

Brush Barriers

Use of residue materials from clearing and grubbing to intercept sediment from disturbed areas and prevent it from leaving the perimeters of the site.



Bad

Used in a Water of the State.



Good

Properly located and installed on-site with other sediment barriers.

Temporary Rock Check Dams

Reduce the velocity of storm water in ditches and on slopes.



Bad

Incorrect Installation
Poor Maintenance



Good

Better Installation
Inspected Regularly
Maintained Consistently

Temporary Check Dams - Wattles

Reduce the velocity of storm water in ditches and on slopes.



Bad

Improper Installation



Good

Placed and Staked Properly

Center of check dam should be at least six inches below the ends.

Temporary Construction Exit

Reduces the amount of sediments "tracked" off of the site onto public roads by motor vehicles and/or storm water runoff.



Bad
Tracking of Soil
onto Roadway



Good
Gravel Over Geotextile

Construction Road Stabilization

Use of gravel and/or geogrid to reduce erosion of temporary roadbeds (haul roads) and parking areas prior to final stabilization of the site.



Bad

Weak and Variable Soils
No Stabilization



Good

Gravel and Geogrid Installed
Gentle, Stabilized Slopes
Follow Contours, Good Drainage

Temporary Stream Diversion



Bad
Unlined Channel Causes
Erosion and Sedimentation



Good
Plastic-Lined Channel
Maintains Water Quality

Housekeeping



Bad



Good

Inlet Protection

Prevents sediments from entering storm water conveyance systems until a disturbed area is permanently stabilized.



Bad

Don't use straw bales.



Good

Use wattles instead.

Remove accumulated sediments as necessary.

Inlet Protection

Large Residential Development



Bad

Failure of Sandbags
Sediment in Inlet



Good

Lets Water In
Keeps Sediment Out

Inlet Protection

Urban Construction Site



Bad



Good

Inlet Protection

Manufactured Inlet Protection Device (Silt Saver)



Bad

Undercutting of Barrier Materials



Good

Installed Properly

Sediment Basin

Detains sediment-laden runoff long enough for the majority of the sediments to settle out.



Bad
Large Single Basin
Slopes Exposed



Good
Staged Basin
Vegetated Slope

Silt Fence Barrier

Filter fabric stretched across and attached to supporting posts and then entrenched so as to trap or filter small amounts of sediments.



DO NOT install in concentrated flows!

Good for removing coarse materials;
not good for controlling fine clays.

Remove sediments when level reaches
one-third to one-half of fence height.

Must be installed properly and
inspected/maintained consistently.

Temporary Stream Diversion



Bad
Unlined Channel Causes
Erosion and Sedimentation



Good
Plastic-Lined Channel
Maintains Water Quality

Floating Turbidity Barrier



Bad

Installed Across a Flowing Stream



Good

Anchored Parallel to Shoreline

Weekly inspection required.