

DESCRIPTION

This work shall consist of furnishing and installing Special Protection for Existing Trees in accordance with the contract documents and as directed by the Engineer.

MATERIALS

Materials for Special Protection for Existing Trees shall conform to the following requirements:

- Wood Fiber Mulch that meets requirements of Section 713-11
- Geotextile that meets requirements of Section 207-2
- 13mm diameter x 400mm long Steel Pins
- #12 gauge steel wire
- 50mm x 100mm x 2000mm (max.) lumber
- Gravel that meets the requirements of Section 304

CONSTRUCTION DETAILS

The special protection for existing trees shall be erected prior to moving construction equipment onto the site where the existing trees to remain are located. Lay Geotextile in continuous square around center of the tree with excess fabric folded back beyond dripline of tree. Place wood fiber mulch onto square around the center of the tree and as shown on the Contract Documents, to the depth and dimensions out to dripline. Fold excess geotextile over mulch and wrap edges under inside and outside edge of mulch area. Pound steel pins through geotextile and mulch and embed pins into subsurface soil taking care to avoid large roots. Ensure pins tightly anchor geotextile down onto mulch and secure edge conditions. Gravel shall be laid around the four outside edges of geotextile wrapped mulch as shown on the detail.

Stand 50 x 100 lumber upright around base ensuring the length does not exceed 2 meters up to lower limbs and the space between the lumber does not exceed 13mm. Encircle and connect lumber into place with wire at three equally spaced horizontal positions. Lumber should be held firmly in place by wire in order to protect trunk, but not so tight as to injure the bark or prevent normal movement of tree.

METHOD OF MEASUREMENT

This work will be measured as the number of Existing Trees for which Special Protection has been satisfactorily furnished and installed.

BASIS OF PAYMENT

The unit price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work.