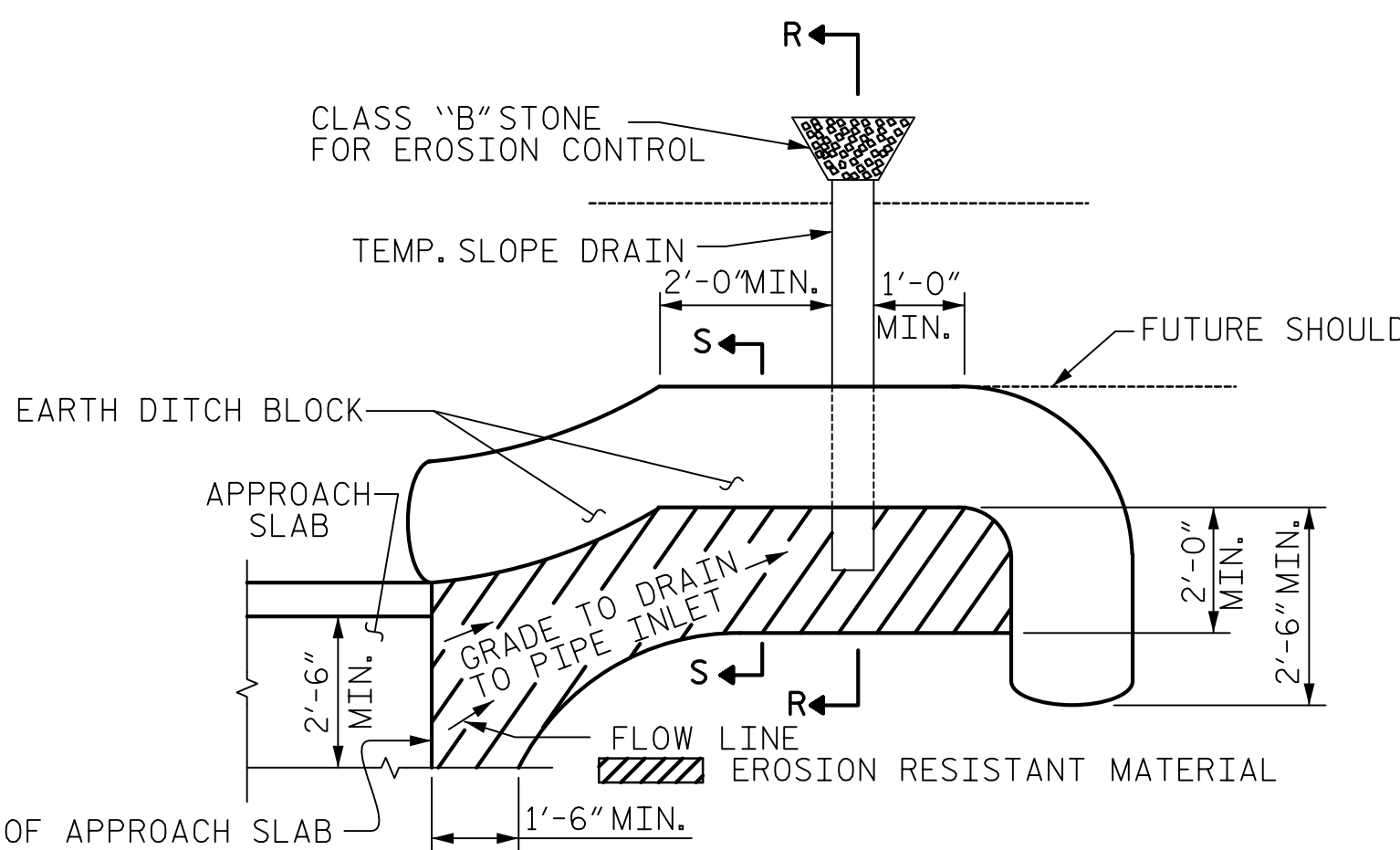
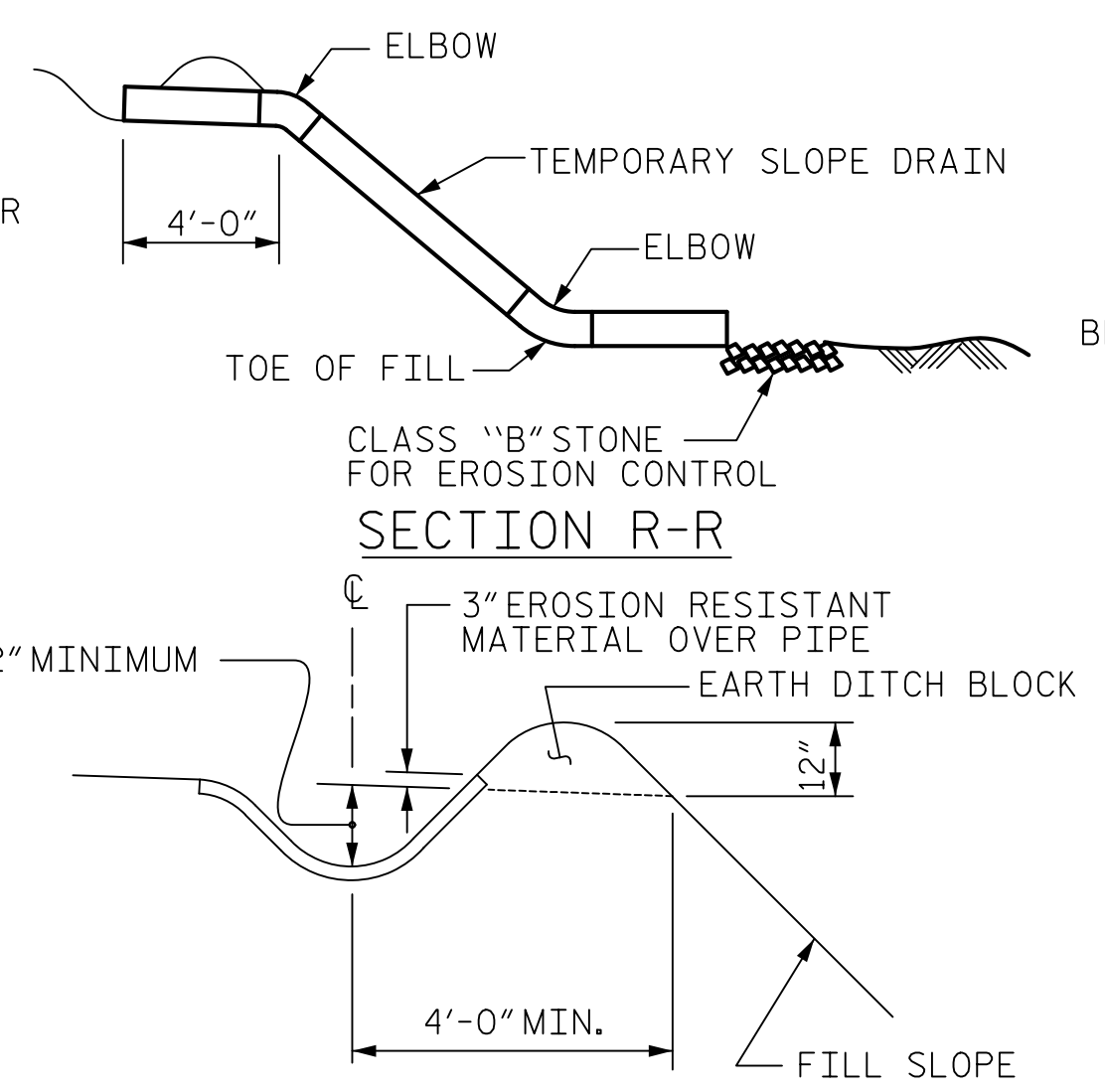


