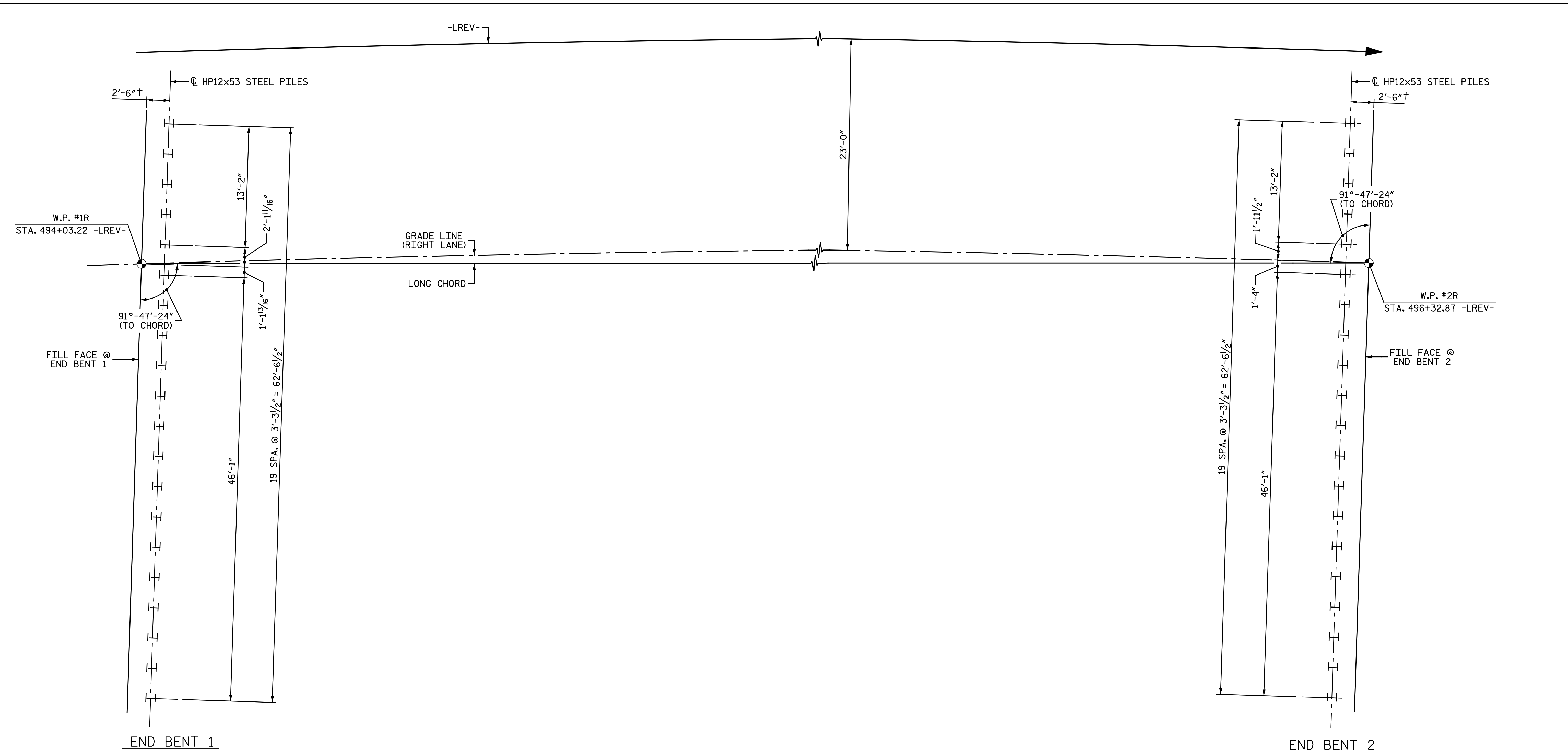


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### FOUNDATION LAYOUT

DIMENSIONS LOCATING PILES ARE SHOWN TO THE PILE CENTERLINES.  
ALL PILES ARE VERTICAL HP12x53 STEEL PILES, GRADE 50.

† MEASURED PERPENDICULAR TO FILL FACE AT END BENT

#### 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 125 TONS PER PILE.
- DRIVE PILES AT END BENT NO.1 TO A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. THIS REQUIRED DRIVING RESISTANCE INCLUDES ADDITIONAL RESISTANCE FOR DOWNDRAG.
- DRIVE PILES AT END BENT NO.2 TO A REQUIRED DRIVING RESISTANCE OF 210 TONS PER PILE.
- TESTING THE FIRST PRODUCTION PILE WITH THE PDA DURING DRIVING, RESTRIKING OR REDRIVING IS REQUIRED AT END BENT NO.1 AND/OR END BENT NO.2. FOR PDA TESTING, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

PROJECT NO. U-2524D  
GUILFORD COUNTY  
 STATION: 495+22.00 -LREV-  
18+84.00 -Y8-  
 SHEET 2 OF 5

DRAWN BY : M. D. M./N.B.S. DATE : 2-12-16  
 CHECKED BY : B. J. BELL DATE : 3-21-16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	 7/18/2016 Michael Baker Engineering 8000 Regency Parkway, Suite 600 Cary, North Carolina 27518 NC License No.: F-1084		STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH <b>GENERAL DRAWING</b> FOR BRIDGE ON GREENSBORO WESTERN URBAN LOOP OVER LAWNDALE DRIVE BETWEEN SR 2347 AND SR 1001 <b>RIGHT LANES</b>		SHEET NO. <b>S4-2</b>	
	REVISIONS				TOTAL SHEETS <b>35</b>	
	NO.	BY:	DATE:	NO.		BY:
1			3			
2			4			