

Item No. 624S
Earth Outlet Sediment Trap

624S.1 Description

This item shall govern the trap formed by either an excavation and/or embankment. The trap shall have a discharge point over or cut into natural ground. The outlet shall be free of any restriction to flow. The removal of the entire structure, re-grading and re-vegetation of the area shall be included in this Standard Specification Item.

This specification is applicable for projects or work involving either inch-pound or SI units. Within the text, the inch-pound units are given preference followed by SI units shown within parentheses.

624S.2 Submittals

The submittal requirements for this specification item shall include:

- A. Identification of the type, source, mixture, pure live seed (PLS) and rate of application of the seeding;
- B. Type of mulch;
- C. Type of tacking agent;
- D. Type and rate of application of fertilizer.

624S.3 Materials

Seeding shall conform to Item No. 604S, "Seeding for Erosion Control".

624S.4 Construction Methods

All excavation operations shall be carried out in such a manner that erosion and water pollution shall be minimal. Any excavated portion of the sediment trap shall have 2:1 or flatter slopes.

Area under the embankment and the pool area shall be cleared, grubbed or stripped of all vegetation and root mat in conformance with Standard Specification Item No. 120S, "Clearing and Grubbing".

The fill material for the embankment shall be free of roots or other woody vegetation, as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall conform to Standard Specification Item No. 132S, "Embankment".

Outlet crest elevation shall be at least 1 foot (300 mm) below the top of the embankment.

Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap or 1 foot (300 mm), whichever is less. The sediment that is removed from the trap shall be deposited in an approved spoils area and in such a manner that it will not cause additional siltation.

The structure shall be inspected after each rain and repairs made as needed by the Contractor throughout the duration of this contract or until the Engineer or designated representative gives permission in writing to remove the structure.

The structure shall be removed and the area graded and re-seeded in conformance with Standard Specification Item No. 604S, "Seeding for Erosion Control", when the drainage area has been properly stabilized.

624S.5 Measurement

Acceptable work, that is performed as prescribed by this Standard Specification item, will be measured by the square yards (square meters: 1 square meter is equal to 1.196 square yards) of sediment trap constructed, removed and re-vegetated.

624S.6 Payment

Work performed and materials furnished for this item will be paid at the unit bid price per square yard of sediment trap.

Payment will be made under:

Pay Item No. 624S: Earth Outlet Sediment Trap Per Square Yard.

End

<u>SPECIFIC</u> CROSS REFERENCE MATERIALS
Specification 624S, "Earth Outlet Sediment Trap"

City of Austin Standard Specifications

<u>Designation</u>	<u>Description</u>
Item No. 120S	Clearing and Grubbing
Item No. 132S	Embankment
Item No. 604S	Seeding for Erosion Control

<u>RELATED</u> CROSS REFERENCE MATERIALS

City of Austin Standard Specifications

<u>Designation</u>	<u>Description</u>
Item No. 101S	Preparing Right of Way
Item No. 111S	Excavation
Item No. 120S	Channel Excavation
Item No. 606S	Fertilizer
Item No. 608S	Planting
Item No. 610 S	Preservation of Trees and Other Vegetation

Texas Department of Transportation: Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges

<u>Designation</u>	<u>Description</u>
Item No. 100	Preparing Right of Way
Item No. 110	Excavation
Item No. 132	Embankment
Item No. 158	Specialized Excavation Work
Item No. 166	Fertilizer
Item No. 168	Vegetative Watering
Item No. 169	Soil Retention Blanket
Item No. 204	Sprinkling