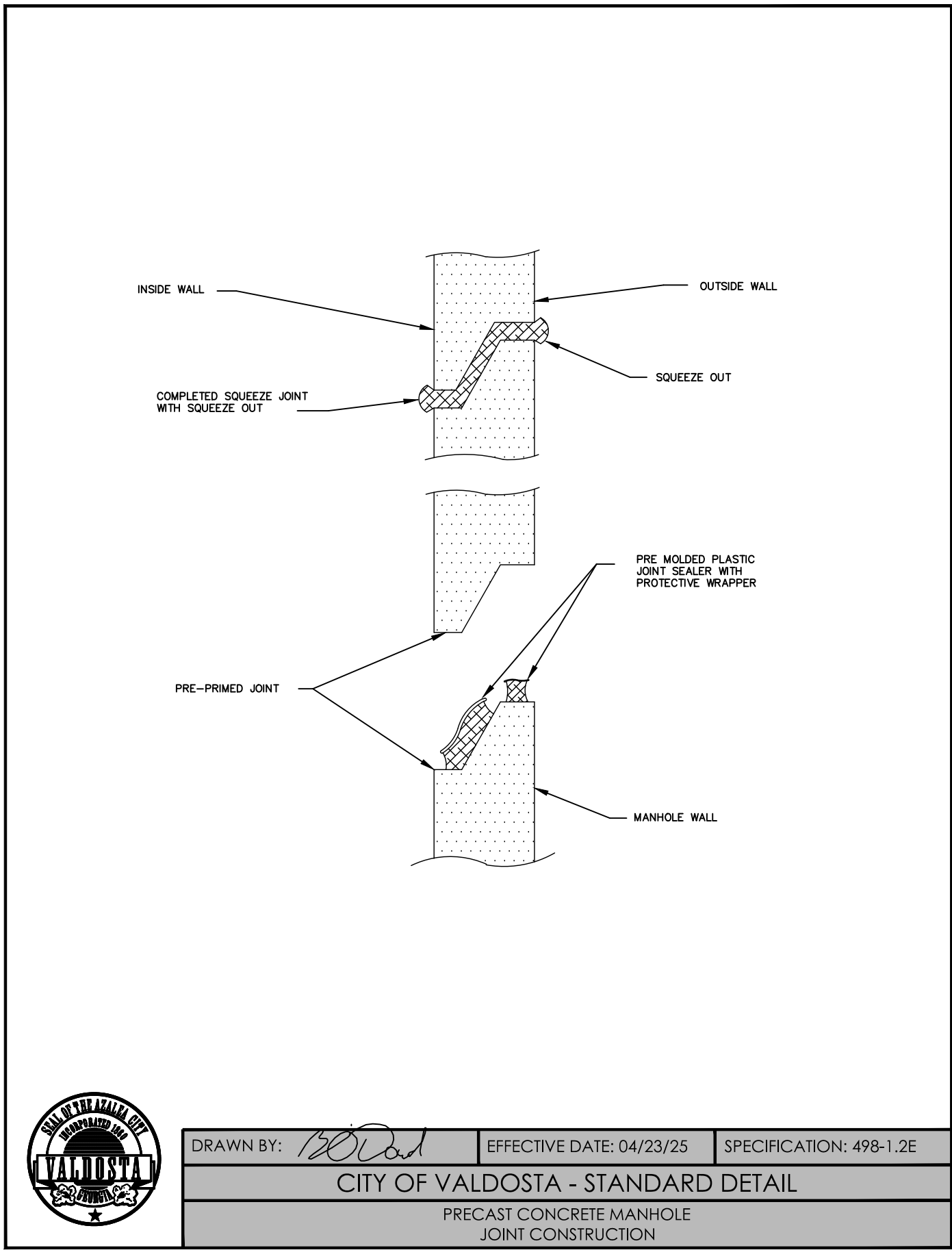
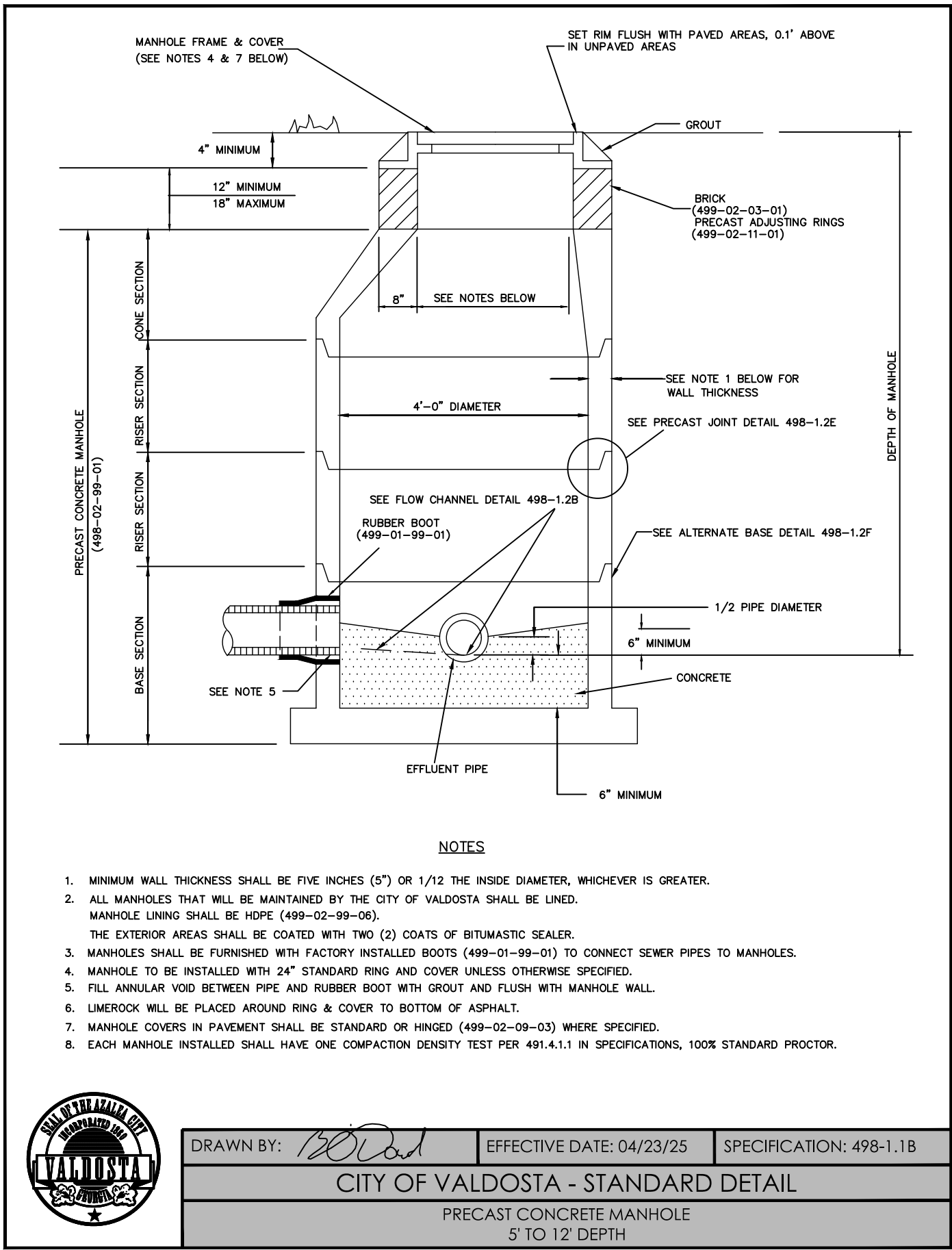
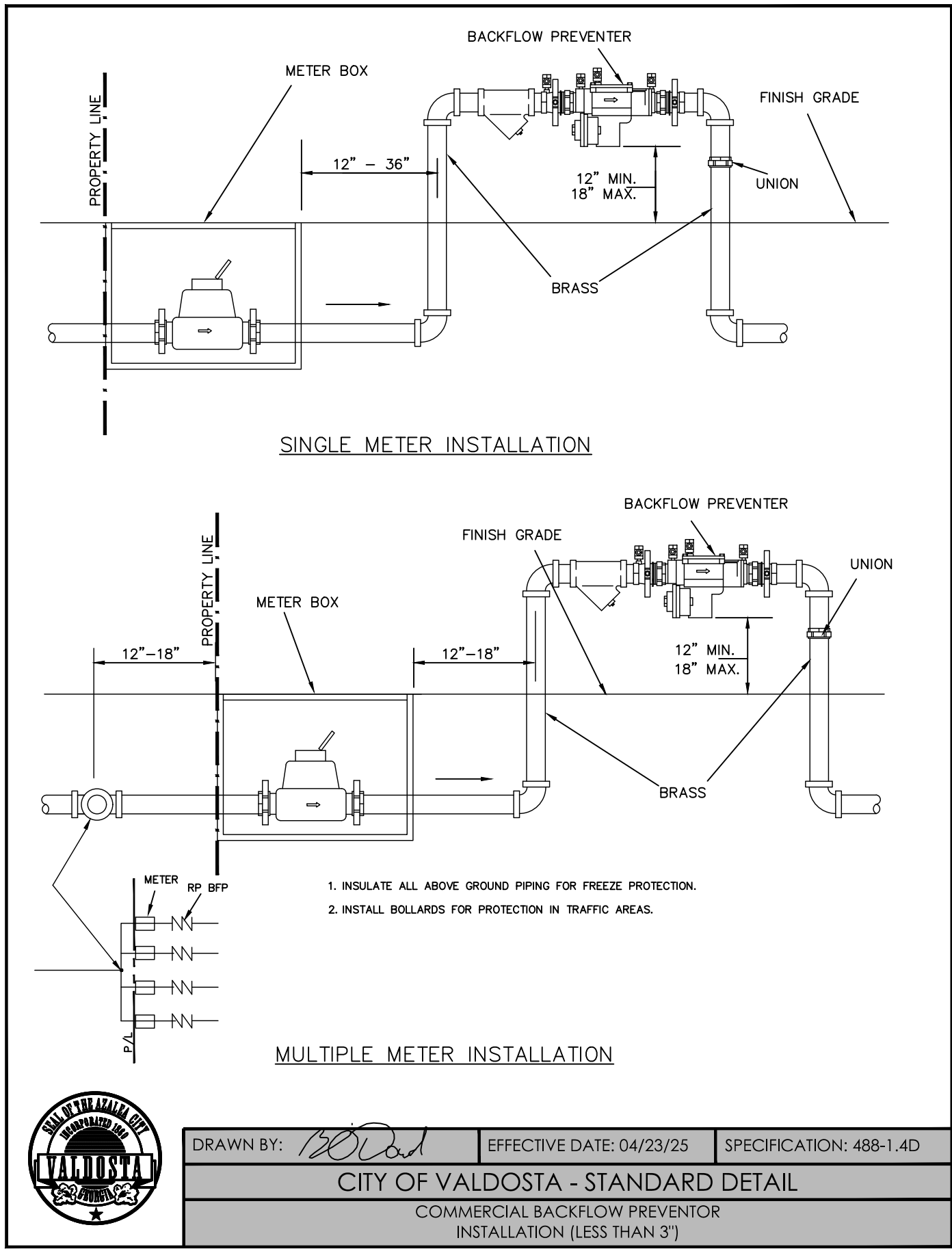
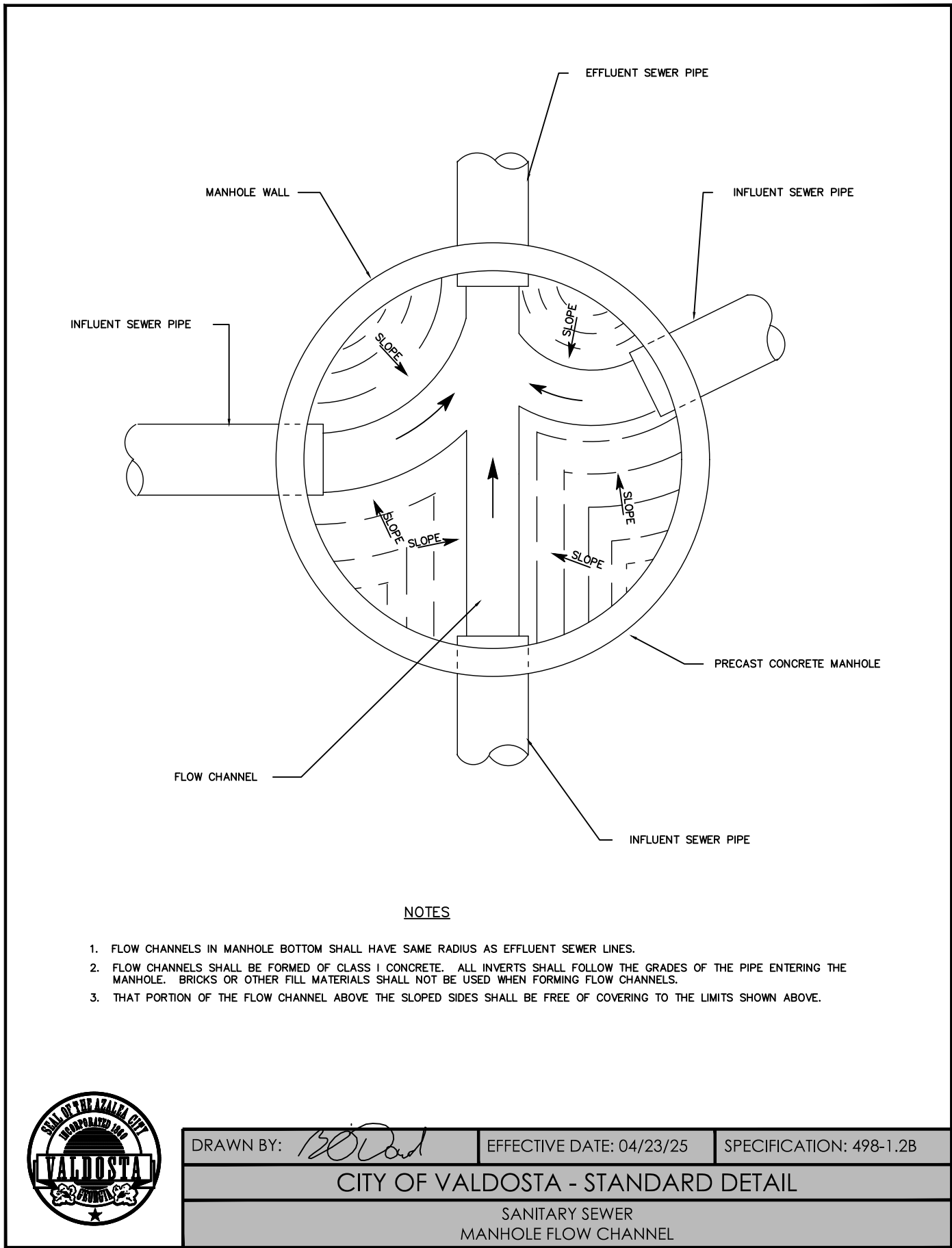
