

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 WATER AND SEWER FACILITIES BELONG TO CHARLOTTE WATER.
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.

PROJECT SPECIFIC NOTES:

1. CONTRACTOR SHALL CONNECT ALL WATER LINES AND SERVICE CONNECTIONS USING NECESSARY FITTINGS.
2. CONTRACTOR IS REQUIRED TO CONTACT BILL DEAL, PE, OF CLTWATER, AT (980)722-0786 AT LEAST 4 WEEKS PRIOR TO ANY WATER AND SEWER CONSTRUCTION.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING THE THICKNESS OF THE EXISTING 64" STEEL WATER LINE BEFORE ORDERING THE NEW 64" WATER LINE. THE METHOD USED TO DETERMINE THE THICKNESS OF THE EXISTING 64" STEEL WATER LINE WILL NEED TO BE REVIEWED AND APPROVED BY CHARLOTTE WATER .
4. THE SPIRAL WELDED STEEL WATER PIPE SHALL BE IN ACCORDANCE WITH AWWA C200, CLASS 150. THE INTERIOR CEMENT MORTAR LINING AND SEAL COAT SHALL BE IN ACCORDANCE WITH AWWA C205. THE EXTERIOR COAL TAR PROTECTIVE COATING SHALL BE IN ACCORDANCE WITH AWWA C203.

**SENSITIVE MATERIALS
DO NOT DUPLICATE**



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

PROJECT REFERENCE NO. P-5705A	SHEET NO. UC-3
DESIGNED BY: CDB	
DRAWN BY: JKC	
CHECKED BY: CDB	
APPROVED BY: CLS	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
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5. THE STEEL WATER PIPE AND FITTING JOINTS SHALL BE LAP WELDED IN ACCORDANCE WITH AWWA C200 AND AS SHOWN IN CHAPTER 8 OF AWWA M11. WELDERS SHALL MAINTAIN CURRENT QUALIFICATIONS UNDER THE PROVISIONS OF AWS B2.1 OR ASME SECTION IX.
6. CHARLOTTE WATER WILL HAVE AN INSPECTOR ON SITE DAILY.
7. PRIOR TO WATER AND/OR SEWER CONSTRUCTION, THE CONTRACTOR MUST SUBMIT TO THE ENGINEER AND BILL DEAL, PE THE PROPOSED UTILITY MATERIAL SUBMITTALS AND SHOP DRAWINGS, AS APPLICABLE FOR CHARLOTTE WATER REVIEW AND OBTAIN CHARLOTTE WATER APPROVAL OF UTILITY MATERIAL SUBMITTALS AND SHOP DRAWINGS.
8. THE CONTRACTOR SHALL KEEP THE APPOINTED REPRESENTATIVE FROM CHARLOTTE WATER INFORMED OF THE WORK PROGRESS AND PROVIDE OPPORTUNITY FOR INSPECTION OF CONSTRUCTION AND TESTING.
9. THE EXISTING 64" WATER LINE CAN ONLY BE SHUT DOWN BETWEEN NOVEMBER 30 TO FEBRUARY 28. THE CONTRACTOR WILL BE ALLOWED 2 WEEKS TO SHUT DOWN THE EXISTING 64" WATER LINE TO MAKE THE TIE-INS FOR THE NEW WATER LINE.
10. THE CONTRACTOR SHALL MAINTAIN WATER AND SEWER SERVICE TO EXISTING CUSTOMERS DURING CONSTRUCTION, MINIMIZE THE DURATION OF ANY SERVICE DISRUPTION, AND NOTIFY THE CHARLOTTE WATER REPRESENTATIVE AT LEAST 48 HOURS IN ADVANCE OF ANY SCHEDULED SERVICE DISRUPTION.
11. PROVIDE MATERIALS FOR THE PROPOSED WATER AND SEWER UTILITIES CONSTRUCTION MEETING THE APPLICABLE REQUIREMENTS (I.E. MATERIAL SPECIFICATIONS, STANDARD DETAILS, TESTING, POLICIES, ETC.) OF CHARLOTTE WATER'S STANDARD SPECIFICATIONS AND APPLICABLE CURRENT CHARLOTTE WATER STANDARD DETAILS AS OF DATE OF ADVERTISEMENT. CHARLOTTE WATER SPECIFICATIONS AND DETAILS CAN BE OBTAINED FROM CHARLOTTE WATER AT [HTTP://CHARLOTTENC.GOV/WATER/PAGES /DESIGNMANUAL.ASPX](http://charlottenc.gov/water/pages/designmanual.aspx).

12. THE CONTRACTOR SHALL PROVIDE THE ANODE TEST STATION AND CATHODIC PROTECTION DESIGN PLANS AND SPECIFICATIONS SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA. THE PLANS SHALL BE REVIEWED AND APPROVED BY NCDOT AND CHARLOTTE WATER PRIOR TO THE ANODE STATION AND CATHODIC PROTECTION BEING INSTALLED.
13. THE STEEL WATER PIPE FITTINGS SHALL BE IN ACCORDANCE WITH AWWA C200. THE INTERIOR CEMENT MORTAR LINING AND SEAL COAT SHALL BE IN ACCORDANCE WITH AWWA C205. THE EXTERIOR COAL TAR PROTECTIVE COATING SHALL BE IN ACCORDANCE WITH AWWA C203.

MANUFACTURES AND CONTRACTOR'S QUALIFICATIONS:

1. ALL STEEL WATER PIPE, MANWAYS, AND FITTINGS SHALL BE FURNISHED BY MANUFACTURERS WHO ARE EXPERIENCED, REPUTABLE, AND QUALIFIED IN MANUFACTURE OF THE MATERIALS TO BE FURNISHED. THE STEEL WATER PIPE, MANWAYS AND FITTINGS SHALL BE DESIGNED, CONSTRUCTED, AND INSTALLED IN ACCORDANCE WITH THE BEST PRACTICES AND METHODS AND SHALL COMPLY WITH THE SPECIFICATIONS AS APPLICABLE.
2. TO DEMONSTRATE QUALIFICATIONS TO PERFORM THE WORK, THE BIDDERS SHALL SUBMIT RESUMES, PROJECT LISTS, AND OTHER SUPPORTING DOCUMENTS DEMONSTRATING THEIR EXPERIENCE WITH LARGE STEEL WATER LINE INSTALLATIONS.
3. CHARLOTTE WATER RESERVES THE RIGHT TO REQUEST AND OBTAIN ADDITIONAL INFORMATION FROM THE BIDDER OR THEIR UTILITY SUBCONTRACTOR TO SEEK REFERENCES OF BIDDER'S PROJECT EXPERIENCE.
4. THE CONTRACTOR THAT WILL PERFORM THE INSTALLATION OF THE PROPOSED 64" STEEL WATER MAIN SHALL PROVIDE EVIDENCE DEMONSTRATING SUCCESSFUL COMPLETION IN THE LAST (10) YEARS OF CONSTRUCTION PROJECTS OF STEEL WATER LINES 48" AND LARGER. THE CONTRACTOR WHO PERFORMS THE WORK MUST BE LICENSED IN NORTH CAROLINA.

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