

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 TOWN OF LINDEN. HARNETT REGIONAL WATER OPERATES AND MAINTAINS THE WATER SYSTEM FOR THE TOWN OF LINDEN.
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. A PRECONSTRUCTION MEETING WILL BE HELD. CONTRACTOR SHALL ENSURE THAT HARNETT REGIONAL WATER IS INVITED TO THIS MEETING.
6. 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.

7. 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.
8. 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.
9. 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.
10. 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'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.
2. THE HDPE PIPE, INSTALLED BY DIRECTIONAL DRILL, SHALL BE FILLED WITH WATER AND NOT BE CONNECTED TO ANY OTHER PIPE OR FITTINGS FOR SEVEN DAYS FROM THE TIME OF INSTALLATION.
3. CONTRACTOR SHALL SUBMIT FIELD REPORTS TO HARNETT REGIONAL WATER AFTER EACH INSPECTION IS MADE.
4. ANY AND ALL FIELD CHANGE ORDERS DURING CONSTRUCTION SHALL BE PROPERLY DOCUMENTED IN AS- BUILT DRAWINGS. AS-BUILT DRAWINGS SHALL INCLUDE ALL LOT NUMBERS, WATER VALVES, VALVE MARKERS, WATER METER SETTERS, AND FIRE HYDRANTS AS INSTALLED BY THE CONTRACTOR.
5. ALL PROPOSED OPEN CUT WATER PIPING SHALL BE CLASS 50 DIP. ALL PROPOSED HORIZONTAL DIRECTIONAL DRILLING PIPING SHALL BE DR 9 HDPE.
6. ALL PIPE JOINTS AT FITTINGS AND VALVES SHALL BE RESTRAINED WITH RESTRAINED JOINTS AND THRUST BLOCKING. SEE DETAIL W-7 ON SHEET UC-3B FOR THRUST BLOCKING.
7. CONTRACTOR SHALL ENSURE THAT WATER LINES SHUTDOWN PERIOD IS APPROVED BY HARNETT REGIONAL WATER.
8. PIPING FOR HORIZONTAL DIRECTIONAL DRILLING SHALL BE SIZED SUCH THAT THE INTERNAL DIAMETER IS GREATER THAN OR EQUAL TO 12".
9. FINAL CONNECTIONS TO THE NEW MAIN SHALL BE IN ACCORDANCE WITH THE HARNETT REGIONAL WATER STANDARDS AND AWWA STANDARD C651-05 FOR FINAL CONNECTIONS.
10. CONTRACTOR SHALL COORDINATE WITH HARNETT REGIONAL WATER TO CLOSE ISOLATION VALVES DURING THE SHUTDOWN PERIOD.

PROJECT REFERENCE NO. B-5703	SHEET NO. UC-3
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UTILITY CONSTRUCTION
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

11. CONTRACTOR SHALL REMOVE EXISTING 12" WATER LINE, AS NECESSARY TO CONNECT PROPOSED 12" WATER LINE.
12. ALL PROPOSED HDPE OR FUSIBLE PVC PIPING JOINTS SHALL BE RESTRAINED BY BUTT FUSION.
13. ALL PROPOSED DUCTILE IRON PIPING JOINTS SHALL BE RESTRAINED.
14. ALL PROPOSED PIPING SHALL BE INSTALLED BY OPEN CUT METHOD OR HORIZONTAL DIRECTIONAL DRILLING AS SHOWN ON THE PLANS.