

**SECTION 227
TEMPORARY SILT DIKE**

227.01. DESCRIPTION.

This work shall consist of furnishing, installation, maintenance and removal of a geotextile and urethane foam barrier designed to remove suspended soil particles from water passing through the barrier. It shall be placed as soon as practical to prevent siltation off right-of-way. The locations shown on the Plans are approximate and may be changed by the Engineer.

227.02. MATERIALS.

Materials shall meet the requirements specified in Subsection 735.08. of the Section 700 MATERIALS.

Temporary Silt Dike 735.08

227.04. CONSTRUCTION.

All dikes shall be placed on the contour and in a row with ends tightly abutting the adjacent dike. Filter material shall lap over ends 6 inches (150mm) to cover dike to dike junctions; each junction shall be secured with wire staples. The staples shall be No. 11 gauge wire and be at least 6-8 inches (150-200 mm) in length.

The approach apron shall be followed by the sewn seam and front side of the dike section. The exiting apron will lie underneath the dike section and extend out beyond the discharge side.

When dikes are installed across surface drainage ditches, the highest point of the dike in the center of the ditch must be lower than the lowest point of the dike at the end. This will direct the water over the center of the dike and not around the end.

When installing as diversion dikes, silt dikes shall be placed along the contour or a 1-2 percent gradient to a planned discharge point.

Inspect all dikes after each rainfall event and/or each seven day period. Any deficiencies or damage shall be repaired at no cost to the Department. Accumulated silt or debris shall be removed and relocated as directed by the Engineer. If the dikes are damaged or inadvertently moved during the silt removal process, immediately reinstall or replace with functional material.

227.05. METHOD OF MEASUREMENT.

Temporary silt dike shall be measured by the linear foot (meter) in place, as directed by the Engineer.

227.06. BASIS OF PAYMENT.

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

TEMPORARY SILT DIKE LINEAR FOOT (METER)

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