

NOTES

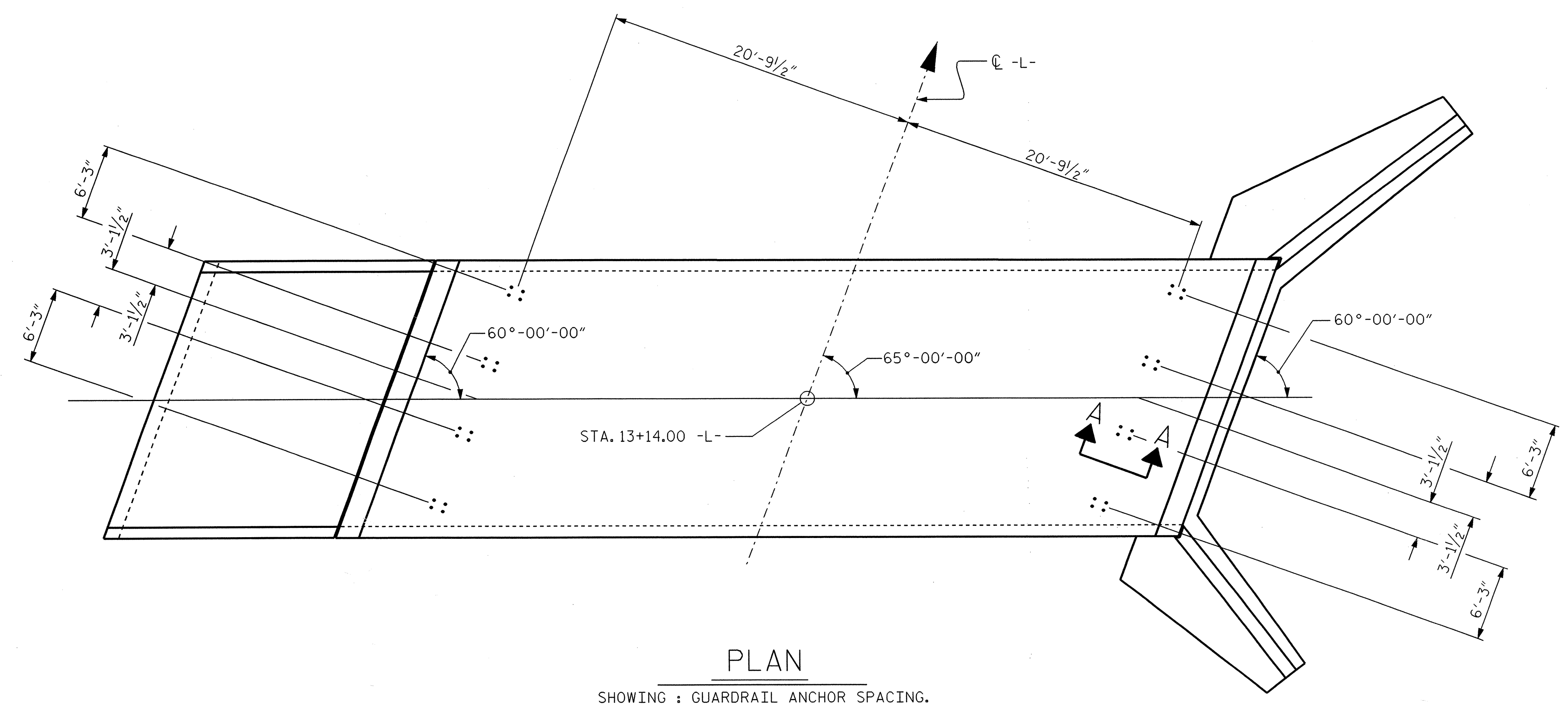
ALL GUARDRAIL ATTACHMENTS SHALL BE MADE USING ADHESIVELY ANCHORED ANCHOR BOLTS. FOR ADHESIVELY ANCHORED ANCHOR BOLTS OR DOWELS, SEE SPECIAL PROVISIONS.

ANCHOR BOLTS, NUTS AND WASHERS SHALL BE 3/4" Ø AND MEET THE REQUIREMENTS OF ASTM A325 BOLTS. NUTS AND WASHERS SHALL BE GALVANIZED.

