
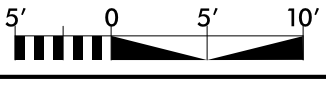
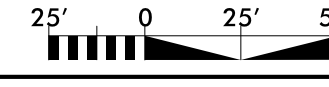


UTILITY CONSTRUCTION

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| PREPARED IN THE OFFICE OF:  THE WOOTEN COMPANY ENGINEERING PLANNING ARCHITECTURE 120 North Spide Avenue Raleigh, NC 27603-1423 919.878.0511 fax 919.878.5198 License Number: F-0115 | PROJECT REFERENCE NO. | SHEET NO. |
| | U-3109A | UC-3 |
| VERTICAL SCALE  | HORIZONTAL SCALE  | DESIGNED BY: JRG |
| | | DRAWN BY: TK |
| | | CHECKED BY: JRG |
| | | APPROVED BY: MDS |
| | | REVISED: |
| | | NORTH CAROLINA DEPARTMENT OF TRANSPORTATION |
| SEWER LINE CONSTRUCTION SHOWN ON THIS SHEET | | UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 |



UTILITY CONSTRUCTION

NCDOT GENERAL NOTES:

- THE EXISTING UTILITIES BELONG TO ALAMANCE-BURLINGTON SCHOOL SYSTEM.
- THE PROPOSED UTILITY CONSTRUCTION IN ALAMANCE COUNTY SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2012.
- ALL FORCE MAINS TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES, 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 AND NATURAL RESOURCES, DIVISION OF WATER RESOURCES, WATER QUALITY SECTION. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.
- THE UTILITY OWNER OWNS THE EXISTING UTILITY FACILITIES AND WILL OWN THE NEW UTILITY FACILITIES AFTER ACCEPTANCE BY THE DEPARTMENT AND THE UTILITY OWNER. 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.
- 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 A MINIMUM OF ONE WEEK PRIOR TO SERVICE INTERRUPTIONS AND TESTING. KEEP UTILITY OWNERS' REPRESENTATIVES INFORMED OF WORK PROGRESS AND PROVIDE OPPROTUNITY FOR INSPECTION OF CONSTRUCTION AND TESTING.
- 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.
- 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.
- 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.
- 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.

NCDOT PROJECT SPECIFIC NOTES:

- PROPOSED SEWER FORCE MAIN SHALL BE PVC C900 DR-18, RJDI CLASS 350 PROTECTO 401 LINED, AND FUSIBLE PVC C900 (FOR HDD) AS INDICATED ON THE CONSTRUCTION DRAWINGS.
- CONTRACTOR'S ATTENTION IS DIRECTED TO SECTIONS 102, 107, AND 1550 OF THE STANDARD SPECIFICATIONS CONCERNING TRENCHLESS INSTALLATION. IT IS CONTRACTOR'S RESPONSIBILITY TO HAVE BORE DESIGNED AND SEALED BY A LICENSED NORTH CAROLINA PROFESSIONAL ENGINEER. NO DAMAGE IS ALLOWED TO RIVER, WETLANDS, OR BUFFER ZONES.
- TRACER WIRE AND WARNING TAPE 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) AND SHALL BE IN ACCORDANCE WITH NCDOT SPECIFICATIONS.
- EXISTING CONDITIONS SURVEY AND PROPOSED ROADWAY PLANS PROVIDED TO THE WOOTEN COMPANY BY NCDOT, MAY 23, 2016.
- ALL DUCTILE IRON PIPE USED FOR SEWER FORCE MAIN INSTALLATIONS SHALL BE LINED WITH PROTECTO 401.
- FUSED PVC PIPE LENGTHS THAT HAVE BEEN INSTALLED IN THE TRENCH SHALL NOT BE BENT OR JOCKEYED INTO POSITION WITH HEAVY EQUIPMENT IN ORDER TO CONNECT TO FITTINGS. ALL ALIGNMENTS CORRECTIONS SHALL TAKE PLACE IN THE DIP FITTINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DISPOSAL OF ALL SEWAGE IN EXISTING UTILITY LINES WHEN MAKING CONNECTIONS.
- CONTRACTOR MUST UTILIZE MULTIPLE WORK CREWS IN ORDER TO MAKE CONNECTIONS TO EXISTING SEWER SYSTEM TO MINIMIZE SERVICE INTERRUPTION TIME.
- CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS PRIOR TO MAKING CONNECTIONS, GIVING AT LEAST 24 HOURS NOTICE.
- ALL TIE-RODS AND OTHER ACCESSORIES SHALL BE STAINLESS STEEL MATERIAL.