

5/14/99

REVISIONS

1/23/2024

NCDOT 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 2024.
2. THE EXISTING UTILITIES BELONG TO CITY OF RALEIGH.
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.

UTILITY CONSTRUCTION

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. ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT ITS EXPENSE, UNLESS PREVIOUSLY OBTAINED BY THE OWNER AND PROVIDED AT THE PRECONSTRUCTION CONFERENCE.
2. DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR WRITTEN CONSENT OF THE UTILITY OWNER OR THEIR REPRESENTATIVE OR THE ENGINEER MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SHOULD ANY FIELD CONDITIONS BE ENCOUNTERED THAT VARY FROM THE INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE UTILITY OWNER PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL HOLD AN ON-SITE PRECONSTRUCTION MEETING WITH THE OWNER AND NCDOT AND SHALL DETAIL ITS PROPOSED INSTALLATION, CLEANING, TESTING, AND CONNECTION PLAN. OWNER WILL PROVIDE CONTACT INFORMATION FOR INSPECTIONS. PRECONSTRUCTION MEETING SHALL BE SCHEDULED TO TAKE PLACE AT LEAST 7 DAYS PRIOR TO COMMENCING UTILITY CONSTRUCTION WORK.
5. CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND TENANTS AT LEAST 7 DAYS PRIOR TO CONSTRUCTION THAT UTILITY CONSTRUCTION ACTIVITY WILL TAKE PLACE IN THEIR AREA.
6. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS FOR ALL UTILITY CONSTRUCTION PRIOR TO PLACING THE PIPELINE(S) IN SERVICE (SEE UC SPECIAL PROVISIONS).
7. PIPE ALIGNMENT SHOWN IS BASED ON STANDARD DUCTILE IRON MECHANICAL JOINT FITTINGS. JOINT DEFLECTIONS SHALL NOT EXCEED 75 PERCENT OF MANUFACTURER'S RECOMMENDED DEFLECTION. CONTRACTOR SHALL ADJUST PIPELINE ALIGNMENT AND DEFLECT JOINTS AS NECESSARY TO ACCOMMODATE THE STANDARD BENDS SHOWN.
8. MINIMUM PIPE COVER FOR DISTRIBUTION WATER MAINS SHALL BE 3 FEET, UNLESS GREATER DEPTH IS SHOWN ON THE PROFILE DRAWINGS.
9. ALL PRESSURIZED FITTINGS SHALL BE DUCTILE IRON RESTRAINED MECHANICAL JOINT WITH PRESSURE RATING EQUAL TO OR HIGHER THAN HOST PIPE, UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
10. ALL MECHANICAL JOINTS SHALL BE FITTED WITH WEDGE-TYPE MECHANICAL RESTRAINT ACCESSORY KITS DESIGNED FOR THE INTENDED USE AND MATERIAL, AS APPROVED BY UTILITY OWNER.

Kimley»Horn

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RALEIGH, N.C. 27601

PROJECT REFERENCE NO.	SHEET NO.
P-5720	UC-3
DESIGNED BY: DGB	
DRAWN BY: DGB	
CHECKED BY: ZGP	
APPROVED BY: NDR	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

UTILITY CONSTRUCTION

11. ALL WORK SHALL CONFORM TO APPLICABLE REQUIREMENTS OF THE CITY OF RALEIGH PUBLIC UTILITIES HANDBOOK, THE UC PLANS, AND THE UC SPECIAL PROVISIONS.
12. ALL PIPE SHALL BE INSTALLED WITH RESTRAINED JOINTS.
13. CONTRACTOR SHALL BE MADE AWARE THAT THE EXISTING 24-INCH WATER TRANSMISSION MAIN IN DURANT ROAD IS IDENTIFIED BY THE CITY OF RALEIGH AS A CRITICAL LINE. ALL MAIN SHUTDOWNS SHALL BE COORDINATED WITH THE CITY OF RALEIGH, SHALL BE RESTRICTED TO NO MORE THAN 24 HOURS, AND SHALL NOT OCCUR DURING PEAK DEMAND SEASON.
14. ALL PROPOSED WATER LINE PIPE AND FITTINGS 12-INCHES AND SMALLER SHALL BE RESTRAINED JOINT PC 350 DUCTILE IRON PIPE. ALL PROPOSED WATER LINE PIPE AND FITTINGS 16-INCHES AND GREATER SHALL BE RESTRAINED JOINT PC 250 DUCTILE IRON PIPE.
15. A THRUST RESTRAINT DESIGN PRESSURE OF 350 PSI SHALL BE USED.
16. ALL VALVES 16" AND LARGER SHALL BE BUTTERFLY VALVES IN A MANHOLE PER DETAIL W-16, AND INCLUDE THRUST COLLARS PER DETAIL W-8. THRUST COLLARS SHALL BE CONSIDERED INCIDENTAL TO VALVE INSTALLATION. VALVE MANHOLES WILL BE PAID FOR USING CORRESPONDING UTILITY MANHOLE PAY ITEMS.

CSX GENERAL NOTES:

1. ALL WORK WITHIN CSX RIGHTS-OF-WAY SHALL COMPLY WITH CSX DESIGN & CONSTRUCTION STANDARD SPECIFICATIONS - PIPELINE OCCUPANCIES (2018) AND FACILITY ENCROACHMENT AGREEMENT NO. CSX880711.
2. CONTRACTOR SHALL PREVENT AUGER FROM LEADING PIPE DURING BORE AND JACK OPERATIONS.
3. JACK AND BORE CASING PIPE ENDS SHALL BE SEALED ACCORDING TO CSXT SPECIFICATIONS.