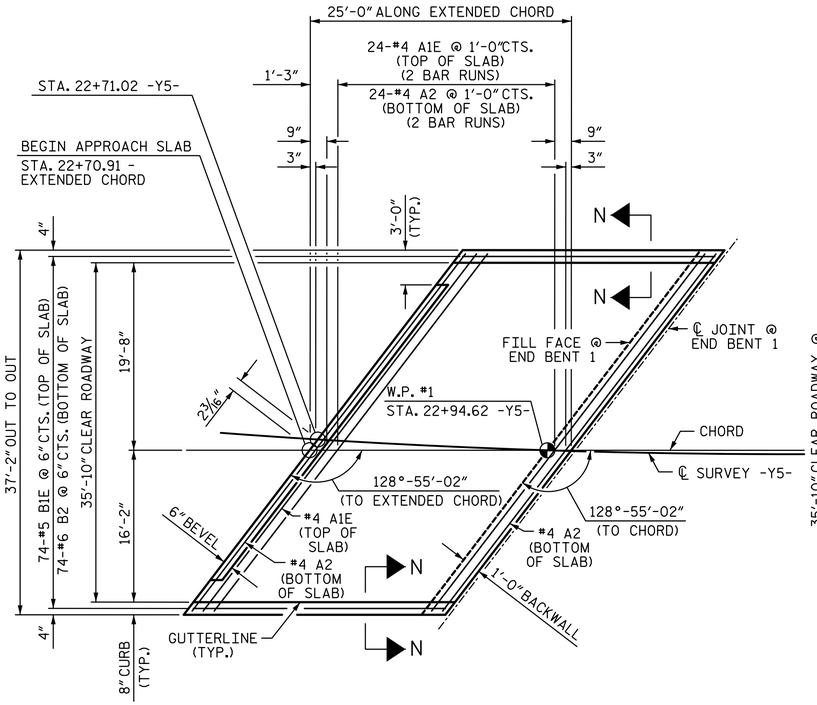
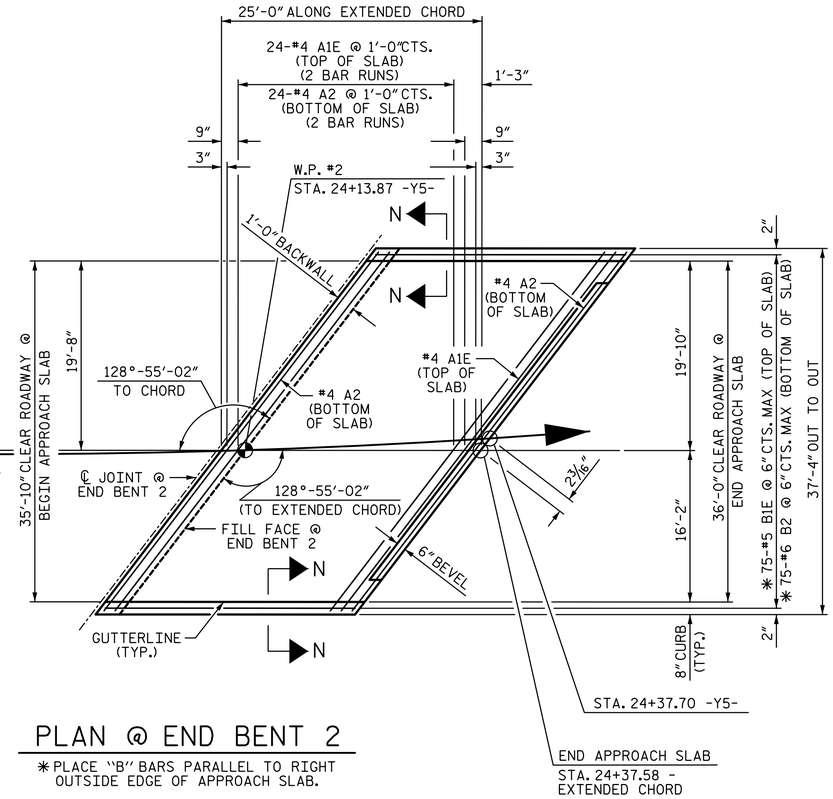
DocuSign Envelope ID: 1818FB5B-B49A-4408-B1F1-58B42B1D31FD



PLAN @ END BENT 1



PLAN @ END BENT 2

* PLACE "B" BARS PARALLEL TO RIGHT OUTSIDE EDGE OF APPROACH SLAB.

NOTES:

APPROACH SLAB SHALL NOT BE CONSTRUCTED PRIOR TO COMPLETION OF THE BRIDGE DECK.

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.

THE JOINT SHALL BE SAWED PRIOR TO THE CASTING OF THE CONCRETE PARAPET AND END POST.

FOR FOAM JOINT SEALS, SEE SPECIAL PROVISIONS.

THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE FOAM JOINT SHALL BE 2" AT END BENT 1 AND 2½" @ END BENT 2.

FOR ELASTOMERIC CONCRETE, SEE SPECIAL PROVISIONS.

"A" BARS IN APPROACH SLABS SHALL BE SPACED ALONG EXTENDED CHORD AND PLACED PARALLEL TO FILL FACE.

BOTH OUTSIDE EDGES OF APPROACH SLAB AT END BENT 1 AND RIGHT SIDE OF END BENT 2 ARE PARALLEL TO EXTENDED CHORD.

