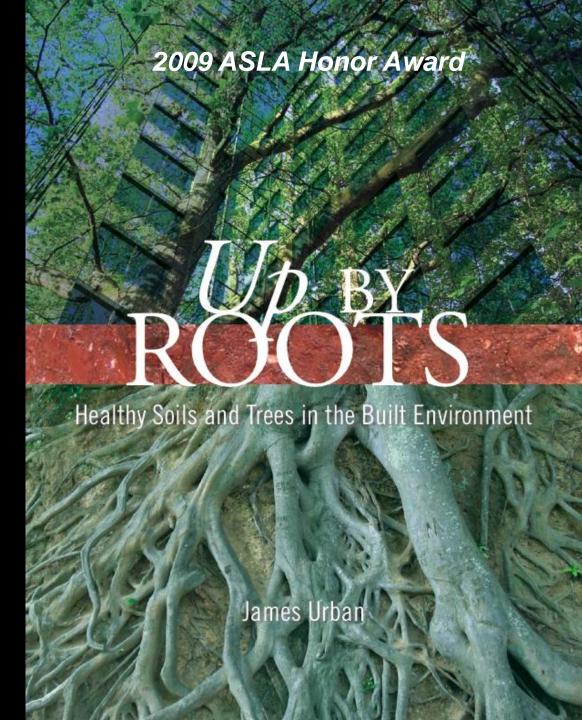
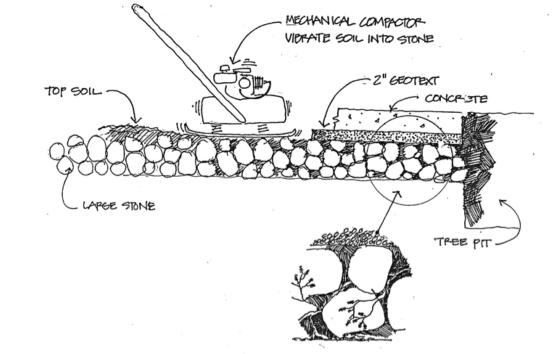
Canadian Urban Forest Conference

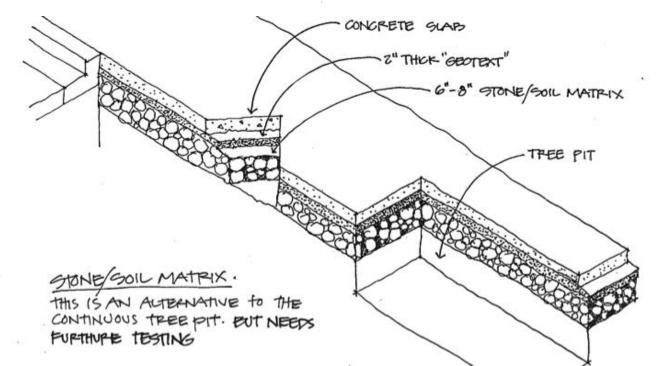
Bio-Mimicry and the Future Urban Forest

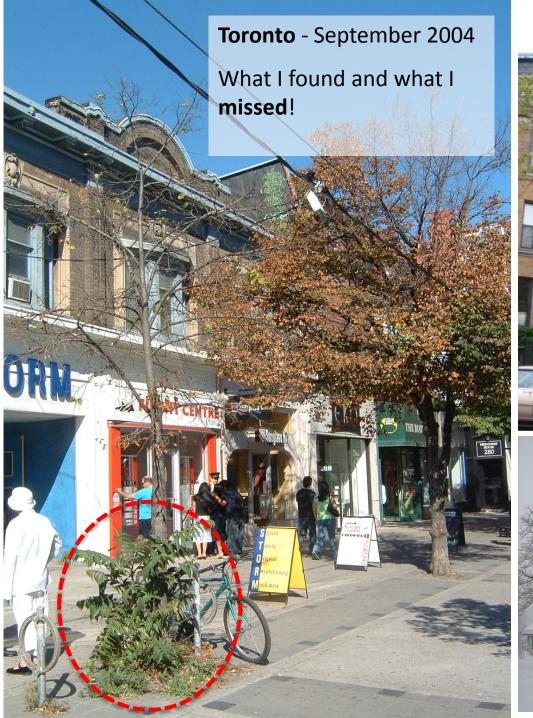
James Urban, FASLA, ISA Urban Tree + Soils Urbantree@toad.net



