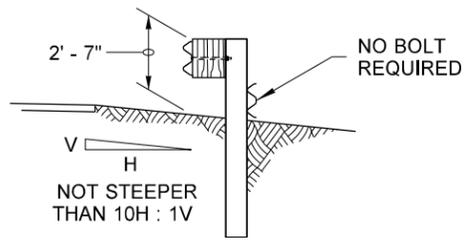
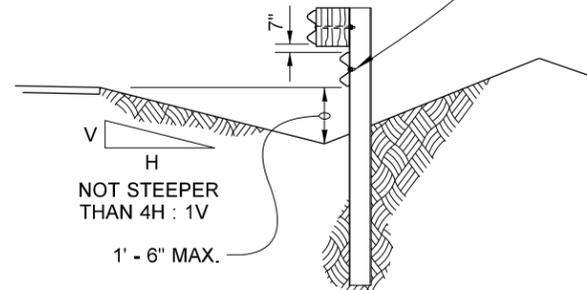


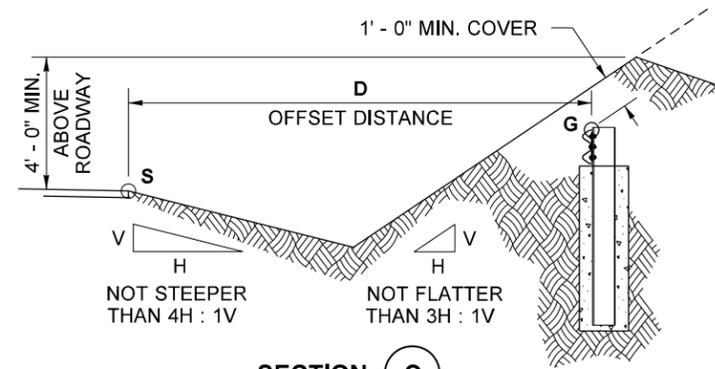
FOR TIMBER POST, 5/8" (IN) x 10" (IN) LONG BUTTON HEAD BOLT WITH 7/32" (IN) OVAL GRIP, CUT WASHER, AND HEX NUT. ~
FOR STEEL POST, 5/8" (IN) x 2" (IN) LONG BUTTON HEAD BOLT WITH 7/32" (IN) OVAL GRIP, CUT WASHER, AND HEX NUT



