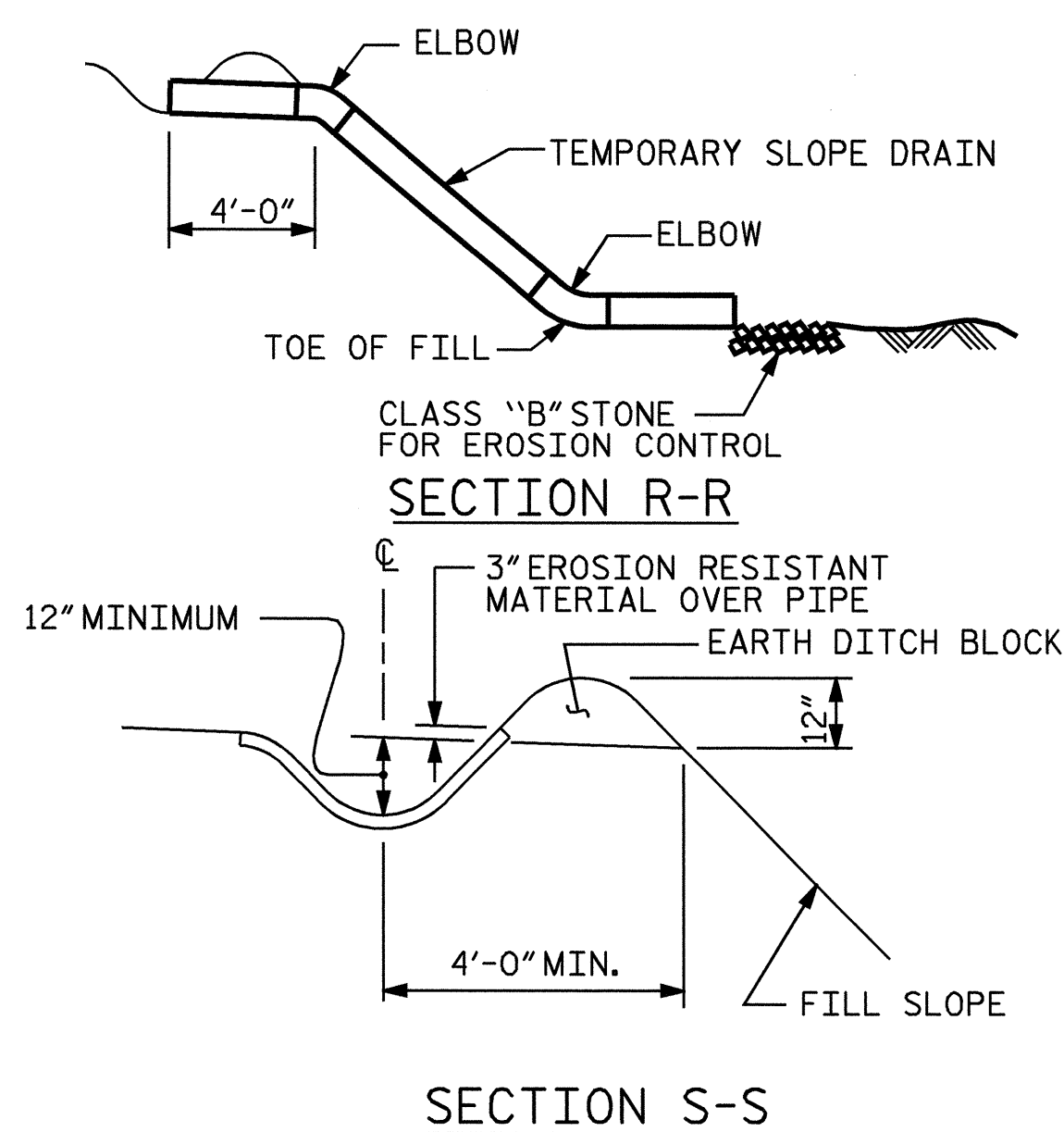


NOTE: IMMEDIATELY AFTER THE CONSTRUCTION OF THE APPROACH SLAB, THE CONTRACTOR SHALL PROVIDE TEMPORARY BERM AND SLOPE DRAIN. CONTRACTOR SHALL GRADE TO PIPE INLET AND PROVIDE EROSION RESISTANT MATERIAL AS SHOWN. THE EROSION RESISTANT MATERIAL SHALL BE EITHER 1) ASPHALT PLANT MIX, TYPE 1 OR TYPE 2, MIN.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

### NOTES

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

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 CONSTRUCTION OF SUPERSTRUCTURE.

