

SILVA CELL SYSTEM 2X

NOT TO SCALE

KEY PLAN

(A) SILVA CELL SYSTEM (DECK, BASE, AND POSTS)

(B) SUBGRADE, COMPACTED

(C) GEOTEXTILE FABRIC, PLACED ABOVE SUBGRADE

(D) 4\"/>

(E) SILVA CELL BASE SLOPE, 10% MAX

(F) 1\"/>

(G) ANCHORING SPIKES, CONTACT DEEPROOT FOR ALTERNATIVE

(H) GEOTEXTILE, WRAPPED AROUND PERIMETER OF SYSTEM, WITH 6\"/>

(I) CABLE TIE, ATTACHING GEOTEXTILE TO SILVA CELL

AT BASE OF UPPER LEG FLARE, AS NEEDED

(1) PLANTING SOIL, PER PROJECT SPECIFICATIONS,

PLACED IN LITS AND WALK-IN COMPACTED TO 75-85% PROCTOR

(2) COMPACTED BACKFILL, PER PROJECT SPECIFICATIONS

(3) GEOTEXTILE FABRIC TO EDGE OF EXCAVATION

(4) RIBBON CURB AT TREE OPENING (TO BE USED WITH PAVERS OR ASPHALT)

(5) THICKENED EDGE AT TREE OPENING (TO BE USED WITH CONCRETE)

(6) PAVEMENT AND AGGREGATE BASE PER PROJECT *

*MINIMUM PAVEMENT PROFILE OPTIONS TO MEET H-20 LOADING

PAVEMENT + AGGREGATE BASE COURSE

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(7) DEEPROOT ROOT BARRIER, 12\"/>

PLACED IN LITS AND WALK-IN COMPACTED TO 75-85% PROCTOR

(8) GEOTEXTILE FABRIC TO EDGE OF EXCAVATION

(9) RIBBON CURB AT TREE OPENING (TO BE USED WITH PAVERS OR ASPHALT)

(10) THICKENED EDGE AT TREE OPENING (TO BE USED WITH CONCRETE)

(11) PAVEMENT AND AGGREGATE BASE PER PROJECT *

*MINIMUM PAVEMENT PROFILE OPTIONS TO MEET H-20 LOADING

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deeproot
DeepRoot Green Infrastructure
www.deeproot.com
T 415 781 9700
F 415 781 0191

SILVA CELL SYSTEM 2X

NOT TO SCALE
(INCHES)



Required Tree to Soil Volume Ratio Graph

LARGE SHADE TREES (1,000 C.F. SOIL VOLUME)

- Green Buttonwood
- Wild Tamarind
- Live Oak

SMALL TREES/LARGE PALMS (400 C.F. SOIL VOLUME)

- Silver Buttonwood
- Pigeon Plum
- Wax-Leaf Privet
- Royal Palm

SMALL PALMS (300 C.F. SOIL VOLUME)

