

SURFACE CROSS DRAIN INSPECTION FORM



Landowner _____ Date _____

Road Segment _____ Form No. _____

Service Level High Medium Low

General Observations on All Cross Drains Use for drain dip, open top pipe, open top wood, or open top log culvert and rubber water diverter and waterbar.

1. Cross Drain Marker

Is the surface crossdrain location permanently marked at the road edge? Yes No

3. Outlet

Is outlet armored? Yes No
 Is erosion evident at outlet? Yes No
 Is there a sediment filter located below outlet?
 Yes No
 Does the area below the outlet concentrate or disperse water? Concentrate Disperse

4. Skew

Stand at inlet, look across road perpendicular to road length and estimate degree of skew downslope.
 Skew Angle 0° 1-25° 26-40° 40°+

2. Rate the surface cross drain location

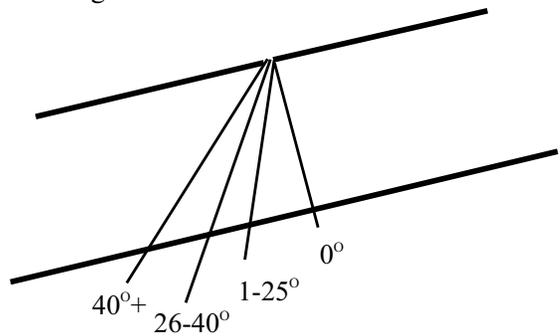
Good or Poor.

Good Locations:

- Low spot in road
- At grade change >2%
- Above a road segment with steep downhill grade
- Below a spring or seep which enters a ditch
- Above stream crossing
- At designed spacing interval
- Draining a ditch

Poor Locations:

- Drains directly into a stream
- Does not provide drainage
- Placement appears random
- Heavy traffic road
- Other _____

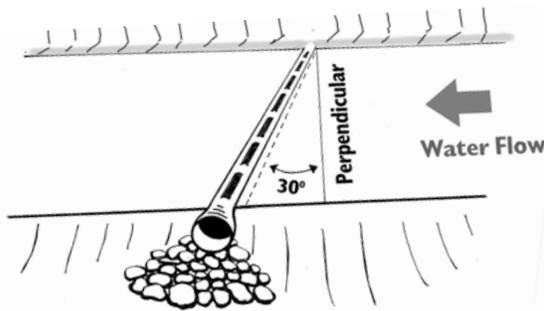
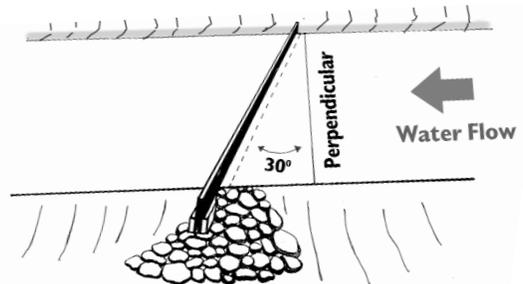


General Observations on Specific Cross Drain Structures

Rubber Water Diverter

Height above road surface.
 <3 in. > 3 in.

Describe any damage _____



Open Top Pipe Culvert

Is pipe below road surface. Yes No

Clear of any debris? Yes No

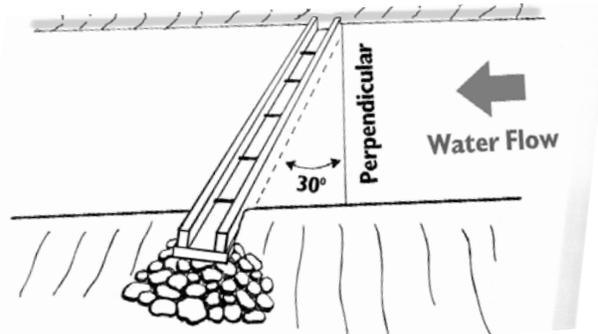
Describe any damage _____

Open Top Wood Culvert

Is opening below road surface? Yes No

Clear of any debris? Yes No

Describe any damage _____



Water Bar

Closed road or road with minimal traffic?

Yes No

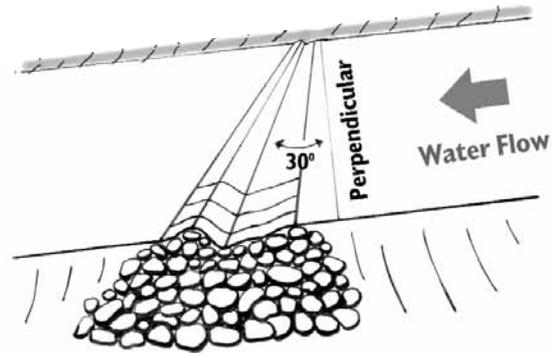
Do ruts cut through the waterbar? Yes No

Depth of waterbar below road grade?

<12 inches >12 inches

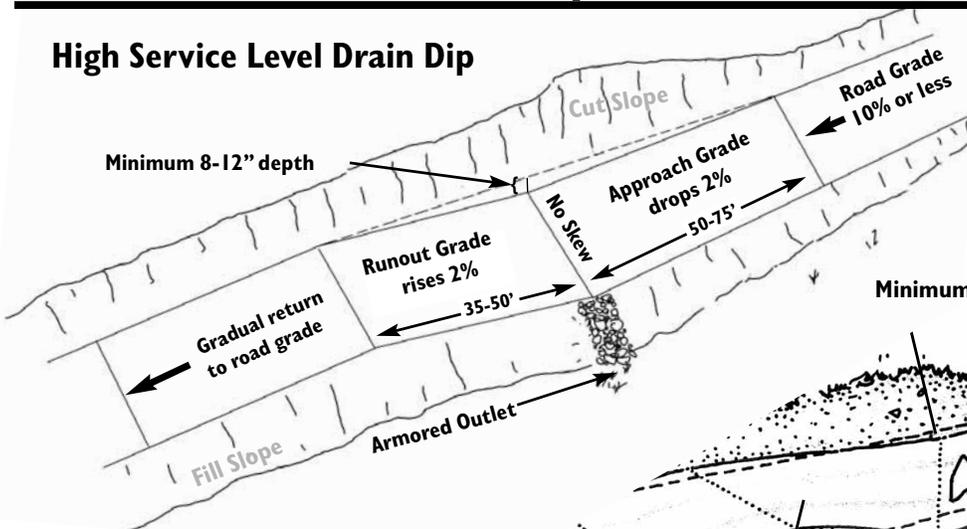
Height of waterbar above road grade?

<12 inches >12 inches

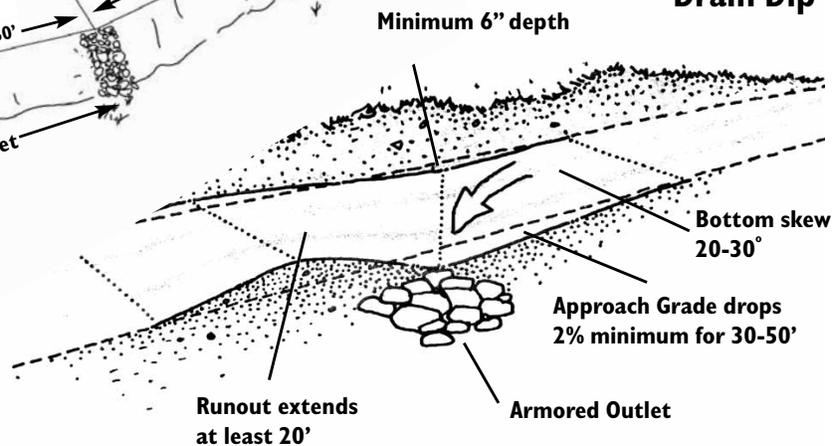


Observations on Drain Dips

High Service Level Drain Dip



Low Service Level Drain Dip



I. Location

Is dip located on a curve with

<100 radius? Yes No

Is road grade 10% or below?

Yes No

2. Drain Dip Specifications

Outslope <3% 3-5% >5%

Approach grade and distance.

Grade % _____ Distance (feet) _____

Runout grade and distance.

Slope % _____ Distance (feet) _____

Is the drain dip best described as: High Service Level

Low Service Level (Compare with diagram)

Is drain bottom armored? Yes No

If no, would armor help to:

Reduce rutting Stop erosion Reduce maintenance