

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 FACILITIES ON THE PROJECT BELONG TO THE MAGGIE VALLEY SANITARY DISTRICT.
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. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.
4. THE MAGGIE VALLEY SANITARY DISTRICT 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 THE MAGGIE VALLEY SANITARY DISTRICT ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE MAGGIE VALLEY SANITARY DISTRICT AND 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 THE SANITARY DISTRICT'S REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND THE SANITARY DISTRICT TWO WEEKS PRIOR TO COMMENCEMENT OF ANY WORK AND ONE WEEK PRIOR TO SERVICE INTERRUPTION. KEEP THE SANITARY DISTRICT 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 THE SANITARY DISTRICT'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 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. FIRE HYDRANT, FIRE HYDRANT LEG, AND VALVE WILL BE PROVIDED BY THE MAGGIE VALLEY SANITARY DISTRICT TO THE CONTRACTOR FOR 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. EXISTING 3" WATER LINE SHALL BE RE- MOVED BETWEEN THE CONNECTION POINTS OF THE NEW WATER LINE.
10. ALL CONNECTIONS TO EXISTING WATER LINES SHALL BE MADE WITH A THRUST COLLAR IN ACCORDANCE WITH THE DETAILS OF THESE PLANS.
11. CONTRACTOR SHALL COORDINATE WITH AT&T TO ENSURE THAT THE WATER LINE INSTALLATION DOES NOT CONFLICT WITH THE EXISTING UNDERGROUND FACILITIES.
12. ALL WATER LINES SHALL COMPLY WITH AWWA C151. ALL FITTINGS SHALL BE DUC- TILE IRON CONFORMING TO AWWA C110/C153. USE RESTRAINED JOINT PIPE WITH A MINIMUM WORKING PRESSURE RATING OF 200 PSI AND A FACTOR OF SAFETY OF 2.

13. DUCTILE IRON PIPE COUPLINGS SHALL BE MADE TO COMPLY TO ASTM A536, GRADE 65-45-12. GASKETS SHALL BE VIRGIN SBR RUBBER COMPOUNDED FOR WATER AND SEWER SERVICE, MEETING ASTM D2000 MBA 710. BOLTS AND HEAVY HEX NUTS SHALL BE STEEL MEETING AWWA C111 SPECIFICATIONS.

PROJECT REFERENCE NO.		SHEET NO.
DF18314.2044188		UC-3
DESIGNED BY: JMK		
DRAWN BY: JMK		
CHECKED BY: BTB		
APPROVED BY: JMK		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		

DocuSign John M. K... Professional Engineer Seal 14101 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ENGINEER JOHN M. K... 000	
---	--

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED