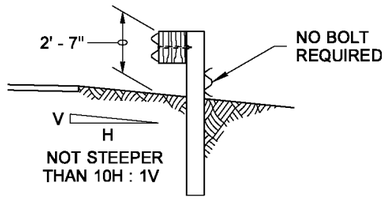
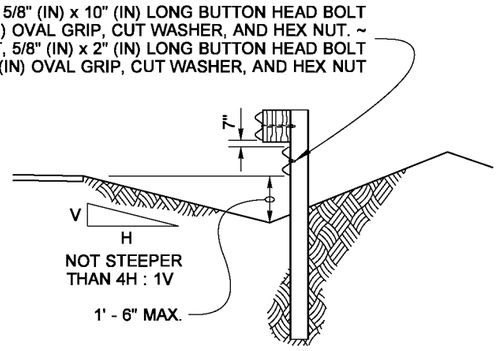
DRAWN BY: FERN LIDDELL



SECTION (A)



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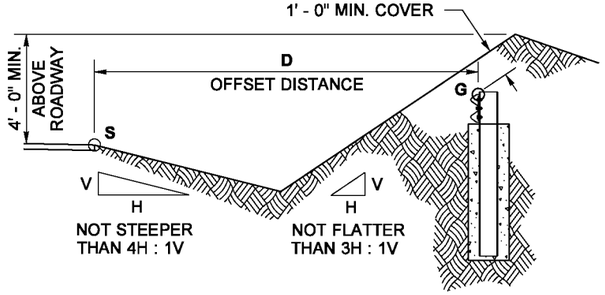
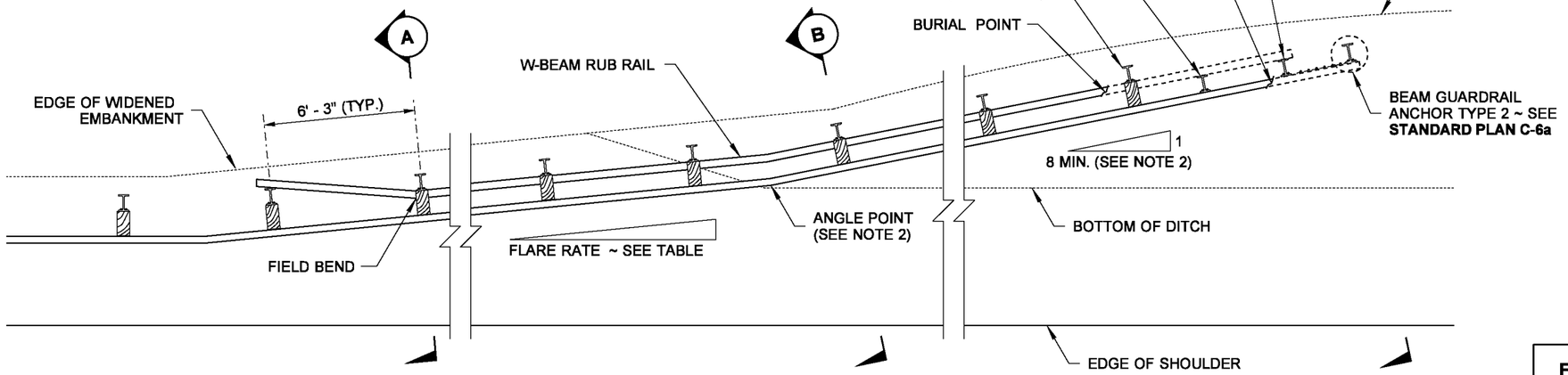
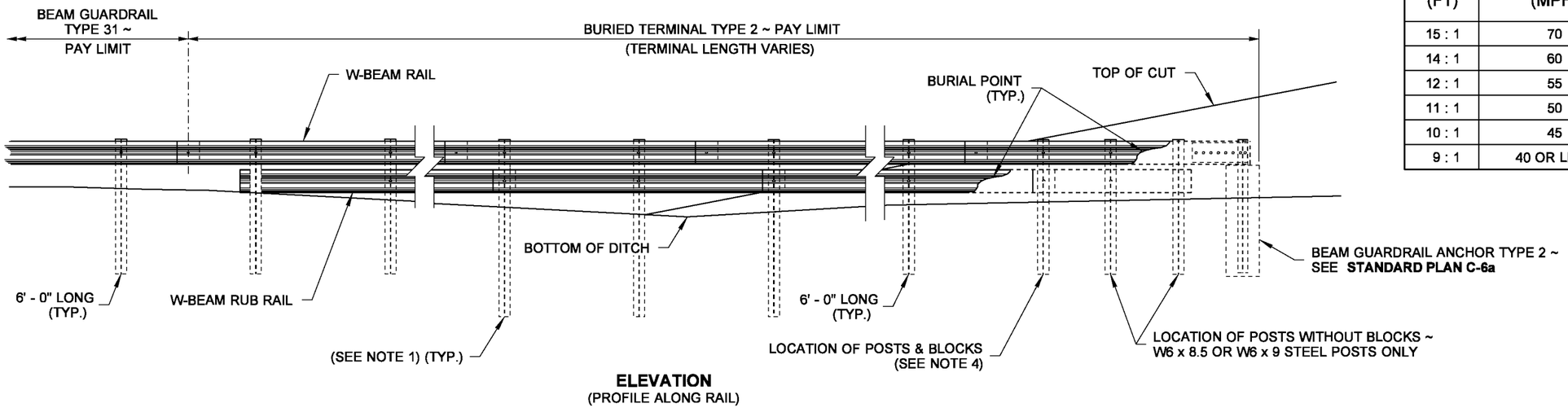


