

Dewatering Structure



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One of the water quality Best Management Practices available for sediment control during CDOT highway construction is a temporary dewatering structure. When groundwater is encountered during construction, it can be pumped into this excavated area surrounded by perimeter control such as erosion bales. After a minimum detention time of six hours for sediment removal, water can be discharged to a well-stabilized, vegetated area.

The excavated basin should be lined with a filter fabric and the entire inside face of the erosion bales should be covered with an impermeable geotextile.

Sediment should be removed from the trap when deposition has reduced the wet storage volume by half.

Guidance: CDOT Erosion Control and Stormwater Quality Guide, Chapter 5



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