BILL OF MATERIAL

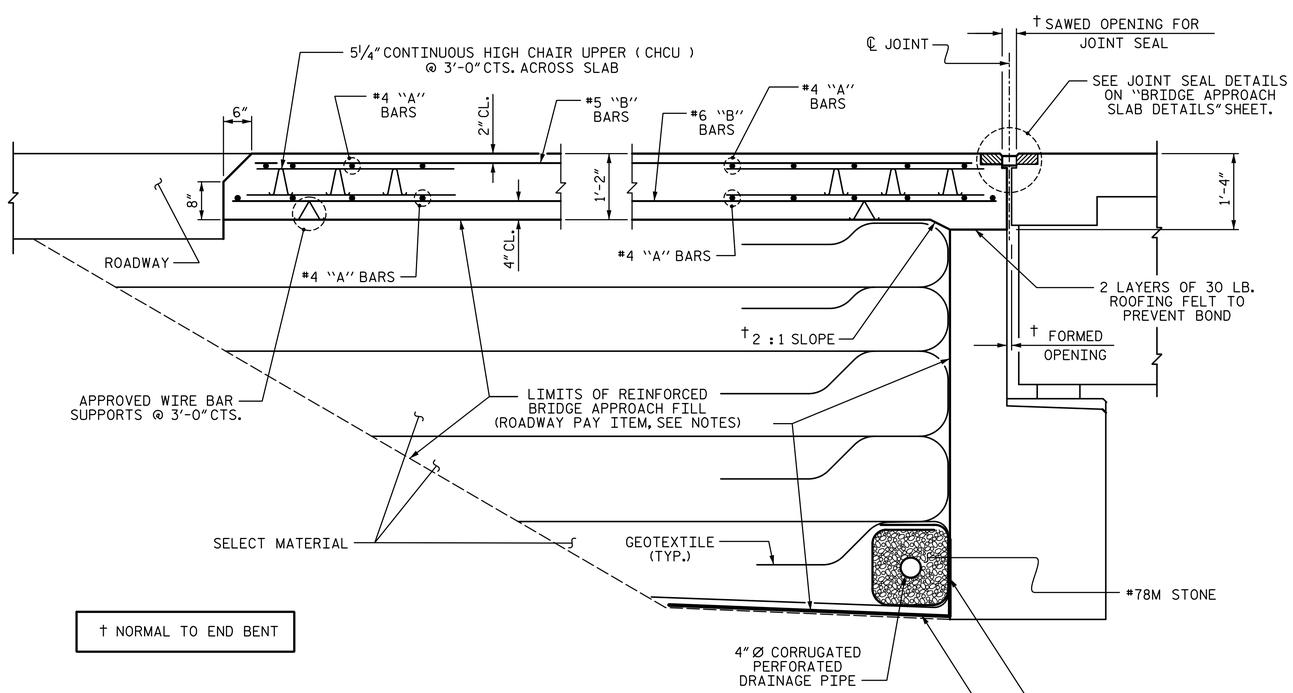
FOR APPROACH SLAB @ END BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1E	50	4	STR	24'-9"	827
A2	52	4	STR	24'-8"	857
B1E	74	5	STR	24'-0"	1852
B2	74	6	STR	24'-7"	2732
REINFORCING STEEL					3589 LBS
EPOXY COATED REINFORCING STEEL					2679 LBS
CLASS "AA" CONCRETE SLAB & CURB					40.5 CY

FOR APPROACH SLAB @ END BENT 2

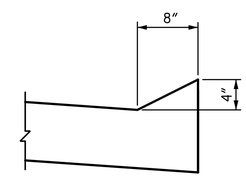
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1E	50	4	STR	24'-9"	827
A2	52	4	STR	24'-8"	857
B1E	75	5	STR	24'-0"	1877
B2	75	6	STR	24'-7"	2769
REINFORCING STEEL					3626 LBS
EPOXY COATED REINFORCING STEEL					2704 LBS
CLASS "AA" CONCRETE SLAB & CURB					40.5 CY

"E" INDICATES EPOXY COATED REINFORCING STEEL

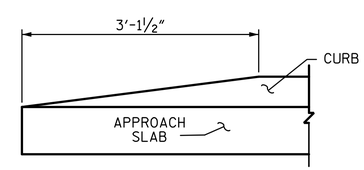


† NORMAL TO END BENT

SECTION THRU SLAB



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"

PROJECT NO. U-2579B
FORSYTH COUNTY
STATION: 23+59.12 -Y5-

SHEET 1 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB

PLANS PREPARED BY:
SIMPSON ENGINEERS & ASSOCIATES
5640 Dillard Drive
Suite 200
Cary, NC 27518
(919) 852-0468
(919) 852-0598 (Fax)
www.simpsonengr.com
LICENSURE NO. C-2521

NORTH CAROLINA PROFESSIONAL SEAL 023908 ENGINEER MARK A. AVERETTE
Digitally signed by Mark A. Averette
8/15/2014

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S-656
1			3					TOTAL SHEETS
2			4					S-707

DRAWN BY: S. D. COOPER DATE: 3-14
CHECKED BY: T. J. BEACH DATE: 3-14
DESIGN ENGINEER OF RECORD: M. AVERETTE DATE: 3-14

8/15/2014 3:10:43 PM G:\Projects\2013\U-2579B\Structures\Site 17\Site 17 Drawings\Final\U-2579B_sd_site 17_as.dgn