

Knicks; a Water Diversion Device

With a gently rising ramp cresting and then falling into a valley or dip where the outslope is much greater than the slope of the trail. Then another gentle rise back to the slope of the Tread.

The exit area of the drain (K) should be at least twice as wide as the Tread. Finish with establishing an "edge" with a significantly greater outslope

- S = Slope of Trail Tread
- T = Width of Tread
- R = Rise above Existing Tread
- D = Depth of Dip
- P = Trail length of Drain Pan
- K = Slope of Drain

$$D = 2(T)$$
$$R < 2(D)$$
$$K > 1.5(S)$$