1986 lecture on the Future Urban Forest, a proposal for structural soil, based on seeing tree roots growing in rock sites. First installations were in 1996













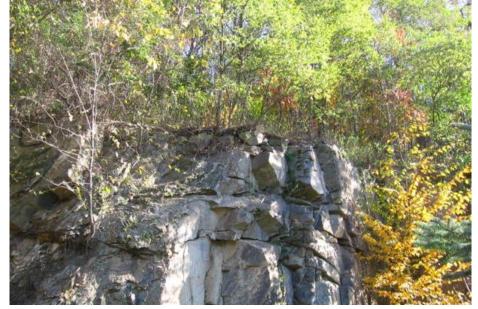


The 'Super Man" of trees does not exist, except maybe Ailanthus.

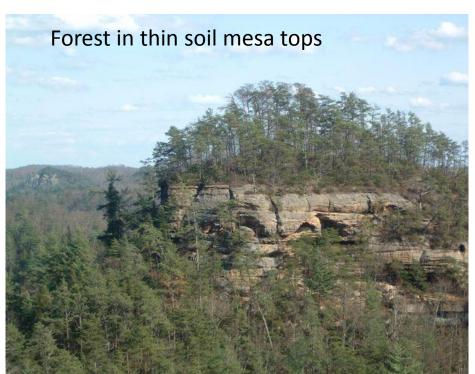


In the Future we need to open our minds before we open our wallets!



