Contact HQ Design Office Before Using

For Timber Post: 2½" (41 mm) x 2½" (64 mm) long button head bolt with 5/16" (8 mm) oval grip, cut washer, and hex nut. For steel post: 2½" (41 mm) x 2½" (64 mm) long button head bolt with 5/16" (8 mm) oval grip, cut washer, and hex nut.

Section A

Section B

Section C

PERSPECTIVE

Location of post (without block) - WE x 62 or WE x 5 steel post only

Location of posts & blocks (Type 1) [See Note 1]

Location of posts & blocks (Type 2) [See Note 4]

Notes:
1. Posts installed on shoulder slopes steeper than 10:1 shall be 8 (ft) long.
2. The flare rate of the guardrail may be increased after crossing the ditch bottom to shorten the length of the terminal.
3. Determine the height of the Waseam at the anchor (A) by first calculating the perpendicular offset distance (D) from the edge of shoulder (B) to the anchor (C). Multiply that distance by 51, then subtract the product from the elevation of the same point (B) on the edge of shoulders used to obtain the offset distance at the same station. Add beam guardrail design height (23") (H) to that remainder for a sum that equals the elevation of the top of the Waseam at the anchor.
4. Timber or steel post, steel post shown.

Elevation of Guardrail - See Table

Beam Guardrail Type 1 - Buried Terminal Type 2

Beam guardrail anchor type 2 - See standard plan C-4a

Beam guardrail anchor type 2 - See standard plan C-4b

Beam guardrail anchor type 2 - See standard plan C-4c

Flare Rate Table

<table>
<thead>
<tr>
<th>Rate (ft)</th>
<th>Posted Speed (MPH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 1/1</td>
<td>70</td>
</tr>
<tr>
<td>14 1/1</td>
<td>60</td>
</tr>
<tr>
<td>12 1/1</td>
<td>59</td>
</tr>
<tr>
<td>11 1/1</td>
<td>50</td>
</tr>
<tr>
<td>10 1/1</td>
<td>45</td>
</tr>
<tr>
<td>9 1/1</td>
<td>40 or less</td>
</tr>
</tbody>
</table>

Washington State Department of Transportation