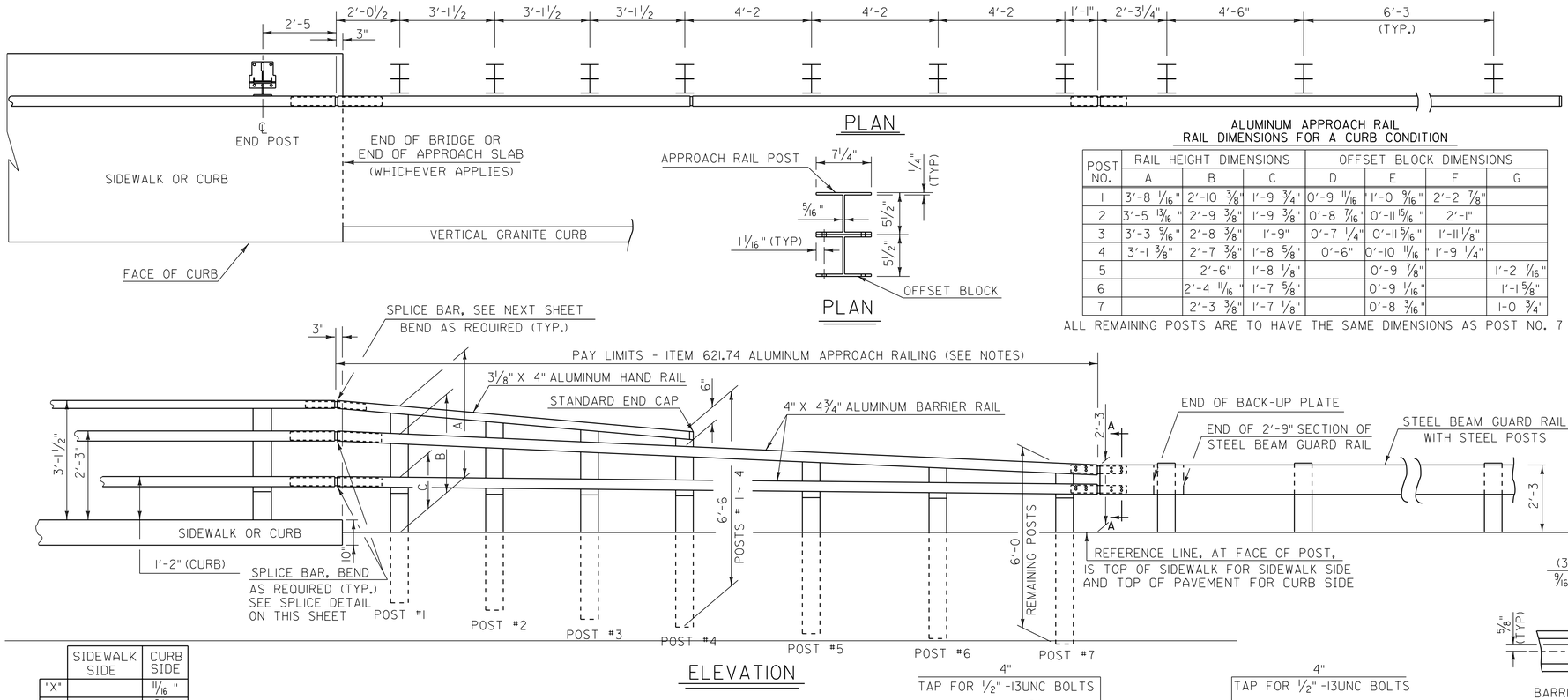



PLAN




PLAN

## NOTES

1. POST 1 THROUGH 7 SHALL BE EXTRUDED ALUMINUM.
2. ALL STRUCTURAL STEEL SHALL BE AASHTO M270M/M270 GRADE 36 GALVANIZED AFTER FABRICATION.
3. ALL ITEMS NOT OTHERWISE INDICATED SHALL MEET THE SPECIFICATION REQUIREMENTS OF THE STANDARD SHEETS ON WHICH THEY ARE DETAILED.
4. SEE STANDARD G-1 FOR STEEL BEAM GUARD RAIL DETAILS. SEE THIS SHEET AND THE NEXT SHEET FOR ALUMINUM BRIDGE RAILING DETAILS.
5. THE COST OF ALL MATERIALS AND LABOR FOR THE SPLICE BETWEEN THE ALUMINUM APPROACH RAILING AND THE STEEL BEAM GUARD RAIL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 621.74, ALUMINUM APPROACH RAILING.
6. DETAILS ARE SHOWN FOR TRANSITION TO A 3 RAIL ALUMINUM BRIDGE RAILING.
7. 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.

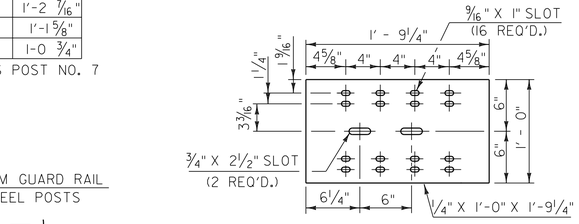
ALUMINUM APPROACH RAIL
RAIL DIMENSIONS FOR A CURB CONDITION

| POST NO. | RAIL HEIGHT DIMENSIONS | | | OFFSET BLOCK DIMENSIONS | | | |
|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G |
| 1 | 3'-8 1/16" | 2'-10 3/8" | 1'-9 3/4" | 0'-9 11/16" | 1'-0 9/16" | 2'-2 7/8" | |
| 2 | 3'-5 13/16" | 2'-9 3/8" | 1'-9 3/8" | 0'-8 7/16" | 0'-11 15/16" | 2'-1" | |
| 3 | 3'-3 9/16" | 2'-8 3/8" | 1'-9" | 0'-7 1/4" | 0'-11 5/16" | 1'-11 1/8" | |
| 4 | 3'-1 3/8" | 2'-7 3/8" | 1'-8 5/8" | 0'-6" | 0'-10 11/16" | 1'-9 1/4" | |
| 5 | | 2'-6" | 1'-8 1/8" | | 0'-9 7/8" | | 1'-2 7/16" |
| 6 | | 2'-4 11/16" | 1'-7 5/8" | | 0'-9 1/16" | | 1'-1 5/8" |
| 7 | | 2'-3 3/8" | 1'-7 1/8" | | 0'-8 3/16" | | 1-0 3/4" |

