

## **ITEM 24615.30 M - TREE WELLS AND TREE WALLS**

### **DESCRIPTION:**

The work covered by this item consists of constructing tree wells and/or tree walls where shown on the plans and as specified. Excavation and filling in the vicinity of trees which are to have tree wells or tree wall protection shall be delayed until the work under this item has progressed to an acceptable stage.

### **MATERIALS:**

Material for the construction of tree wells and/or walls shall be stone or a segmental precast concrete block system as indicated in the Supplemental Landscape Development Specifications. The color of either the stone or segmental precast concrete block system shall also be as indicated in the Supplemental Landscape Development Specifications. If stone is used it shall be roughly rectangular, sound, field or quarry stone at least four fifths of the material shall have a minimum thickness of 50 mm and a minimum length of 250 mm. Segmental precast concrete block system shall have a minimum thickness of 75 mm and a minimum length of 200 mm.

Materials for backfilling of the tree wells shall be approved by the Engineer and shall be course granular fill such as sand and broken bricks or crushed stone no smaller than 3A.

Sand shall be approved by the Engineer and shall have the following properties: 100% shall pass the 6.3 mm mesh sieve and not more than 10% shall pass the 75µ m mesh sieve.

Backfill for tree walls shall be topsoil as specified under section 713-01.

Geotextile for tree wells shall be Geotextile which is appropriate for undercut as specified under section 207.

Material for the protection of plants shall be as specified under section 713-08.

Other materials shall be as specified elsewhere in the Supplemental Landscape Development Specifications.

### **CONSTRUCTION DETAILS:**

Walls. Walls shall be constructed as shown on the attached detail, or as approved by the Engineer, to protect trees where the existing grade is being lowered by grading in the vicinity of the trees. The minimum number of roots shall be cleared out to accommodate the wall construction.

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Roots which are cut, shall be cleanly cut. Roots exposed to the air before backfilling shall be kept moist by the use of wet burlap or other suitable material.

Wells. Wells shall be constructed to protect trees where the existing grade is being raised by grading in the vicinity of the trees. When specified, drains shall be placed for drainage and for aeration or watering, before the Backfill is placed, as approved by the Engineer.

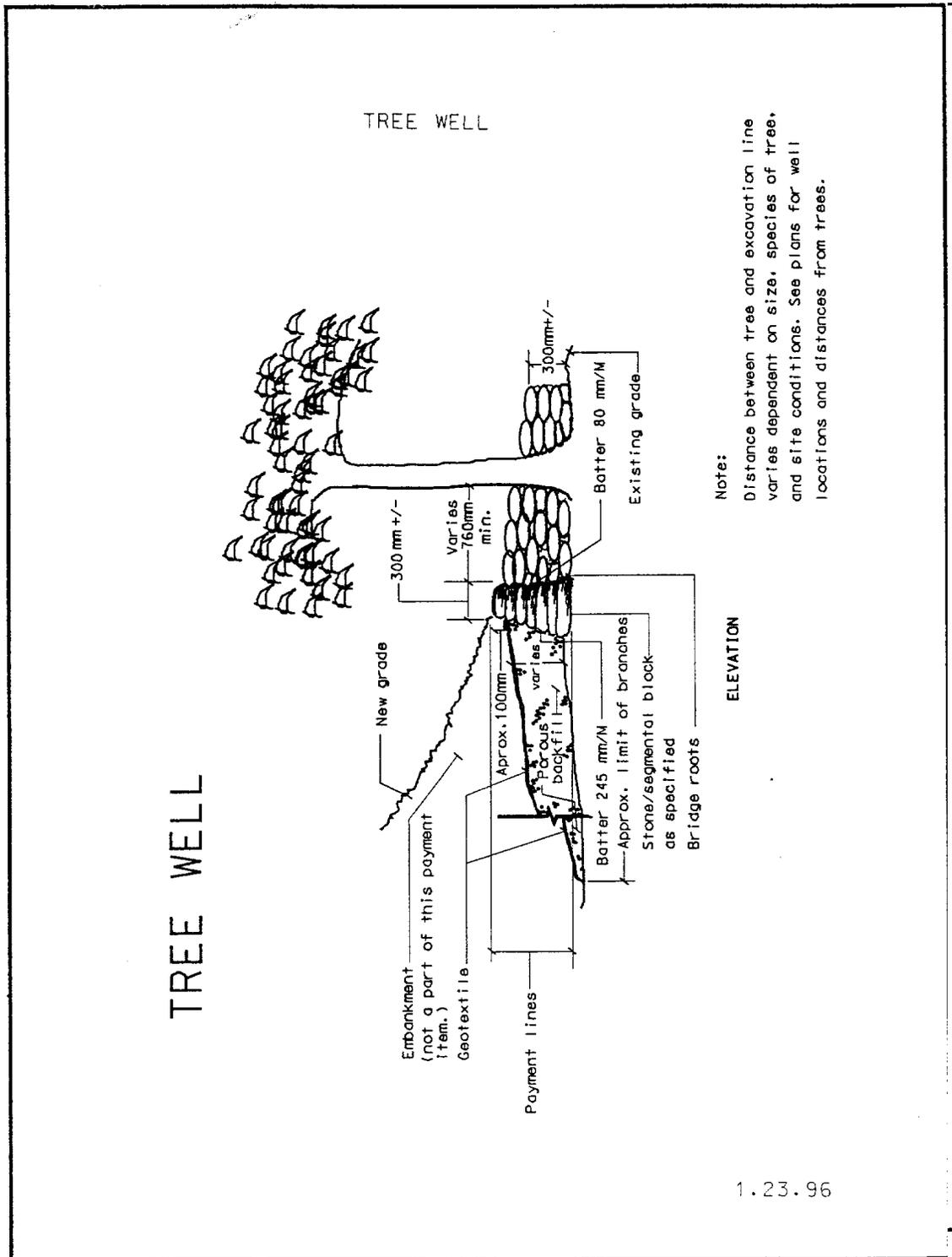
### **METHOD OF MEASUREMENTS:**

Measurement of tree wells and tree walls shall be the number of square meters measured from the prepared grade along the outside vertical surface of the wall placed in accordance with this specification or as ordered by the Engineer.

### **BASIS OF PAYMENT:**

Payment for constructing tree wells and tree walls will be made as the unit price bid for the number of square meters of stone or segmental precast concrete block measured from the prepared grade along the outside vertical surface of the wall. Payment shall constitute full compensation for furnishing all labor, materials, equipment and incidentals necessary to complete the work as specified except that excavation and topsoil backfill shall be paid for under their respective items.

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DISAPPROVED  
BY EI 12-001