

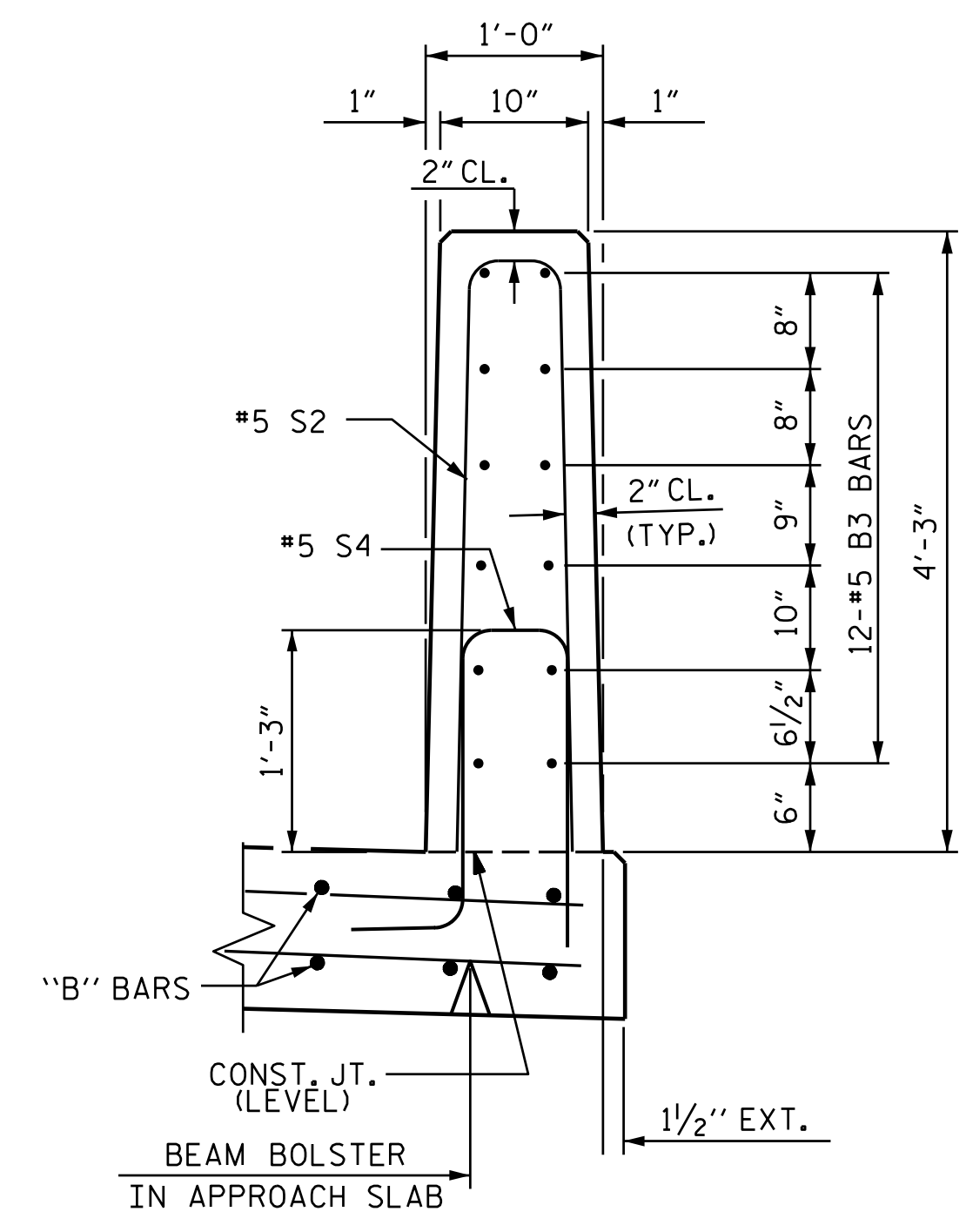
PLAN OF BARRIER RAIL

NOTES

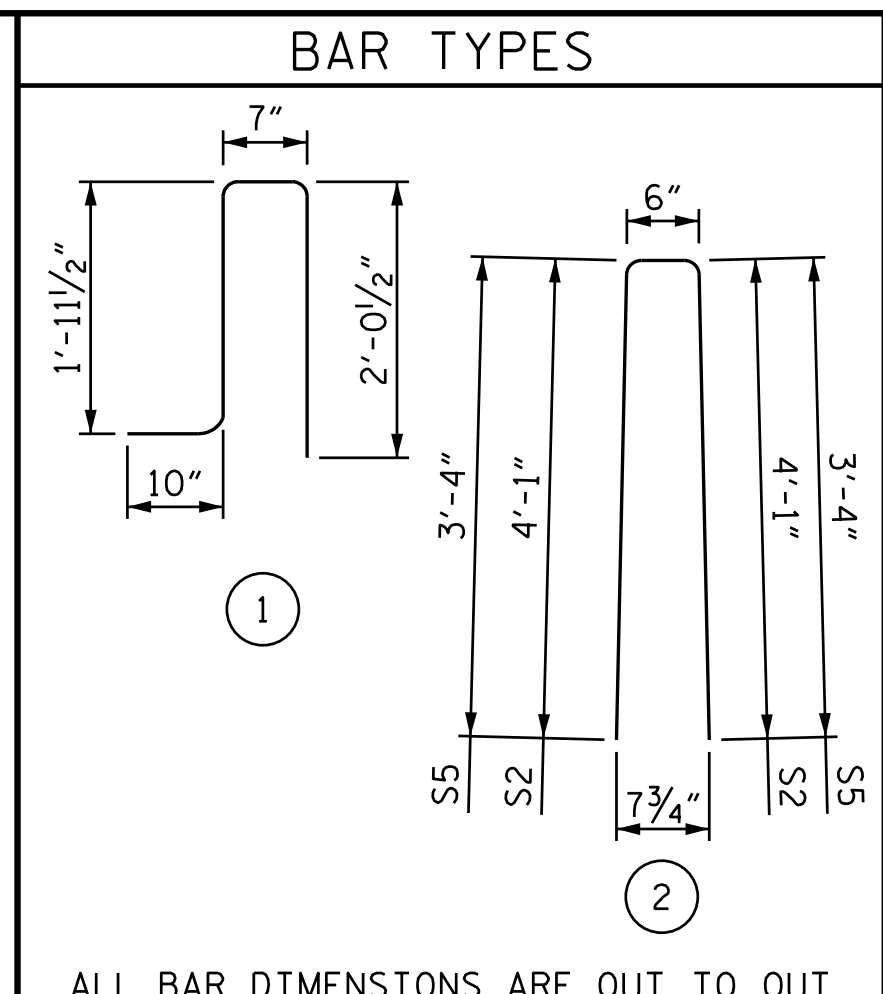
THE COST OF THE BARRIER RAILS ON THE APPROACH SLABS SHALL BE INCLUDED IN THE LINEAR FOOT CONTRACT PRICE BID FOR "CONCRETE BARRIER RAIL".

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.