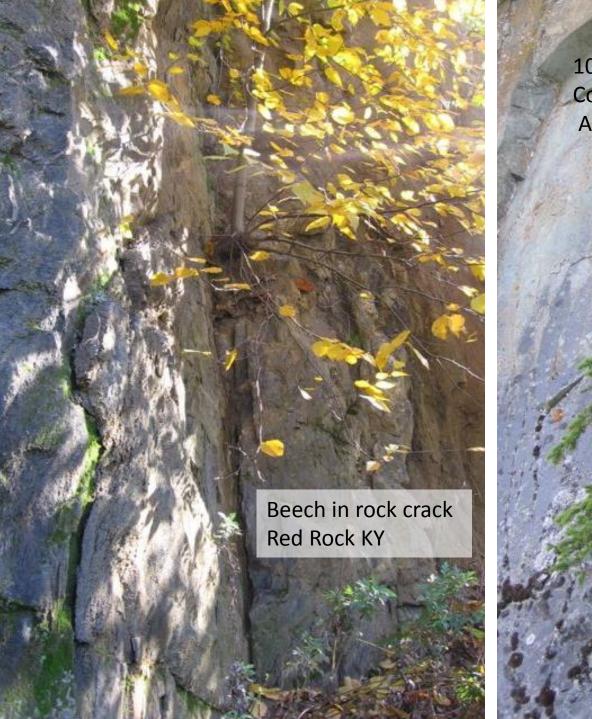


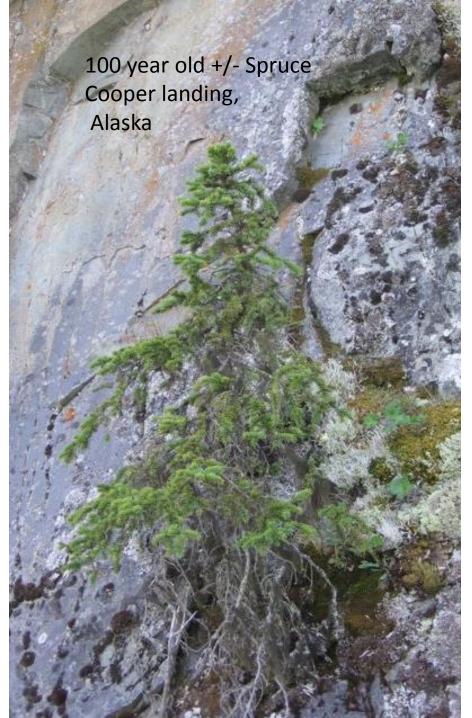






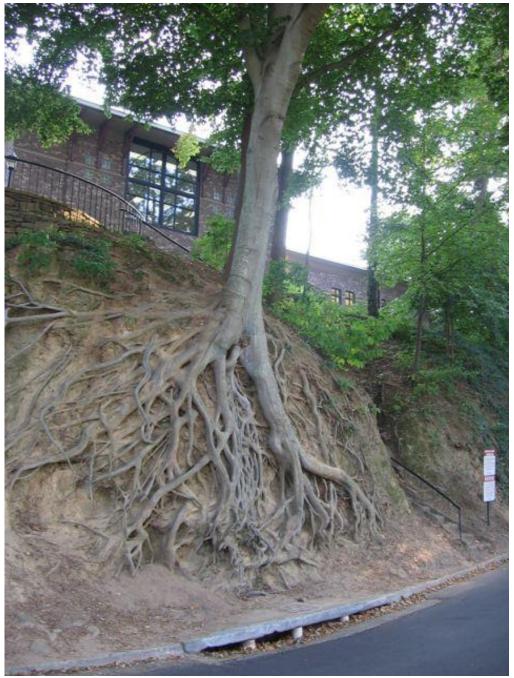








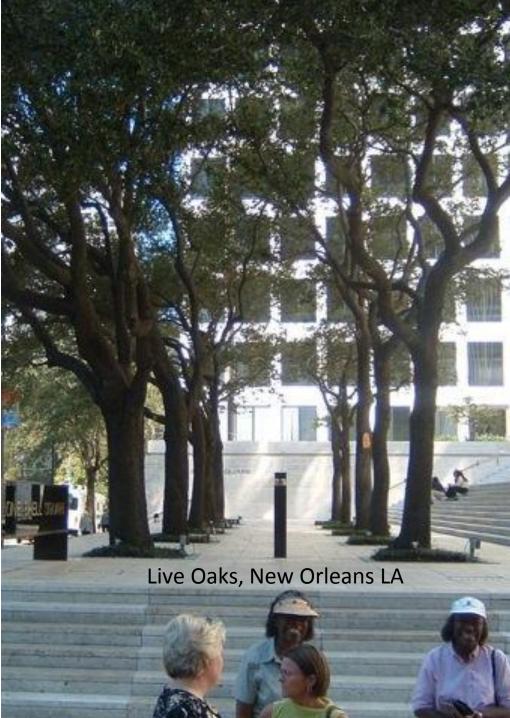
Forest on the talus of the Niagara escarpment



