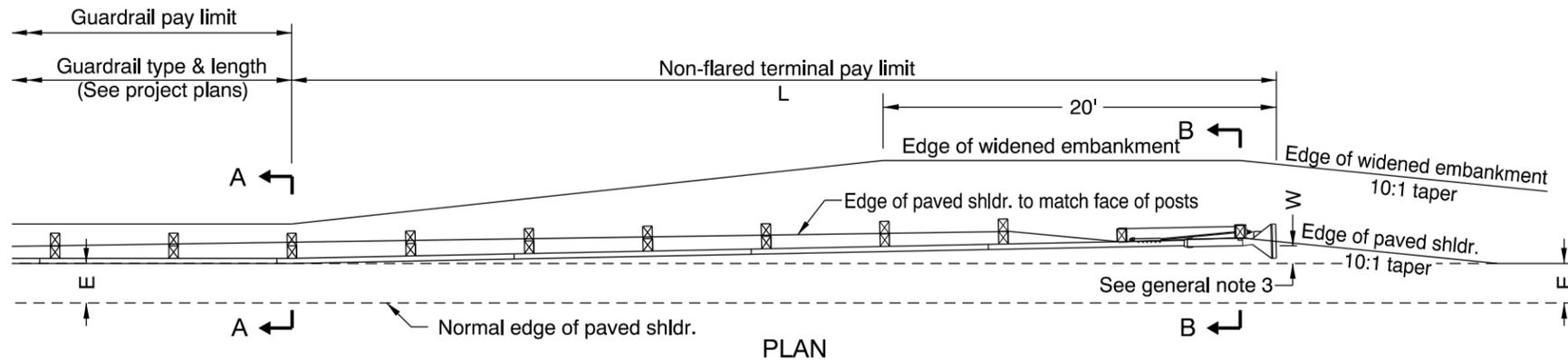
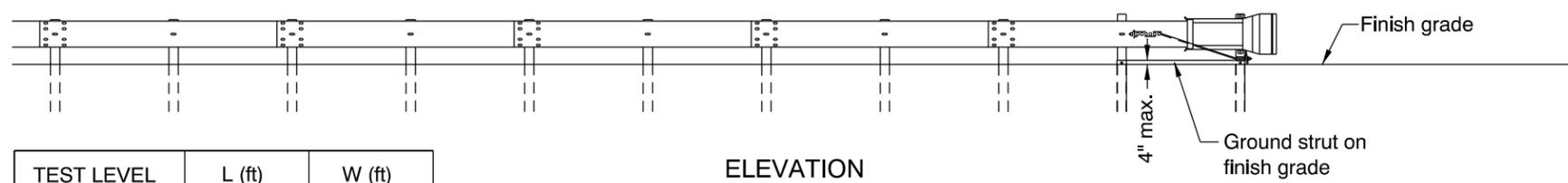


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PLAN



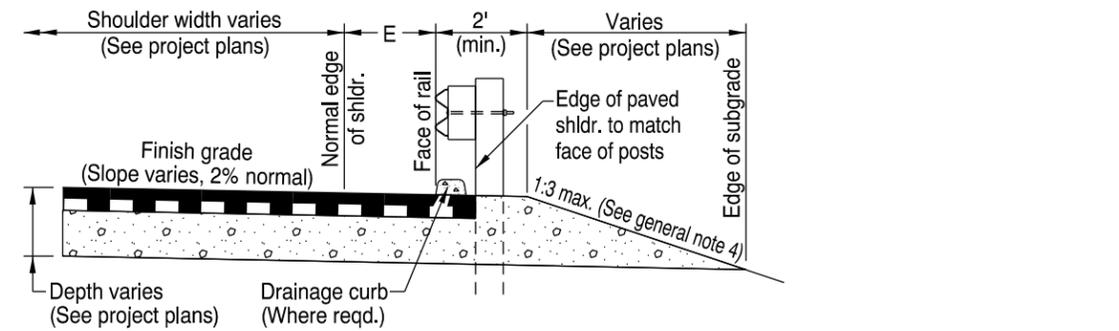
ELEVATION

TEST LEVEL	L (ft)	W (ft)
2 (≤ 45 mph)	25	1 to 2 **
3 (> 45 mph)	37.5 or 50	1 to 2 **

