

703.5.01 Adjustments

General Provisions 101 through 150.

Section 705—Transplanting Trees**705.1 General Description**

This work includes transplanting existing trees at new locations as shown on the Plans and as directed by the Engineer.

705.1.01 Definitions

General Provisions 101 through 150.

705.1.02 Related References**A. Standard Specifications**

Section 700—Grassing

Section 891—Fertilizers

Section 893—Miscellaneous Planting Material

B. Referenced Documents

General Provisions 101 through 150.

705.1.03 Submittals

General Provisions 101 through 150.

705.2 Materials

Use materials that meet the requirements of the following Specifications:

Material	Section
Plant Topsoil	893.2.01
Fertilizer	891.2.01
Mulch	893.2.02
Stakes	893.2.08
Staking Wire	(See planting details)
Rubber Hose	(See planting details)
Tree Paint	893.2.06
Water for Plant Growth	700.2.B

705.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

705.3 Construction Requirements**705.3.01 Personnel**

Have skilled workers transplant according to the best horticultural practices.

705.3.02 Equipment

Have tree transplanting equipment as detailed in the Plans and Specifications on the project site and in satisfactory condition before construction begins.

Excavate trees and tree pits with the Vermeer-type tree spade or tree mover or equivalent approved mechanized equipment.

705.3.03 Preparation

General Provisions 101 through 150.

705.3.04 Fabrication

General Provisions 101 through 150.

705.3.05 Construction

A. Transplanting Operations

Follow these procedures when transplanting trees:

1. **Trunk and Branch Protection**
Protect trunks and branches from breaks or bruises. Spray trees in leaf with an approved antidesiccant before digging.
2. **Pruning**
Prune trees before transplanting as directed by the Engineer. Remove broken or badly bruised branches with a clean cut. Treat 1 in (25 mm) or larger cuts with an approved tree paint or wound dressing.
3. **Securing Roots**
Dig trees to secure as many roots as possible. Maintain a tight, firm ball during the moving operations.
4. **Excavating**
Excavate trees and tree pits. Use the excavated material to backfill the pits from which the existing trees were removed.
5. **Placing Trees in Pits**
Place transplanted trees into new pits. Backfill voids between the ball and the pit with clean, washed sand and tamp. Thoroughly water the sand in with a root feeder or water needle.
6. **Applying Topsoil and Mulch**
Apply plant topsoil to the transplanted tree according to Plan details. Mulch the pits with 3 in (75 mm) of mulching material.
7. **Staking and Anchoring Trees**
Stake or anchor trees according to planting details or as directed by the Engineer.

705.3.06 Quality Acceptance

Replace severely damaged or disfigured trees that the Engineer determines were damaged by operations. Replace with trees of approximately the same size, genus, species, variety, and quality at the Contractor's expense.

705.3.07 Contractor Warranty and Maintenance

A. Watering

After the initial watering, make four additional waterings at two-week intervals.

- Incorporate into the first additional watering Grade 10-20-10 water-soluble fertilizer at the rate of 12 lbs/100 gal (5.5 kg/400 L) of water.
- Make each of the additional waterings with a root feeder or watering needle. Thoroughly saturate the pit.

B. Guarantee Period

A guarantee period is not required for the transplanting work.

705.4 Measurement

The quantity of transplanted trees paid for under this Item is the number transplanted.

Size is determined by tree caliper (diameter) measurement at a point 12 in (300 mm) above the natural ground surface. Where tree caliper exactly coincides with a break point in the Pay Item size intervals, that tree is classed in the lower size interval.

705.4.01 Limits

General Provisions 101 through 150.

705.5 Payment

Transplanting trees will be paid for at the Contract Unit Price. Payment is full compensation for the work and materials including plant topsoil, fertilizer, mulch, stakes, staking wire, rubber hose, tree paint, water, and incidentals necessary to complete the Item.

Payment will be made under:

Item No. 705	Transplanting trees, _____ in (mm) to _____ in (mm) caliper	Per each
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705.5.01 Adjustments

General Provisions 101 through 150.

Section 706—Turf Establishment

706.1 General Description

This work includes providing a hardy and permanent ground cover at designated locations. The cover is subject to the Engineer's approval.

706.1.01 Definitions

General Provisions 101 through 150.

706.1.02 Related References

A. Standard Specifications

Section 700—Grassing

B. Referenced Documents

General Provisions 101 through 150.

706.1.03 Submittals

General Provisions 101 through 150.

706.2 Materials

Select a viable ground cover according to Section 700.

706.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

706.3 Construction Requirements

706.3.01 Personnel

General Provisions 101 through 150.

706.3.02 Equipment

General Provisions 101 through 150.

706.3.03 Preparation

General Provisions 101 through 150.

706.3.04 Fabrication

General Provisions 101 through 150.

706.3.05 Construction

General Provisions 101 through 150.

706.3.06 Quality Acceptance

Refer to Subsection 700.3.06 "Quality Acceptance" and Subsection 700.3.07 "Contractor Warranty and Maintenance" for acceptance of a viable ground cover.

706.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.