

INTEGRAL END BENT 1

INTEGRAL END BENT 2

FOUNDATION LAYOUT

DIMENSIONS LOCATING THE PILES ARE SHOWN TO THE PILE CENTERLINE AT THE BOTTOM OF THE CAP.

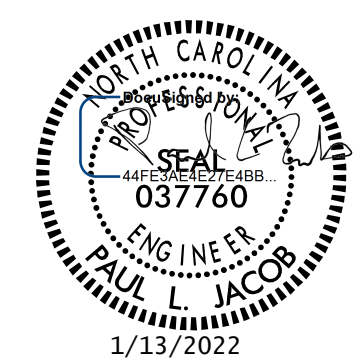
FOUNDATION NOTES:

- FOR PILES, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
- PILES AT END BENT NO. 1 AND END BENT NO. 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 120 TONS PER PILE.
- DO NOT DRIVE PILES AT END BENT NO. 1 OR END BENT NO. 2 IF BOTTOM OF DRILLED HOLES ARE IN NON-CRYSTALLINE ROCK. IF PILE DRIVING IS REQUIRED, DRIVE THE PILES TO A REQUIRED DRIVING RESISTANCE OF 200 TONS PER PILE.
- INSTALL PILES AT END BENT NO. 1 AND END BENT NO. 2 TO A MINIMUM ELEVATION OF 10 FEET BELOW THE TOP OF THE RETAINING WALL LEVELING PAD.
- DRILLED-IN PILES ARE REQUIRED FOR INTEGRAL END BENT NO. 1 AND INTEGRAL END BENT NO. 2. EXCAVATE HOLES AT PILE LOCATIONS TO A MINIMUM ELEVATION OF 10 FEET BELOW THE TOP OF THE RETAINING WALL LEVELING PAD. FILL THE BOTTOM 3 FT OF HOLES FOR PILE EXCAVATION WITH CONCRETE OR GROUT AND THE REST OF HOLES WITH CLASS II OR III SELECT MATERIAL THAT MEETS SECTION 1016 OF THE STANDARD SPECIFICATIONS. FOR PILE EXCAVATION, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
- INSTALL PILES AT END BENT NO. 1 AND END BENT NO. 2 BEFORE CONSTRUCTING RETAINING WALLS.
- PILE EXCAVATION FOR PILES AT END BENT NO. 1 AND END BENT NO. 2 SHOULD BE PERFORMED AFTER EXCAVATION FOR THE MSE WALLS DOWN TO THE ELEVATION OF THE LEVELING PAD.

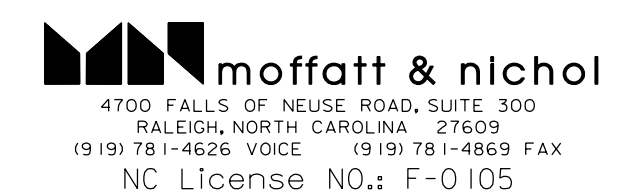
PROJECT NO. B-5737
ROCKINGHAM COUNTY
 STATION: 20+86.07 -L-
 SHEET 2 OF 4

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

FOUNDATION LAYOUT



DRAWN BY : J. LOFTUS DATE : 03-2021
 CHECKED BY : P. JACOB DATE : 07-2021
 DESIGN ENGINEER OF RECORD: J. LOFTUS DATE : 04-2021



DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			29
2			4			

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 P. Jacob