

# ECLIPSE STRUCTURAL SOIL PLANTING GUIDE

## TYPICAL TREE PLANTING ARRANGEMENT

- ← A continuous- structural soil base under the entire sidewalk greatly increases the volume of deep soil zone available to trees

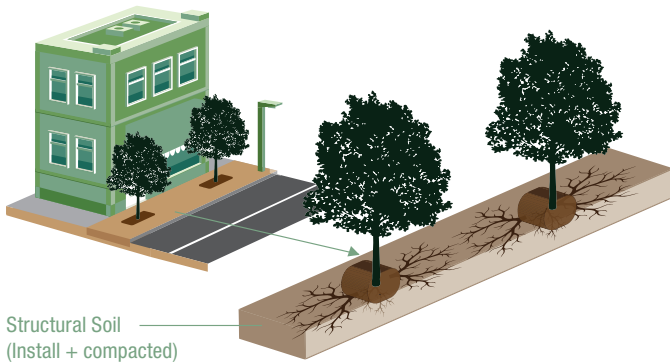


Table 1.1 - Tree Pot Size

Tree Size	Approximate Size of Root Ball	Depth of Structural Soil
45lt	450mm(d) x 400mm(w)	700mm
100lt	600mm(d) x 450mm(w)	900mm
200lt	600mm(d) x 600mm(w)	900mm
1000lt	800mm(d) x 1300mm(w)	1200mm

Table 1.2 - Structural Soil Quantity Guide

Tree Size	Approximate Canopy	Structural Soil Quantity (3m)
Small - 3x5m	15m <sup>2</sup>	9m <sup>3</sup>
Medium - 4x5m	24m <sup>2</sup>	14m <sup>3</sup>
Large - 4x8m	32m <sup>2</sup>	19m <sup>3</sup>

- Note these quantities act only as a guide and will vary depending on actual species.
- In ground quantities equate to .6m<sup>3</sup> for every m<sup>2</sup> of overall tree canopy.
- Allowance for 15% extra material to take into account compaction rates.

### LEGEND

- 1-Property Boundary
- 2-Pavement (permeable preferred)
- 3-Base coarse
- 4-Subgrade
- 5-Large Street Tree (See Table 1.2)
- 6-Eclipse Aquamor mulch
- 7-Root Ball (See Table 1.1)
- 8-Pavement (maybe flush with side walk)
- 9-Curb
- 10-Base Course
- 11-Structural soil can be extended below road (subject to civil approval design)
- 12-Drainage pipe to storm sewer (if needed)
- 13-Reticulation prelay required prior to install

Plate Compaction for every pass to be done every 150/200 mm to achieve compaction requirements as per engineering standards.

