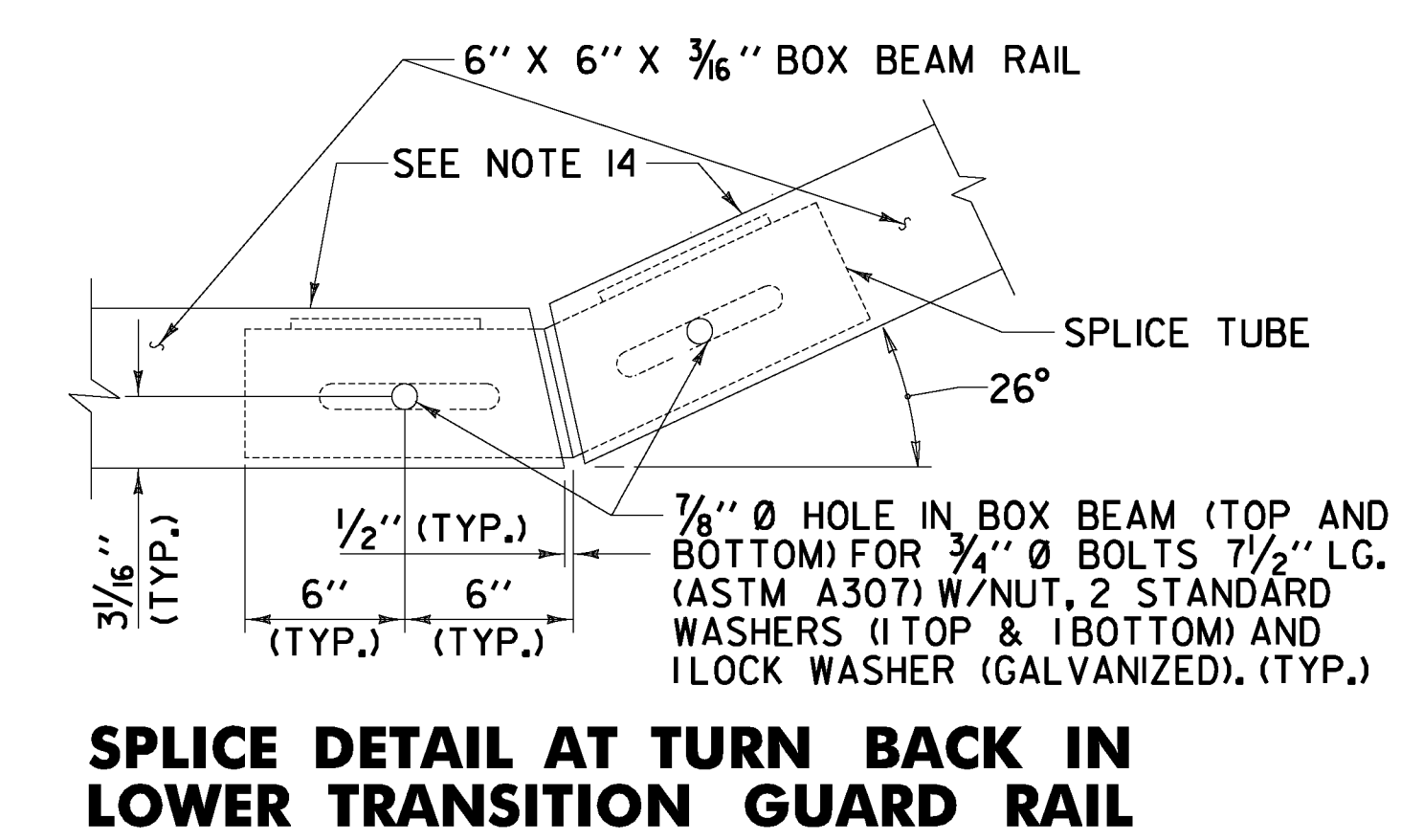
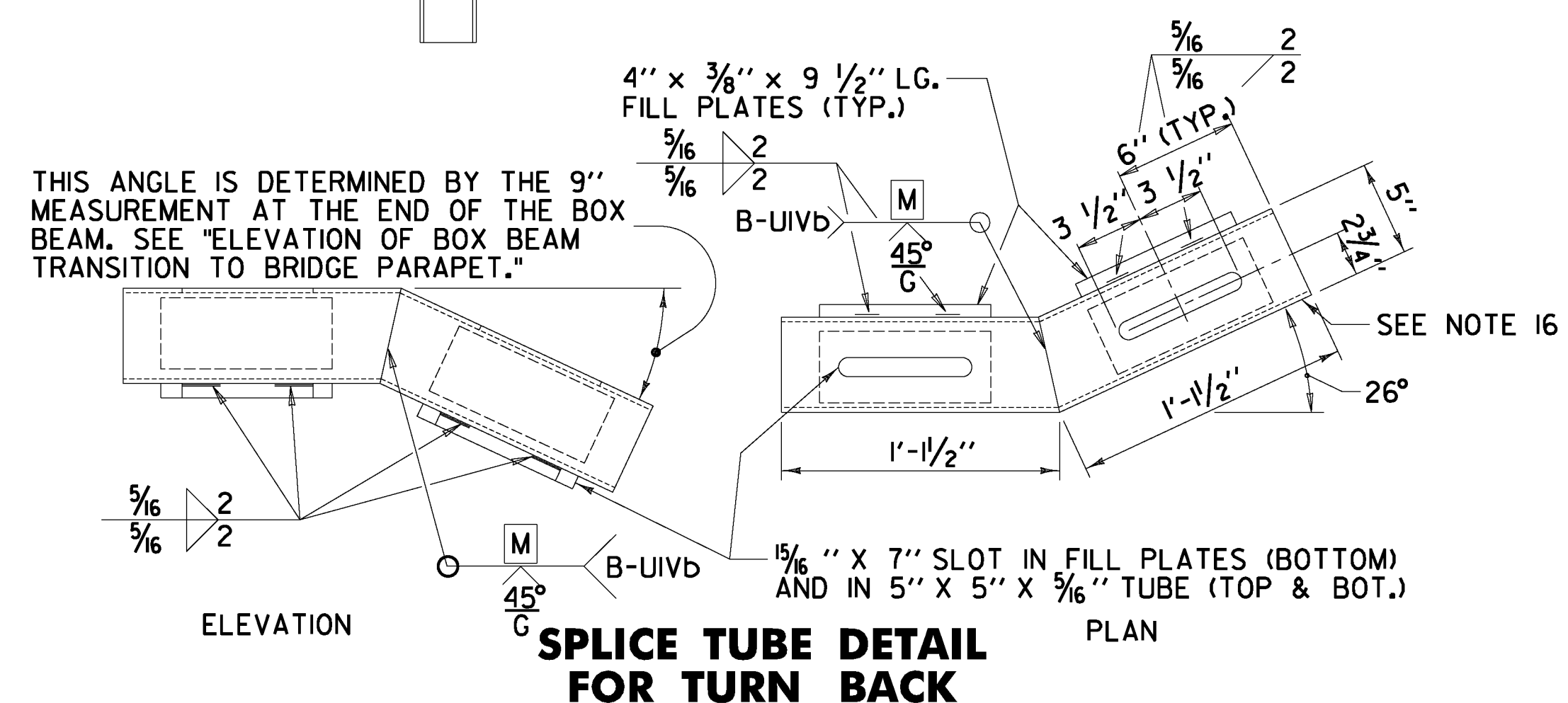
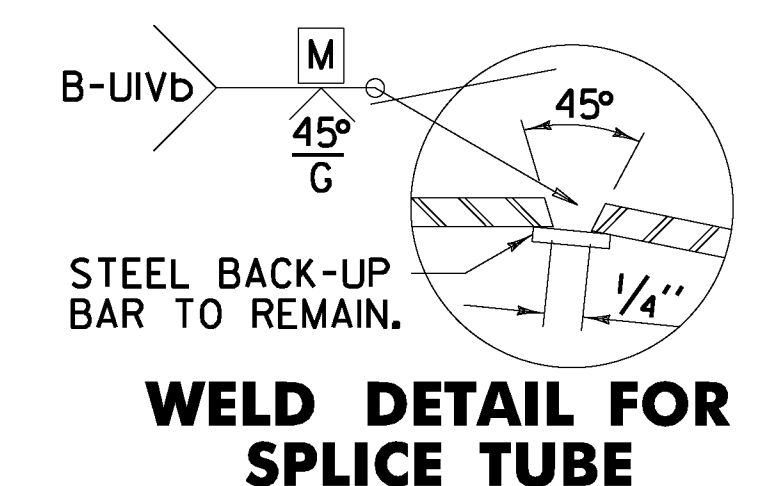
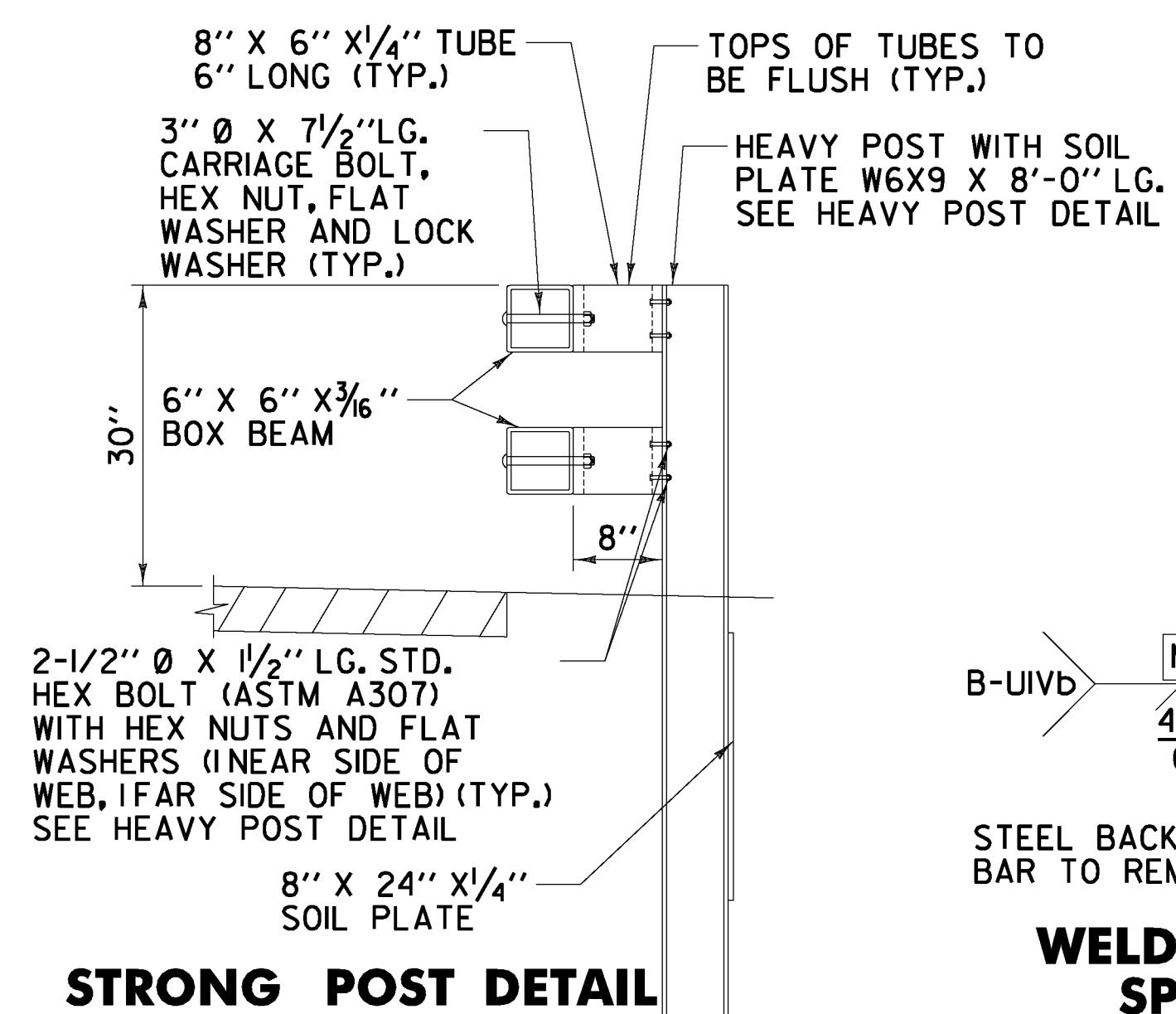
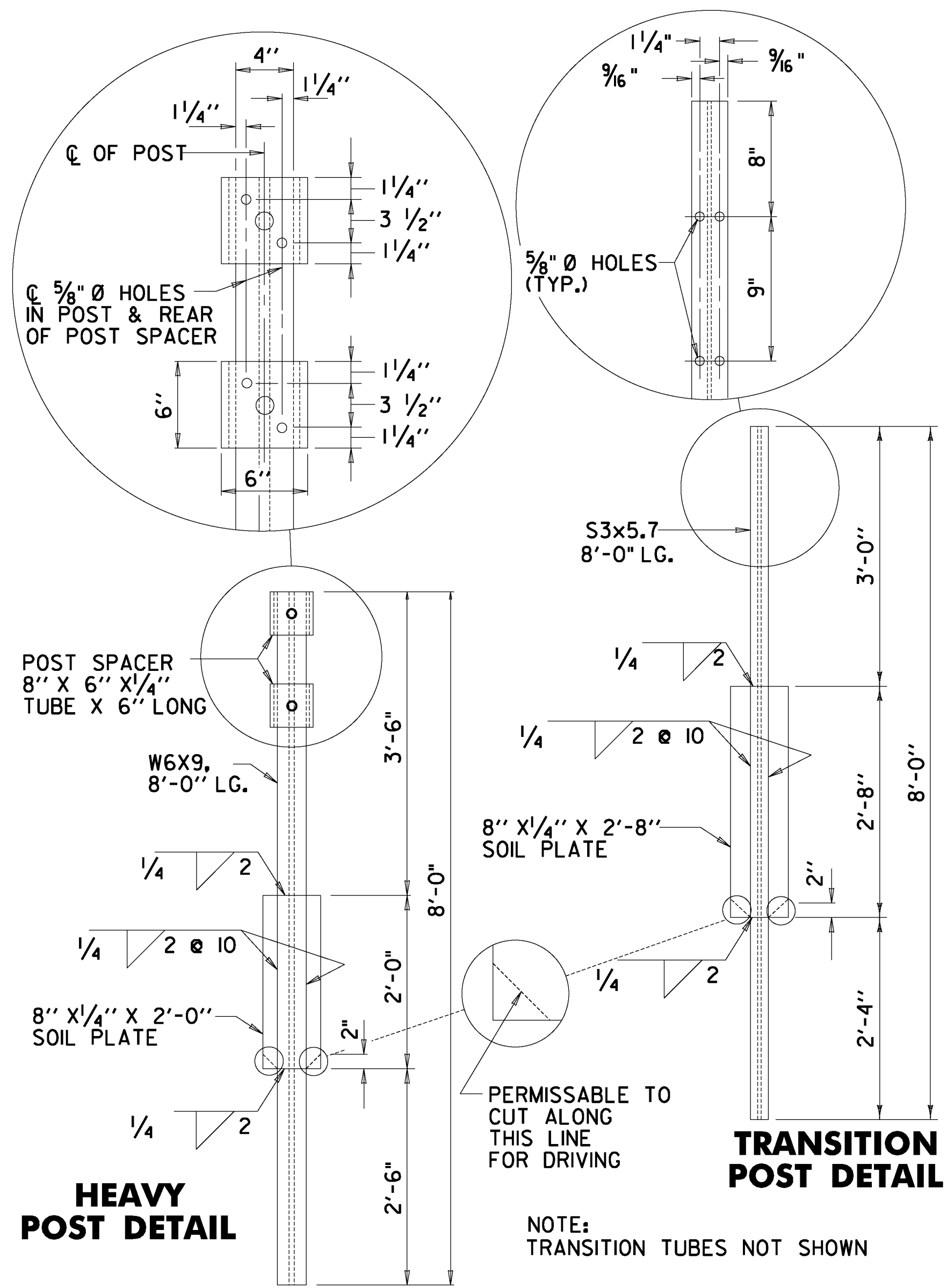


BRIDGE QUANTITY SHEET

| STATION | POS | 525.10 | 900.620 | 900.640 | REMARKS |
|---------------------|-----|--------------------------|--|---|---------|
