

DESCRIPTION

Under this item, the CONTRACTOR shall furnish all labor, material and equipment necessary to install and care for new plantings in the locations shown on the plans and as directed by the ENGINEER. The work shall conform to the requirements of NYSDOT Section 611 with the following modifications:

MATERIAL**Portable Drip Irrigation System -**

Portable Drip Irrigation System (PDIS) water bags shall be constructed so that they can be attached to the trees and shrubs, provide water from three drip points (minimum), 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 for shade trees and 14 gallons for coniferous trees and shrubs. The CONTRACTOR shall submit catalog cuts to the ENGINEER for approval at least two weeks prior to installation.

CONSTRUCTION DETAILS**Deciduous and Coniferous Trees and Shrub Plantings –**

After a tree or shrub is planted and properly watered for compaction, the CONTRACTOR shall supply and install the required number of PDIS water bags as recommended by the manufacturer for the trees planted. Initial watering for the trees and shrubs shall consist of filling to the top each PDIS bag supplied at each location. 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 planting pit evenly over the period of one week.

The CONTRACTOR shall 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 tree location watered under this item. All bags that are damaged and or missing shall be replaced at the CONTRACTOR'S expense.

Vines, Groundcovers and Special Plant Materials –

Vines, groundcovers and special plants shall be thoroughly watered during and immediately after planting to help stabilize the soil around the roots. The CONTRACTOR shall apply water periodically during the period of establishment such that the soil around the new plants is moist to the touch. The CONTRACTOR shall avoid water logging the new plantings. This can be accomplished with short but frequent watering rather than long, infrequent watering.

METHOD OF MEASUREMENT

Planting will be measured as the number of plants of each kind, size or quality as set forth in the contract documents which are counted in place as having been completed and accepted.

BASIS OF PAYMENT**General –**

The unit price bid for each plant of each kind, size or quality, as set forth in the contract, which has been acceptably planted shall include the cost of all labor, equipment, materials and incidentals, watering and planting soil to complete the work specified.

Deciduous and Coniferous Trees and Shrub Plantings –

The unit price bid for trees and shrubs shall also include the cost to furnish and install PDIS units and supply water for each PDIS unit. PDIS bags used to replace damaged or missing bags will not be measured for payment. No additional payment will be made for reinstallation of watering bags that were removed for the winter season.

The CONTRACTOR will be paid 50% upon initial planting and installation of the PDIS units, 40% will be paid in monthly installments during watering and period of establishment, and the remaining 10% upon the removal of the PDIS units if no longer needed as determined by the ENGINEER or upon completion of the work to the satisfaction of the ENGINEER.

Vines, Ground Cover and Special Plantings –

The unit price bid for vines, ground cover and other special plantings shall also include the cost to furnish, and apply water during the period of establishment.

The CONTRACTOR will be paid 50% upon initial planting, 40% will be paid in monthly installments during watering and period of establishment, and the remaining 10% upon completion of the work to the satisfaction of the ENGINEER.

Payment will be made under:

<u>Item No.</u>	<u>Item</u>	<u>Pay Unit</u>
C611.0101XY	Planting – Major Deciduous Trees	EA
C611.0201XY	Planting – Minor Deciduous Trees	EA
C611.0301XY	Planting – Coniferous Trees	EA
C611.0401XY	Planting – Deciduous Shrubs	EA
C611.0501XY	Planting – Evergreen Shrubs	EA
C611.0601XY	Planting – Vines and Groundcovers	EA
C611.0701XY	Planting – Special Plant Materials	EA