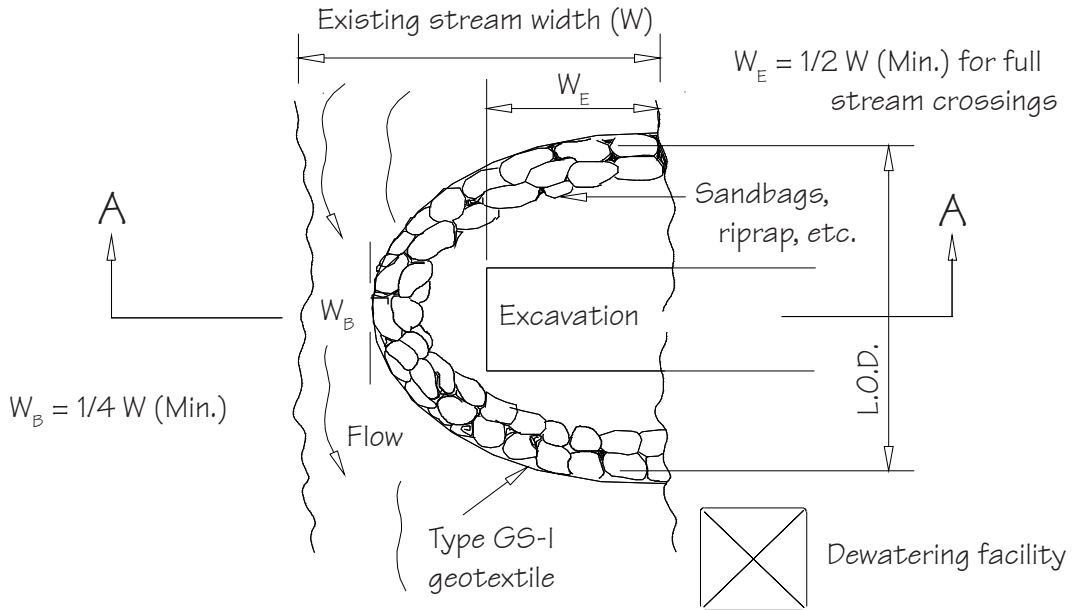
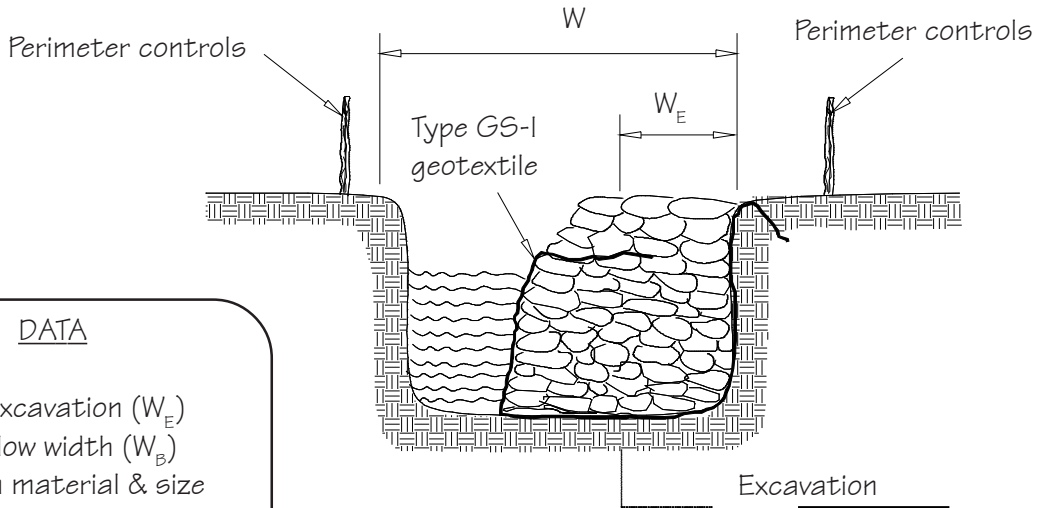


Cofferdam Stream Diversion



NOTE: For full stream crossings, separate cofferdams shall be constructed from each bank.

Plan



DATA

- Width of excavation (W_E)
- By-pass flow width (W_B)
- Cofferdam material & size
- Impermeable material
- Dewatering practice

Section A-A

Source:

Adapted from
VA ESC Handbook

Symbol:

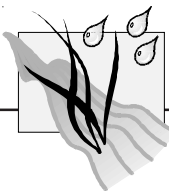


Detail No.

DE-ESC-3.5.2.2

Sheet 1 of 2

Effective FEB 2019



Standard Detail & Specifications

Cofferdam Stream Diversion

Construction Notes:

1. Construction shall be performed during low flow conditions.
2. Cofferdam shall not impede the flow of the stream in any way.
3. Controls for approach areas shall be provided in accordance with the approved plan.
4. Large rocks, woody vegetation, or other material in the streambed and banks which may preclude proper installation of the cofferdam materials and/or impede the proposed construction shall be removed.
5. Cofferdam shall be formed by placing riprap, sandbags, sheet metal or wood planks in a semi-circle around the proposed work area. Height of the cofferdam shall be adequate to keep water from overtopping the dam and flooding the work area.
6. Water in the work area shall be pumped to an approved dewatering practice.
7. Once adequately dewatered, in-stream construction may begin from the first bank and proceed to the centerline of the stream, as required.
8. If a full stream crossing is required, all disturbed areas within the first work area shall be stabilized in accordance with the approved plan prior to dismantling and reconstructing the cofferdam on the opposite bank.
9. Repeat the operation from the opposite bank.

Source:

Adapted from
VA ESC Handbook

Symbol:



Detail No.

DE-ESC-3.5.2.2
Sheet 2 of 2

Effective FEB 2019