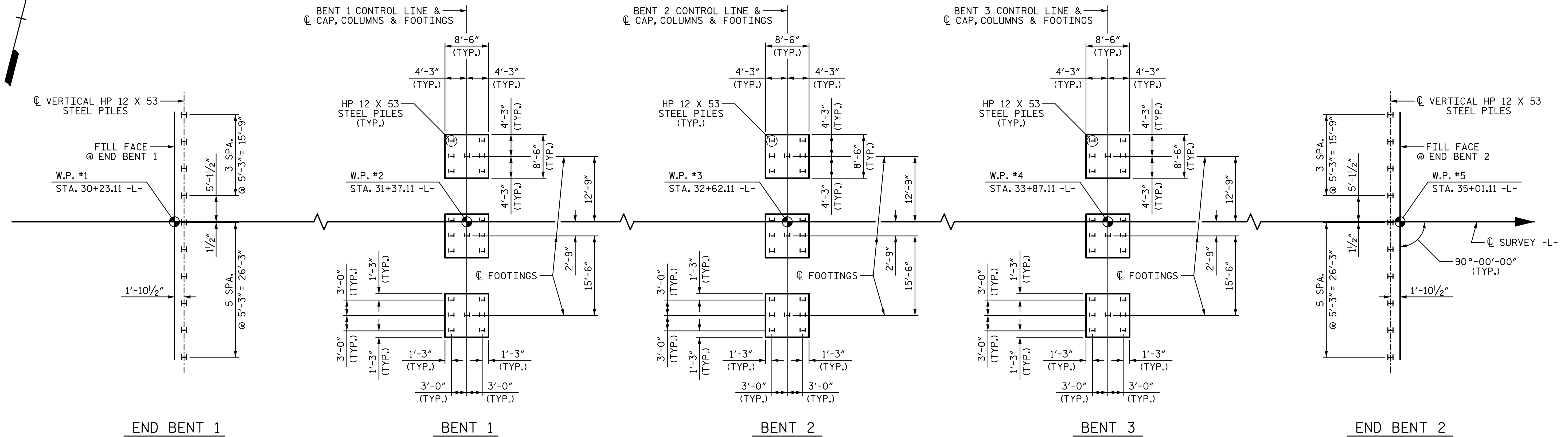


8/25/2022 2:04:48 PM P:\Rail\Projects\2015\Y-4810K (NCDOT Rail)\Structures\Drawings\Final\Y4810K_SMU_GD.dgn



FOUNDATION LAYOUT

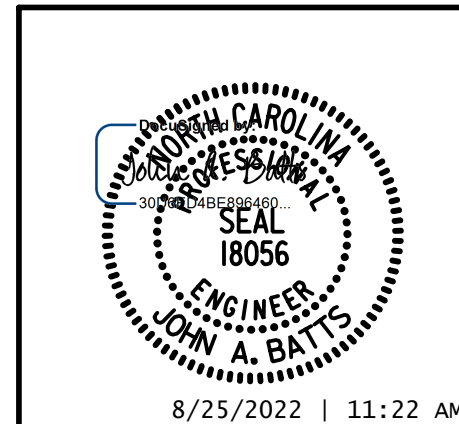
FOUNDATION NOTES:

- FOR PILES, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
- PILES AT END BENT 1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 108 TONS PER PILE.
- DRIVE PILES AT END BENT 1 TO A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE.
- OBSERVE A 2 MONTH WAITING PERIOD AFTER CONSTRUCTING THE EMBANKMENT TO FINISHED GRADE BEFORE BEGINNING END BENT CONSTRUCTION AT END BENT 1. FOR BRIDGE WAITING PERIODS, SEE ROADWAY PLANS AND SECTION 235 OF THE STANDARD SPECIFICATIONS.
- SEE ROADWAY PLANS AND SECTION 235 OF THE STANDARD SPECIFICATIONS FOR THE SETTLEMENT GAUGES REQUIRED AT END BENT 1.
- OBSERVE A 2 MONTH WAITING PERIOD AFTER CONSTRUCTING THE EMBANKMENT, END BENT AND REINFORCED BRIDGE APPROACH FILL, IF APPLICABLE, BEFORE BEGINNING APPROACH SLAB CONSTRUCTION AT END BENT 1. FOR BRIDGE WAITING PERIODS, SEE ROADWAY PLANS AND SECTION 235 OF THE STANDARD SPECIFICATIONS.
- PILES AT BENT 1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 108 TONS PER PILE.
- DRIVE PILES AT BENT 1 TO A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE.
- PILES AT BENT 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 108 TONS PER PILE.
- DRIVE PILES AT BENT 2 TO A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE.
- IF NECESSARY, PREDRILL PILE LOCATIONS AT BENT 2. PREDRILL PILE LOCATIONS TO AN ELEVATION NO LOWER THAN 765 FT. WITH EQUIPMENT THAT WILL RESULT IN A MAXIMUM PREDRILLING DIAMETER OF 12". FOR PREDRILLING FOR PILES, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
- STEEL H-PILE POINTS ARE REQUIRED FOR STEEL H-PILES AT BENT 2. FOR STEEL PILE POINTS, SEE SECTIONS 450 OF THE STANDARD SPECIFICATIONS.
- PILES AT BENT 3 ARE DESIGNED FOR A FACTORED RESISTANCE OF 108 TONS PER PILE.
- DRIVE PILES AT BENT 3 TO A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE.
- STEEL H-PILE POINTS ARE REQUIRED FOR STEEL H-PILES AT BENT 3. FOR STEEL PILE POINTS, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
- PILES AT END BENT 2 ARE DESIGNED FOR A FACTORED REISTANCE OF 108 TONS PER PILE.
- DRIVE PILES AT END BENT 2 TO A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE.

PROJECT NO. Y-4810K
CABARRUS COUNTY
 STATION: 31+94.08 -L-

SHEET 4 OF 6 MILE POST 350.73

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 FOR BRIDGE ON ROGERS LAKE RD.
 OVER US 29A (MAIN ST.), NCRR (NS)
 AND S. RIDGE AVE. BETWEEN
 LOWRANCE AVE. AND MEADOW AVE.



LICENSURE NO. C-4434

DRAWN BY: S.D. COOPER DATE: 2-19
 CHECKED BY: J. A. BATTS DATE: 2-19
 DESIGN ENGINEER OF RECORD: J. A. BATTS DATE: 2-19

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-5
1			3			TOTAL SHEETS
2			4			53

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**