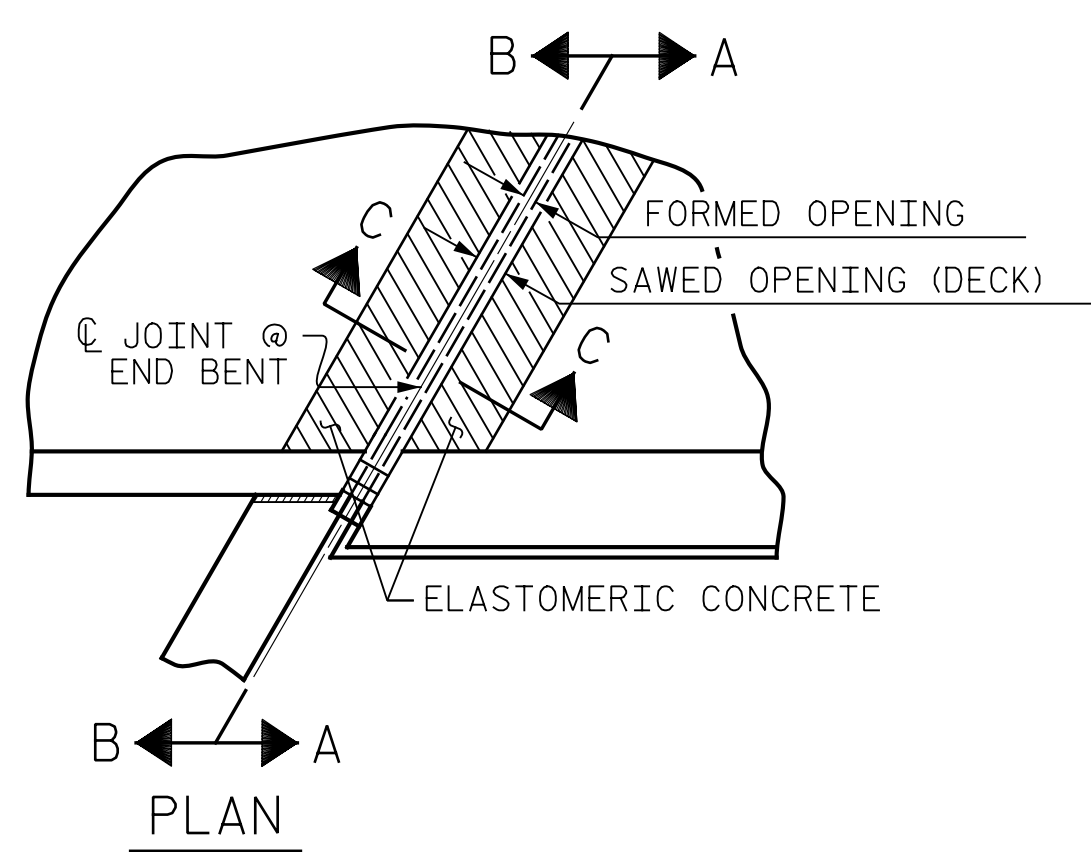
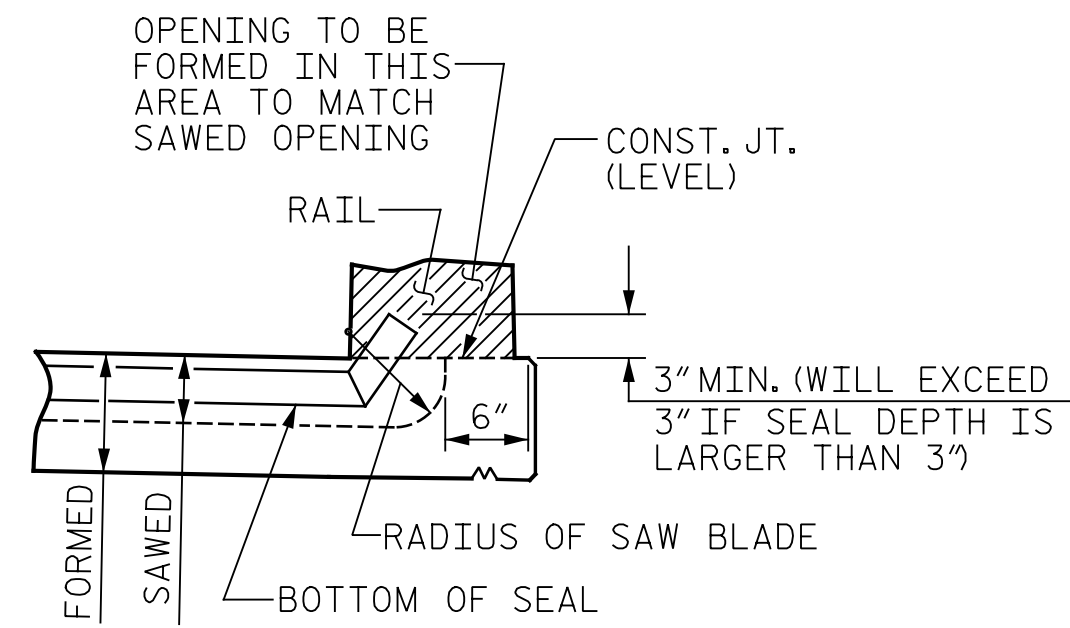


