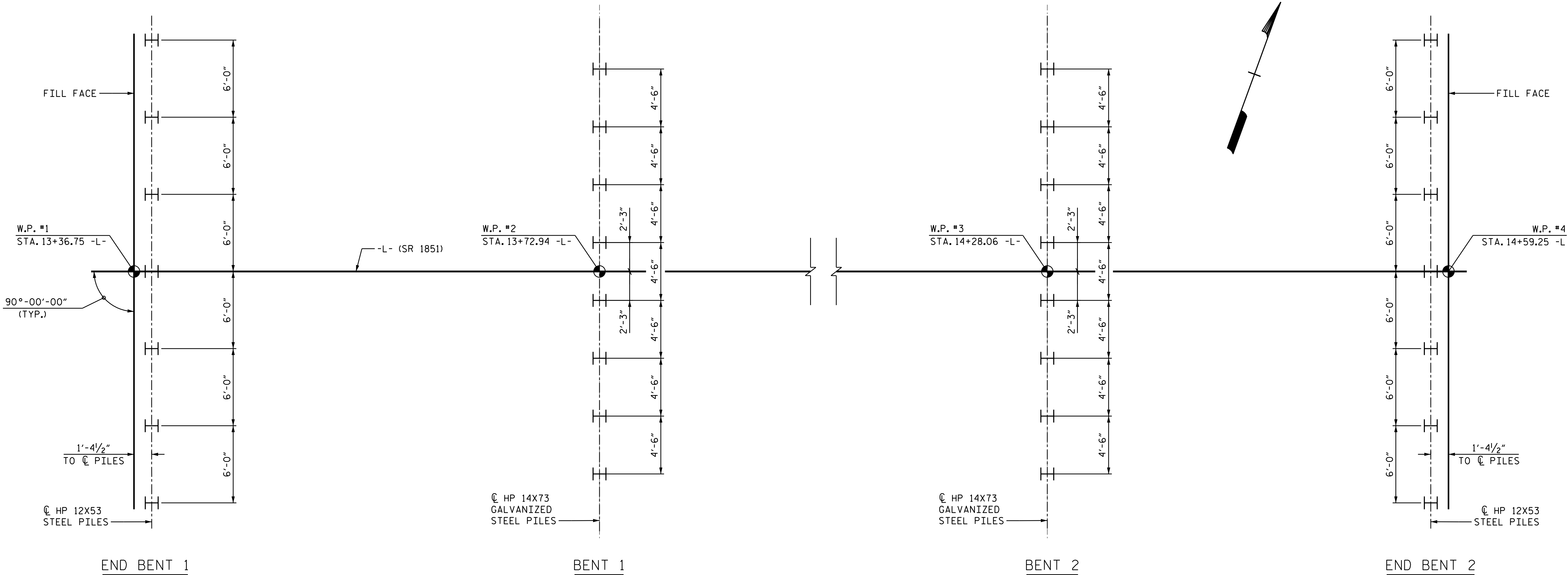




FOUNDATION LAYOUT

DIMENSIONS LOCATING PILES ARE SHOWN TO THE CENTERLINE

FOUNDATION NOTES

- 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 55 TONS PER PILE.
- DRIVE PILES AT END BENT NO.1 AND END BENT NO.2 TO A REQUIRED DRIVING RESISTANCE OF 75 TONS PER PILE.
- PILES AT BENT NO.1 AND BENT NO.2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 100 TONS PER PILE.
- DRIVE PILES AT BENT NO.1 TO A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE.
- DRIVE PILES AT BENT NO.2 TO A REQUIRED DRIVING RESISTANCE OF 150 TONS PER PILE.
- INSTALL PILES AT BENT NO.1 TO A TIP ELEVATION NO HIGHER THAN 59 FT.
- INSTALL PILES AT BENT NO.2 TO A TIP ELEVATION NO HIGHER THAN 57 FT.

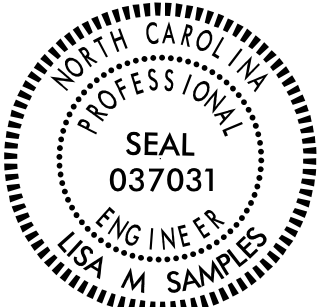
THE SCOUR CRITICAL ELEVATION FOR BENT NO.1 AND BENT NO.2 IS ELEVATION 77 FT. SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.

TESTING THE FIRST PRODUCTION PILE WITH THE PDA DURING DRIVING, RESTRIKING OR REDRIVING IS REQUIRED AT END BENT NO.1 OR END BENT NO.2 AND BENT NO.1 OR BENT NO.2. FOR PDA TESTING, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

PROJECT NO. B-4950
CUMBERLAND COUNTY
STATION: 13+98.00 -L-

SHEET 2 OF 3

DocuSigned by:
Lisa M. Samples
1/16/2017



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Suite 430
Raleigh, NC 27606
NC License Number : C-3239

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
FOUNDATION LAYOUT BRIDGE 171 ON SR 1851 OVER SOUTH RIVER BETWEEN SR 1848 & SR 1424					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
TOTAL SHEETS					24

DRAWN BY :	J.M. KEPICH	DATE :	10/16
CHECKED BY :	L.M. SAMPLES	DATE :	11/16
DESIGN ENGINEER OF RECORD :	L.M. SAMPLES	DATE :	11/16

*****SYTIME*****
*****SDGN*****
*****USERNAME*****