

## **Z0019400 DRY RUBBLE STONE OR BROKEN CONCRETE TREE WELLS (LCDOT)**

Effective: January 1, 2007  
Revised: May 19, 2014

**Description:** This work shall consist of furnishing and constructing rubble stone or broken concrete tree wells in sections of proposed embankment for the purpose of preserving existing trees.

**Materials:** *The dry rubble stone and/or broken concrete shall have a minimum size of 6" x 6" x 4" [length x width x thickness].*

The bedding stone shall meet the requirements of Article 1005.01 of the "Standard Specifications" except that:

*The bedding stone shall be limited to class A-3. Limestone shall not be allowed.*

The vents and drains shall meet the requirements of Section 601 of the "Standard Specifications" except that:

*The pipes shall be limited to:*

- *(m) Perforated Polyvinyl Chloride (PVC) pipe [1040.03 (b)]*
- *(n) Perforated Corrugated Polyvinyl Chloride (PVC) pipe with a smooth interior [1040.03 (c)]*

*The pipe shall be wrapped with a fabric envelope meeting the requirements of Article 1080.01 of the "Standard Specifications".*

**Construction Requirements:** The work shall be performed according to the LCDOT Standard Drawing LC1015 and the following:

The outside limit of the 8" lift of bedding stone, the limit of the filter fabric, and the placement of the lateral drain and the vent drains shall be to the drip line of the tree or to limits set by the Engineer. To assist the Contractor in estimating quantities, a table comparing the approximate diameter of the drip line to the diameter of the tree trunk is included on LC1015.

The 8" lift of bedding stone is placed on top of the existing ground area under the crown of the tree as shown on LC1015. The bedding stone and filter fabric shall extend from the outside edge of the stone out to the drip line or to limits set by the Engineer. The bedding stone shall be placed in a like manner to the bedding under riprap as described in Section 281 of the "Standard Specifications".

The 4" diameter perforated lateral vents and drains shall be installed according to Section 601 of the "Standard Specifications".

**Method of Measurement:** The tree well will be measured in place and an average height of the stone determined. For payment, the inside diameter of the well will be the diameter of the tree plus 2'. For payment, the thickness of the stone shall be 12". The volume of the well shall be calculated, as the average height times the calculated area of the 12" thick stone, in cubic yards.

**Basis of Payment:** This work will be paid for at the contract unit price per cubic yard for DRY RUBBLE STONE OR BROKEN CONCRETE TREE WELLS. *The work shall include all equipment, materials and labor necessary to install the tree well according to LC1015 and this Special Provision. All pipe vents, drains, caps, and filter fabric shall be included in unit price.*