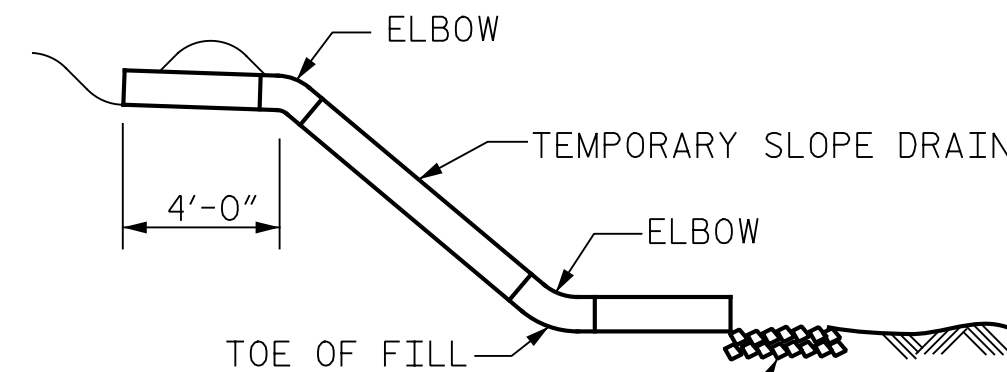
**SECTION C-C**  
FOAM JOINT SEAL  
(PRE-SAWED ELASTOMERIC  
CONCRETE DIMENSIONS)



