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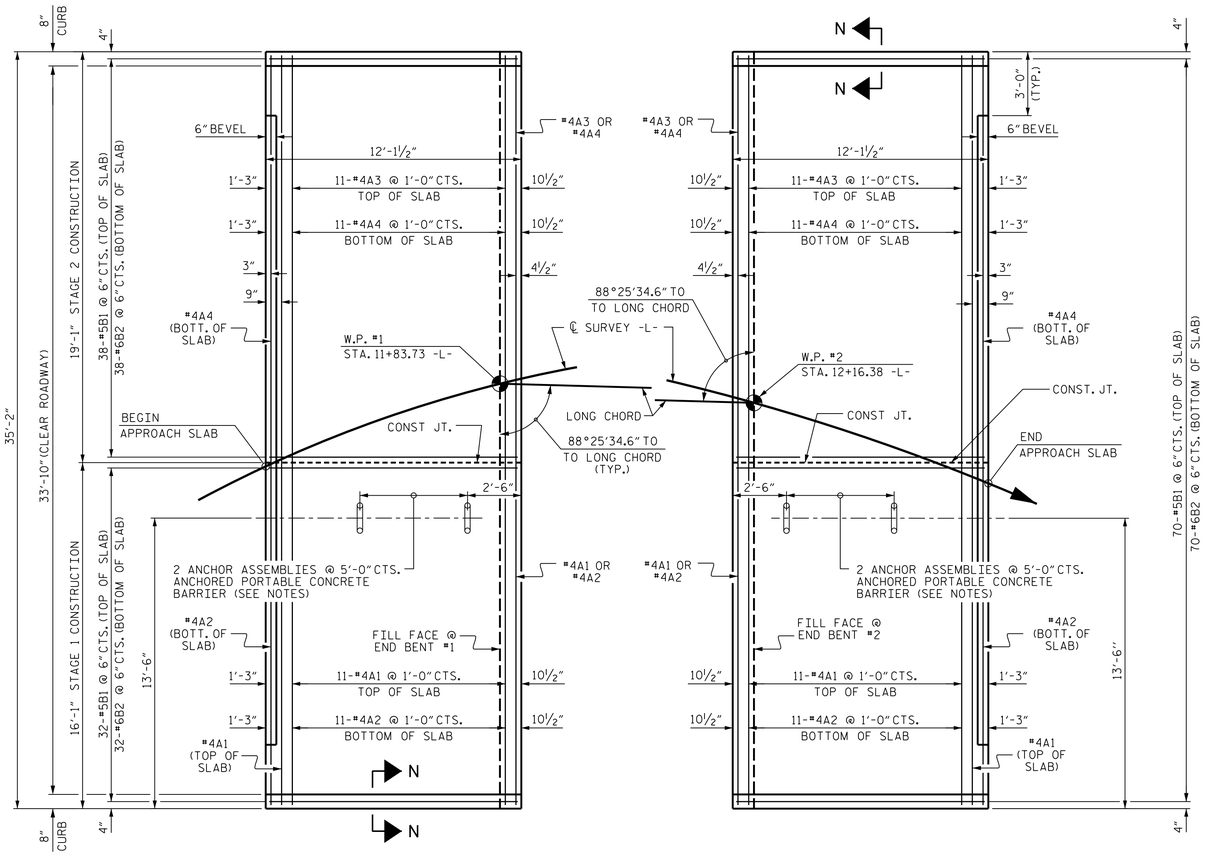


PLAN @ END BENT #1

PLAN @ END BENT #2

DIMENSIONS SHOWN ARE TYPICAL FOR BOTH APPROACH SLABS

NOTES

FOR BRIDGE APPROACH FILL INCLUDING GEOTEXTILE, 4" Ø DRAINAGE PIPE, AND #78M STONE BACKFILL, SEE ROADWAY PLANS.

GEOTEXTILE SHALL BE TYPE 1IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS SECTION 1056.

#78M STONE BACKFILL (CLASS V SELECT MATERIAL) SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 1016.

