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ZCS MGC

REV. 12-17

ASSEMBLED BY :

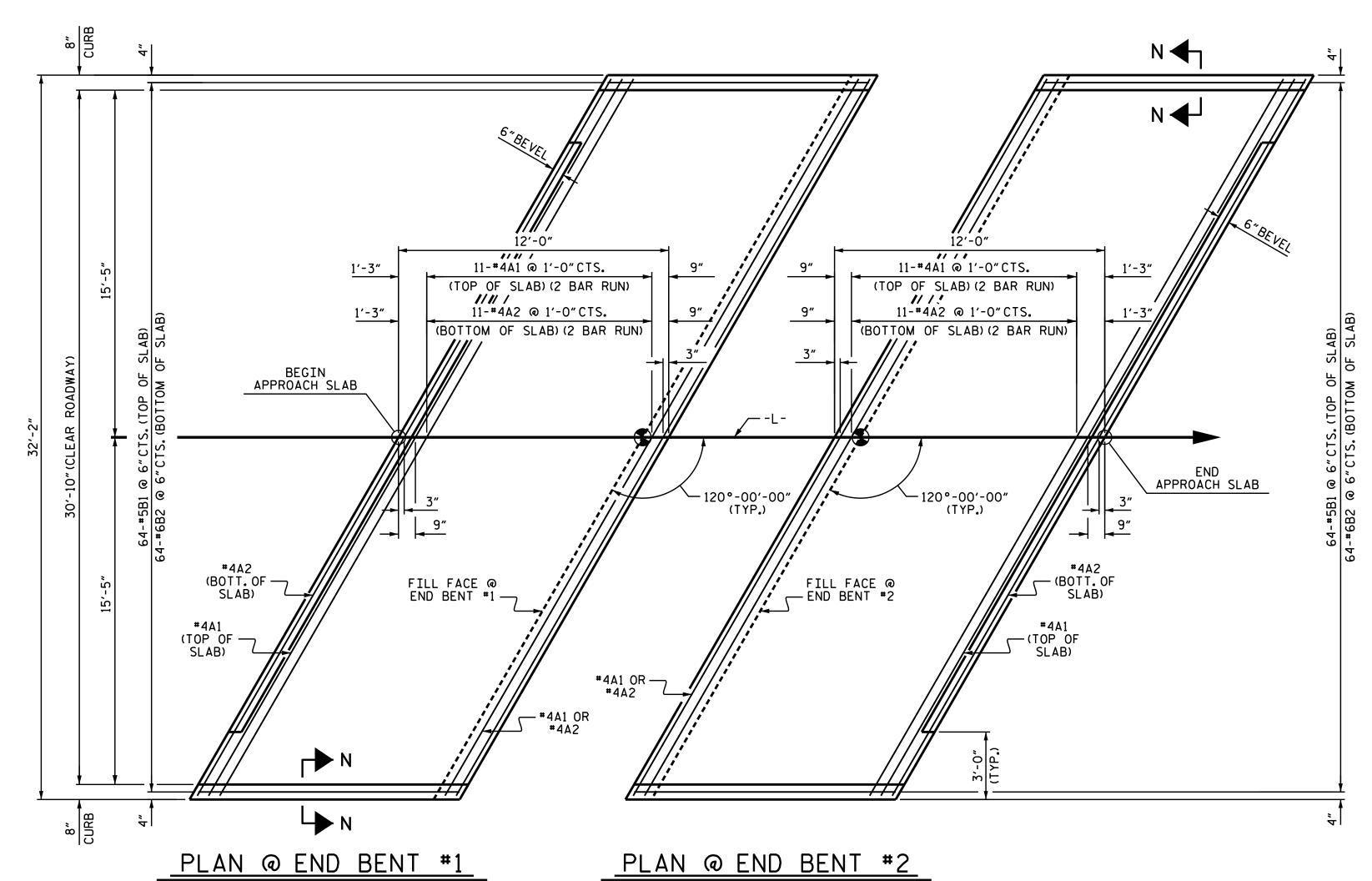
DRAWN BY : SHS/MAA 5-09

CHECKED BY : BCH 5-09

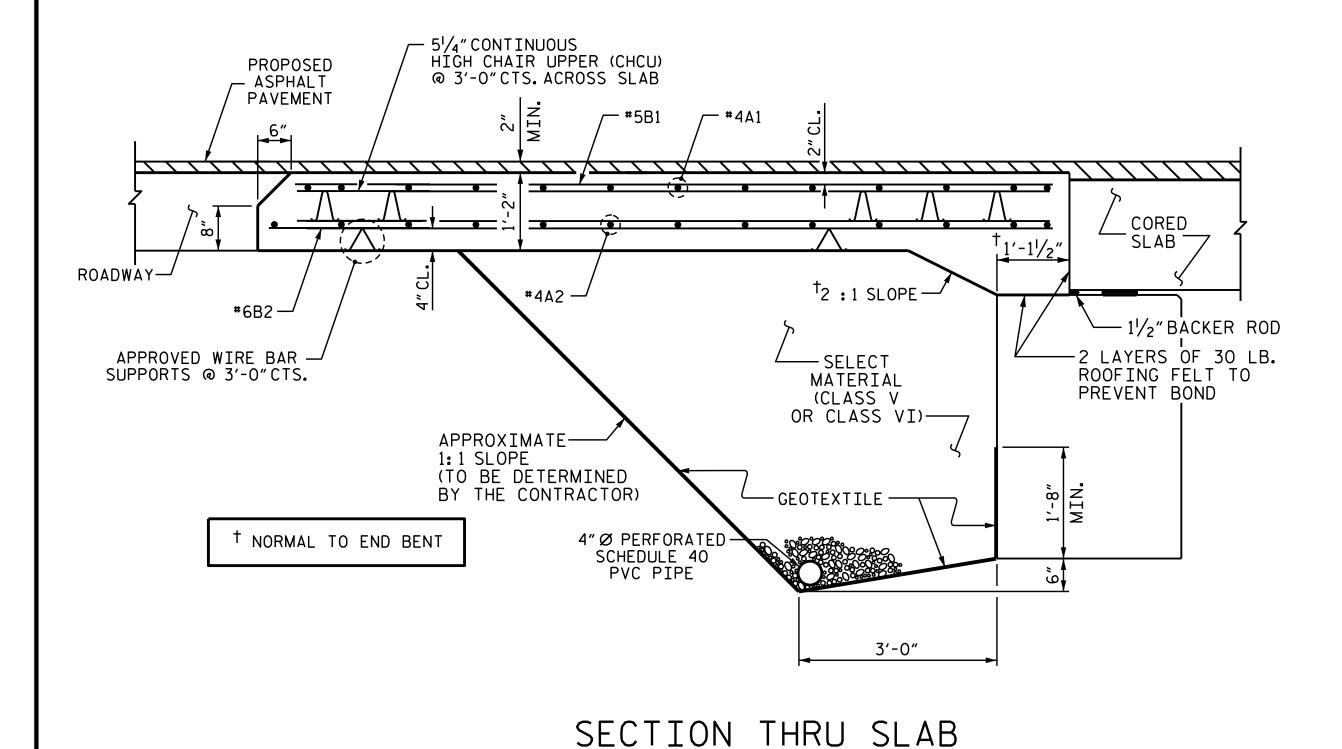
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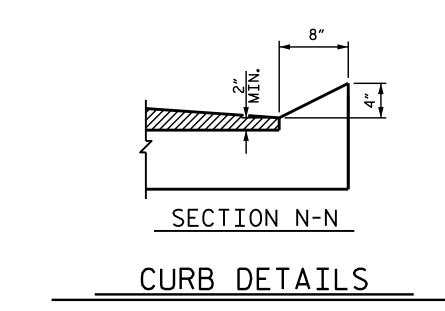
DATE: 06/19 DATE: 09/19

MAA/THC



DIMENSIONS SHOWN ARE TYPICAL FOR BOTH APPROACH SLABS





NOTES

FOR BRIDGE APPROACH FILL INCLUDING GEOTEXTILE, 4" Ø DRAINAGE PIPE, AND SELECT MATERIAL BACKFILL, SEE ROADWAY PLANS.

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

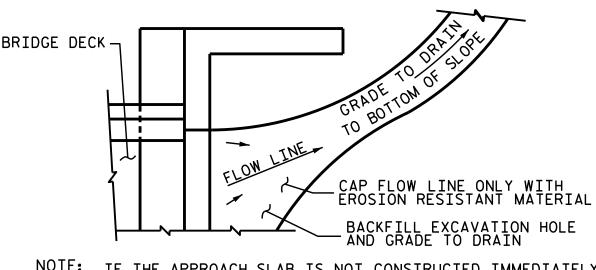
SELECT MATERIAL BACKFILL (CLASS V OR CLASS VI) SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 1016.

SELECT MATERIAL BACKFILL IS TO BE CONTINUOUS ALONG FILL FACE OF BACKWALL FROM OUTSIDE EDGE TO OUTSIDE EDGE OF APPROACH SLAB.

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.

