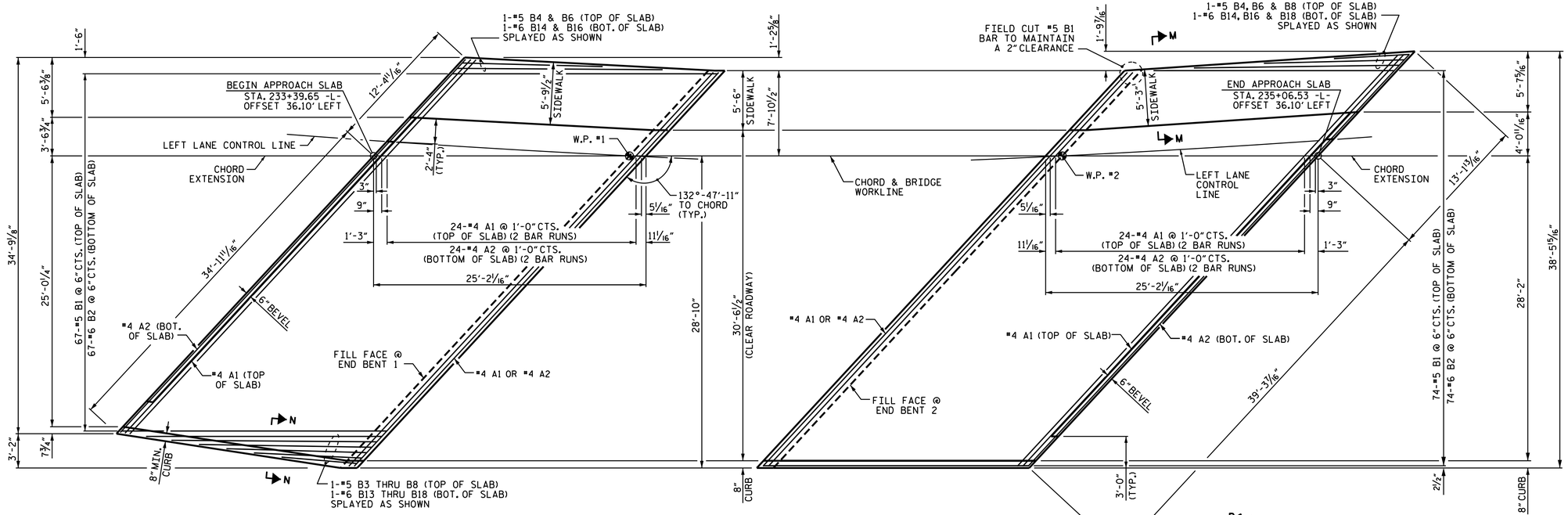
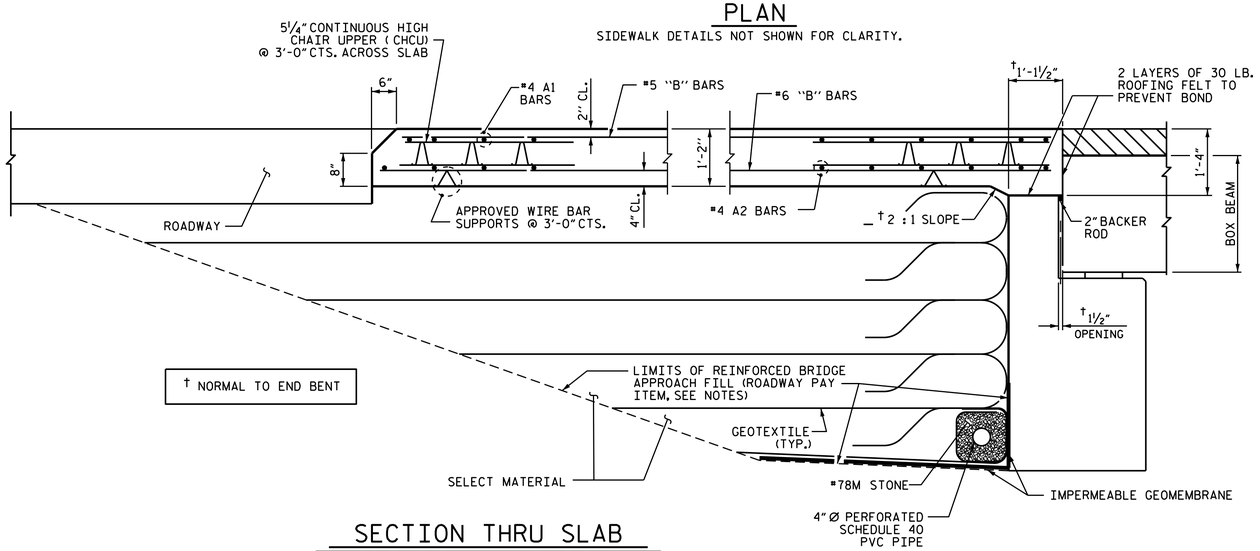