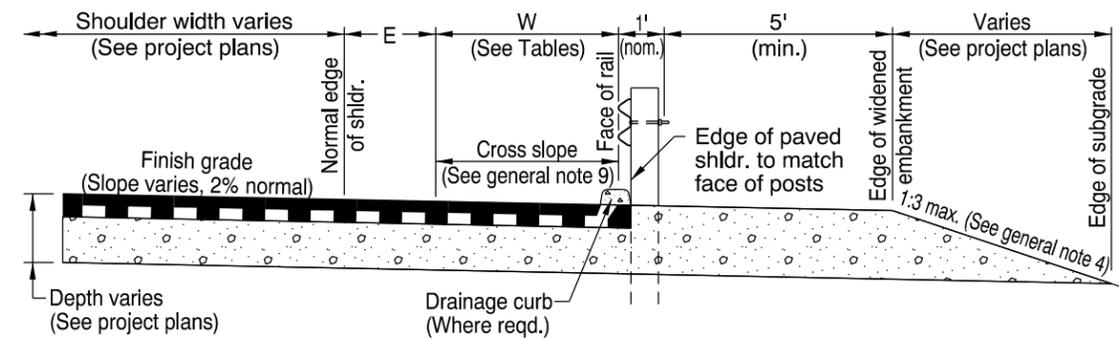
\*\* See general note 3

NON-FLARED OPTION

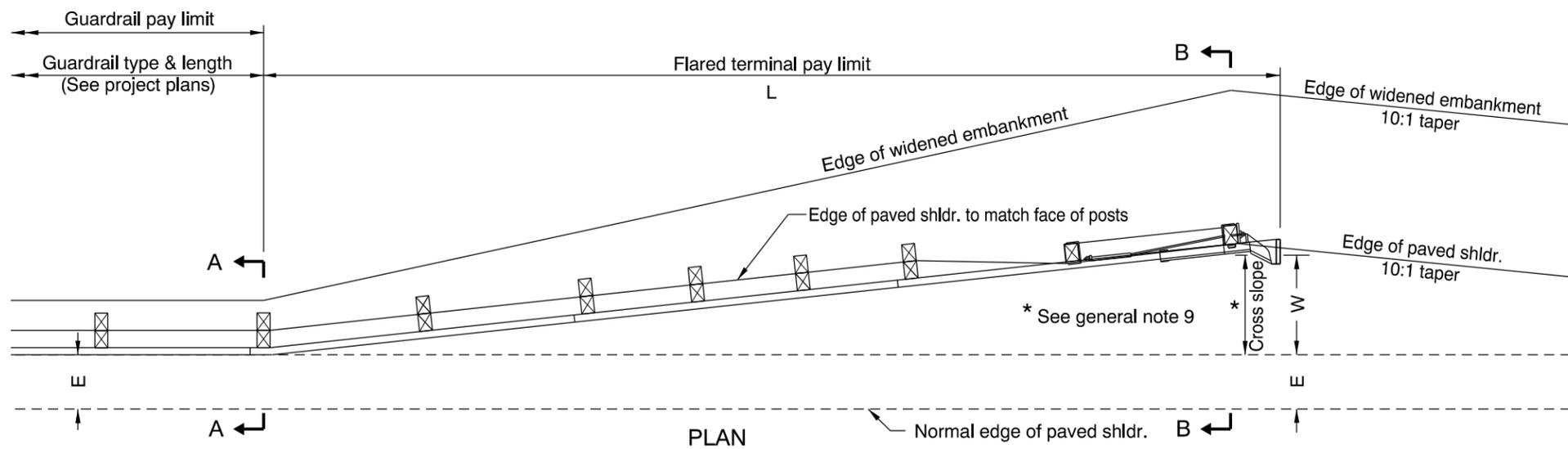
NOTES:  
 1. E=2', where shown on plans.  
 2. Drainage curb alignment same as face of guardrail. Modify alignment to match face of posts at terminal ends only, as shown.



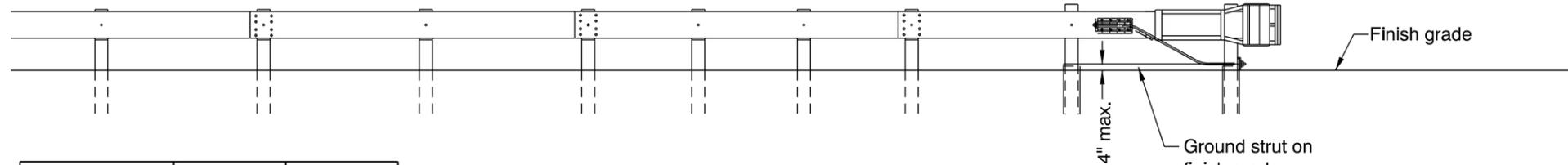
SECTION A-A



SECTION B-B



PLAN



ELEVATION

STRAIGHT FLARE OPTION

(Flare rate varies, see table)

TEST LEVEL	L (ft)	W (ft)
2 (≤ 45 mph)	25	1.67 to 2.67
3 (> 45 mph)	37.5	2.5 to 4.0

GENERAL NOTES FOR ALL DETAILS:

- For details not shown, see Std. Drgs. RD400, RD405, RD410, RD415 & RD435.
- On two way two lane highways, both ends of guardrail runs shall be provided with a terminal flared or non-flared. Paving of widened shldr. to the face of posts on both ends of guardrail runs is required.
- Non-flared terminal shall be installed with a min. 1 foot offset ensuring that the end piece is entirely off normal shldr.
- 1:4 slope or flatter preferable, 1:3 max.
- Provide terminal from ODOT's QPL. Install according to manufacturer's recommendations (post count varies). Provide shop drawings to Engineer.
- Install fixed object marker on head of every terminal with "W" 4 feet or less.
- "W" distance is measured to face of guardrail at end post, exclusive of end piece.
- See Std. Drg. RD701 for drainage curbs, where required.
- Cross slope to match adjacent roadway cross slope (preferred).  
If required, maximum shoulder slope 10% for guardrail widening.  
If required, maximum grade break at normal edge of shoulder 8%.
- See project plans for details not shown.

CALC. BOOK NO. N/A BASELINE REPORT DATE 12-JAN-2015

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

ENERGY-ABSORBING TERMINAL

2015

DATE	REVISION DESCRIPTION
01-2015	REVISED DETAILS & NOTES

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

RD420