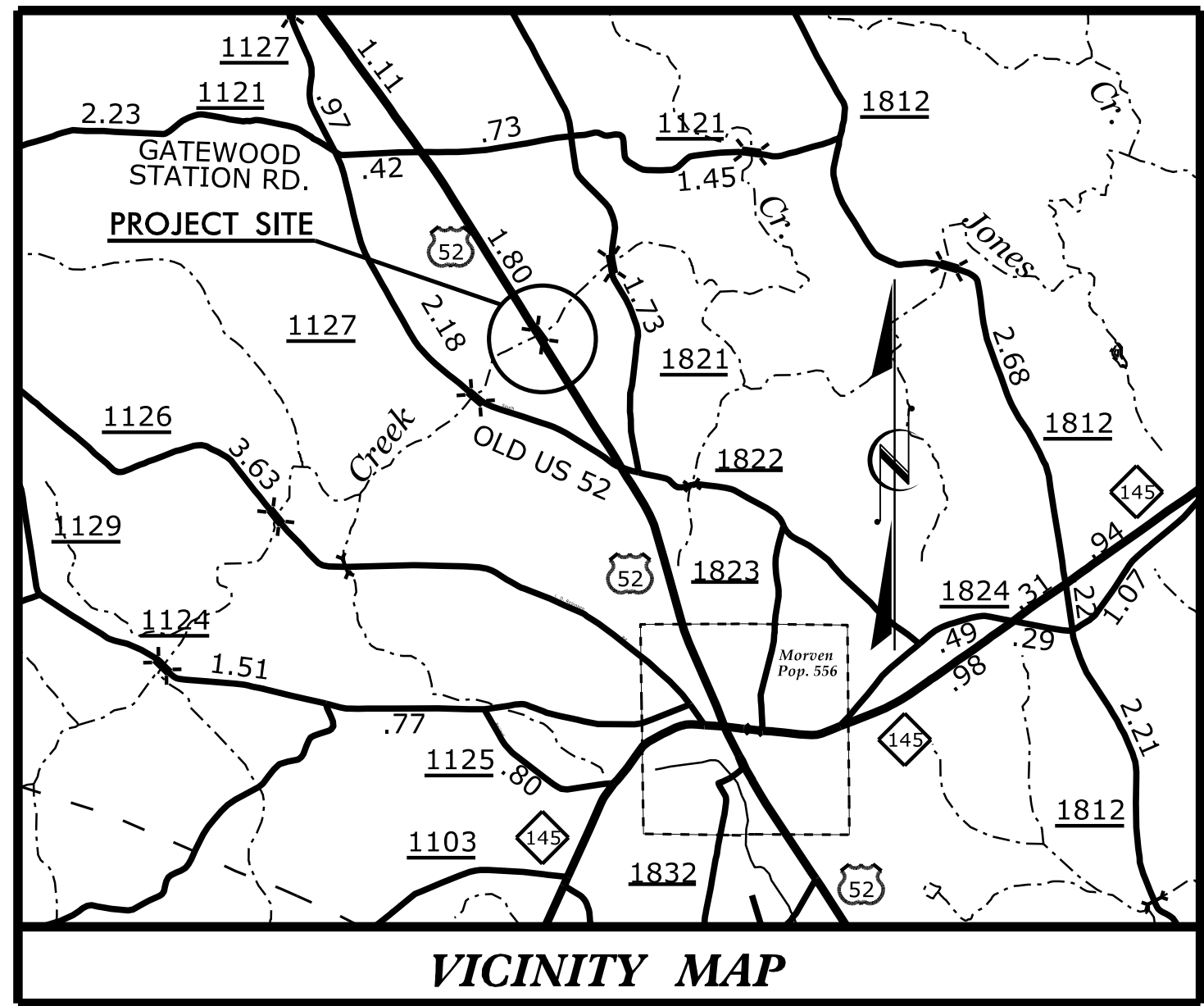


09/20/2023

TIP PROJECT: BR-0062

T.I.P. NO.	SHEET NO.
BR-0062	UC-1

BRIDGE #030014

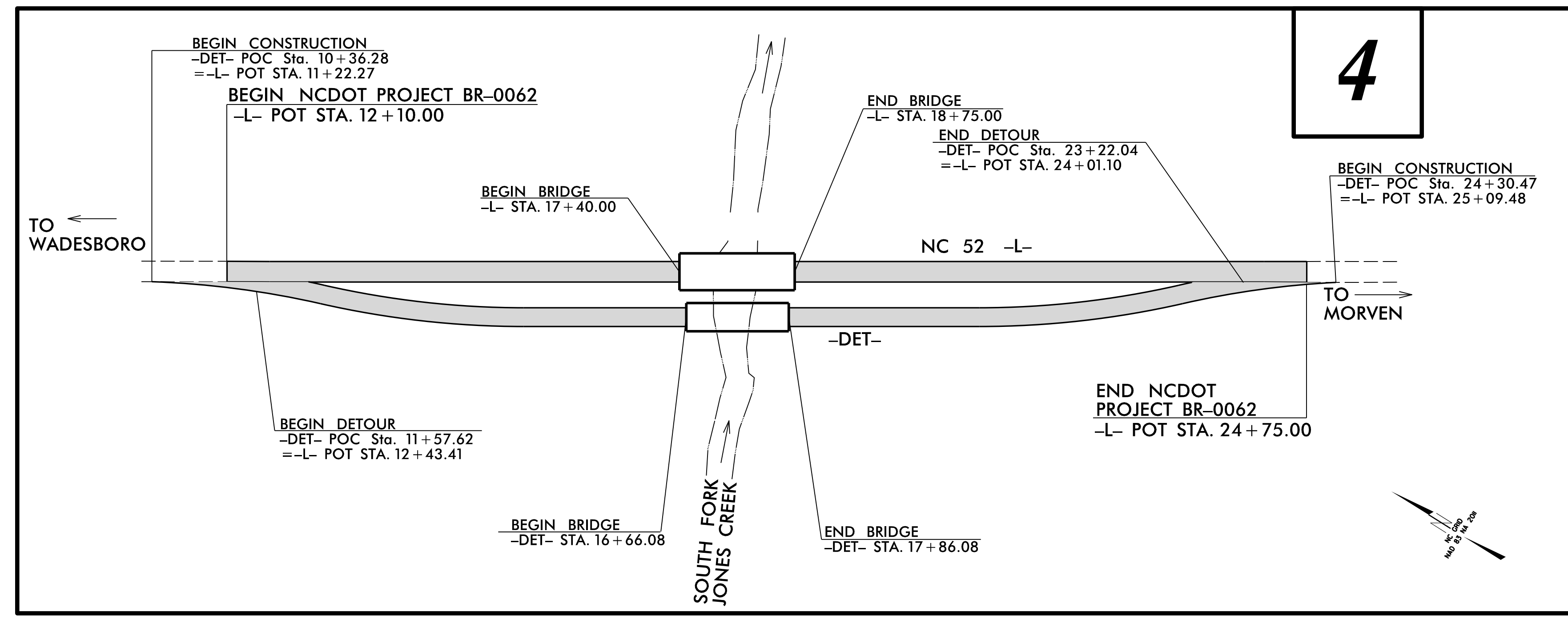


