

628 EROSION AND SEDIMENT CONTROL

628.01 DESCRIPTION

This work shall consist of installing temporary measures to control soil erosion and sediment through the use of swales, dikes, sediment basins or traps, berms, silt fences, dams, paved chutes or flumes, riprap, fiber mats, netting, gravel, mulches, grasses or other devices or methods throughout the duration of the construction. Permanent control provisions, contained in the contract shall be coordinated with the temporary control provisions to the extent practical to assure economical, effective and continuous control throughout the construction and post-construction periods.

The District of Columbia Department of Transportation has adopted the D.C. Department of Health, Environmental Health Administration, Bureau of Environmental Quality Watershed Protection Division “-Storm Water Management Guide book” and “ Standards and Specifications for Soil Erosion and Sediment Control”. All work described herein shall be performed in strict conformance with the requirements specified in the above referenced manuals, of Best Management Practices and of Sections I (Temporary Structural Practices) and II (Permanent Structural Practices) as applicable of the DCRA Standards and Specifications and in accordance with the erosion control regulations in the current Title 21 of the D.C. Municipal Regulations (DCMR 21, Chapter 5). Latest copies of these referenced publications are available , from the Department of Consumer and Regulatory Affairs, One-Stop Permit Office, 941 North Capitol Street, N.E., Washington, D.C. 20002.

628.02 CONSTRUCTION REQUIREMENTS

Erosion and Sediment Control drawings and details, if included in the contract plans, may be used by the Contractor without submitting them for approval. If they are not part of the contract plans, or if the Contractor wishes to use an alternate approach, plans, details along with a written proposal and schedule for accomplishment of soil erosion and sediment control work shall be submitted to District of Columbia, Department of Health, Environmental Health Administration, Bureau of Environmental Quality Watershed Protection Division through the Department of Consumer Regulatory Affairs Office for approval. No work on land disturbing activities shall be started without the approved plans and until the control plans, schedules, and methods of operation have been reviewed and approved by the Chief Engineer.

The Chief Engineer has the authority to limit the surface area of erodible earth material exposed by clearing and grubbing, and by excavation, borrow and fill operations. The Chief Engineer may direct the Contractor to provide immediate permanent or temporary control measures to prevent contamination of adjacent streams or other watercourses, lakes, ponds, or other areas of water impoundment, and to prevent damaging erosion or sediment deposits on neighboring lands. Such work may involve the construction of interim berms, dikes, dams, sediment basins, and slope drains, and use of interim mulches, mats, seeding, or other control devices or methods as necessary to control erosion and sedimentation. Fill and cut slopes shall be seeded and mulched as the excavation proceeds to the extent considered desirable and practicable. In some instances, incremental heights of slopes for sequential seeding and mulching will be specified.

The Contractor shall be required to incorporate all permanent erosion and sediment control features into the project at the earliest practicable time as outlined in his approved schedule. Temporary erosion and sediment control measures will be used as needed to correct conditions that develop during construction that were not foreseen during the design stage; as needed prior to installation of permanent control features; and as needed temporarily to control erosion or sedimentation that develops during normal construction practices but are not associated with permanent control features on the project.

Where erosion is likely to be a problem, clearing and grubbing operations should be so scheduled and performed that grading operations and permanent erosion and sediment control features can follow immediately thereafter if the project conditions permit; otherwise, temporary control measures may be required between successive stages. Under no conditions shall the surface area of erodible earth material exposed at one time by clearing and grubbing exceed 50,000 square feet without approval of the Chief Engineer. The limitation will apply to clearing operations only unless exempted by the Chief Engineer.

The Chief Engineer will limit the area of excavation, borrow, and embankment operations in progress commensurate with the Contractor's capability and progress in keeping the finish grading, mulching, seeding, and other such permanent erosion and sediment control measures current in accordance with the approved schedule. Should seasonal limitations make such coordination unrealistic, temporary control measures shall be taken immediately to extent feasible and justifiable.

Under no conditions shall the amount of surface area of erodible earth material exposed at one time by excavation, borrow, or fill within the right-of-way exceed 50,000 square feet without prior approval by the Chief Engineer. This is in addition to the limitation on clearing and grubbing previously set forth.

The Chief Engineer may increase or decrease the surface area of erodible earth material to be exposed at one time by clearing and grubbing, excavation, borrow, and fill operations as determined by an analysis of project conditions. The roadbed area will be included in the surface area limitations if site conditions are judged to be unfavorable by the Chief Engineer. Erosion and sediment control measures shall be required on construction work outside the right-of-way where such work is necessary as a result of roadway construction. Included are borrow pit operations, haul roads and equipment storage sites within the District of Columbia.

The erosion and sediment control features installed by the Contractor shall be acceptably maintained by the Contractor until accepted by the District.

In the event of conflict between these requirements and laws, rules, or regulations of other Federal or State or local agencies, the more strict laws, rules, or regulations shall apply.

The Contractor shall be fined \$500.00 per day/per occurrence for failure to provide and/or properly maintain approved erosion and sediment control, as determined by the Chief Engineer.

628.03 MEASURE

When Erosion and Sediment Control is listed as an item in the Pay Item Schedule, the unit of measure will be the job. No direct measure will be made whether or not the work is listed as a pay item.

628.04 PAYMENT

Payment for Erosion And Sediment Control, when it is listed as a pay item, will be made at the contract lump sum price, which payment will include all labor, materials, tools, equipment and incidentals necessary to complete the work as specified herein. Also included is the removal and disposal of all materials and restoration of the affected areas to the satisfaction of the Chief Engineer.

When Erosion and Sediment Control is not listed as an item in the Pay Item Schedule, no direct payment will be made and the cost of meeting the requirements of this work shall be reflected in and distributed among the various contract pay items.

Temporary erosion control measures required due to Contractor negligence, carelessness, or failure to install permanent controls as scheduled shall be at the Contractor's expense.

The Chief Engineer reserves the right to employ outside assistance or to use District forces to provide needed erosion control measures if the Contractor fails to do so. Such incurred direct costs plus project engineering costs will be charged to the Contractor.