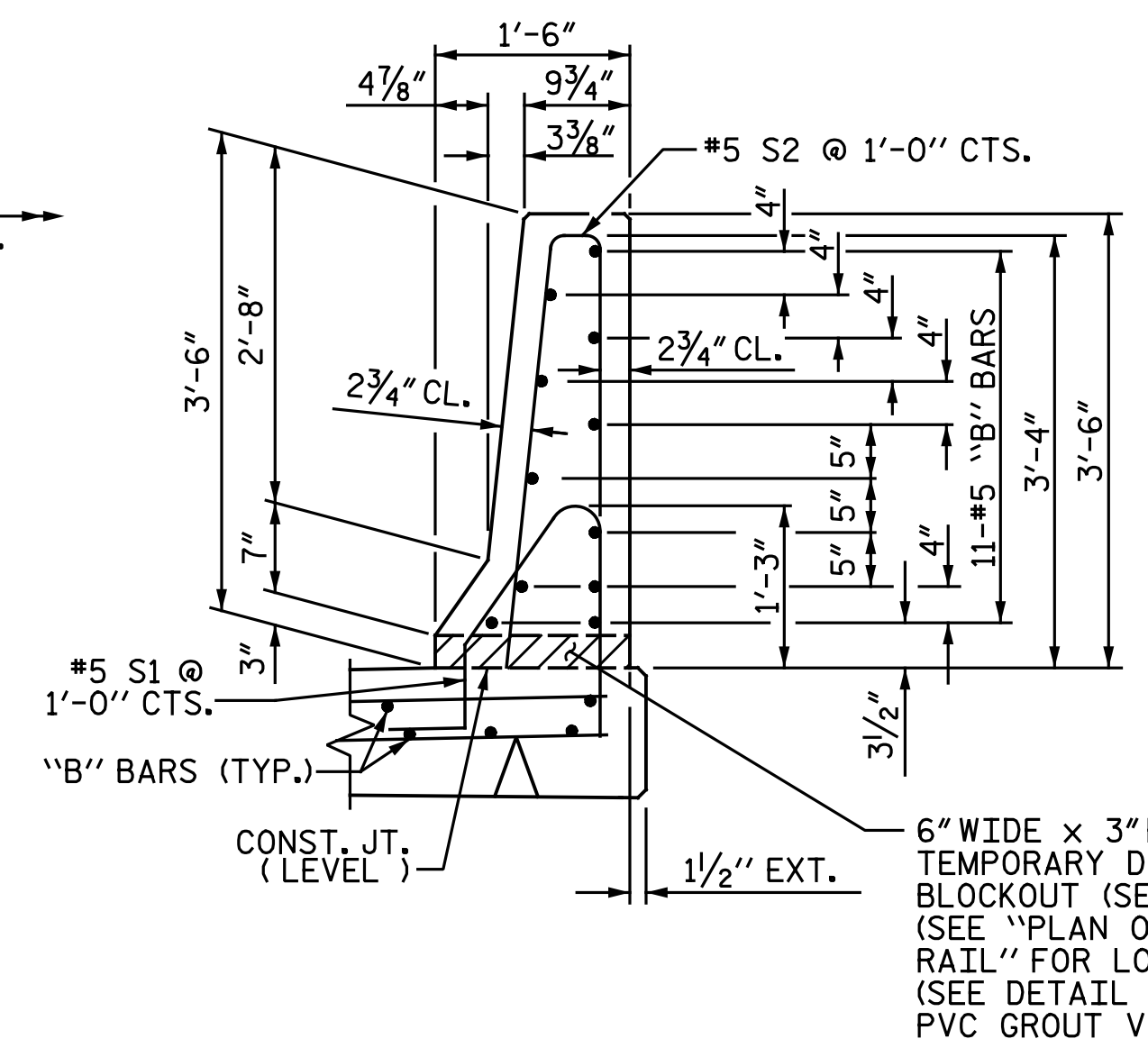
