

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

NOTES

THE COST OF THE BARRIER RAIL ON THE APPROACH SLAB SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE BID FOR BRIDGE APPROACH SLAB.

FOR REINFORCED BRIDGE APPROACH FILL INCLUDING FABRIC, IMPERMEABLE GEOMEMBRANE, 4" Ø DRAINAGE PIPE, #78M STONE, AND SELECT MATERIAL, SEE ROADWAY PLANS.

TEMPORARY DRAINAGE AND TEMPORARY BERM AND SLOPE DRAINS WILL BE PAID FOR UNDER THE LUMP SUM PRICE FOR BRIDGE APPROACH SLAB.

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.

THE 6" COMP. A.B.C. SHALL EXTEND 10'-0" BEYOND THE END OF THE APPROACH SLAB AND 1'-0" OUTSIDE OF EACH EDGE OF SLAB.

THE CONTRACTOR MAY USE 4" TYPE B-25.0B ASPHALT CONCRETE BASE COURSE IN LIEU OF 6" COMP. A.B.C. IF THIS OPTION IS USED, THE BASE COURSE SHALL EXTEND 1'-0" BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB.

THE CONTRACTOR MAY USE 5" CLASS "A" CONCRETE BASE IN LIEU OF 6" COMP. A.B.C. IF THIS OPTION IS USED, THE CONCRETE BASE SHALL EXTEND 1'-0" BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB. THE CONCRETE SHALL BE FINISHED TO A SMOOTH SURFACE AND A LAYER OF 30 LB ROOFING FELT SHALL BE PLACED BETWEEN THE CONCRETE BASE AND THE APPROACH SLAB TO PREVENT BOND. THE APPROACH SLAB SHALL NOT BE CAST UNTIL THE CONCRETE BASE HAS REACHED AN AGE OF THREE CURING DAYS.

FOR JOINT DETAILS, SEE "PRESTRESSED BOX BEAM UNIT" SHEETS.