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.

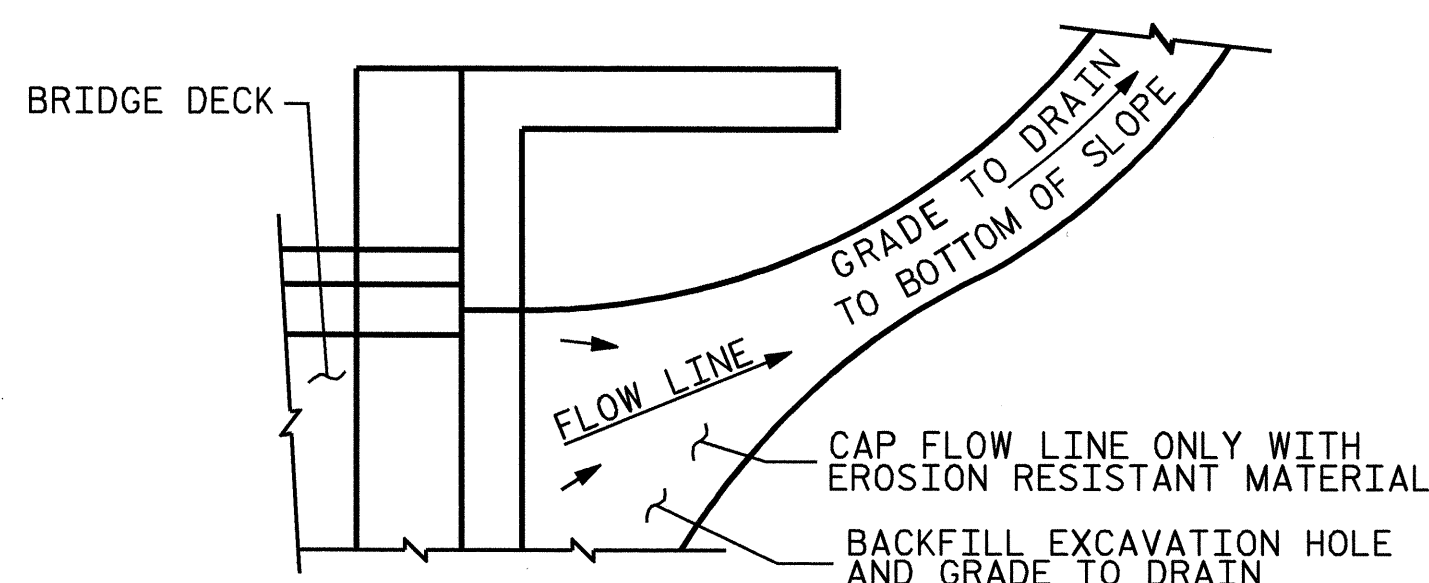
THE CONTRACTOR MAY USE 4" TYPE B-25.0B ASPHALT CONCRETE BASE COURSE IN LIEU OF 6" COMP. A.B.C. IF THIS OPTION IS USED, THE BASE COURSE SHALL EXTEND 1'-0" BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB.

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 CONCRETE CORED SLAB UNIT" SHEETS.

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.

