

FOUNDATION NOTES

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 95 TONS PER PILE.

DRIVE PILES AT END BENT NO.1 TO A REQUIRED DRIVING RESISTANCE OF 160 TONS PER PILE.

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 375 TONS PER PILE. CHECK FIELD CONDITIONS FOR THE REQUIRED TIP RESISTANCE OF 30 TSF.

DRILLED PIERS AT BENT NO.2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 390 TONS PER PILE. CHECK FIELD CONDITIONS FOR THE REQUIRED TIP RESISTANCE OF 30 TSF.

INSTALL DRILLED PIERS AT BENT NO.1 TO A TIP ELEVATION NO HIGHER THAN 931 FT AND WITH THE REQUIRED TIP RESISTANCE.

INSTALL DRILL PIERS AT BENT NO.2 TO A TIP ELEVATION NO HIGHER THAN 948 FT AND WITH THE REQUIRED TIP RESISTANCE.

THE SCOUR CRITICAL ELEVATION FOR BENT NO.1 IS ELEVATION 948 FT. SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE PROBLEMS DURING THE LIFE OF THE STRUCTURE.

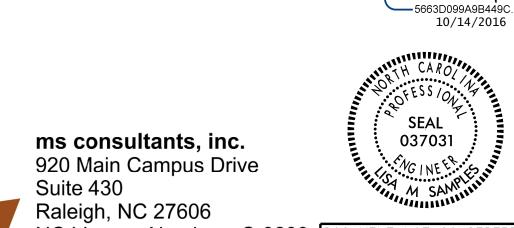
THE SCOUR CRITICAL ELEVATION FOR BENT NO.2 IS ELEVATION 954 FT. SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE PROBLEMS DURING THE LIFE OF THE STRUCTURE

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 SPECIFICAION..

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.

DO NOT USE SLURRY CONSTRUCTION FOR DRILLED PIERS AT BENT NO.1 AND BENT NO.2.

THE SPREAD FOOTINGS AT END BENT NO.2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 10 TSF. CHECK FIELD CONDITIONS FOR THE REQUIRED RESISTANCE OF 25 TSF JUST BEFORE PLACING CONCRETE.



PROJECT NO. B-5398 BURKE COUNTY STATION: 16+45.00 -L-

SHEET 2 OF 3

DocuSigned by:

Lie M. Douples

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

FOUNDATION LAYOUT

FOR BRIDGE ON SR 1803 OVER HENRY FORK RIVER BETWEEN SR 1818 & SR 1808

REVISIONS					SHEET NO.
BY:	DATE:	NO.	BY:	DATE:	S-02
		3			TOTAL SHEETS
		4			24

NC License Number: C-3239 DOCUMENT NOT CONSIDERED 1 FINAL UNLESS ALL SIGNATURES COMPLETED 2

J.M. KEPICH . DATE : <u>02/16</u> DRAWN BY : _ DATE : <u>04/16</u> L.M. SAMPLES CHECKED BY : ____ DESIGN ENGINEER OF RECORD: L.M. SAMPLES DATE: 05/16