

**ITEM 10615.9602 M - RECYCLED LUMBER WALK**

**DESCRIPTION**

This work shall consist of constructing Recycled Lumber Walk to bridge over existing tree root systems where indicated on the plans and as directed by the Engineer.

**MATERIALS**

Unless otherwise approved, the following shall apply:

Recycled Deck Lumber	Trex Wood-Polymer Lumber Products ( Trex Decking ) Color shall be integral: Woodland Brown Manufactured by Trex Company 20 S. Cameron Street Winchester, VA 22601 ph. (540) 678 - 4084  or equal as approved by the Regional Landscape Architect.
Structural Support Lumber	712-13
Cast-in-Place Concrete, Class A	501
Screened Gravel	Shall meet the requirements of Section 703-02, Coarse Aggregates, unless otherwise indicated. Gravel shall conform to Table 703-4, screening size 1 (mixture of sizes 6.3mm - 25mm). Color shall be brown, as approved by the Regional Landscape Architect.
Topsoil	713-01

Hardware. Fasteners and attachments shall be hot-dipped galvanized ceramic coated steel. Galvanizing shall be in accordance with Subsection 719-01, Type I or Type II, as applicable.

**CONSTRUCTION DETAILS**

Support Timbers: All support timbers and beams shall be placed in such a manner that there will be minimal damage to tree roots, above or below the ground, as shown on the plans. The Contractor's attention is directed to the fact that additional concrete footings may be required, depending upon the walk design, spacing of support post, and actual location of the roots.

Direct embedment of structural supports into the adjacent sidewalk will not be permitted. All bolts on the supporting members shall be tack welded to prevent removal.

The walk shall ramp down to meet grade at each end at a slope no greater than 1:12.

### **ITEM 10615.9602 M - RECYCLED LUMBER WALK**

Decking 2 x 6's shall be placed a minimum of 50mm from the face of the tree trunk, as approved by the Engineer. All decking shall have a uniform 3.1mm spacing between adjacent boards, as approved by the Engineer.

To prevent mushrooming of decking material over screw or nail heads, after installation all screws or nails shall be tapped down with a hammer to get a counter sunk appearance.

Screened gravel and topsoil shall be placed as shown on the plans and as directed by the Engineer.

The Contractor shall submit five copies of shop drawings showing the structural supporting members, attachment and anchorage detail, and decking details to the Engineer for approval. These drawings shall be submitted at least two months prior to the date the Contractor orders the lumber. The Contractor shall not commence work until the Shop drawings are approved.

The shop drawings shall be neatly drawn and legible. The drawings shall be submitted to the Engineer.

### **METHOD OF MEASUREMENT**

This work will be measured as the number of square meters of recycled lumber walk satisfactorily installed. The lumber walk will be measured along the width and length of the decking material.

### **BASIS OF PAYMENT**

The price bid shall include the cost of furnish all labor, equipment, and material necessary to satisfactorily complete the work including structural supporting members, attachment and anchorage hardware, decking, screened gravel, excavation, backfill, concrete footings, or any other material necessary to complete the work as shown on plans. Topsoil and seeding shall be paid for separately.