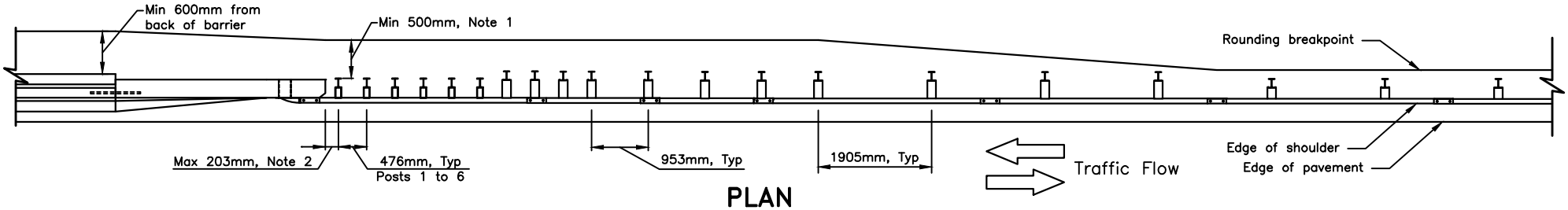
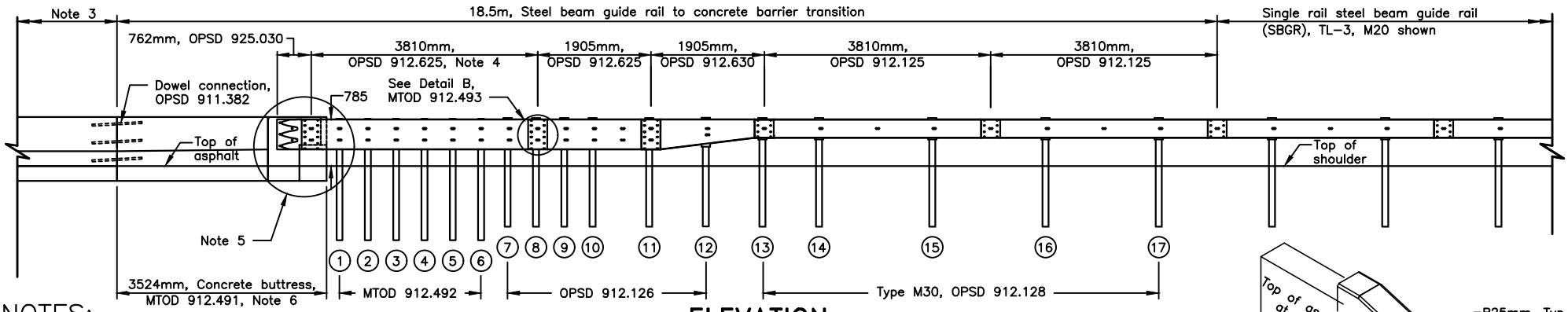
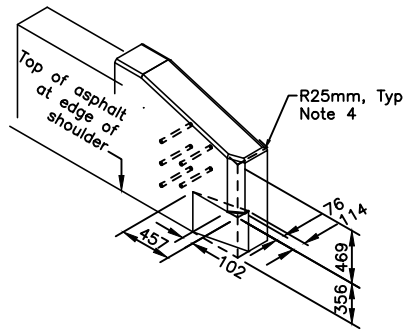


PLAN



ELEVATION



ISOMETRIC VIEW, DUAL TAPERS ON BRIDGE PARAPET WALL, NOTE 6

NOTES:

1 Posts 1 to 14 shall be installed on a 10H:1V or flatter cross-slope with a 500mm minimum width measured from the back of post to the rounding breakpoint. The flat width and cross-slope shall then transition to the width and cross-slope required for post support of the SBGR installation.
2 203mm maximum offset shall be measured from the concrete buttress vertical edge to the centre of post 1.
3 Permanent concrete barrier, roadside, cast-in-place or slipformed shown.
4 All top edges shall be chamfered with a 25mm radius.
5 For retrofit installations, see MTOD 912.493 Detail A. For new installations, see MTOD 912.494.
6 The thrie beam connector shall be anchored to a concrete buttress or to a bridge parapet wall when used as a structure connection. When this transition is used as a structure connection, the bridge parapet wall shall have the dual tapers (102x76mm at the bottom and 457x114mm at the top) shown on the isometric view and shall permit hole drilling to anchor the thrie beam connector. Paved shoulder shall transition as shown on OPSD 912.530.

A This MTOD to be read in conjunction with MTODs 912.491, 912.492, 912.493, and OPSD 912.530.
B System configuration meets AASHTO MASH TL-3.
C All dimensions are in millimetres unless otherwise shown.

MINISTRY OF TRANSPORTATION ONTARIO DRAWING

GUIDE RAIL SYSTEM, STEEL BEAM

TRANSITION TO PERMANENT CONCRETE BARRIER OR BRIDGE PARAPET WALL (STRUCTURE CONNECTION) INSTALLATION

DATE	July 2025	Rev	0

DRAFT

MTOD 912.490