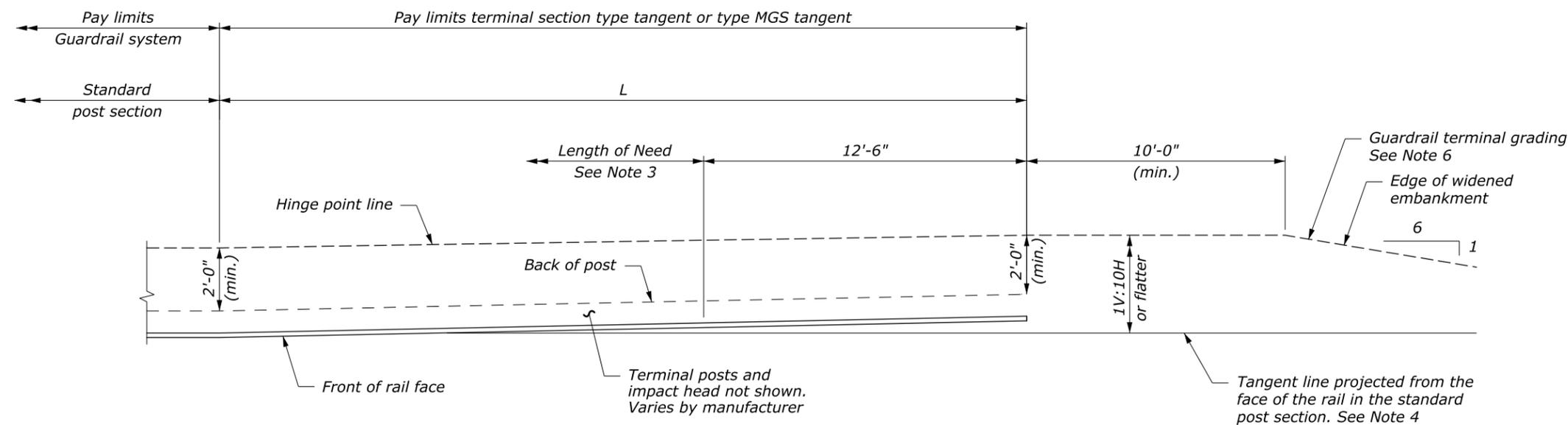


PLAN
PREFERRED GRADING



PLAN
ALTERNATIVE GRADING

NOTES:

1. Install tangent W-Beam guardrail terminal according to the manufacturer's recommendations. See manufacturer's drawings for other details.
2. Construct the terminal grading as shown in the staking notes or model. If no staking notes or model is provided, use the preferred grading layout as much as practical within site constraints. If necessary because of site limitations, use the alternative grading layout.
3. For design purposes, the length of need is assumed to begin at post 3. Verify the length of need with the manufacturer of a specific product. Adjust grading as necessary to install the tangent terminal according to the manufacturer's recommendations.
4. Install the terminal at a $1V:25H$ or flatter taper, to position the end farther away from the edge of the shoulder, or use a taper according to the manufacturer's recommendations.
5. Install a reflectorized object marker on the impact head.
6. Construct a $1V:4H$ or flatter slope outside of the guardrail terminal grading extents where practical.

TEST LEVEL	L (FT)
2 (≤ 45 mph)	25
3 (> 45 mph)	37.5 or 50 (for G4)
	50 (for MGS)

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION OFFICE OF FEDERAL LANDS HIGHWAY	
EFLHD DETAIL MGS AND G4 W-BEAM GUARDRAIL TYPE TANGENT TERMINAL AND GRADING	
DETAIL APPROVED FOR USE 2/2019 REVISED: 4/2019 9/2020	DETAIL ET 617-20