| | | REMOVAL OF EXISTING RAIL | SPECIAL PROVISION (GUARDRAIL APPROACH SECTION, GALVANIZED 2 RAIL BOX BEAM) | SPECIAL PROVISION (BRIDGE RAILING, GALVANIZED 2 RAIL BOX BEAM/FASCIA MOUNTED) | |
| WARREN: | | LF | EACH | LF | |
| 78+09.7 - 79+61.8 | RT | 87.50 | 2 | 87.50 | BR 167 |
| 78+23.2 - 79+75.3 | LT | 87.50 | 2 | 87.50 | BR 167 |
| 174+60.2 - 176+55.0 | LT | 162.50 | 2 | 162.50 | BR 169 |
| 175+25.0 - 177+22.3 | RT | 162.50 | 2 | 162.50 | BR 169 |
| WAITSFIELD: | | | | | |
| 100+83.7 - 103+23.3 | LT | 175.00 | 2 | 175.00 | BR 177 |
| 101+16.7 - 103+51.1 | RT | 168.75 | 2 | 168.75 | BR 177 |
| 123+26.7 - 124+60.1 | RT | 68.75 | 2 | 68.75 | BR 178 |
| 123+27.9 - 124+61.3 | LT | 68.75 | 2 | 68.75 | BR 178 |
| ROUNDING | | 18.75 | - | 18.75 | |
| TOTAL | | 1000 | 16 | 1000 | |

GENERAL NOTES

- FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS PRACTICABLE TO THE MIDPOINT BETWEEN THE BRIDGE END POST AND APPROACH RAIL POST I.