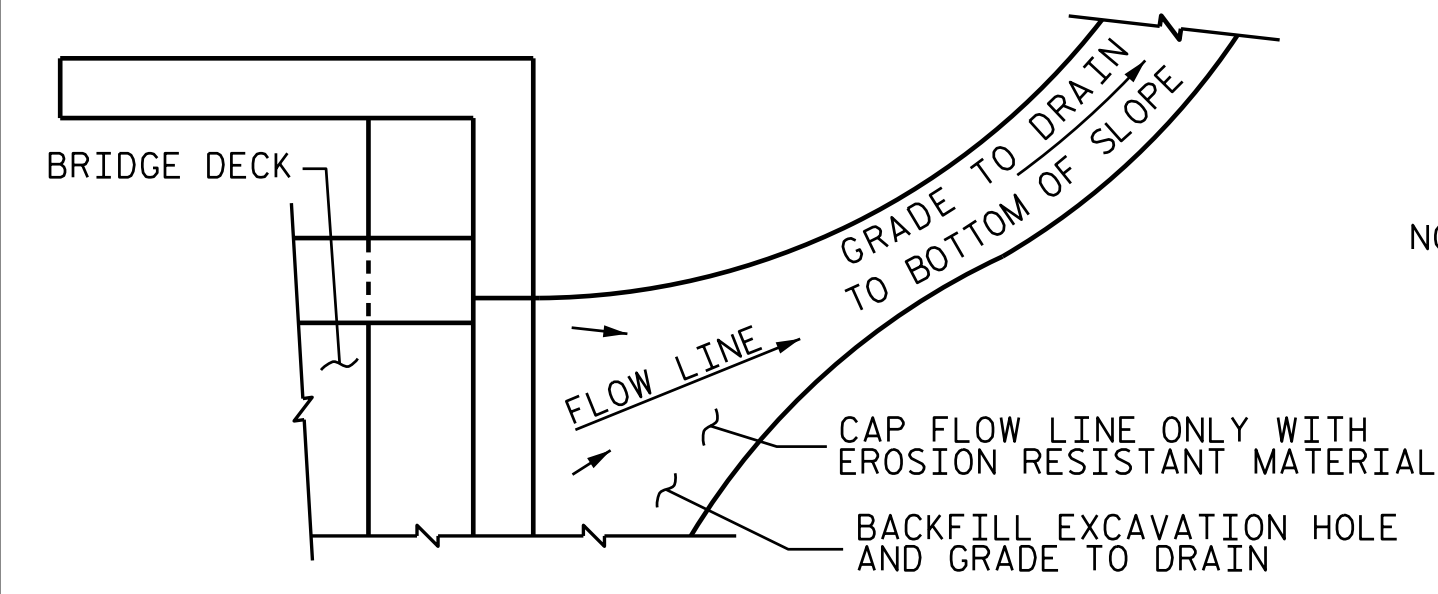
SECTION THRU RAIL



ALL BAR DIMENSIONS ARE OUT TO OUT

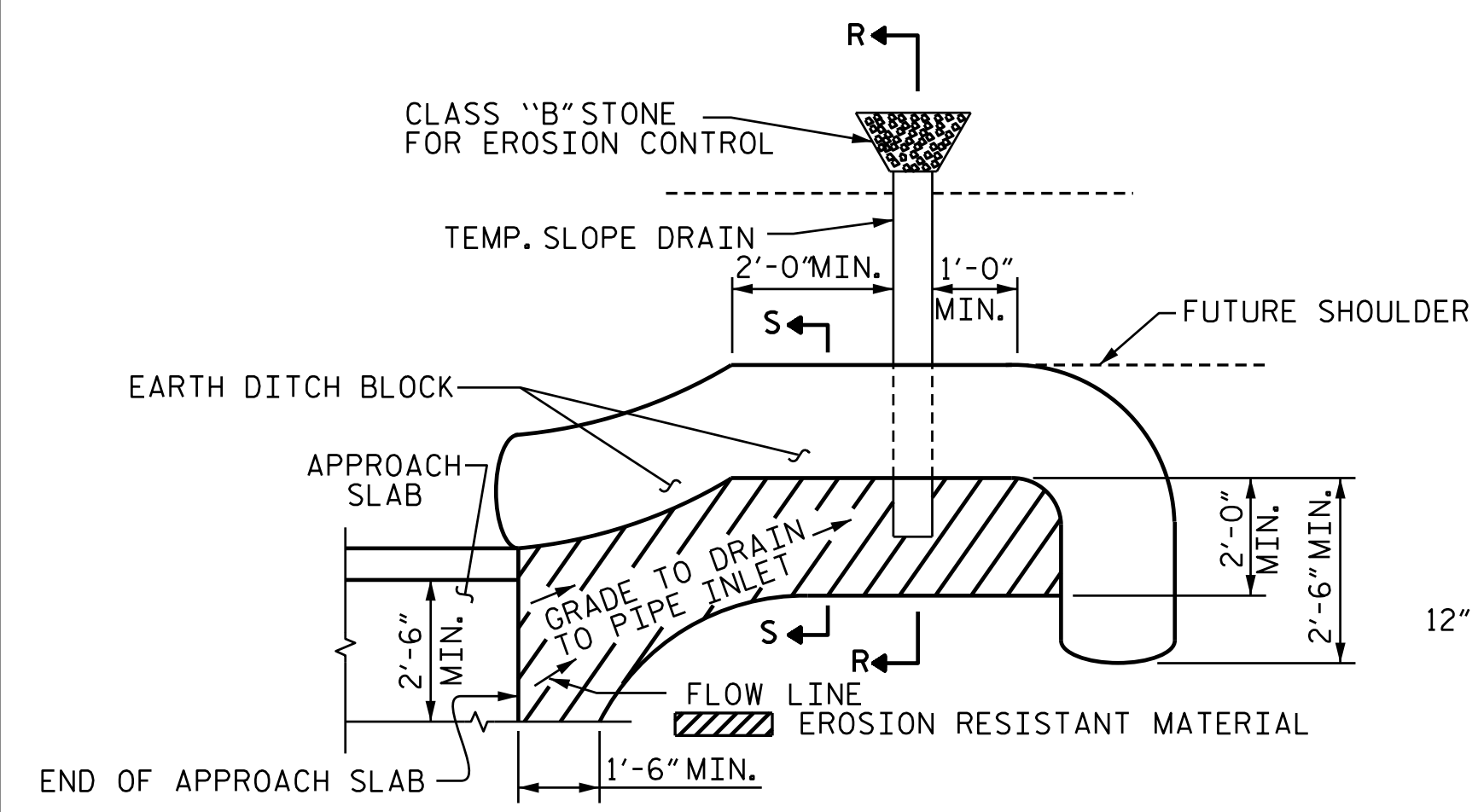
BILL OF MATERIAL

BARRIER RAIL ONLY					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B3	48	#5	STR	9'-8"	484
*S2	40	#5	2	8'-8"	362
*S4	56	#5	1	5'-5"	316
*S5	16	#5	2	7'-2"	120
* EPOXY COATED REINFORCING STEEL					LBS. 1282
CLASS AA CONCRETE					C. Y. 5.9
VERTICAL CONCRETE BARRIER RAIL					41.2 LIN. FT.

