

UTILITY CONSTRUCTION

THIS SHEET CORRESPONDS TO
ROADWAY SHEET 5

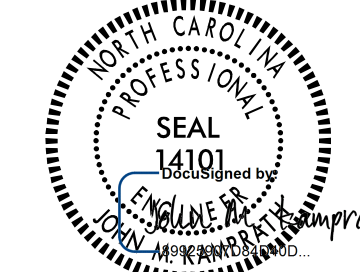
U-6187

3RD1 UC-5

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DAVIE COUNTY

ROADWAY DESIGN UNIT

6/3/2025



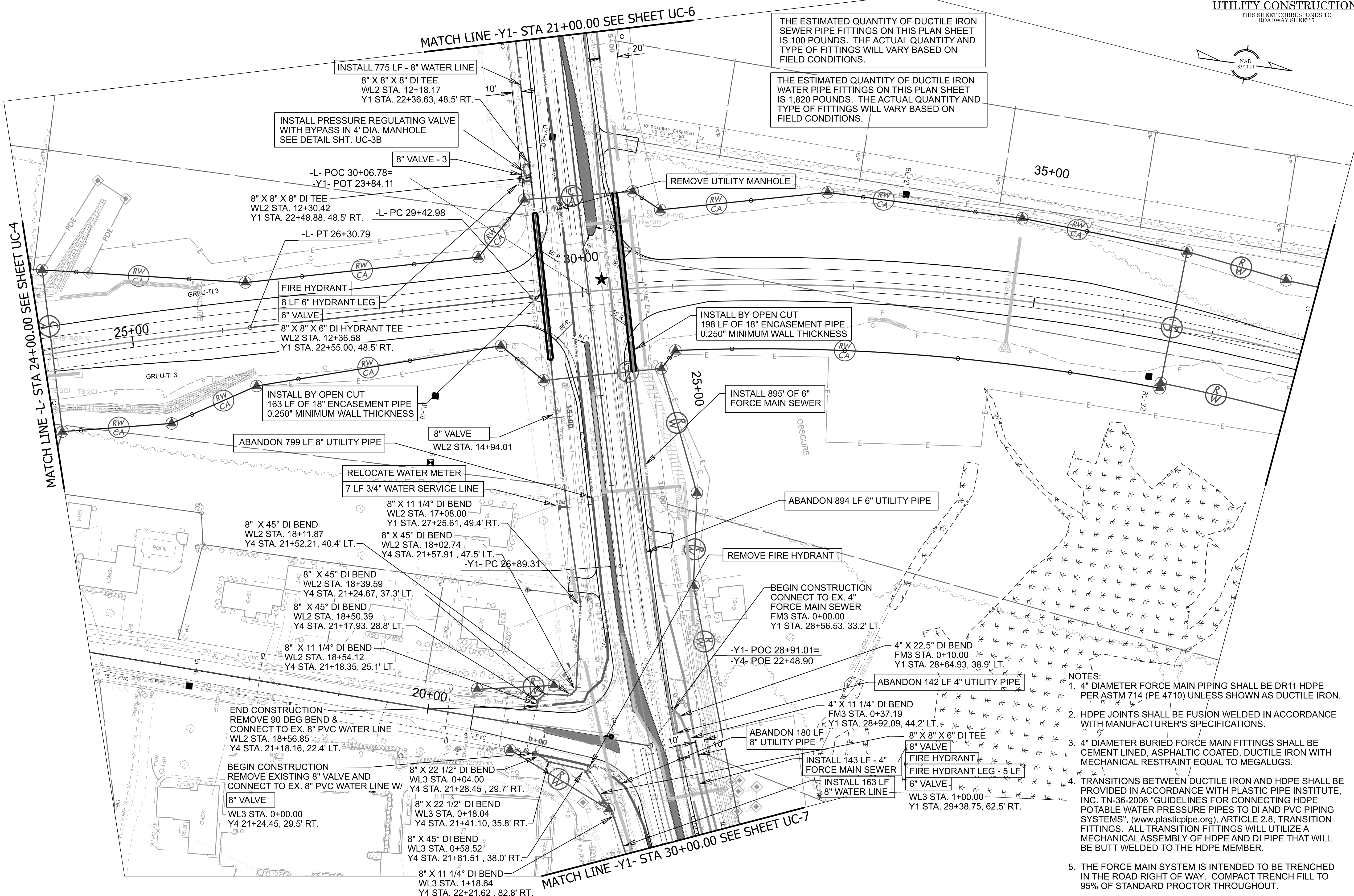
UTILITY CONSTRUCTION
PLANS ONLY

PREPARED BY



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

REVISIONS



THE ESTIMATED QUANTITY OF DUCTILE IRON
SEWER PIPE FITTINGS ON THIS PLAN SHEET
IS 100 POUNDS. THE ACTUAL QUANTITY AND
TYPE OF FITTINGS WILL VARY BASED ON
FIELD CONDITIONS.

THE ESTIMATED QUANTITY OF DUCTILE IRON
WATER PIPE FITTINGS ON THIS PLAN SHEET
IS 1,820 POUNDS. THE ACTUAL QUANTITY AND
TYPE OF FITTINGS WILL VARY BASED ON
FIELD CONDITIONS.

- NOTES:
- 4" DIAMETER FORCE MAIN PIPING SHALL BE DR11 HDPE PER ASTM 714 (PE 4710) UNLESS SHOWN AS DUCTILE IRON.
 - HDPE JOINTS SHALL BE FUSION WELDED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - 4" DIAMETER BURIED FORCE MAIN FITTINGS SHALL BE CEMENT LINED, ASPHALTIC COATED, DUCTILE IRON WITH MECHANICAL RESTRAINT EQUAL TO MEGALUGS.
 - TRANSITIONS BETWEEN DUCTILE IRON AND HDPE SHALL BE PROVIDED IN ACCORDANCE WITH PLASTIC PIPE INSTITUTE, INC. TN-36-2006 "GUIDELINES FOR CONNECTING HDPE POTABLE WATER PRESSURE PIPES TO DI AND PVC PIPING SYSTEMS", (www.plasticpipe.org), ARTICLE 2.8, TRANSITION FITTINGS. ALL TRANSITION FITTINGS WILL UTILIZE A MECHANICAL ASSEMBLY OF HDPE AND DI PIPE THAT WILL BE BUTT WELDED TO THE HDPE MEMBER.
 - THE FORCE MAIN SYSTEM IS INTENDED TO BE TRENCHED IN THE ROAD RIGHT OF WAY. COMPACT TRENCH FILL TO 95% OF STANDARD PROCTOR THROUGHOUT.

FOR WATER LINE PROFILES SEE SHEETS UC-8 & UC-9
FOR FORCE MAIN PROFILES SEE SHEETS UC-10 & UC-11