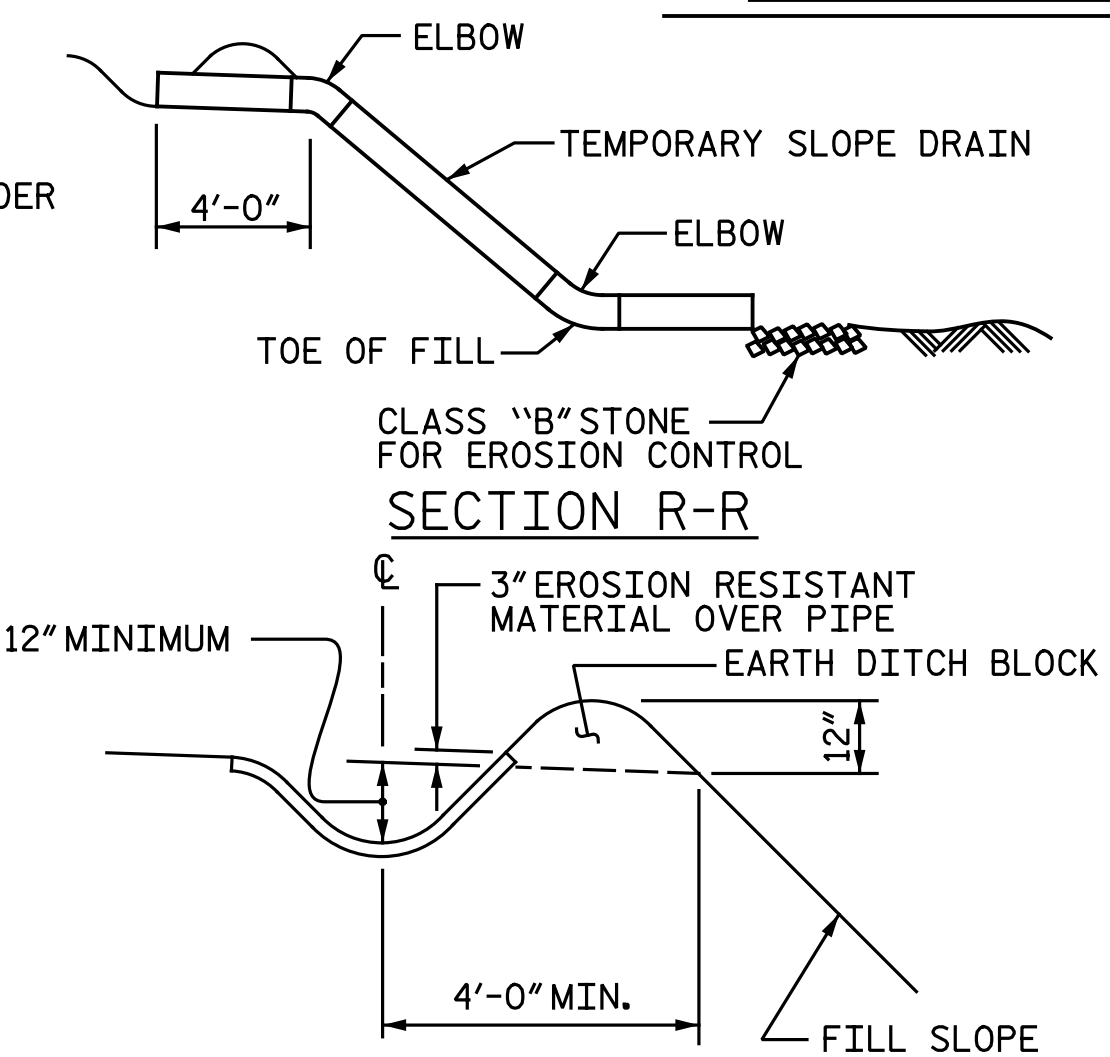
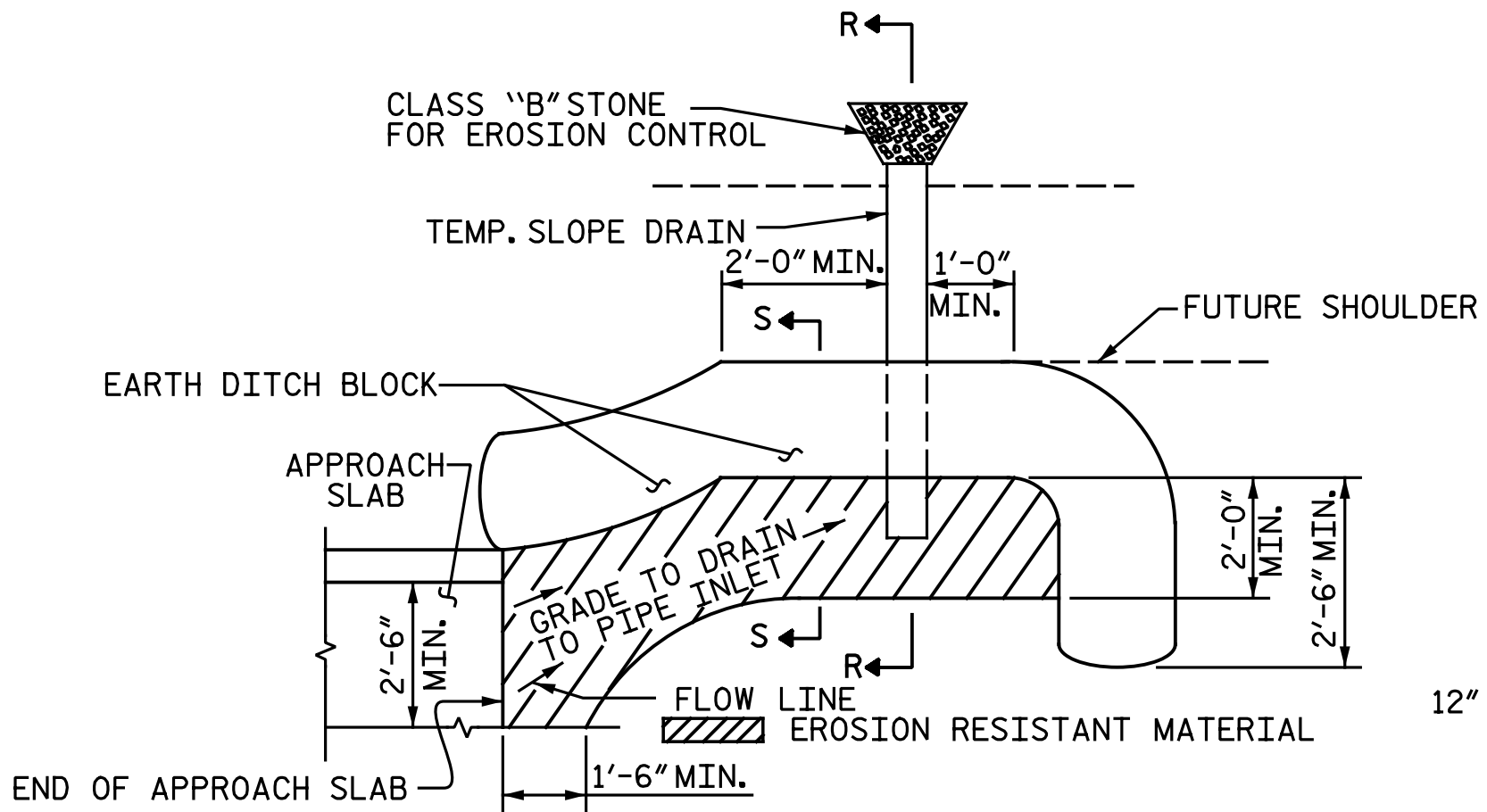


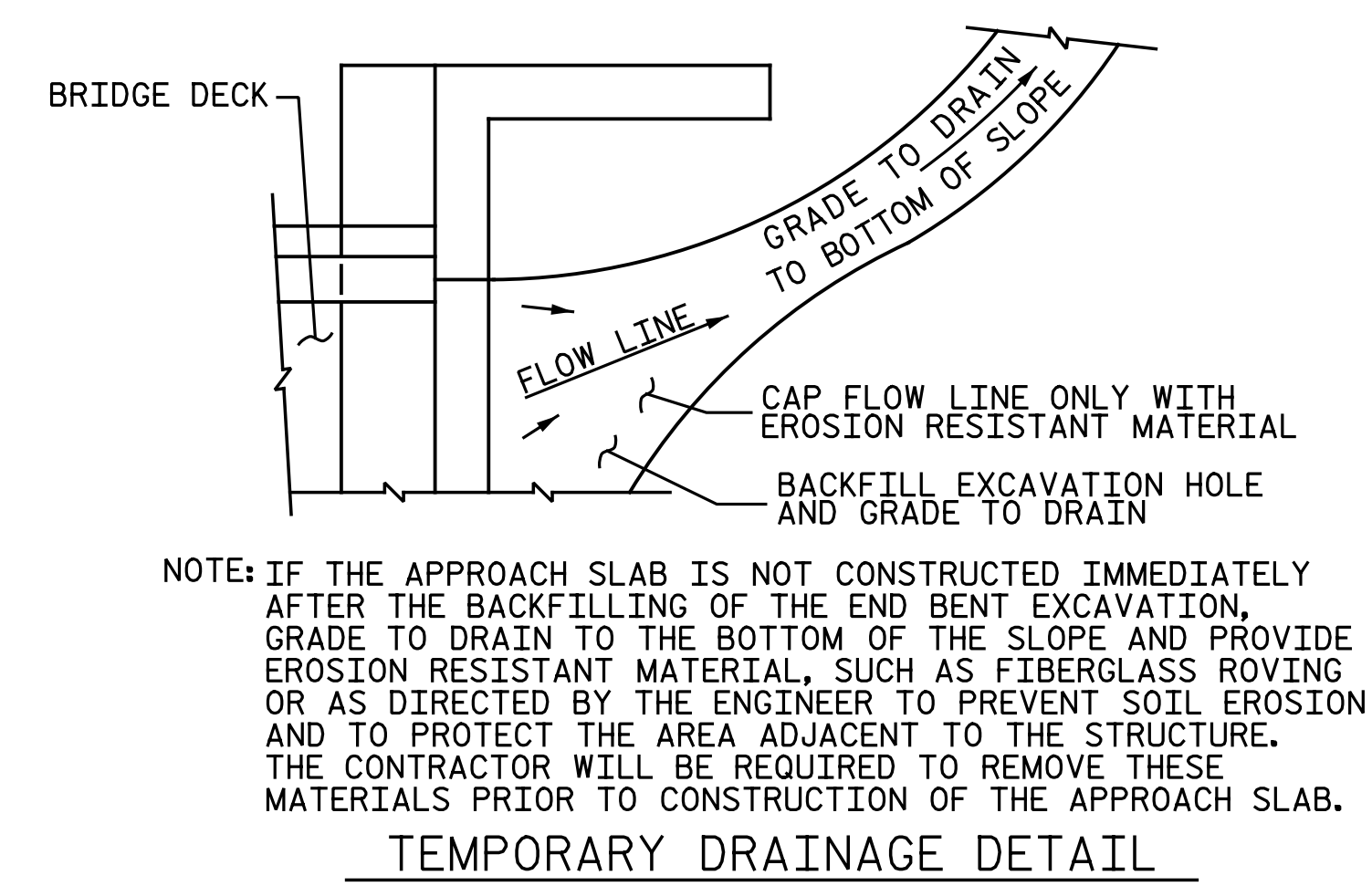
END OF RAIL DETAILS



SECTION THRU RAIL



SECTION S-S



TEMPORARY DRAINAGE DETAIL

NOTE: IMMEDIATELY AFTER THE CONSTRUCTION OF THE APPROACH SLAB, THE CONTRACTOR SHALL PROVIDE TEMPORARY BERM AND SLOPE DRAIN. CONTRACTOR SHALL GRADE TO PIPE INLET AND PROVIDE EROSION RESISTANT MATERIAL AS SHOWN. THE EROSION RESISTANT MATERIAL SHALL BE EITHER 1) ASPHALT PLANT MIX, TYPE 1 OR TYPE 2, MIN. 2" DEPTH, 2) EROSION CONTROL MAT, OR 3) CONCRETE, AS DIRECTED BY THE ENGINEER. THE SLOPE DRAIN SHALL CONSIST OF A NON-PERFORATED TEMPORARY DRAINAGE PIPE, 12 INCHES IN DIAMETER.

PLAN VIEW

TEMPORARY BERM AND SLOPE DRAIN DETAILS

(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)

ASSEMBLED BY : N. B. SPEAKS	DATE : 7-27-19
CHECKED BY : T. M. GARRISON	DATE : 2-4-20
DRAWN BY : FCJ 11/88	REV. 6/13
CHECKED BY : ARB 11/88	REV. 12/17
	REV. 5/18
	MAA/THC
	MAA/THC

NOTES

THE COST OF THE BARRIER RAIL ON THE APPROACH SLAB SHALL BE INCLUDED IN THE LINEAR FOOT CONTRACT PRICE BID FOR "CONCRETE BARRIER RAIL".

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

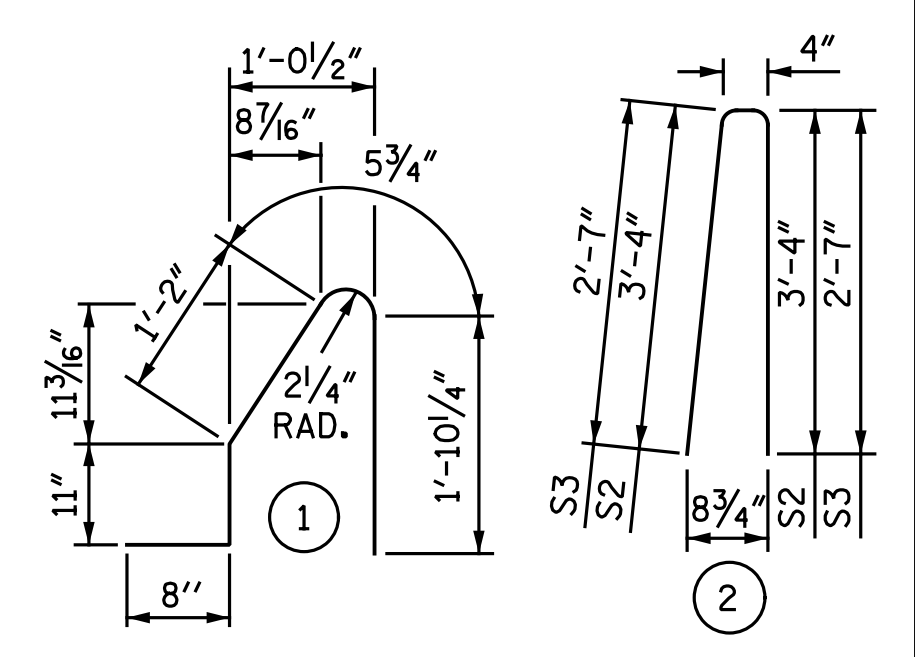
ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

TEMPORARY DRAIN BLOCKOUTS FOR STAGE I AND STAGE II CONDITIONS SHALL BE FILLED WITH APPROVED GROUT UPON COMPLETION OF STAGE III CONSTRUCTION.

TEMPORARY DRAIN BLOCKOUTS MAY BE SHIFTED SLIGHTLY, AS NECESSARY, TO AVOID INTERFERENCE WITH CONCRETE BARRIER RAIL REINFORCEMENT AND RUBRAIL ANCHORAGE.

THE COST OF THE PVC GROUT VENTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONCRETE BARRIER RAIL.

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

BARRIER RAIL ONLY					
STAGE I					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B1	6	#5	STR.	10' - 4"	65
*B2	11	#5	STR.	9' - 9"	112
*B3	5	#5	STR.	9' - 4"	49
*S1	20	#5	1	5' - 1"	106
*S2	16	#5	2	7' - 0"	117
*S3	4	#5	2	5' - 6"	23
* EPOXY COATED REINFORCING STEEL				LBS.	472
CLASS AA CONCRETE				CU. YDS.	2.9
CONCRETE BARRIER RAIL				LIN. FT.	21.08
STAGE II					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B1	6	#5	STR.	10' - 4"	65
*B2	11	#5	STR.	9' - 9"	112
*B3	5	#5	STR.	9' - 4"	49
*S1	20	#5	1	5' - 1"	106
*S2	16	#5	2	7' - 0"	117
*S3	4	#5	2	5' - 6"	23
* EPOXY COATED REINFORCING STEEL				LBS.	472
CLASS AA CONCRETE				CU. YDS.	2.9
CONCRETE BARRIER RAIL				LIN. FT.	21.08

PROJECT NO. I-5986B
JOHNSTON COUNTY
STATION: 1391+19.65 -L-

SHEET 3 OF 4



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB DETAILS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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Michael Baker Engineering
8000 Regency Parkway, Suite 600
Cary, North Carolina 27518
NC License No.: F-1084

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

SHEET NO. S3-43
TOTAL SHEETS 44