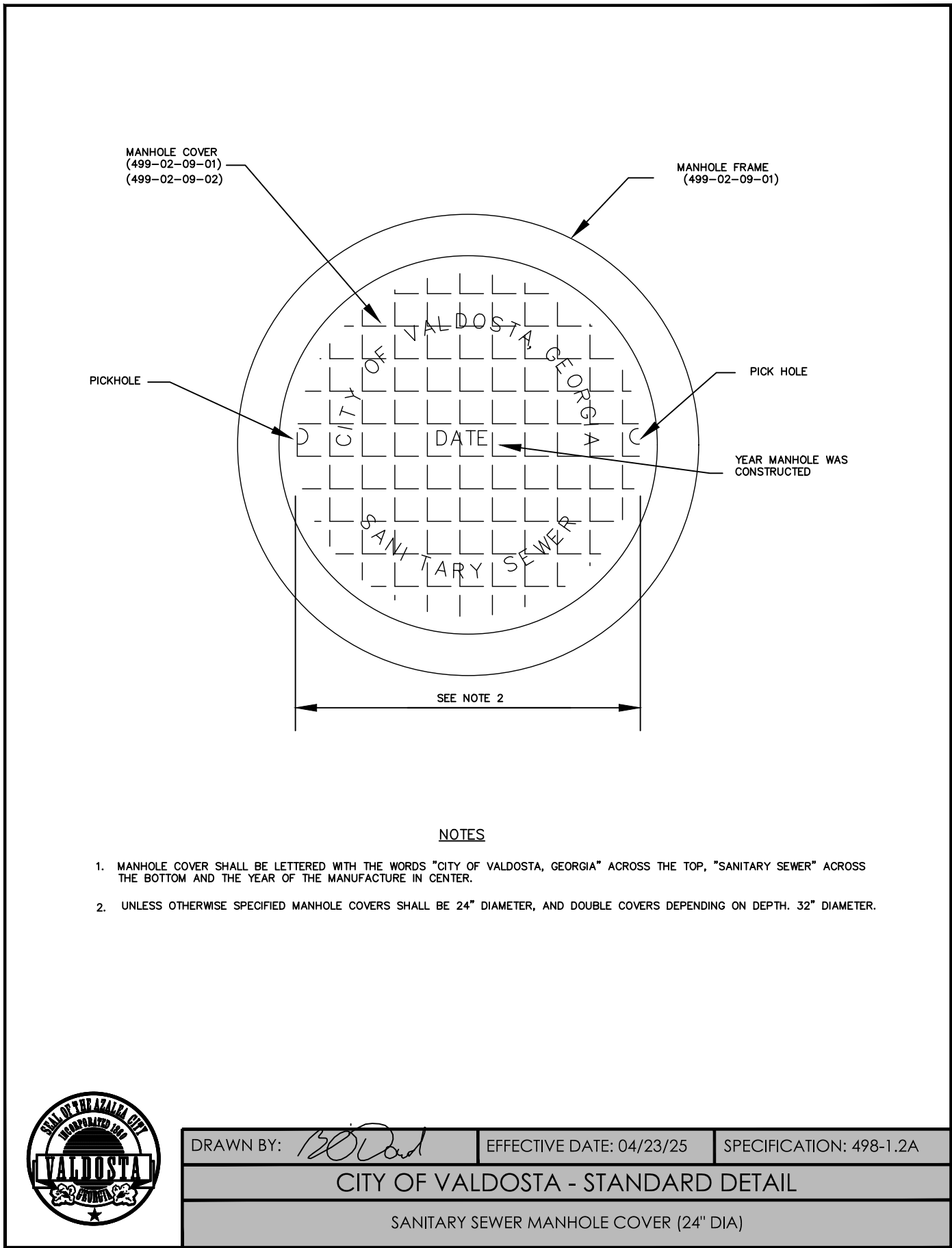
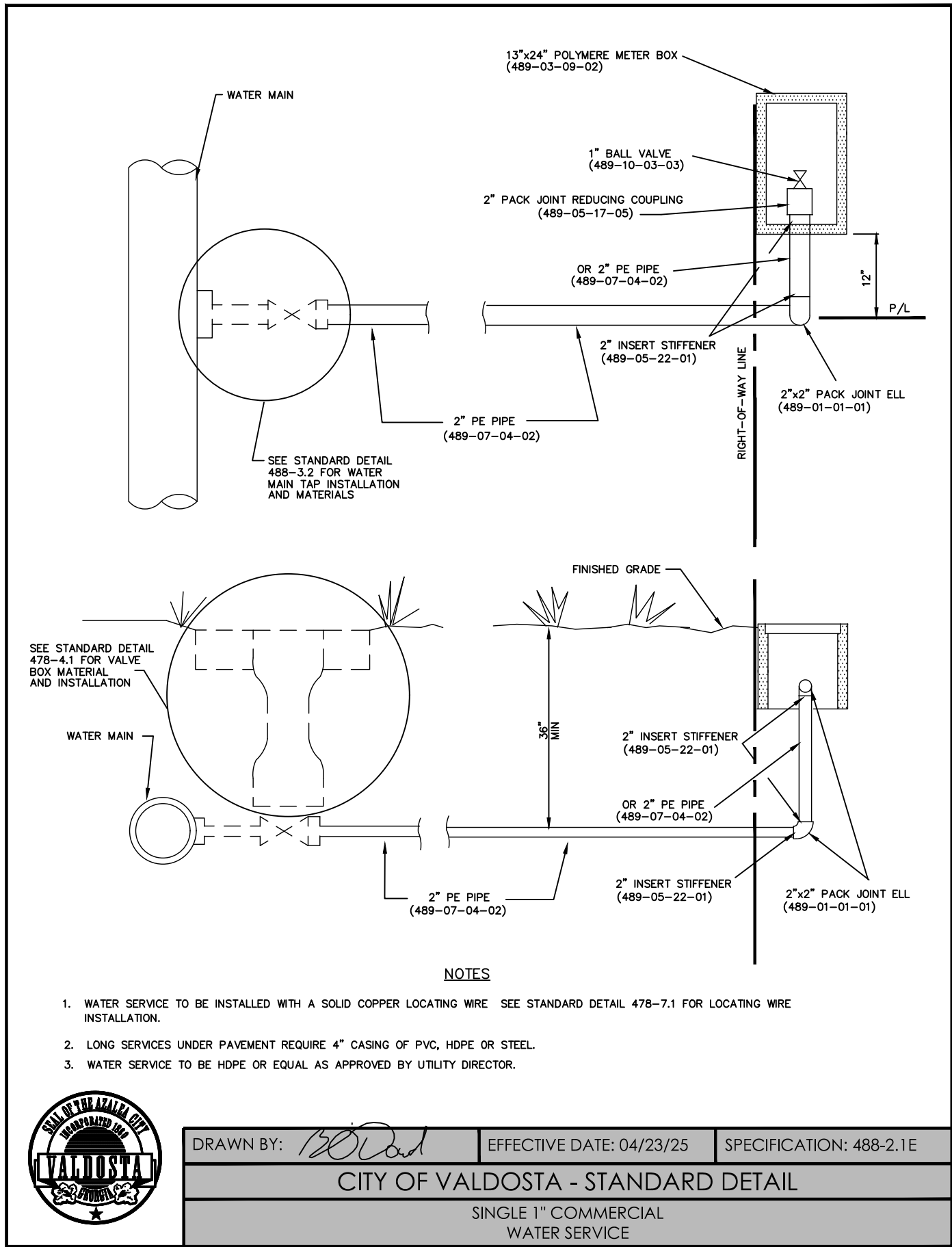
CITY OF VALDOSTA
ENGINEERING DEPARTMENT
KNIGHTS MILL
LIFT STATION REHABILITATION