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

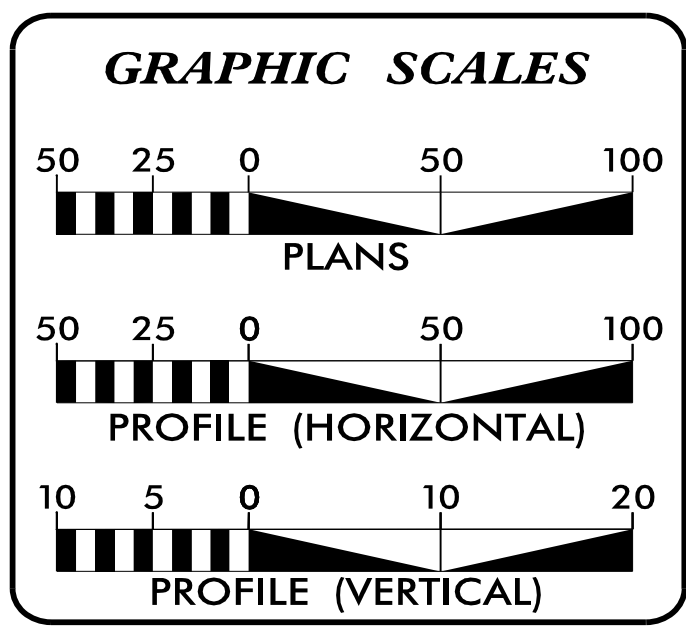
UTILITY CONSTRUCTION PLANS  
ANSON COUNTY