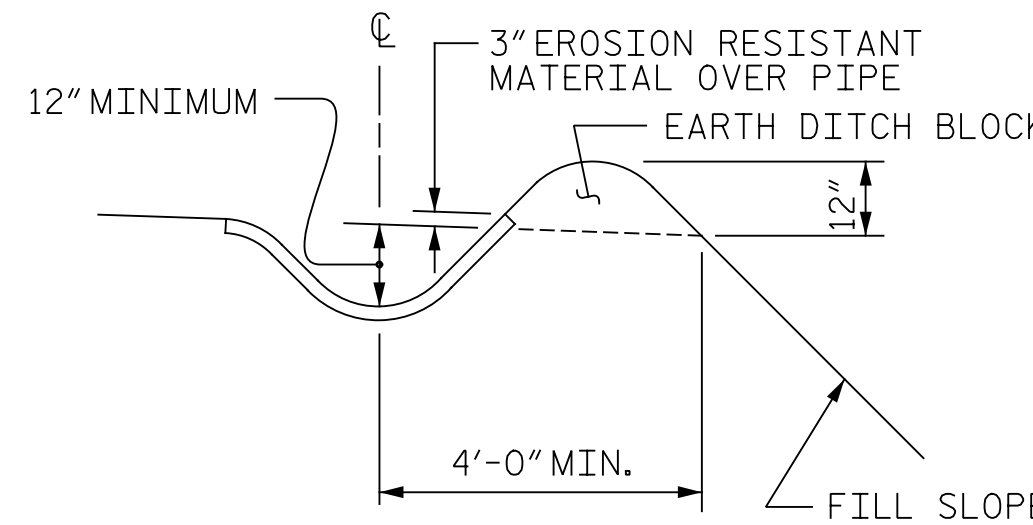
**PLAN**



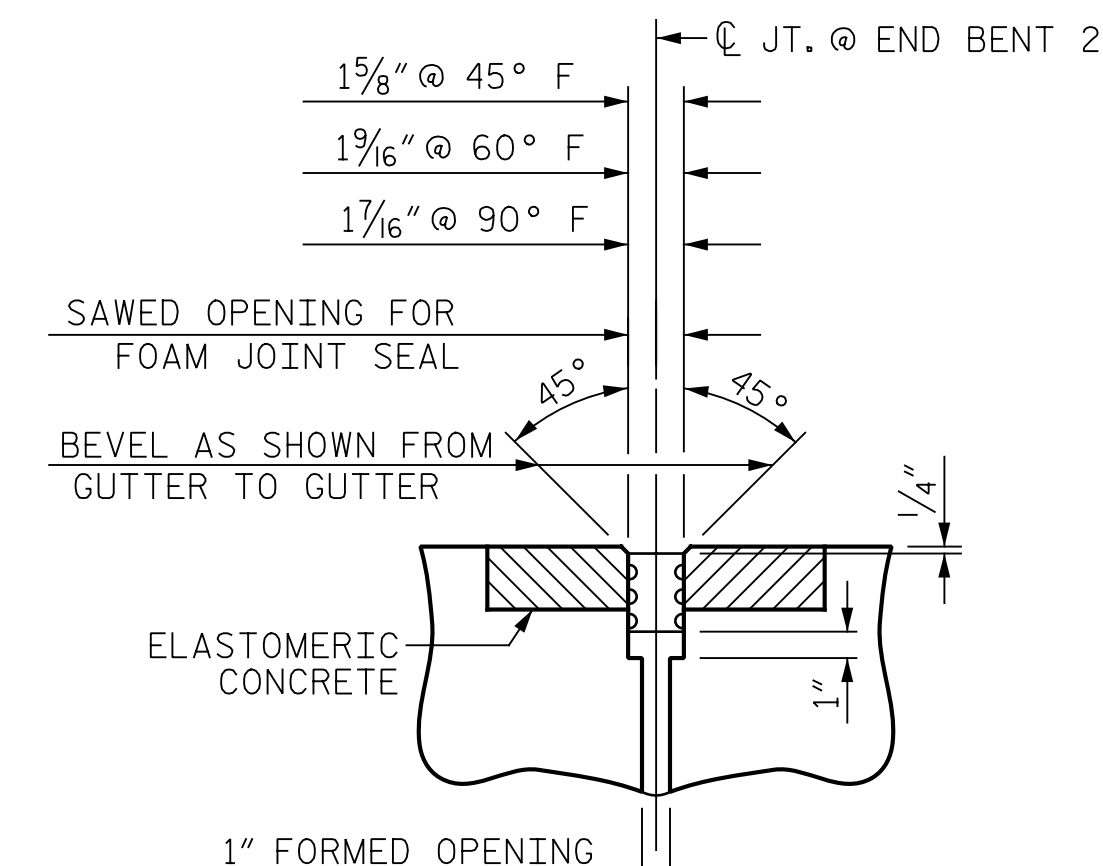
**SECTION A-A**



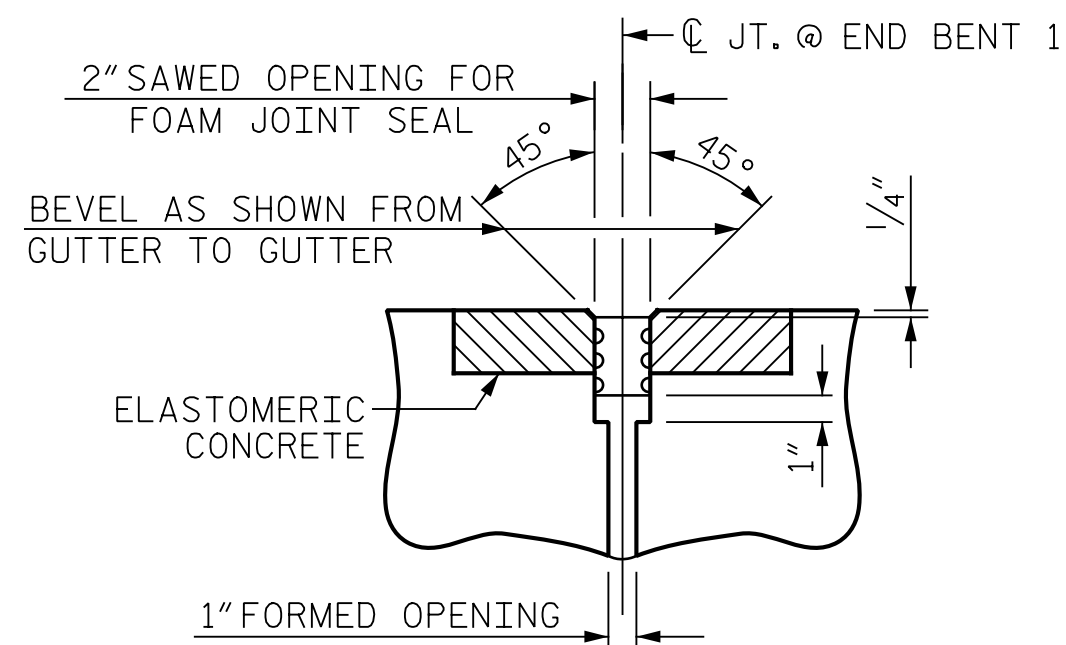
**SECTION R-R**



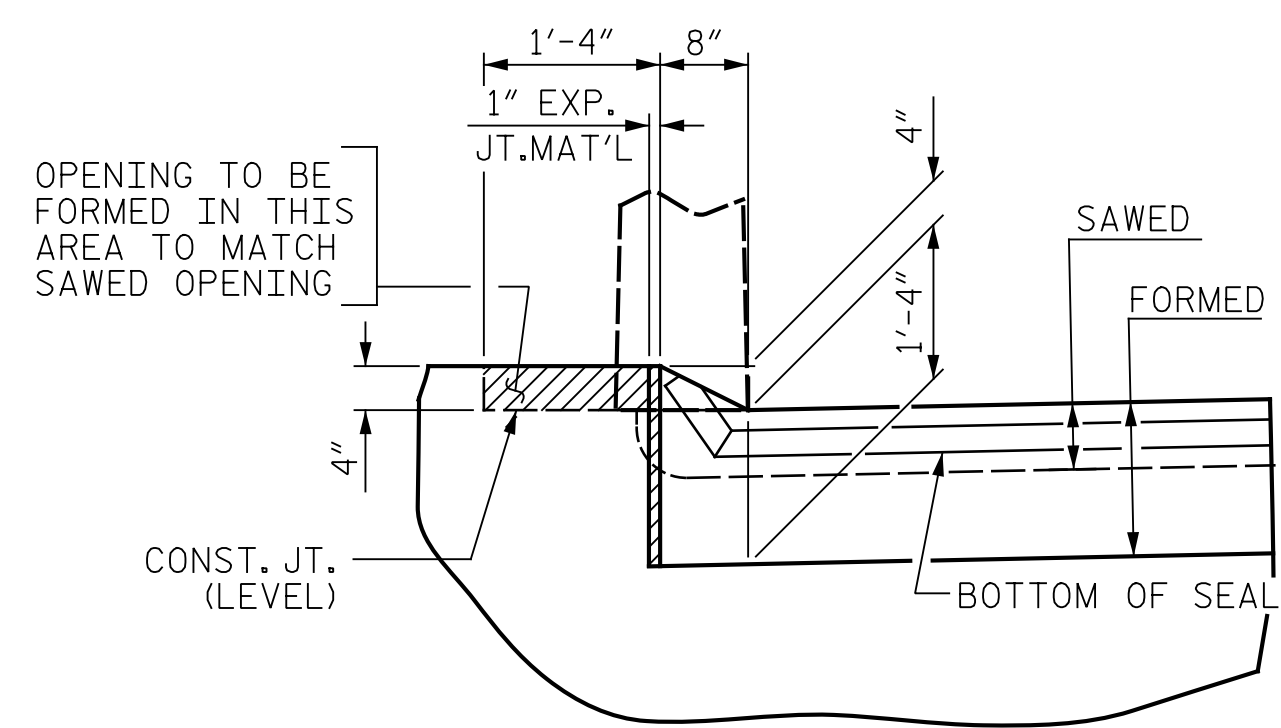
**SECTION S-S**



**SECTION C-C**  
FOAM JOINT SEAL  
(EXPANSION)



**SECTION C-C**  
FOAM JOINT SEAL  
(FIXED)



**SECTION B-B**

**JOINT SEAL DETAILS @ END BENT**

FOAM JOINT SEAL TO BE CUT, HEAT WELDED AND TURNED UP PARALLEL TO SLOPED FACE OF THE BARRIER RAIL.  
THE JOINT SHALL BE SAWED PRIOR TO THE CASTING OF THE BARRIER RAIL.

**ELASTOMERIC CONCRETE**

END BENT NO.	ELASTOMERIC CONCRETE * (CU. FT.)
1	6.8
2	6.8
<b>TOTAL</b>	<b>13.6</b>

\* BASED ON THE MINIMUM BLOCKOUT SHOWN.

**SPLICE LENGTHS CHART**

BAR SIZE	EPOXY COATED	UNCOATED
#4	2'-0"	1'-9"
#5	2'-6"	2'-2"
#6	3'-10"	2'-7"

