

END BENT 1

NOTES:

ALL DIMENSIONS ARE PARALLEL OR NORMAL TO & BENTS AND FILL FACES. FOR FOUNDATION ELEVATIONS AND DETAILS, SEE BENT AND END BENT DETAILS. ALL PILE DIMENSIONS ARE TO & OF PILES.

FOUNDATION NOTES:

FOR PILES, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

PILES AT END BENT NO.1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 93 TONS PER PILE. DRIVE PILES AT END BENT NO.1 TO A REQUIRED DRIVING RESISTANCE OF 155 TONS PER PILE. FOR DRILLED PIERS, SEE SECTION 411 OF THE STANDARD SPECIFICATIONS.

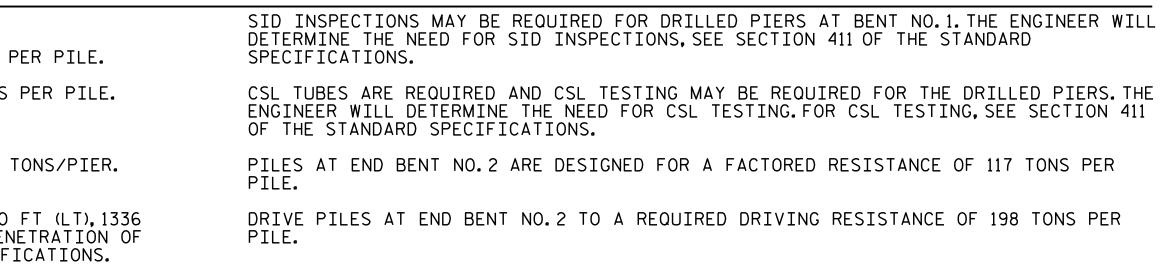
DRILLED PIERS AT BENT NO.1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 740 TONS/PIER. CHECK FIELD CONDITIONS FOR THE REQUIRED TIP RESISTANCE OF 200 TSF.

INSTALL DRILLED PIERS AT BENT NO.1 TO A TIP ELEVATION NO HIGHER THAN 1340 FT (LT),1336 FT (CT), AND 1336 FT (RT), SATISFY THE REQUIRED TIP RESISTANCE, AND HAVE A PENETRATION OF AT LEAST 9 FT INTO ROCK AS DEFINED BY ARTICLE 411-1 OF THE STANDARD SPECIFICATIONS.

DRAWN BY :	N. ROHRBAUGH	DATE : 05/2021
CHECKED BY :	A.FORFA	DATE : 06/2021
DESIGN ENGINEER	R OF RECORD :A.FORFA	DATE : 09/2021

BENT 1

FOUNDATION LAYOUT





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	PROJECT NO. <u>BR-0033</u> <u>McDOWELL</u> COUNTY STATION: 16+11.51 -L-			
SHEET 2 OF 3				
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH				
CARO	GENERAL DRAWING			
SEAL 042449	FOUNDATION LAYOUT			
19 Olexander Forfa <u>11/23/2021</u>	REVISIONS SHEET NO.			
A231624370F34B0	REVISIONS SHEET NO. NO. BY: DATE: NO. BY: DATE: S-2			
FINAL UNLESS ALL SIGNATURES COMPLETED	1 3 TOTAL 2 4 32			