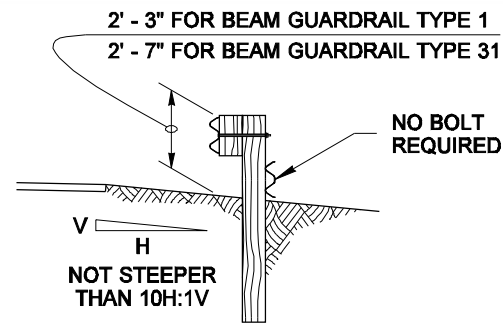
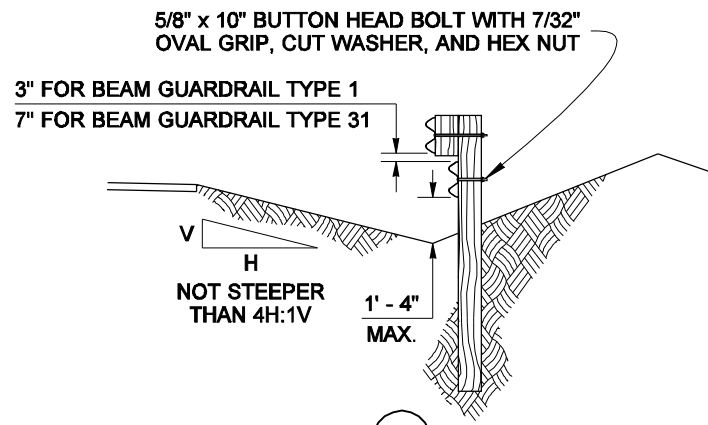


