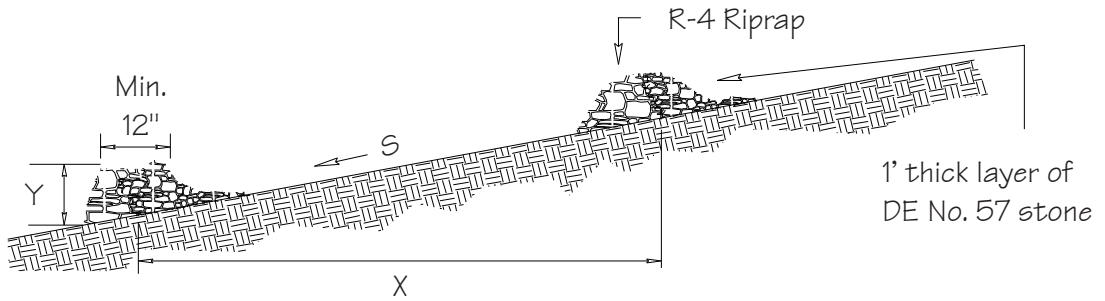
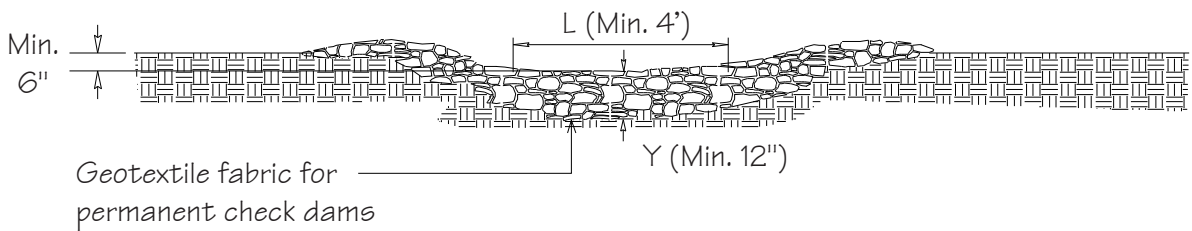


Stone Check Dam



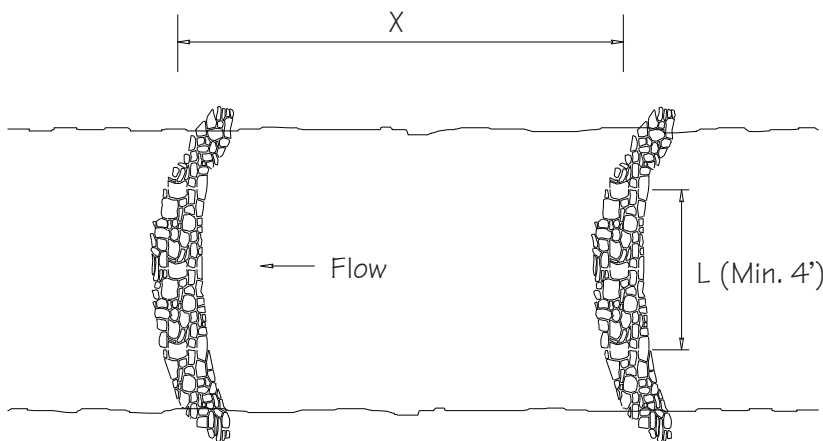
Profile



Section

DATA

- Slope (S)
- Spacing (X)
- Length of weir (L)
- Height of stone (Y)



NOTE: Angle ends upstream

Plan

Source:

Adapted from
MD Stds. & Specs. for ESC

Symbol:

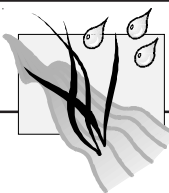


Detail No.

DE-ESC-3.3.6.1

Sheet 1 of 2

Effective FEB 2019



Standard Detail & Specifications

Stone Check Dam

Construction Notes:

1. Swales and channels shall be prepared in accordance with the construction specifications described in the **Standards and Specifications for Temporary Berm, Temporary Swale, Vegetated Channel, or Diversions.**
2. The check dam shall be constructed of 4" to 8" riprap. The riprap shall be placed so that it completely covers the width of the channel.
3. The top of the check dam shall be constructed so that the center is approximately 6" lower than the outer edges, forming a weir that the water can flow across. The minimum length of weir shall be 4'.
4. The maximum height of the check dam at the center of the weir must not exceed two (2) feet.
5. Maximum spacing between dams should be the distance in the channel where the toe of the upstream dam is at the same elevation as the top of the downstream dam. (See **Standard & Specifications for Check Dams** for design chart.)

Source:

Adapted from
MD Stds. & Specs. for ESC

Symbol:



Detail No.

DE-ESC-3.3.6.1

Sheet 2 of 2

Effective FEB 2019