

SECTION 571 PLASTIC EROSION MAT

571-1 Description.

Furnish and install plastic erosion mat on areas as shown in the Plans. Conduct this work in conjunction with the performance turf work as specified in Section 570.

571-2 Materials.

Use a plastic erosion mat consisting of continuous or fused synthetic polymer fibers, which are entangled to form a three-dimensional matrix (netting or distorted netting may be included as part of the matrix). Ensure that the mat is capable of maintaining its shape throughout installation. Ensure that the mat is inert to chemicals encountered in a natural soil environment, and meets the requirement of Section 985 and the Design Standards, Index No. 199, according to its application.

571-3 Installation of Plastic Erosion Mat.

Before installing the plastic erosion mat, furnish the Engineer two certified copies of the test report from the manufacturer certifying that the geotextile to be incorporated into this project meets the requirements of Section 985 and Design Standards, Index No. 199. Also, provide two copies of the manufacturer's written installation instructions.

Install a plastic erosion mat of uniform thickness, not less than 1/4 inch or more than 3/4 inch on the prepared soil surface in accordance with these Specifications, the manufacturer's recommendations and in conformity with the lines, grades and dimensions as shown in the Plans. Ensure that all joints are shingle lapped such that the bottom of each section fits over the top of the section below to prevent uplift of the ends or edges by water flow. Overlap ends of adjacent rolls a minimum of 3 feet. Overlap edges of adjacent rolls a minimum of 4 inches. Stake all edges at 3 to 5 feet intervals with staples as recommended by the manufacturer unless otherwise directed by the Engineer. Ensure that overlaps and anchor trenches are in conformance with the Plans and the manufacturer's installation recommendations.

Ensure that after installation there are no protrusions, projections or exposures of the plastic erosion mat. Do not compact the installed plastic erosion mat with any type of equipment employing a foot or grid.

The Engineer will reject any material having defects, tears, punctures, flaws, deterioration or other damage before, during or after installation. Remove and replace all rejected plastic erosion mat at no additional expense to the Department.

Fill all voids in the mat with soil meeting the requirements of Section 987. Establish performance turf meeting the requirements of Section 570.

571-4 Method of Measurement.

The quantity to be paid for will be the surface area of plastic erosion mat installed and accepted in square yards with no allowance for overlaps.

Performance turf will be paid for separately in accordance with Section 570.

571-5 Basis of Payment.

Price and payment will be full compensation for all work specified in this Section, including furnishing, handling, placement of plastic erosion mat, all labor, equipment, and miscellaneous materials necessary for a complete and accepted installation.

Payment will be made under:

Item No. 571- 1- Plastic Erosion Mat - per square yard.