

Use posts of wood, steel, or synthetic material with a minimum length of 4 feet (1.1 m), and of sufficient strength to resist damage during installation and to support applied loads. Space posts no more than 5 feet (1.5 m) apart, and embed them into the ground at least 1 foot (300 mm). Securely fasten the geotextile to the posts in a manner that will withstand pressure during storm events.

Maintain the integrity of silt fences as long as they are necessary to contain sediment runoff, inspecting all temporary silt fences immediately after each rainfall and at least daily during prolonged rainfall. Correct any deficiencies immediately. In addition, make a daily review of the location of temporary silt fences in areas where construction activities have changed the natural contour and drainage runoff, to ensure that they are properly located for effectiveness.

When the accumulated silt reaches a depth of 6 inches (150 mm), remove the sediment and deposit it at approved sites in a manner that will not contribute to additional siltation. Removal of silt when specified by the Engineer shall be measured and paid for in accordance with Section 226. The fences shall remain in place until the Engineer approves removal. After removal of the fences, grade and dress the effected area to the satisfaction of the Engineer.

223.05. METHOD OF MEASUREMENT.

Measure *temporary silt fence* by the linear foot (meter) in place as directed by the Engineer.

223.06. BASIS OF PAYMENT.

Accepted fence, measured as provided above, will be paid for at the contract unit price bid for the following:

TEMPORARY SILT FENCE LINEAR FOOT (METER)

Such payment shall be full compensation for furnishing all materials, labor, equipment, and incidentals for installation, maintenance, and removal of silt fence along with the dressing of disturbed areas.

SECTION 224 TEMPORARY SEDIMENT CONTROL FILTERS

224.01. DESCRIPTION.

This work shall consist of the construction, maintenance, and removal of temporary sediment filters. Sediment filters shall be constructed to trap silt and debris prior to its entry into any drainage inlet or other similar structure which empties into a waterway or its subsidiary.

224.02. MATERIALS.

The bales of straw and stakes shall conform to the requirements of Section 222. Materials for type II sediment filter may be any type of nonerodible material available, such as loose rock, broken concrete, or other salvageable materials.

224.04. CONSTRUCTION METHODS.

Construct sediment filters in accordance with standard designs as soon as the inlets are completed sufficiently to receive runoff water; place these at locations shown on the Plans or determined by the Engineer.

Place bales for types 1-A and 1-B—staked tightly together—in such a manner as to cause the waterflow to be slowed and go over the bales, prior to entering the inlet.

Place nonerodible filter material shown for type II around the inlet—between the inlet and the flow of water. Place this material in such a manner that the water will be slowed and then flow over and through the material prior to entering the inlet.

Keep the filters (bales or other materials) in good condition by repairing any damage or break in the filters immediately. Removal of silt, when specified by the Engineer, shall be measured and paid for in accordance with Section 226.

Sediment filters may be removed as determined by the Engineer.

224.05. METHOD OF MEASUREMENT.

Temporary sediment filters will be measured by the number of units in place.

224.06. BASIS OF PAYMENT.

Accepted sediment filters, measured as provided above, will be paid for at the contract unit price bid for as follows:

TEMPORARY SEDIMENT FILTER..... ..EACH

Such payment shall be full compensation for furnishing all materials, labor, equipment, and incidentals to complete the work as specified.

**SECTION 225
TEMPORARY SEDIMENT CONTROL BASINS**

225.01. DESCRIPTION.

This work shall consist of the construction, maintenance, and removal of temporary sediment basins at locations shown on the Plans or determined by the Engineer. The approximate size, shape, and type shown on the Plans may vary depending on the soil type, the drainage area, and available right-of-way at the exact construction locations selected by the Engineer.

225.02. MATERIALS.

For both the inlet and outlet flows of the sediment basins, use (a) loose rock of sufficient size to withstand anticipated water velocity displacement or (b) other nonerodible materials approved by the Engineer. When type I sediment basins are specified, the outflow pipe shall be at least a 300 millimeter pipe installed in a manner approved by the Engineer.

225.04. CONSTRUCTION METHODS.

Shape inlets to confine the water to the defined channel as it enters the basin. Construct outlets to slow the velocity of water so sediment will be retained in the sediment basin. Use excavated material on the sediment basin dikes, or stockpile it, as directed by the Engineer.