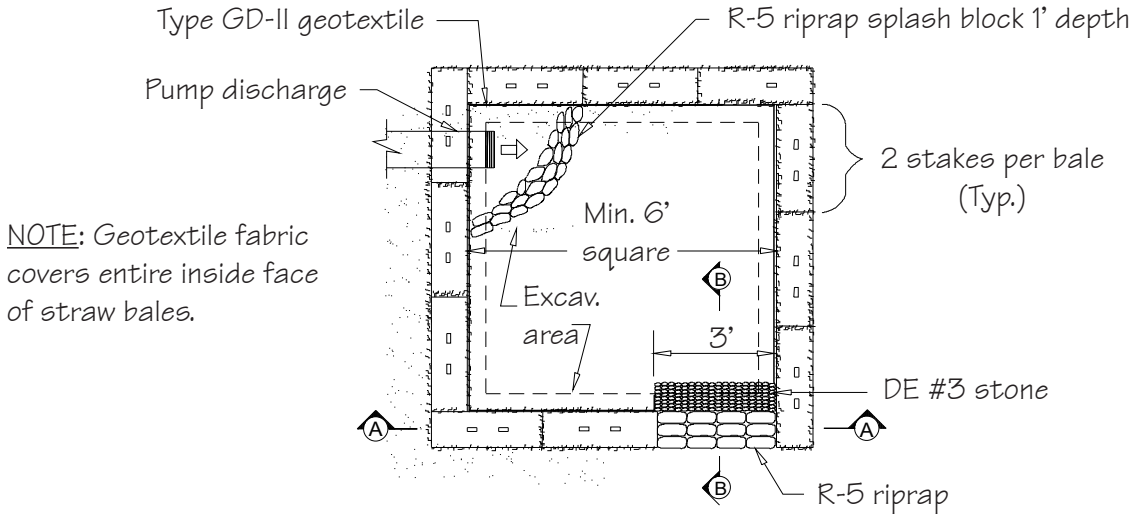
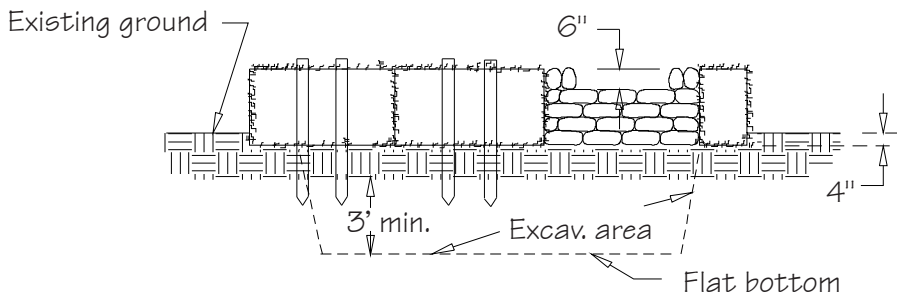


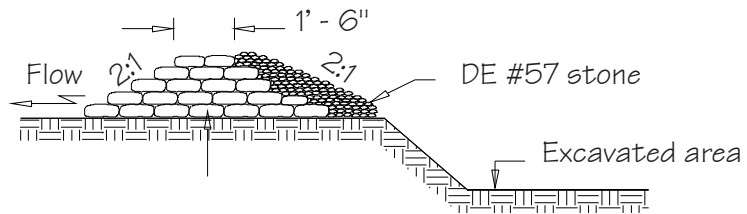
# Dewatering Basin - Type 1



Plan



Section A-A



Section B-B

Source:

Adapted from  
VA ESC Handbook

Symbol:

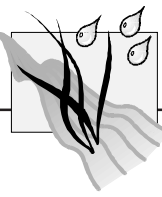


Detail No.

**DE-ESC-3.2.4.1**

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Effective FEB 2019



# Standard Detail & Specifications

## Dewatering Basin - Type 1

### Construction Notes:

1. Capacity of the basin shall be based on the following formula:

$$\text{Pump discharge (gpm)} \times 16 = \text{cubic feet of storage required}$$

2. Available volume shall be measured from the floor of the excavation to the crest of the stone weir.
3. The excavated area shall be a min. of 3' below the base of the straw bales.
4. Once the water level reaches the crest of the stone weir, the pump shall be shut off while the structure drains down to the elevation of the wet storage.
5. The wet storage area may be dewatered only after a min. of 6 hours of sediment settling time. This effluent shall be pumped across a well vegetated area or through a silt fence prior to entering a watercourse.
6. Once the wet storage area becomes filled to one-half of the excavated depth, accumulated sediment shall be removed and properly disposed of.
7. The straw bales and/or geotextile fabric shall be inspected on a regular basis and shall be repaired or replaced once sediment prevents the structure from functioning as designed.

Source:

Adapted from  
VA ESC Handbook

Symbol:



Detail No.

**DE-ESC-3.2.4.1**

Sheet 2 of 2

Effective FEB 2019