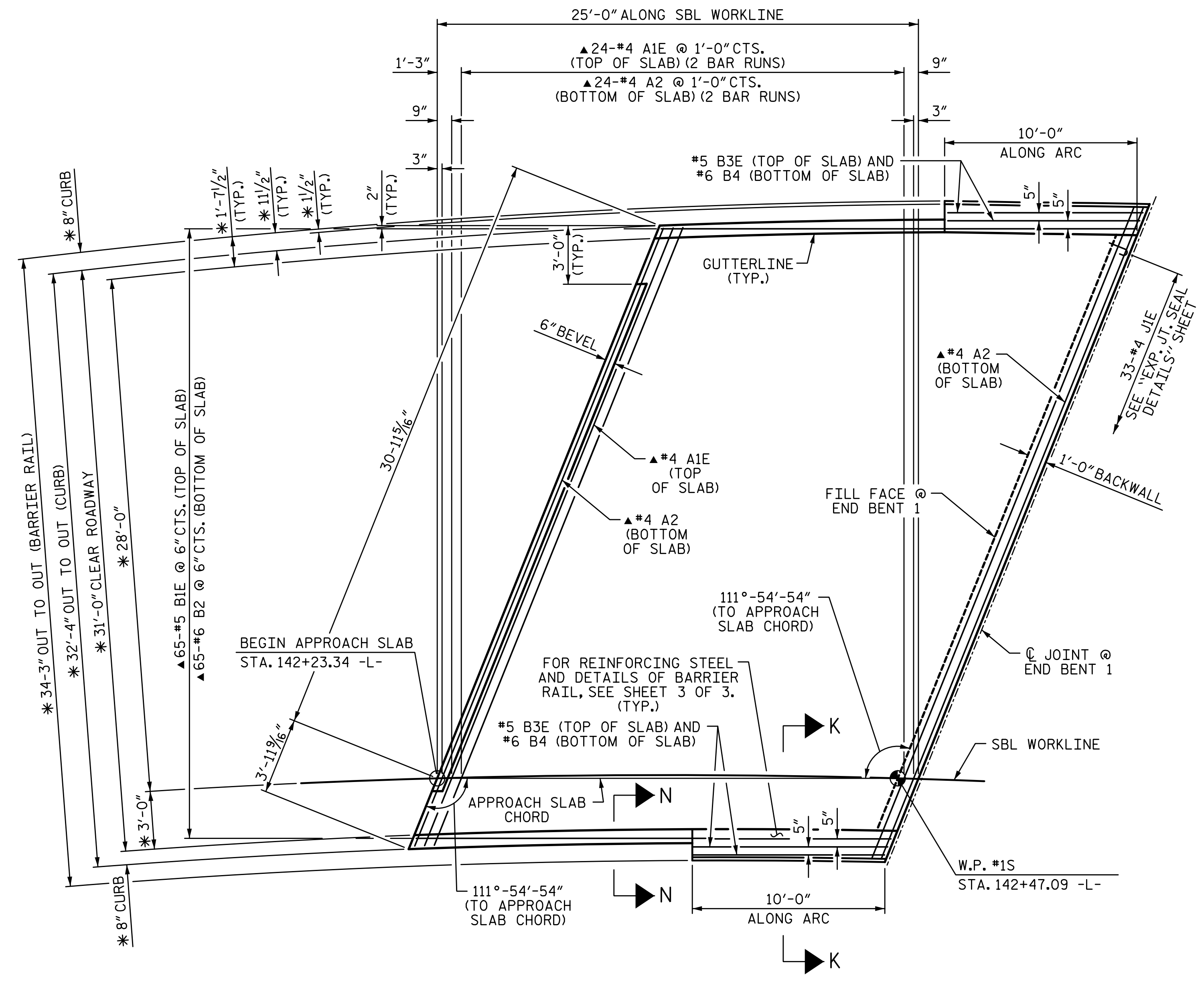
