

SECTION 02274

SOIL EROSION AND SEDIMENTATION CONTROL

1. PART 1 GENERAL

1.1 SECTION INCLUDES

- A. System Description.
- B. Quality Assurance.
- C. Regulatory Requirements.
- D. Method of Payment.

1.2 SYSTEM DESCRIPTION

- A. Methods of control are identified on plans by numbers corresponding to the Eaton County Drain Commissioner's Soil Erosion and Sedimentation Control manual.
- B. The notation "T" or "P" following the number (as shown on the Drawings) indicates whether the control measure is temporary or permanent.
- C. Additional control measures shall be employed as required by Site conditions, applicable enforcing agency having project jurisdiction and/or as directed by the Engineer.

1.3 UNIT PRICE - BASIS OF MEASUREMENT

- A. Soil Erosion and Sedimentation Control:
 - 1. Basis of Measurement: At the lump sum price bid as stated in the proposal.
 - 2. Basis of Payment: Includes all material, equipment, and labor required for soil erosion prevention and sedimentation control including but not limited to dust control, silt fence, and other soil erosion and sedimentation control prevention measures for this Project.

1.4 QUALITY ASSURANCE

- A. Perform and maintain work in accordance with the Soil Erosion and Sedimentation Control, Part 91 of Act 451 of 1994.

1.5 REGULATORY REQUIREMENTS

- A. Submit installation time schedule for temporary and permanent soil erosion prevention and sedimentation control measures to applicable enforcing agency having jurisdiction, as well as to Engineer. Make submittals prior to start of construction.

2. PART 2 PRODUCTS

2.1 MATERIALS

- A. In accordance with applicable Section for specified materials.

3. PART 3 EXECUTION

3.1 EXAMINATION AND PREPARATION

- A. Identify required lines, levels, contours and datum.
- B. Field locate the known utility locations. Notify Engineer of conflicts and attain removal or relocation instructions prior to continuing installation activities.
- C. Maintain and protect existing utilities to remain.

3.2 PROTECTION OF ADJACENT WORK

- A. Protect adjacent structures and property, which may be damaged by execution of Work.
- B. Protect existing trees, shrubs, landscaping and lawn areas designated to remain.

3.3 INSTALLATION AND MAINTENANCE

- A. Construct soil erosion prevention and sedimentation control measures in accordance with the plans and the applicable enforcing agencies having jurisdiction.
- B. Schedule planned control measures with construction operations to limit the area of any disturbed land to the shortest possible period of exposure.
- C. Conduct all earth changes so as to effectively reduce accelerated soil erosion and resulting sedimentation.
- D. Remove all sediment from runoff water before it leaves the Site.
- E. Daily seed all disturbed areas.
- F. Contractor shall be responsible for daily inspection, maintenance, and repair of Soil Erosion and Sedimentation Control measures until final acceptance by Owner.
- G. Install silt fences around all catch basin inlets, to be removed after final inspection of the project.

3.4 DUST CONTROL

- A. The Contractor shall implement measures to minimize dust.
- B. The Contractor will develop a dust plan that will be reviewed and approved by the Engineer/Owner.
 - 1. Adequate chloride application will be required monthly at minimum on all travel routes.
 - 2. Wet application shall be required several times daily or as directed by the Engineer.
 - 3. All surfaces must be swept or vacuumed at minimum at the end of each work day and may be required more often at the direction of the Engineer.

- C. The plan shall include but not be limited to the implementation of a combination of any or all of the following techniques as determined to be applicable to this Project by the Engineer.
1. Wet Suppression.
 2. Vehicle Speed Reduction.
 3. Surface Cleaning.
 4. Traffic Control.
 5. Windbreaks.
 6. Good Operating Practices.
 7. Chloride Application.
- D. Water is available at the Staging Area at 1507 S. Canal Road or at the Delta Township Hall at 7710 W. Saginaw Highway.

END OF SECTION