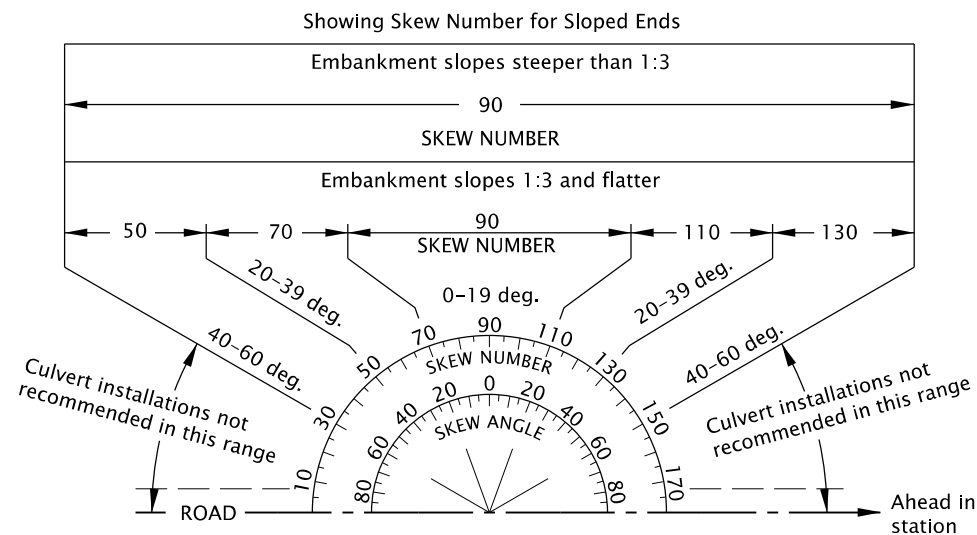
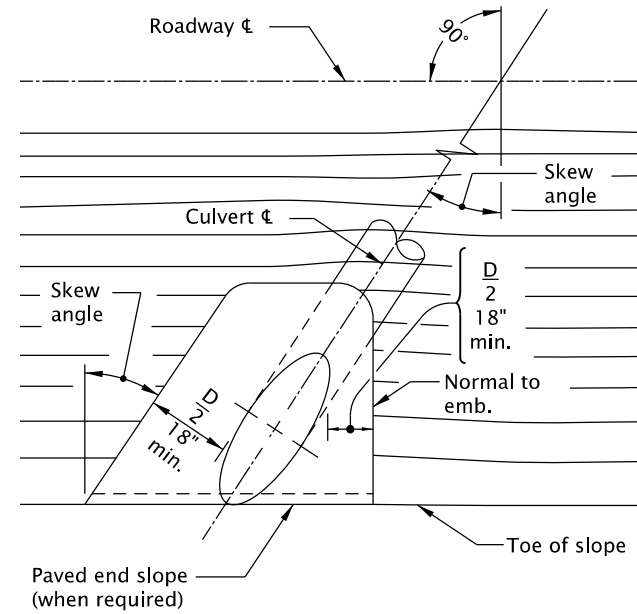


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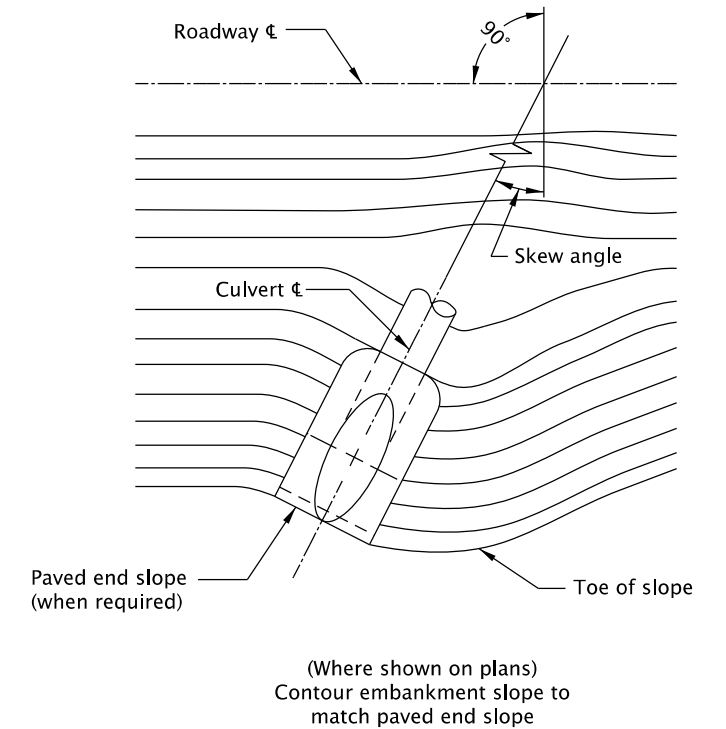
RD319.dgn