- SEE VTRANS STANDARD SHEETS G-1 AND G-1B FOR DELINEATION DETAILS AND PLACEMENT.
- ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 31'-3" APART. PAYMENT SHALL BE INCIDENTAL TO OTHER ITEMS.
- NEW BRIDGE RAILING POSTS SHALL BE SET NORMAL TO GRADE.
- ALL WELDING SHALL CONFORM TO THE PROVISIONS OF SUBSECTION 506.10 OF THE STANDARD SPECIFICATIONS.
- THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON LIMITED FIELD INVESTIGATION AND AVAILABLE RECORD DRAWING INFORMATION. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO THE CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- ALL LANES SHALL BE OPENED TO TRAFFIC DURING NON-WORKING HOURS. NO GAPS BETWEEN EXISTING RAILING AND NEW RAILING WILL BE PERMITTED. DETAILS FOR TEMPORARY RAIL SHALL BE SUBMITTED FOR APPROVAL IF REQUIRED TO BRIDGE GAPS IN RAILING. PAYMENT FOR TEMPORARY RAIL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 525.10 REMOVAL OF EXISTING RAILING.
- ALL OFFSET BLOCKS AND FIXTURES SHALL BE PROVIDED IN ACCORDANCE WITH SUBSECTION 732.04, UNLESS OTHERWISE NOTED, AND SHALL BE GALVANIZED AFTER FABRICATION TO CONFORM TO SUBSECTION 726.08.
- ALL BOX BEAM COMPONENTS, INCLUDING POSTS AND HARDWARE, SHALL CONFORM TO THE CURRENT SPECIFICATION FOR BOX BEAM GUARD RAIL. REFER TO STANDARD G-1B FOR DETAILS. ALL BOX BEAM COMPONENTS, INCLUDING POSTS AND HARDWARE, SHALL BE GALVANIZED AND CONFORM TO SUBSECTION 732.03.
- FOR DETAILS OF STANDARD POST, RAIL ELEMENT, RAIL SUPPORT ANGLE, SPLICE CONNECTIONS, END COVER PLATE, TYPE I AND TYPE II END ASSEMBLIES AND DELINEATION DEVICE, SEE THE VTRANS STANDARD SHEET G-1B.
- THE BOX BEAM RAIL AND LOWER RUB RAIL SHALL BE SHOP BENT TO THE INDICATED RADIUS AT ALL NECESSARY LOCATIONS DETAILED IN THESE PLANS. THE RADIUS SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO FABRICATION.
- THE COST OF ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO COMPLETE THE WORK SHOWN FOR THESE DETAILS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.620 SPECIAL PROVISION (GUARDRAIL APPROACH SECTION, GALVANIZED 2 RAIL BOX BEAM) AND ITEM 900.640 SPECIAL PROVISION (BRIDGE RAILING, GALVANIZED 2 RAIL BOX BEAM/FASCIA MOUNTED).
- BOX BEAM BRIDGE RAIL HEIGHT (30") SHALL TRANSITION TO THE NORMAL ROADWAY HEIGHT OF 27" AT THE POINT WHERE THE LOWER RUB RAIL TURNS BACK UNDER THE UPPER BOX BEAM RAIL.
- PROTRUSIONS CAUSED BY WELDING ARE NOT PERMITTED ON THE INSIDE WALLS OF THE SPLICE AREA.
- PROTRUSIONS CAUSED BY WELDING ARE NOT PERMITTED ON THE OUTSIDE WALLS OF THE SPLICE TUBE OR THE OUTSIDE SURFACES OF THE FILL PLATE.
- THE COST OF PROVIDING AND INSTALLING NEW BRIDGE POSTS SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 900.640 SPECIAL PROVISION (BRIDGE RAILING, GALVANIZED 2 RAIL BOX BEAM/FASCIA MOUNTED).



NOT TO SCALE

BRIDGE DETAIL SHEET #1

| | | | |
|-----------------|---------------------|-------------|------------|
| PROJECT NAME: | WARREN - WAITSFIELD | PLOT DATE: | 12/20/2012 |
| PROJECT NUMBER: | STP 2506(1) | DRAWN BY: | W.G.P. |
| FILE NAME: | p05b048.dgn | CHECKED BY: | D.E.G. |
| PROJECT LEADER: | D.E.G. | SHEET | 305 OF 310 |
| DESIGNED BY: | M.J.M. | | |
| IPARM FILE: | p05b048bdt1.i | | |

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