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IFB	04/23/25

COVER

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CITY OF VALDOSTA
ENGINEERING DEPARTMENT
KNIGHTS MILL
LIFT STATION REHABILITATION

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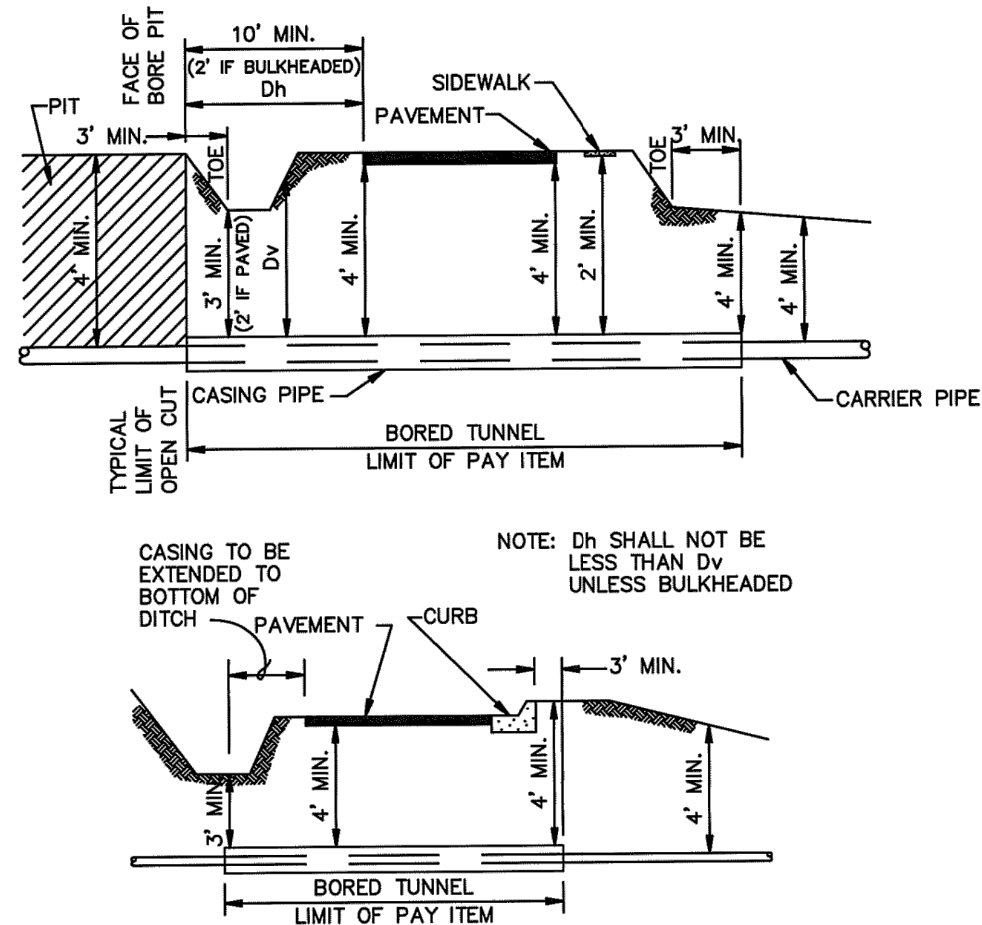
CONSTRUCTION
DETAILS (1 OF 2)

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FILENAME: REVDATE

USERNAME

NOTE: CONSTRUCTION IN GEORGIA DEPARTMENT OF TRANSPORTATIONS RIGHT-OF-WAY SHALL CONFORM TO D.O.T. STD. SPECIFICATIONS



HIGHWAY UTILITY CROSSING DETAIL
N.T.S.

