

11/13/18

PROJECT NO.: 14SP.20441.1

CONTRACT: C204411

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITIES NOTES

JMT Prepared in the Office of:
JOHNSON, MIRMIRAN, & THOMPSON, INC.
4700 Falls of Neuse Road, Suite 100,
Raleigh NC, 27609

**STRUCTURE 430175
HAYWOOD COUNTY**

PROJECT REFERENCE NO. 14SP.20441.1	SHEET NO. UC-3
DESIGNED BY: DRD	
DRAWN BY: DRD	
CHECKED BY: LAM	
APPROVED BY: RMS	
REVISED: 9/13/18	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 250-4128 FAX: (919) 250-4119	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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 2018.
2. THE EXISTING UTILITIES BELONG TO DUKE ENERGY CAROLINAS.
3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPT. OF ENVIRONMENTAL QUALITY, DIVISION OF WATER RESOURCES, PUBLIC WATER SUPPLY SECTION. 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. CONTRACTOR SHALL PREPARE AND SUBMIT A SEQUENCE OF CONSTRUCTION ACTIVITIES AND SCHEDULE WITH MAJOR MILESTONES AND DATES FOR REVIEW AND APPROVAL BY OWNER/ENGINEER.

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 THE EXISTING FACILITIES. REPAIR ANY DAMAGE INCURRED TO EXISTING FACILITIES TO ORIGINAL CONDITION OR BETTER, 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 FIELD 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. THE 6" NON-POTABLE WATER LINE IS THE FIRE LINE THAT SERVES THE HYDRO PLANT. CONTACT MR. CHRIS MANTOOTH AT 828-486-6507 TO SCHEDULE THE NEEDED SERVICE INTERRUPTION TO MAKE THE CONNECTIONS BETWEEN THE EXISTING AND PROPOSED WATER LINES FOR BOTH THE TEMPORARY RELOCATION TO THE DOWNSTREAM SIDE OF THE BRIDGE AND THE PERMANENT PLACEMENT ON THE UPSTREAM SIDE OF THE NEW BRIDGE.
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 TRENCH INSTALLED WATER LINES SHALL BE RESTRAINED DUCTILE IRON PRESSURE CLASS 350 (BITUMINUS EXTERIOR COATING AND CEMENT LINED INTERIOR), EXCEPT WHERE NOTED ON THE PLANS. PIPE FITTINGS SHALL BE PRESSURE CLASS 350 DUCTILE IRON, WITH RESTRAINED MECHANICAL JOINT IN ACCORDANCE WITH AWWA C110 AND AWWA C153. PIPE FITTING COATING SHALL BE THE SAME AS THE PIPE COATINGS.
11. EXPANSION JOINTS SHELL BE MANUFACTURED OF DUCTILE IRON CONFORMING TO ANSI/AWWI C153/A21.53.
12. EXISTING 6" WATERLINE CARRIES NON-POTABLE WATER. DO NOT CROSS WITH POTABLE WATERLINES.
13. CONTRACTOR TO FIELD VERIFY PIPE MATERIALS AND SIZES PRIOR TO ORDERING NEW PIPE COUPLINGS OR REDUCERS.
14. WHERE NEW PIPE, VALVE, FITTINGS, ETC. INCLUDE THRUST BLOCKS PER STANDARD DETAIL. ALLOW CONCRETE TO PROPERLY CURE BEFORE PLACING LINE IN SERVICE.