<u>UTILITY CONSTRUCTION</u>

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 2024.
- 2. THE EXISTING WATER AND SEWER
 UTILITIES BELONG TO CHARLOTTE WATER. THE
 CHARLOTTE WATER REPRESENTATIVE IS LOGAN
 HEDRICK. CONTACT LOGAN AT (980)
 253-4390.
- 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 OF 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.

GRAVITY SEWER SEQUENCE OF CONSTRUCTION

- INSTALL TEMPORARY BYPASS PUMPING FROM UPSTREAM MANHOLES TO DOWNSTREAM MANHOLES.
 PLUG EXISTING SANITARY GRAVITY SEWER LINES.
- 3. REMOVE EXISTING RCP SANITARY GRAVITY SEWER AND MANHOLES TO BE ABANDONED AS NECESSARY.
- 4. INSTALL NEW LINER PLATE TUNNEL AND RCP SANITARY GRAVITY SEWER AS INDICATED ON DRAWINGS WITH MANHOLES.
- 5. BACKFILL NEW SANITARY GRAVITY SEWERS.6. INSTALL CIPP LINER.
- 7. TEST NEW SANITARY GRAVITY SEWERS IN ACCORDANCE WITH CLTWATER STANDARDS.
 8. REMOVE TEMPORARY BYPASS PUMPING AND PLACE NEW GRAVITY SEWERS INTO OPERATION AFTER APPROVAL BY CLTWATER.

1. IF THE PROPOSED WATER AND/OR SANITARY SEWER MAIN IS INSTALLED WITHIN 12" IN ANY DIRECTION (VERTICALLY OR HORIZONTALLY) OF A GAS MAIN, THEN THE CONTRACTOR SHALL CALL PIEDMONT NATURAL GAS COMPANY AT 704-525-5585 AND INFORM THEM.

PROJECT SPECIFIC NOTES:

- 2. WATER AND SEWER LINES ARE TO REMAIN ACTIVE DURING CONSTRUCTION. IF THIS IS NOT POSSIBLE, THEN THE CONTRACTOR SHALL FOLLOW THE SPECIAL PROVISIONS REGARDING OUTAGE, TEMPORARY SERVICE, AND BYPASS PUMPING.
- 3. ALL PROPOSED WATER LINES, UNLESS OTHERWISE INDICATED ON PLANS, ARE TO BE RESTRAINED JOINT DUCTILE IRON PIPE PRESSURE CLASS 350. ALL PROPOSED SEWER LINES, UNLESS OTHERWISE INDICATED ON PLANS, ARE TO BE DUCTILE IRON PIPE PRESSURE CLASS 250 WITH PROTECTO 401 LINING. RCP SEWER LINES SHALL BE MINIMUM CLASS IV WITH CIPP LINING.
- 4. CONTRACTOR TO MINIMIZE SHUTDOWN TIME OF 12" WATER LINE. COORDINATE SHUTDOWN WITH CHARLOTTE WATER AND LOCAL FIRE DEPARTMENT.



Stantec Consulting Services In 521 E. Morehead Street Suite 425 Charlotte, NC 28202 Tel. (704) 329-0900 Fax. (704) 329-0905 www.stantec.com License No. F-0672

	PROJECT REFERENCE	NO.	SHEET NO.
•	BP10-R013		UC-3
	DESIGNED BY: XMD	HILLIN	CAROLINA SESSION SEAL
nc.	DRAWN BY: TK		OR SESSION NELL
	CHECKED BY: XMD	111	OLESO 101
	APPROVED BY:	Signed	by: SEAL
	REVISED:	Xiaoli	n ling
	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	7/10/202	DOSA4415 DOSA4415 DOSA469 AOLIN DENGLINI
	UTILITIES ENGINEERING SEC. PHONE: (919)707-6690	07/10/202 UT [L]	TY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED