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8/17/99

PROJECT REFERENCE NO.	SHEET NO.
B-5644	UC-4
DESIGNED BY: KCZ	
DRAWN BY: KCZ	
CHECKED BY: KSH	
APPROVED BY: KCZ	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151	UTILITY CONSTRUCTION PLANS ONLY

NORTH CAROLINA PROFESSIONAL SEAL 27611 ENGINEER KEVIN C. ZORB
Docusigned by: Kevin C. Zorb
9/1/2022

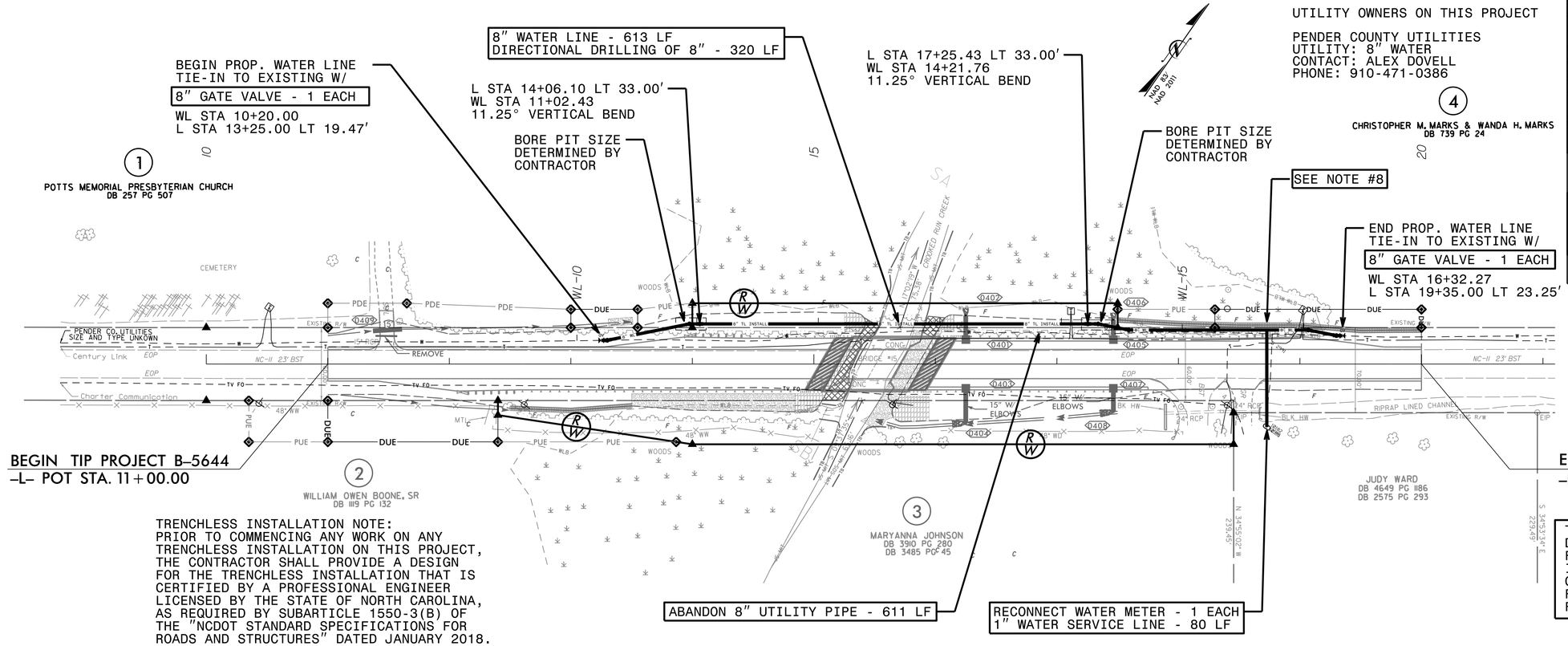
UTILITY CONSTRUCTION

Weston & Sampson
WSE of North Carolina, PC
598 East Chatham Street Suite 137 Cary, NC 27511
Phone: 919.297.0220 Fax: 919.297.0221
NC License: C-4647

