

UTILITY CONSTRUCTION


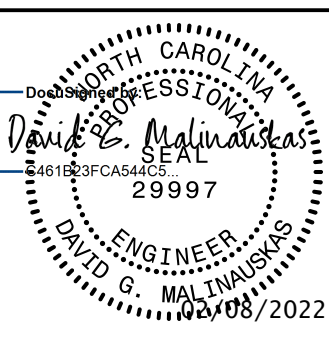
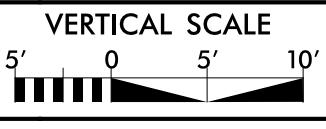
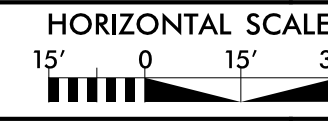
GENERAL NOTES:

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.
2. THE EXISTING UTILITIES BELONG TO GREENVILLE UTILITIES COMMISSION.
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 WITHOUT ENDANGERING THE UTILITY SERVICE AND IN ACCORDANCE WITH UTILITY OWNER'S REQUIREMENTS. ALL EXISTING WATER MAINS MUST REMAIN ACTIVE AT ALL TIMES DURING CONSTRUCTION. EXISTING WATER MAINS SHALL NOT BE TAKEN OUT OF SERVICE UNTIL NEW MAINS HAVE BEEN TESTED, DISINFECTED AND CERTIFIED. ALL SEWER MAINS AND SERVICES MUST REMAIN ACTIVE DURING CONSTRUCTION. CONTRACTOR SHALL BYPASS PUMP OR UTILIZE OTHER MEANS TO ENSURE NO SANITARY SEWER OVERFLOWS OCCUR.
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 LINE SHALL BE D.I.R.J. (DUCTILE IRON RESTRAINED JOINT) PIPE WRAPPED IN POLYETHYLENE. PIPE SHALL BE MINIMUM CLASS 250.
2. NEW WATER MAIN AND APPURTENANCES MUST BE CONSTRUCTED, TESTED, APPROVED FOR SERVICE PRIOR TO EXISTING WATER MAIN BEING TAKEN OUT OF SERVICE.
3. NEW WATER MAIN MAY BE CONSTRUCTED IN PHASES TO FACILITATE ROADWAY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION OF A PHASING PLAN CLEARLY IDENTIFYING EACH PHASE AND SUBMIT FOR NCDOT AND GUC APPROVAL PRIOR TO BEGINNING CONSTRUCTION. EACH COMPLETED PHASE MUST RECEIVE NCDEQ FINAL APPROVAL PRIOR TO BEING PLACED INTO SERVICE.
4. ALL WATER AND SANITARY SEWER CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH REQUIREMENTS OF THE GREENVILLE UTILITIES COMMISSION'S MANUAL FOR THE DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER SYSTEM EXTENSIONS.
5. ALL SANITARY SEWER SERVICE CONNECTIONS ARE APPROXIMATE LOCATED BY GUC. TO BE FIELD VERIFIED.
6. RETURN ALL OLD FIRE HYDRANTS TO GREENVILLE UTILITIES.
7. FOR ALL 12" AND LARGER VALVES USE HORIZONTAL WATER VALVES AND BOX VALVES.
8. FKM ELASTOMER PETROLEUM RESISTANT GASKETS MUST BE INSTALLED WITHIN AND ADJACENT TO ALL AREAS IDENTIFIED AS CONTAMINATED SOILS AND AS INDICATED ON THE DRAWINGS.
9. ALL WATER AND SEWER MAINS MUST BE WRAPPED WITH POLYETHYLENE IN ACCORDANCE WITH AWWA C105.
10. PRIOR TO CONSTRUCTION, CONTRACTOR MUST SUBMIT A COPY OF RAILROAD PROTECTIVE LIABILITY INSURANCE TO NCDOT AND ALAN BRIDGERS WITH CAROLINA COASTAL RAILWAY (252-237-8259).
11. ALL DIP SEWER MAINS SHALL HAVE AN INTERIOR CEMENT MORTAR LINING IN ACCORDANCE WITH ANSI A21.4 (AND GUC STANDARDS), THE EXTERIOR SHALL HAVE ONE (1) MIL BITUMINOUS COATING IN ACCORDANCE WITH ANSI A21.51.
12. WHEN CONNECTING SANITARY SEWER MAINS THAT ARE DIFFERENT MATERIALS, A FERNCO TRANSITION FITTING WITH SHEAR BANDS/RINGS SHALL BE USED.
13. REMOVAL OF ALL ASBESTOS CEMENT (AC) PIPE SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. CONTACT JEFF DELLINGER (919-707-5950) WITH NCDHHS FOR FURTHER INFORMATION.
14. REFER TO ROADWAY PLANS FOR PHASING OF PROPOSED UTILITIES IN CONJUNCTION WITH ROADWAY CONSTRUCTION.

PREPARED IN THE OFFICE OF:  THE WOOTEN COMPANY <small>120 North Roper Avenue Raleigh, NC 27603-1423 919.878.0101 Fax 919.878.2009 License Number: F-0105</small>	PROJECT REFERENCE NO.	SHEET NO.
	U-5606	UC-3
DESIGNED BY: JRG	DRAWN BY: TK & CB	
CHECKED BY: DGM	APPROVED BY: DGM	
REVISID:		
VERTICAL SCALE 		HORIZONTAL SCALE 
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		Document Not Considered Final Unless All Signatures Completed UTILITY CONSTRUCTION PLANS ONLY

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