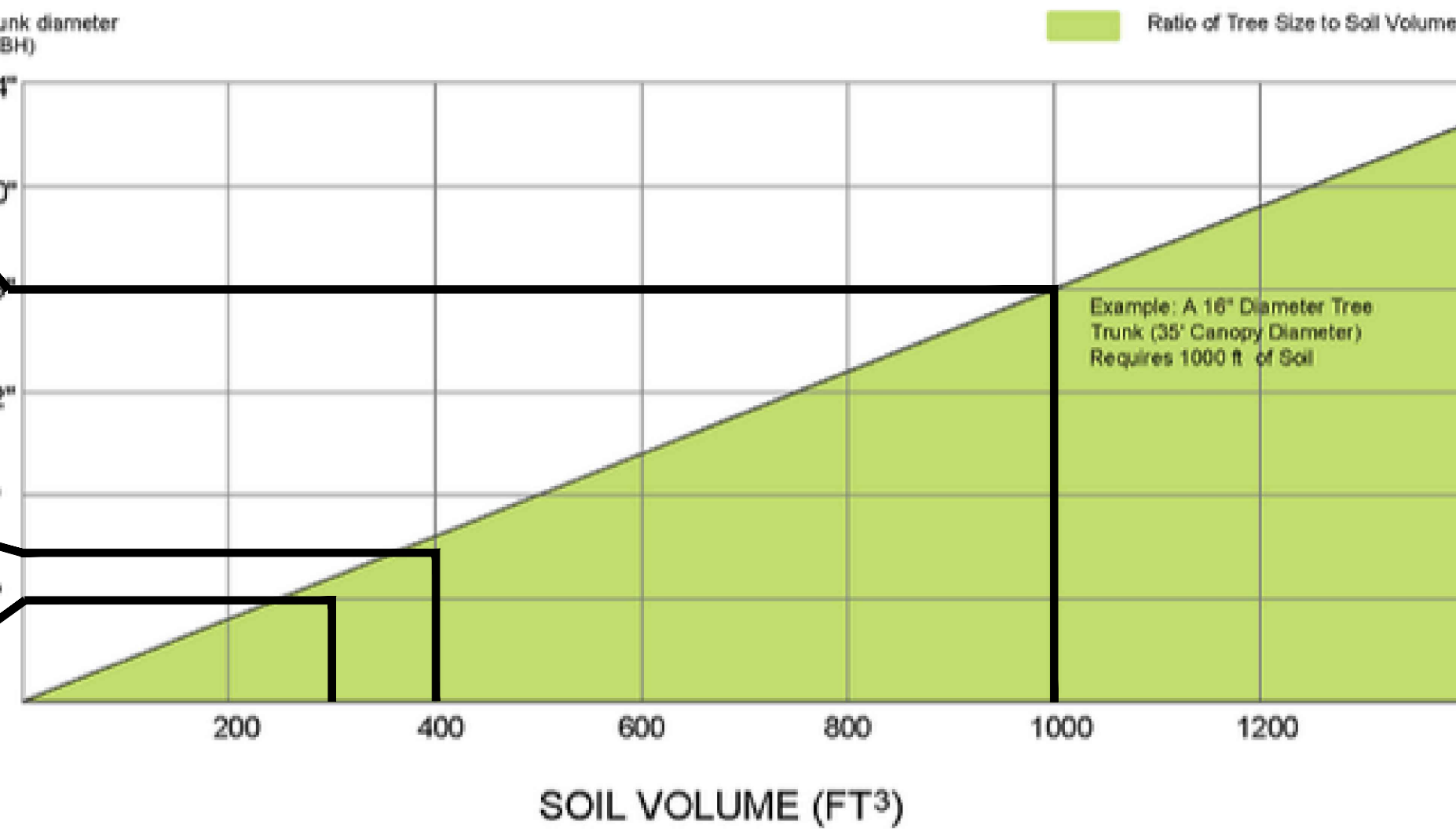
- Solitaire Palm

PROJECTED MATURE TREE SIZE

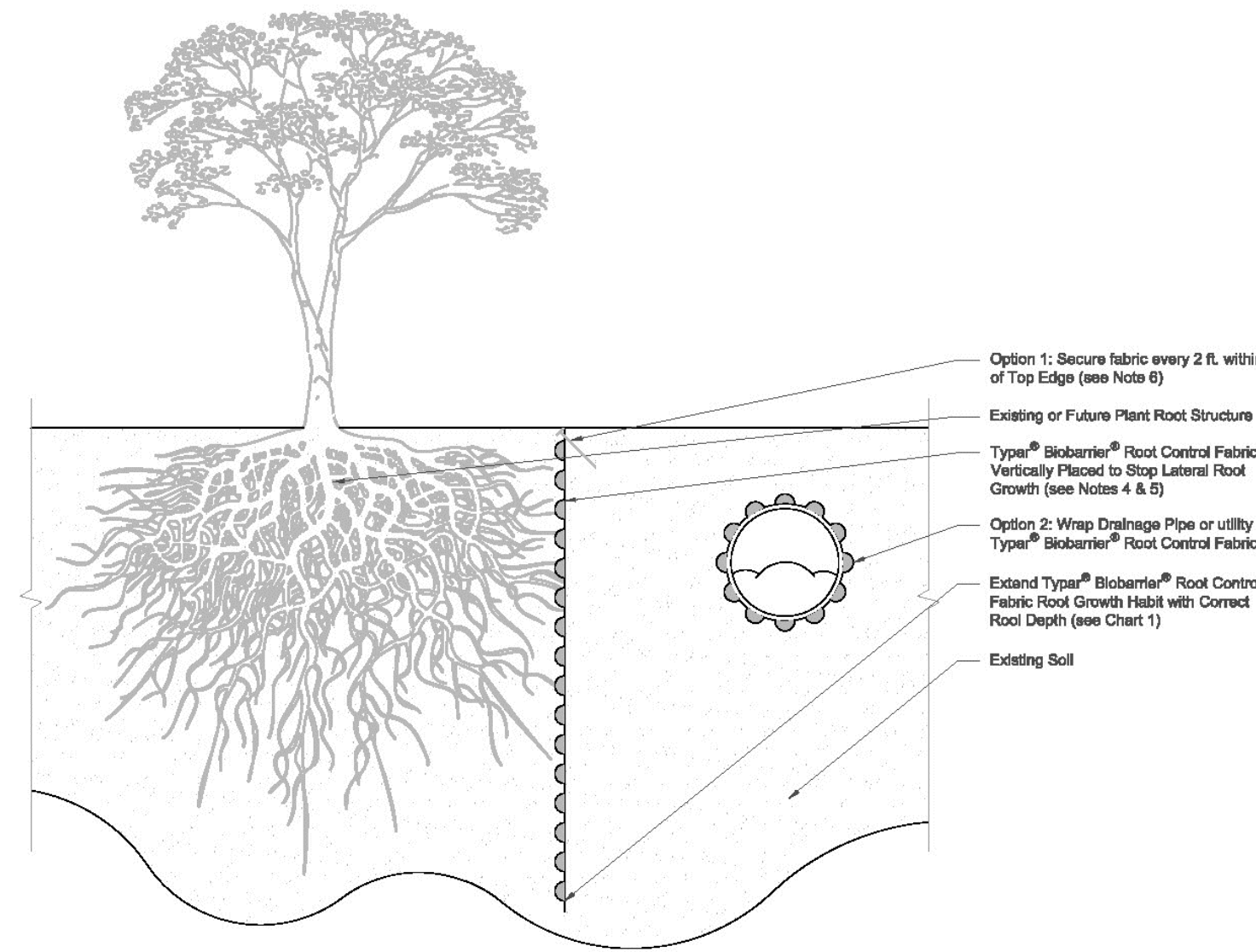
Canopy diameter

Trunk diameter (DBH)

Ratio of Tree Size to Soil Volume



Soil volumes depicted in this chart are based on the amount of roots loam soil can support with optimum compaction for root growth.



1) Biobarrier® - Drain Line Application

Scale: N.T.S.

NOTES:

- Note 1: Contact your utility company prior to installing. Contact a professional installer if root trimming is required.
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