

SECTION 01560

SOIL EROSION AND SEDIMENTATION CONTROL

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Work required by regulations to prevent soil erosion and control sedimentation during Work on the Project.

1.02 REGULATORY REQUIREMENTS

- A. The sediment and erosion control measures are subject to inspection by State, county, and local regulatory agencies. The Contractor shall be fully responsible for constructing and maintaining the sediment and erosion control measures to the extent that they are, at all times, acceptable to the regulatory agencies. The Contractor shall be liable for payment of any fines or legal costs that the Owner may incur as a result of the Contractor's failure to properly construct and maintain the sediment and erosion control measures.
- B. One objective of the "Sediment and Erosion Control Plan" is the protection of private property. To assist any damaged property owners in redress of grievances, the following stipulations are made:
 - 1. Any silt, sediment, or mud leaving the construction site will be construed as damage to neighboring property and evidence of negligence on the part of the Contractor.
 - 2. Any damages claimed by neighboring property owners will be rectified and restitution made by the Contractor.
- C. Comply with the requirements of Chapter 102 of Pennsylvania Administrative Code Title 25 as authorized by the Clean Streams Law, Act 222, as amended.
- D. Comply with any local laws, codes, and regulations concerning the construction and maintenance of sediment and erosion control measures.

1.03 CONSTRUCTION SEQUENCE

- A. Install all sediment and erosion control measures prior to start of clearing operations.
- B. Conduct construction operations in accordance with the following general sequence:
 - 1. Construction of sediment and erosion control measures including ditches, swales, silt fences, and construction entrances.
 - 2. Clearing, removal of debris, and stockpiling of soil materials.
 - 3. Excavation.
 - 4. Construction of items required by the Contract Documents.

5. Backfilling, final grading, paving, seeding, and other ground stabilization.
6. Removal of temporary sediment and erosion control measures.

1.04 GENERAL SEDIMENT AND EROSION CONTROL METHODS/PROCEDURES

- A. In all cases, the smallest practical area of land surface shall be disturbed.
- B. Excavated material shall be placed up slope from the excavation whenever possible. Runoff from spoil piles shall be directed through a sediment filter structure and discharged in a non-erosive manner. Stockpiles of excavated material shall be stabilized immediately.
- C. Excavated material not scheduled for re-use shall be removed from the site.
- D. Utility excavations shall be open only long enough to properly install and inspect all underground facilities in accordance with applicable Specification Sections.
- E. Areas to be seeded or sodded shall be finish graded with six inches of topsoil unless otherwise specified. Positive drainage shall be maintained away from all structures. No isolated low spots shall be created.
- F. All sediment shall be prevented from entering any storm drain, ditch, or water course through use of a sediment filter structure.
- G. Dewatering Operations: Dewatering operations, when required, shall discharge through sediment traps onto non-erodible surfaces. Existing sediment trap structures may be utilized or additional structures may be required.
- H. Temporary Sediment Traps for Storm Drain Inlets:
 1. Traps shall be installed immediately upon completion of any new storm drainage inlet structure. Traps shall also be installed where there is a possibility of runoff from the construction area entering existing storm drain inlets.
 2. Sediment traps shall be inspected after each rain and maintained in a functional condition at all times during the construction period.
 3. Traps shall be removed when contributing drainage areas are stabilized.

1.05 RESTORATION

- A. After completion of construction, remove all temporary erosion and sedimentation control devices. Restore areas in which these devices were located to the original condition or to the condition called for by the Contract Documents.

PART 2 - PRODUCTS

NOT APPLICABLE TO THIS SECTION

PART 3 - EXECUTION

NOT APPLICABLE TO THIS SECTION

END OF SECTION