



INTEGRAL END BENT 1

BENT 1

INTEGRAL END BENT 2

FOUNDATION LAYOUT

NOTES:

- FOR DRILLED PIERS, SEE GEOTECHNICAL SPECIAL PROVISIONS AND SECTION 411 OF THE STANDARD SPECIFICATIONS.
- DRILLED PIERS AT BENT NO.1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 665 TONS PER PIER. CHECK FIELD CONDITIONS FOR THE REQUIRED TIP RESISTANCE OF 120 TSF.
- INSTALL DRILLED PIERS AT BENT NO.1 TO A TIP ELEVATION NO HIGHER THAN 83 FT (LEFT), 80 FT (CENTER), AND 76 FT (RIGHT) AND WITH THE REQUIRED TIP RESISTANCE.
- CSL TUBES ARE REQUIRED AND CSL TESTING MAY BE REQUIRED FOR DRILLED PIERS. THE ENGINEER WILL DETERMINE THE NEED FOR CSL TESTING. FOR CSL TESTING, SEE SECTION 411 OF THE STANDARD SPECIFICATIONS.
- SID INSPECTIONS MAY BE REQUIRED FOR DRILLED PIERS. THE ENGINEER WILL DETERMINE THE NEED FOR SID INSPECTIONS. FOR SID INSPECTIONS, SEE SECTION 411 OF THE STANDARD SPECIFICATIONS.
- FOR PILES, SEE GEOTECHNICAL SPECIAL PROVISIONS AND SECTION 450 OF THE STANDARD SPECIFICATIONS.
- PILES AT END BENT NO.1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 110 TONS PER PILE.
- PILES AT END BENT NO.2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 120 TONS PER PILE.
- DRIVE PILES AT END BENT NO.1 TO A REQUIRED DRIVING RESISTANCE OF 185 TONS PER PILE.
- DRIVE PILES AT END BENT NO.2 TO A REQUIRED DRIVING RESISTANCE OF 200 TONS PER PILE.

DIMENSIONS LOCATING PILES AND DRILLED PIERS ARE SHOWN TO THE PILE AND DRILLED PIER CENTERLINES.  
 ALL PILES ARE VERTICAL.

PROJECT NO. U-3330  
NASH COUNTY  
 STATION: 18+22.61 -Y1- =  
43+04.76 -L-  
 SHEET 2 OF 4

DRAWN BY : C. E. MAYHEW DATE : 4-22-16  
 CHECKED BY : A. H. SHARPE DATE : 9-07-16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH <b>GENERAL DRAWING</b> FOR BRIDGE ON US 64 BUSINESS OVER US 301 BYPASS BETWEEN SR 1770 & SR 1836 RIGHT LANES	REVISIONS		SHEET NO. S2-2
	DocuSigned by: <i>Bradley J. Bell</i> 1/27/2017				TOTAL SHEETS 39
	<b>Michael Baker INTERNATIONAL</b>		Michael Baker Engineering 8000 Regency Parkway, Suite 600 Cary, North Carolina 27518 NC License No.: F-1084	NO. BY: DATE: NO. BY: DATE:	NO. BY: DATE: NO. BY: DATE: