

Removal and Cleanup of Temporary BMPs

Temporary storm water Best Management Practices (BMPs) are just that - temporary. After an installed BMP, such as a silt fence or sandbag barrier, is no longer needed on the project, it must be removed by the contractor. This bulletin reviews Resident Engineer responsibilities for ensuring that temporary BMPs are properly removed from the site to meet Caltrans water pollution control requirements.

When is Removal Required?

During construction, the contractor is required to remove temporary BMPs as specified in the Maintenance and Inspection working details in the *Construction Site BMPs Manual*. Requirements for some BMPs that are commonly used on construction sites are summarized in this bulletin.

In some cases, leaving sediment controls in place after the construction phase is completed can benefit landscaping establishment. If the RE takes this approach, the contractor should be informed in writing to maintain the measures in place until the RE has determined that adequate cover has been established. The contractor is then responsible for removing and disposing of temporary measures as required. The District Construction Storm Water Coordinator can advise the RE as to which measures may be kept in place for this purpose.

After the project is completed, Section 7-104B(2) of the *Construction Manual* (July 2001) states that before accepting the contract, the RE must "require the contractor to remove temporary BMPs such as silt fences or other measures that are not a part or permanent erosion control or that the district maintenance unit has not requested to be left in place."

Who Pays for Removal?

The price paid to the contractor for water pollution control work includes the cost to remove the measure when no longer needed. The contractor is fully responsible for removing temporary BMPs as required, including those for which Caltrans shares maintenance costs with the contractor. RE oversight ensures that the contractor does not attempt to reduce costs by leaving temporary BMPs in place.

SC-1 Silt Fence

The contractor must remove and dispose of silt fence when no longer needed, or as required by the RE. Cleanup includes:

- Removing and disposing of accumulated sediment.
- Filling and compacting post holes and anchorage trenches.
- Grading the fence alignment to blend with the adjacent ground.

SC-8 Sandbag Barrier ***SC-9 Straw Bale Barrier***

Sandbag barriers and straw bale barriers (including stakes) are to be removed when no longer needed. The contractor is also required to remove and dispose of accumulated sediment, and to clean, re-grade, and stabilize the area.

SC-10 Storm Drain Inlet Protection

All drain inlet protection devices are to be removed within 30 days after the site has been stabilized, or when inlet protection is no longer needed. The area around the inlet is to be cleaned and re-graded. In addition, the inside of the storm drain inlet must be cleared and be free of sediment and debris at the time of final inspection.

WM-8 Concrete Waste Management



Silt fence must be removed and properly disposed of before acceptance of the contract.



Silt fence and fiber rolls must be removed before acceptance of the contract unless other arrangements have been made with the District Maintenance unit

A temporary concrete washout facility is to be removed when the RE determines it is no longer needed. The material used to construct the washout becomes the property of the contractor, and is to be removed from the site and disposed of outside the highway right of way. In addition:

- Hardened concrete is to be removed and disposed of per Standard Specifications Section 15-3.02, "Removing Concrete - Removal Methods."
- Holes, depressions or other ground disturbance caused by the removal of the temporary concrete washout facilities are to be backfilled per Standard Specifications Section 15.1-02, "Preservation of Property."

SS-7 Geotextiles, Plastic Covers & Erosion Control Blankets/Mats

Blankets and mats must be removed and disposed of prior to application of permanent soil stabilization measures. Removed soil stabilization materials become the property of the contractor, and are to be disposed of outside the highway right of way.

SS-9 Earth Dikes/Drainage Swales & Ditches

SS-10 Outlet Protection/Velocity Dissipation Devices

Temporary conveyances and outlet protection devices are to be removed completely as soon as the surrounding drainage area has been stabilized, or upon completion of construction.



STORM WATER HOME