Beech reclaiming a road cut Greenville SC



Study successful trees in extreme urban environments





Spruce monoculture, Alaska east all the way to Siberia



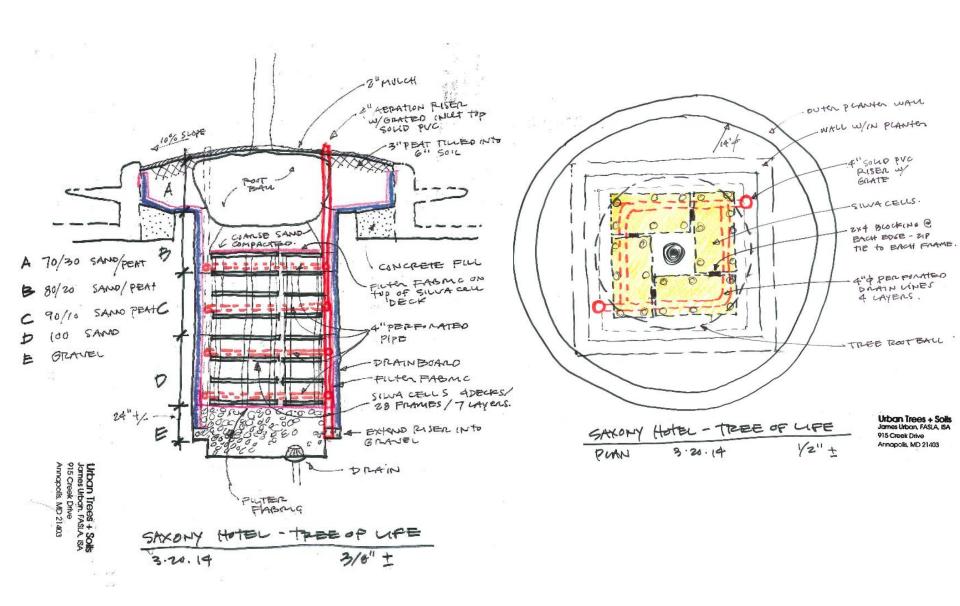




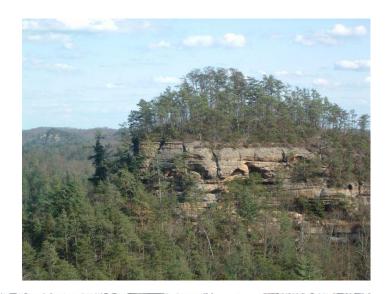


Stilted trees in urban settings





In design - 1200 cubic foot **vertical tree pit** Miami, FL The ultimate **stilted tree**







Forest patch as an urban landscape tree form













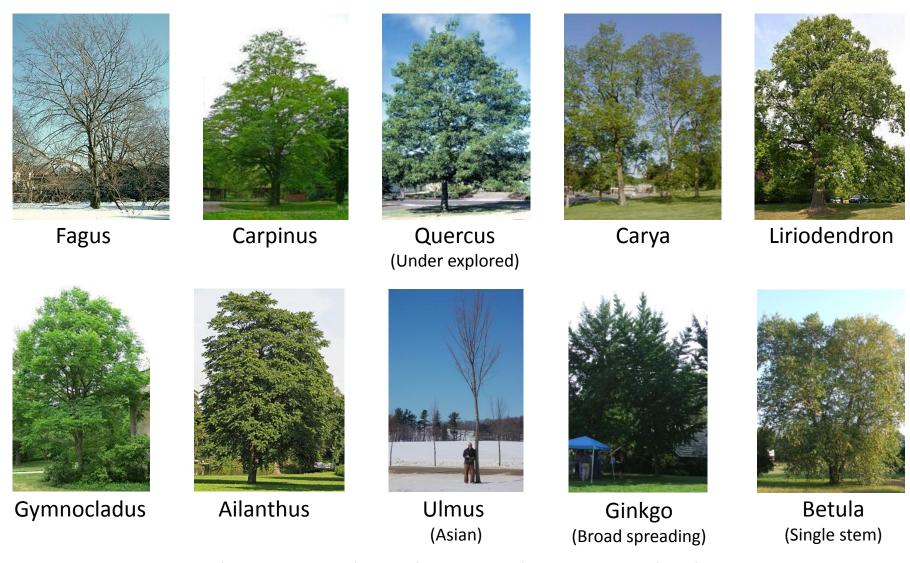
We will learn how to design truly sustainable landscapes and stop giving awards to landscapes that only look sustainable.





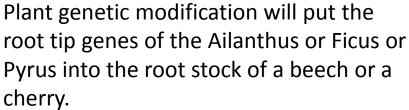


We will have 20 new urban tree genus with a host of new species and cultivars



More genetic work on trees with emphasis on urban stress and soil issues Work strictly on aesthetics aspects of trees will be considered as un-sustainable. We will stop being afraid of non native trees and genetically modified trees!





Genus like Ulmus will be breed to reduce many of its diseases.

We will create new genus









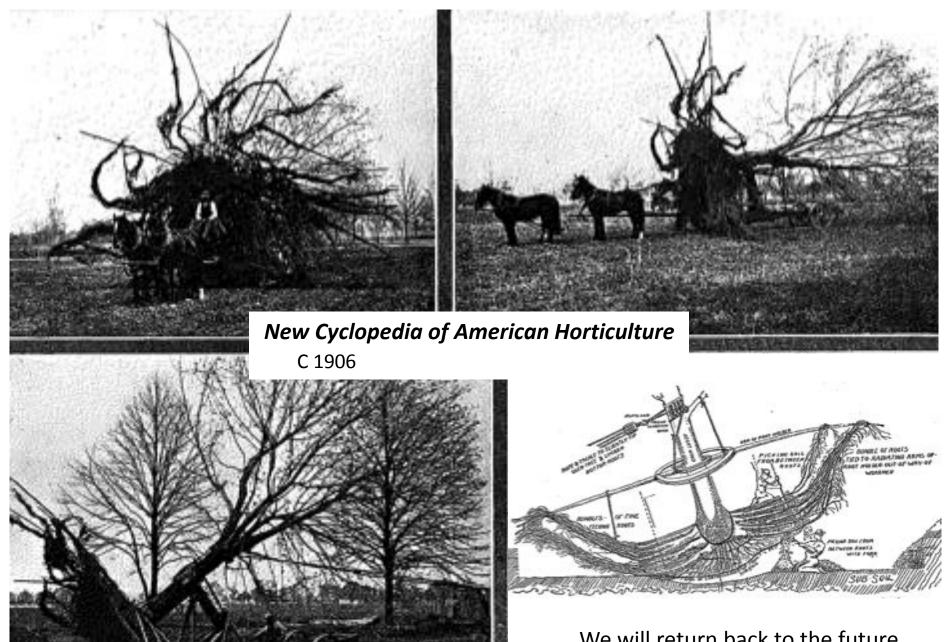
Almost all trees will be planted bare root!

Including very large trees.









