NOTE:
1. See Detail C617-31 for other details.
2. Rail height changes 16" from Post 10 to Post 1 to achieve 12" of soil coverage at Post 1.
3. Typical post spacing is 6'-3" unless otherwise noted.

<table>
<thead>
<tr>
<th>POST</th>
<th>DISTANCE FROM EDGE OF SHOULDER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12'-1½&quot;</td>
</tr>
<tr>
<td>4</td>
<td>10'-11&quot;</td>
</tr>
<tr>
<td>5</td>
<td>8'-10½&quot;</td>
</tr>
<tr>
<td>10</td>
<td>6½'</td>
</tr>
</tbody>
</table>

FIELD DRILL ¾" DIA. HOLE IN POST

See Note 3

NOTE:

1. See Detail C617-31 for other details.
2. Rail height changes 16" from Post 10 to Post 1 to achieve 12" of soil coverage at Post 1.
3. Typical post spacing is 6'-3" unless otherwise noted.
NOTE:
1. See Sheet 1 of 2 for terminal layout.
2. Use zinc rich paint to coat field drilled holes.
3. Anchor plate and hardware are typical on top rail of Posts 1-3 and rub rail at Post 4.

SPECIAL RAIL TO POST CONNECTION
AT POSTS 1, 2, AND 3

STEEL PLATE AND WASHER
See Note 3

NO SCALE
MGS W-Beam Guardrail, Back Slope Anchor Terminal Type MGS-BAT

General Information

**Appropriate Applications.**
- In areas of cut sections, or where the road is transitioning from cut to fill, the back slope anchor terminates a w-beam guardrail installation by burying the end into a slope.

<table>
<thead>
<tr>
<th>Crash Test Criteria</th>
<th>MASH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Level</td>
<td>TL-3</td>
</tr>
<tr>
<td>FHWA Eligibility Letter</td>
<td>None available</td>
</tr>
<tr>
<td>TF 13 Designator</td>
<td>Not posted</td>
</tr>
<tr>
<td>Crash Test Report</td>
<td>TTI report 608431-01-1&amp;2</td>
</tr>
</tbody>
</table>

**Limitations.** Need a steep backslope to bury the terminal into (1V:2H or steeper). Need a 1V:4H foreslope (not tested for 1V:6H yet).

**Layout Guidance.**
- See AASHTO Roadside Design Guide, Section 8.3.6.1
- Carefully review the site, especially the foreslope, backslope, and ditch configuration. Verify onsite drainage needs can be met.

Photo from TTI Report 608431-01-1&2

**Applicable SCRs**
- Section 563 (if weathering agent applied to galvanized elements)
- Section 617
- Section 710
- Section 725 (if weathering agent applied to galvanized elements)

**Typical Pay Item Used**
- 61702-1700 Terminal section, type MGS-BAT [EA]

**Updates**
February 2019
- New Detail drawing