



### FOUNDATION LAYOUT

DIMENSIONS LOCATING PILES ARE SHOWN TO THE PILE CENTERLINE.  
 BRACE PILES AT END BENTS ARE BATTERED 3 : 12  
 BRACE PILES AT INTERIOR BENTS ARE BATTERED 1/2 : 12

#### FOUNDATION NOTES

PILES FOR END BENT No. 1 AND END BENT No. 2 SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 50 TONS EACH.

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

PILES FOR BENT No. 1, BENT No. 2, AND BENT No. 3 SHALL BE DRIVEN TO AN ELEVATION NO HIGHER THAN -10.000 AND SATISFY A BEARING CAPACITY OF 65 TONS EACH.

THE STEEL PILES AT BENT No. 1, BENT No. 2, AND BENT No. 3 SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1076 OF THE STANDARD SPECIFICATIONS FOR GALVANIZING STEEL PILES, SEE SPECIAL PROVISIONS.

THE SCOUR CRITICAL ELEVATION FOR BENT No. 1, BENT No. 2, AND BENT No. 3 IS 21.000.  
 THE SCOUR CRITICAL ELEVATION IS FOR USE BY MAINTENANCE FORCES TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.

FOR STEEL H PILES, SEE SPECIAL PROVISIONS.

PROJECT NO. B-4027  
BERTIE COUNTY  
 STATION: 18+50.00 -L-

SHEET 2 OF 4

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

### FOUNDATION LAYOUT



DRAWN BY : KEITH D. LAYNE DATE : 7-11-05  
 CHECKED BY : DOUG V. JOYNER DATE : 8-05-05

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