LOCATION: REPLACE BRIDGE OVER SOUTH FORK JONES CREEK  
ON US 52

TYPE OF WORK: WATER RELOCATION



DOCUMENT NOT CONSIDERED FINAL  
UNTIL ALL SIGNATURES ARE COMPLETED



SHEET NO.:	DESCRIPTION:
UC-1	TITLE SHEET
UC-2	UTILITY SYMBOLOGY
UC-3	NOTES
UC-3A THRU UC-3C	DETAILS
UC-4	UTILITY CONSTRUCTION SHEET
UC-5	PROFILE SHEET

WATER OWNERS ON PROJECT

(A) WATER - ANSON COUNTY

PREPARED IN THE OFFICE OF:

1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919 851 8077  
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - SURVEY/SUE - UTILITIES - CONSTRUCTION OBSERVATION

PANKIL K. PATEL UTILITY PROJECT MANAGER  
TREVOR REEVES PROJECT UTILITY COORDINATOR

SEAL 3/22/2024

Edward G. Wetherill  
Professional Engineer

DIVISION OF HIGHWAYS  
DIVISION 10  
716 West Main Street  
Albemarle, NC, 28001


LYNN L. BASINGER DIVISION UTILITY ENGINEER  
ADAM J. PRESLAR DIVISION UTILITY AGENT  
GARLAND HAYWOOD, PE DIVISION BRIDGE PROGRAM MANAGER

10/16/2023  
I:\BR-0062-ut-fsh-UC1-psh.dgn  
USER: Treves

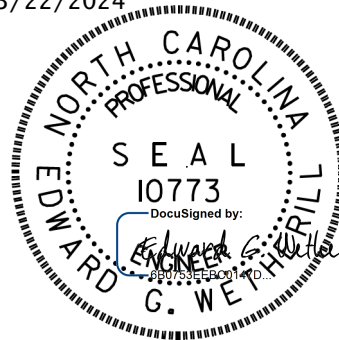




# UTILITY CONSTRUCTION


 1223 Jones Franklin Rd.  
 Raleigh, N.C. 27606  
 License No. F-0377  
 Bus: 919 851 8077  
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GIS - SURVEY/SUE - UTILITIES - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO.	SHEET NO.
BR-0062	UC-3
DESIGNED BY: TWR	8/22/2024
DRAWN BY: TWR	
CHECKED BY: PKP	
APPROVED BY: SLK	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

## UTILITY CONSTRUCTION

### GENERAL NOTES:

1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATIONS "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2024.
2. THE EXISTING UTILITIES BELONG TO ANSON COUNTY. CONTACT CHRIS HARRINGTON, ANSON COUNTY ASSISTANT UTILITIES DIRECTOR, AT 704-694-5208.
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.

### PROJECT SPECIFIC NOTES:

1. PROPOSED WATER LINE FROM WL-1 STATION 10+00 +/- TO WL-1 STATION 15+69 +/- SHALL BE 12" PVC SDR21, INSTALLED BY OPEN CUT METHOD.
2. PROPOSED WATER LINE FROM WL-1 STATION 15+69 +/- TO WL-1 STATION 16+79 +/- SHALL BE 12" PVC SDR21 WITH 20" STEEL ENCASMENT, INSTALLED BY BORE AND JACK METHOD.
3. PROPOSED WATER LINE FROM WL-1 STATION 16+79 +/- TO WL-1 STATION 23+04 +/- SHALL BE 12" PVC SDR21, INSTALLED BY OPEN CUT METHOD.

