

FOUNDATION NOTES:

1. PILES AT END BENT NO.1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 130 TONS PER PILE.
2. PILES AT END BENT NO.2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 130 TONS PER PILE.
3. DRIVE PILES AT END BENT 1 TO A REQUIRED RESISTANCE OF 217 TONS PER PILE.
4. DRIVE PILES AT END BENT 2 TO A REQUIRED RESISTANCE OF 217 TONS PER PILE.
5. IT HAS BEEN ESTIMATED THAT A HAMMER WITH AN EQUIVALENT RATED ENERGY IN THE RANGE OF 51,000 TO 89,000 FT-LBS PER BLOW WILL BE REQUIRED TO DRIVE PILES AT END BENTS 1 AND 2. THIS DOES NOT RELEASE THE CONTRACTOR FROM PROVIDING EQUIPMENT IN ACCORDANCE WITH SUBARTICLE 450-3(D)-2 OF THE STANDARD SPECIFICATIONS.
6. TESTING THE FIRST PRODUCTION PILE WITH PDA DURING DRIVING, RESTRIKING OR REDRIVING IS REQUIRED. FOR PDA TESTING, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
7. FOR PILES, SEE GEOTECHNICAL SPECIAL PROVISIONS AND SECTION 450 OF THE STANDARD SPECIFICATIONS.
8. OBSERVE A 2 MONTHS WAITING PERIOD AFTER CONSTRUCTING THE EMBANKMENT WITHIN 2 FEET OF THE FINISHED GRADE BEFORE END BENT CONSTRUCTION AT END BENT 1 AND 2.

END BENT 1

END BENT 2

FOUNDATION LAYOUT

(DIMENSIONS LOCATING PILES ARE TO THE PILE CENTERLINE AT BOTTOM OF THE CAP)

PROJECT NO. U-4751

NEW HANOVER COUNTY

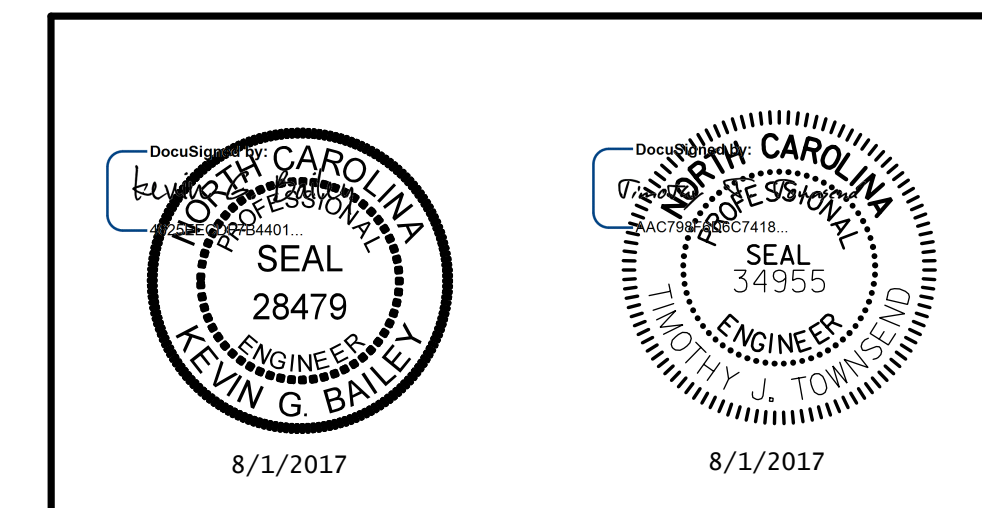
STATION: 62+99.10 -L-

14+79.99 -Y2-

SHEET 2 OF 3

LEGEND

- H HP 12x53 VERTICAL PILE @ END BENTS
- ⌄ HP 12x53 BRACE PILE 3H:12V @ END BENTS



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

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-2
1			3			TOTAL SHEETS
2			4			30

DRAWN BY : <u>TJT</u>	DATE : <u>3-17</u>	DESIGN ENGINEER OF RECORD: <u>T. TOWNSEND</u>	DATE : <u>3-17</u>
CHECKED BY : <u>TRL</u>	DATE : <u>5-17</u>		



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