ALL REMAINING POSTS ARE TO HAVE THE SAME DIMENSIONS AS POST NO. 7

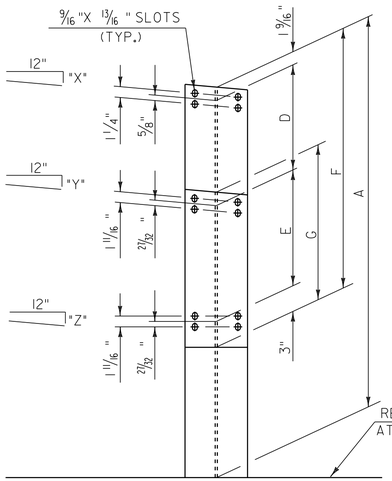



ELEVATION

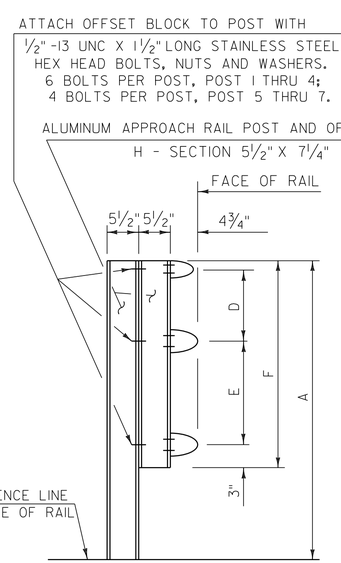



BACK-UP PLATE DETAILS

| SIDEWALK SIDE | CURB SIDE |
|---|---|
| "X" | 11/16" |
| "Y" | 5/16" |
| "Z" | 1/8" |




FRONT ELEVATION

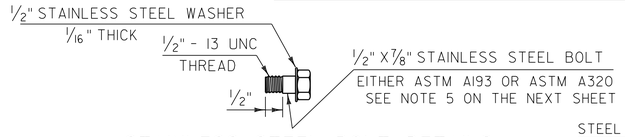



SIDE ELEVATION

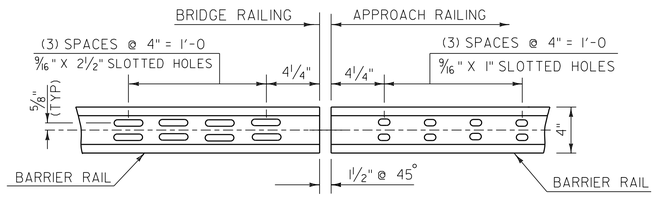
APPROACH RAIL DETAILS



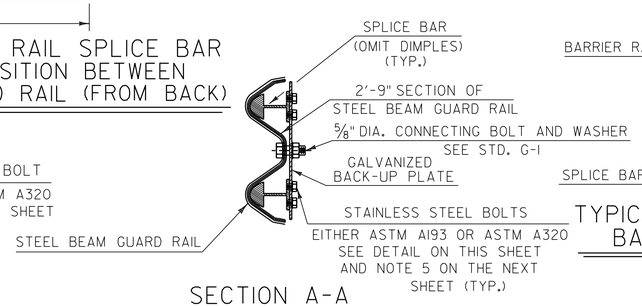

ELEVATION OF BARRIER RAIL SPLICE BAR
TO BE USED AT TRANSITION BETWEEN
APPROACH RAIL & GUARD RAIL (FROM BACK)



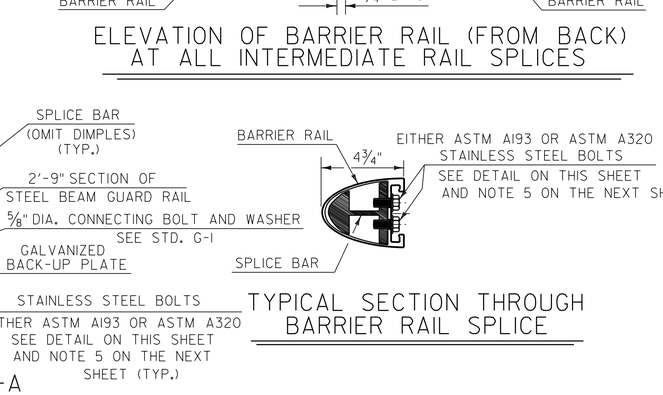

STAINLESS STEEL BOLT DETAILS



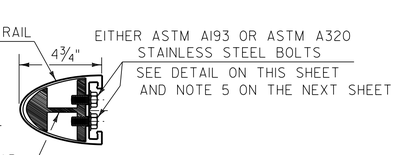

ELEVATION OF BARRIER RAIL (FROM BACK)




SECTION A-A




ELEVATION OF BARRIER RAIL (FROM BACK)
AT ALL INTERMEDIATE RAIL SPLICES




TYPICAL SECTION THROUGH
BARRIER RAIL SPLICE

**BRIDGE 114**

**ALUMINUM APPROACH RAILING DETAIL SHEET 1**

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_56.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 56 OF 62