### WATER INSTALLATION NOTES

1. CONTRACTOR SHALL COORDINATE ALL PROPOSED WORK WITH ANSON COUNTY MR. CHRIS HARRINGTON AT 704-694-5208, 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
2. CONTRACTOR SHALL FULLY INSTALL, PRESSURE & LEAKAGE TEST, AND CHLORINATE NEW WATER MAIN PRIOR TO CONNECTION TO EXISTING SYSTEM.
3. CONTRACTOR SHALL PERFORM THE CONNECTION DURING OFF PEAK HOURS WITH A MAXIMUM SHUT DOWN TIME OF FIVE HOURS. (12 PM MIDNIGHT TO 5 AM)
4. ANY WORK OR TEST PERFORMED WITHOUT NOTIFICATION AND CONTACT WITH ANSON COUNTY FIELD INSPECTORS SHALL BE PERFORMED AT THE CONTRACTOR'S RISK. TESTING SHALL BE PERFORMED IN THE PRESENCE OF ANSON COUNTY PERSONNEL. CONTACT MR. CHRIS HARRINGTON AT 704-694-5208.
5. OPERATION OF EXISTING GATE VALVES SHALL BE DONE BY ANSON COUNTY OPERATIONS STAFF. CONTACT MR. CHRIS HARRINGTON AT 704-694-5208.
6. TIE NEW WATER MAIN INTO EXISTING. INSTALL THRUST BLOCKS AND RODDING AS REQUIRED.
7. NEW WATER MAIN SHALL NOT BE CONNECTED TO EXISTING MAIN WITHOUT PRIOR APPROVAL AND COORDINATION WITH ANSON COUNTY.
8. PROPOSED PVC WATER LINE SHALL BE INSTALLED WITH TRACER WIRE.

REVISIONS













8/17/99

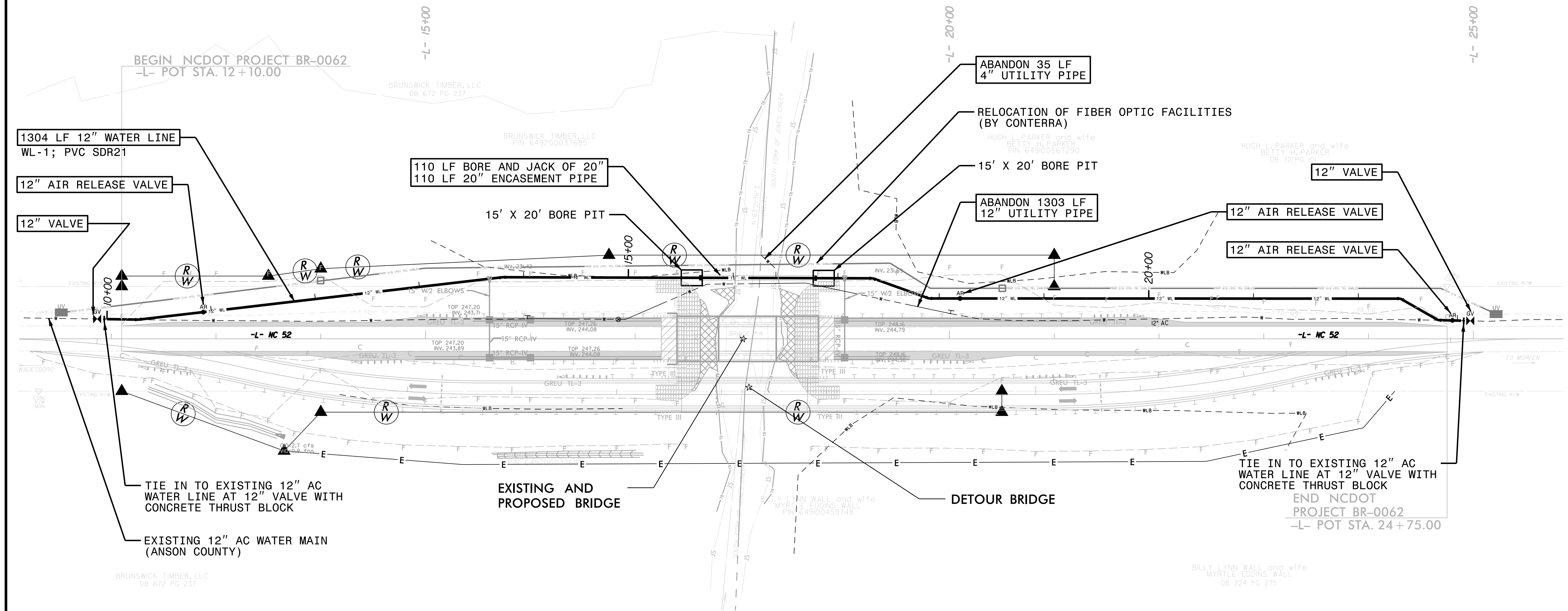
**WETHERILL ENGINEERING**  
 1223 Jones Franklin Rd.  
 Raleigh, N.C. 27606  
 License No. F-0377  
 Bus: 919 851 8077  
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - SURVEY/SUE - UTILITIES - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. <b>BR-0062</b>	SHEET NO. <b>UC-4</b>
DESIGNED BY: <b>TWR</b>	3/22/2024
DRAWN BY: <b>TWR</b>	
CHECKED BY: <b>PKP</b>	
APPROVED BY: <b>SLK</b>	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	UTILITY CONSTRUCTION PLANS ONLY
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