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

UTILITY OWNERS ON THIS PROJECT

PENDER COUNTY UTILITIES
UTILITY: 8" WATER
CONTACT: ALEX DOVELL
PHONE: 910-471-0386

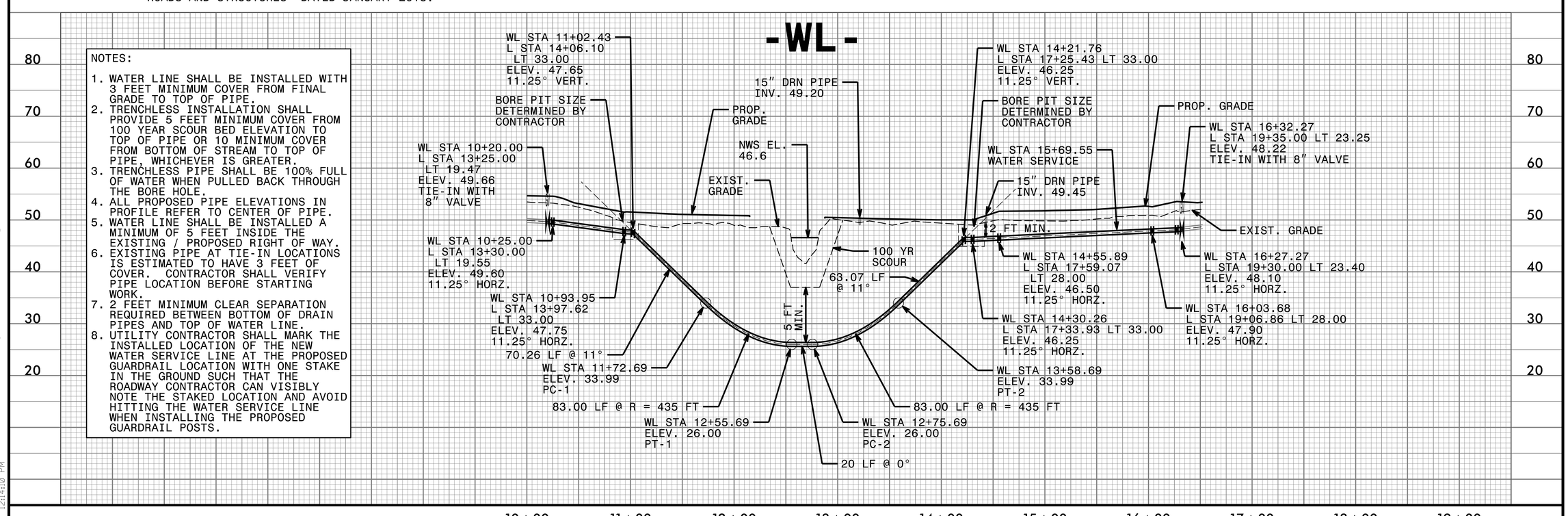


TRENCHLESS INSTALLATION NOTE:
PRIOR TO COMMENCING ANY WORK ON ANY TRENCHLESS INSTALLATION ON THIS PROJECT, THE CONTRACTOR SHALL PROVIDE A DESIGN FOR THE TRENCHLESS INSTALLATION THAT IS CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF NORTH CAROLINA, AS REQUIRED BY SUBARTICLE 1550-3(B) OF THE "NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2018.

THE ESTIMATED QUANTITY OF DUCTILE IRON WATER PIPE FITTINGS ON THIS PLAN SHEET IS 880 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

NOTES:

1. WATER LINE SHALL BE INSTALLED WITH 3 FEET MINIMUM COVER FROM FINAL GRADE TO TOP OF PIPE.
2. TRENCHLESS INSTALLATION SHALL PROVIDE 5 FEET MINIMUM COVER FROM 100 YEAR SCOUR BED ELEVATION TO TOP OF PIPE OR 10 MINIMUM COVER FROM BOTTOM OF STREAM TO TOP OF PIPE, WHICHEVER IS GREATER.
3. TRENCHLESS PIPE SHALL BE 100% FULL OF WATER WHEN PULLED BACK THROUGH THE BORE HOLE.
4. ALL PROPOSED PIPE ELEVATIONS IN PROFILE REFER TO CENTER OF PIPE.
5. WATER LINE SHALL BE INSTALLED A MINIMUM OF 5 FEET INSIDE THE EXISTING / PROPOSED RIGHT OF WAY.
6. EXISTING PIPE AT TIE-IN LOCATIONS IS ESTIMATED TO HAVE 3 FEET OF COVER. CONTRACTOR SHALL VERIFY PIPE LOCATION BEFORE STARTING WORK.
7. 2 FEET MINIMUM CLEAR SEPARATION REQUIRED BETWEEN BOTTOM OF DRAIN PIPES AND TOP OF WATER LINE.
8. UTILITY CONTRACTOR SHALL MARK THE INSTALLED LOCATION OF THE NEW WATER SERVICE LINE AT THE PROPOSED GUARDRAIL LOCATION WITH ONE STAKE IN THE GROUND SUCH THAT THE ROADWAY CONTRACTOR CAN VISIBLY NOTE THE STAKED LOCATION AND AVOID HITTING THE WATER SERVICE LINE WHEN INSTALLING THE PROPOSED GUARDRAIL POSTS.



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