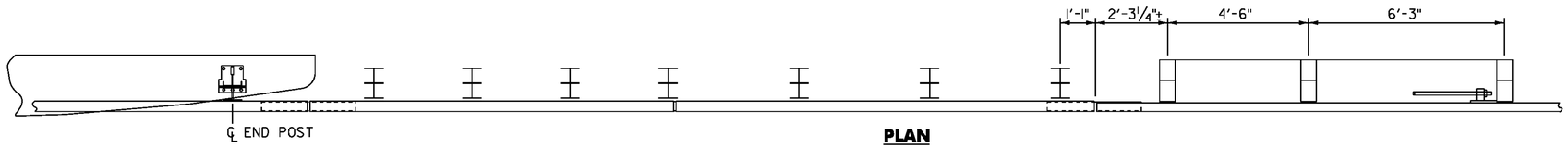
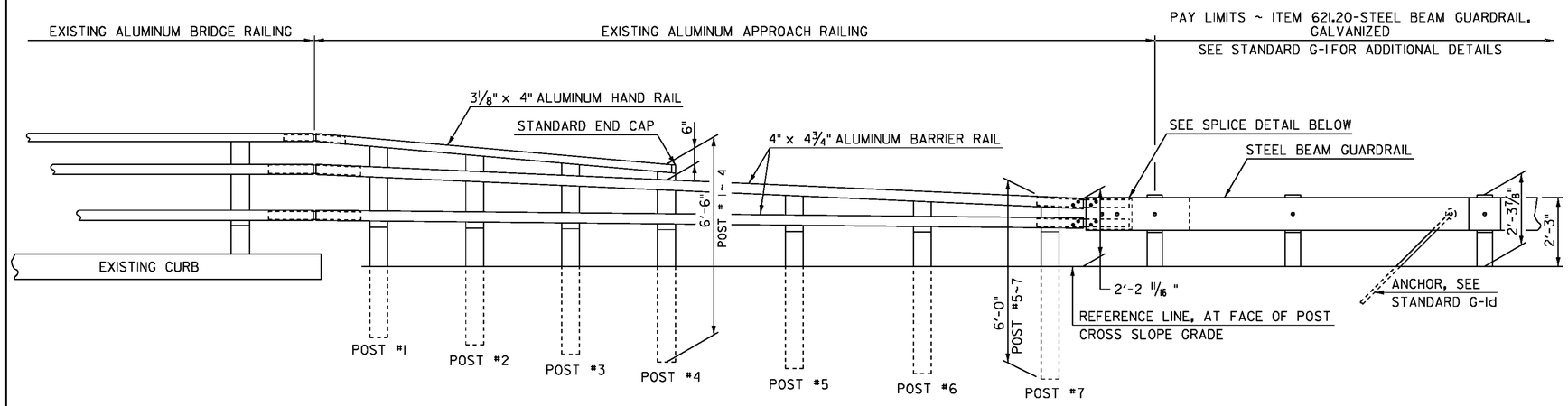


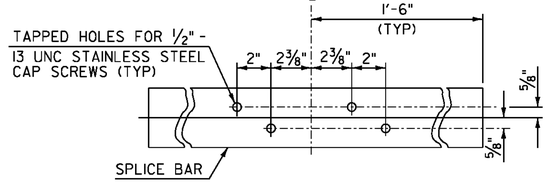
PLAN



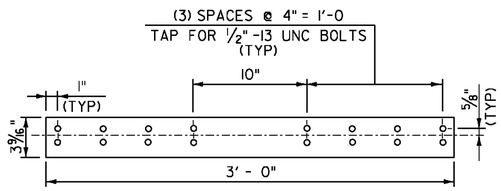
ELEVATION

NOTES:

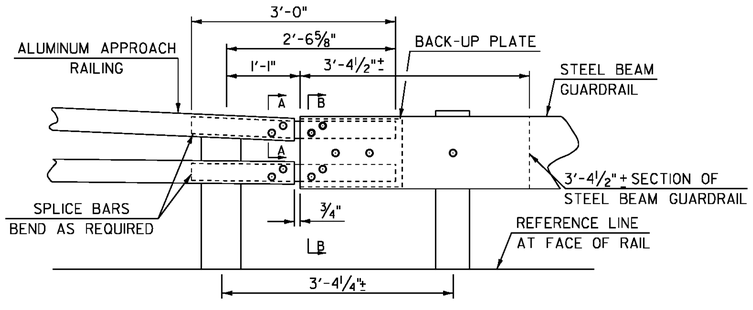
1. ALL STRUCTURAL STEEL SHALL BE ASTM A36 AND GALVANIZED AFTER FABRICATION.
2. ALL ITEMS NOT OTHERWISE INDICATED SHALL MEET THE SPECIFICATION REQUIREMENTS OF THE STANDARD SHEETS ON WHICH THEY ARE DETAILED.
3. SEE STANDARD G-1 FOR STEEL BEAM GUARDRAIL DETAILS.
4. THE COST OF ALL MATERIALS AND LABOR FOR THE SPLICE BETWEEN THE ALUMINUM APPROACH RAILING AND THE STEEL BEAM GUARDRAIL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 621.20 STEEL BEAM GUARDRAIL, GALVANIZED.
5. DIMENSIONS SHOWN ARE FROM A REFERENCE LINE AT THE FACE OF POST FOR A NORMAL CROWNED SECTION. APPROPRIATE CORRECTIONS SHALL BE MADE FOR CROSS SLOPES OTHER THAN A NORMAL SECTION.
6. ANCHOR BOLTS, WASHERS AND HEAVY HEX NUTS MAY BE ANY OF THE FOLLOWING:
   A. ASTM A449 GALVANIZED, OR
   B. AASHTO M164 (ASTM A325) GALVANIZED
   C. BOLTS AND WASHERS OF STAINLESS STEEL ASTM A276, TYPE 304 (MINIMUM ULTIMATE STRENGTH OF 100,000 PSI) WITH STAINLESS STEEL NUTS OF ASTM A194, GRADE 8NA.
7. SPLICE BARS, AND CONNECTION BARS SHALL CONFORM TO ASTM B221, Fy = 35,000 PSI.
8. WELDING SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 506.10 USING THE GMAW-INERT GAS PROCESS AND AWS ER 5356 ELECTRODE WIRE.
9. ALUMINUM WASHERS SHALL BE ASTM B209 ALLOY ACLAD 2024-T4.



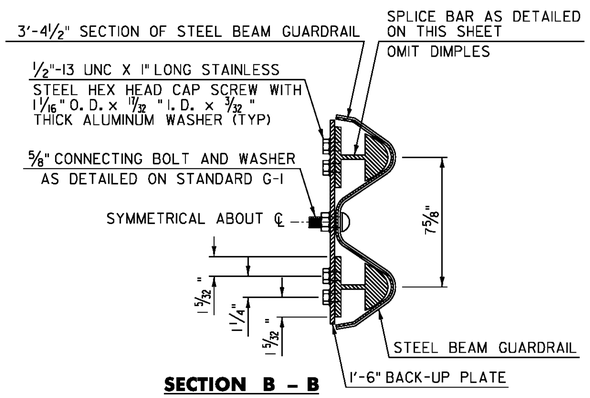
SPLICE BAR DETAIL (BACK SIDE VIEW)



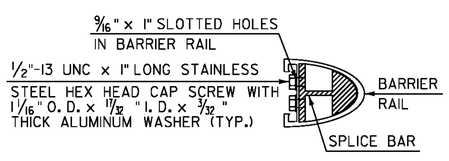
ELEVATION OF STD. BARRIER RAIL SPLICE BAR (FROM BACK)



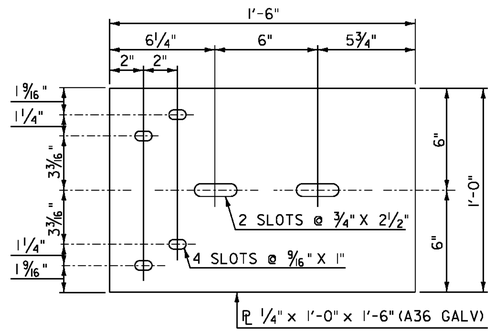
SPLICE DETAIL



SECTION B – B



SECTION A – A



BACK-UP PLATE DETAIL

ALUMINUM APPROACH RAILING DETAIL SHEET

PROJECT NAME:	ST. JOHNSBURY-LYNDON
PROJECT NUMBER:	IM 091-3(50)
FILE NAME:	lla346/cos/zlla346frm.dgn
PROJECT LEADER:	PTS
DESIGNED BY:	NLL
IPARM FILE NAME:	plla346_33
PLOT DATE:	10/17/2013
DRAWN BY:	JLS
CHECKED BY:	PTS
SHEET	33 OF 72