SECTION THRU SLAB
(TYPE III - REINFORCED APPROACH FILL)

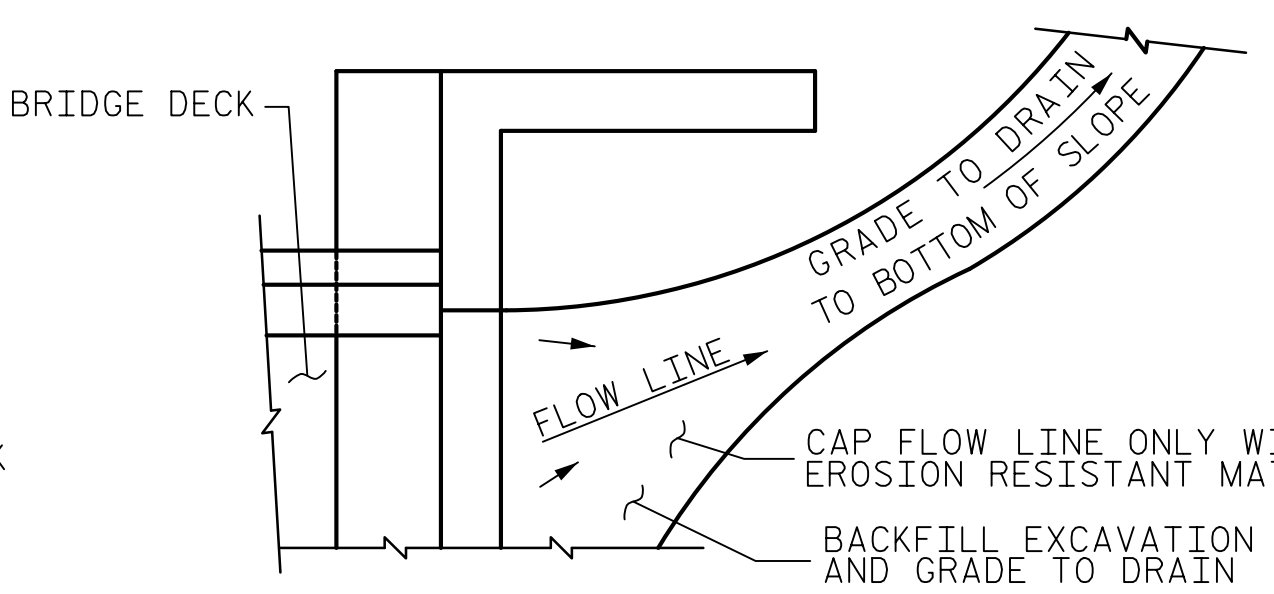


NOTE: IMMEDIATELY AFTER THE CONSTRUCTION OF THE APPROACH SLAB, THE CONTRACTOR SHALL PROVIDE TEMPORARY BERM AND SLOPE DRAIN. CONTRACTOR SHALL GRADE TO PIPE INLET AND PROVIDE EROSION RESISTANT MATERIAL AS SHOWN. THE EROSION RESISTANT MATERIAL SHALL BE EITHER 1) ASPHALT PLANT MIX, TYPE 1 OR TYPE 2, MIN. 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



SECTION S-S



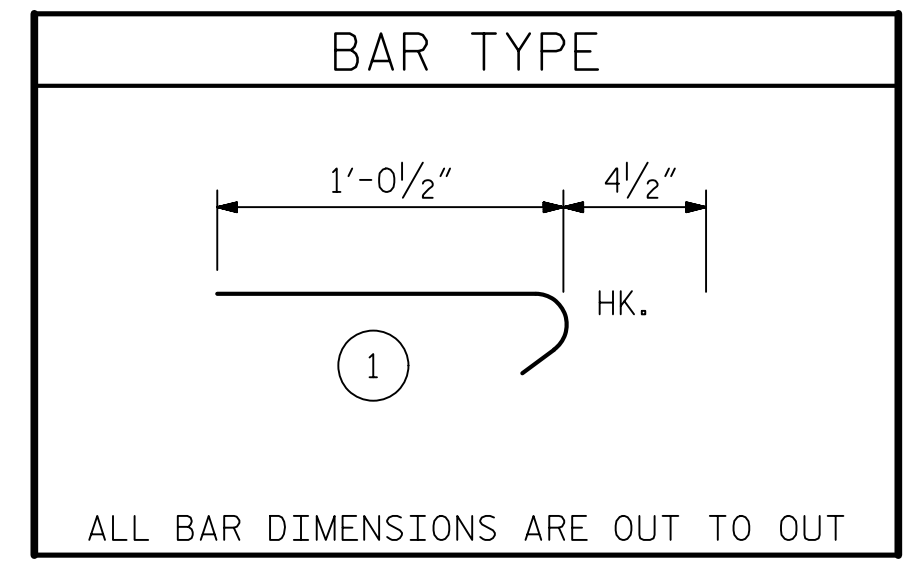
NOTE: IF THE APPROACH SLAB IS NOT CONSTRUCTED IMMEDIATELY AFTER THE BACKFILLING OF THE END BENT EXCAVATION, GRADE TO DRAIN TO THE BOTTOM OF THE SLOPE AND PROVIDE EROSION RESISTANT MATERIAL, SUCH AS FIBERGLASS ROVING OR AS DIRECTED BY THE ENGINEER TO PREVENT SOIL EROSION AND TO PROTECT THE AREA ADJACENT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

TEMPORARY DRAINAGE DETAIL

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

NOTES

FOR BRIDGE APPROACH FILL INCLUDING GEOTEXTILE, MSE WALL REINFORCEMENT AND BACKFILL MATERIAL, SEE ROADWAY PLANS.
GEOTEXTILE SHALL BE TYPE 1 IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS SECTION 1056.
BACKFILL MATERIAL SHALL BE THE SAME MATERIAL USED IN THE MSE REINFORCED ZONE.
AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED. SEE ROADWAY PLANS.
FOR EXPANSION JOINT SEALS, SEE SPECIAL PROVISIONS.



ALL BAR DIMENSIONS ARE OUT TO OUT

** QUANTITIES FOR BARRIER RAIL AND VERTICAL BARRIER RAIL NOT INCLUDED. SEE 'BRIDGE APPROACH SLABS' SHEETS 4 OF 5 AND 5 OF 5 FOR RAIL QUANTITIES.

THE QUANTITY OF #4 J1 BARS ON THE BILL OF MATERIAL IS BASED ON 1'-0" CENTERS. J1 BARS SHALL BE PLACED AT EACH VERTICAL STUD ANCHOR BOLT. IN THE EVENT THAT THE NUMBER OF VERTICAL STUD ANCHORS EXCEEDS THE NUMBER OF J1 BARS SPECIFIED, ADDITIONAL J1 BARS WILL NOT BE REQUIRED.

SPlice LENGTHS		
BAR SIZE	EPOXY COATED	UNCOATED
#4	1'-11"	1'-7"
#5	2'-5"	2'-0"
#6	3'-7"	2'-5"

BILL OF MATERIAL					
APPROACH SLAB AT EB 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	125	#4	STR	25'-11"	2164
A2	130	#4	STR	25'-9"	2236
*B1	239	#5	STR	23'-10"	5941
B2	239	#6	STR	24'-8"	8855
*B3	2	#5	STR	9'-4"	19
B4	2	#6	STR	9'-8"	29
*B5	1	#5	STR	9'-3"	10
B6	1	#6	STR	9'-7"	14
*B7	1	#5	STR	8'-9"	9
B8	1	#6	STR	9'-3"	14
*B9	2	#5	STR	5'-6"	11
B10	2	#6	STR	6'-0"	18
*B11	1	#5	STR	14'-2"	15
B12	1	#6	STR	14'-8"	22
*J1	118	#4	1	1'-5"	112
REINFORCING STEEL **	LBS.				11,188
*EPOXY COATED REINFORCING STEEL **	LBS.				8,281
CLASS AA CONCRETE **	C. Y.				131.2
APPROACH SLAB AT EB 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	125	#4	STR	25'-11"	2164
A2	130	#4	STR	25'-9"	2236
*B1	238	#5	STR	23'-10"	5916
B2	238	#6	STR	24'-8"	8818
*B3	4	#5	STR	9'-3"	39
B4	4	#6	STR	9'-7"	58
*B5	1	#5	STR	14'-2"	15
B6	1	#6	STR	14'-8"	22
*B7	1	#5	STR	4'-4"	5
B8	1	#6	STR	4'-10"	7
*B9	1	#5	STR	12'-3"	13
B10	1	#6	STR	12'-7"	19
*B11	2	#5	STR	7'-2"	15
B12	2	#6	STR	7'-8"	23
*J1	118	#4	1	1'-5"	112
REINFORCING STEEL **	LBS.				11,183
*EPOXY COATED REINFORCING STEEL **	LBS.				8,279
CLASS AA CONCRETE **	C. Y.				131.0

DRAWN BY : J.A. LEE DATE : 10/23/18
 CHECKED BY : A.J. FORFA DATE : 2/26/19
 DESIGN ENGINEER OF RECORD : J.S. HOBSON DATE : 02/07/20

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PROJECT NO. R-4707
 GUILFORD COUNTY
 STATION: 41+39.51 -Y-
 SHEET 3 OF 5

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

SHEET NO. S-37
TOTAL SHEETS 39