

## STORMWATER RUNOFF CONTROL (Code 570)

### 1. SCOPE

The work consists of installing measures or performing work to control erosion and minimize the production of sediment and other pollutants to water and air from construction activities.

### 2. MATERIAL SPECIFICATION

All material furnished shall meet the requirements of the material specifications listed in Section 7 of this specification.

### 3. EROSION AND SEDIMENT CONTROL MEASURES AND WORKS

The measures and works shall include, but are not limited to, the following:

*Staging of earthwork activities*—The excavation and moving of soil materials shall be scheduled to minimize the size of areas disturbed and unprotected from erosion for the shortest reasonable time.

*Seeding*—Seeding to protect disturbed areas shall occur as soon as reasonably possible following completion of that earthwork activity.

*Mulching*—Mulching to provide temporary protection of the soil surface from erosion.

*Diversions*—Diversions to divert water from work areas and to collect water from work areas for treatment and safe disposition. They are temporary and shall be removed and the area restored to its near original condition when the diversions are no longer required or when permanent measures are installed.

*Stream crossings*—Culverts or bridges for equipment crossing are temporary and shall be removed when they are no longer

required or when permanent measures are installed. The area should be restored to its near original condition.

*Sediment basins*—Sediment basins collect, settle, and prevent sediment from impacting properties and streams below the construction site(s). Sediment basins are temporary and shall be removed and the area restored to its original condition when they are no longer required or when permanent measures are installed.

*Sediment filters*—Straw bale dams, fabric barriers, silt fences, coconut rolls, straw wattles, and other geosynthetic products are used to filter sediment. Sediment filters shall be properly anchored to prevent erosion under or around them. Some of these filters are temporary and shall be removed and the area restored to its original condition when they are no longer required or when permanent measures are installed.

*Waterways*—Waterways for the safe disposal of runoff from fields, diversions, and other structures or measures. These works are temporary and shall be removed and the area restored to its original condition when they are no longer required or when permanent measures are installed.

*Other*—Additional protection measures as specified in Section 7 of this specification or required by Federal, State, or local government.

### 4. CHEMICAL POLLUTION

The contractor shall provide watertight tanks or barrels or construct a sump sealed with plastic sheets to dispose of chemical pollutants, such as drained lubricating or transmission fluids, grease, soaps, concrete mixer wash water, or asphalt, produced as a

by-product of the construction activities. At the completion of the construction work, sumps and contents shall be removed and the area restored to its original condition as specified in Section 7 of this specification. Sump removal shall be conducted without causing pollution.

Sanitary facilities, such as chemical toilets, or septic tanks shall not be located next to live streams, wells, or springs. They shall be located at a distance sufficient to prevent contamination of any water source. At the completion of construction activities, facilities shall be disposed of without causing pollution as specified in Section 7 of this specification.

## **5. AIR POLLUTION**

The burning of brush or slash and the disposal of other materials shall adhere to state and local regulations.

Fire prevention measures shall be taken to prevent the start or spreading of wildfires that may result from project activities. Firebreaks or guards shall be constructed and maintained at locations shown on the drawings.

All public access or haul roads used by the contractor during construction of the project shall be sprinkled or otherwise treated to fully suppress dust. All dust control methods shall ensure safe construction operations at all times. If chemical dust suppressants are applied, the material shall be a commercially available product specifically designed for dust suppression and the application shall follow manufacturer's requirements and recommendations. A copy of the product data sheet and manufacturer's recommended application procedures shall be provided to the engineer five (5) working days before the first application.

## **6. MAINTENANCE, REMOVAL, AND RESTORATION**

All pollution control measures and temporary works shall be adequately maintained in a functional condition for the duration of the construction period. All temporary measures shall be removed and the site restored to near original condition.

## **7. CONSTRUCTION DETAILS**