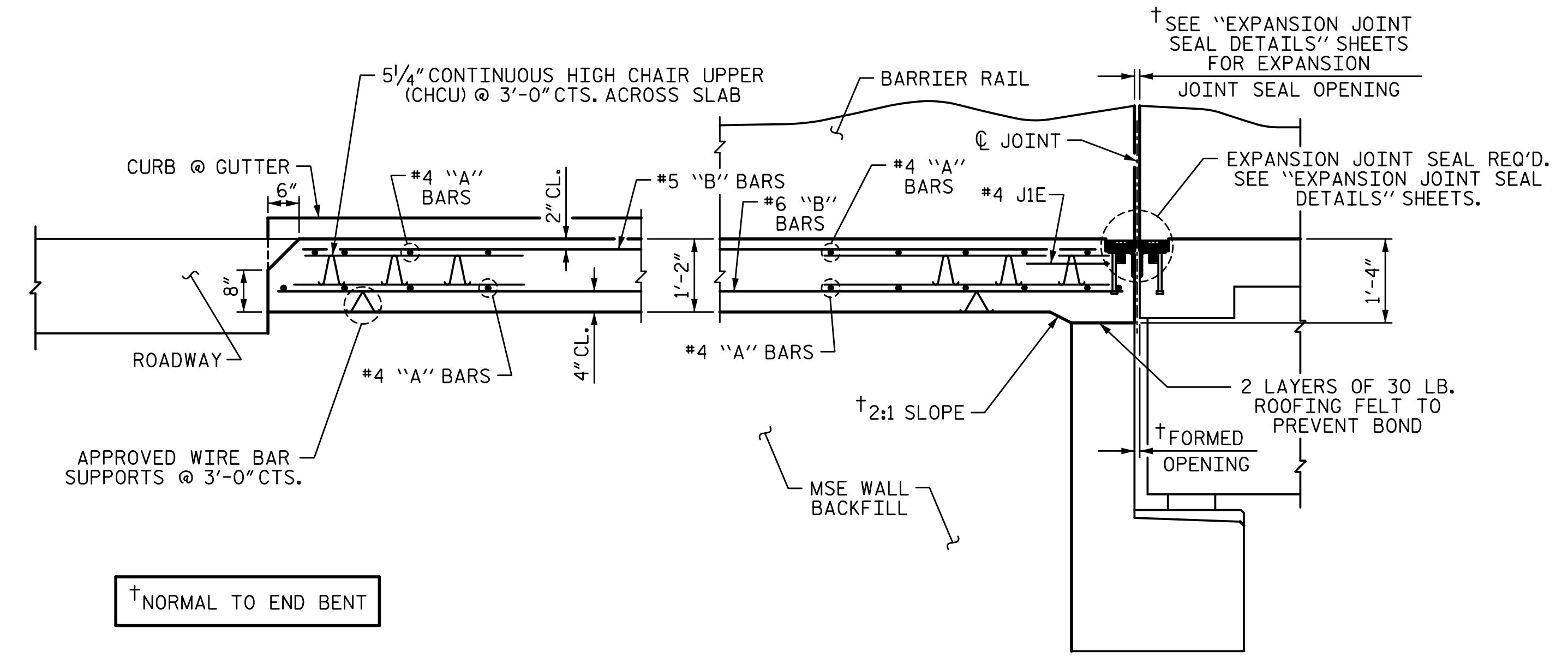


