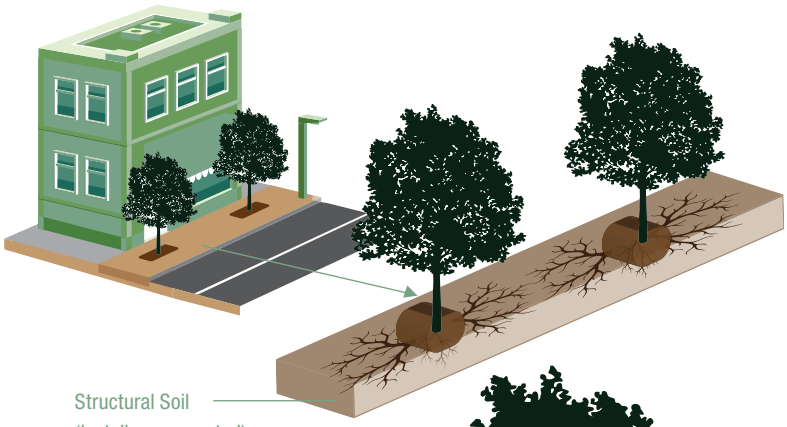
Eclipse SOILS

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



Structural Soil
(Install + compacted)

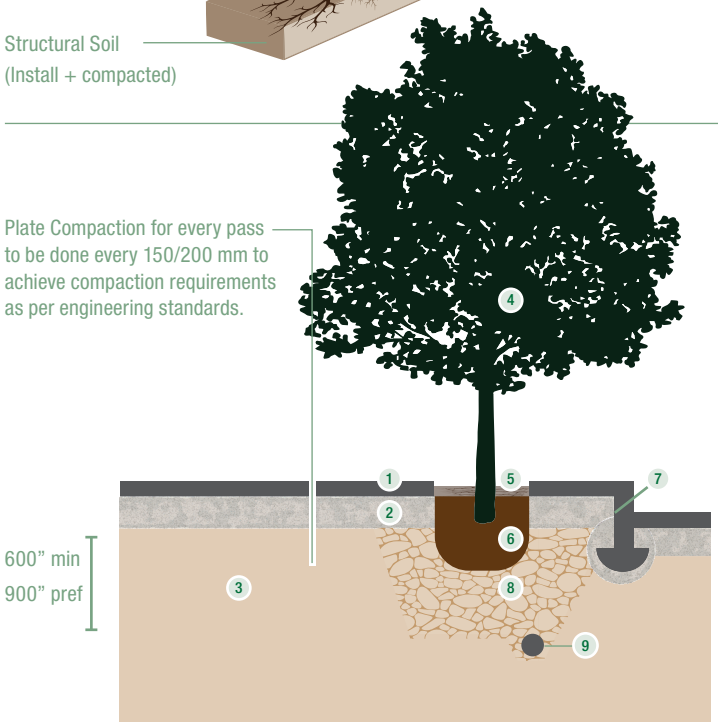


Table 1.1 - Tree Pot Size

Tree Size	Approximate Size of Root Ball	Depth of Structural Soil
45lt	450mm(d) x 400mm(w)	600mm
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 (m2)	Structural Soil Quantity (m3)
Small - 3x3m	9m2	5m3
Medium - 4x4m	16m2	8m3
Large - 5x5m	25m2	13m3

- Note these quantities act only as a guide and will vary depending on actual species.
- In ground quantities equate to 0.5m3 for every m2 of overall tree canopy.
- Allowance for 15% extra material to take into account compaction rates.

LEGEND

1-Pavement / Road
2-Paving Sand
3-Subgrade
4-Large Street Tree (See Table 1.2)
5-Eclipse Aquamor Mulch
6-Root Ball (See Table 1.1)
7-Curb
8-Structural Soil
9-Drainage pipe to storm sewer (If needed)

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