**UTILITY CONSTRUCTION**

REVISIONS



SEE SHEET UC-5 FOR WL-1 PROFILE

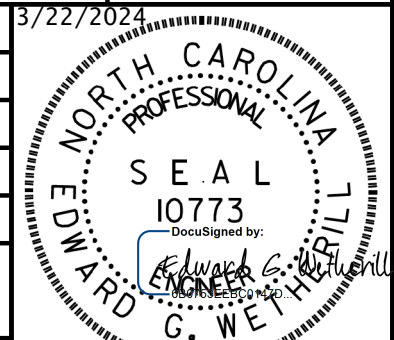
**NOTE:**  
 THE ESTIMATED QUANTITY OF DUCTILE IRON WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1320 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

10/16/2023 10:56:20 AM 2023 uc-4-uc4\_psh.dgn

5/14/99

**WETHERILL ENGINEERING**  
 1223 Jones Franklin Rd.  
 Raleigh, N.C. 27606  
 License No. F-0377  
 Bus: 919 851 8077  
 Fax: 919 851 8107

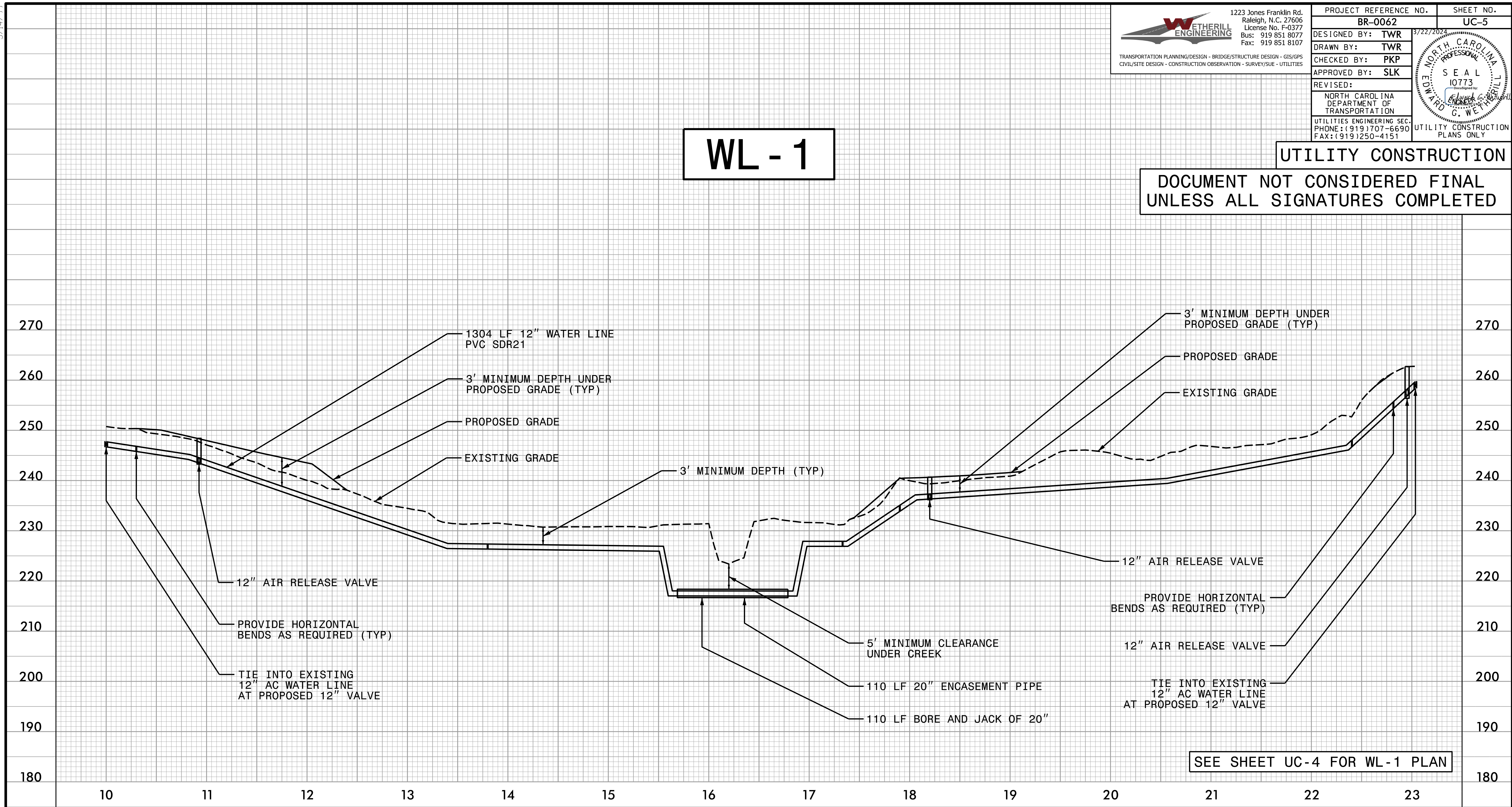