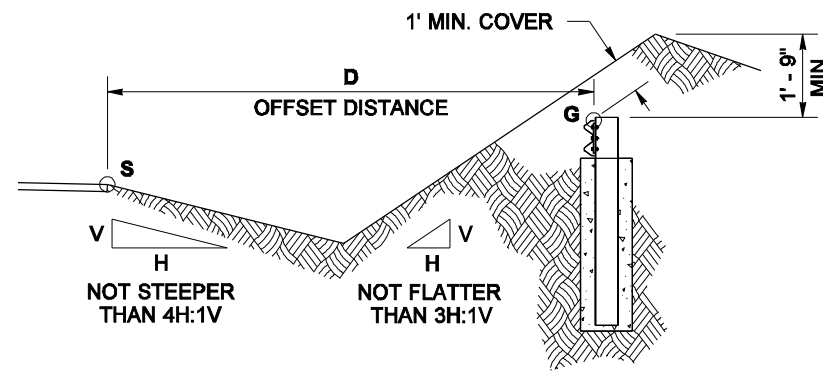
DRAWN BY: MARK SUJKA



SECTION A

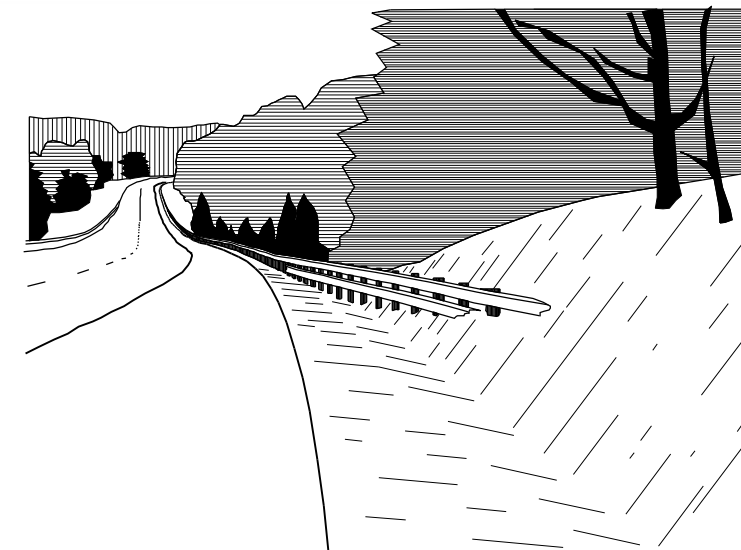


SECTION B

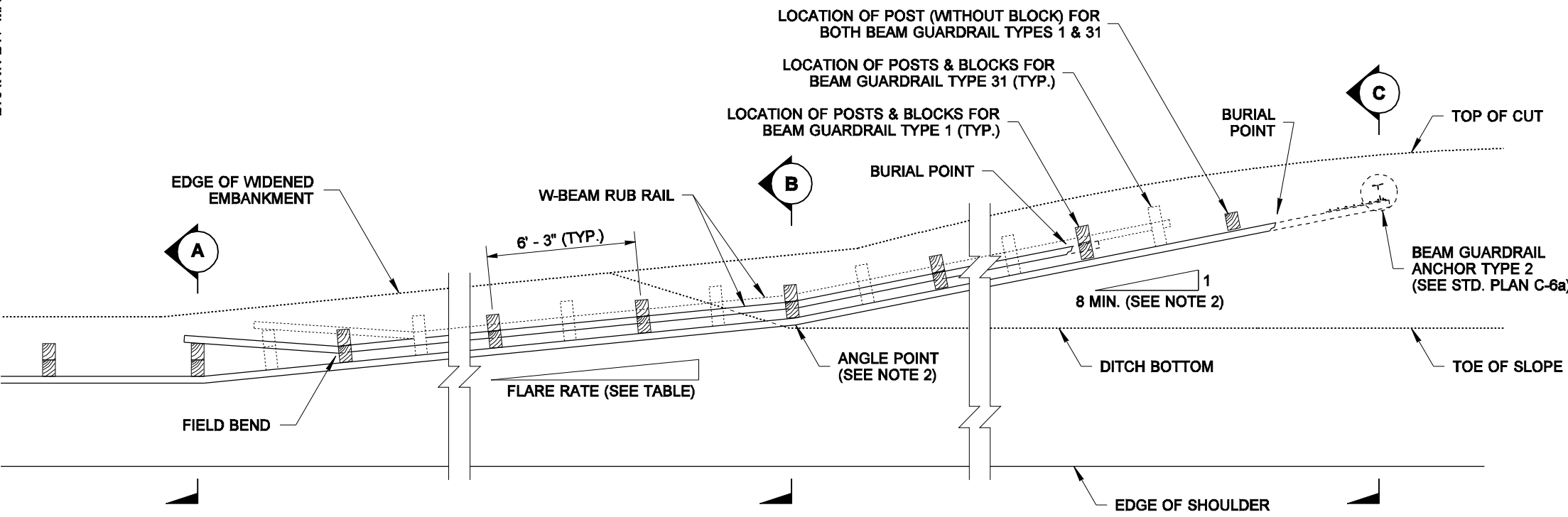


SEE NOTE 3

SECTION C



PERSPECTIVE



PLAN

NOTES

1. Posts installed on shoulder slopes steeper than 10H:1V shall be 8' long.
2. The flare rate of the guardrail may be steepened 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 (H) to that remainder for a sum that equals the elevation of the top of the W-Beam at the Anchor.

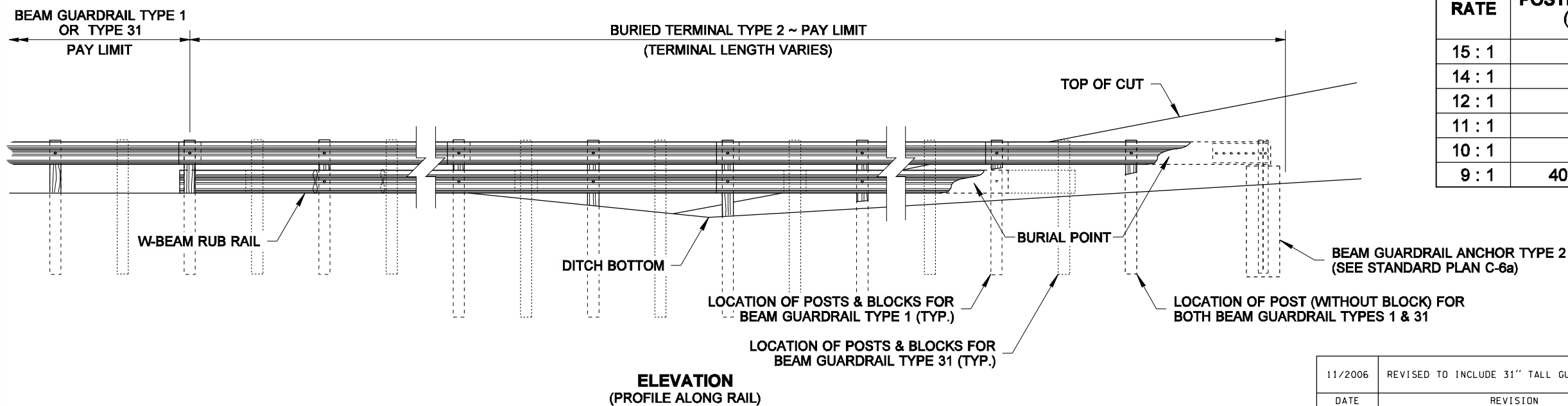
Refer to SECTION "C":

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

H = 27" (2.25') for Beam Guardrail Type 1

H = 31" (2.58') for Beam Guardrail Type 31

FLARE RATE TABLE	
RATE	POSTED SPEED (mph)
15 : 1	70
14 : 1	60
12 : 1	55
11 : 1	50
10 : 1	45
9 : 1	40 or less



ELEVATION
(PROFILE ALONG RAIL)



EXPIRES JULY 24, 2008

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT UNLESS IT IS SIGNED BY THE ORIGINAL ENGINEER AND APPROVED FOR PUBLICATION. A COPY MAY BE OBTAINED UPON REQUEST.

**BEAM GUARDRAIL
BURIED TERMINAL TYPE 2
STANDARD PLAN C-4a**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Ken L. Smith 02-21-07
STATE DESIGN ENGINEER DATE



11/2006	REVISED TO INCLUDE 31" TALL GUARDRAIL	MAS
DATE	REVISION	BY