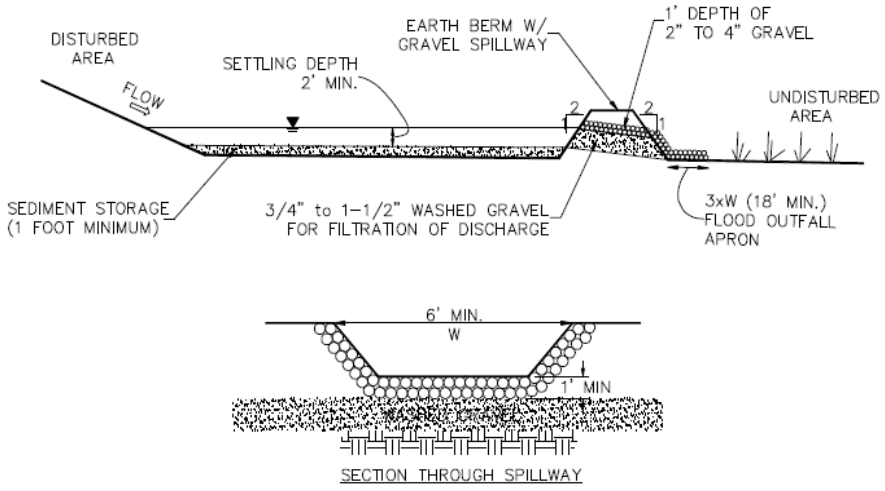
BMP: Sediment Trap ST



OBJECTIVES

- ☐ Housekeeping Practices
- ☐ Contain Waste
- ☐ Minimize Disturbed Areas
- ☐ Stabilize Disturbed Areas
- ☐ Protect Slopes/Channels
- ☐ Control Site Perimeter
- ☒ Control Internal Erosion

DESCRIPTION:

A sediment trap is a small excavated or bermed area where runoff from small drainage areas is detained and sediment can settle.

APPLICATION:

- ► Temporary control for runoff from disturbed areas of less than 3 acres.
- ► Temporary control for discharge from diversion dike, surface benching, or other temporary drainage measures.

INSTALLATION/APPLICATION CRITERIA:

- ► Design basin for site specific location.
- ► Excavate basin or construct compacted berm containment.
- ► Construct outfall spillway with apron.
- ► Provide downstream silt fence if necessary.

LIMITATIONS:

- ► Should be sized based on anticipated runoff, sediment loading and drainage area size.
- ► May require silt fence at outlet for entrapment of very fine silts and clays.

MAINTENANCE:

- ► Inspect after each rainfall event and at a minimum of monthly.
- ► Repair any damage to berm, spillway or sidewalls.
- ► Remove accumulated sediment as it reaches 2/3 height of available storage.
- ► Check outlet for sedimentation/erosion of downgradient area and remediate as necessary. Install silt fence if sedimentation apparent.

WEBER COUNTY

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TARGETED POLLUTANTS

- ■ Sediment
- ☐ Nutrients
- ☒ Toxic Materials
- ☐ Oil & Grease
- ☐ Floatable Materials
- ☐ Other Waste

- ■ High Impact
- ☒ Medium Impact
- ☐ Low or Unknown Impact

IMPLEMENTATION REQUIREMENTS

- ☒ Capital Costs
- ☒ O&M Costs
- ☐ Maintenance
- ☐ Training

- ■ High
- ☒ Medium
- ☐ Low