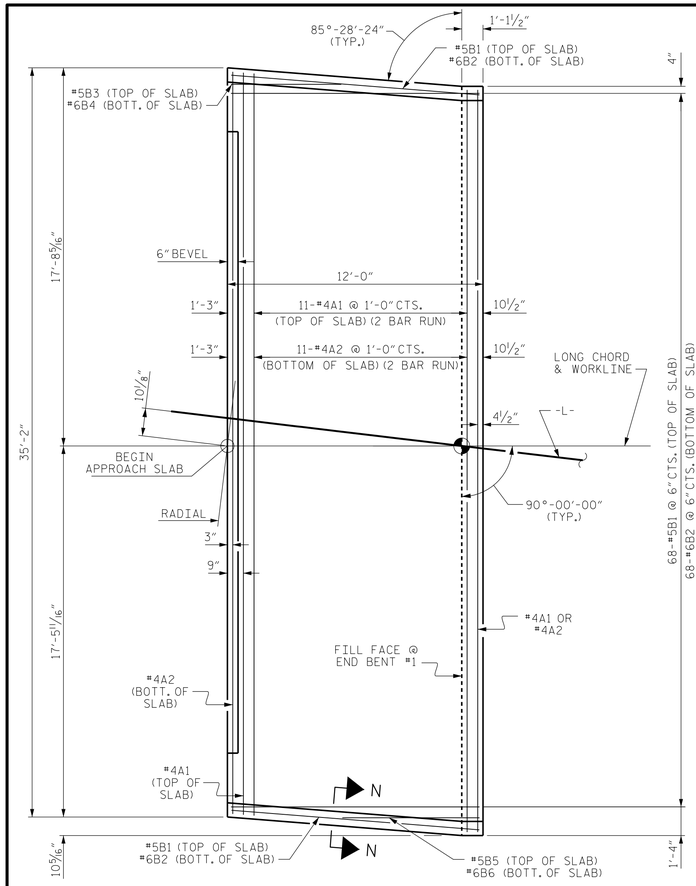
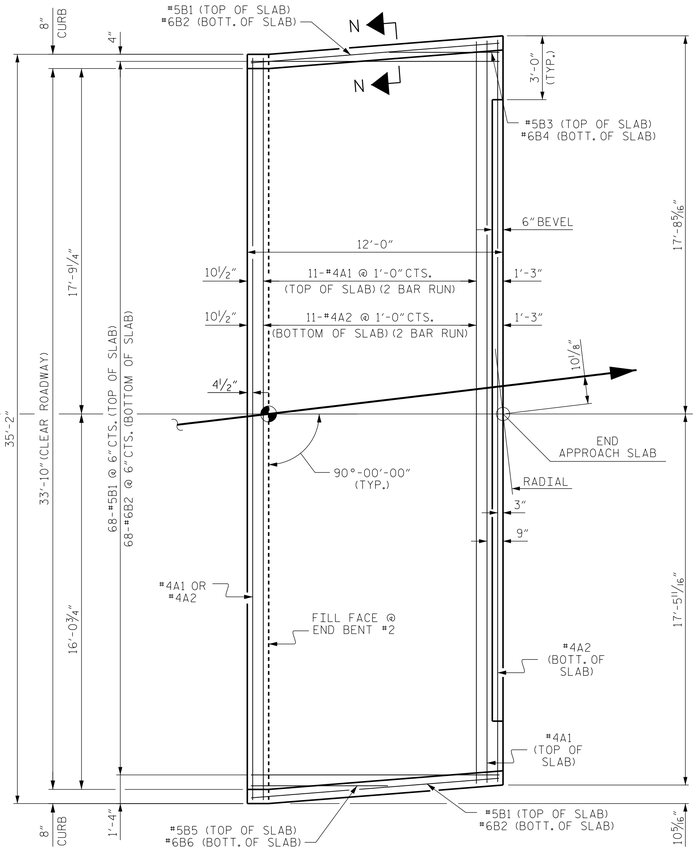
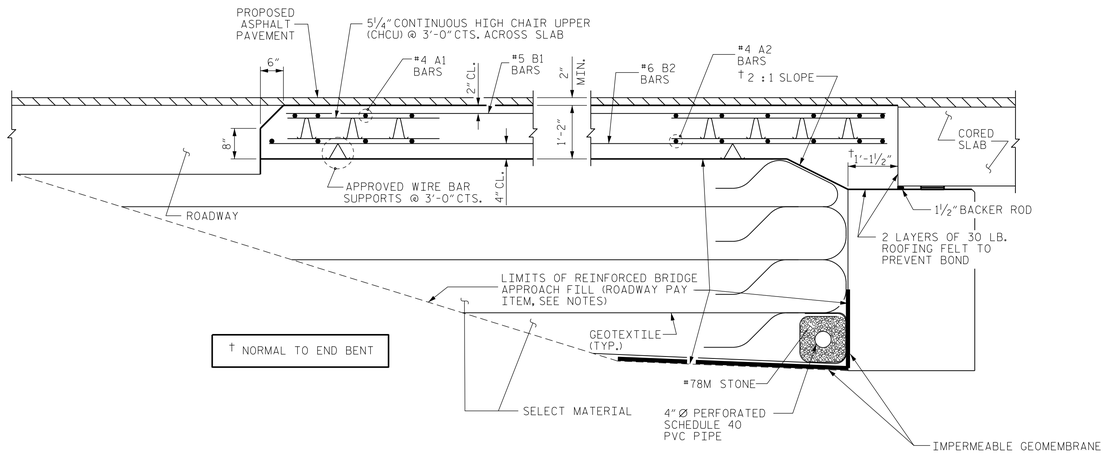


