SPECIFICATION

SECTION 3.0: Capillary Planter Soil Mix- Sand based for free draining Planters

Description:

This work shall consist of preparing a lightweight, free draining soil containing all the physical, chemical, and biological properties to create a sustainable landscape with excellent capillary properties. This mix will be pre-blended offsite and delivered ready for installation.

3.1 **Materials**

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

1) Decomposed Pine Bark Fines	20% by Volume
2) ERTH Food Organic Compost	20% by Volume
3) HydRocks Expanded Lightweight Aggregate	30% by Volume
4) Course washed sand	30% by Voulme

3.4 Lightweight Mix (specifications)

The final mix shall be tested to insure that the following requirements are meet.

A. Maximum Acceptable Unit Weights- ASTM C29

1. Saturated Density	Loose =	80 pcf. wet weight
	Rodded =	90 pcf. wet weight
2. Drained Density	Loose =	50 pcf. wet weight
	Rodded =	60 pcf. wet weight

B. Permeability- ASTM D2434 4 in/hr or greater.

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

1. Organic Matter	4.0% rate or better
2. Soil pH	6.0-7.0
3. Cation Exchange Capacity	5.5 or better
4. Estimated Nitrogen Release	medium as tested by soil analysis
5. Potassium	medium as tested by soil analysis
6. Magnesium	medium as tested by soil analysis
7. Calcium	medium as tested by soil analysis

End of Section