8", 312-#5 S1 & #5 S2

— #5 S1

@ 1'-0"CTS.

1'-0" 8" 8" 312-#5 S1 & #5 S2

PLAN

#5 S2

— GUTTERLINE —

@ 1'-0"CTS.

2'-0"

1'-0"

2'-4"

— 10" PAVEMENT

-FILL FACE

1'-0"

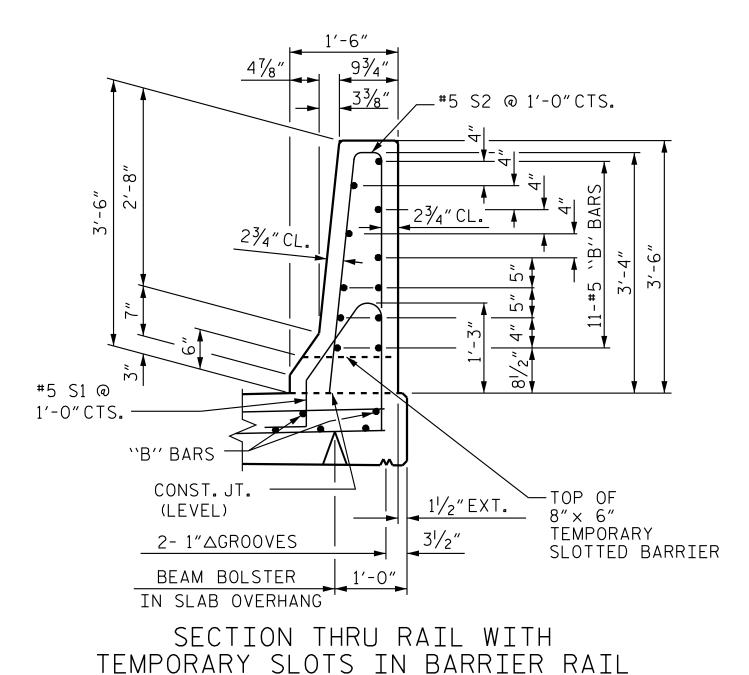
2'-0"

DRAWN BY: ARB 5/87

CHECKED BY : SJD 9/87

NOTCH @

END BENT



## NOTES

TEMPORARY SLOTS MAY BE RE-POSITIONED SLIGHTLY AS NECESSARY TO PROVIDE 1"MINIMUM COVER TO #5 S1 AND #5 S2 BARS.

FOR TRAFFIC PHASING OPERATIONS, SEE TRAFFIC CONTROL PLANS AND SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

PRIOR TO PLACEMENT OF GROUT, ALL TEMPORARY SLOTS SHALL BE THROUGHLY CLEANED AND ALL INTERIOR SURFACES SAND BLASTED TO REMOVE LOOSE MATERIALS AND OTHER CONTAMINANTS.

ONCE TEMPORARY TRAFFIC ON THE BRIDGE HAS BEEN SHIFTED INTO THE FINAL PHASE, TEMPORARY SLOTS IN THE BARRIER RAIL SHALL BE FILLED

NO SEPARATE PAYMENT FOR MATERIALS, LABOR, AND EQUIPMENT REQUIRED TO FILL TEMPORARY SLOTS SHALL BE MADE. ALL COSTS FOR THIS WORK SHALL BE INCIDENTAL TO THE PRICE OF THE CONCRETE BARRIER RAIL.

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

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

Ĺ ½″EXP.JT.MAT′L HELD IN —

PLACE WITH GALVANIZED NAILS.

CONST.JT

(NOTE: OMIT EXP. JT. MAT'L. WHEN SLIP FORM IS USED.)

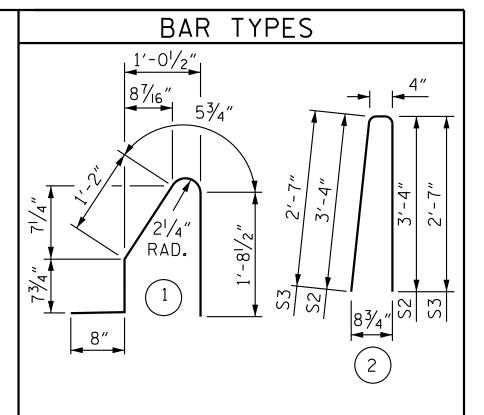
GROOVED CONTRACTION JOINTS,  $\frac{1}{2}$ " IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION 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 THAN 10 FEET IN LENGTH.

