

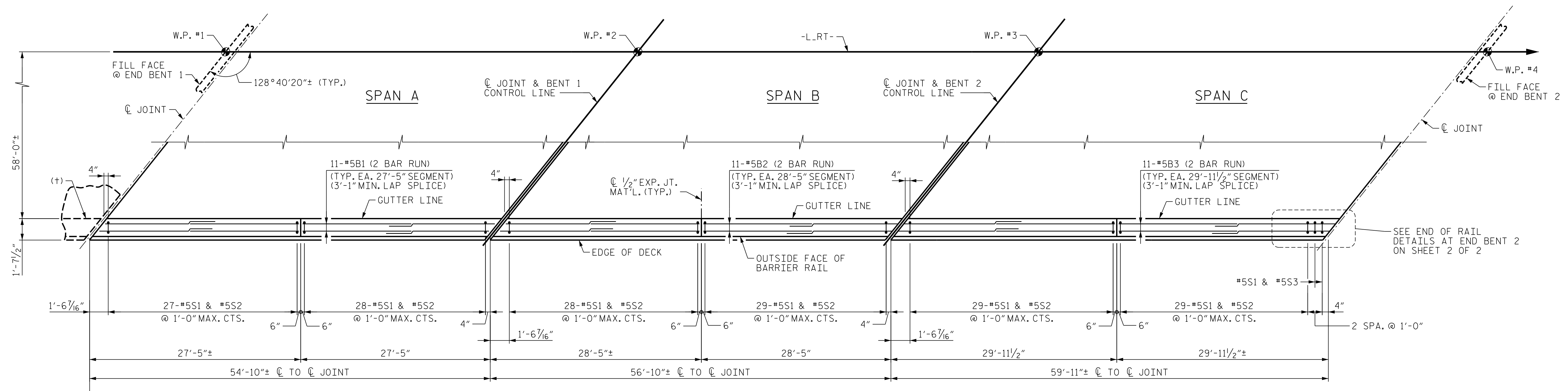
NOTES

THE BARRIER RAIL IN A SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 20 FEET IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 10 FEET IN LENGTH.

THE #5 'S' BARS MAY BE SHIFTED SLIGHTLY AS NECESSARY IN ORDER TO MAINTAIN A 2" MINIMUM CLEARANCE TO THE 1/2" EXPANSION JOINT MATERIAL IN THE BARRIER RAIL.



PLAN OF BARRIER RAIL

(ALL DIMENSIONS MEASURED ALONG BACK FACE OF BARRIER RAIL)

(+) SEE "BRIDGE APPROACH SLAB DETAILS" SHEET 2 OF 3 FOR DETAILS OF BARRIER RAIL TO BE BUILT ON APPROACH SLAB AT END BENT 1

PROJECT NO. B-3186/B-5898

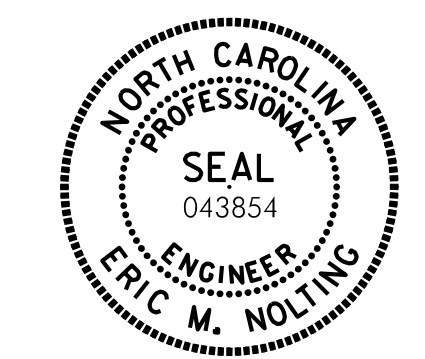
HAYWOOD COUNTY

STATION: 68+65.75 ± -L-RT-

SHEET 1 OF 2

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUPERSTRUCTURE  
CONCRETE BARRIER  
RAIL



Eric Nolting 1/25/2022

PLOT DRIVER: NCDOT\_STRUCTURES\_DEFAULT\_PLOTTER.plt  
PENTABLE: NCDOT\_STRUCTURES\_DEFAULT\_PEN.tbl  
USER: PPEPERSO DATE: 1/24/2022 TIME: 2:39:02 PM  
FILE: ... \404.120.B5898B3186.SMU.BR.025.430107.dgn

DES BY: S. RAVINDRAN	DATE: 06/21	DWG BY: M. SELLS	DATE: 06/21
DES CHK: G. MYERS	DATE: 07/21	CHK BY: G. MYERS	DATE: 07/21



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

SHEET NO. S03R-25  
TOTAL SHEETS 61