



Sediment Basin



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One of the water quality Best Management Practices available for sediment control during CDOT highway construction is the sediment basin. This BMP consists of a temporary water storage basin featuring a controlled outlet and ponding area formed by excavating below grade and/or by constructing an earthen embankment with a hard-lined spillway. It is used to detain sediment-laden runoff from disturbed areas to allow sediment to settle out.

This BMP is appropriate for a contributing drainage area of five acres or more. 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



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