AT END BENT 1

AT END BENT 2

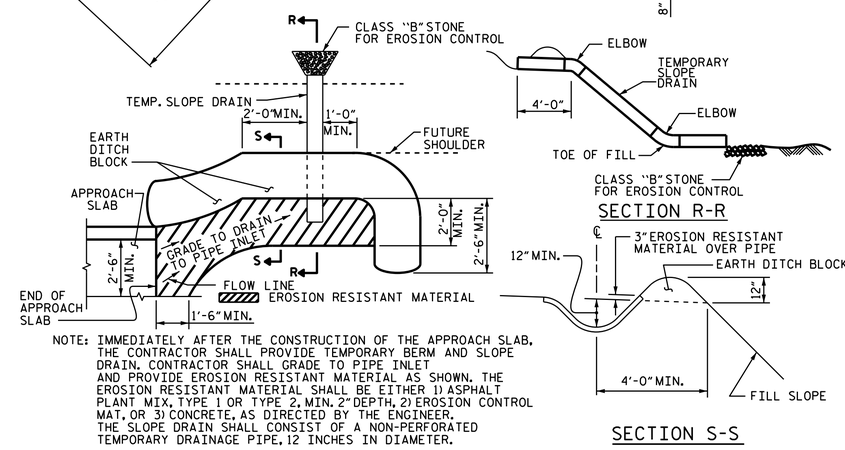
PLAN

SIDEWALK DETAILS NOT SHOWN FOR CLARITY.



† NORMAL TO END BENT

SECTION THRU SLAB



PLAN VIEW

SECTION R-R

SECTION S-S

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.

TEMPORARY BERM AND SLOPE DRAIN DETAILS

(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)

BILL OF MATERIAL

APPROACH SLAB AT EB 1

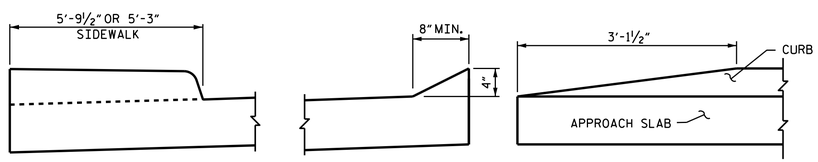
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	52	#4	STR	25'-10"	897
A2	52	#4	STR	25'-9"	894
* B1	67	#5	STR	24'-2"	1689
B2	67	#6	STR	24'-8"	2482
* B3	1	#5	STR	21'-9"	23
* B4	2	#5	STR	19'-0"	40
* B5	1	#5	STR	16'-0"	17
* B6	2	#5	STR	13'-0"	27
* B7	1	#5	STR	10'-0"	10
* B8	1	#5	STR	7'-0"	7
B13	1	#6	STR	21'-9"	33
B14	2	#6	STR	19'-0"	57
B15	1	#6	STR	16'-0"	24
B16	2	#6	STR	13'-0"	39
B17	1	#6	STR	10'-0"	15
B18	1	#6	STR	7'-0"	11
REINFORCING STEEL				LBS.	3,555
* EPOXY COATED REINFORCING STEEL				LBS.	2,710
CLASS AA CONCRETE				C.Y.	39.3

APPROACH SLAB AT EB 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	52	#4	STR	27'-0"	938
A2	52	#4	STR	26'-11"	935
* B1	74	#5	STR	24'-2"	1865
B2	74	#6	STR	24'-8"	2742
* B4	1	#5	STR	19'-0"	20
* B6	1	#5	STR	13'-0"	14
* B8	1	#5	STR	7'-0"	7
B14	1	#6	STR	19'-0"	29
B16	1	#6	STR	13'-0"	20
B18	1	#6	STR	7'-0"	11
REINFORCING STEEL				LBS.	3,737
* EPOXY COATED REINFORCING STEEL				LBS.	2,844
CLASS AA CONCRETE				C.Y.	41.2

SPLICE CHART

BAR	SIZE	SPLICE
* A1	#4	2'-0"
A2	#4	1'-9"

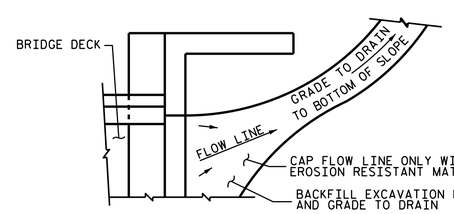


SECTION M-M

SECTION N-N

END OF CURB WITHOUT SHOULDER BERM GUTTER

SIDEWALK & CURB DETAILS



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

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

PROJECT NO. U-3615B

GUILFORD COUNTY

STATION: 233+87.56 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB FOR PRESTRESSED CONCRETE BOX BEAMS (SUB-REGIONAL TIER)

LEFT LANE

NORTH CAROLINA PROFESSIONAL SEAL 16301 ENGINEER TING HSIUNG FANG

DocuSigned by: Ting H. Fang
E72088400977435...
12/3/2014

ASSEMBLED BY :	T. KIRSCHBAUM	DATE :	8-28-13
CHECKED BY :	T. H. FANG	DATE :	12-2-13
DESIGN ENGINEER OF RECORD :	T. H. FANG	DATE :	1-7-14
DRAWN BY : SHS/MAA	5-09	REV. 12-11	MAA/AAC
CHECKED BY : BCH	5-09		

REVISIONS

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

SHEET NO. S-68

TOTAL SHEETS 91

STR. #2

STD. NO. BAS_30_90S

03-DEC-2014 11:41
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ttfang