

NOTES

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 WING WALL 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 HB 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 "TYPICAL SECTIONS" SHEET.

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

APPROACH SLAB GROOVING IS NOT REQUIRED.

CURB ON APPROACH SLABS IN STAGE 1 CONSTRUCTION SHALL BE POURED AS PART OF STAGE 3 CONSTRUCTION.

CURVE OFFSETS AT APPROACH SLAB 2 ARE NEGLIGIBLE.

"D1" DOWELS SHALL BE PLACED MID-DEPTH OF THE APPROACH SLABS. THEY SHALL BE DRILLED AND GROUTED IN PLACE INTO STAGE 1 APPROACH SLABS DURING STAGE 2 CONSTRUCTION.

BILL OF MATERIAL FOR APPROACH SLAB AT END BENT 1

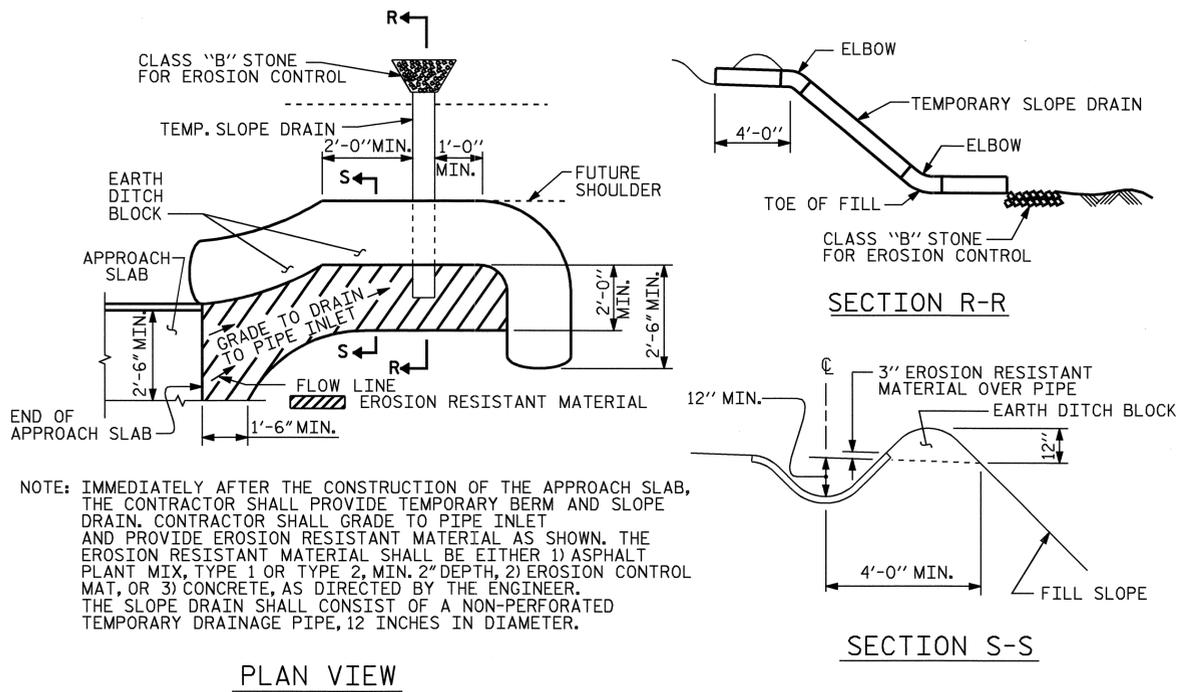
STAGE 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	15	#4	STR	11'- 6"	115
*A11	16	#4	STR	11'- 6"	123
*B1	22	#5	STR	14'- 1"	323
*B11	22	#6	STR	14'- 7"	482
*D1	15	#5	STR	3'- 0"	47
*EPOXY COATED REINFORCING STEEL					LBS. 1,090
CLASS AA CONCRETE					C. Y. 6.6

BILL OF MATERIAL FOR APPROACH SLAB AT END BENT 2

STAGE 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	15	#4	STR	11'- 6"	115
*A11	16	#4	STR	11'- 6"	123
*B1	22	#5	STR	14'- 1"	323
*B11	22	#6	STR	14'- 7"	482
*D1	15	#5	STR	3'- 0"	47
*EPOXY COATED REINFORCING STEEL					LBS. 1,090
CLASS AA CONCRETE					C. Y. 6.6

