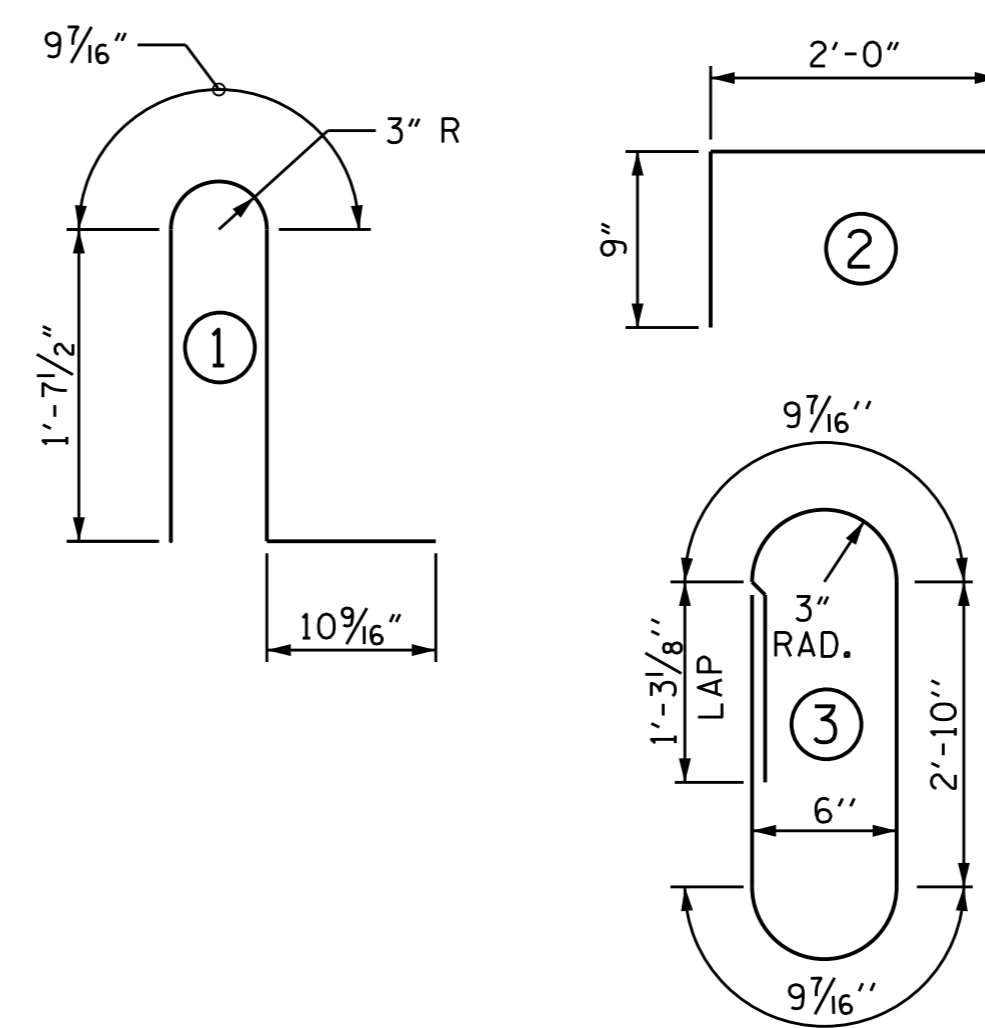


NOTE: IF THE APPROACH SLAB IS NOT CONSTRUCTED IMMEDIATELY AFTER THE BACKFILLING OF THE END BENT EXCAVATION, GRADE TO DRAIN TO THE BOTTOM OF THE SLOPE AND PROVIDE EROSION RESISTANT MATERIAL, SUCH AS FIBERGLASS ROVING OR AS DIRECTED BY THE ENGINEER TO PREVENT SOIL EROSION AND TO PROTECT THE AREA ADJACENT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