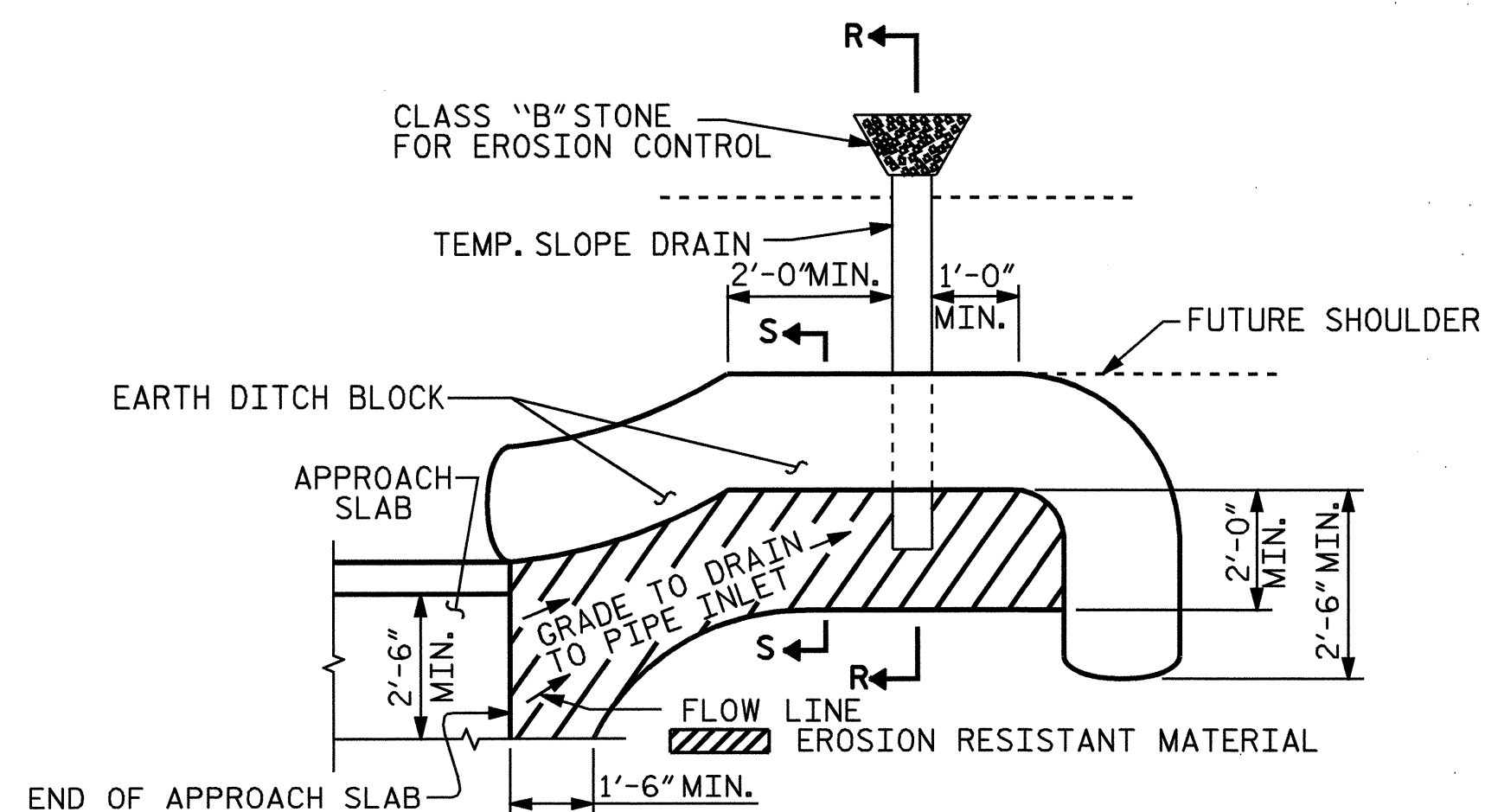
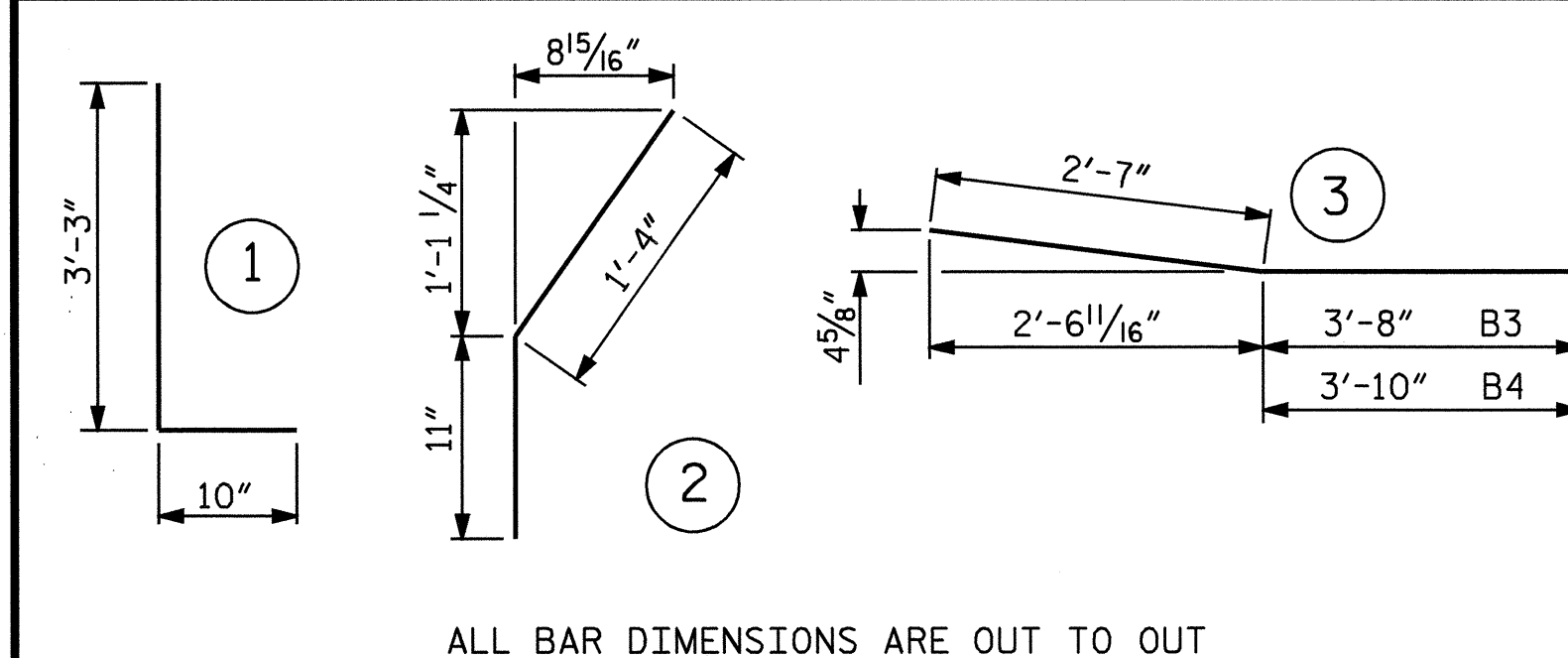
THE JOINT AT THE END BENT SHALL BE SEALED AS SOON AS PRACTICAL AFTER THE CONSTRUCTION OF APPROACH SLAB.

