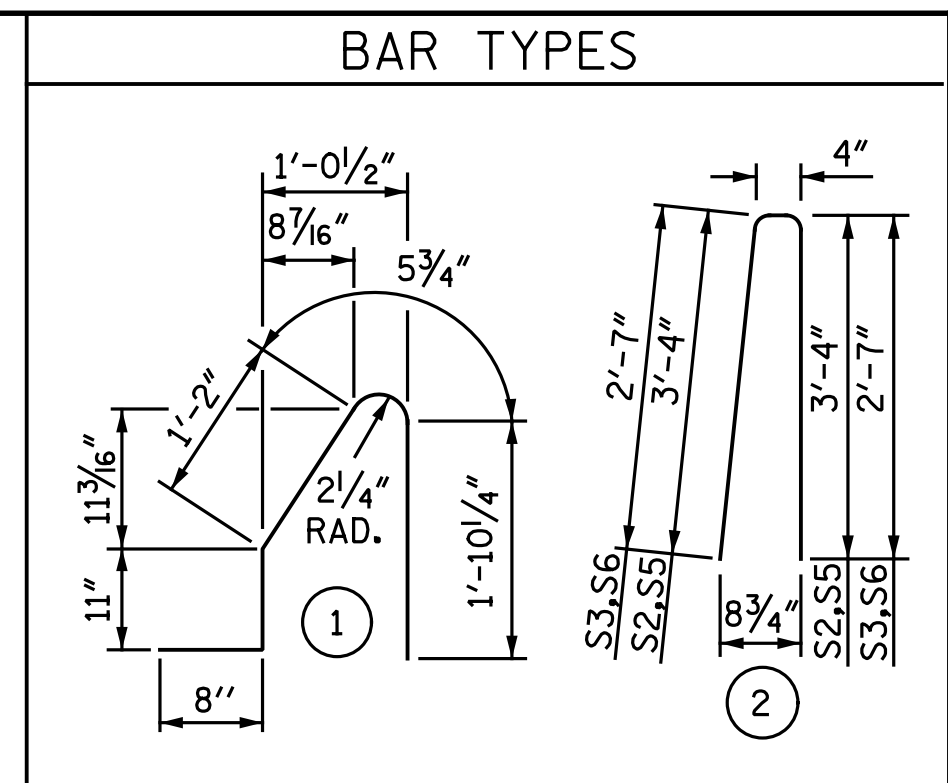## NOTES

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.

