

SECTION 2.19
SEDIMENTATION CONTROL SYSTEM

2.19.01--Description: This work shall consist of furnishing, placing, maintaining and removing sedimentation control systems as shown on the plans or as directed by the Engineer. Maintaining shall include the clean-out of accumulated sediment.

2.19.02--Materials: Hay bales shall conform to Article 2.18.02. Geotextile shall conform to Section 7.55 and M.08.

2.19.03--Construction Methods: Sedimentation Control Systems shall be installed by the Contractor in locations shown on the plans or as directed by the Engineer. When hay bales are used they shall be installed as specified in Article 2.18.03. Geotextile sedimentation control systems may consist of either a prefabricated geotextile fence or a geotextile fence assembled by the Contractor in the field. Geotextile sedimentation control systems shall be installed so that the bottom 150 mm of the fabric is buried by either trenching or by laying the 150 mm section horizontally on the ground and burying by ramping the soil up to the control fence. All geotextile fences shall be at least 760 mm in exposed height as installed, with not less than a 2 degree and not more than a 20 degree inclination toward the potential silt source. Hardwood posts shall have a minimum cross-section size of at least 38 mm by 38 mm and a minimum length of 1.1 m. Steel posts shall be at least 0.75 kg per meter with a minimum length of 1.2 m. Spacing between posts shall not exceed 3 m, and all posts shall be driven a minimum of 304 mm into the ground. When joints between sections of geotextile sedimentation control systems are necessary, geotextile shall be spliced together only at a support post, with a minimum 150 mm overlap, and securely sealed.

The Contractor may use brush as a backing for the geotextile by piling the brush 600 mm to 900 mm high and then attaching the geotextile to the brush and burying the bottom 150 mm of geotextile as in the previous fence method.

The installations shall be maintained or replaced until they are no longer necessary for the purpose intended or are ordered removed by the Engineer. Clean-out of accumulated sediment shall be accomplished when one-half of the original height of the sedimentation control system, as installed, becomes filled with sediment or as ordered by the Engineer.

The geotextile fence systems will be completely removed from the project at the completion of the project, unless specifically authorized by the Engineer to be left in place.

Hay bale systems will be allowed to remain in toe of slope areas unless ordered removed by the Engineer.

Unless a specific type of sedimentation control system is indicated on the plans or directed by the Engineer, the type of system will be at the Contractor's option.

2.19.04--Method of Measurement: This work will be measured for payment by the actual number of meters of "Sedimentation Control System" or "Sedimentation Control (Type) System" installed and accepted. Measurement shall be made along the center-line of the system. Replacement systems will not be measured for payment.

2.19.05--Basis of Payment: Payment for this work will be made at the contract unit price per meter for "Sedimentation Control System" or "Sedimentation Control (Type) System" complete in place, which price shall include all materials, equipment, tools and labor incidental to the installation, maintenance, replacement, removal and disposal of the system and surplus material. No payment shall be made for the clean-out of accumulated sediment.

Pay Item	Pay Unit
Sedimentation Control System	m
Sedimentation Control (Type) System	m