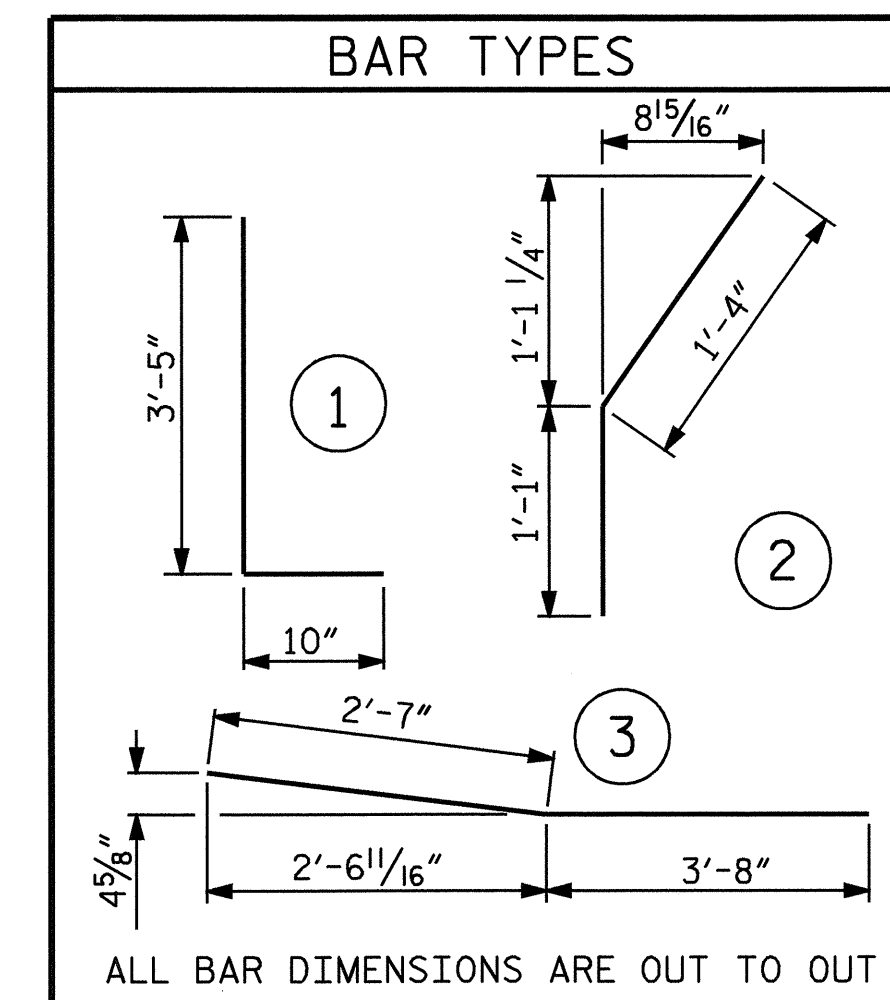


NOTE: IF THE APPROACH SLAB IS NOT CONSTRUCTED IMMEDIATELY AFTER THE BACKFILLING OF THE END BENT EXCAVATION, GRADE TO DRAIN TO THE BOTTOM OF THE SLOPE AND PROVIDE EROSION RESISTANT MATERIAL, SUCH AS FIBERGLASS ROVING OR AS DIRECTED BY THE ENGINEER TO PREVENT SOIL EROSION AND TO PROTECT THE AREA ADJACENT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

