

BENT No. 1
FOOTING DIMENSION AND PILE LAYOUT
ARE TYPICAL FOR EACH FOOTING
FOUNDATION LAYOUT

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 105 TONS PER PILE. PILES AT BENT 1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 145 TONS PER PILE.

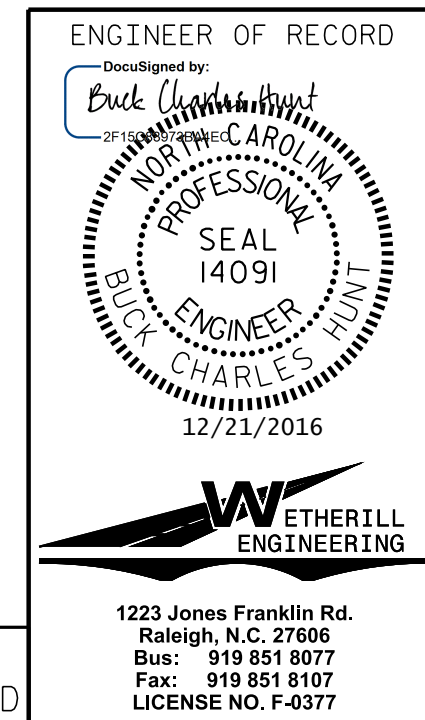
DRIVE PILES AT END BENT NO.1 TO A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE. DRIVE PILES AT END BENT NO.2 TO A REQUIRED DRIVING RESISTANCE OF 300 TONS PER PILE. THE REQUIRED DRIVING RESISTANCE AT END BENT NO. 2 INCLUDES ADDITIONAL RESISTANCE FOR DOWNDRAW. DRIVE PILES AT BENT NO.1 TO A REQUIRED DRIVING RESISTANCE OF 195 TONS PER PILE.

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

OBSERVE A 1 MONTH WAITING PERIOD AT END BENT NO.1 AND 3 MONTH WAITING PERIOD AT END BENT NO.2 AFTER CONSTRUCTING THE EMBANKMENT TO WITHIN 2 FEET OF FINISHED GRADE BEFORE BEGINNING CONSTRUCTION AT END BENT NO.1 AND END BENT NO.2. FOR BRIDGE WAITING PERIODS, SEE ROADWAY PLANS AND SPECIAL PROVISIONS.

SEE ROADWAY PLANS AND SPECIAL PROVISIONS FOR THE SETTLEMENT GAUGES REQUIRED AT END BENT NO.1 AND END BENT NO. 2.

PROJECT NO. R-5311A
HERTFORD COUNTY
STATION: 50+99.00 -Y2-
SHEET 2 OF 3



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
BRIDGE ON SR 1213
OVER NC 11 BETWEEN
SR SR 1131 & SR 1215

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.
1			3			TOTAL SHEETS
2			4			61

DRAWN BY : D. HODGE DATE : 3/16
CHECKED BY : B.C. HUNT DATE : 10/16

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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