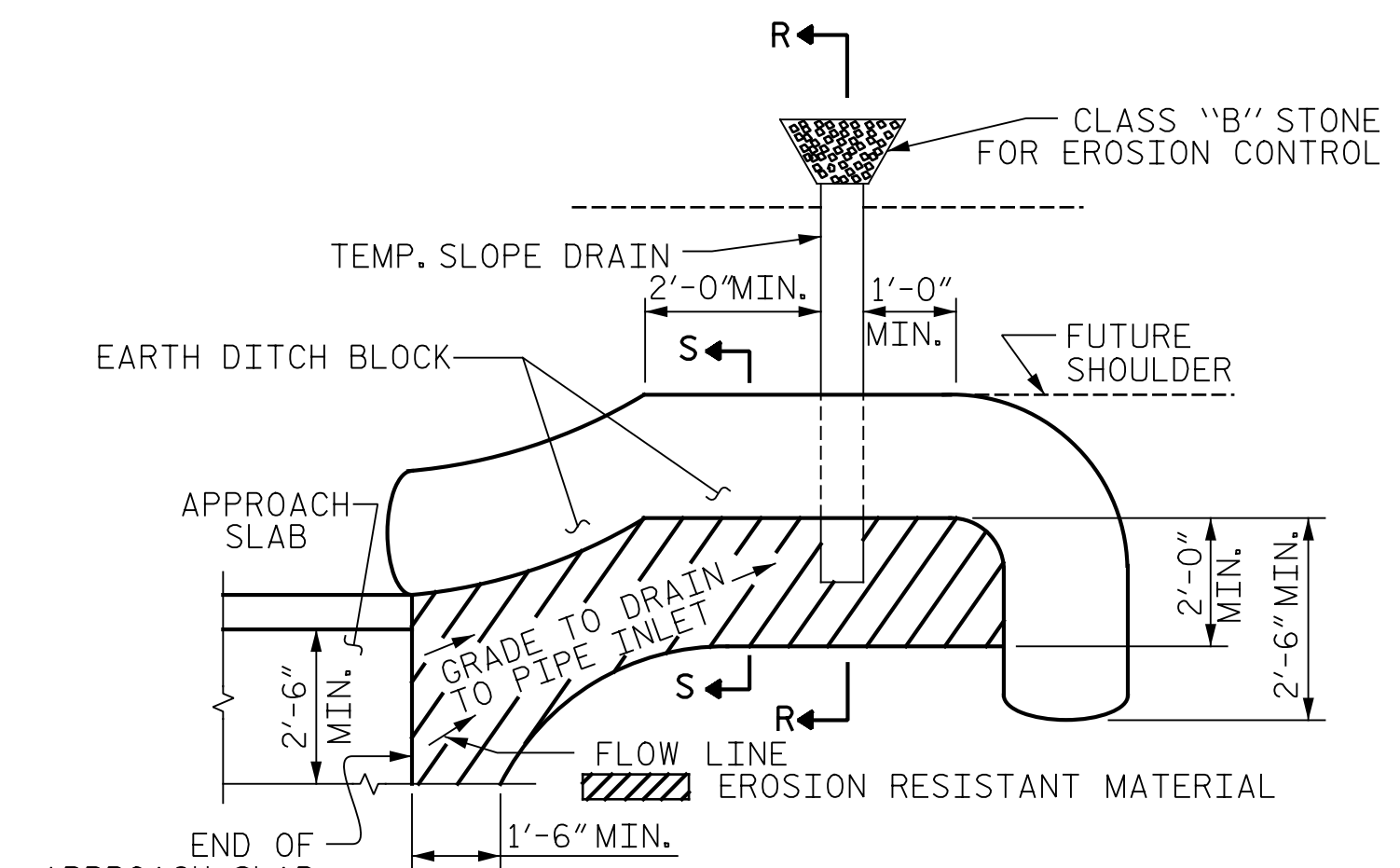
**NOTES:**

APPROACH SLAB SHALL NOT BE CONSTRUCTED PRIOR TO COMPLETION OF THE BRIDGE DECK.  
FOR MSE WALL BACKFILL SEE 'MSE RETAINING WALL' PLANS.  
FOR FOAM JOINT SEALS SEE SPECIAL PROVISIONS.  
THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE FOAM JOINT SEAL SHALL BE 2".  
FOR ELASTOMERIC CONCRETE, SEE SPECIAL PROVISIONS.

