SPECIFICATION

SECTION 1.0: Lightweight Drainage layer for On-Structure Planting Area's

1.1 Description:

This work shall consist of the use of lightweight aggregate as a drainage fill layer for on-structure planting areas.

1.2 Materials (specifications)

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

A: 3/8"-3/16" Rotary Klin Expanded Lightweight Aggregate (100% by volume)

1. ASTM C-29 Dry Loose Unit Weight: (less than 49lbs./cf)
2. ASTM C-127 Specific Gravity: 1.12 to 1.28, SSD
3. ASTM C-127 Absorption: 16% to 33%
4. ASTM C-136 Sieve Analysis #3/8 to 0

3/8"- 0 (3/8-3/16)

Sieve Size	% Passing	ASTM Specification
½ in.	100	100
3/8 in.	99.5	80-100
#4	23.3	5-40
#8	4.2	0-20
#16	1.4	0-10

5. Only non-hazardous fuels such as coal or natural gas may be used to process the Aggregate.
6. The amount of clay lumps shall not exceed 2% by dry weight.

1.2 Drainage Layer Lightweight Aggregate

A. Install drainage layer of Lightweight Aggregate over drainage system to meet specified depth for fill layer.

B. Install a filter cloth over drainage layer if specified before placing Lightweight soil or additional cover material.

End of Section