SPECIFICATION

SECTION 3.0: Capillary Planter Soil Mix

Description:

This work will consist of preparing a free-draining soil that contains all the necessary physical, chemical, and biological properties to create a sustainable landscape with excellent capillary properties for use in planters. This mix will be pre-blended off-site and delivered ready for installation.

3.1 **Materials**

The materials will consist of the three components listed below, which must meet the corresponding testing standards for each component.

1) Decomposed Pine Bark Fines	10% by Volume
2) ERTH Food Organic Compost	20% by Volume
3) HydRocks Expanded Lightweight Aggregate	20% by Volume
4) Blackened Top Soil	30% by Volume
5) Clean sand	20% by volume

3.4 Lightweight Mix (specifications)

The final mix shall be tested to ensure that the following requirements are met.

A. Maximum Acceptable Unit Weights- ASTM C29

1. Saturated Density <85 lbs./pcf.

B. Permeability- ASTM D2434 2 in/hr. Or greater.

C. Plant Sustainability requirements- The Lightweight Soil Mix shall meet the following criteria:

1. Organic Matter	4.0% rate or better
2. Soil pH	5.8-7.0
3. Cation Exchange Capacity	7.5 or better
4. Estimated Nitrogen Release	medium or higher as tested by soil analysis
5. Potassium	medium or higher as tested by soil analysis
6. Magnesium	medium or higher as tested by soil analysis
7. Calcium	medium or higher as tested by soil analysis

End of Section