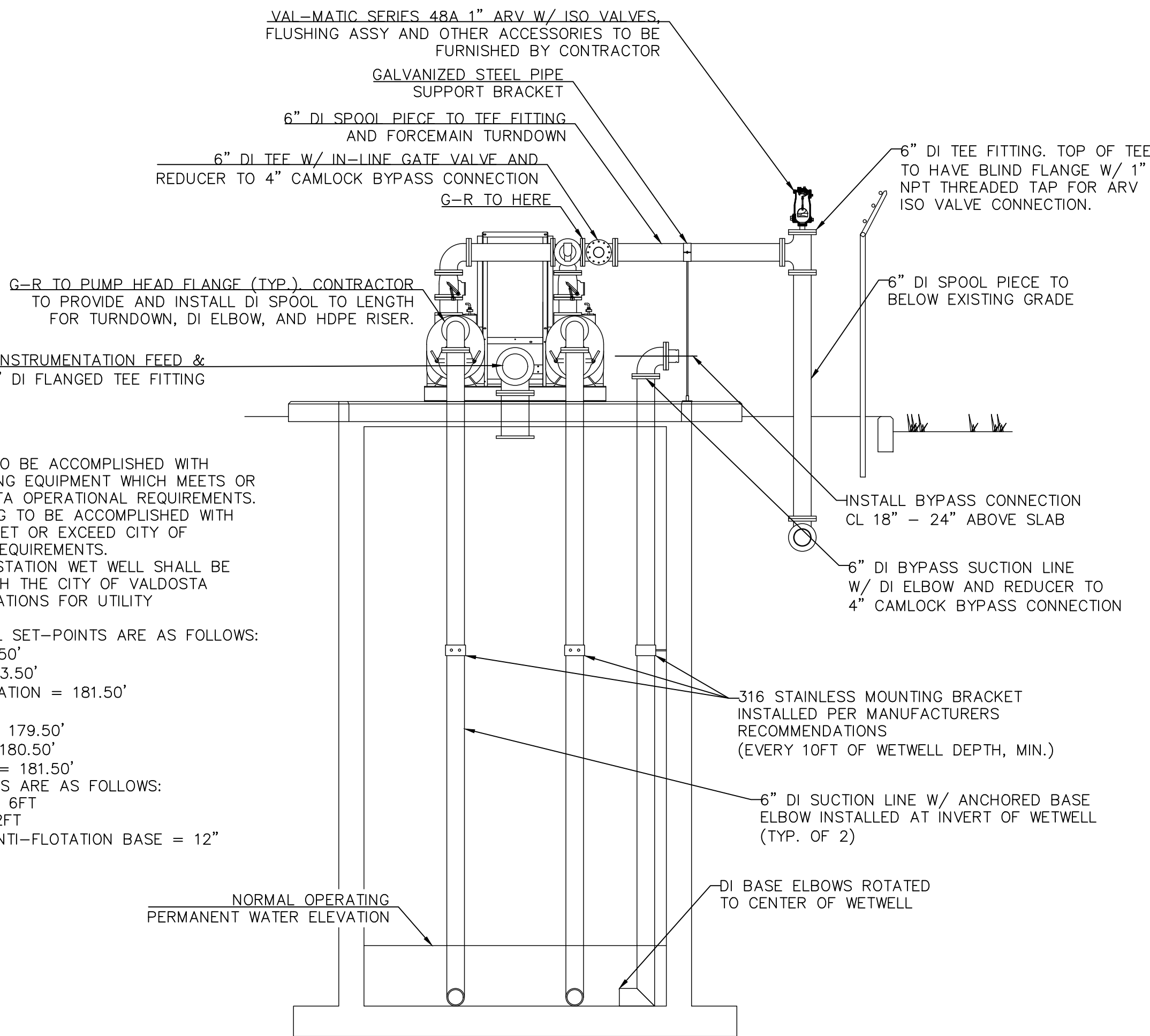


LOWNDES COUNTY, GEORGIA
STANDARD DETAILS
WATER AND WASTEWATER

REVISED JANUARY 2003
DATE : JULY 1996
SCALE : N.T.S.
JOB NO.: 1215-015-01
SHT. LC-19

GENERAL NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE CITY OF VALDOSTA ENGINEERING DEPARTMENT IN WRITING OF THEIR INTENT TO BEGIN WORK 72-HOURS PRIOR TO THE COMMENCEMENT OF EFFORT ON THE PROJECT.
2. ALL WATER, SANITARY SEWER, AND STORM SEWER CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF VALDOSTA STANDARD SPECIFICATIONS FOR UTILITY CONSTRUCTION AS WELL AS THE CITY OF VALDOSTA LAND DEVELOPMENT REGULATIONS.
3. ALL WORK PERFORMED WITHIN THE GEORGIA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH GDOT STANDARDS AND SPECIFICATIONS.
4. THE CONTRACTOR SHALL MAINTAIN THE WORK AREA IN A CLEAN, SAFE, AND ORDERLY MANNER AND SHALL BE RESPONSIBLE FOR ANY HARM OR DAMAGES CAUSED BY THEIR NEGLIGENCE DURING THE WORK.
5. THE CONTRACTOR SHALL INSTALL PERMANENT GRASSING OVER ALL DISTURBED AREAS FOLLOWING COMPLETION OF THE WORK.
6. THE CONTRACTOR SHALL REMOVE ANY BORE SPOILAGE, SEDIMENT, OR OTHER SIDECAST MATERIAL GENERATED BY OR DURING THE WORK FROM THE WORK AREA AS WELL AS FROM AREAS ADJACENT TO THE WORK AREA.
7. ALL UNDERGROUND UTILITY WORK AND STORM PIPE INSTALLATION MUST BE INSTALLED BY A GA LICENSED UNDERGROUND UTILITY CONTRACTOR.
8. THE UNDERGROUND UTILITIES DEPICTED ON THIS PLAN ARE A SCHEMATIC REPRESENTATION OF FIELD CONDITIONS AND MAY NOT BE PERFECTLY REPRESENTATIVE OF UNDERGROUND UTILITY SIZE, MATERIAL, DEPTH, CONDITION, OR LOCATION.
9. THE CONTRACTOR SHALL FIELD VERIFY ALL UNDERGROUND UTILITY LOCATIONS IN CONFLICT WITH THE PROPOSED WORK PRIOR TO COMMENCEMENT OF THE WORK. IF VARIATIONS ARE IDENTIFIED WHICH MATERIALLY AFFECT THE CONTRACTOR'S ABILITY TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE OWNER TO RESOLVE THE CONFLICT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING IN 811 DIG LOCATES FOR UNDERGROUND UTILITIES WITHIN THE WORK AREA PRIOR TO THE COMMENCEMENT OF WORK. IF WORK IS STALLED ON THE PROJECT FOR LONGER THAN 30 DAYS OR IF THE LOCATE MARKINGS ARE REMOVED FOR ANY REASON FROM THE WORK AREA, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING IN AN ADDITIONAL LOCATE PRIOR TO RE-COMMENCEMENT OF WORK.
11. IF THE CONTRACTOR DISCOVERS ANY VARIANCE BETWEEN THE SURVEY PROVIDED AND THE CONDITIONS IN THE FIELD WHICH MATERIALLY AFFECTS THE CONTRACTOR'S ABILITY TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY.
12. THE CONTRACTOR SHALL MAINTAIN CONTINUAL ACCESS TO PROPERTY IMPACTED BY OR ADJACENT TO THE WORK AREA.
13. THE CONTRACTOR SHALL MAINTAIN CONTINUAL UTILITY SERVICE TO PROPERTY IMPACTED BY OR ADJACENT TO THE WORK AREA.
14. THE CONTRACTOR SHALL ORGANIZE THE WORK AND PROVIDE SUFFICIENT EQUIPMENT SUCH THAT TRAFFIC REMAINS OPEN TO THE PUBLIC. THE CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF THE MOST RECENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL LIMIT TEMPORARY ROAD AND LANE CLOSURE TIME, AND SHALL SCHEDULE SUCH TEMPORARY CLOSURES DURING TIMES OF LOW TRAFFIC VOLUME. THE CONTRACTOR SHALL MAKE USE OF A TRENCH BOX OR OTHER METHOD OF TRENCH STABILIZATION IN AN EFFORT TO LIMIT EXCAVATION WIDTHS - PARTICULARLY IN DEEP TRENCH DEPTHS. ALL EXCAVATION WORK SHALL MEET LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.
15. THE CONTRACTOR SHALL PROTECT ANY ADJACENT ROADWAY IMPROVEMENTS FROM DAMAGE DURING CONSTRUCTION ACTIVITIES.
16. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS, MONUMENTS AND SURVEY MARKERS DESTROYED OR DISPLACED DURING CONSTRUCTION SHALL BE REPLACED BY A LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.