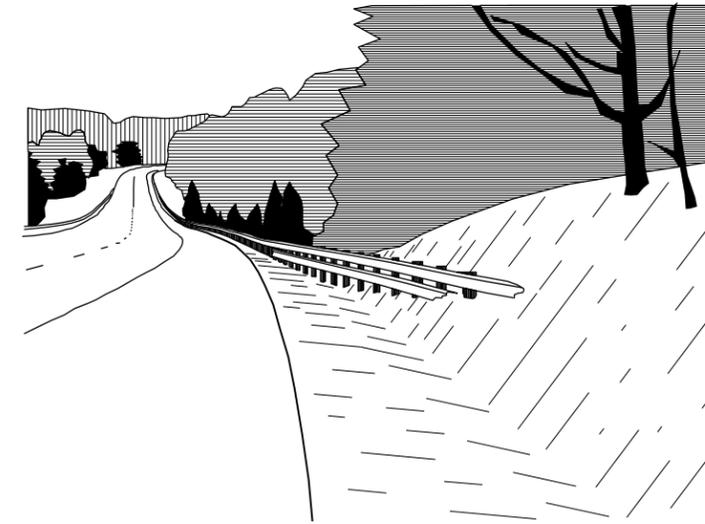
SECTION A



SECTION B

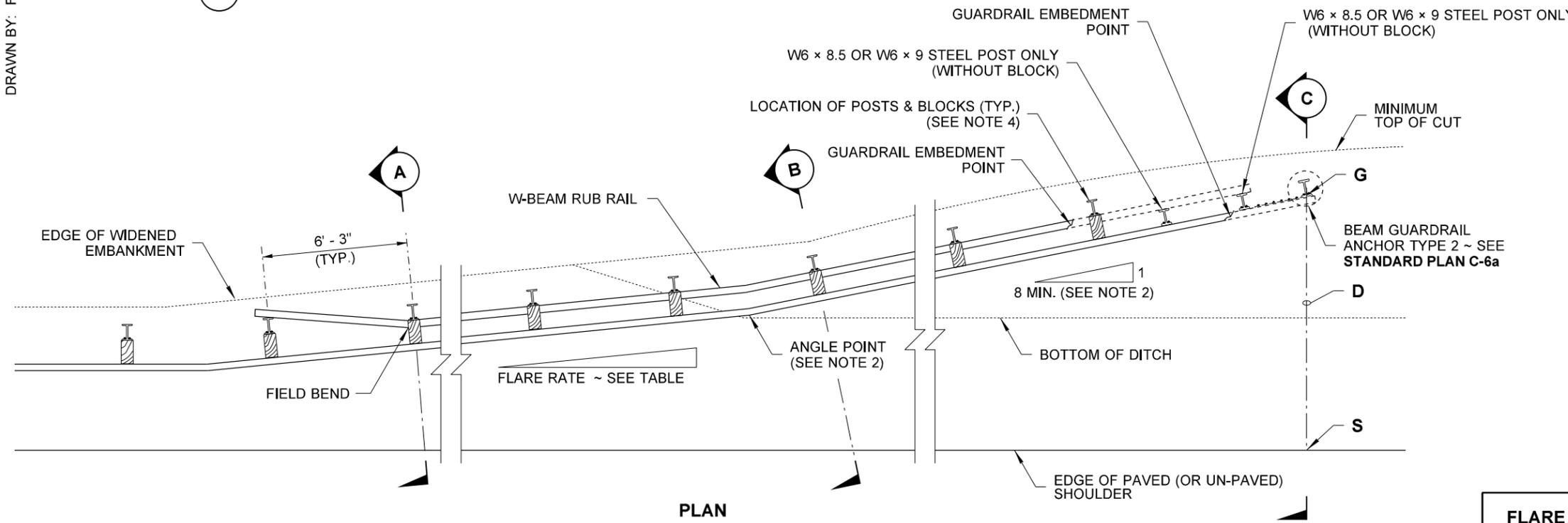


SECTION C
(SEE NOTE 3)



PERSPECTIVE

DRAWN BY: FERN LIDDELL



PLAN

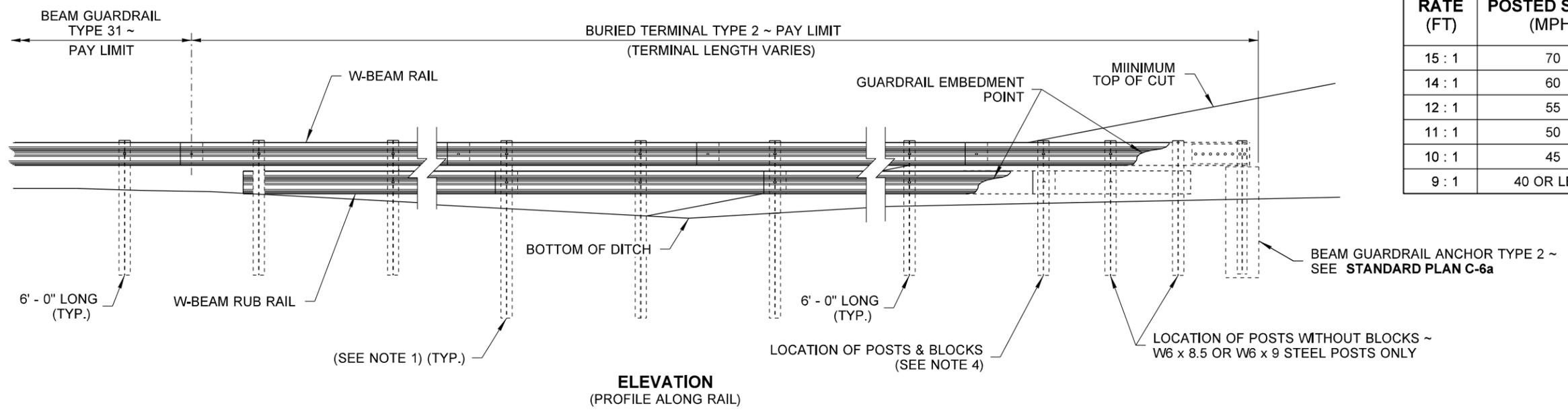
NOTES

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":

$$\text{Elevation } G = [(\text{Elevation } S - D \times (0.1)) + (31" / 12)]$$

4. Timber or steel post. Steel post shown.



ELEVATION
(PROFILE ALONG RAIL)

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



2020.08.27
09:46:30 -07'00'

BEAM GUARDRAIL TYPE 31 - BURIED TERMINAL TYPE 2

STANDARD PLAN C-22.16-07

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Date: 2020.09.16 09:52:32 -07'00'

STATE DESIGN ENGINEER