CHAMFER

ELEVATION AT EXPANSION JOINTS

BARRIER RAIL DETAILS

¾" | CHAMFER



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

FOR CONCRETE BARRIER RAIL ONLY					
ΔR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	44	#5	STR	18'-9"	861
B2	110	#5	STR	29′-7″	3395
В3	110	<b>#</b> 5	STR	25′-7″	2936
S1	640	#5	1	4′-8″	3116

7′-0″

5′-6″

\* EPOXY COATED

REINFORCING STEEL 14**,**969 LBS 87.0 CU. YDS CLASS AA CONCRETE

CONCRETE BARRIER RAIL 636.67 LIN.FT.

632 #5 2

\* S3 | 8 | #5 | 2 |

CONST. JT.-(LEVEL)

> SECTION S-S AT DAM IN OPEN JOINT

(THIS IS TO BE USED ONLY WHEN SLIP FORM IS USED)

PROJECT NO. R-2707D

CLEVELAND COUNTY

849+00.00 -L-STATION:\_

SHEET 2 OF 2

SEAL

054498

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

STANDARD

CONCRETE BARRIER RAIL

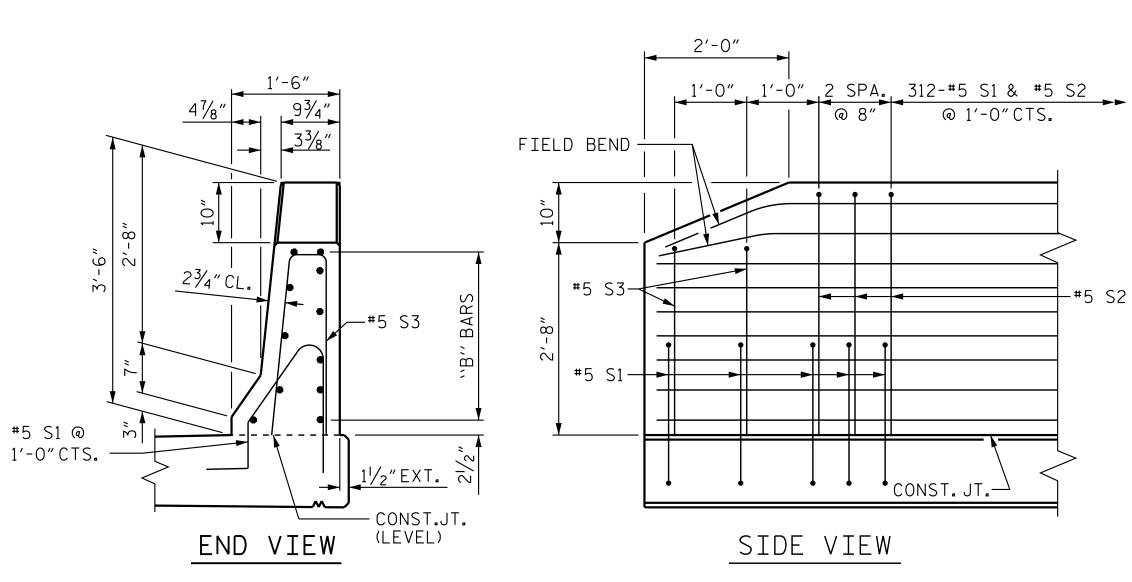
(RIGHT LANE)

SHEET NO. REVISIONS S6-32 DATE: BY: DATE: BY: DOCUMENT NOT CONSIDERED TOTAL SHEETS FINAL UNLESS ALL SIGNATURES COMPLETED

STD. NO. CBR1

PLACE 8"X 6" RECTANGULAR TEMPORARY SLOT IN BARRIER RAIL AS SHOWN IN "BARRIER RAIL" SHEET 1 OF 2. DRAINS MAY BE FORMED. ----<del>--</del>-

TEMPORARY SLOTS IN BARRIER RAIL DETAIL



END OF RAIL DETAILS

Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com Stantec License No. F-0672 ASSEMBLED BY : J.E. HAGENBUSH DATE : 09/28/18 CHECKED BY: S. S. POOLE DATE: 12/10/22

#5 S3

DESIGN
ENGINEER
OF RECORD: S.S. POOLE DATE: 05/10/23 MAA/GM MAA/GM MAA/GM

ALL WORK SHALL BE APPROVED BY THE ENGINEER. WITH A NON-SHRINK, NON-METALLIC GROUT.

RIGHT SIDE AT END BENT 1 SHOWN, LEFT SIDE SIMILAR