**BILL OF MATERIAL**

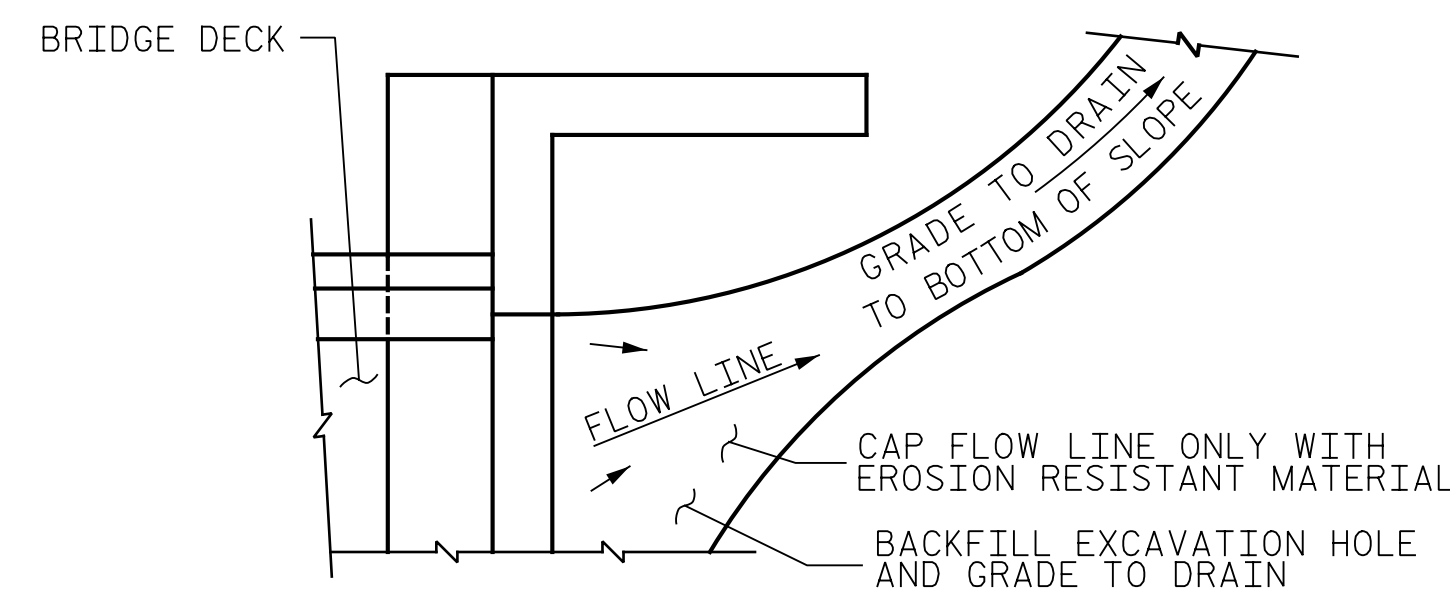
**FOR ONE APPROACH SLAB (2 REQUIRED)**

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
*A1	50	#4	STR	21'-2"	707	
A2	52	#4	STR	21'-0"	730	
*B1	51	#5	STR	24'-2"	1286	
B2	51	#6	STR	24'-8"	1890	
REINFORCING STEEL					LBS.	2620
*EPOXY COATED REINFORCING STEEL					LBS.	1993
CLASS AA CONCRETE					C. Y.	27.9



**PLAN VIEW**

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.



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.

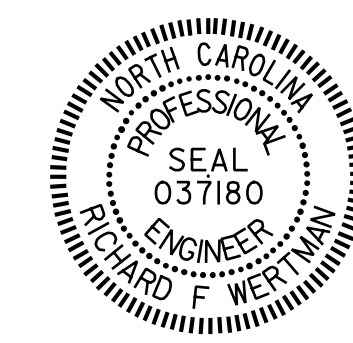
**TEMPORARY DRAINAGE DETAIL**

**TEMPORARY BERM AND SLOPE DRAIN DETAILS**

(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)

PROJECT NO. 41665.7A  
CUMBERLAND COUNTY  
STATION: 21+57.23 -L-  
109+69.94 -L2-

SHEET 2 OF 2



DocuSigned by:  
Richard F. Wernham  
08901AB8E9F8470...  
11/7/2017

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

**STANDARD  
BRIDGE APPROACH  
SLAB DETAILS**

**REVISIONS**

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO.  
S01-23  
TOTAL SHEETS  
24

ASSEMBLED BY : B.A. WHITE	DATE : 09/18/17
CHECKED BY : T.M. FORD	DATE : 09/27/17
DRAWN BY : FCJ 11/88	REV. 10/1/11 MAA/GM
CHECKED BY : ARB 11/88	REV. 7/12 MAA/GM
	REV. 6/13 MAA/GM

PLANS PREPARED BY:  
**Gannett Fleming**  
Excellence Delivered As Promised  
2610 Wycliff Road  
Suite 102  
Raleigh, NC 27607-3073  
(919) 420-7660  
[NC Lic. No. F-0270]

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED