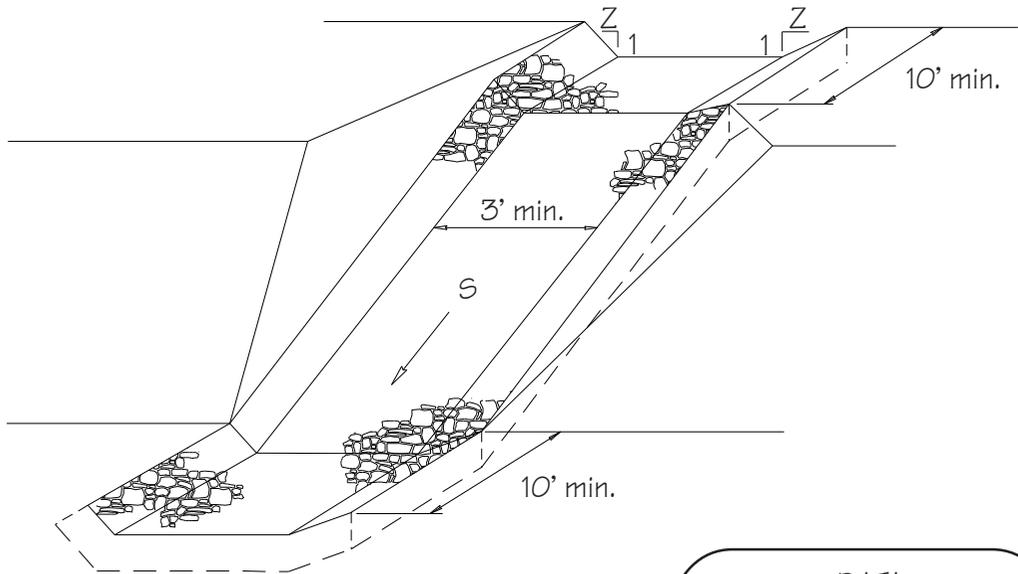


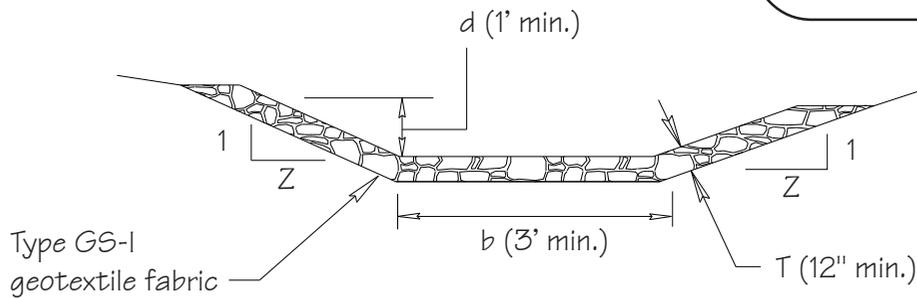
Riprap Chute



Perspective

DATA

- Design discharge (Q)
- Bottom width (b)
- Side slope (Z)
- Depth (d)
- Riprap size (d_{50})
- Riprap thickness (T)
- Slope (s)



Typical Section

Source:

Adapted from
MD Stds. & Specs. for ESC

Symbol:

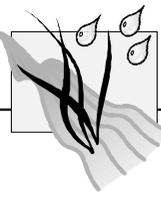


Detail No.

DE-ESC-3.3.9.1

Sheet 1 of 2

Effective FEB 2019



Standard Detail & Specifications

Riprap Chute

Construction Notes:

1. Riprap chutes shall have a trapezoidal cross section with side slopes of 2:1 or flatter. Minimum flow depth shall be 1' with a minimum bottom width of 3'.
2. Entrance and exit aprons shall be provided as transition areas. Aprons shall be a minimum of 10' in length.
3. The riprap layer thickness shall be $1.5 \times D_{max}$, with a minimum of 12".
4. All riprap shall be underlain with Type GS-I geotextile fabric.

Source:

Adapted from
MD Stds. & Specs. for ESC

Symbol:



Detail No.

DE-ESC-3.3.9.1

Sheet 2 of 2

Effective FEB 2019