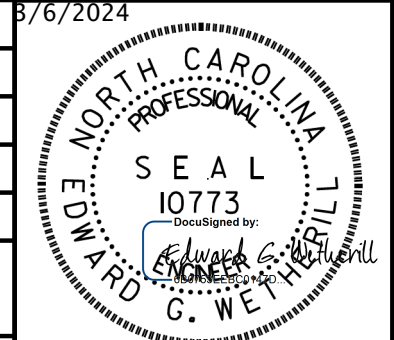


8/17/99

# UTILITY CONSTRUCTION

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - SURVEY/SUE - UTILITIES - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. HB-0002	SHEET NO. UC-3
DESIGNED BY: PKP	
DRAWN BY: TWR	
CHECKED BY: PKP	
APPROVED BY: SLK	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
<b>DOCUMENT NOT CONSIDERED FINAL                  UNLESS ALL SIGNATURES COMPLETED</b>	

## UTILITY CONSTRUCTION

### GENERAL NOTES:

1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATIONS "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2024.
2. THE EXISTING UTILITIES BELONG TO TOWN OF CANTON. CONTACT MICHAEL GANTT, TOWN OF CANTON WATER AND SEWER DEPARTMENT HEAD, AT 828-648-2363 OR NICK SHEUER, TOWN MANAGER, AT 828-648-2363.
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. 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.
10. WATER MAINS SHALL BE LAID AT LEAST 10 FEET LATERALLY FROM EXISTING OR PROPOSED SEWER MAINS.

### PROJECT SPECIFIC NOTES:

1. PROPOSED WATER LINES (WL-1, WL-2, & WL-5) SHALL BE 8" SDR 21 PVC, INSTALLED BY OPEN CUT METHOD.
2. PROPOSED WATER LINE (WL-3) STA. 10+00± TO 12+50± SHALL BE 8" SDR 21 PVC, INSTALLED BY OPEN CUT METHOD, AND FROM WL-3 STA. 12+50± TO STA. 15+22± SHALL BE INSTALLED BY BORE AND JACK METHOD WITHIN 16" STEEL ENCASMENT PIPE, AND FROM WL-3 STA. 15+22± TO STA. 15+49± SHALL BE 8" SDR 21 PVC, INSTALLED BY OPEN CUT METHOD.
3. PROPOSED WATER LINE (WL-4) STA. 10+00± TO 10+37± SHALL BE 8" SDR 21 PVC, INSTALLED BY OPEN CUT METHOD, AND FROM WL-4 STA. 10+37± TO 11+72± SHALL BE 8" FUSIBLE PVC C900, AND FROM WL-4 STA. 11+72± TO 12+09± SHALL BE 8" SDR 21 PVC, INSTALLED BY OPEN CUT METHOD.
4. PROPOSED SEWER LINES (SS-1, SS-2, SS-3, AND SS-4) SHALL BE 8" SDR 21 PVC, INSTALLED BY OPEN CUT METHOD.
5. PROPOSED SEWER LINE (SS-5) STA. 10+00± TO 10+34± SHALL BE 8" SDR 21 PVC, INSTALLED BY OPEN CUT METHOD, AND FROM SS-5 STA. 10+34± TO 12+44± SHALL BE 8" SDR 21 PVC, INSTALLED BY BORE AND JACK METHOD, AND FROM SS-5 STA. 12+44± TO 13+82± SHALL BE 8" SDR 21 PVC, INSTALLED BY OPEN CUT METHOD.
6. EXISTING SSMH-2, PROPOSED SSMH-3, PROPOSED SSMH-7, AND PROPOSED SSMH-9 SHALL BE RAISED TO AN ELEVATION OF 2' GREATER THAN THE 100-YEAR FLOOD ELEVATION. SEE UC-5, UC-7 AND UC-8 FOR MANHOLE ELEVATIONS.

### SEWER INSTALLATION NOTES

1. CONTRACTOR SHALL FULLY INSTALL, PRESSURE & LEAKAGE TEST NEW SEWER MAIN PRIOR TO CONNECTION TO EXISTING SYSTEM.
2. ONTRACTOR SHALL PERFORM THE CONNECTION DURING OFF PEAK HOURS WITH A MAXIMUM SHUT DOWN TIME OF FIVE HOURS. (12 PM MIDNIGHT TO 5 AM)
3. ANY TEST PERFORMED WITHOUT NOTIFICATION TO TOWN SHALL BE PERFORMED AT THE CONTRACTOR'S RISK. TESTING SHALL BE PERFORMED IN THE PRESENCE OF TOWN OF CANTON PERSONNEL. CONTACT MR. MICHAEL GANTT AT 828-648-2363 OR MR. NICK SHEUER AT 828-648-2363.
4. NEW SEWER MAIN SHALL NOT BE CONNECTED TO EXISTING MAIN WITHOUT PRIOR APPROVAL AND COORDINATION WITH TOWN OF CANTON.
5. FOR NEW SEWER MAIN CONNECTIONS, USE GRIP RING PIPE RESTRAINER AS REQUIRED.

### WATER INSTALLATION NOTES

1. CONTRACTOR SHALL FULLY INSTALL, PRESSURE & LEAKAGE TEST, AND CHLORINATE NEW WATER MAIN PRIOR TO CONNECTION TO EXISTING SYSTEM.
2. CONTRACTOR SHALL PERFORM THE CONNECTION DURING OFF PEAK HOURS WITH A MAXIMUM SHUT DOWN TIME OF FIVE HOURS. (12 PM MIDNIGHT TO 5 AM).
3. ANY WORK OR TEST PERFORMED WITHOUT NOTIFICATION AND CONTACT WITH TOWN OF CANTON FIELD INSPECTORS SHALL BE PERFORMED AT THE CONTRACTOR'S RISK. TESTING SHALL BE PERFORMED IN THE PRESENCE OF TOWN OF CANTON PERSONNEL.
4. OPERATION OF EXISTING GATE VALVES SHALL BE DONE BY TOWN OF CANTON OPERATIONS STAFF.
5. TIE NEW WATER MAIN INTO EXISTING. INSTALL THRUST BLOCKS AND RODDING AS REQUIRED.
6. NEW WATER MAIN SHALL NOT BE CONNECTED TO EXISTING MAIN WITHOUT PRIOR APPROVAL AND COORDINATION WITH TOWN OF CANTON.
7. NEW WATER MAIN CROSSING UNDER I-40 SHALL HAVE UTILITY MARKER POST PLACED AT CENTERLINE OF PIPE ON NORTH SIDE OF FREEDOM DRIVE AND SOUTH SIDE OF I-40.

REVISIONS

2/13/2024  
 15:00:02 ut\_UC\_notes-details.dgn  
 USER: jbraves