



**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 250 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 240 TONS PER PILE. THIS REQUIRED DRIVING RESISTANCE INCLUDES ADDITIONAL RESISTANCE FOR DOWNDRAG.

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

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DRAWN BY : M. D. M./N.B.S. DATE : 2-12-16  
 CHECKED BY : B. J. BELL DATE : 3-20-16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			DEPARTMENT OF TRANSPORTATION RALEIGH <b>GENERAL DRAWING</b> FOR BRIDGE ON GREENSBORO WESTERN URBAN LOOP OVER LAWDALE DRIVE BETWEEN SR 2347 AND SR 1001 LEFT LANES		SHEET NO. <b>S3-2</b>
	Michael Baker Engineering 8000 Regency Parkway, Suite 600 Cary, North Carolina 27518 NC License No.: F-1084		REVISIONS		TOTAL SHEETS <b>35</b>
		NO. <b>1</b> BY: <b>1</b> DATE:	NO. <b>3</b> BY: <b>3</b> DATE:		
		NO. <b>2</b> BY: <b>2</b> DATE:	NO. <b>4</b> BY: <b>4</b> DATE:		