PLAN OF BARRIER RAIL

STAGE II

STAGE I
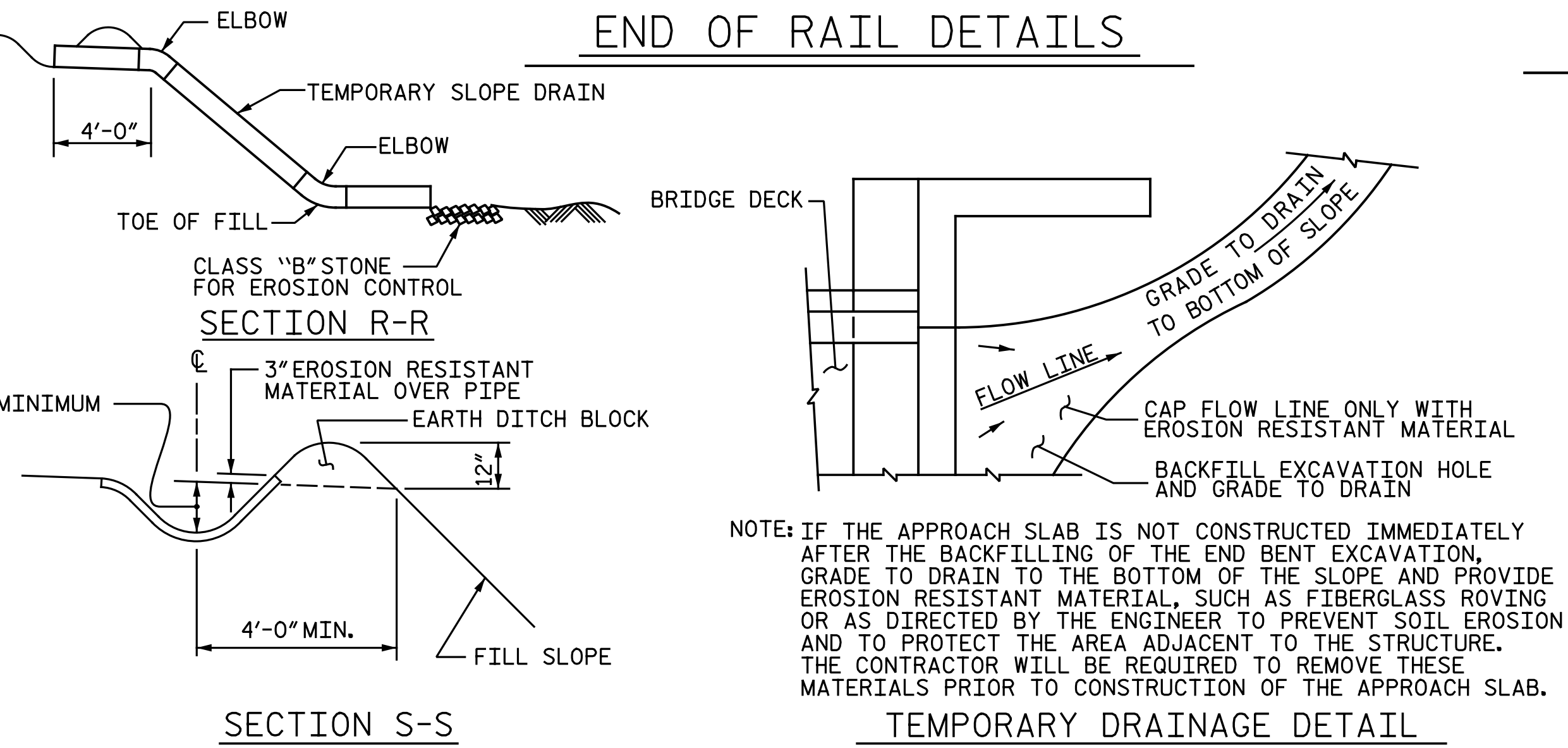