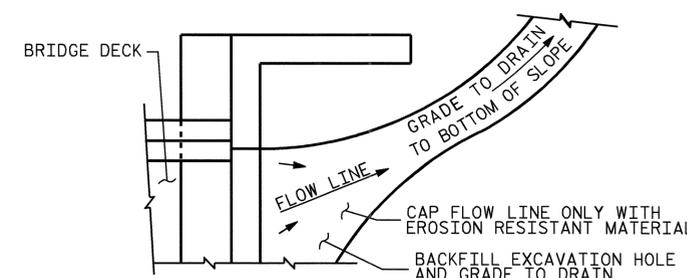
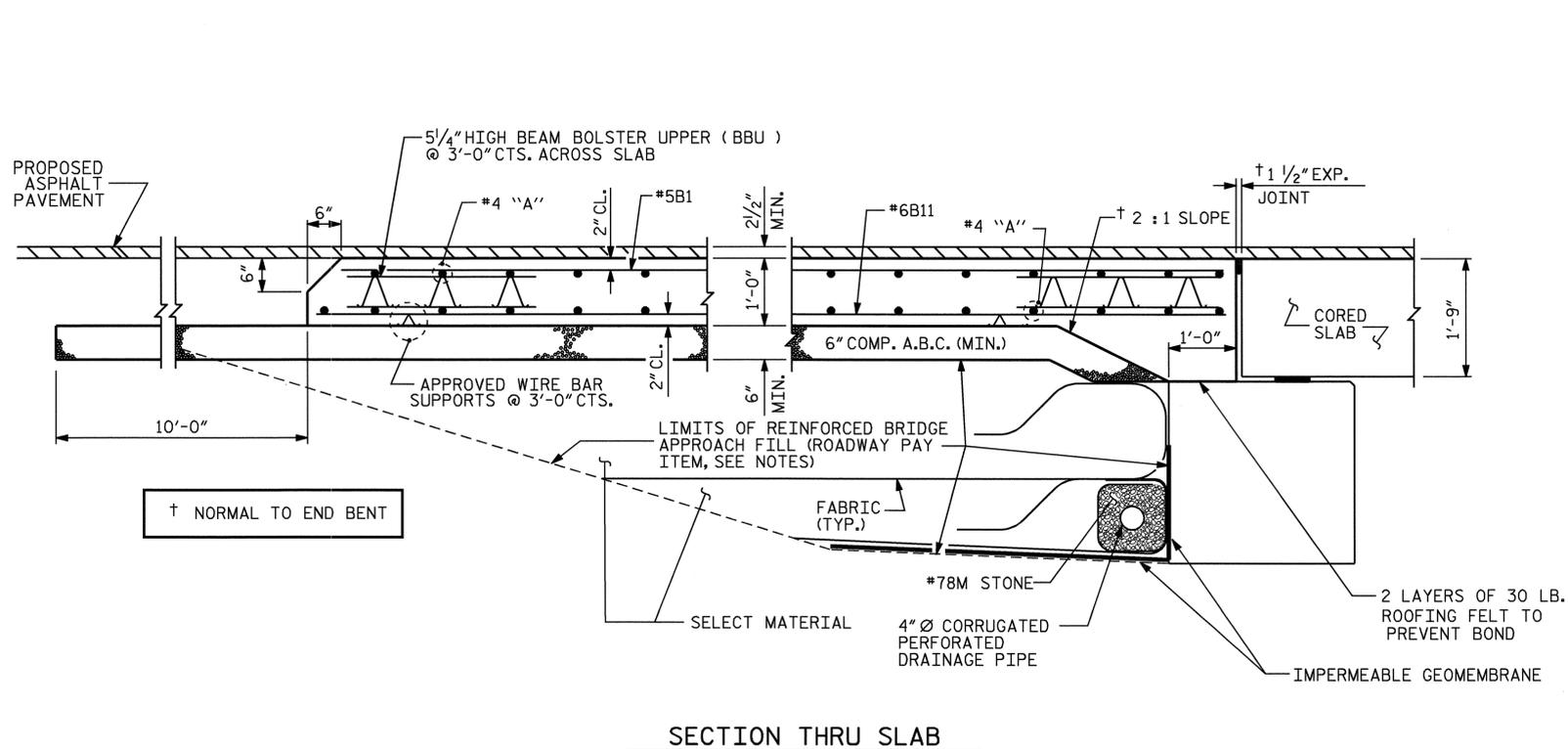
STAGE 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A2	15	#4	STR	27'- 5"	275
*A12	16	#4	STR	27'- 5"	293
*B1	52	#5	STR	14'- 1"	764
*B11	52	#6	STR	14'- 7"	1,139
*EPOXY COATED REINFORCING STEEL					LBS. 2,471
CLASS AA CONCRETE					C. Y. 15.5

STAGE 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A2	15	#4	STR	27'- 5"	275
*A12	16	#4	STR	27'- 5"	293
*B1	52	#5	STR	14'- 1"	764
*B11	52	#6	STR	14'- 7"	1,139
*EPOXY COATED REINFORCING STEEL					LBS. 2,471
CLASS AA CONCRETE					C. Y. 15.5



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.

TEMPORARY BERM AND SLOPE DRAIN DETAILS



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

PROJECT NO. B-3445
CURRITUCK COUNTY
 STATION: 24+18.00 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

BRIDGE APPROACH SLAB FOR PRESTRESSED CONCRETE CORED SLAB



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-44
1			3			TOTAL SHEETS
2			4			44

DRAWN BY: Keith D. Layne DATE: 10-25-05
 CHECKED BY: S. H. Sockwell DATE: 11-17-05