

**DESCRIPTION**

Work covered under this specification shall include digging up the tagged trees, baling and burlapping, heeling-in, maintenance during storage, installation and maintenance of a portable drip irrigation system after tree is replanted.

**MATERIAL**

Refer to the Special Note "Supplemental Landscape Development Specifications".

**Portable Drip Irrigation System -**

Portable Drip Irrigation System (PDIS) water bags shall be constructed so that they can be attached to the trees, provide water from three drip points (minimum) and have a zipper attachment that extends from the top to the bottom of the bag.

Watering bags shall be UV treated, reinforced Polyethylene material with a nylon toothed zipper. Each bag shall be capable of holding at least 20 gallons of water. The CONTRACTOR shall submit catalog cuts to the Engineer for approval at least two weeks prior to installation.

**CONSTRUCTION DETAILS**

- A. Remove trees with earth ball intact around root system. Soil ball size shall comply with the recommendations and requirements of ANSI 260.1 'American Standard for Nursery Stock'. Ball and burlap trees and store on site as directed by the ENGINEER. Do not bend or bind-tie trees in such a manner as to damage bark, break branches, or destroy natural shape. Provide protective covering during transport. Do not drop balled and burlapped transplants during transport and storage.
- B. Heel-in balled and burlapped transplants until time of replanting. Plants shall be heeled-in at the storage site on same day of digging. No trees shall be dug up and exposed longer than a normal work day.
- C. Water and mulch plants as necessary to maintain optimum health of plant until replanting occurs.
- D. Deliver plants after preparations for planting have been completed and plant immediately. If planting is delayed more than six hours after delivery, set plants in shade, protect from weather and mechanical damage and keep roots moist by covering with mulch, burlap or other acceptable means of retaining moisture.
- E. Supply and install the required number of PDIS bags as recommended by the manufacturer for each tree transplanted. All PDIS watering bags shall be filled once each week regardless of normal rain conditions or as directed by the ENGINEER. The bags shall be calibrated such that they deliver a full bag of water to the tree pit evenly over the period of one week.

- F. Submit a watering schedule after the initial installation has been completed. All watering bags shall be removed by December 1st. The CONTRACTOR shall store and replace the watering bags only if the project/Period of Establishment (POE) extends beyond the winter season. On April 15th of the following year, the watering bags shall be reinstalled and filled at each transplanted tree location. All bags that are damaged and or missing shall be replaced at the CONTRACTOR’S expense.

**METHOD OF MEASUREMENT**

The quantity measured for payment shall be the number of trees dug up and re-installed, measured in place by the ENGINEER.

**BASIS OF PAYMENT**

The unit price bid shall include the cost of digging up the installed trees, balling and burlapping, heeling-in and maintenance during storage, re-planting as per the Supplemental Landscape Development Specifications, furnishing, installing and supplying water for portable drip irrigation system units.

Payment will be made under:

<b><u>Item No.</u></b>	<b><u>Item</u></b>	<b><u>Pay Unit</u></b>
C611.99	Tree Transplanting	EA