#78M STONE BACKFILL IS TO BE CONTINUOUS ALONG FILL FACE OF BACKWALL FROM OUTSIDE EDGE TO OUTSIDE EDGE OF APPROACH SLAB.

FOR THE 4" Ø DRAINAGE PIPE OUTLET(S), SEE ROADWAY STANDARD DRAWINGS.

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.

APPROACH SLAB GROOVING IS NOT REQUIRED.

FOR DETAILS OF ANCHOR ASSEMBLY FOR ANCHORED PORTABLE CONCRETE BARRIER IN BRIDGE APPROACH SLABS, SEE "PRESTRESSED CONCRETE SLAB UNIT DETAILS", SHEET 2 OF 3.

ANCHOR ASSEMBLIES FOR ANCHORED PORTABLE CONCRETE BARRIER IN BRIDGE APPROACH SLABS WILL BE PAID FOR UNDER LUMP SUM PRICE FOR BRIDGE APPROACH SLABS.

BILL OF MATERIAL

APPROACH SLAB AT EB #1

STAGE 1 CONSTRUCTION

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	26	#4	STR	17'-8"	307
A2	26	#4	STR	17'-8"	307
* B1	32	#5	STR	11'-2"	373
B2	32	#6	STR	11'-8"	561
REINFORCING STEEL				LBS.	868
* EPOXY COATED REINFORCING STEEL				LBS.	680
CLASS AA CONCRETE				C.Y.	18.3

STAGE 2 CONSTRUCTION

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A3	26	#4	STR	18'-10"	327
A4	26	#4	STR	18'-10"	327
* B1	38	#5	STR	11'-2"	443
B2	38	#6	STR	11'-8"	666
REINFORCING STEEL				LBS.	993
* EPOXY COATED REINFORCING STEEL				LBS.	770
CLASS AA CONCRETE				C.Y.	21.7

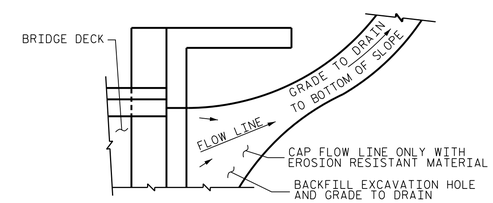
APPROACH SLAB AT EB #2

STAGE 1 CONSTRUCTION

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	26	#4	STR	17'-8"	307
A2	26	#4	STR	17'-8"	307
* B1	32	#5	STR	11'-2"	373
B2	32	#6	STR	11'-8"	561
REINFORCING STEEL				LBS.	868
* EPOXY COATED REINFORCING STEEL				LBS.	680
CLASS AA CONCRETE				C.Y.	18.3

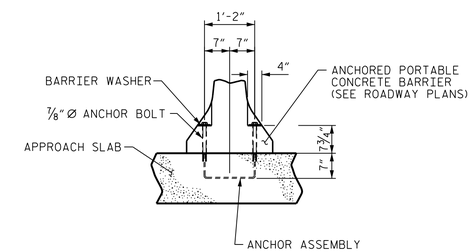
STAGE 2 CONSTRUCTION

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A3	26	#4	STR	18'-10"	327
A4	26	#4	STR	18'-10"	327
* B1	38	#5	STR	11'-2"	443
B2	38	#6	STR	11'-8"	666
REINFORCING STEEL				LBS.	993
* EPOXY COATED REINFORCING STEEL				LBS.	770
CLASS AA CONCRETE				C.Y.	21.7



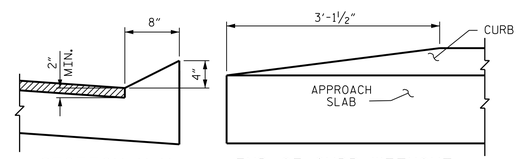
NOTE: IF THE APPROACH SLAB IS NOT CONSTRUCTED IMMEDIATELY AFTER THE BACKFILLING OF THE END BENT EXCAVATION, GRADE TO DRAIN TO THE BOTTOM OF THE SLOPE AND PROVIDE EROSION RESISTANT MATERIAL, SUCH AS FIBERGLASS ROVING OR AS DIRECTED BY THE ENGINEER TO PREVENT SOIL EROSION AND TO PROTECT THE AREA ADJACENT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