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN - GIS/GPS  
 CIVIL/SITE DESIGN - CONSTRUCTION OBSERVATION - SURVEY/SUE - UTILITIES

PROJECT REFERENCE NO. <b>BR-0062</b>	SHEET NO. <b>UC-5</b>
DESIGNED BY: <b>TWR</b>	3/22/2024 
DRAWN BY: <b>TWR</b>	
CHECKED BY: <b>PKP</b>	
APPROVED BY: <b>SLK</b>	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

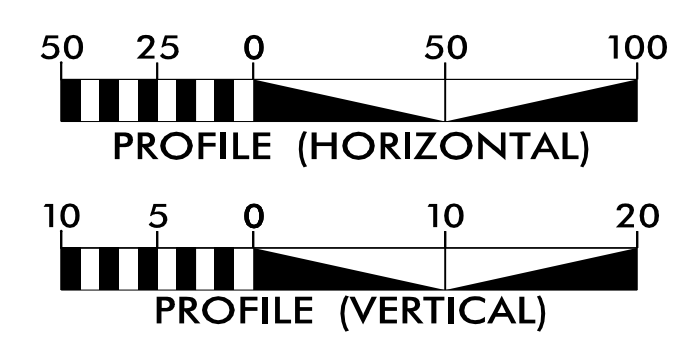
# WL-1

## UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



SEE SHEET UC-4 FOR WL-1 PLAN



3/28/2024  
3:24:06 PM  
UC5\_psh.dgn