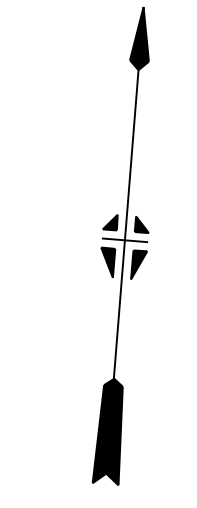
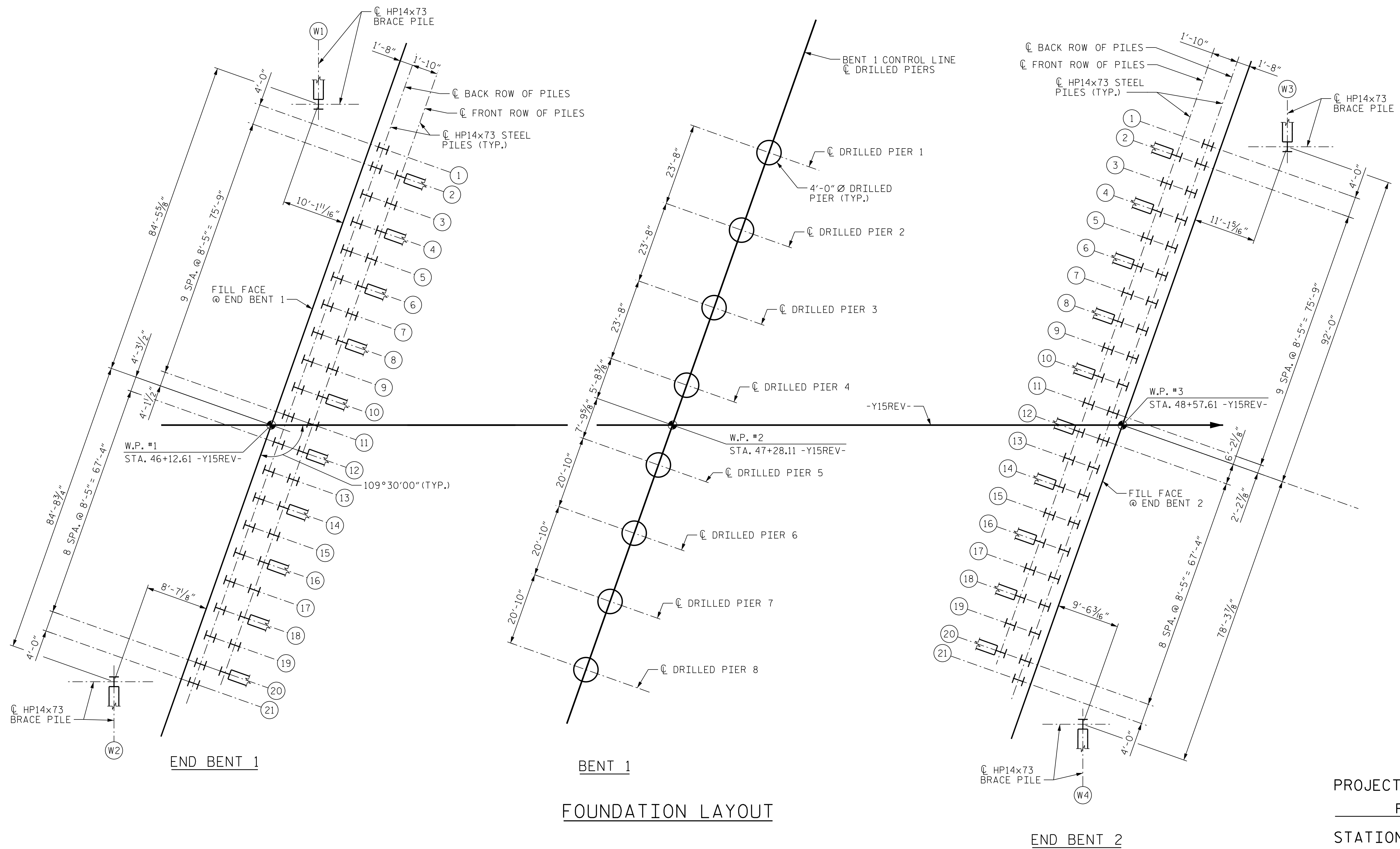


PLOT DRIVER: NCDOT... PENTABLE: NCDOT STRUCTURES DEFAULT PEN.tbl
USER: PPRET0... DATE: 10/14/2021
FILE: ...GENERAL DRAWING FO



FOUNDATION LAYOUT

NOTES

FOR PILES, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

PILES AT END BENT NO.1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 100 TONS PER PILE.

DRIVE PILES AT END BENT NO.1 TO A REQUIRED DRIVING RESISTANCE OF 170 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 863 TONS PER PIER. CHECK FIELD CONDITIONS FOR THE REQUIRED TIP RESISTANCE OF 155 TSF.

INSTALL DRILLED PIERS AT BENT NO.1 TO A TIP ELEVATION NO HIGHER THAN 838.4 FT (PIER 1), 837.5 FT (PIER 2), 839.3 FT (PIER 3), 840.5 FT (PIER 4), 839.0 FT (PIER 5), 836.4 FT (PIER 6), 828.4 FT (PIER 7), AND 832.5 FT (PIER 8) WITH THE REQUIRED TIP RESISTANCE AND A PENETRATION OF AT LEAST 8 FT INTO ROCK AS DEFINED BY ARTICLE 411-1 OF THE STANDARD SPECIFICATIONS.

CSL TUBES ARE REQUIRED AND CSL TESTING MAY BE REQUIRED FOR DRILLED PIERS. THE ENGINEER WILL DETERMINE THE NEED FOR CSL TESTING. FOR CSL TESTING, SEE SECTION 411 OF THE STANDARD SPECIFICATIONS.

PILES AT END BENT NO.2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 100 TONS PER PILE.

DRIVE PILES AT END BENT NO.2 TO A REQUIRED DRIVING RESISTANCE OF 170 TONS PER PILE.

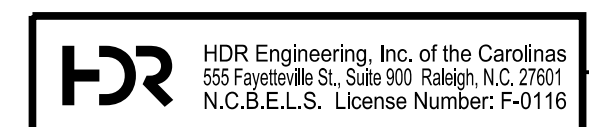
- LEGEND**
- H HP14X73 VERTICAL PILE
 - H HP14X73 BRACE PILE (BATTER 3H:12V)
 - # PILE GROUP NUMBER



10/18/2021

PROJECT NO. U-2579AB
 FORSYTH COUNTY
 STATION: 47+28.33 -Y15REV-
 SHEET 2 OF 4

DES BY: S. NIFONG	DATE: 03/19	DWG BY: B. PETERSON	DATE: 03/19
DES CHK: M. NEIHEISEL	DATE: 03/19	CHK BY: M. NEIHEISEL	DATE: 05/19



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1	--	--	3	--	--
2	--	--	4	--	--

SHEET NO. 503-02	TOTAL SHEETS 61
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