

**Item No. 633S**  
**Landgrading**

**633S.1 Description**

This item shall govern reshaping the existing topography in accordance with the Drawings and Standard Detail 633S-1, "Landgrading". The purpose of landgrading is to provide for erosion control and vegetation establishment on those areas where the existing topography is to be reshaped by grading.

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.

**633S.2 Submittals**

The submittal requirements for this specification item shall include:

- A. Sediment control plan
- B. Seeding plan 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, and
  - 4. Type and rate of application of fertilizer.

**633S.3 Materials**

- A. Seeding
  - Seeding shall conform to Item No. 604S, "Seeding for Erosion Control".
- B. Pipe Underdrains
  - Pipe underdrains shall conform to Item No. 551, "Pipe Underdrains".

**633S.4 Construction Methods**

All sediment control practices and measures shall be constructed and in place before proceeding with the construction of "Landgrading". The sediment control practices and measures shall be maintained in accordance with the sediment control plan. Topsoil and fill materials, which are stripped for the establishment of vegetation, shall be stockpiled in amounts necessary to complete finished grading of all exposed areas. Temporary stockpiles, borrow areas and permitted spoil areas shall be shown on the Drawings and no other areas shall be used for these purposes. Cleared areas, that are to receive fill materials, shall be grubbed to remove trees, vegetation, roots and other objectionable material as required by Standard Specification Item No. 102S, "Clearing and Grubbing". Seeps or springs encountered during construction shall be intercepted and diverted to a

pipe underdrain conforming to Standard Specification Item No. 551, "Pipe Underdrains" and Standard Detail No. 551-1.

Except for approved landfills, fill material shall be free of brush, rubbish, rocks, logs, stumps, building debris and other objectionable materials that would interfere with or prevent construction of satisfactory fills. All fills shall be compacted as required by the Drawings and Standard Detail 633S-1 to reduce erosion, slippage, settlement, subsidence or other related problems. Fill intended to support buildings, structures and conduits, etc., shall be compacted in accordance with Standard Specification Item No. 132S, "Embankment". All graded areas shall be permanently stabilized and seeded immediately following finished grading.

**633S.5 Measurement**

Acceptable work performed as prescribed by this item will be measured by either square feet (square meters: 1 square meter equals 1.196 square feet) or acres (hectares; 1 hectare equals 2.471 acres) of the area to be graded, which will include stabilization and groundcover re-establishment.

**633S.6 Payment**

Work performed and material furnished for this item will be paid for at the unit bid price per square foot or acre of the area graded. Pipe Underdrains, when required, will be paid for in accordance with Item No. 551, "Pipe Underdrains".

Payment will be made under:

<b>Pay Item No. 633S-A:</b>	Landgrading	Per Square Foot.
<b>Pay Item No. 633S-B:</b>	Landgrading	Per Acre.

**End**

<b><u>SPECIFIC</u> CROSS REFERENCE MATERIALS</b>
Specification 633S, "Landgrading (LG) "

City of Austin Standard Details

<u>Designation</u>	<u>Description</u>
Number 633S-1	Landgrading

City of Austin Standard Specifications

<u>Designation</u>	<u>Description</u>
Item No. 102S	Clearing and Grubbing
Item No. 132S	Embankment
Item No. 551	Pipe Underdrains
Item No. 604S	Seeding for Erosion Control

<b><i>RELATED</i> CROSS REFERENCE MATERIALS</b>
Specification 633S, "Landgrading (LG) "

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. 602S	Sodding for Erosion Control
Item No. 605S	Soil Retention Blanket
Item No. 606S	Fertilizer
Item No. 608S	Planting
Item No. 610S	Preservation of Trees and Other Vegetation
Item No. 620S	Filter Fabric

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