We will return back to the future





We will **stop** using screened soil and adding sand to our soil







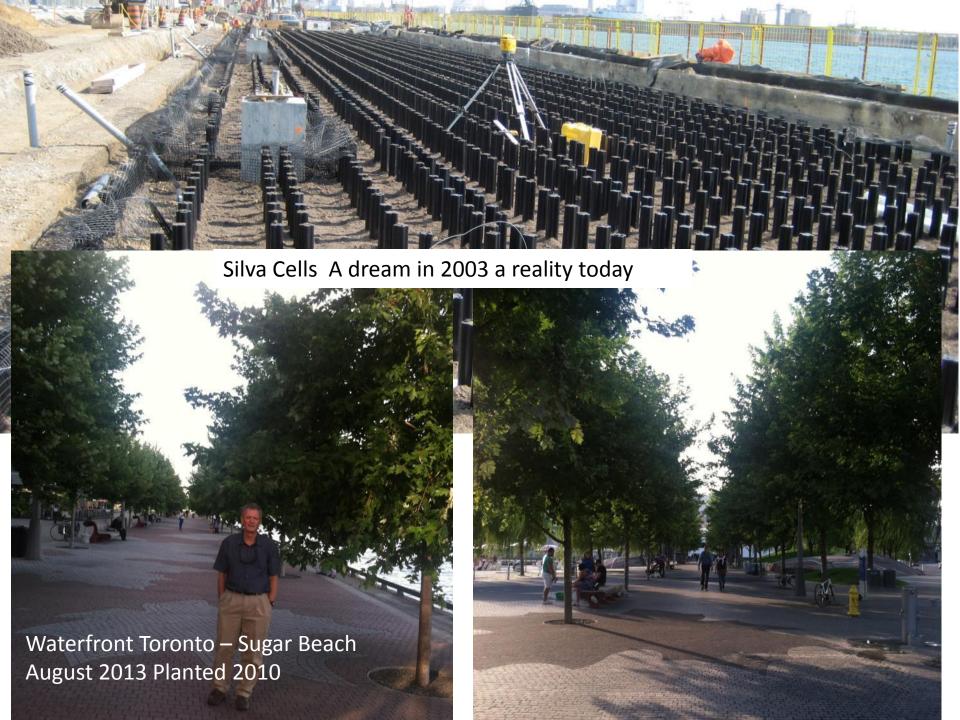




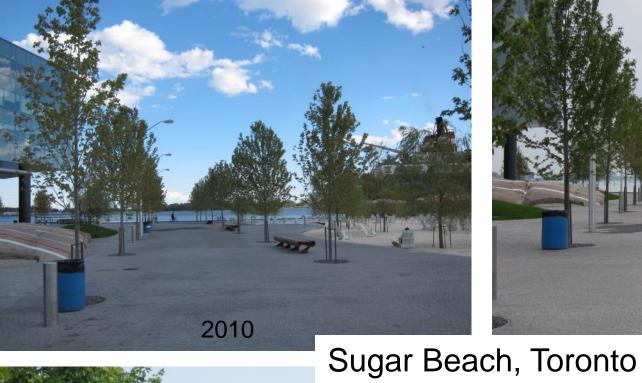
FINALLY: Designers will know and understand how plants grow and die and soils function!

















New MS Word Specifications and dwg Details for:

Planting Soil Irrigation Tree preservation

Urban Tree Foundation 700 East Murray Visalia, CA 93292

559.713.0631

Download

www.urbantree.org

SECTION 32 9100 PLANTING SOIL

PART 1 - GENERAL

1.1 SUMMARY

Note to specifier: Remove parts of this work description that do not apply.

- A. The scope of work includes all labor, materials, tools, supplies, equipment, facilities, transportation and services necessary for, and incidental to performing all operations in connection with furnishing, delivery, and installation of Planting Soil and /or the modification of existing site soil for use as Planting Soil, complete as shown on the drawings and as specified herein.
- B. The scope of work in this section includes, but is not limited to, the following:
 - Locate, purchase, deliver and install Imported Planting Soil and soil amendments.
 - 2. Harvest and stockpile existing site soils suitable for Planting Soil.
 - 3. Modify existing stockpiled site soil.
 - Modify existing site soil in place for use as Planting Soil.
 - b. Install existing or modified existing soil for use as Planting So
 - Locate, purchase, deliver and install subsurface Drain Lines.
 - Fine grade Planting Soil.
 - Install Compost into Planting Soil.
 - 7. Clean up and disposal of all excess and surplus material

1.2 CONTRACT DOCUMENTS

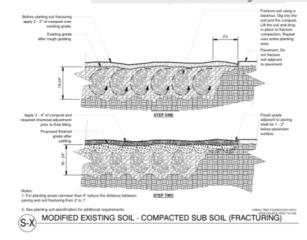
A. Shall consist of specifications, general conditions, and the drawings. The intent of these documents is to include all labor, materials, and services necessary for the proper execution of the work. The documents are to be considered as one. Whatever is called for by any parts shall be as binding as if called for in all parts.

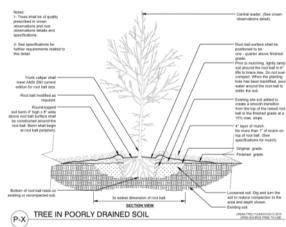
1.3 RELATED DOCUMENTS AND REFERENCES

A. Related Document

Note to specifier: Coordinate this list with the other related specification sections. Add or delete sections as appropriate.

- Drawings and general provisions of contract, including general and supplementary conditions and Division I specifications, apply to work of this section.
- Related Specification Section
 - a. Section Planting





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