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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| BPI-R009 | UC-2 |
| R/W SHEET NO. | |

UTILITIES ENGINEER

SEAL 14101 ENGINEER JOHN M. KAMPRATH

5/24/2023

Prepared by

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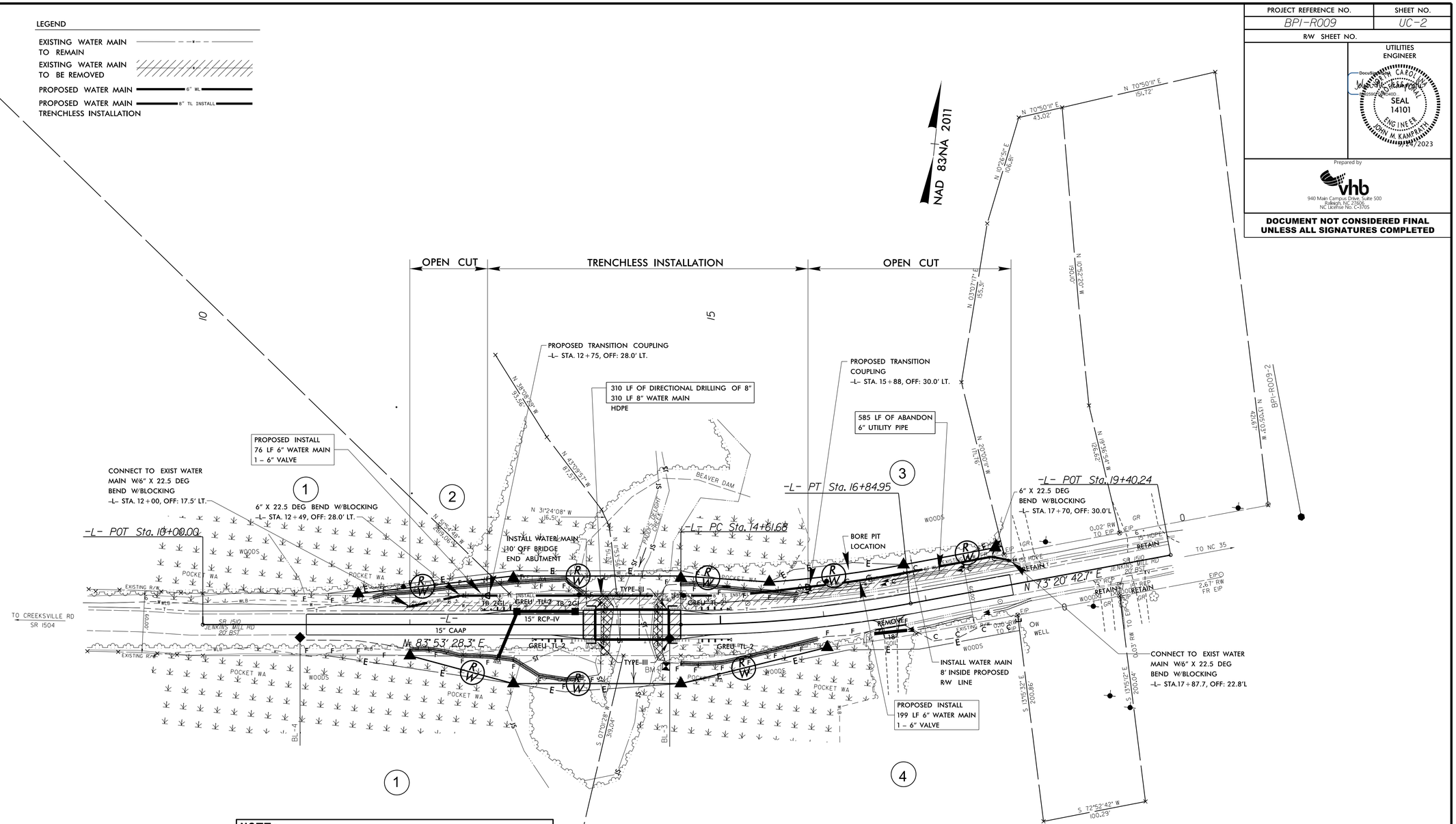
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

LEGEND

- EXISTING WATER MAIN TO REMAIN
- EXISTING WATER MAIN TO BE REMOVED
- PROPOSED WATER MAIN — 6" WL
- PROPOSED WATER MAIN TRENCHLESS INSTALLATION — 8" TL INSTALL




## DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY JMT FOR MONUMENT "CENTROID"
WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 962810.000(ft) EASTING: 2518860.000(ft)
ELEVATION: 59.000(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.0000703084
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "CENTROID" TO -L- STATION IS

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

**NOTE:**
**THE ESTIMATED QUANTITY OF DUCTILE IRON WATER PIPE FITTINGS ON THIS PLAN SHEET IS 490 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.**

BM1 ELEVATION = 46.42
N 962767 E 2518898
BL STATION 8+54.00 27 RIGHT
SPIKE IN 22" OAK

**NOTE:**
**PRIOR TO COMMENCING ANY WORK ON ANY TRENCHLESS INSTALLATION ON THIS PROJECT, PROVIDE A DESIGN FOR THE TRENCHLESS INSTALLATION CERTIFIED BY AN ENGINEER LICENSED BY THE STATE OF NORTH CAROLINA, AS REQUIRED BY SUBARTICLE 1550-3(B) OF THE STANDARD SPECIFICATIONS.**

## NOTES

1. ALL WORK ASSOCIATED WITH THE RELOCATION OF WATER MAINS SHALL BE COMPLETED IN ACCORDANCE WITH THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, LATEST EDITION, SUPPLEMENTED AS REQUIRED WITH THE FACILITY'S OWNER STANDARDS AS DESCRIBED IN THE PROJECT SPECIFIC SPECIAL PROVISIONS.
2. INSTALL GATE VALVES AT EACH LOCATION AS SHOWN ON THE PLANS TO ALLOW FOR LINE ISOLATION IF REQUIRED.
3. ALL WATER MAINS SHALL BE INSTALLED WITH A MINIMUM OF 36 INCHES OF COVER.
4. VERIFY ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF CONFLICTS ARE ENCOUNTERED.
5. CONTRACTOR SHALL COORDINATE UTILITY RELOCATION WITH LOCAL UTILITY COMPANIES AS REQUIRED.
6. ALL CONNECTIONS TO EXISTING WATER MAINS SHALL BE MADE WITH THRUST COLLAR IN ACCORDANCE WITH THE DETAIL OF THESE PLANS.
7. FILL LINE WITH WATER AND ALLOW TO SIT IN PLACE FOR 24 HOURS BEFORE TIE IN TO EXISTING LINE.

FOR WATER MAIN PROFILE SEE SHEET UC-3

8/17/99

5/24/2023
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