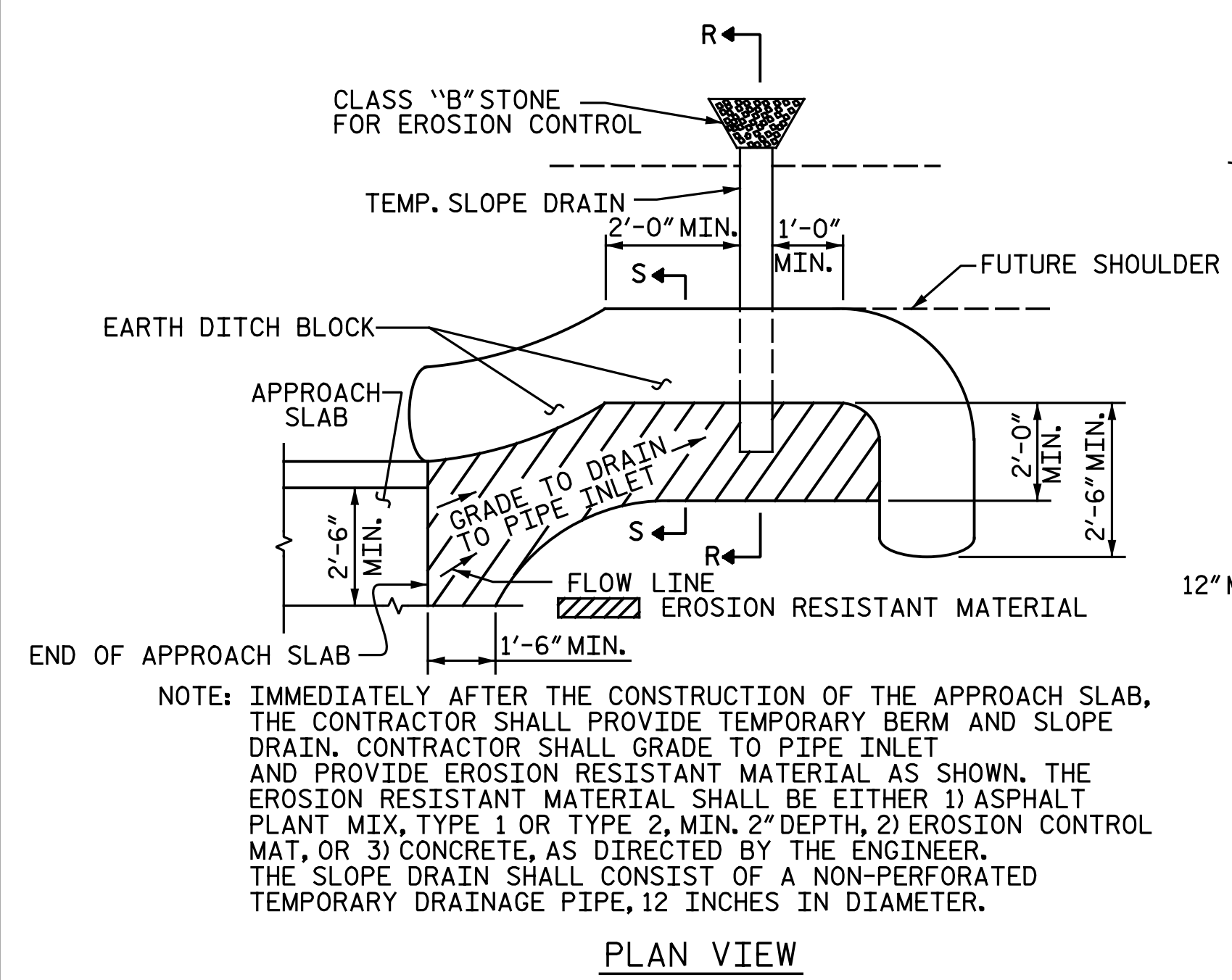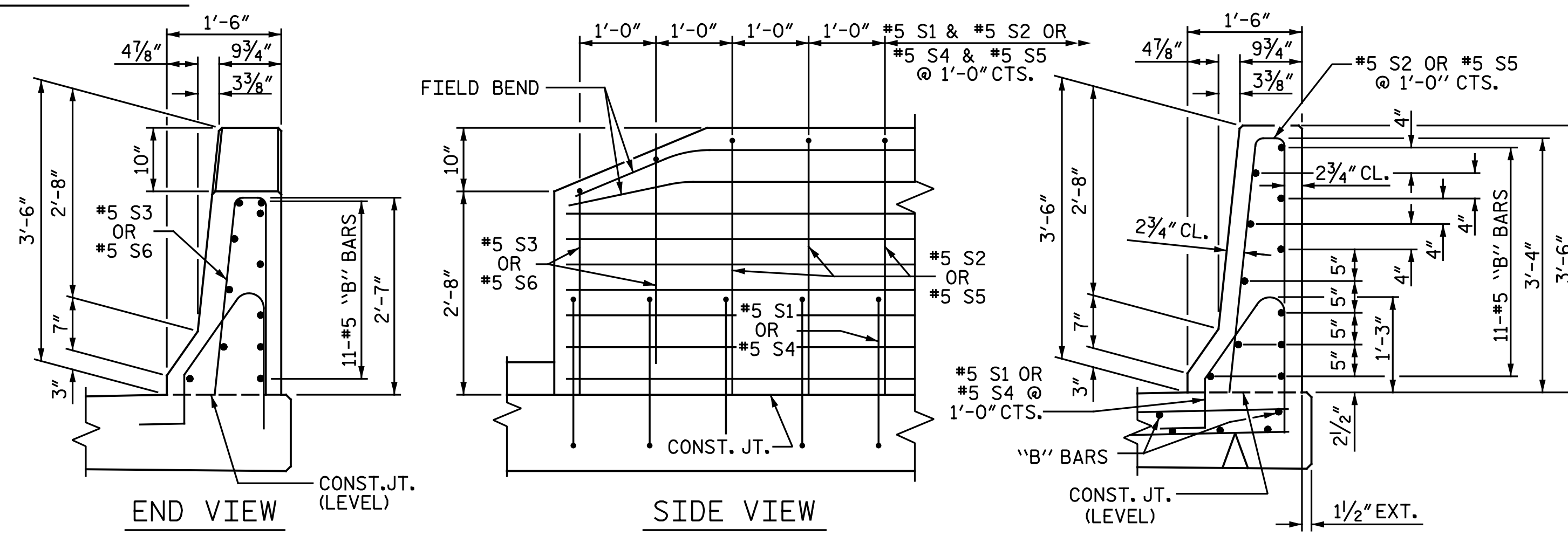
END BENT 1