3/22/2017 8:30:52 AM G:\Projects\2014\U-3109A\Structures\Site 2\Site 2-Str 2 Bridge 436 (SBL)\Drawings\Final\U3109A-smu-os.dgn



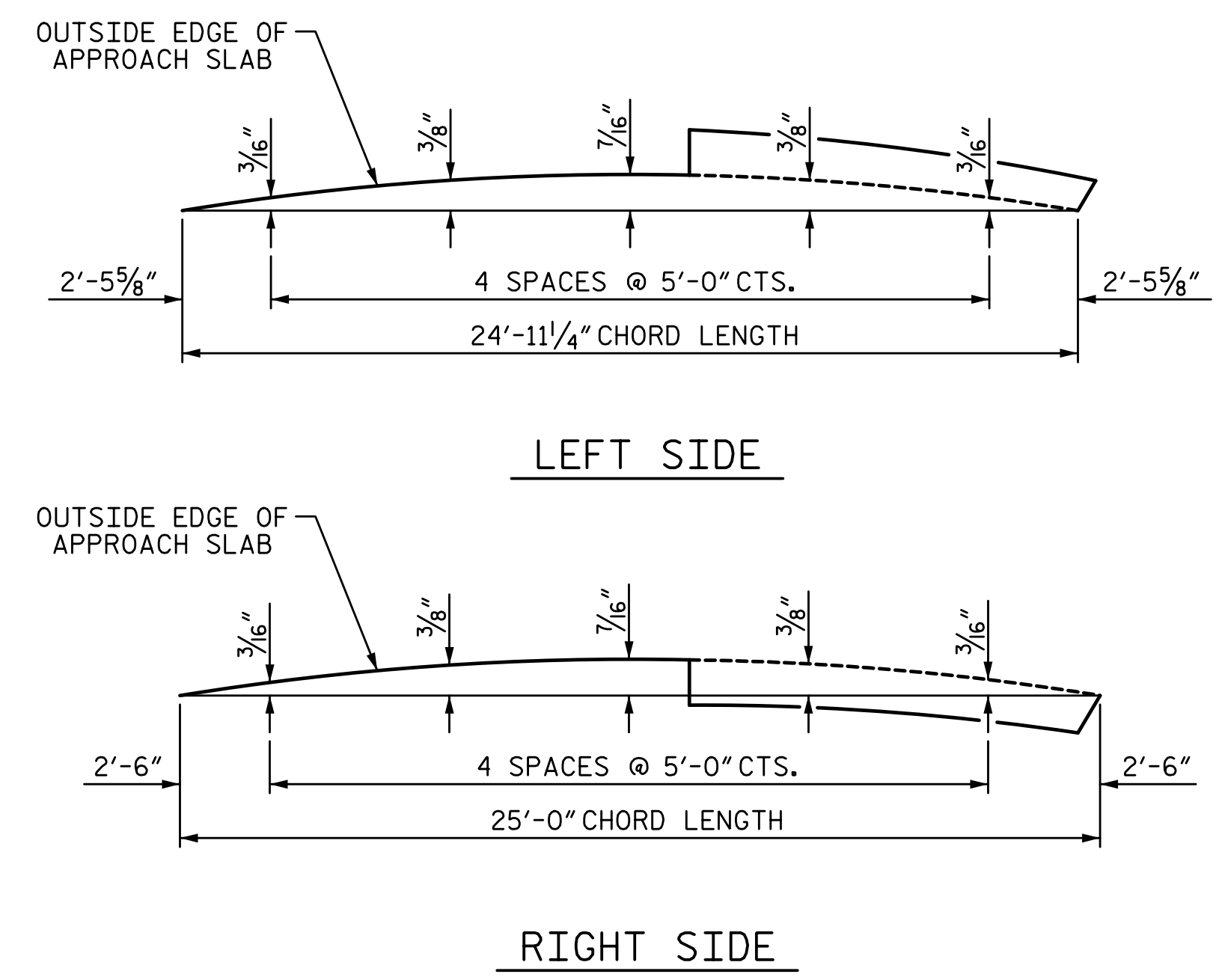
PLAN @ END BENT 1



SECTION THRU SLAB
BACKWALL RESTRAINTS ON END BENT NOT SHOWN FOR CLARITY.

NOTES:

APPROACH SLAB SHALL NOT BE CONSTRUCTED PRIOR TO COMPLETION OF THE BRIDGE DECK.
 FOR MSE WALL BACKFILL, SEE SHEET W-4.
 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 EXPANSION JOINT SEALS, SEE SPECIAL PROVISIONS.
 THE QUANTITY OF #4 JIE BARS ON THE BILL OF MATERIAL IS BASED ON 1'-0" CENTERS. JIE BARS SHALL BE PLACED AT EACH VERTICAL STUD ANCHOR BOLT. IN THE EVENT THAT THE NUMBER OF VERTICAL STUD ANCHORS EXCEEDS THE NUMBER OF JIE BARS SPECIFIED, ADDITIONAL JIE BARS WILL NOT BE REQUIRED.
 * RADIAL DIMENSION
 ▲ "A" BARS ARE TO BE PLACED PARALLEL TO FILL FACE.
 ▲ "B" BARS ARE TO BE PLACED PARALLEL TO THE APPROACH SLAB CHORD.
 FOR SECTIONS K-K AND N-N, SEE SHEET 2 OF 3.



ARC OFFSETS @ END BENT 1

BILL OF MATERIAL					
APPROACH SLAB AT EB 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1E	50	4	STR	19'-3"	643
A2	52	4	STR	19'-1"	663
B1E	65	5	STR	23'-9"	1610
B2	65	6	STR	24'-7"	2400
B3E	4	5	STR	9'-6"	40
B4	4	6	STR	9'-6"	57
JIE	33	4	1	1'-5"	31
REINFORCING STEEL					3120 LB
EPOXY COATED REINFORCING STEEL					2324 LB
CLASS "AA" CONCRETE BREAKDOWN POUR 1 (SLAB & CURB)**					36.0 CY
"E" INDICATES EPOXY COATED REINFORCING STEEL.					
BAR TYPES					
ALL BAR DIMENSIONS ARE OUT TO OUT ** QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED, SEE SHEET 3 OF 3.					

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-3109A
ALAMANCE COUNTY
 STATION: 146+61.35 -L-

SHEET 1 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

BRIDGE APPROACH SLAB DETAILS
 (SBL)

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

SHEET NO. S02-49
 TOTAL SHEETS S02-51

DRAWN BY: S.D. COOPER DATE: 9-15
 CHECKED BY: J.A. BATTS DATE: 9-15
 DESIGN ENGINEER OF RECORD: J.A. BATTS DATE: 9-15

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

