

5/14/99
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PROJECT REFERENCE NO.	SHEET NO.
R-2561CA	UC-3
DESIGNED BY: BJPO	
DRAWN BY: WAP	
CHECKED BY:	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

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 THE TOWN OF SANDYFIELD. CONTACT: GARRY KEATON
PHONE: 910-655-9878
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.
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.
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.

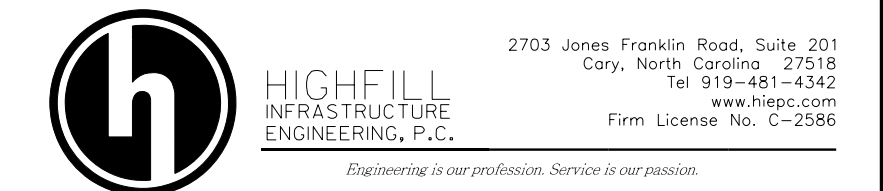
PROJECT SPECIFIC NOTES:

1. PROPOSED WATER LINE SHALL BE C900 DR18 PVC OR C150 PC 350 DIP.
2. RELATION OF WATER MAINS TO SEWERS LAY WATER MAINS AT LEAST 10 FEET Laterally FROM EXISTING OR PROPOSED SEWERS OR STORM DRAINS. IF LOCAL CONDITIONS OR BARRIERS PREVENT A 10 FOOT SEPARATION, LAY THE WATER MAIN WITH AT LEAST 18 INCHES VERTICAL SEPARATION ABOVE THE TOP OF THE SEWER OR STORM DRAIN PIPE EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON A BENCH OF UNDISTURBED EARTH.

WHEN A PROPOSED WATER MAIN CROSSES OVER A PROPOSED OR EXISTING SEWER OR STORM DRAIN PIPE, LAY THE WATER MAIN WITH AT LEAST 18 INCHES VERTICAL SEPARATION ABOVE THE TOP OF THE SEWER OR STORM DRAIN PIPE. IF LOCAL CONDITIONS OR BARRIERS PREVENT AN 18 INCH VERTICAL SEPARATION, CONSTRUCT BOTH THE WATER MAIN AND THE SEWER FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT CROSSING WITH FERROUS PIPE HAVING WATER MAIN QUALITY JOINTS.

WHEN A PROPOSED WATER MAIN CROSSES UNDER A PROPOSED OR EXISTING SEWER, CONSTRUCT BOTH THE WATER MAIN AND THE SEWER OF FERROUS MATERIALS WITH JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING. CENTER THE SECTION OF WATER PIPE AT THE POINT OF CROSSING.
3. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS, SPECIFICATIONS AND STANDRAD DETAILS/DRAWINGS OF THE UTILITY OWNERS, IN ADDITION TO THE NCDOT "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2018. IN THE CASE OF A DISCREPANCY, ABIDE BY THE MORE STRINGENT OF THE TWO REQUIREMENTS.

UTILITY CONSTRUCTION
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



4. THE CONTRACTOR SHALL COORDINATE ISOLATION OF THE EXISTING WATER MAIN FOR TIE-INS WITH UTILITY OWNER. CALL UTILITY OWNER. IF TEMPORARY SHUT DOWN OF UTILITY IS REQUIRED THE CONTRACTOR WILL COORDINATE THIS SHUT DOWN WITH UTILITY OWNERS IN A MANNER THAT IS MOST CONVENIENT FOR CUSTOMERS AND UTILITY OWNER.
5. INSTALL WATER LINES WITH MINIMUM OF 36 INCHES OF COVER TO FINISHED GRADE UNLESS OTHERWISE DIRECTED OR APPROVED.
6. THE CONTRACTOR SHALL INSTALL CONCRETE THRUST BLOCKING AT ALL WATER LINE FITTINGS AND TEES, PER DETAILS 33-33 AND 33-34 ON SHEET UC-3B.