

SEDIMENT CONTROL

Site Plan Review

City of Saint Paul

Sediment control measures are used to protect water quality by keeping dirt and sediment from washing off construction sites and into streets, sewers, wetlands etc.

Sediment control measures must be shown on the site plan, including the location and details of how they will be constructed/installed.

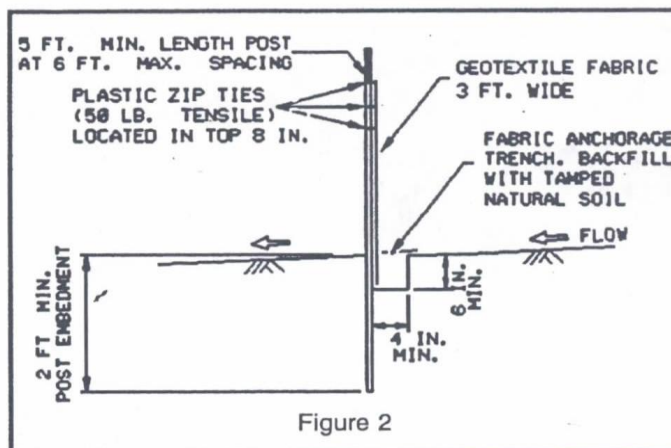
The main measures include:

- Silt fences
- Inlet protection for catch basins and sewers
- Rock construction entrances
- Street sweeping

These measures need to be installed before grading, clearing and construction begins and must be maintained in good condition until the construction site is stabilized. For large projects, sediment control measure may have to be staged to provide appropriate protection as the project progresses or site conditions change.

SILT FENCE

Silt fence is the most common sediment control measure. Silt fence must be properly installed and maintained to be effective. If it is not, dirt and sediment can get underneath the silt fence or knock it over.



Detail for installing silt fence.



Properly installed silt fence



Silt fence that was not maintained

INLET PROTECTION

Catch basins must be protected from dirt and sediment by installing sediment control measures. These must be used on all catch basins that could get sediment from construction – ones on the site and also ones in nearby streets. Two types of inlet protection systems are shown here.

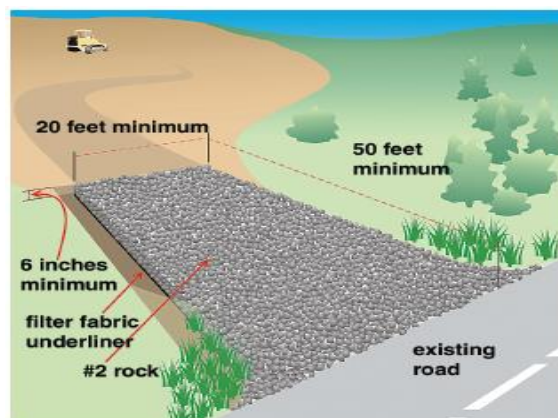


ROCK CONSTRUCTION ENTRANCE

A temporary construction entrance is a stone pad located where vehicles leave a construction site. The purpose of the stone pad is to provide an area where mud can be removed from tires before a vehicle leaves the site. The stone pad consists of clean rock designed in such a way that vehicle tires will sink in slightly. This helps remove mud from the tires as the vehicle passes over the pad and provides an area where vehicle tires can be washed.

Installation of a rock construction entrance:

- The rock used for gravel pads should be a minimum 1- to 3-inch size, The aggregate should be placed in a layer at least 6 inches thick. Generally, the larger the aggregate, the better.
- The rock entrance should be at least 50 ft long.
- Geotextile fabric may be needed under the rock to prevent migration of mud from the underlying soil into the stone.
- If tires are cleaned with water, the wash water should be directed to a suitable settling area.



STREET SWEEPING

The contractor must monitor conditions. If sediment reaches adjacent streets or alleys they must be swept until they are clean.

Please call Wes Saunders-Pearce at 651-266-9112 if you have questions about sediment control.