## TEMPORARY DRAINAGE DETAIL

### BILL OF MATERIAL

APPROACH SLAB AT END BENT #1						APPROACH SLAB AT END BENT #2					
BAR	NO	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
* A1	25	5	STR	41'-4"	1078	* A4	49	5	STR	41'-2"	2104
* A2	24	5	STR	41'-8"	1043	A5	98	4	STR	21'-7"	1413
A3	98	4	STR	21'-11"	1435	* A51	1	5	STR	38'-10"	41
* A11	1	5	STR	39'-5"	41	* A52	1	5	STR	36'-1"	38
* A12	1	5	STR	36'-7"	38	* A53	1	5	STR	33'-3"	35
* A13	1	5	STR	33'-9"	35	* A54	1	5	STR	30'-5"	32
* A14	1	5	STR	30'-10"	32	* A55	1	5	STR	27'-7"	29
* A15	1	5	STR	28'-0"	29	* A56	1	5	STR	24'-10"	26
* A16	1	5	STR	25'-2"	26	* A57	1	5	STR	22'-0"	23
* A17	1	5	STR	22'-3"	23	* A58	1	5	STR	19'-2"	20
* A18	1	5	STR	19'-5"	20	* A59	1	5	STR	16'-4"	17
* A19	1	5	STR	16'-7"	17	* A60	1	5	STR	13'-7"	14
* A20	1	5	STR	13'-9"	14	* A61	1	5	STR	10'-9"	11
* A21	1	5	STR	10'-10"	11	* A62	1	5	STR	7'-11"	8
* A22	1	5	STR	8'-0"	8	* A63	1	5	STR	5'-1"	5
* A23	1	5	STR	5'-2"	5	* A64	1	5	STR	2'-4"	2
* A24	1	5	STR	2'-3"	2	A65	2	4	STR	20'-4"	27
A25	2	4	STR	20'-7"	27	A66	2	4	STR	18'-11"	25
A26	2	4	STR	19'-2"	26	A67	2	4	STR	17'-6"	23
A27	2	4	STR	17'-9"	24	A68	2	4	STR	16'-1"	21
A28	2	4	STR	16'-4"	22	A69	1	4	STR	27'-7"	18
A29	1	4	STR	28'-0"	19	A70	1	4	STR	24'-10"	17
A30	1	4	STR	25'-2"	17	A71	1	4	STR	22'-0"	15
A31	1	4	STR	22'-3"	15	A72	1	4	STR	19'-2"	13
A32	1	4	STR	19'-5"	13	A73	1	4	STR	16'-4"	11
A33	1	4	STR	16'-7"	11	A74	1	4	STR	13'-7"	9
A34	1	4	STR	13'-9"	9	A75	1	4	STR	10'-9"	7
A35	1	4	STR	10'-10"	7	A76	1	4	STR	7'-11"	5
A36	1	4	STR	8'-0"	5	A77	1	4	STR	5'-1"	3
A37	1	4	STR	5'-2"	3	A78	1	4	STR	2'-4"	2
A38	1	4	STR	2'-3"	2	* B51	5	6	STR	31'-1"	233
* B1	5	6	STR	24'-3"	182	* B52	5	6	STR	30'-8"	230
* B2	5	6	STR	24'-9"	186	* B53	5	6	STR	30'-3"	227
* B3	5	6	STR	25'-2"	189	* B54	5	6	STR	29'-9"	223
* B4	5	6	STR	25'-7"	192	* B55	5	6	STR	29'-4"	220
* B5	5	6	STR	26'-0"	195	* B56	5	6	STR	28'-11"	217
* B6	5	6	STR	26'-6"	199	* B57	5	6	STR	28'-5"	213
* B7	5	6	STR	26'-11"	202	* B58	5	6	STR	28'-0"	210
* B8	5	6	STR	27'-4"	205	* B59	5	6	STR	27'-7"	207
* B9	5	6	STR	27'-10"	209	* B60	5	6	STR	27'-1"	203
* B10	5	6	STR	28'-3"	212	* B61	5	6	STR	26'-8"	200
* B11	5	6	STR	28'-8"	215	* B62	5	6	STR	26'-3"	197
* B12	5	6	STR	29'-1"	218	* B63	5	6	STR	25'-9"	193
* B13	5	6	STR	29'-7"	222	* B64	5	6	STR	25'-4"	190
* B14	5	6	STR	30'-0"	225	* B65	5	6	STR	24'-11"	187
* B15	5	6	STR	30'-5"	228	* B66	5	6	STR	24'-5"	183
* B16	5	6	STR	30'-10"	232	* B67	3	6	STR	24'-2"	109
