

DIVISION 16

EROSION CONTROL AND ROADSIDE DEVELOPMENT

SECTION 1605

TEMPORARY SILT FENCE

1605-1 DESCRIPTION

Furnish material, construct, maintain and remove temporary silt fence in locations shown in the plans or in locations that require surface drainage to be filtered.

1605-2 MATERIALS

Refer to Division 10.

Item	Section
Geotextile, Type 3	1056

(A) Posts

Provide steel posts with at least 5 ft long, 1 3/8" wide measured parallel to the fence and 1.25 lb/ft in weight per length. Equip with an anchor plate with an area of at least 14.0 sq.in. Ensure a means of retaining fencing material in the desired position without displacement.

(B) Woven Wire Fence

Provide woven wire fence at least 32" high with 5 horizontal wires, vertical wires spaced 12" apart, 10 gauge top and bottom wires and 12 1/2 gauge for all other wires.

(C) Attachment Device

Provide No. 9 staple with at least 1 1/2" length or other approved attachment device.

1605-3 CONSTRUCTION METHODS

Install in locations as shown in the plans or as directed.

Install wire and geotextile as shown in *Roadway Standard Drawings*.

Geotextile may be used without the woven wire fence backing under the following conditions:

(A) The Engineer will approve the geotextile.

(B) Incline post spacing toward the runoff source, at an angle of not more than 20° from vertical.

(1) Attach geotextile to the post with wire or other acceptable methods.

(2) Overlap geotextile at least 18" at splice joints.

(3) Install geotextile that is free of defects, rips, holes, flaws, deterioration or damage.

1605-4 MAINTENANCE AND REMOVAL

Maintain the silt fence until the project is accepted or until the fence is removed. Remove and replace deteriorated or ineffective geotextile. Remove and dispose of silt accumulations in accordance with Section 1630 when necessary or as directed.

Leave silt fence in place until site stabilization and remove at project completion. Removed silt fence becomes the property of the Contractor. Dress and seed and mulch all areas where silt fence is removed in accordance with Section 1660.

Section 1606

1 **1605-5 MEASUREMENT AND PAYMENT**

2 *Temporary Silt Fence* will be measured and paid in linear feet, accepted in place, along the
3 ground line of the fence.

4 *Silt Excavation* will be measured and paid in accordance with Section 1630.

5 *Seeding and Mulching* will be measured and paid in accordance with Section 1660.

6 Article 104-5, pertaining to revised contract prices, will not apply to this item. No revision in
7 the contract unit price will be allowed because of any overrun or underrun.

8 Payment will be made under:

Pay Item	Pay Unit
Temporary Silt Fence	Linear Foot

9 **SECTION 1606**
10 **SPECIAL SEDIMENT CONTROL FENCE**

11 **1606-1 DESCRIPTION**

12 Furnish materials, construct, maintain and remove special sediment control fence. Place
13 special sediment control fence as shown in the plans or as directed.

14 **1606-2 MATERIALS**

15 Refer to Division 10.

Item	Section
Sediment Control Stone, Standard Size No. 5 or 57	1005

16 **(A) Posts**

17 Provide steel posts in accordance with Subarticle 1605-2(A).

18 **(B) 1/4" Hardware Cloth**

19 Provide hardware cloth with 1/4" openings constructed from 24 gauge wire.

20 **(C) Attachment Device**

21 Provide No. 9 staple with at least 1 1/2" length or other approved attachment device.

22 **1606-3 CONSTRUCTION METHODS**

23 Install hardware cloth and sediment control stone in accordance with *Roadway Standard*
24 *Drawings* No. 1606.01. Attach hardware cloth to post with wire staple or other acceptable
25 methods.

26 Maintain the special sediment control fence until the project is accepted or until the fence is
27 removed. Remove and dispose of silt accumulations at the fence when so directed in
28 accordance with Section 1630.

29 **1606-4 MEASUREMENT AND PAYMENT**

30 *Silt Excavation* will be measured and paid in accordance with Section 1630.

31 *1/4" Hardware Cloth* will be measured and paid in accordance with Article 1632-5.

32 *Sediment Control Stone* will be measured and paid in accordance with Article 1610-4.