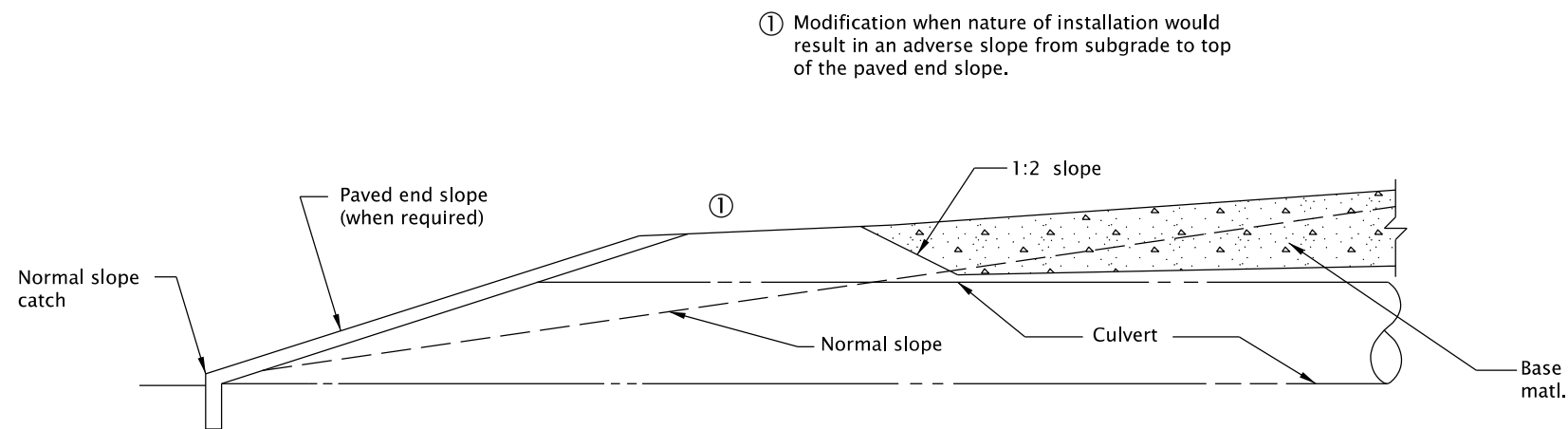
SKEW DIAGRAM



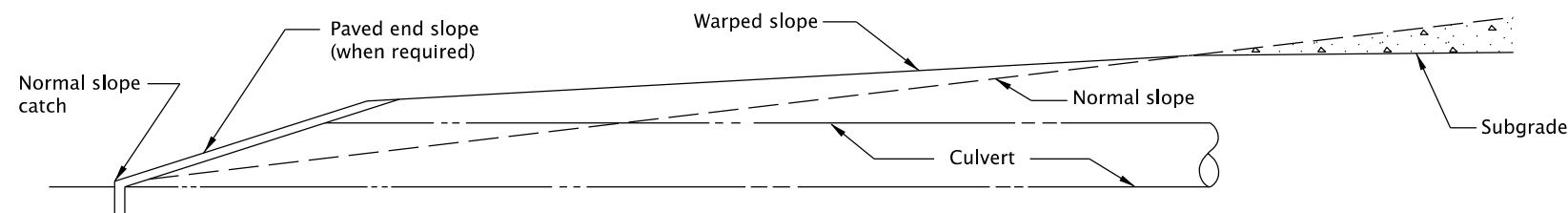
TYPICAL SKEW PLAN



ALTERNATE SKEW PLAN



INSERT



EMBANKMENT SLOPE WARPING DETAILS

(Warp 100' each side of culvert)

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. All embankment slopes to be warped where required to provide end projections as shown.
2. Open ends of pipes normally require a site specific design, and may require special treatment (Sloped ends, culvert embankment protection, paved end slopes, safety end sections, or other measures). See special details or Standard Drawings as called for on plans.
3. See Std. Dwg. RD317 for culvert embankment protection and riprap pads (When reqd.).

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 first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

MISCELLANEOUS
CULVERT DETAILS

2024

DATE	REVISION	DESCRIPTION
CALC. BOOK NO.	N/A	SDR DATE 15-JAN-2016

RD319

Effective Date: June 1, 2026 – November 30, 2026