NOTES:

PILE DIMENSIONS ARE SHOWN TO THE CENTERLINE OF THE PILES.

FOR PILES, SEE GEOTECHNICAL SPECIAL PROVISIONS AND SECTION 450 OF THE STANDARD SPECIFICATIONS.

PILES AT END BENT No. 1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 80 TONS PER PILE.

DRIVE PILES AT END BENT No. 1 TO A REQUIRED DRIVING RESISTANCE OF 135 TONS PER PILE.

PILES AT END BENT No. 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 120 TONS PER PILE.

DRIVE PILES AT END BENT No. 2 TO A REQUIRED DRIVING RESISTANCE OF 200 TONS PER PILE.

PILES AT BENT No. 1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 85 TONS PER PILE.

DRIVE PILES AT BENT No. 1 TO A REQUIRED DRIVING RESISTANCE OF 145 TONS PER PILE.

PILES AT BENT No. 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 120 TONS PER PILE.

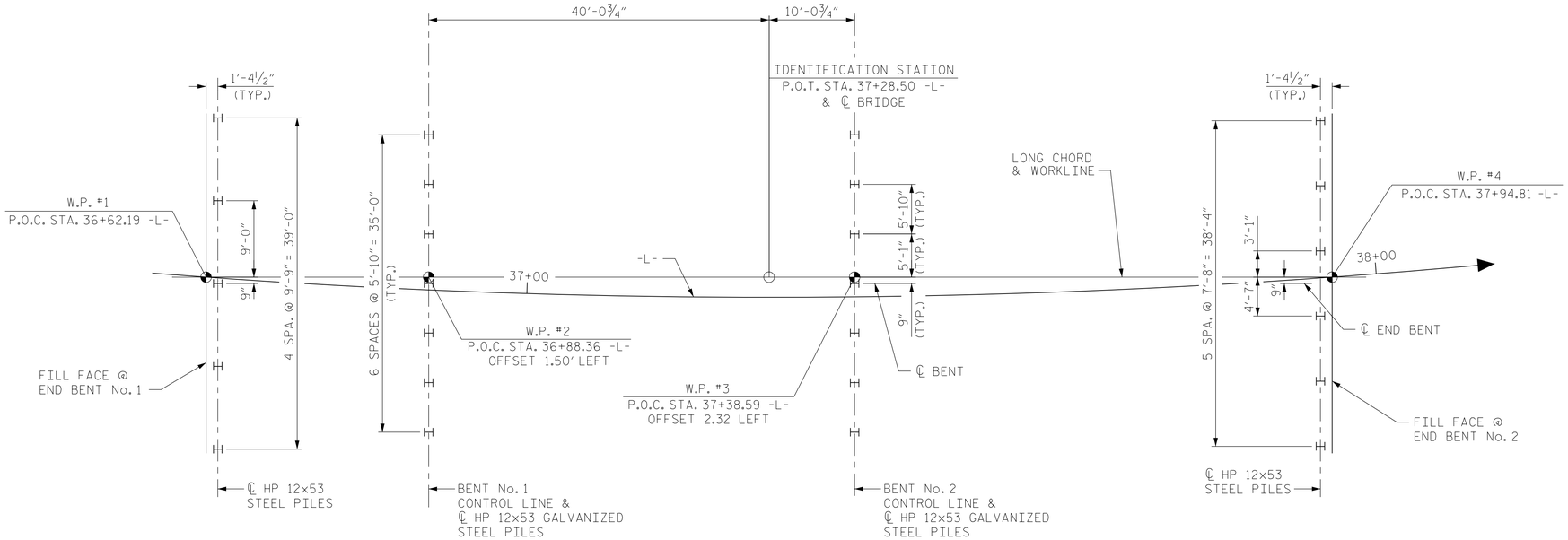
DRIVE PILES AT BENT No. 2 TO A REQUIRED DRIVING RESISTANCE OF 200 TONS PER PILE.

TESTING PILES WITH THE PDA DURING DRIVING, RESTRIKING OR REDRIVING MAY BE REQUIRED. THE ENGINEER WILL DETERMINE THE NEED FOR PDA TESTING. FOR PDA TESTING, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

INSTALL PILES AT BENT No. 1 TO A TIP ELEVATION NO HIGHER THAN 104 FEET.

INSTALL PILES AT BENT No. 2 TO A TIP ELEVATION NO HIGHER THAN 103 FEET.

THE SCOUR CRITICAL ELEVATION FOR BENT No. 1 IS ELEVATION 124.0 FEET. THE SCOUR CRITICAL ELEVATION FOR BENT No. 2 IS ELEVATION 121.0 FEET. SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.



END BENT NO. 1 | BENT NO. 1 | BENT NO. 2 | END BENT NO. 2

FOUNDATION LAYOUT

PROJECT NO. B-5333

ROBESON COUNTY

STATION: 37+28.50 -L-

SHEET 2 OF 4 REPLACES BRIDGE NO. 174

Dewberry
2610 WYCLIFF ROAD
SUITE 410
RALEIGH, NC 27607
PHONE: 919.881.9939
NC COA No. F-0929

NORTH CAROLINA PROFESSIONAL SEAL 032076 ENGINEER JENNIFER R. MCROY

12/9/2016

DocuSigned by: Jennifer R. McRoy E1114C791288475...

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE ON SR 1550
OVER LUMBER RIVER OVERFLOW
BETWEEN BUS. 74 & SR 1339
33'-10" CLEAR ROADWAY - 90° SKEW

REVISIONS						SHEET No.
No.	BY:	DATE:	No.	BY:	DATE:	S02-2
1			3			TOTAL SHEETS
2			4			23

DRAWN BY : MTB DATE : 04/16
CHECKED BY : JRM DATE : 04/16

12/9/2016 8:51:26 AM
\B5333_SD_DSN_174_FOUNDLAY.dgn
USER: jmcroy