

UTILITY CONSTRUCTION

GENERAL NOTES:

1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2024.
2. ALL WATER AND SANITARY SEWER FACILITIES ON THE PROJECT BELONG TO DAVIE COUNTY.
3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER RESOURCES, PUBLIC WATER SUPPLY SECTION. ALL SEWER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT QUALITY, DIVISION OF WATER RESOURCES, WATER QUALITY SECTION. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.
4. DAVIE COUNTY OWNS THE EXISTING UTILITY FACILITIES AND WILL OWN THE NEW UTILITY FACILITIES AFTER ACCEPTANCE BY THE DEPARTMENT. THE DEPARTMENT OWNS THE CONSTRUCTION CONTRACT AND HAS ADMINISTRATIVE AUTHORITY. COMMUNICATIONS AND DECISIONS BETWEEN THE CONTRACTOR AND DAVIE COUNTY ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN DAVIE COUNTY AND THE CONTRACTOR FOR THE WORK THAT IS NOT PART OF THIS CONTRACT OR IS SECONDARY TO THIS CONTRACT ARE ALLOWED, BUT ARE NOT BINDING UPON THE DEPARTMENT.
5. PROVIDE ACCESS FOR THE DEPARTMENT PERSONNEL AND DAVIE COUNTY'S REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND DAVIE COUNTY TWO WEEKS PRIOR TO COMMENCEMENT OF ANY WORK AND ONE WEEK PRIOR TO SERVICE INTERRUPTION. KEEP THE COUNTY'S REPRESENTATIVES INFORMED OF WORK PROGRESS AND PROVIDE OPPORTUNITY FOR INSPECTION OF CONSTRUCTION AND TESTING.

6. THE PLANS DEPICT THE BEST AVAILABLE INFORMATION FOR THE LOCATION, SIZE, AND TYPE OF MATERIAL FOR ALL EXISTING UTILITIES. MAKE INVESTIGATIONS FOR DETERMINING THE EXACT LOCATION, SIZE, AND TYPE MATERIAL OF THE EXISTING FACILITIES AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED UTILITIES AND FOR AVOIDING DAMAGE TO EXISTING FACILITIES. REPAIR ANY DAMAGE INCURRED TO EXISTING FACILITIES TO THE ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE DEPARTMENT.
7. MAKE FINAL CONNECTIONS OF THE NEW WORK TO THE EXISTING SYSTEM WHERE INDICATED ON THE PLANS, AS REQUIRED TO FIT THE ACTUAL CONDITIONS, OR AS DIRECTED.
8. MAKE CONNECTIONS BETWEEN EXISTING AND PROPOSED UTILITIES AT TIMES MOST CONVENIENT TO THE PUBLIC, WITHOUT ENDANGERING THE UTILITY SERVICE, AND IN ACCORDANCE WITH DAVIE COUNTY'S REQUIREMENTS. MAKE CONNECTIONS ON WEEKENDS, AT NIGHT, AND ON HOLIDAYS IF NECESSARY.
9. ALL UTILITY MATERIALS SHALL BE APPROVED PRIOR TO DELIVERY TO THE PROJECT. SEE 1500-7, " SUBMITTALS AND RECORDS" IN SECTION 1500 OF THE STANDARD SPECIFICATIONS.

PROJECT SPECIFIC NOTES:

1. ALL WATER LINES AND FORCE MAINS SHALL BE INSTALLED WITH A MINIMUM OF 3.0' OF COVER.
2. MAINTAIN 18" MINIMUM VERTICAL SEPARATION BETWEEN UTILITIES.
3. VERIFY ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF CONFLICTS ARE ENCOUNTERED.
4. CONTRACTOR SHALL COORDINATE UTILITY RELOCATION OR ABANDONMENT WITH LOCAL UTILITY COMPANIES AS REQUIRED.
5. WATER LINES SHALL BE AT LEAST 10 FEET Laterally FROM EXISTING OR PROPOSED SEWERS. WHERE LOCAL CONDITIONS PREVENT A SEPARATION OF 10 FEET, THE WATER LINE MAY BE LAID CLOSER PROVIDED THAT THE ELEVATION OF THE BOTTOM OF THE WATER LINE IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER WITH A HORIZONTAL SEPARATION OF 3 FEET.
6. ALL GATE VALVES SHALL BE APPROVED BY THE DAVIE COUNTY PUBLIC UTILITIES DEPARTMENT PRIOR TO INSTALLATION ON THIS PROJECT.
7. EXISTING TOPOGRAPHIC SURVEY AND SUE BY OTHERS. CONTRACTOR TO VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR TO CONFIRM FINAL CONNECTION POINTS IN THE FIELD.
8. EXISTING WATER LINE DEPTHS SHOWN ARE APPROXIMATE BASED ON BEST AVAILABLE INFORMATION. ACTUAL DEPTHS ARE TO BE CONFIRMED IN THE FIELD.
9. ALL CONNECTIONS TO EXISTING WATER LINES AND FORCE MAINS SHALL BE MADE WITH A THRUST COLLAR IN ACCORDANCE WITH THE DETAILS OF THESE PLANS.
10. FOR ALL NEW PRESSURE LINES, INSTALL A TEMPORARY CAP WITH A 2" 90 DEGREE BEND AND A 2" VERTICAL PIPE AT EACH END FOR FILLING, FLUSHING, DISINFECTION, AND PRESSURE TESTING. AFTER PASSING ALL TESTS, CONNECT THE NEW LINE INTO THE EXISTING LINE.

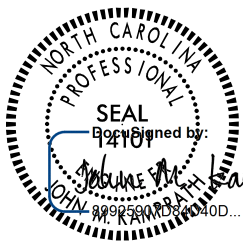
UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DAVIE COUNTY PUBLIC UTILITIES
STANDARD DETAILS

- 1.04 TRENCH BACKFILL FOR WATER
- 1.05 PIPE CONSTRUCTION NOTES
- 1.06 ENCASEMENT PIPE & SPACER DETAIL
- 1.08 CAP & TEE THRUST BLOCKS
- 1.09 COMPRESSION THRUST BLOCKS AT BENDS
- 1.10 TENSION THRUST BLOCKS ANCHORAGE AT BENDS
- 2.01 WATER MAIN GENERAL NOTES & SUPPLEMENTAL SPECIFICATIONS
- 2.07 STD. FIRE HYDRANT W/ HYD. TEE
- 2.08 STD. 'U' CONNECTION
- 2.21 TYP. 2" WATER CONNECTION
- 2.24 BLOW-OFF HYDRANT AT 2" END
- 3.01 3/4" WATER SERVICE
- 3.03 1.5" WATER SERVICE
- 4.03 1.5" REDUCED PRESSURE BACKFLOW PREVENTER

PRESSURE REGULATING VALVE WITH BYPASS
AIR RELIEF/VACUUM VALVE
2" FM STRAIGHT TAP CONNECTION

PROJECT REFERENCE NO.		SHEET NO.
U-6187		UC-3
DESIGNED BY: JMK	5/1/2025 	
DRAWN BY: JMK		
CHECKED BY:		
APPROVED BY: JMK		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		