

**SECTION 01 57 13**  
**TEMPORARY EROSION AND SEDIMENT CONTROL**

**PART 1 GENERAL**

1.01 WORK OF THIS SECTION

- A. This section covers work necessary for stabilization of soil to prevent erosion during and after construction and land disturbing activities. The work shall include the furnishing of all labor, materials, tools, and equipment to perform the work and services necessary as herein specified and as indicated on the Drawings. This shall include installation, maintenance, and final removal of all temporary soil erosion and sediment control measures.
- B. Contractor shall submit to the Contracting Officer and follow a plan meeting the requirements of the "State of Connecticut General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities," showing erosion and sedimentation controls above and beyond those called for in the Plans and/or Specifications, necessitated by the proposed sequence of operations and/or construction activities. The construction shall not proceed until the erosion and sedimentation control plans have been approved by the Contracting Officer. Contracting Officer may order additional control measures if the measures mentioned above prove insufficient.
- C. See additional information noted on the Drawings.

1.02 GENERAL

- A. Soil erosion stabilization and sedimentation control consist of the following elements:
  - 1. Maintenance of existing permanent or temporary storm drainage piping and channel systems, as necessary.
  - 2. Construction of new permanent and temporary storm drainage piping and channel systems, as necessary.
  - 3. Construction of temporary erosion control facilities such as silt fences, check dams, etc.
  - 4. Topsoil and Seeding: Placement of permanent topsoil, fertilizer, and seed, etc., in all areas not occupied by structures or pavement, unless shown otherwise.
  - 5. Soil Stabilization Seeding: Placement of fertilizer and seed, etc., in areas as specified hereinafter.

REPAIR STORMWATER DRAINAGE & DETENTION SYSTEMS  
103D AIR CONTROL SQUADRON  
PROJECT SKXJ072201

- B. Contractor shall be responsible for phasing Work in areas allocated for his exclusive use during this Project, including any proposed stockpile areas, to restrict sediment transport. This will include installation of any temporary erosion control devices, ditches, or other facilities.
- C. The areas set aside for the Contractor's use during the Project may be temporarily developed to provide satisfactory working, staging, and administrative areas for Contractor's exclusive use. Preparation of these areas shall be in accordance with other requirements contained within these Specifications and shall be done in a manner to both control all sediment transport away from the area.
- D. All permanent stockpiles shall be seeded with soil stabilization seed and protected by construction of silt fences and permanent 2-foot, minimum depth, ditches, completely surrounding stockpiles and located within 10 feet of the toes of the stockpile slopes.
- E. Sediment transport and erosion from working stockpiles shall be controlled and restricted from moving beyond the immediate stockpile area by construction of temporary toe-of-slope ditches and accompanying silt fences, as necessary. Contractor shall keep these temporary facilities in operational condition by regular cleaning, regrading, and maintenance. Stockpiles remaining in place longer than 14 calendar days shall be considered permanent stockpiles for purposes of erosion and sediment control.
- F. Contractor shall maintain all elements of the Soil Erosion Stabilization and Sedimentation Control systems and facilities to be constructed during this Project for the duration of Contractor's activities on this Project. Formal inspections made by the Contractor shall be conducted to meet State requirements.
- G. Replacement or repair of failed or overloaded silt fences, check dams, or other temporary erosion control devices shall be accomplished by the Contractor within 2 days of observance.
- H. Unpaved earth drainage ditches shall be regraded as needed to maintain original grade and remove sediment buildup. If a ditch becomes difficult to maintain, Contractor shall install additional erosion control devices such as check dams, temporary paving, or silt fences as directed by the Contracting Officer.

REPAIR STORMWATER DRAINAGE & DETENTION SYSTEMS  
103D AIR CONTROL SQUADRON  
PROJECT SKXJ072201

1.03 SUBMITTALS

- A. Erosion Control Plan.

**PART 2 PRODUCTS**

2.01 TEMPORARY SEED

- A. Summer seed mix shall be 50 percent by weight Tall Fescue, 30 percent by weight Sericea Lespedeza, and 20 percent by weight German Millet.
- B. Winter seed mix shall be 50 percent by weight Tall Fescue, 30 percent by weight Sericea Lespedeza, 15 percent by weight Annual Ryegrass, and 5 percent by weight Redtop.

2.02 TOPSOIL

- A. Topsoil shall be as specified under Section 31 23 23, Fill and Backfill.

2.03 OTHER

- A. As shown on Plans.

**PART 3 EXECUTION**

3.01 GENERAL

- A. Contractor shall install erosion and sediment control measures and maintain in accordance with the Drawings.
- B. The Contracting Officer has the authority to control the surface area of earth material exposed by construction operations and to direct the Contractor to immediately provide permanent or temporary pollution control measures to prevent contamination of adjacent streams, watercourses, lakes, ponds or other areas of water impoundment. Contractor shall make every effort to prevent erosion on the site and abutting property.
- C. All slopes shall be stabilized by mulching, seeding or otherwise protected as the Work progresses to comply with the intent of this Specification.
- D. All damaged slopes shall be repaired as soon as possible. Contracting Officer shall limit the surface area of earth material exposed if Contractor fails to sufficiently protect the slopes to prevent pollution.

REPAIR STORMWATER DRAINAGE & DETENTION SYSTEMS  
103D AIR CONTROL SQUADRON  
PROJECT SKXJ072201

- E. Contractor shall at all times have on hand the necessary materials and equipment to provide for early slope stabilization and corrective measures to damaged slopes.
- F. Temporary channels, ditches and outfalls shall be protected prior to directing water into them to prevent erosion.
- G. Contractor shall maintain erosion control features installed by Contractor, and shall remove such installations if ordered by Contracting Officer. Maintenance of erosion control measures by the Contractor shall include cleanout of accumulated sediment.
- H. Contractor shall operate all equipment and perform all construction operations so as to minimize pollution. Contractor shall cease any operations which will increase pollution during rain storms.
- I. Contractor shall give Contracting Officer sufficient notice of impending shutdowns to enable sufficient time to examine the project and to implement erosion and pollution control work.
- J. Contractor shall maintain all erosion controls until a satisfactory stand of vegetation has been established.

**END OF SECTION**