

**NOTES:**

- FOR PILES, SEE GEOTECHNICAL SPECIAL PROVISIONS AND SECTION 450 OF THE STANDARD SPECIFICATIONS.
- PILES AT END BENTS NO.1 AND 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 100 TONS PER PILE.
- DRIVE PILES AT END BENTS NO.1 AND 2 TO A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE.
- OBSERVE A ONE MONTH WAITING PERIOD AFTER CONSTRUCTING THE MSE WALLS AND BEFORE DRIVING PILES AT END BENTS NO.1 AND 2. FOR BRIDGE WAITING PERIODS, SEE ROADWAY PLANS AND SPECIAL PROVISIONS.
- FOR WAITING PERIODS, SEE SECTION 235 OF THE STANDARD SPECIFICATIONS AND THE SURCHARGE AND WAITING PERIODS PROVISION.
- TESTING PILES WITH THE PDA DURING DRIVING, RESTRIKING OR REDRIVING MAY BE REQUIRED. THE ENGINEER WILL DETERMINE THE NEED FOR PDA TESTING. FOR PDA TESTING, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
- PILE SLEEVES AT END BENTS NO.1 AND 2 ARE TO BE PLACED DURING CONSTRUCTION IN THE REINFORCED BACKFILL OF THE MSE WALLS. SEE MSE WALL PLANS.
- PILES AT END BENTS NO.1 AND 2 ARE TO BE DRIVEN AFTER CONSTRUCTION AND RELEASE OF THE MSE WALLS PENDING THE SETTLEMENT MONITORING PROGRAM.
- THE MSE WALL MAY NEED TO BE INSTALLED USING TWO-STAGED CONSTRUCTION TECHNIQUES, TO ALLOW THE SETTLEMENT TO OCCUR. THE ANTICIPATED SETTLEMENT WAS APPROXIMATELY 3.5-INCHES FOR BOTH END BENTS NO.1 AND 2.

\* END BENT NO.2 PILES LOCATED NEAR THE EXISTING FOOTING CAN BE SHIFTED TO AVOID INTERFERENCE. PILE SPACING NOT TO EXCEED 8'-6". THE CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING FOOTINGS BEFORE DRIVING NEW PILES.

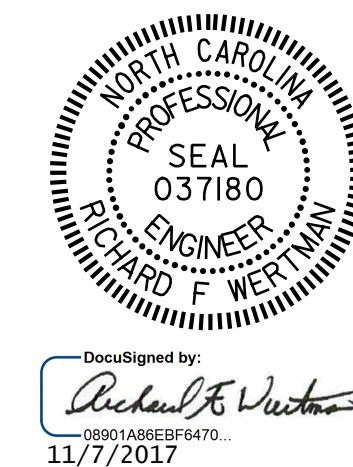
**FOUNDATION LAYOUT**

DIMENSIONS LOCATING PILES ARE SHOWN TO PILE CENTERLINE.

DRAWN BY : J.A. BOYER DATE : 09/25/17  
 CHECKED BY : R.F. WERTMAN DATE : 10/09/17  
 DESIGN ENGINEER OF RECORD : R.F. WERTMAN DATE : 11/06/17

PLANS PREPARED BY:  
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PROJECT NO. 41665.7A  
CUMBERLAND COUNTY  
 STATION: 21+57.23 -L-  
109+69.94 -L2-

SHEET 2 OF 3

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
GENERAL DRAWING BRIDGE ON US 301 OVER I-95 BUSINESS LOOP SBL BETWEEN I-95 BUSINESS OFF RAMP AND I-95 BUSINESS					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
TOTAL SHEETS					24