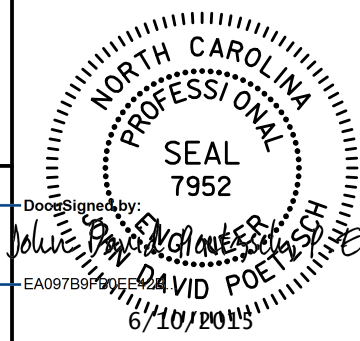


PROJECT REFERENCE NO.	SHEET NO.
U-3338B	UC-3
	

# UTILITY CONSTRUCTION NOTES

## 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 2012.
2. THE EXISTING UTILITIES ARE OWNED BY CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA).
3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES, DIVISION OF ENVIRONMENTAL HEALTH. 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 QUALITY. 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 AT TIMES MOST CONVENIENT TO THE PUBLIC, WITHOUT ENDANGERING THE UTILITY SERVICE, AND IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS. COORDINATE WITH THE NCDOT RESIDENT ENGINEER TO 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.
10. ALL PROPOSED DUCTILE IRON SANITARY SEWER PIPES AND FITTINGS SHALL HAVE INTERIOR SURFACES LINED WITH A CERAMIC EPOXY COATING AS PER CAPE FEAR PUBLIC UTILITY AUTHORITY GRAVITY SANITARY SEWER SPECIFICATION 2.02.
11. ALL PROPOSED STEEL ENCASEMENT PIPES SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY BORING AND JACKING SPECIFICATION 1.04.1.

## PROJECT SPECIFIC NOTES:

1. WATER MAINS OR SEWER FORCE MAINS CROSSING UNDER STORM DRAIN PIPE OR DITCH SHALL HAVE 18" MIN. VERTICAL CLEARANCE OR USE 20 LF JOINT OF D.I. PIPE CENTERED ON STORM DRAIN OR DITCH.
2. ALL SANITARY SEWER SERVICE LATERALS TO BE ABANDONED SHALL BE PLUGGED AT THE EXISTING SEWER MAIN.
3. TERRA COTTA SEWER SERVICE LINES SHALL BE ABANDONED AND A NEW SERVICE SHALL BE INSTALLED FROM THE MAIN TO THE CLEANOUT.
4. COPPER WATER SERVICES MAY BE SPLICED. ALL OTHER WATER SERVICES THAT MUST BE EXTENDED SHALL BE RELAID FROM THE MAIN TO THE RIGHT OF WAY.
5. ALL ABANDONED WATER SERVICES AND HYDRANT LEGS SHALL BE CUT AND CAPPED AT THE MAIN.
6. RISER SECTIONS SHALL BE ADDED TO EXISTING MANHOLES TO BRING THE MANHOLE TO GRADE.
7. CONTRACTOR SHALL PROVIDE SIGNED AND SEALED PLANS FOR SANITARY SEWER "PUMP AROUND" PROCEDURE FOR ALL LOCATIONS WHERE SANITARY SEWER MAINS ARE RELOCATED OR REPLACED.
8. NO JOINT SHALL BE INSTALLED BETWEEN THE MAIN SERVICE TAP AND THE METER STOP.
9. WATER METERS SHALL BE INSTALLED ADJACENT TO THE ROW LINE WHERE EXISTING WATER SERVICE LINES ARE CURRENTLY LOCATED.

## LIST OF CFPUA STANDARD DETAILS

THE FOLLOWING CAPE FEAR PUBLIC UTILITY AUTHORITY STANDARD DETAILS ARE ANTICIPATED TO BE USED ON THIS PROJECT;

- PRECAST CONCRETE OFFSET MANHOLE TYPICAL MANHOLE FLOOR PLAN
- STANDARD SERVICE CONNECTION TO SANITARY SEWER
- DEEP SERVICE LATERAL
- STANDARD SERVICE LATERAL
- SERVICE CONNECTION & CLEAN-OUT
- SINGLE SERVICE CONNECTION
- PIPE CASING SUPPORT DETAIL
- VALVE DETAIL

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