

FOUNDATION LAYOUT

DIMENSIONS LOCATING END BENT AND BENT PILES ARE SHOWN TO CENTERLINE OF PILES. UNLESS OTHERWISE NOTED, ALL STATIONS ARE MEASURED ALONG THE LONG CHORD.

NOTES

PILES AT END BENTS 1 & 2 SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 50 TONS EACH.

PILES AT BENT 1 & 2 SHALL BE DRIVEN TO AN ELEVATION NO HIGHER THAN -15.0 FEET AND SATISFY THE BEARING CAPACITY OF 60 TONS EACH.

WHEN DRIVING PILES, THE MAXIMUM BLOW COUNT SHALL NOT BE EXCEEDED.

THE STEEL PILES AT BENT 1 & 2 SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1076 OF THE STANDARD SPECIFICATIONS. FOR GALVANIZING STEEL PILES, SEE SPECIAL PROVISIONS.

IT HAS BEEN ESTIMATED THAT A HAMMER WITH AN EQUIVALENT RATED ENERGY IN THE RANGE OF 28,310 TO 59,600 FT-LBS PER BLOW WILL BE REQUIRED TO DRIVE THE STEEL PILES. THIS ESTIMATED ENERGY RANGE DOES NOT RELEASE THE CONTRACTOR FROM THE PROVISIONS OUTLINED IN ARTICLE 450-6 OF THE STANDARD SPECIFICATIONS.

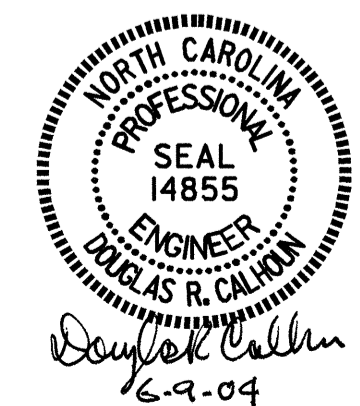
THE SCOUR CRITICAL ELEVATION FOR BENT 1 & 2 IS ELEVATION 2.5 FT. THE SCOUR CRITICAL ELEVATIONS ARE FOR USE BY MAINTENANCE FORCES TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.

PROJECT NO. B-3884
ONSLOW COUNTY
STATION: 14+89.75 -L-

SHEET 2 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**GENERAL DRAWING
FOR BRIDGE OVER
SQUIRES RUN ON
SR 1308 BETWEEN
SR 1309 AND SR 1313**



DRAWN BY : K. McCAULEY DATE : 4/28/03
CHECKED BY : A. MEADOWS DATE : 4/30/03

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS
2			4			23