

FOUNDATION NOTES

FOR PILES, SEE SPECIAL PROVISIONS.

THE ALLOWABLE BEARING CAPACITY FOR PILES AT ABUTMENT NO.1 AND ABUTMENT NO.2 IS 75 TONS PER PILE.

DRIVE PILES AT ABUTMENT NO.1 AND ABUTMENT NO.2 TO A REQUIRED BEARING CAPACITY OF 150 TONS PER PILE. THE REQUIRED BEARING CAPACITY IS EQUAL TO THE ALLOWABLE BEARING CAPACITY WITH A MINIMUM FACTOR OF SAFETY OF TWO.

THE ALLOWABLE BEARING CAPACITY FOR PILES AT PIER NO.1 AND PIER NO.2 IS 100 TONS PER PILE.

DRIVE PILES AT PIER NO.1 AND PIER NO.2 TO A REQUIRED BEARING CAPACITY OF 200 TONS PER PILE. THE REQUIRED BEARING CAPACITY IS EQUAL TO THE ALLOWABLE BEARING CAPACITY WITH A MINIMUM FACTOR OF SAFETY OF TWO.

PIPE PILE PLATES ARE REQUIRED FOR PIPE PILES AT PIER NO.1 AND PIER NO.2. USE PIPE PILE PLATES WITH A DIAMETER EQUAL TO THE PIPE PILE DIAMETER.

TESTING THE FIRST PRODUCTION PILE AT ABUTMENT NO.1 AND ABUTMENT NO.2 WITH THE PDA DURING DRIVING, RESTRIKING OR REDRIVING IS REQUIRED. FOR PDA TESTING, SEE SPECIAL PROVISIONS.

TESTING THE FIRST PRODUCTION PILE AT PIER NO.1 AND PIER NO.2 WITH THE PDA DURING DRIVING, RESTRIKING OR REDRIVING IS REQUIRED. FOR PDA TESTING, SEE SPECIAL PROVISIONS.

GROUNDWATER WAS FOUND TO BE ABOVE THE BOTTOM OF FOOTING ELEVATIONS AT PIER NO. 1 AND PIER NO.2 AT THE TIME OF SUBSURFACE INVESTIGATION. THE CONTRACTOR SHALL USE A WELL POINT DEWATERING SYSTEM, APPROPRIATELY DESIGNED SHEET PILING COFFERDAM WITH GRAVEL BED AND SUMP PUMP, OR OTHER APPROPRIATE MEASURES AS NEEDED TO SAFELY CONSTRUCT THE FOOTING IN A DRY CONDITION. THE COSTS ASSOCIATED WITH THE ABOVE MENTIONED OPTIONS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE FOUNDATION EXCAVATION.

DO NOT DRIVE PILES AT ABUTMENT NO.1 OR PIER NO.1 UNTIL AFTER OBSERVING A 3 MONTH WAITING PERIOD BEGINNING WHEN FILL AND SURCHARGE HAVE BEEN PLACED AS SHOWN IN RAIL PLANS FOR A MINIMUM DISTANCE OF 250 FT FROM ABUTMENT 1. SEE RAIL PLANS AND SURCHARGE SPECIAL PROVISION FOR SURCHARGE DETAILS.

DO NOT DRIVE PILES AT ABUTMENT NO.2 OR PIER NO.2 UNTIL AFTER OBSERVING A 3 MONTH WAITING PERIOD BEGINNING WHEN FILL AND SURCHARGE HAVE BEEN PLACED AS SHOWN IN RAIL PLANS FOR A MINIMUM DISTANCE OF 250 FT FROM ABUTMENT 2. SEE RAIL PLANS AND SURCHARGE SPECIAL PROVISION FOR SURCHARGE DETAILS.

FOUNDATION LAYOUT

NOTES:

ALL DIMENSIONS ARE PARALLEL OR NORMAL TO @ PIERS AND FRONT FACES OF BACKWALL.

INDICATES HP 12x53 PILE TO BE BATTERED 3:12 IN DIRECTION SHOWN.

ALL PILE DIMENSIONS ARE TO CENTERS OF PILES AT BOTTOM OF ABUTMENTS OR PIER FOOTINGS.

FOR FOUNDATION ELEVATIONS AND DETAILS, SEE PIER AND ABUTMENT DETAILS.

U.N.O. = UNLESS NOTED OTHERWISE.

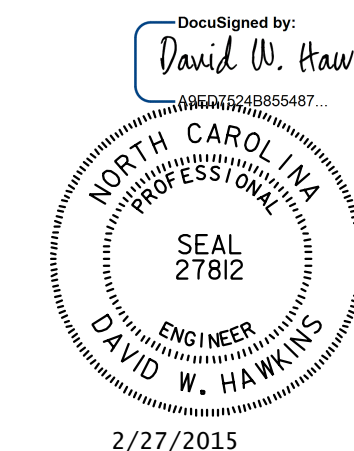
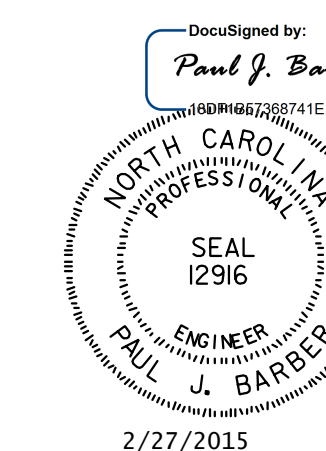
PROJECT NO. P-4900A

ROBESON COUNTY

STATION: POC 38+93.36 -L-

MILE POST: 0.55

SHEET 2 OF 4



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
GENERAL DRAWING
FOUNDATION LAYOUT

HNTB		HNTB NORTH CAROLINA, P.C. License No. C-1554 343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609		REVISIONS		SHEET NO.
DRAWN BY	J. BAYNE	DATE	10/14	NO.	3	S-21
CHECKED BY	D. RAGAN	DATE	10/14	NO.	4	
DWG. NO. 2						TOTAL SHEETS
						54