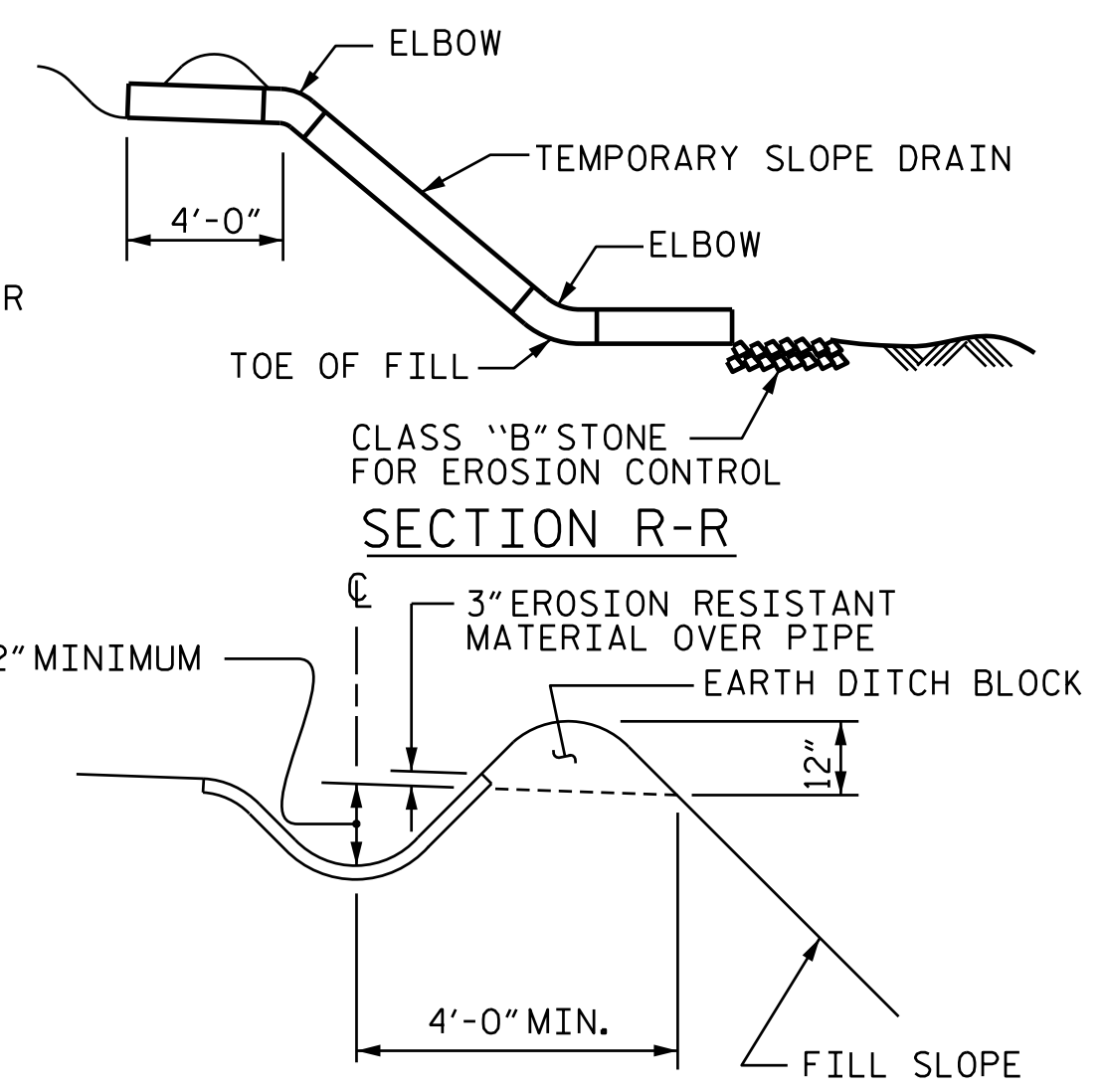


TEMPORARY DRAINAGE DETAIL

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.