NOTES:

1. PRIMARY LEVEL SENSING TO BE ACCOMPLISHED WITH TRANSDUCER LEVEL SENSING EQUIPMENT WHICH MEETS OR EXCEEDS CITY OF VALDOSTA OPERATIONAL REQUIREMENTS.
2. SECONDARY LEVEL SENSING TO BE ACCOMPLISHED WITH FLOAT SENSORS WHICH MEET OR EXCEED CITY OF VALDOSTA OPERATIONAL REQUIREMENTS.
3. ALL MANHOLES AND LIFT STATION WET WELL SHALL BE LINED IN ACCORDANCE WITH THE CITY OF VALDOSTA STANDARDS AND SPECIFICATIONS FOR UTILITY CONSTRUCTION.
4. LIFT STATION OPERATIONAL SET-POINTS ARE AS FOLLOWS:
 - 4.1. RIM ELEVATION = 195.50'
 - 4.2. SUMP ELEVATION = 173.50'
 - 4.3. INFLUENT INVERT ELEVATION = 181.50'
 - 4.4. ALL OFF = 175.50'
 - 4.5. LEAD ON ELEVATION = 179.50'
 - 4.6. LAG ON ELEVATION = 180.50'
 - 4.7. HIGH HIGH ELEVATION = 181.50'
5. WET WELL CHARACTERISTICS ARE AS FOLLOWS:
 - 5.1. WET WELL DIAMETER = 6FT
 - 5.2. WET WELL DEPTH = 22FT
 - 5.3. WET WELL INTEGRAL ANTI-FLOTATION BASE = 12" THICK, 9.5FT DIA

LIFT STATION - COMPOSITE SECTION DETAIL
N.T.S.



CITY OF VALDOSTA
ENGINEERING DEPARTMENT

KNIGHTS MILL
LIFT STATION REHABILITATION

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CONSTRUCTION
DETAILS (2 OF 2)

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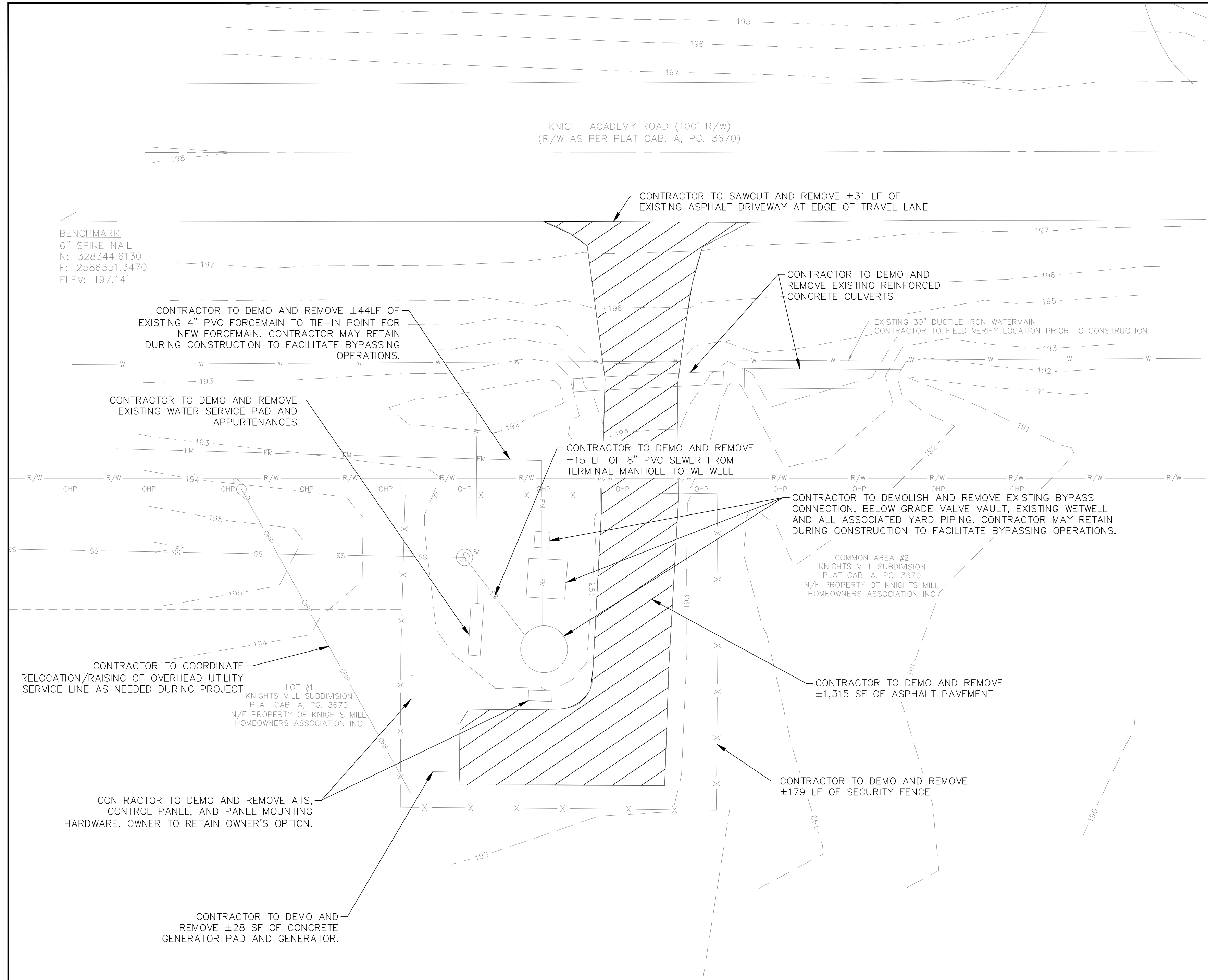
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DRAWN BY: *[Signature]* EFFECTIVE DATE: 04/23/25 SPECIFICATION: 498-2.1.A

CITY OF VALDOSTA - STANDARD DETAIL

SINGLE SANITARY SEWER SERVICE



DEMOLITION NOTES:

1. DEMOLITION SHOWN ON THIS PLAN IS A SCHEMATIC REPRESENTATION OF DEMOLITION REQUIRED THE ACCOMPLISH THE WORK. ADDITIONAL DEMOLITION MAY BE REQUIRED BEYOND THE ESTIMATED QUANTITIES SHOWN HEREON.
2. CONTRACTOR TO MULCH/REMOVE EXISTING VEGETATION WITHIN THE LIFT STATION SITE AND GRADING AREA.
3. CONTRACTOR TO COORDINATE RELOCATION OF EXISTING POWER SERVICE AS REQUIRED WITH SERVICE PROVIDER.
4. CONTRACTOR TO REMOVE ANY FOREIGN MATERIAL ENCOUNTERED BELOW GRADE WITHIN THE WORK AREA DURING CONSTRUCTION AND BACKFILL ALL VOIDS WITH SUITABLE BACKFILL MATERIAL.
5. CONTRACTOR TO PROVIDE CONTINUAL SANITARY SEWER SERVICE TO EXISTING CUSTOMERS DURING CONSTRUCTION OF THE IMPROVEMENTS. THE CONTRACTOR MAY MAKE SELECTIVE USE OF THE EXISTING INFRASTRUCTURE AND PHASE DEMOLITION SUFFICIENT TO ACCOMPLISH CONTINUAL SERVICE.
6. CONTRACTOR TO MAINTAIN THE LIFT STATION IN A SECURE AND SAFE MANNER DURING CONSTRUCTION.