TEMPORARY DRAINAGE DETAIL



ANCHOR ASSEMBLY PLACEMENT DETAIL

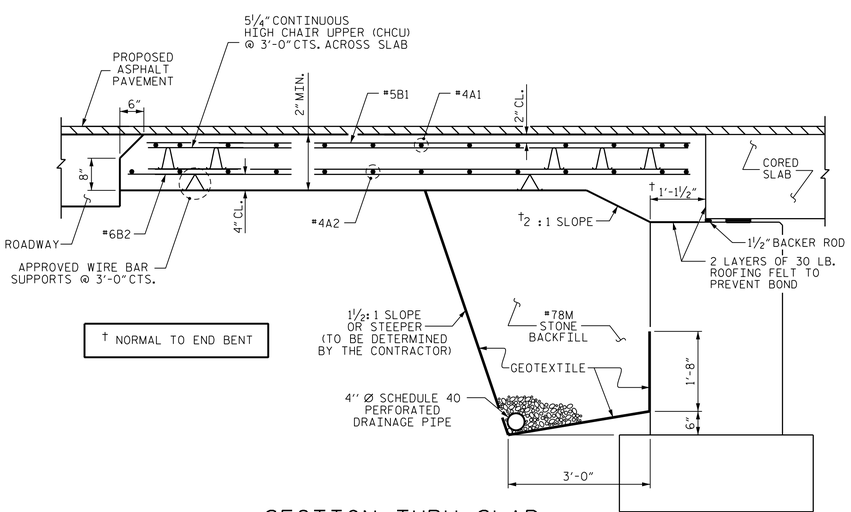
SHOWING PLACEMENT OF ANCHOR ASSEMBLY



SECTION N-N

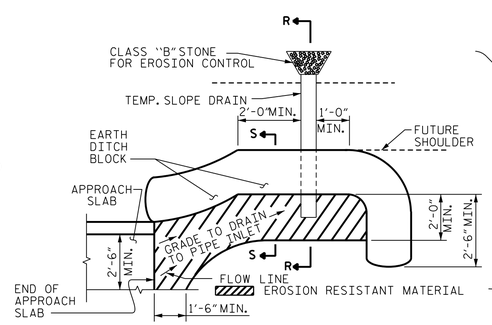
END OF CURB WITHOUT SHOULDER BERM GUTTER

CURB DETAILS



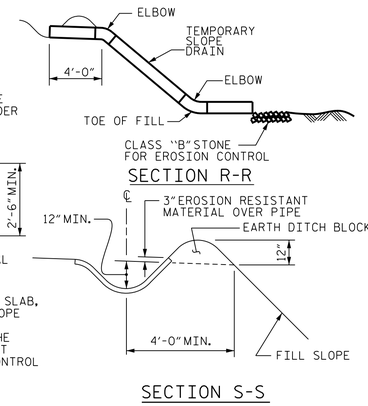
† NORMAL TO END BENT

SECTION THRU SLAB



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

(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)

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

PROJECT NO. 17BP.14.R.42

HAYWOOD COUNTY

STATION: 12+00.00 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
BRIDGE APPROACH SLAB
FOR PRESTRESSED CONCRETE
CORED SLAB UNIT
(SUB-REGIONAL TIER)
90° SKEW

NORTH CAROLINA PROFESSIONAL SEAL 14047 ENGINEER STEPHEN D. COOK
10/28/2014

THE LOUIS BERGER GROUP, Inc.
1001 Wade Avenue, Suite 400
Raleigh, NC 27605-3322
NC COA No. F-0840

REVISIONS							
NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.	S-21
1			3			TOTAL SHEETS	21
2			4				

STD. NO. BAS_36_90S

ASSEMBLED BY : R. KNIGHT		DATE : JULY 2012	
CHECKED BY : M. PAYNE		DATE : JULY 2012	
DRAWN BY : SHS/MAA 5-09	REV. 12-11	MAA/AAC	
CHECKED BY : BCH 5-09			

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10/28/2014