**TEMPORARY DRAINAGE DETAIL**

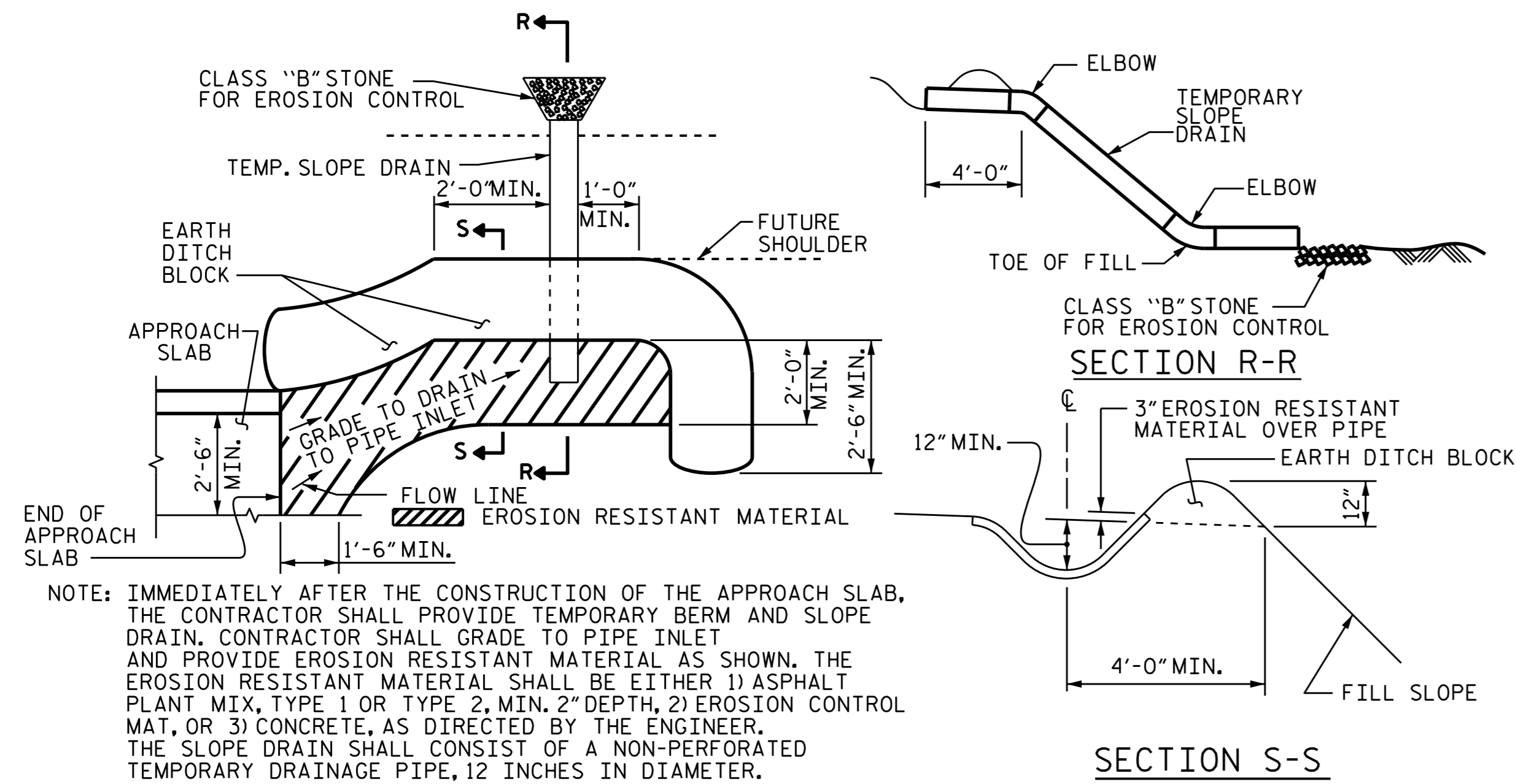
**BAR TYPES**



ALL BAR DIMENSIONS ARE OUT TO OUT.

**BILL OF MATERIAL**

APPROACH SLAB AT EB #1						APPROACH SLAB AT EB #2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	52	#4	STR	21'-10"	758	* A1	52	#4	STR	21'-10"	758
* A2	52	#4	STR	21'-10"	758	* A2	52	#4	STR	21'-10"	758
* B1	84	#5	STR	24'-3"	2125	* B1	84	#5	STR	24'-3"	2125
* B2	84	#6	STR	24'-9"	3123	* B2	84	#6	STR	24'-9"	3123
* S1	68	#5	1	4'-11"	349	* S1	68	#5	1	4'-11"	349
* U1	20	#4	2	3'-6"	47	* U1	20	#4	2	3'-6"	47
* EPOXY COATED REINFORCING STEEL LBS. 7160						* EPOXY COATED REINFORCING STEEL LBS. 7160					
CLASS AA CONCRETE C. Y. 48.8						CLASS AA CONCRETE C. Y. 48.8					
CLASSIC CONCRETE BRIDGE RAIL						CLASSIC CONCRETE BRIDGE RAIL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B3	4	#5	STR	24'-9"	103	* B3	4	#5	STR	24'-9"	103
* B4	4	#7	STR	24'-9"	202	* B4	4	#7	STR	24'-9"	202
* S2	68	#5	3	8'-6"	603	* S2	68	#5	3	8'-6"	603
* EPOXY COATED REINFORCING STEEL LBS. 908						* EPOXY COATED REINFORCING STEEL LBS. 908					
CLASS AA CONCRETE C. Y. 5.5						CLASS AA CONCRETE C. Y. 5.5					
CLASSIC CONCRETE BRIDGE RAIL 50.17 LIN. FT.						CLASSIC CONCRETE BRIDGE RAIL 50.17 LIN. FT.					
SIDEWALK						SIDEWALK					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B5	12	#4	STR	24'-9"	198	* B5	12	#4	STR	24'-9"	198
* G1	50	#4	STR	6'-0"	200	* G1	50	#4	STR	6'-0"	200
* EPOXY COATED REINFORCING STEEL LBS. 398						* EPOXY COATED REINFORCING STEEL LBS. 398					
CLASS AA CONCRETE C. Y. 7.9						CLASS AA CONCRETE C. Y. 7.9					



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**

**TEMPORARY BERM AND SLOPE DRAIN DETAILS**

(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)

**NOTES**

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

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.

CLASSIC CONCRETE BRIDGE RAIL SHALL NOT BE CAST UNTIL ALL APPROACH SLAB CONCRETE HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

ALL PARTS OF THE CLASSIC CONCRETE BRIDGE RAIL INCLUDING BUT NOT LIMITED TO THE REINFORCING STEEL, CLASS AA CONCRETE, AND INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID PER FOOT OF "CLASSIC CONCRETE BRIDGE RAIL".

ALL REINFORCING STEEL IN APPROACH SLAB SHALL BE EPOXY COATED.

APPROACH SLAB GROOVING IS REQUIRED.

PROJECT NO. B-5300  
BEAUFORT COUNTY  
 STATION: 18+77.50 -L-

SHEET 2 OF 3

DocuSigned by:  
 A. Keith Paschal  
 F886AD0B2FC48F...

1/19/2016



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

BRIDGE APPROACH SLAB  
 FOR PRESTRESSED CONCRETE  
 CORED SLAB UNIT

ASSEMBLED BY : P.N.HOLDER DATE : 09/15  
 CHECKED BY : K.P.SEDAI DATE : 10/12  
 DESIGN ENGINEER OF RECORD: P.N.HOLDER DATE : 10/12

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-29	
1			3			TOTAL SHEETS	30
2			4				