END BENT 2

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.	9'-11"	62
✻B2	11	#5	STR.	9'-8"	111
✻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.	468
CLASS AA CONCRETE	C.Y.	2.7
CONCRETE BARRIER RAIL	LIN. FT.	20.40

STAGE II

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✻B4	6	#5	STR.	9'-11"	62
✻B5	11	#5	STR.	9'-8"	111
✻B6	5	#5	STR.	9'-4"	49
✻S4	20	#5	1	5'-1"	106
✻S5	16	#5	2	7'-0"	117
✻S6	4	#5	2	5'-6"	23

✻EPOXY COATED REINFORCING STEEL	LBS.	468
CLASS AA CONCRETE	C.Y.	2.7
CONCRETE BARRIER RAIL	LIN. FT.	20.40

END OF RAIL DETAILS

END VIEW

SIDE VIEW

SECTION THRU RAIL

TEMPORARY BERM AND SLOPE DRAIN DETAILS
(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)

PLAN VIEW

SECTION R-R

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.

NOTE: IF THE APPROACH SLAB IS NOT CONSTRUCTED IMMEDIATELY AFTER THE BACKFILLING OF THE END BENT EXCAVATION, GRADE TO DRAIN TO THE BOTTOM OF THE SLOPE AND PROVIDE EROSION RESISTANT MATERIAL, SUCH AS FIBERGLASS ROVING OR AS DIRECTED BY THE ENGINEER TO PREVENT SOIL EROSION AND TO PROTECT THE AREA ADJACENT TO THE STRUCTURE. THE CONTRACTOR WILL BE REQUIRED TO REMOVE THESE MATERIALS PRIOR TO CONSTRUCTION OF THE APPROACH SLAB.

PROJECT NO. I-5878
HARNETT COUNTY
STATION: 1002+79.68 -LREV-
SHEET 2 OF 3

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 042399 BRADLEY J. BELL

4/22/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
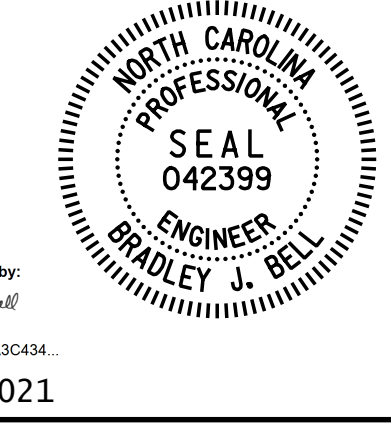
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

BRIDGE APPROACH SLAB DETAILS 1

ASSEMBLED BY : N. B. SPEAKS	DATE : 3-27-19	
CHECKED BY : B. J. BELL	DATE : 5-8-19	
DRAWN BY : FCJ 11/88	REV. 6/13	MAA/GM
CHECKED BY : ARB 11/88	REV. 12/17	MAA/THC
	REV. 5/18	MAA/THC

Michael Baker INTERNATIONAL
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. S2-33
TOTAL SHEETS 34

STD. NO. BAS4