APPROACH SLAB GROOVING IS NOT REQUIRED.

BILL OF MATERIAL  
FOR ONE APPROACH SLAB  
(2 REQ'D)

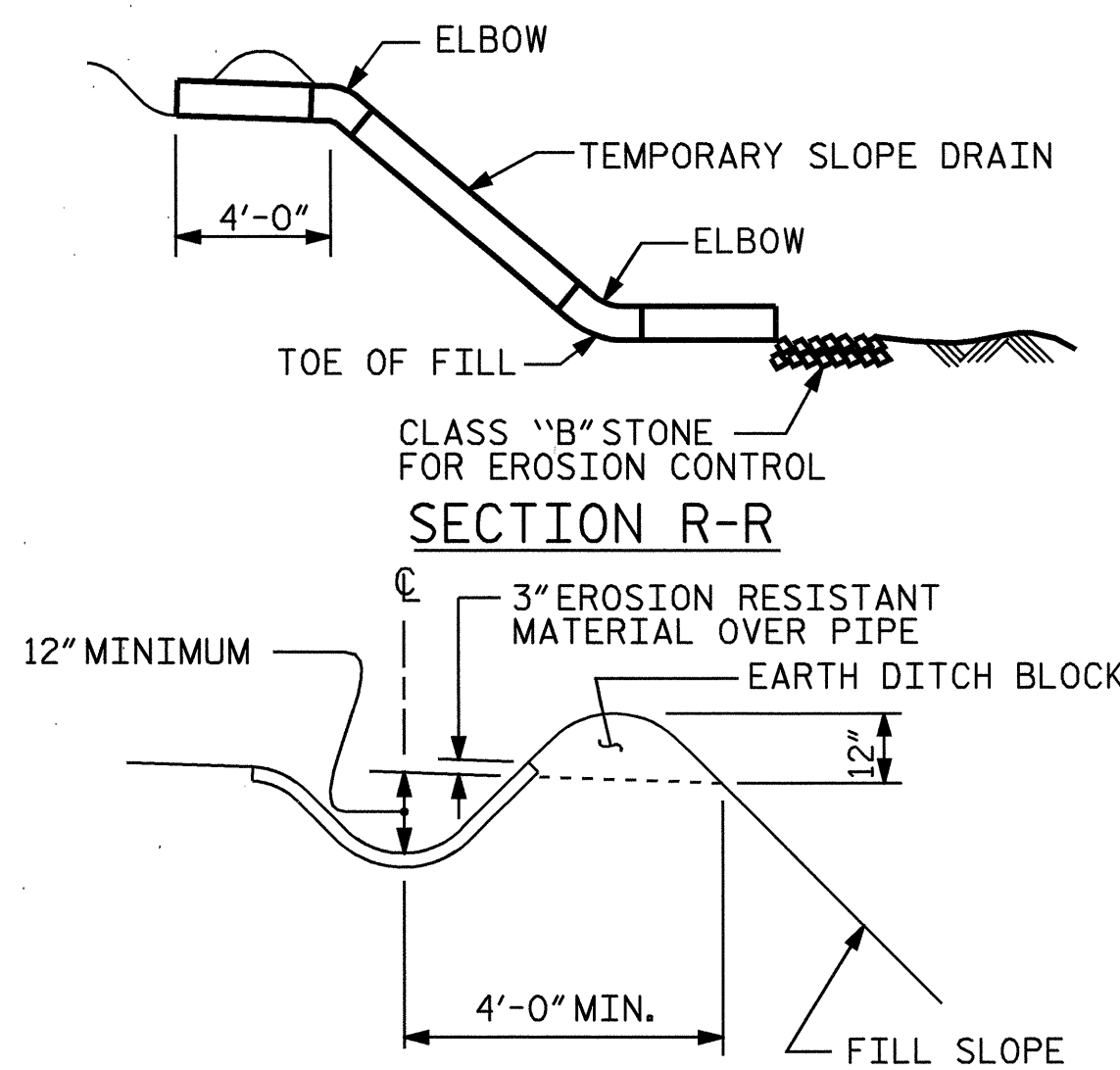
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	49	#5	STR	32'-4"	1652	*B107	4	#6	STR	27'-5"	165
A2	98	#4	STR	17'-1"	1118	*B108	4	#6	STR	27'-11"	168
						*B109	4	#6	STR	28'-6"	171
*A101	1	#5	STR	31'-1"	32	*B110	4	#6	STR	29'-0"	174
*A102	1	#5	STR	29'-2"	30	*B111	4	#6	STR	29'-6"	177
*A103	1	#5	STR	27'-4"	29	*B112	4	#6	STR	30'-1"	181
*A104	1	#5	STR	25'-6"	27	*B113	4	#6	STR	30'-7"	184
*A105	1	#5	STR	23'-7"	25	*B114	4	#6	STR	31'-2"	187
*A106	1	#5	STR	21'-9"	23	*B115	4	#6	STR	31'-8"	190
*A107	1	#5	STR	19'-10"	21	*B116	4	#6	STR	32'-3"	194
*A108	1	#5	STR	18'-0"	19	*B117	1	#6	STR	32'-9"	49
*A109	1	#5	STR	16'-2"	17						
*A110	1	#5	STR	14'-3"	15	B201	4	#8	STR	24'-9"	264
*A111	1	#5	STR	12'-5"	13	B202	4	#8	STR	25'-4"	271
*A112	1	#5	STR	10'-6"	11	B203	4	#8	STR	25'-10"	276
*A113	1	#5	STR	8'-8"	9	B204	4	#8	STR	26'-4"	281
*A114	1	#5	STR	6'-10"	7	B205	4	#8	STR	26'-11"	287
*A115	1	#5	STR	4'-11"	5	B206	4	#8	STR	27'-5"	293
*A116	1	#5	STR	3'-1"	3	B207	4	#8	STR	28'-0"	299
						B208	4	#8	STR	28'-6"	304
A201	2	#4	STR	16'-5"	22	B209	4	#8	STR	29'-1"	311
A202	1	#4	STR	29'-2"	19	B210	4	#8	STR	29'-7"	316
A203	1	#4	STR	27'-4"	18	B211	4	#8	STR	30'-1"	321
A204	1	#4	STR	25'-6"	17	B212	4	#8	STR	30'-8"	328
A205	1	#4	STR	23'-7"	16	B213	4	#8	STR	31'-2"	333
A206	1	#4	STR	21'-9"	15	B214	4	#8	STR	31'-9"	339
A207	1	#4	STR	19'-10"	13	B215	4	#8	STR	32'-3"	344
A208	1	#4	STR	18'-0"	12	B216	4	#8	STR	32'-10"	351
A209	1	#4	STR	16'-2"	11	B217	1	#8	STR	33'-4"	89
A210	1	#4	STR	14'-3"	10						
A211	1	#4	STR	12'-5"	8	*S1	48	#5	STR	3'-3"	163
A212	1	#4	STR	10'-6"	7	*S2	48	#5	1	4'-1"	204
A213	1	#4	STR	8'-8"	6	*S3	20	#5	2	2'-3"	47
A214	1	#4	STR	6'-10"	5						
A215	1	#4	STR	4'-11"	3						
A216	1	#4	STR	3'-1"	2						
										REINFORCING STEEL	LBS. 6309
*B1	7	#5	STR	11'-5"	83					*EPOXY COATED REINFORCING STEEL	LBS. 5295
*B2	7	#5	STR	11'-9"	86						
*B3	1	#5	3	6'-3"	7						
*B4	1	#5	3	6'-5"	7						
										CLASS AA CONCRETE BREAKDOWN	
*B101	4	#6	STR	24'-2"	145					POUR 1 SLAB AND CURB	C. Y. 36.4
*B102	4	#6	STR	24'-9"	149					POUR 2 RAIL	C. Y. 2.3
*B103	4	#6	STR	25'-3"	152						
*B104	4	#6	STR	25'-9"	155						
*B105	4	#6	STR	26'-4"	158					CLASS AA CONCRETE	C. Y. 38.7
*B106	4	#6	STR	26'-10"	161						

