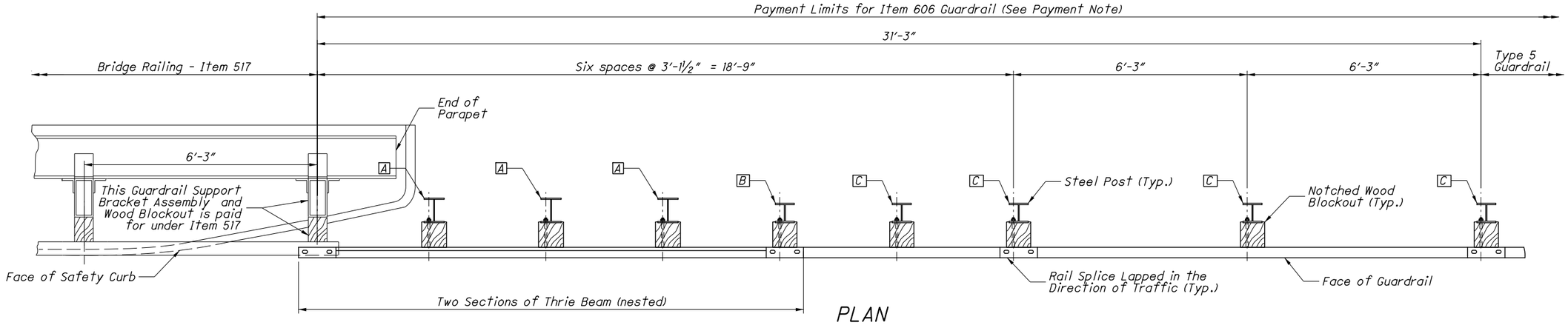
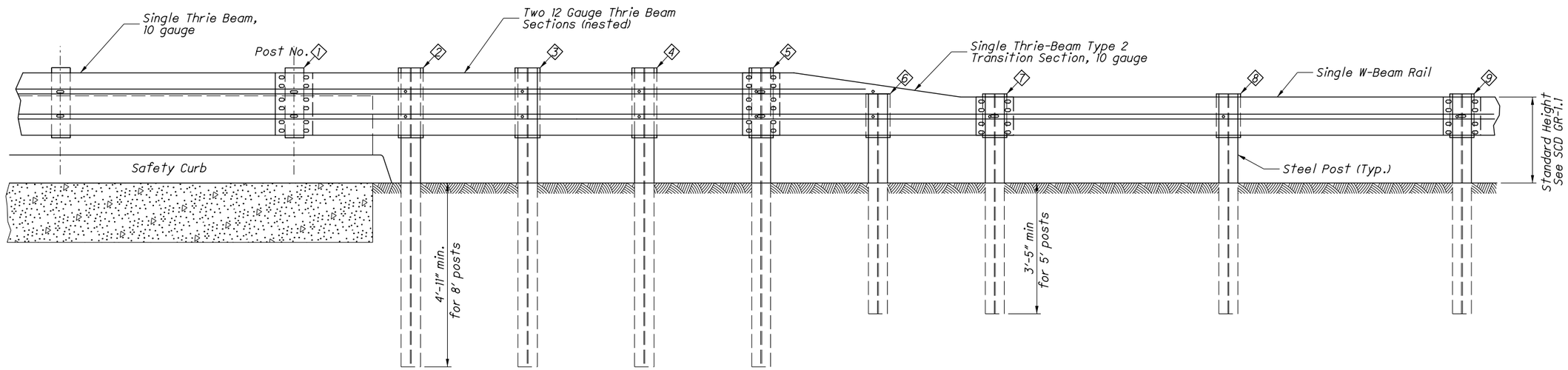


PLAN



ELEVATION

NOTES

GENERAL: For additional rail and post details, see **SCD GR-1.1**.

APPLICATION: Use Type 3 Bridge Terminal Assembly to connect guardrail runs for both the approach and trailing ends of Thrie Beam Bridge Railings. The design detailed on this sheet is approved to NCHRP 350 Test Level 3. See **Structural Engineering's SCD TBR-1-11** for the associated Bridge Railing.

THRIE BEAM TRANSITION: The asymmetrical W-Beam to Thrie Beam transition panel shall be 10 guage.

FLARED GUARDRAIL: Start Standard Guardrail Flares as shown on **SCD GR-5.1** at or beyond Post No. 9; However, where sight constraints exist, the flare may begin at Post No. 7.

POSTS: - Use steel posts only. Wood posts are not permitted in this design. Posts may be set in drilled holes or driven to grade. After placing posts in drilled holes, backfill and tamp disturbed soil. See **SCD GR-1.1** for additional post embedment details.

BLOCKOUTS: Steel posts in this design require the use of notched wood blockouts similar to those shown on **SCD GR-2.1**. The Blockout's notch shall be sized to accept the post's flange. Steel or plastic blockouts are not permitted.

PAYMENT: ITEM 606 - Bridge Terminal Assembly, Type 3, Each, includes the cost of extra components, in excess of normal guardrail, for additional and different types of posts and blockouts, nested Thrie-Beam, transition and connector sections, and other hardware.

LEGEND

A Posts 2, 3, & 4:
W8x24x8'-0" Steel Post with
8"x8"x22½" Notched Wood Blockout

B Post 5:
W6x25x8'-0" Steel Post with
8"x8"x22½" Notched Wood Blockout

C Post 6, 7, 8, & 9:
W6x25x6'-0" Steel Post with
8"x8"x14" Notched Wood Blockout

OFFICE OF ROADWAY ENGINEERING

DESIGNED | REVIEWED | REVISION DATE | CHECKED | PIS NUMBER

PLAN INSERT SHEET

BRIDGE TERMINAL ASSEMBLY, TYPE 3

WAY-94-14.16
MED-94-0.00
WAY-585-(11.96)(14.78)

1 / 1

57 / 59

DESIGN FILE:i:\projects\86728\roadway\sheets\PIS_GR-3.3_1-18-2013.dgn
WORKSTATION:mpeters DATE:12/1/2014 MODELNAME: Sheet