

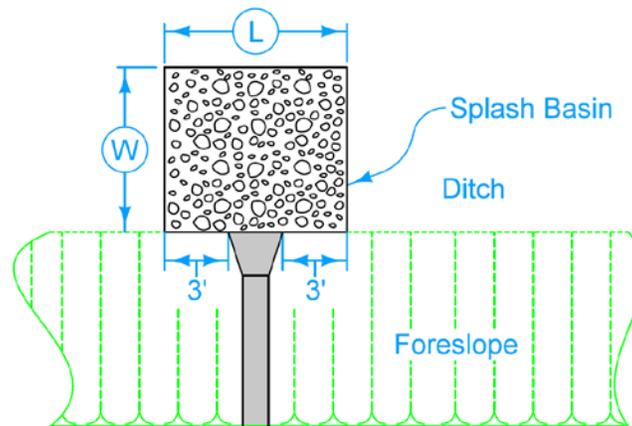
EC-301 Rock Erosion Control (REC)

(This section last updated 09-14-16)

Rock ditches (TYPE 2) are typically used when a high flow rate is expected, e.g. in areas of steep ditch grades. W is 6 feet wider than the ditch bottom. For a standard 10 foot wide ditch bottom, W is 16 feet.

Rock flumes (TYPE 3) are intended primarily for use on backslopes because higher flow or higher sediment rates are expected. They can also be used on foreslopes. However, if placing a rock flume as a bridge end drain, use [DR-402](#).

Splash basins (TYPE 4) are required at all bridge drains and at all cross road culvert outlets. Typically, designers size splash basins for pipe culvert outlets. Normally, L is the width of the apron at the outlet plus 6 feet (see the figure below from [EC-301](#)), and W is the same as L .



The Office of Bridges and Structures sizes splash basins at culvert outlets for box culverts.