BAR TYPES



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

TEMPORARY BERM AND SLOPE DRAIN DETAILS

ASSEMBLED BY :	S. P. LAM	DATE :	8/05/05
CHECKED BY :	AS / DAD	DATE :	8/05/05
DRAWN BY :	FCJ 11/88	REV. 8/16/99	MAB/LES
CHECKED BY :	ARB 11/88	REV. 10/17/00	RWW/LES
		REV. 5/7/03	RWW/JTE

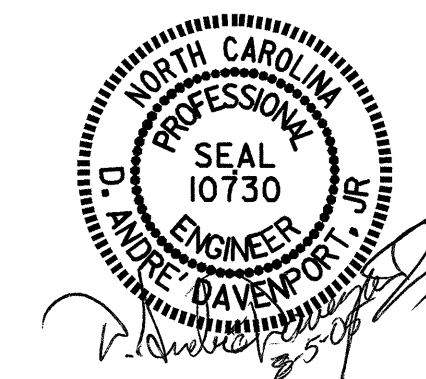
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cdavenport

PROJECT NO. B-4266  
RUTHERFORD COUNTY  
STATION: 13+29.00 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

BRIDGE APPROACH  
SLAB DETAILS



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-18
1			3			TOTAL SHEETS 18
2			4			

STD. NO. BAS10