* B17	3	6	STR	31'-4"	141	B68	5	8	STR	31'-7"	422
B18	5	8	STR	24'-8"	329	B69	5	8	STR	31'-2"	416
B19	5	8	STR	25'-2"	336	B70	5	8	STR	30'-9"	411
B20	5	8	STR	25'-7"	342	B71	5	8	STR	30'-3"	404
B21	5	8	STR	26'-0"	347	B72	5	8	STR	29'-10"	398
B22	5	8	STR	26'-5"	353	B73	5	8	STR	29'-5"	393
B23	5	8	STR	26'-11"	359	B74	5	8	STR	28'-11"	386
B24	5	8	STR	27'-4"	365	B75	5	8	STR	28'-6"	380
B25	5	8	STR	27'-9"	370	B76	5	8	STR	28'-1"	375
B26	5	8	STR	28'-3"	377	B77	5	8	STR	27'-7"	368
B27	5	8	STR	28'-8"	383	B78	5	8	STR	27'-2"	363
B28	5	8	STR	29'-1"	388	B79	5	8	STR	26'-9"	357
B29	5	8	STR	29'-6"	394	B80	5	8	STR	26'-3"	350
B30	5	8	STR	30'-0"	401	B81	5	8	STR	25'-10"	345
B31	5	8	STR	30'-5"	406	B82	5	8	STR	25'-5"	339
B32	5	8	STR	30'-10"	412	B83	5	8	STR	24'-11"	333
B33	5	8	STR	31'-3"	417	B84	3	8	STR	24'-8"	329
B34	3	8	STR	31'-9"	254	* B85	2	5	3	6'-3"	13
* B35	2	5	3	6'-3"	13	* B86	14	5	STR	11'-6"	168
* B36	14	5	STR	11'-6"	168	G2	1	5	STR	41'-11"	44
G1	1	5	STR	42'-3"	44	* S1	48	5	STR	3'-5"	171
* S1	48	5	STR	3'-5"	171	* S2	48	5	1	4'-3"	213
* S2	48	5	1	4'-3"	213	* S3	20	5	2	2'-5"	50
* S3	20	5	2	2'-5"	50	REINFORCING STEEL	LBS.	7,868	REINFORCING STEEL	LBS.	7,978
REINFORCING STEEL	LBS.	7,868	REINFORCING STEEL	LBS.	7,978	* EPOXY COATED	LBS.	6,533	* EPOXY COATED	LBS.	6,506
* EPOXY COATED	LBS.	6,533	* EPOXY COATED	LBS.	6,506	CLASS AA CONCRETE BREAKDOWN			CLASS AA CONCRETE BREAKDOWN		
CLASS AA CONCRETE BREAKDOWN			CLASS AA CONCRETE BREAKDOWN			POUR #1 SLAB	46.9 C.Y.	POUR #1 SLAB	46.4 C.Y.		
POUR #1 SLAB	46.9 C.Y.		POUR #1 SLAB	46.4 C.Y.		POUR #2 RAIL & CURB	2.7 C.Y.	POUR #2 RAIL & CURB	2.7 C.Y.		
POUR #2 RAIL & CURB	2.7 C.Y.		POUR #2 RAIL & CURB	2.7 C.Y.		CLASS AA CONCRETE	49.6 C.Y.	CLASS AA CONCRETE	49.1 C.Y.		
CLASS AA CONCRETE	49.6 C.Y.		CLASS AA CONCRETE	49.1 C.Y.							



ALL BAR DIMENSIONS ARE OUT TO OUT

PROJECT NO. B-3887  
 PENDER COUNTY  
 STATION: 15+64.50 -L-

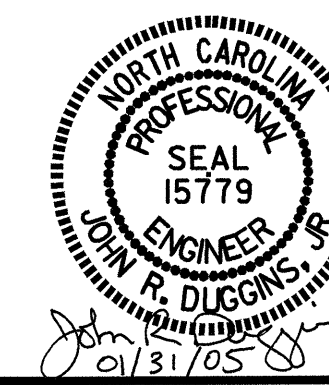
SHEET 3 OF 3

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

STANDARD  
 BRIDGE APPROACH  
 SLAB DETAILS

ASSEMBLED BY : D. HODGE	DATE : 5/04
CHECKED BY : H. KIM	DATE : 6/04
DRAWN BY : FCJ 11/88	REV. 8/16/99 MAB/LES
CHECKED BY : ARB 11/88	REV. 10/17/00 RFW/LES
	REV. 5/7/03 RWW/JTE

31-JAN-2005 14:27  
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 clewis



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-23
1			3			TOTAL SHEETS
2			4			23

STD. NO. BAS10 STR. #1