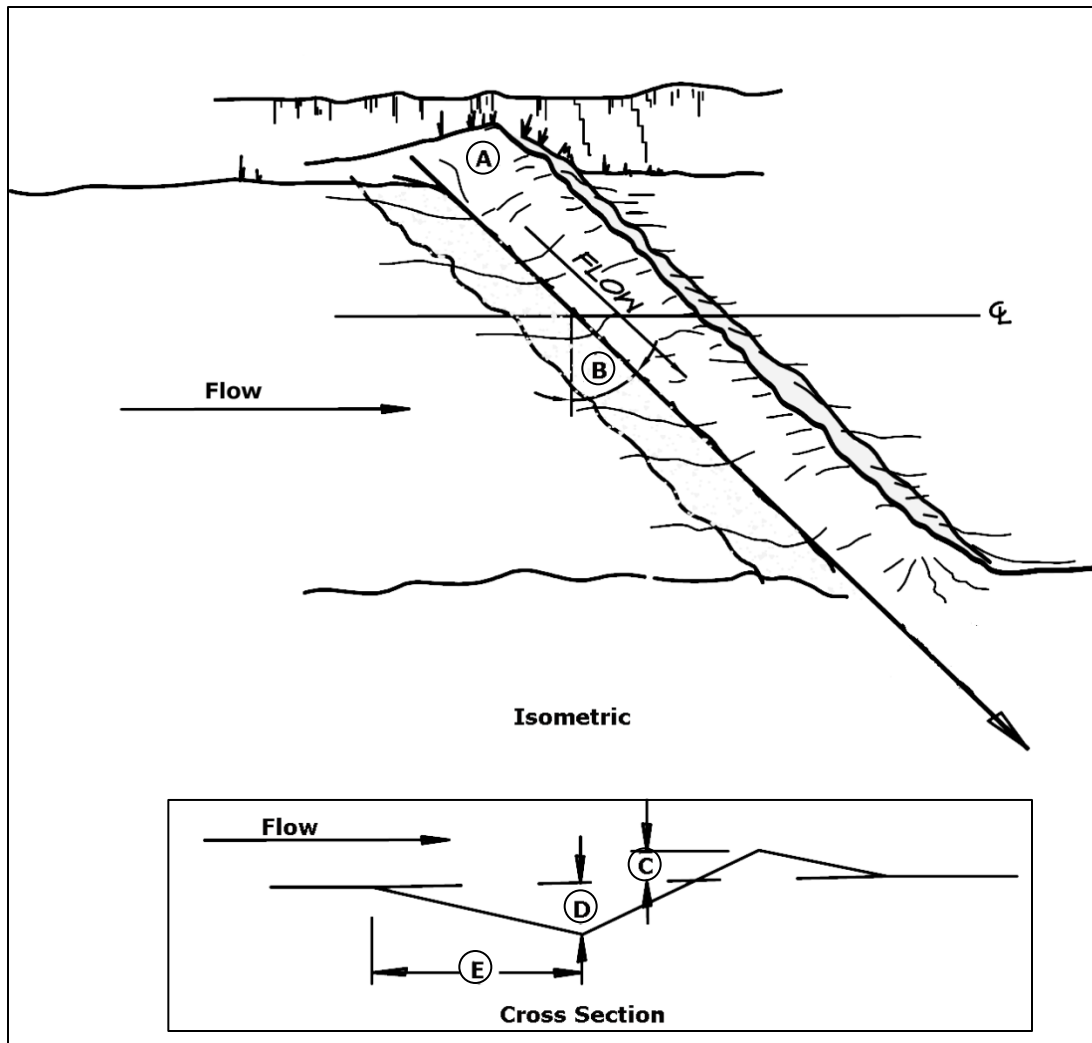


Typical Road Surface Drainage by Waterbars



Waterbar installation:

1. Waterbar construction for seasonal use roads. Specifications are average and may be adjusted to conditions.
2. (A) tie-in cut and berm to cutbank.
3. (B) angle waterbar 30⁰-40⁰ downgrade with road centerline.
4. (C) berm height should be 4"-6" above the roadbed.
5. (D) cut depth should be 4"-6" into roadbed.
6. (E) approach should be 3'-4' length.

Waterbar spacing: 1,000/slope gradient

Example: @20% slope waterbar spacing = 1,000/20=50 feet

Napa County Resource Conservation District

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