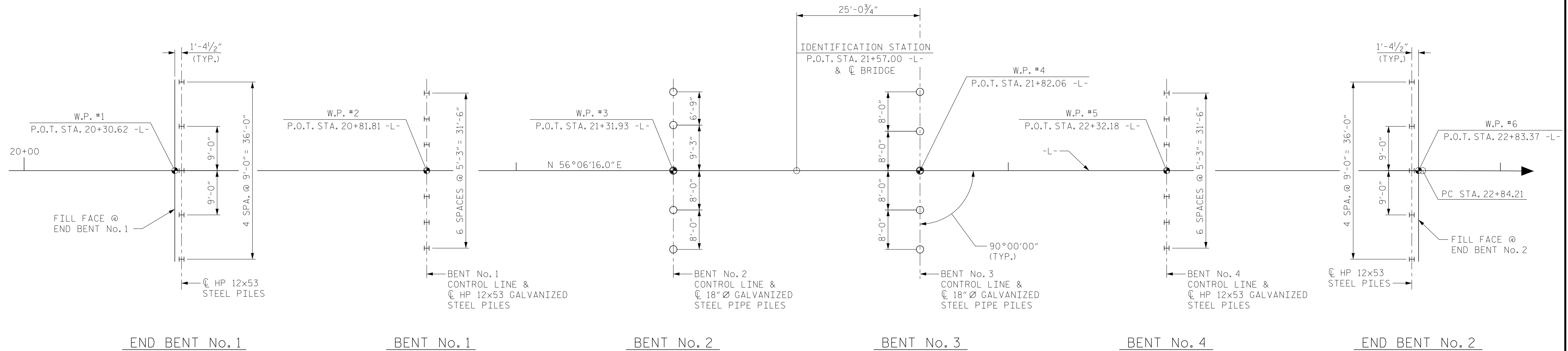
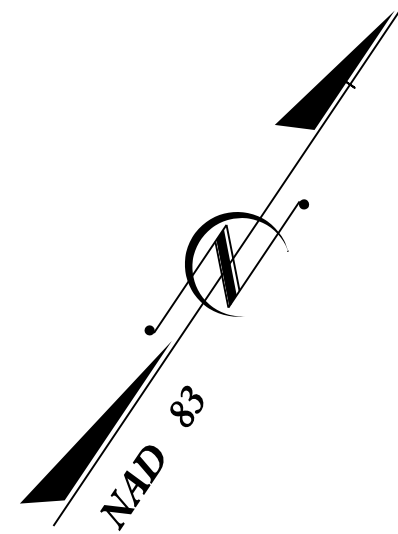


NOTES:

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 AND END BENT No.2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 105 TONS PER PILE.
 DRIVE PILES AT END BENT No.1 AND END BENT No.2 TO A REQUIRED DRIVING RESISTANCE OF 175 TONS PER PILE.
 PILES AT BENT No.1 AND BENT No.4 ARE DESIGNED FOR A FACTORED RESISTANCE OF 105 TONS PER PILE.
 DRIVE PILES AT BENT No.1 AND BENT No.4 TO A REQUIRED DRIVING RESISTANCE OF 175 TONS PER PILE.
 PILES AT BENT No.2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 165 TONS PER PILE.
 DRIVE PILES AT BENT No.2 TO A REQUIRED DRIVING RESISTANCE OF 275 TONS PER PILE.
 PILES AT BENT No.3 ARE DESIGNED FOR A FACTORED RESISTANCE OF 155 TONS PER PILE.
 DRIVE PILES AT BENT No.3 TO A REQUIRED DRIVING RESISTANCE OF 260 TONS PER PILE.
 TESTING PILES WITH THE PDA DURING DRIVING, RESTRIKING OR REDRIVING MAY BE REQUIRED AT END BENT Nos.1 AND 2, AND AT BENT Nos.1 AND 4. THE ENGINEER WILL DETERMINE THE NEED FOR PDA TESTING. FOR PDA TESTING, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

NOTES: (CONT'D.)

TESTING THE FIRST PRODUCTION PILE WITH THE PDA DURING DRIVING, RESTRIKING OR REDRIVING IS REQUIRED AT BENT No.2 OR BENT No.3. FOR PDA TESTING, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
 IT HAS BEEN ESTIMATED THAT A HAMMER WITH AN EQUIVALENT RATED ENERGY IN THE RANGE OF 60,000 TO 100,000 FT-LBS PER BLOW WILL BE REQUIRED TO DRIVE PILES AT BENT Nos.2 AND 3. THIS ESTIMATED ENERGY RANGE DOES NOT RELEASE THE CONTRACTOR FROM PROVIDING DRIVING EQUIPMENT IN ACCORDANCE WITH SUBARTICLE 450-3(D)(2) 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 97 FEET.
 INSTALL PILES AT BENT No.3 TO A TIP ELEVATION NO HIGHER THAN 90 FEET.
 INSTALL PILES AT BENT No.4 TO A TIP ELEVATION NO HIGHER THAN 103 FEET.
 PIPE PILE PLATES ARE REQUIRED FOR STEEL PIPE PILES AT BENT Nos.2 AND 3. USE PIPE PILE PLATES WITH A DIAMETER EQUAL TO THE PIPE PILE DIAMETER. FOR STEEL PIPE PILE PLATES, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
 THE SCOUR CRITICAL ELEVATION FOR BENT No.1 IS ELEVATION 124.0 FEET. THE SCOUR CRITICAL ELEVATION FOR BENT No.2 IS ELEVATION 118.0 FEET. THE SCOUR CRITICAL ELEVATION FOR BENT No.3 IS ELEVATION 114.0 FEET. THE SCOUR CRITICAL ELEVATION FOR BENT No.4 IS ELEVATION 121.0 FEET. SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.

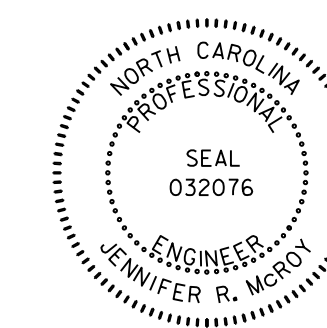


FOUNDATION LAYOUT

PROJECT NO. B-5333
ROBESON COUNTY
 STATION: 21+57.00 -L-

SHEET 2 OF 3 REPLACES BRIDGE NO. 173

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



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
 RALEIGH
 GENERAL DRAWING
 FOR BRIDGE ON SR 1550
 OVER LUMBER RIVER
 BETWEEN BUS. 74 & SR 1339
 30'-10" CLEAR ROADWAY - 90° SKEW

REVISIONS						SHEET No.
No.	BY:	DATE:	No.	BY:	DATE:	S01-2
1			3			TOTAL SHEETS
2			4			24

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

6/2/2016 8:02:37 AM 173_FOUNDLAY.dgn USER: mbelisle

DocuSigned by:
 Jennifer R. McKay 6/6/2016
 E1114C791288475...