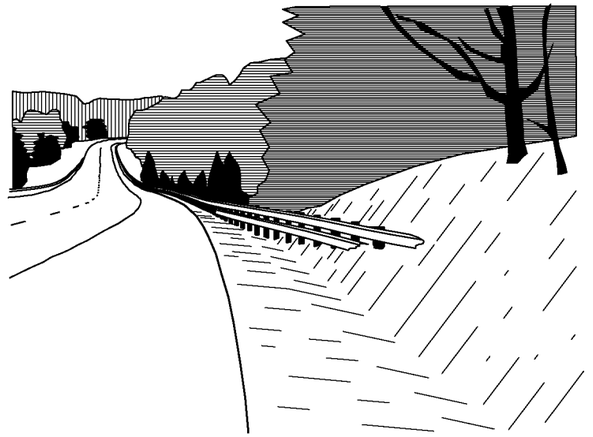
SECTION (C)



PLAN



ELEVATION
(PROFILE ALONG RAIL)



PERSPECTIVE

NOTES

1. Posts installed on shoulder slopes steeper than 10H : 1V 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 W-Beam at the Anchor (**G**) by first calculating the perpendicular offset distance (**D**) from the edge of shoulder (**S**) to the Anchor (on station). Multiply that distance by 0.1, then subtract the product from the elevation of the same point (**S**) on the edge of shoulder used to obtain the offset distance (at the same station). Add Beam Guardrail design height (31" (in)) to that remainder for a sum that equals the elevation of the top of the W-Beam at the Anchor.

   Refer to SECTION "C":

   $$\text{Elevation}_{G} = (\text{Elevation}_{S} - D(0.1)) + 31$$

4. Timber or steel post. Steel post shown.

FLARE RATE TABLE	
RATE (FT)	**POSTED SPEED** (MPH)
15 : 1	70
14 : 1	60
12 : 1	55
11 : 1	50
10 : 1	45
9 : 1	40 OR LESS

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Jul 14 2015 7:54 AM

BEAM GUARDRAIL TYPE 31 ~ BURIED TERMINAL TYPE 2

STANDARD PLAN C-22.16-05

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
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