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

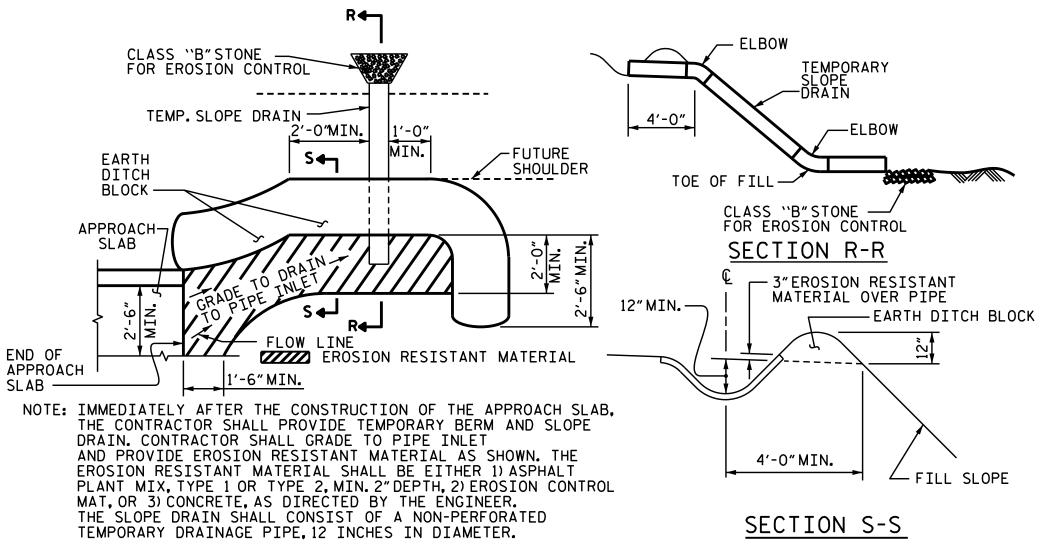
APPROACH SLAB GROOVING IS NOT REQUIRED.



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

APPROACH SLAB AT EB #1 BAR NO. SIZE TYPE LENGTH WEIGHT * A1 26 *4 STR 19'-5" 337 A2 26 *4 STR 19'-4" 336 * B1 64 *5 STR 11'-1" 740 B2 64 *6 STR 11'-7" 1113 REINFORCING STEEL LBS. 1449 * EPOXY COATED REINFORCING STEEL LBS. 1077 CLASS AA CONCRETE C. Y. 18.6 APPROACH SLAB AT EB #2 BAR NO. SIZE TYPE LENGTH WEIGHT * A1 26 *4 STR 19'-5" 337 A2 26 *4 STR 19'-4" 336 * B1 64 *5 STR 11'-1" 740 B2 64 *6 STR 11'-7" 1113 REINFORCING STEEL LBS. 1449 * EPOXY COATED REINFORCING STEEL LBS. 1449 * EPOXY COATED REINFORCING STEEL LBS. 1449 * EPOXY COATED REINFORCING STEEL LBS. 1077	BILL OF MATERIAL						
* A1 26 *4 STR 19'-5" 337 A2 26 *4 STR 19'-4" 336 * B1 64 *5 STR 11'-1" 740 B2 64 *6 STR 11'-7" 1113 REINFORCING STEEL LBS. 1449 * EPOXY COATED REINFORCING STEEL LBS. 1077 CLASS AA CONCRETE C. Y. 18.6 APPROACH SLAB AT EB *2 BAR NO. SIZE TYPE LENGTH WEIGHT * A1 26 *4 STR 19'-5" 337 A2 26 *4 STR 19'-4" 336 * B1 64 *5 STR 11'-1" 740 B2 64 *6 STR 11'-7" 1113 REINFORCING STEEL LBS. 1449 * EPOXY COATED	APPROACH SLAB AT EB #1						
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B2 64 #6 STR 11'-7" 1113 REINFORCING STEEL LBS. 1449 * EPOXY COATED REINFORCING STEEL LBS. 1077 CLASS AA CONCRETE C. Y. 18.6 APPROACH SLAB AT EB #2 BAR NO. SIZE TYPE LENGTH WEIGHT ** A1 26 *4 STR 19'-5" 337 A2 26 *4 STR 19'-4" 336 ** B1 64 *5 STR 11'-1" 740 B2 64 *6 STR 11'-7" 1113 REINFORCING STEEL LBS. 1449 ** EPOXY COATED	Α2	26	#4	STR	19'-4"	336	
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* EPOXY COATED	B2	64	#6	STR	11'-7"	1113	
* EPOXY COATED							
					LBS.	1449	
					LBS.	1077	
CLASS AA CONCRETE C. Y. 18.6							



PLAN VIEW

TEMPORARY BERM AND SLOPE DRAIN DETAILS

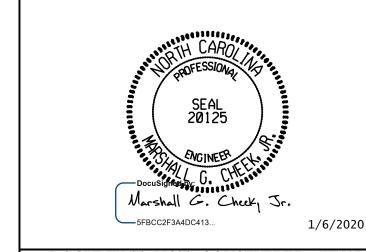
(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)

SPL	ICE LE	NGTHS
BAR SIZE	EPOXY COATED	UNCOATED
#4	2'-0"	1'-9"
#5	2′-6″	2'-2"
#6	3′-10″	2'-7"

PROJECT NO. <u>17BP.2.R.92</u>

PITT COUNTY

STATION: <u>13+78.50</u> -L-



DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

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

BY:

SHEET NO.

S-18

TOTAL SHEETS

DATE:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED REVISIONS

TGS ENGINEERS
706 HILLSBOROUGH STREET NO. BY: DATE: NO. SUITE 200
RALEIGH, NC 27603
PH (919) 773–8887
CORP. LICENSE NO.: C-0275

(TYPE II - MODIFIED APPROACH FILL)