CITY OF VALDOSTA
ENGINEERING DEPARTMENT

KNIGHTS MILL
LIFT STATION REHABILITATION

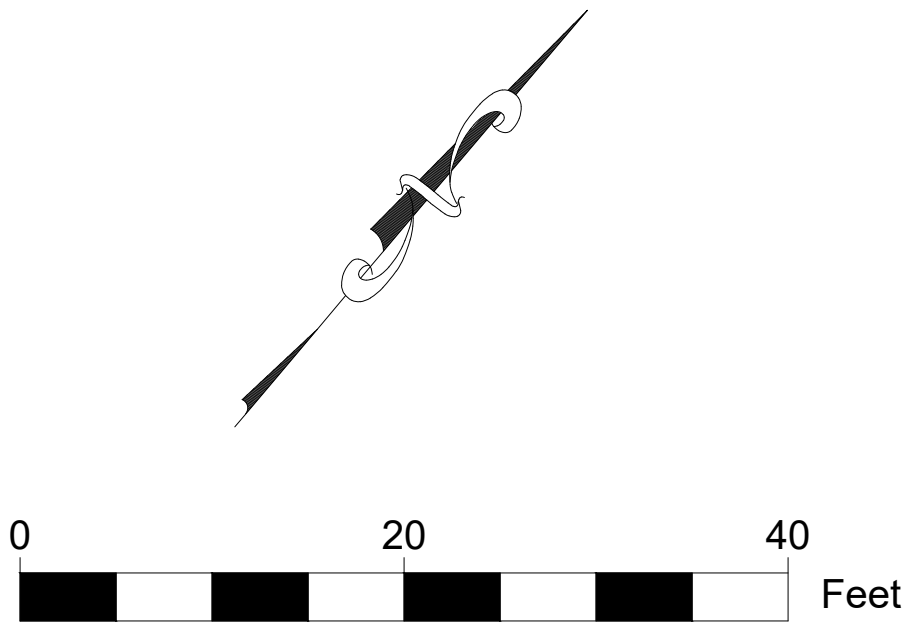
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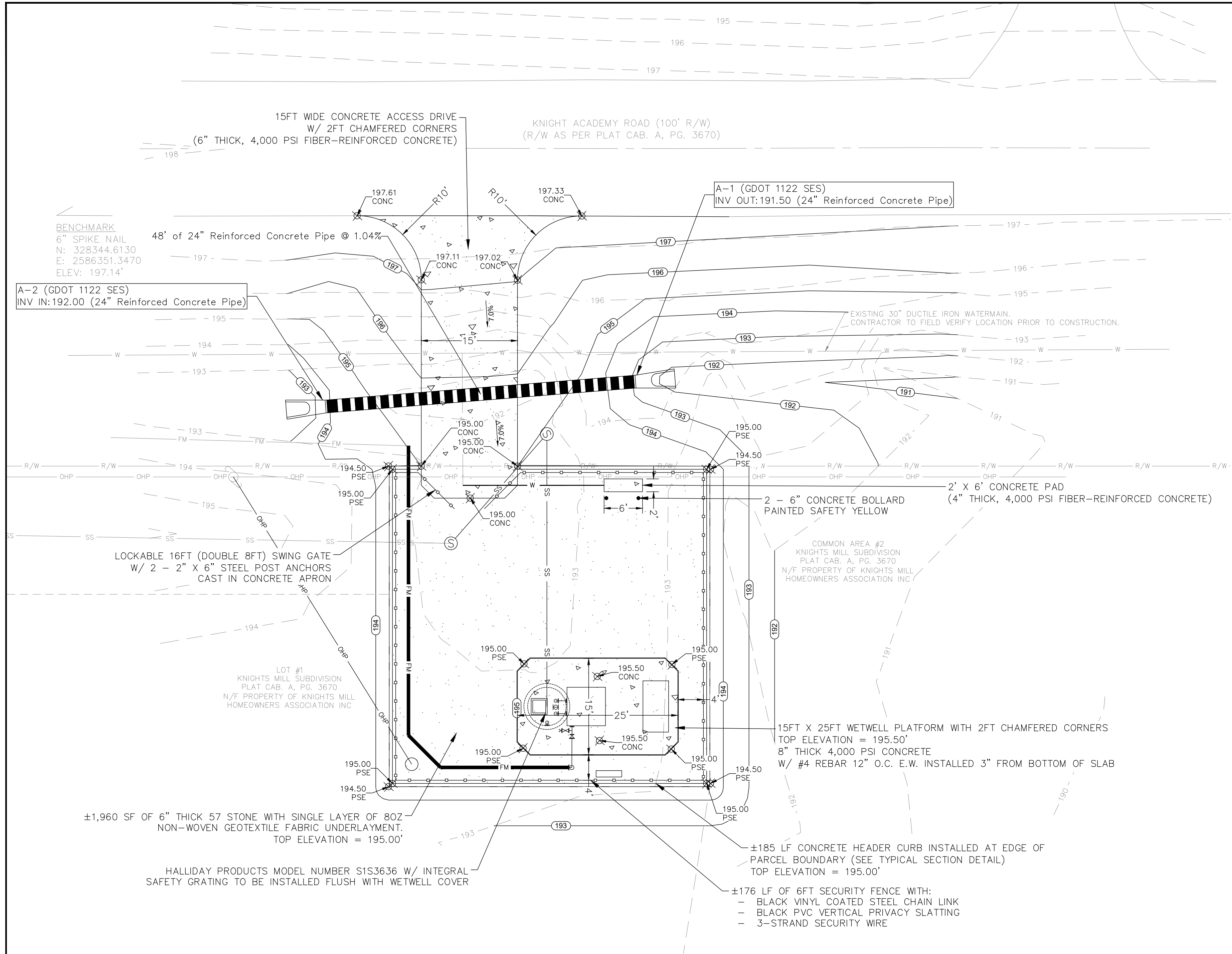
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LIFT STATION SERIES
EXISTING CONDITION
AND DEMO PLAN

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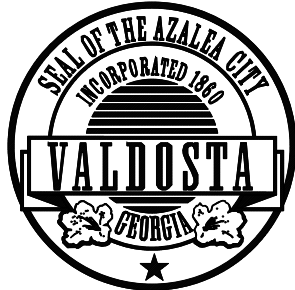
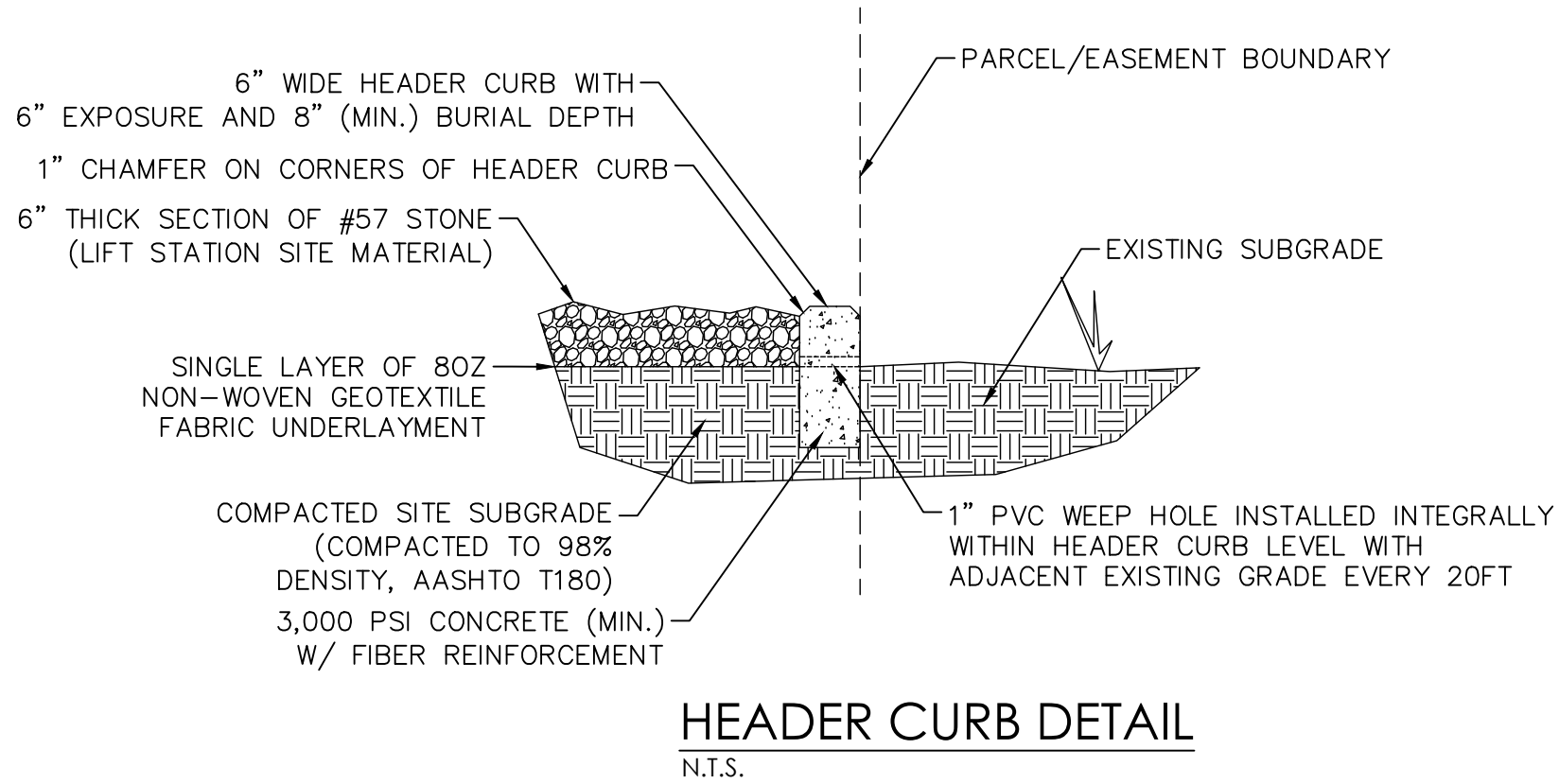
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SITE LAYOUT AND GRADING NOTES:

1. DEMOLITION SHOWN ON THIS PLAN IS A SCHEMATIC REPRESENTATION OF DEMOLITION REQUIRED THE ACCOMPLISH THE WORK. ADDITIONAL DEMOLITION MAY BE REQUIRED BEYOND THE ESTIMATED QUANTITIES SHOWN HEREON.
2. CONTRACTOR TO MULCH/REMOVE EXISTING VEGETATION WITHIN THE LIFT STATION SITE AND GRADING AREA.
3. CONTRACTOR TO COORDINATE RELOCATION OF EXISTING POWER SERVICE AS REQUIRED WITH GEORGIA POWER/COLQUITT EMC.
4. CONTRACTOR TO REMOVE ANY FOREIGN MATERIAL IDENTIFIED BELOW EXISTING GRADE DURING CONSTRUCTION.
5. CONTRACTOR TO PROVIDE CONTINUAL SANITARY SEWER SERVICE TO EXISTING CUSTOMERS DURING CONSTRUCTION OF THE IMPROVEMENTS. THE CONTRACTOR MAY MAKE SELECTIVE USE OF THE EXISTING INFRASTRUCTURE AND PHASE DEMOLITION SUFFICIENT TO ACCOMPLISH CONTINUAL SERVICE.
6. CONTRACTOR TO MAINTAIN THE LIFT STATION IN A SECURE AND SAFE MANNER DURING CONSTRUCTION.



CITY OF VALDOSTA
ENGINEERING DEPARTMENT
KNIGHTS MILL
LIFT STATION REHABILITATION

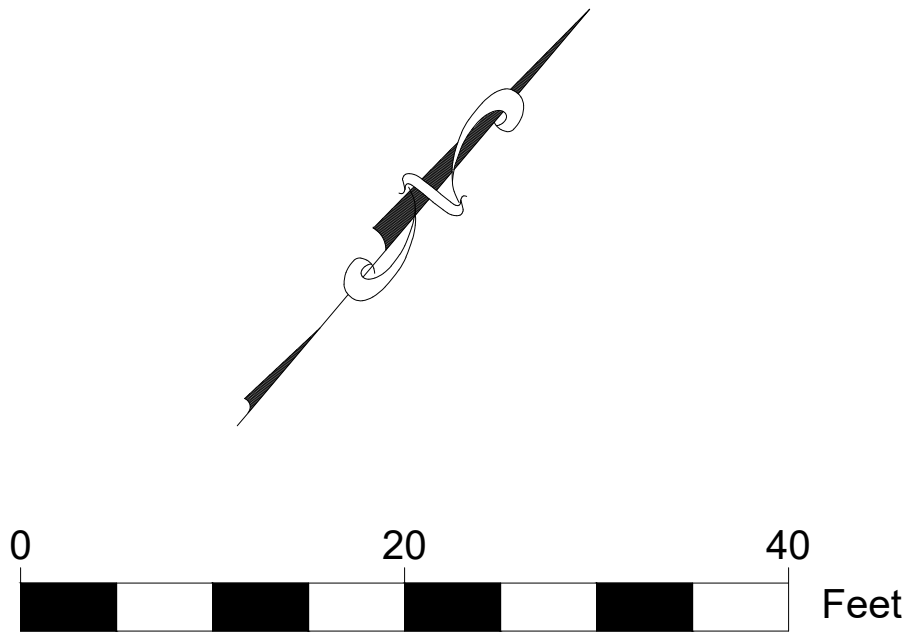
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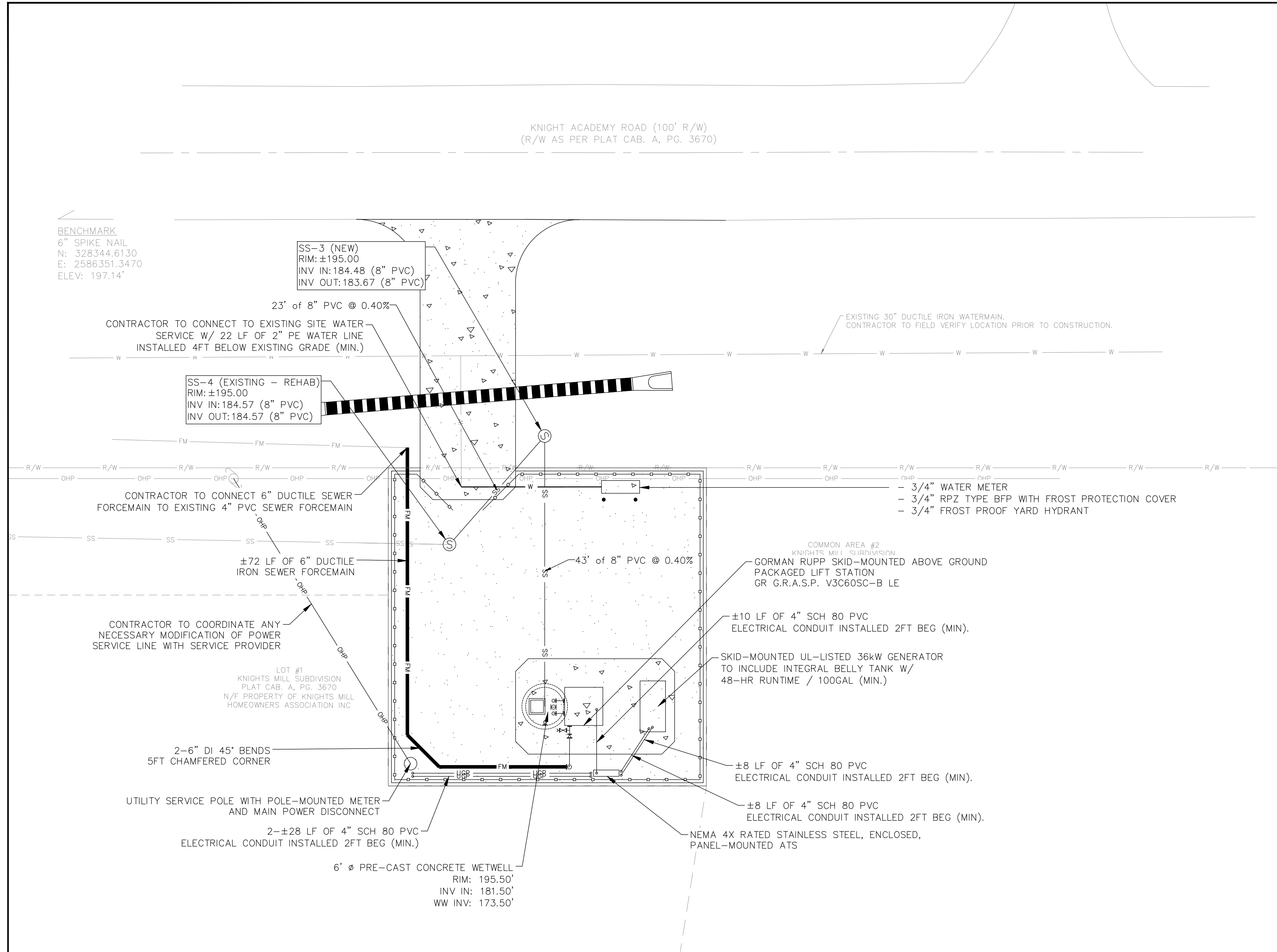
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LIFT STATION SERIES
DIMENSIONED SITE
AND GRADING PLAN

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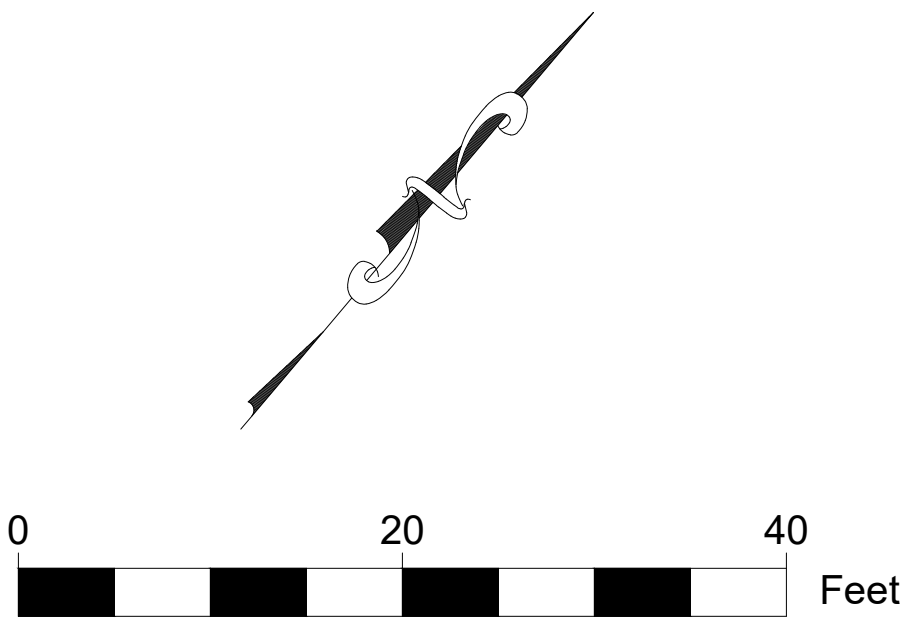
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SITE PLUMBING AND ELECTRICAL NOTES:

