
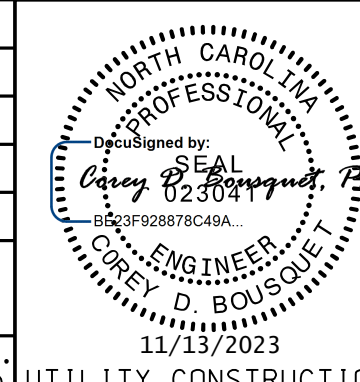


UTILITY CONSTRUCTION



HINDE ENGINEERING
 License No. C-2639
 401 Harrison Oaks Blvd., Suite 220 Cary, NC 27513

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

PROJECT REFERENCE NO.	SHEET NO.
I-2513 AA/AB	UC-3
DESIGNED BY: JKC	
DRAWN BY:	
CHECKED BY: CLS	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151
UTILITY CONSTRUCTION PLANS ONLY	

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 UTILITIES BELONG TO CITY OF ASHEVILLE AND METROPOLITAN SEWERAGE DISTRICT.

CONTACT PERSON FOR THE CITY OF ASHEVILLE IS:

CHAD PIERCE, PE
 ENGINEERING SERVICES MANAGER
 PH: 828-646-1281

CONTACT PERSON FOR THE METROPOLITAN SEWERAGE DISTRICT IS:

KEVIN F. JOHNSON, PE
 PLANNING & DEVELOPMENT MANAGER
 PH: 828-225-8289

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 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.

10. CONTRACTOR SHALL FIELD VERIFY THE VERTICAL AND HORIZONTAL ALIGNMENTS OF THE PROPOSED UTILITY TIE-IN POINTS SHOWN ON THE PLANS. ONCE THE TIE-IN POINTS AND GRADE OF PROPOSED UTILITY LINES ARE VERIFIED AS CORRECT, THE CONTRACTOR CAN BEGIN CONSTRUCTION ON THE PROPOSED UTILITY LINES.

11. ALL BYPASS PUMPING NECESSARY TO MAINTAIN EXISTING SEWER FLOW DURING THE INSTALLATION OF THE PROPOSED SEWER LINES WILL BE INCIDENTAL TO THE COST OF THE PROPOSED SEWER LINES. THE CONTRACTOR MAY NEED TO INSTALL TEMPORARY MANHOLES ALONG THE EXISTING SEWER LINES FOR BYPASS PUMPING.

12. ALL REQUIRED SHEET PILING WILL BE INCIDENTAL TO THE COST OF THE WATER AND SEWER LINE. ALL SHEET PILING SHALL MEET NCDOT SPECIFICATIONS. THERE MAY BE AREAS WHERE DEWATERING MAY BE REQUIRED.

UTILITY CONSTRUCTION

PROJECT SPECIFIC NOTES:

1. PROPOSED WATER LINE FROM -L- LINE STATION 22+00 TO -L- LINE STATION 25+00 SHALL BE DUCTILE IRON RESTRAINED JOINT PIPE. SEE THE PLANS FOR THE DUCTILE IRON RESTRAINED JOINT SEWER PIPE LOCATIONS.

2. 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. IT'S

3. THE CONTRACTOR IS RESPONSIBLE TO DESIGN THE SHEET PILING NECESSARY FOR SHORING TRENCHES, BORE PITS, AND RECEIVING PITS, ALL SHEET PILING DESIGN SHALL BE SEALED BY A NORTH CAROLINA PROFESSIONAL ENGINEER.

4. WATER AND SEWER LINE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF ASHEVILLE, METROPOLITAN SEWER DISTRICT STANDARD DETAILS/SPECIAL PROVISIONS AND NCDOT 2018 STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. THE BEDDING DETAILS WILL BE IN ACCORDANCE WITH THE NCDOT DETAILS AND SPECIFICATIONS. ALL PAY ITEMS WILL BE IN ACCORDANCE WITH NCDOT 2018 STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES AND THE PROJECT SPECIAL PROVISION.

5. THE THRUST BLOCKING REQUIRED FOR THE 18" WATER LINE TIE-IN SHOWN ON SHEET UC-8 SHALL BE DESIGNED AND SEALED BY A NC PROFESSIONAL ENGINEER. THE CITY OF ASHEVILLE WILL NEED TO APPROVE THE THRUST BLOCKING BEFORE BEING INSTALLED.

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