

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 2012.

2. THE EXISTING WATER AND SEWER UTILITIES BELONG TO THE CITY OF FAYETTEVILLE PUBLIC WORKS COMMISSION.

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 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 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.

PROJECT SPECIFIC NOTES:

1. PIPE AND FITTINGS FOR PROPOSED WATER LINES 4" AND LARGER SHALL BE DUCTILE IRON, PC 350, UNLESS OTHERWISE NOTED, AND SHALL CONFORM TO ANSI A21.5 (AWWA C151).

2. PIPE AND FITTINGS FOR PROPOSED SEWER LINES 8" AND LARGER SHALL BE DUCTILE IRON, PC 350, UNLESS OTHERWISE NOTED, AND SHALL CONFORM TO ANSI A21.11 (AWWA C111). PIPE AND FITTINGS SHALL BE INTERNALLY COATED WITH CERAMIC EPOXY AT A MINIMUM DRY FILM THICKNESS OF 40 MILS.

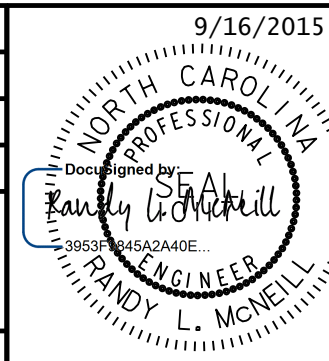
3. WATER LINE VALVES SHALL BE RESILIENT-SEAT GATE VALVES CONFORMING TO ANSI/AWWA C509, RATED FOR 200 PSI MINIMUM WORKING PRESSURE.

4. THE CONTRACTOR SHALL REPLACE ANY DAMAGED SEWER LATERALS AND/OR CLEANOUTS AS DIRECTED BY THE ENGINEER. THE NECESSARY QUANTITIES HAVE BEEN ADDED TO THE CONTRACT TO FACILITATE THIS PROCEDURE.

5. SEE ROADWAY SHEET 2C-1 FOR SPECIAL DETAIL OF CONCRETE JUNCTION BOX WITH SEWER PIPE PASSING THROUGH, FOR STORM PIPING-SEWER LINE CONFLICTS SHOWN ON SHEETS UC-7, UC-8, & PROFILES ON UC-9.

LIST OF PWC STANDARD DRAWINGS

- S.1 - GENERAL NOTES SANITARY SEWER UTILITY
- S.10 - SEWER SERVICE LATERAL
- S.11 - SEWER SERVICE LATERAL NOTES
- S.13 - SEWER BEDDING
- W.1 - WATER UTILITY NOTES
- W.4 - 1" METER BOX DETAILS
- W.6 - GATE VALVE
- W.7 - VALVE BOX
- W.8 - VALVE BOX PROTECTOR RING
- W.9 - TAPPING VALVE
- W.10 - DUCTILE IRON TAPPING SLEEVE
- W.11 - STAINLESS STEEL TAPPING SLEEVE
- W.12 - FIRE HYDRANT ADDITIONAL GENERAL NOTES
- W.13 - FIRE HYDRANT AND VALVE INSTALLATION
- W.17 - CONCRETE THRUST BLOCK DETAIL
- W.18 - ALTERNATE RESTRAINT DETAIL (D.I. PIPE ONLY)
- W.19 - WATER MAIN BEDDING DETAIL
- W.22 - WATER MAIN KILL-OUT
- W.24 - 1" COPPER WATER SERVICE DETAIL
- W.26 - PIPE RELOCATION DETAIL

PROJECT REFERENCE NO. W-5519	SHEET NO. UC-3
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
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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