

## SECTION 266 SANDBAG DIKES/SANDBAG DIVERSIONS

**266.01 Description.** This work consists of constructing, maintaining, and ultimately removing sandbag dikes and sandbag diversions for the purpose of erosion control when construction activities such as bank stabilization or bridge construction take place within a stream channel. Sandbag dikes and sandbag diversions shall be constructed as shown on Standard Construction Details, Sandbag Diversion and Sandbag Dike, at the locations shown on the Plans, and as directed by the Engineer.

### MATERIALS.

**266.02 Sand.** Sand shall conform to the requirements of [Section 804](#).

**266.03 Sheeting.** Sheeting shall consist of polyethylene, or other material approved by the Department's Materials and Research Section, 6 mils (150  $\mu$ m) thick, impervious, and resistant to puncture and tearing.

**266.04 Pipe.** Pipe shall be flexible with watertight bands and of the size and material indicated on the Plans.

**266.05 Seed.** Seed shall conform to the requirements of [Section 734](#).

**266.06 Mulch.** Mulch shall conform to the requirements of [Section 735](#).

**266.07 Prefabricated Sandbags.** Sandbags shall be of jute, woven polyester, or polypropylene mesh resistant to ultra-violet radiation, and of sufficient strength to contain the sand without failure or leakage. The size of the sack shall be approximately 16 by 25" (400 by 625 mm) measured inside the seam when the sack is laid flat and each sack will be filled with 1 ft<sup>3</sup> (0.03 m<sup>3</sup>) of unwashed sand.

### CONSTRUCTION METHODS.

**266.08 Construction of Sandbag Dike.** The Contractor shall construct the sandbag dike as shown on Standard Construction Detail, Sandbag Dike. If excavation is required by the Plans, all excavated materials shall be disposed of in an approved disposal area outside of the 100 year floodplain. The Contractor shall begin placing the sandbags at the upstream location and continue downstream. When it is necessary to overlap the sheeting, the upstream portion shall cover the downstream portion, and the overlap shall be a minimum of 24" (600 mm).

**266.09 Construction of Sandbag Diversion.** The Contractor shall construct the sandbag diversion as shown on Standard Construction Detail, Sandbag Diversion. Placement of the sandbags shall begin at the upstream location and continue downstream. When it is necessary to overlap the sheeting, the upstream portion shall cover the downstream portion, and the overlap shall be a minimum of 24" (600 mm).

**266.10 Maintenance of Sandbag Dike and Sandbag Diversion.** The Contractor shall maintain the original dimensions of the accepted sandbag dikes and sandbag diversions.

**266.11 Removal of Sandbag Dike and Sandbag Diversion.** The sandbag dikes and sandbag diversions shall remain in place until all disturbed areas are stabilized and the Engineer approves their removal. All sandbags and all materials incidental to the construction of the sandbag dike or sandbag diversion shall be removed and the area restored to the original or plan contours and stabilized with seed and mulch.

**266.12 Method of Measurement.** The quantity of sandbag dikes will be measured as the actual number of cubic yards (cubic meters) of sandbags placed and accepted. The quantity of sandbag diversions will be

measured as the actual number of cubic yards (cubic meters) of sandbags placed and accepted. All measurements will be based on one sandbag being 1 ft<sup>3</sup>; (0.03 m<sup>3</sup>).

The quantity of pipe will be measured as the actual number of linear feet (linear meters) of pipe placed and accepted.

**266.13 Basis of Payment.** The quantity of sandbag dikes will be paid for at the Contract unit price per cubic yard (cubic meter). The quantity of sandbag diversions will be paid for at the Contract unit price per cubic yard (cubic meter). Price and payment will constitute full compensation for furnishing and placing all materials, excluding the pipe; for constructing the sandbags; for maintaining the sandbag dikes and sandbag diversions; for removing and disposing of the sandbag dikes and sandbag diversions and all incidental materials; for restoring the area; for seeding and mulching; and for all labor, tools, equipment, and incidentals required to complete the work.

The quantity of pipe will be paid for according to the appropriate Section for the pipe installed.

[top](#)