

UTILITY CONSTRUCTION

GENERAL NOTES:

1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NCDOT "STANDARD SPECIFICATIONS FOR ROAD AND STRUCTURES" DATE JANUARY 2012 AND ORANGE WATER AND SEWER AUTHORITY STANDARDS AND SPECIFICATIONS DATED AUGUST 2003 OR LATEST REVISED VERSION.
2. THE EXISTING UTILITIES BELONG TO CHATHAM COUNTY UTILITIES AND WATER DIVISION . CONTACT PERSON IS MR. LEONARD McBRYDE III, PE AT 919-542-8238.
3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES, DIVISION OF ENVIRONMENTAL HEALTH. ALL SEWER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES, DIVISION OF WATER QUALITY. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.
4. THE UTILITY OWNER 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 UTILITY OWNER ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNER 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 OWNER'S REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND THE UTILITY OWNER TWO WEEKS PRIOR TO COMMENCEMENT OF ANY WORK AND ONE WEEK PRIOR TO SERVICE INTERRUPTION. KEEP UTILITY OWNERS' REPRESENTATIVES INFORMED OF WORK PROGRESS AND PROVIDE OPPROTUNITY 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 UTILITY OWNER'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.
10. ALL VALVES AND BENDS SHALL BE RESTRAINED TO PIPE AND HAVE AT LEAST ONE (1) FULL LENGTH OF PIPE INSTALLED WHERE FEASIBLE. ALL TEES SHALL HAVE A FULL LENGTH OF PIPE INSTALLED OUT AT LEAST TWO (2) LEGS WHERE FEASIBLE.

PROJECT SPECIFIC NOTES:

1. WATER LINE SHALL BE 8" DUCTILE IRON RESTRAINED JOINT PIPE PC 350.
2. WATER LINE TIE-IN NEEDS TO BE COORDINATED WITH OWNER AND RESIDENT ENGINEER FOR THE TIE-INS MAY BE REQUIRED ON A WEEKEND OR NIGHT.
3. COST OF VALVE MARKER POST SHALL BE INCIDENTAL TO THE COST OF THE VALVE.
4. CONTRACTOR SHALL PROVIDE HORIZONTAL AND VERTICAL LOCATIONS BASED ON PROJECT COORDINATES OF ALL TIE-IN POINTS, EVERY 50 FEET ALONG WATER LINES, AT ALL VALVES, AND AT ALL HORIZONTAL AND VERTICAL FITTINGS.

Chain WL-1 contains:

Beginning chain WL-1 description

Point WAT91	N	671,833.6021 E	1,987,030.0650 Sta	0+00.00
Course from WAT91 to WAT92 N 20° 52' 14.42" W Dist 1.0000				
Point WAT92	45° BEND N	671,834.5365 E	1,987,029.7088 Sta	0+01.00
Course from WAT92 to WAT93 N 24° 07' 45.58" E Dist 6.0225				
Point WAT93	45° BEND N	671,840.0327 E	1,987,032.1707 Sta	0+07.02
Course from WAT93 to WAT94 N 20° 52' 14.42" W Dist 331.5290				
Point WAT94	45° BEND N	672,149.8092 E	1,986,914.0603 Sta	3+38.55
Course from WAT94 to WAT95 N 65° 52' 14.42" W Dist 63.2469				
Point WAT95	45° BEND N	672,175.6643 E	1,986,856.3396 Sta	4+01.80
Course from WAT95 to WAT96 N 21° 46' 04.08" W Dist 1.0000				
Point WAT96	N	672,176.5930 E	1,986,855.9688 Sta	4+02.80

Ending chain WL-1 description

PROJECT REFERENCE NO.	SHEET NO.
B-4461	UC-2
DESIGNED BY: JAN	
DRAWN BY: JAN	
CHECKED BY: JSM	
APPROVED BY: JSM	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

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