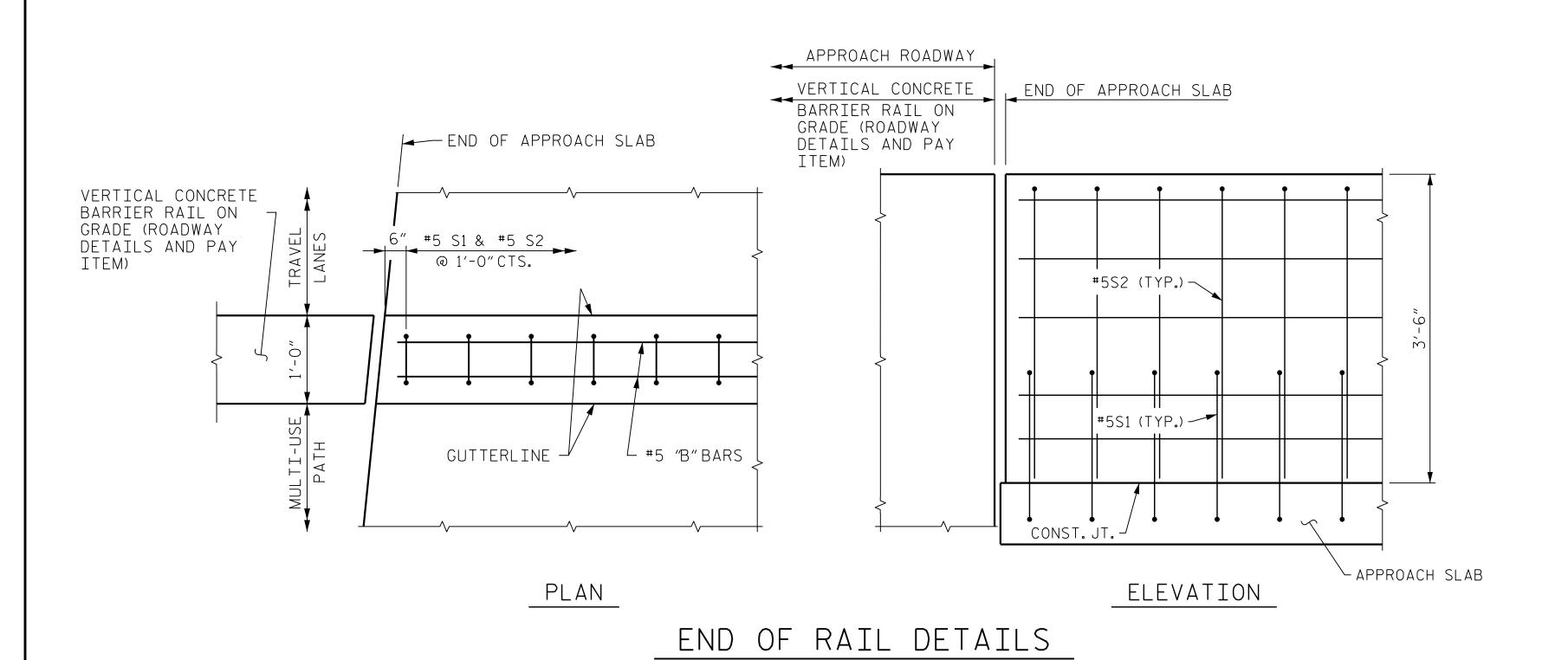
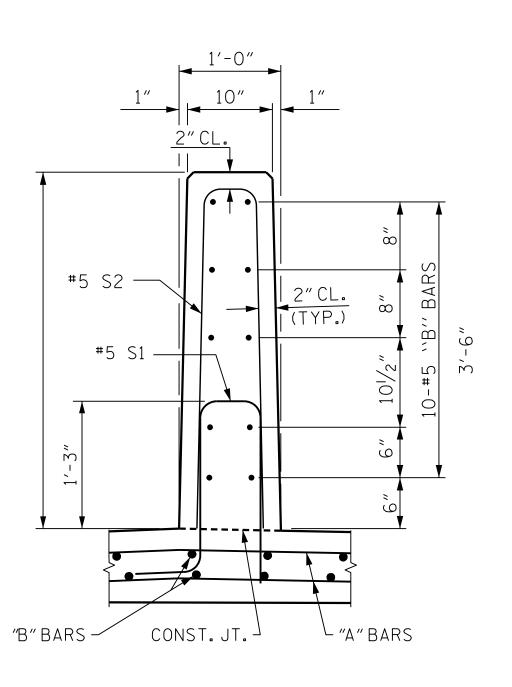


CONST. JT. — (LEVEL)

SECTION S-S AT DAM IN OPEN JOINT (THIS IS TO BE USED ONLY WHEN SLIP FORM IS USED)

BARRIER RAIL DETAILS





SECTION THRU RAIL



NOTES

THE BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE

GROOVED CONTRACTION JOINTS, $\frac{1}{2}$ " 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

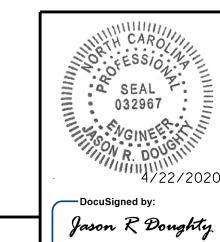
ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

STRENGTH OF 3,000 PSI.

THAN 10 FEET IN LENGTH.

333 FAYETTEVILLE STREET, SUITE 500 RALEIGH, NC 27601 NC LICENSE NO. C-2979

DOCUMENT NOT CONSIDERED FINAL



BAR TYPES 6" |---| **▼** 10″

ALL BAR DIMENSIONS ARE OUT TO OUT

FOR VERTICAL CONCRETE BARRIER RAIL ONL						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGH	
* B1	10	#5	STR	19'-7"	204	
 ₩ B2	70	#5	STR	25′-7″	1868	
 ★ B3	30	#5	STR	24'-7"	769	
* S1	279	#5	1	5′-0″	1455	
* S2	279	#5	2	7′-2″	2085	

* EPOXY COATED		
REINFORCING STEEL	6 , 381	LBS.
CLASS AA CONCRETE	32.94	CU. YDS.
VERTICAL CONCRETE		
BARRIER RAIL	277.14	LIN.FT.

PROJECT NO. R-2233BB RUTHERFORD _ COUNTY 26+65.52 -Y3-STATION:_

> STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD

VERTICAL CONCRETE BARRIER RAIL

REVISIONS SHEET NO. NO. BY: S4-29 DATE: DATE: BY: TOTAL SHEETS 45

B.LOFLIN CHECKED BY: DRAWN BY: MAA 5/10 DESIGN ENGINEER
OF RECORD: J. DOUGHTY CHECKED BY : GM 5/10 _ DATE : <u>NOV 2019</u> MAA/THC

UNLESS ALL SIGNATURES COMPLETED

STR.#4

___ DATE : <u>JULY 2019</u> ___ DATE : <u>JULY 2019</u> __ DATE : <u>AUG 2019</u> DESIGNED BY: C.CORMAN
DRAWN BY: K.WHITE MAA/GM MAA/THC

STD. NO. CBR2