- ALL DUCTILE IRON PIPING TO BE INSTALLED AND COATED (INTERIOR AND EXTERIOR) IN ACCORDANCE WITH CITY OF VALDOSTA OPERATIONAL REQUIREMENTS.
- 1.1. PUMP LOWER ELBOWS, RISER PIPES, UPPER ELBOWS, AND ABOVE GROUND PIPING SHALL BE COATED INSIDE WITH TNEC SERIES 431 PERMA-SHIELD PL OR APPROVED ALT.
- 1.2. ALL INTERIOR WET WELL PIPES AND ELBOWS INCLUDING PUMP LOWER ELBOWS SHALL BE COATED OUTSIDE WITH TNEC SERIES 431 PERMA-SHIELD PL OR APPROVED ALT.
- 1.3. ALL ABOVE GROUND PIPING SHALL BE PAINTED USING SHERWIN-WILLIAMS ACROLON 218 HS GLOSS POLYURETHANE SW 4072 CEDAR GREEN TOP COAT. BASE COAT FOR THE SHERWIN-WILLIAMS TOP COAT IS SHERWIN-WILLIAMS MACRO-POXY 646.
2. CONTRACTOR TO PROVIDE FINAL SHOP DRAWINGS/SPECIFICATIONS FOR GR PACKAGED LIFT STATION, SKID-MOUNTED GENERATOR ASSY., AND WETWELL LID FOR REVIEW FOR CONFORMITY WITH CITY OF VALDOSTA OPERATIONAL REQUIREMENTS PRIOR TO PURCHASE.
3. CONTRACTOR TO VERIFY GENERATOR WATTAGE REQUIREMENTS BASED ON PUMP CONTROL PANEL SCHEDULE PRIOR TO PURCHASE.
4. CONTRACTOR TO PURCHASE AND INSTALL GENERATOR, AUTOMATIC TRANSFER SWITCH, SITE WIRING AND CONDUIT. THE SITE CONDUIT SHOWN ON THIS PLAN IS SCHEMATIC IN NATURE. IF ADDITIONAL CONDUIT OR LARGER CONDUIT IS REQUIRED, PLEASE SUBMIT A REVISED SITE CONDUIT PLAN FOR CITY OF VALDOSTA STAFF REVIEW PRIOR TO INSTALLATION.
5. HIGH VOLTAGE, LOW VOLTAGE, AND INSTRUMENTATION WIRING SHALL BE CONTAINED WITHIN SEPARATE RUNS OF CONDUIT.



CITY OF VALDOSTA
ENGINEERING DEPARTMENT

KNIGHTS MILL
LIFT STATION REHABILITATION

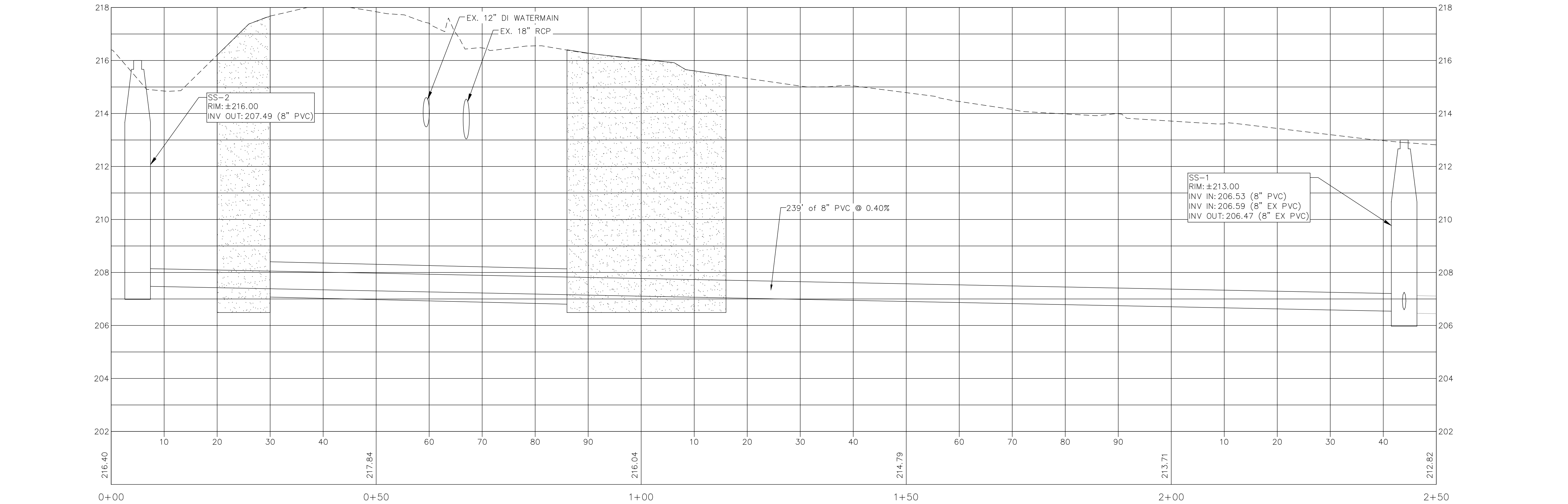
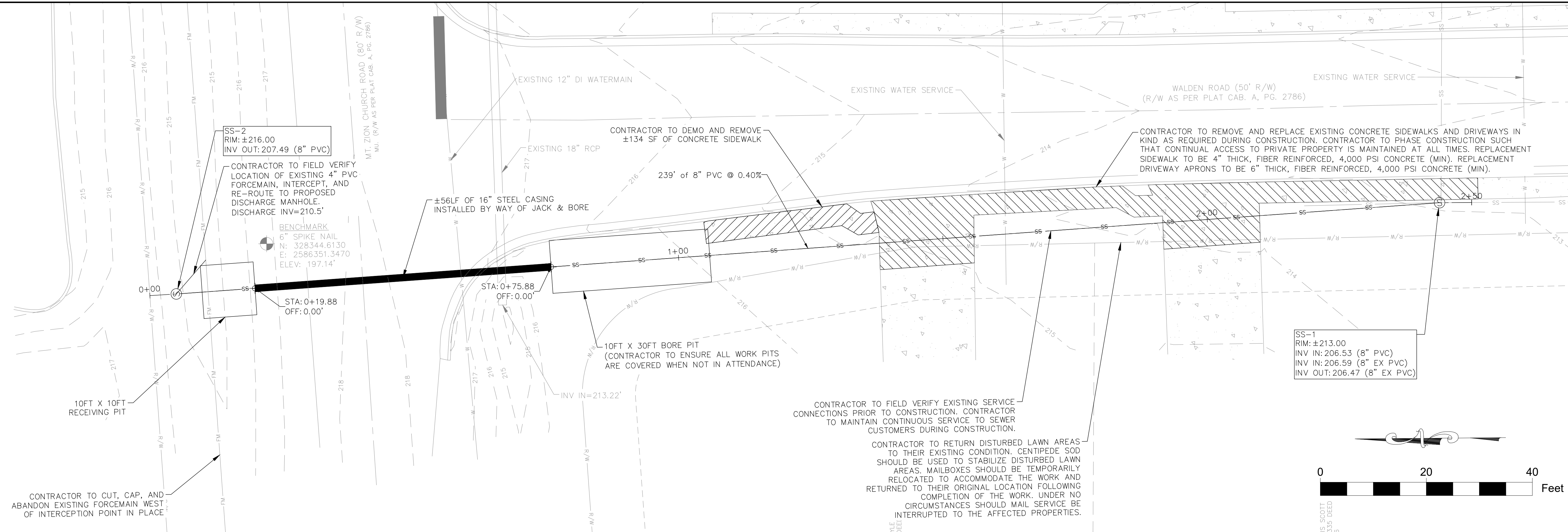
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LIFT STATION SERIES
SITE PLUMBING AND
ELECTRICAL PLAN

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CITY OF VALDOSTA
ENGINEERING DEPARTMENT

KNIGHTS MILL
LIFT STATION REHABILITATION

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GRAVITY SEWER SERIES
PLAN AND PROFILE

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