PLAN @ END BENT #1



PLAN @ END BENT #2

DIMENSIONS SHOWN ARE TYPICAL FOR BOTH APPROACH SLABS



† NORMAL TO END BENT

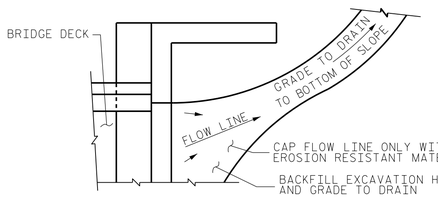
SECTION THRU SLAB

NOTES

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

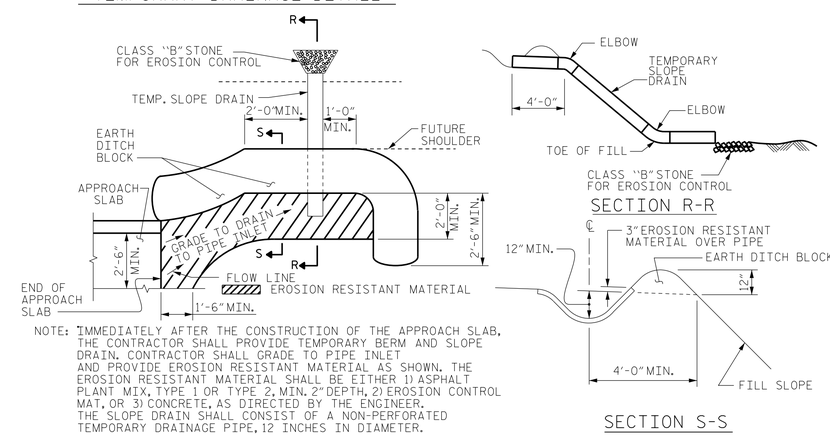
AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED. SEE ROADWAY PLANS.

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

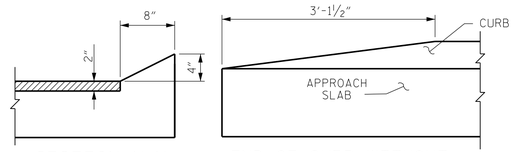


NOTE: IMMEDIATELY AFTER THE CONSTRUCTION OF THE APPROACH SLAB, THE CONTRACTOR SHALL PROVIDE TEMPORARY BERM AND SLOPE DRAIN. CONTRACTOR SHALL GRADE TO PIPE INLET AND PROVIDE EROSION RESISTANT MATERIAL AS SHOWN. THE EROSION RESISTANT MATERIAL SHALL BE EITHER 1) ASPHALT PLANT MIX, TYPE 1 OR TYPE 2, MIN.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



SECTION N-N — END OF CURB WITHOUT SHOULDER BERM GUTTER

CURB DETAILS

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

BILL OF MATERIAL — APPROACH SLAB AT EB #1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ A1	26	#4	STR	18'-6"	321
A2	26	#4	STR	18'-4"	318
✱ B1	70	#5	STR	11'-2"	815
B2	70	#6	STR	11'-8"	1227
✱ B3	1	#5	STR	5'-2"	5
B4	1	#6	STR	5'-2"	8
✱ B5	1	#5	STR	6'-4"	7
B6	1	#6	STR	6'-4"	10
REINFORCING STEEL				LBS.	1563
✱ EPOXY COATED REINFORCING STEEL				LBS.	1148
CLASS AA CONCRETE				C.Y.	20.1

APPROACH SLAB AT EB #2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ A1	26	#4	STR	18'-6"	321
A2	26	#4	STR	18'-4"	318
✱ B1	70	#5	STR	11'-2"	815
B2	70	#6	STR	11'-8"	1227
✱ B3	1	#5	STR	5'-2"	5
B4	1	#6	STR	5'-2"	8
✱ B5	1	#5	STR	6'-4"	7
B6	1	#6	STR	6'-4"	10
REINFORCING STEEL				LBS.	1563
✱ EPOXY COATED REINFORCING STEEL				LBS.	1148
CLASS AA CONCRETE				C.Y.	20.1

PROJECT NO. R-5333

ROBESON COUNTY

STATION: 37+28.50 -L-

BRIDGE NO. 174

Dewberry
2610 WYCLIFF ROAD
SUITE 410
RALEIGH, NC 27607
PHONE: 919.881.9939
NC COA No. F-0929

NORTH CAROLINA PROFESSIONAL SEAL 032076 ENGINEER JENNIFER R. McROY

12/9/2016

DocuSigned by: Jennifer R. McRoy E1114C791288475...

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

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

REVISIONS						SHEET No.
No.	BY:	DATE:	No.	BY:	DATE:	S02-23
1			3			TOTAL SHEETS
2			4			23

DRAWN BY : MTB DATE : 04/16
CHECKED BY : JRM DATE : 04/16

12/9/2016 9:54:38 AM
R5333_SD_DSN_174_APPSLAB.dgn
USER: mcroy