

**Item No. 634S  
Level Spreader**

**634S.1 Description**

This item governs furnishing and installing an entrance channel conversion to sheet flow without causing erosion to the existing vegetation. This item shall include the re-vegetation of the area.

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.

**634S.2 Submittals**

The submittal requirements for this specification item shall include:

- A. The source, material type and classification, density and moisture requirements of the embankment materials
- B. The soil retention blanket material type and sample, evidence that the material is listed on TxDoT/TTI's Approved Products List, one (1) full set of Manufacturer's literature and installation recommendations, and any special details necessary for the proposed application.
- C. Re-vegetation program, including:
  1. Identification of the type, source, mixture, Pure Live Seed (PLS) and rate of application of the seeding.
  2. Type of mulch.
  3. Type of tacking agent.
  4. Type and rate of application of fertilizer.

**634S.3 Materials**

A. Filter Fabric

Filter Fabric shall conform to Item No. 620S, "Filter Fabric".

B. Backfill

Fill shall conform to Item No. 132S, "Embankment".

**634S.4 Construction Methods**

Level Spreader shall be constructed level to insure uniform spreading of sediment-free runoff. The Level Spreader shall be constructed on undisturbed soil. A filter fabric erosion stop shall be placed vertically at least 6 inches (150 mm) deep in a silt trench 1 foot (300 mm) back from the level lip and parallel to the lip. The entire level lip area shall be protected by 2 strips of "Soil Retention Blanket" (Standard Specification Item 605S). The entrance channel shall not exceed a 1 percent grade before extending the spreader. All groundcover shall be re-established and construction areas stabilized.



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                  |