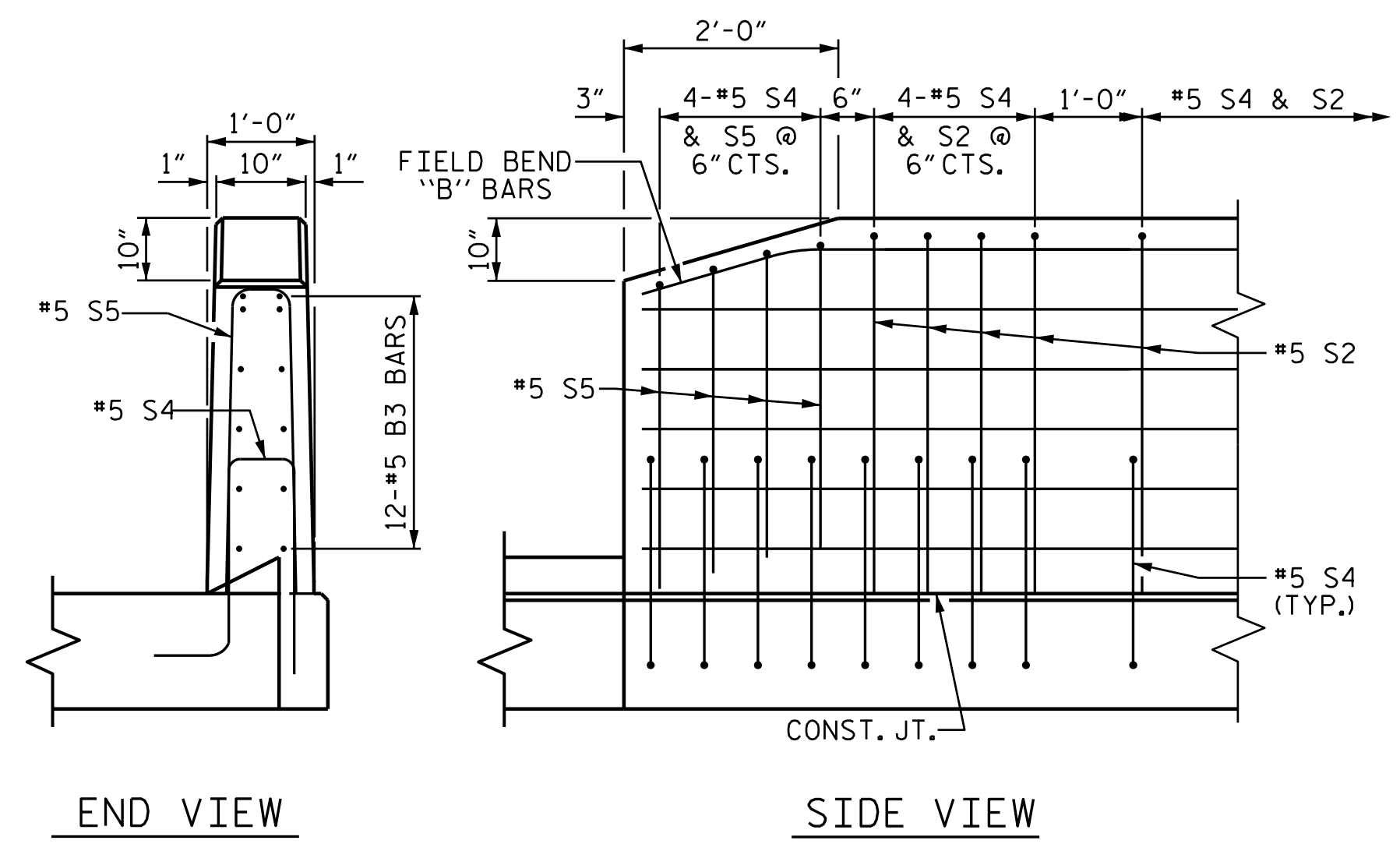
PLAN VIEW



SECTION S-S

TEMPORARY BERM AND SLOPE DRAIN DETAILS

(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)



END VIEW

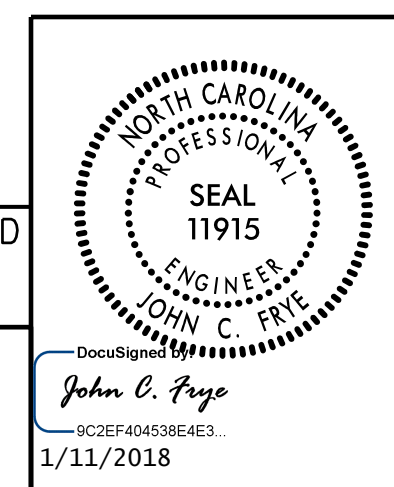
SIDE VIEW

END OF RAIL DETAILS

PROJECT NO. U-2525C
GUILFORD COUNTY
 STATION: 28+98.81 -Y4-

SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
BRIDGE APPROACH SLAB DETAILS					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLANS PREPARED BY:
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 1/11/2010
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 8/15/2017 AM

DRAWN BY: L. T. FORBIS DATE: 8-2017
 CHECKED BY: J. T. WILLIAMS DATE: 9-2017
 DESIGN ENGINEER OF RECORD: J. E. MONDOLFI DATE: 9-2017