

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 2018 AND JOHNSTON COUNTY AND TOWN OF CLAYTON STANDARD SPECIFICATIONS AND DETAILS.
2. THE EXISTING UTILITIES ARE OWNED BY AND OPERATED BY JOHNSTON COUNTY AND TOWN OF CLAYTON.
3. ALL WATER LINES ARE 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 ARE 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 OWNERS OWN 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. UTILITY SERVICE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. SERVICE INTERRUPTIONS SHALL ONLY BE ALLOWED WITH ADVANCES (72 HOUR) WRITTEN NOTICE FOR BOTH JOHNSTON COUNTY AND TOWN OF CLAYTON, FOR PURPOSES OF TIE-INS OR SERVICE SWITCH-OVERS. 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. PROPOSED WATER LINES 4" AND GREATER DIAMETER SHALL BE PRESSURE CLASS 350 DUCTILE IRON (RESTRAINED JOINT WHERE SHOWN). PROPOSED WATER LINES LESS THAN 4" DIAMETER SHALL BE SDR-21PVC. PROPOSED FORCE MAINS SHALL BE PRESSURE CLASS 350 DUCTILE IRON WITH CERAMIC EPOXY LINER (RESTRAINED JOINT WHERE SHOWN). PROPOSED SANITARY GRAVITY SEWER SHALL BE THICKNESS CLASS 50 DUCTILE IRON WITH CERAMIC EPOXY LINER.
2. TRACER WIRE, WARNING TAPES, AND UTILITY MARKERS SHALL BE INSTALLED WITH ALL PLASTIC PIPE UTILITIES. WIRE, TAPE AND PIPE SHALL BE COLOR CODED ACCORDING TO UTILITY (BLUE FOR WATER, GREEN FOR SEWER).
3. EXISTING CONDITIONS SURVEY AND PROPOSED HIGHWAY PLANS PROVIDED TO THE WOOTEN COMPANY BY NCDOT.
4. THRUST COLLARS ON EXISTING UTILITIES ARE TO BE INSTALLED AND CURED PRIOR TO CONNECTION OF NEW UTILITIES TO EXISTING UTILITIES.
5. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE TEMPORARY SHUTDOWNS WITH JOHNSTON COUNTY AND TOWN OF CLAYTON. CONTRACTOR IS RESPONSIBLE FOR HAVING ADEQUATE STAFF AND MATERIALS TO COMPLETE THE CUT-IN CONNECTION DURING THE SPECIFIED SHUTDOWN.

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DRAWN BY: TK		
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UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		<small>Document Not Considered Final Unless All Signatures Completed UTILITY CONSTRUCTION PLANS ONLY</small>

WATER LINE CONSTRUCTION SHOWN ON THIS SHEET

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JOHNSTON COUNTY SEQUENCING NOTES:

1. LAY NEW LINE TO TIE-IN POINTS AND POUR THRUST COLLARS ON EXISTING LINES.
2. INSTALL JUMPER AT ONE END OF TIE-IN POINT TO FILL/TEST/FLUSH LINE.
3. PRESSURE TEST AND CHLORINE NEW LINE.
4. SUBMIT PASSING BAC-T SAMPLE AND ENGINEER'S CERTIFICATION.
5. MAKE TIE-IN AT GRANT STREET.
6. SWITCH WATER SERVICES OVER TO THE NEW LINE.
7. MAKE 8" TIE-INS.
8. ABANDON OLD LINE.