SPECIAL SPECIFICATION

1091

Transplanting Trees

1. **Description.** Transplant trees by providing labor and equipment to dig and relocate existing trees, in accordance with the plans and this specification.

2. **Performance Requirements.** Ensure the work is performed by a Contractor with a minimum of 5 years experience in transplanting large plant materials.

   Perform the work in compliance with the American Standard for Nursery Stock, Section 2.2.2, and the National Arbor Standards for moving existing plant materials.

3. **Equipment.** Use any tree spade to perform this work that has the capability of digging rootballs a minimum of 40 in. in width. Use machinery that is in good condition with minimum tolerance between cutting blades. Ensure the blades are free of bends which interfere with normal operation. Mount the tree spade on a suitably stable machine capable of supporting the mass of the dug materials and heavy enough to force the blades into the soil to the proper depth. Dig the pits to receive the machine-transplanted trees with machines of like size to that which is used to dig the tree to be transplanted.

4. **Construction.**
   - Locate underground utilities before beginning the transplant operation.
   - Center trees in the machine when dug. Observe caution to prevent damage to the tree branches and trunks while backing onto or driving away from the tree.
   - Cut roots protruding from the digging spades flush with the rootball before planting.
   - Plant trees in the new locations the same day they are removed, with no holes left open overnight.
   - Brace deciduous or coniferous plant materials to prevent damage. Skid plates and bracing may be directly attached to the tree trunk by clean nails. Continuously, protect the integrity of the trunk, limbs, and rootball.
   - Backfill trees with approved topsoil. Apply water in the backfill after each 12 in. layer of backfill.
• Construct a uniform, circular soil berm, 8 in. in height and 15 in. in width, to create a water basin around each tree. Place the berm beyond the edge of the tree pit, but no more than 6 in. from the edge of the tree pit.

• Add a 4 in. thick layer of shredded cypress mulch within the water basin. Apply mulch within 24 hours of tree planting.

• Water the transplanted trees immediately after planting, again within 24 hours of the initial watering, and as directed. Apply water in the required quantity where shown on the plans or as directed. This watering will be paid for under Item 168, “Vegetative Watering.”

• Apply an approved root stimulator immediately after planting the tree. Follow the manufacturer’s recommendations for application rates.

• Stake trees according to the details shown on the plans.

5. Measurement. This Item will be measured by each tree that is transplanted.

6. Payment. The work performed and materials furnished in accordance with this Item and measured as provided under “Measurement” will be paid for at the unit price bid for “Transplant Tree.” This price is full compensation for transplanting trees, furnishing and installing mulch, topsoil, and other incidental items required for the establishment of the tree in the new location.