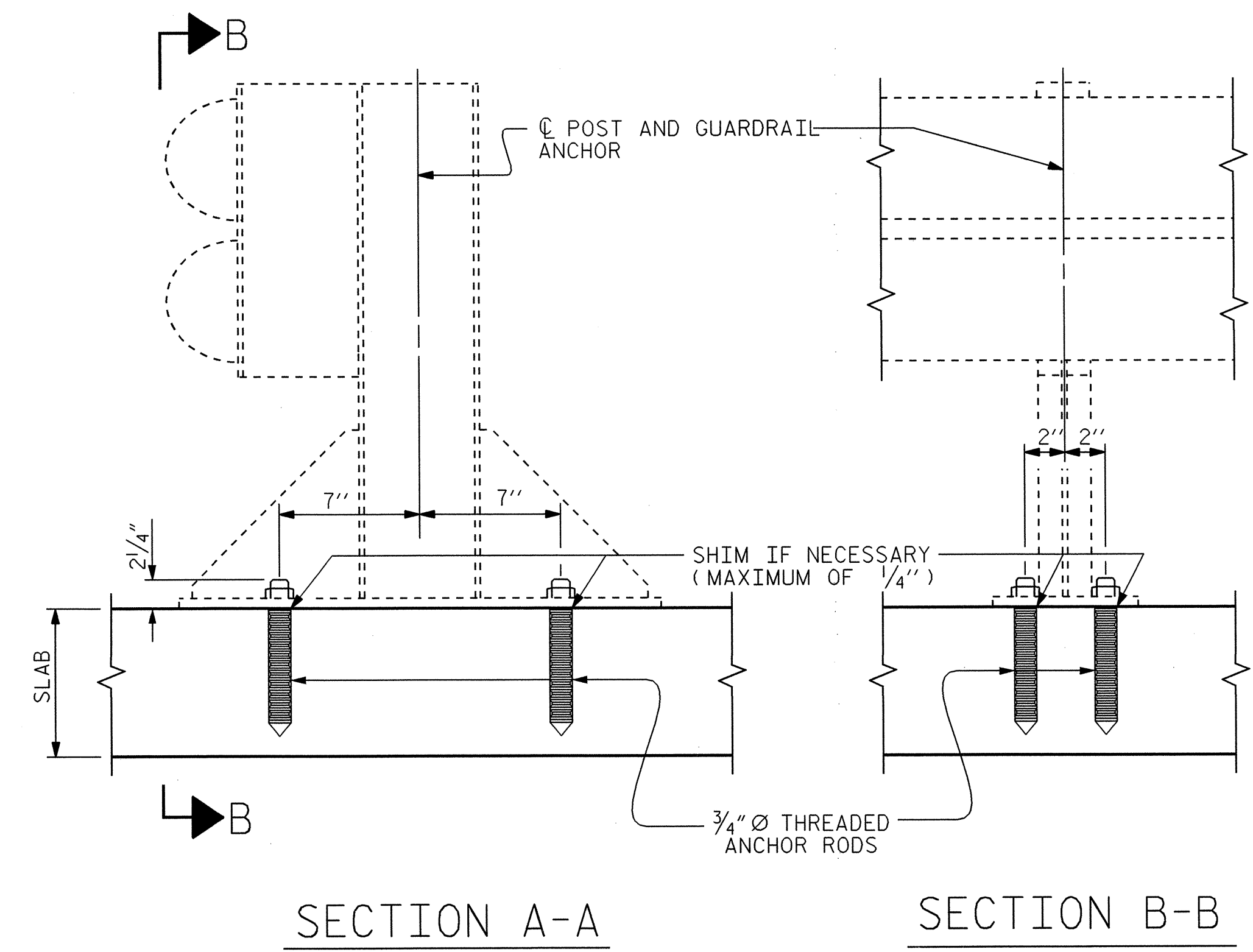
ADHESIVELY ANCHORED ANCHOR BOLTS SHALL PROVIDE A MINIMUM DESIGN TENSILE STRENGTH OF 12.7 KIPS ONE BOLT PER ATTACHMENT LOCATION SHALL BE TESTED. FOR TESTING, SEE SPECIAL PROVISIONS.

PAYMENT FOR GUARDRAIL, POST AND POST BASE PLATES IS INCLUDED IN ROADWAY PAY ITEMS.

GUARDRAIL POSTS PLACEMENT AS SHOWN. GUARDRAIL POSTS AND THREADED ANCHOR RODS MUST CLEAR ALL JOINTS OF PRECAST CONCRETE CULVERT UNITS.



PLAN
 SHOWING : GUARDRAIL ANCHOR SPACING.



SECTION A-A

SECTION B-B

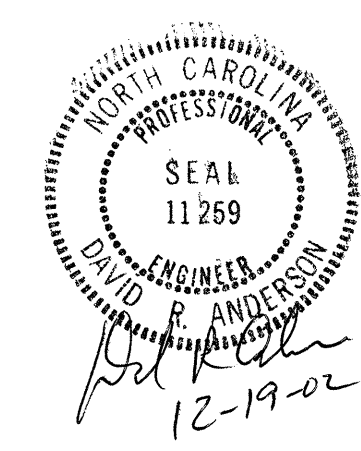
PROJECT NO. B-3424
CABARRUS COUNTY
 STATION: 13+14.00 -L-

SHEET 5 OF 11

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

STANDARD
 ANCHORAGE DETAILS FOR
 GUARDRAIL ATTACHMENTS
 FOR CULVERTS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-5
1			3			TOTAL SHEETS
2			4			11



ASSEMBLED BY : K. P. SEDAI	DATE : 5/9/02
CHECKED BY : T. A. WALTER	DATE : 5/13/02
DRAWN BY : FCJ	6/88
CHECKED BY : ARB	6/88
REV. 6/1/94	EEM/GRP
REV. 8/16/99	RAL/LES
REV. 7/10/01R	LES/RDR