

# 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 2024.
2. THE EXISTING UTILITIES BELONG TO DARE COUNTY DEPARTMENT OF WATER. THE UTILITY OWNER CONTACT IS:  
  
PAT IRWIN  
PUBLIC UTILITIES DIRECTOR  
252-475-5603
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.

## LIST OF STANDARD DRAWINGS

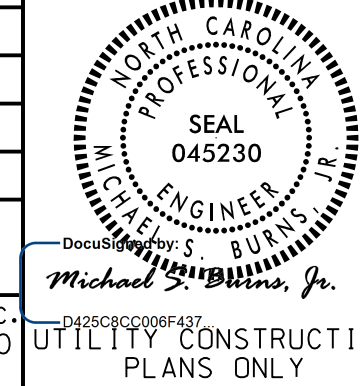
- |         |                 |
|---------|-----------------|
| 654.01  | PAVEMENT REPAIR |
| 1515.02 | FIRE HYDRANT    |

## PROJECT SPECIFIC NOTES:

1. DARE COUNTY SHALL OPEN AND CLOSE ALL VALVES.
2. IN ADVANCE OF BEGINNING UTILITY WORK SOFT DIGS SHALL BE PERFORMED BY CONTRACTOR TO VERIFY ACTUAL WATER LINE DEPTH AND LOCATION AT PROPOSED TIE-IN LOCATIONS.
3. CONTRACTOR SHALL ADHERE TO SECTION 1530 "ABANDON OR REMOVE UTILITIES" FOR ABANDONMENT OF PIPE, UNLESS OTHERWISE SPECIFIED.
4. NO INTERRUPTION TO EXISTING SERVICE SHALL TAKE PLACE UNTIL ALL CUSTOMERS HAVE BEEN NOTIFIED A MINIMUM OF 24 HOURS IN ADVANCE. NOTICE OF INTERRUPTION SHALL BE PREPARED BY THE WATER DEPARTMENT OFFICE ON OFFICIAL LETTERHEAD. CONTRACTOR TO CONTACT PAT IRWIN 2 WEEKS IN ADVANCE OF ANY WORK TO ALLOW SUFFICIENT TIME TO PREPARE NOTICE OF INTERRUPTION TO AFFECTED CUSTOMERS. DISTRIBUTION TO EACH CUSTOMER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNDER THE DIRECTION OF THE WATER DEPARTMENT OFFICE.
5. CERTIFIED BACTERIOLOGICAL AND CONTAMINANT TEST WILL BE PERFORMED BY DARE COUNTY. IF THE SAMPLE FAILS RECHLORINATE THE WATER LINE AS STATED IN THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
6. USE # 12 AWG COPPER CLAD STEEL WIRE WITH BLUE INSULATION FOR TRACER WIRE. ALLOW DARE COUNTY TO CONDUCT THE CONTINUITY TEST ONCE THE TRACER WIRES ARE INSTALLED.
7. A 2" OR GREATER TEMPORARY BLOW OFF SHALL BE INSTALLED FOR THE PURPOSE OF DISCHARGING SUPER-CHLORINATED WATER. ALL DISCHARGE SHALL BE DECHLORINATED PRIOR TO DISPOSAL BY THE CONTRACTOR.
8. A DARE COUNTY REPRESENTATIVE SHALL BE PRESENT FOR THE PRESSURE TEST, CHLORINATION, AND FLUSHING OF ALL NEW WATER LINES.
9. ALL DUCTILE IRON FITTINGS AND GATE VALVES ARE TO BE MECHANICAL JOINT AND INSTALLED WITH GRIPPING RINGS.



PROJECT REFERENCE NO.	SHEET NO.
B-5610	UC-3
DESIGNED BY: MSB	3/12/2024
DRAWN BY: MSB	
CHECKED BY: APY	
APPROVED BY: APY	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	



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

10. 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.
11. DO NOT USE ROCK BEDDING IN TRENCHES WHERE PVC PIPE IS TO BE INSTALLED.
12. 1" TAPS AND SERVICE LINES ARE PROPOSED FOR ALL SERVICE CONNECTIONS. 3/4" METERS ARE PROPOSED FOR ALL NEW WATER METERS ON THE PROJECT. A REDUCER MUST BE SUPPLIED AT THE METER.
13. DARE COUNTY AND THE ENGINEER OF RECORD SHALL BE PROVIDED WITH A DIGITAL CAD (.DWG) FILE COPY OF THE SURVEYED AS-BUILTS OF THE INSTALLED UTILITY. THE AS-BUILTS SHALL INCLUDE NOTIONS OF THE SIZE AND TYPE OF MATERIAL INSTALLED; GPS COORDINATED OF ALL FITTINGS, UTILITY CONTROLS, AND THE HORIZONTAL AND VERTICAL LOCATIONS OF THE PIPING, INCLUDING DEPTHS OF COVER. PROVIDE COLOR PHOTOGRAPHS FOR ALL TEE AND VALVE CONNECTIONS AND FIRE HYDRANT ASSEMBLIES PRIOR TO PLACING ANY BACKFILL. PHOTOGRAPHS SHALL BE NUMBERED AND KEYED TO THE APPROPRIATE LOCATION ON THE AS-BUILTS DRAWINGS. PROVIDE BORING LOGS FROM THE TRENCHLESS INSTALLATIONS.