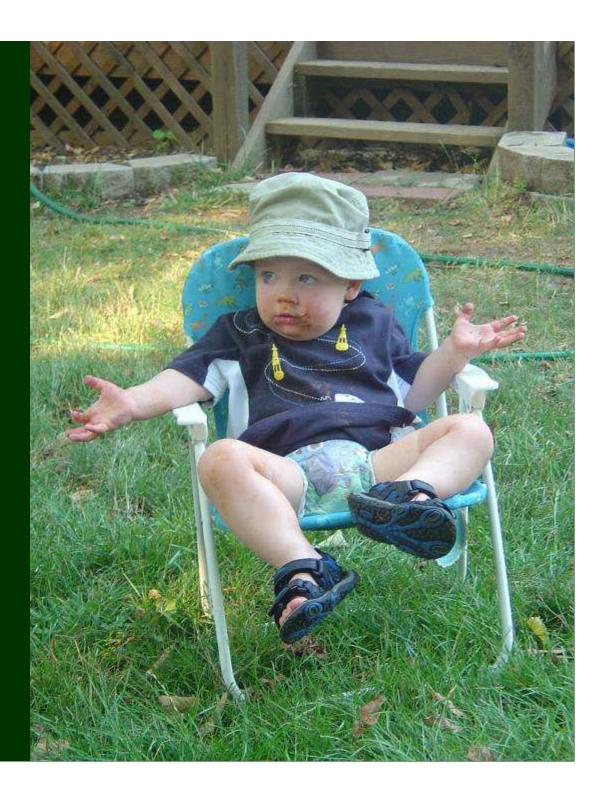
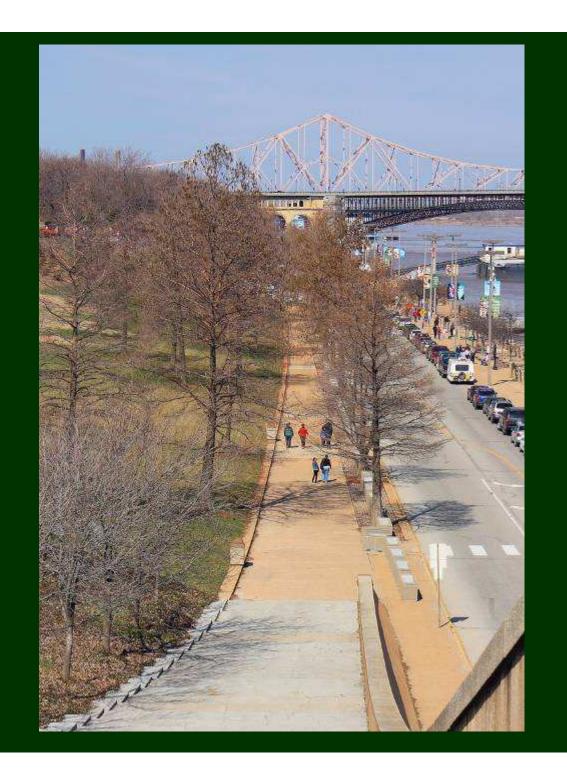
why?







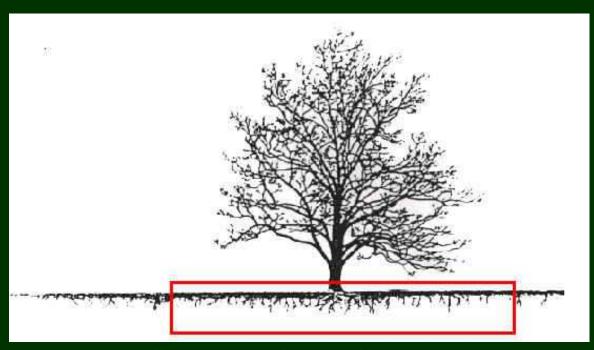




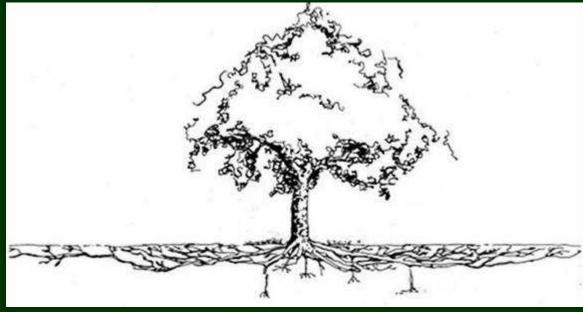
### the effect of soil volume on tree growth



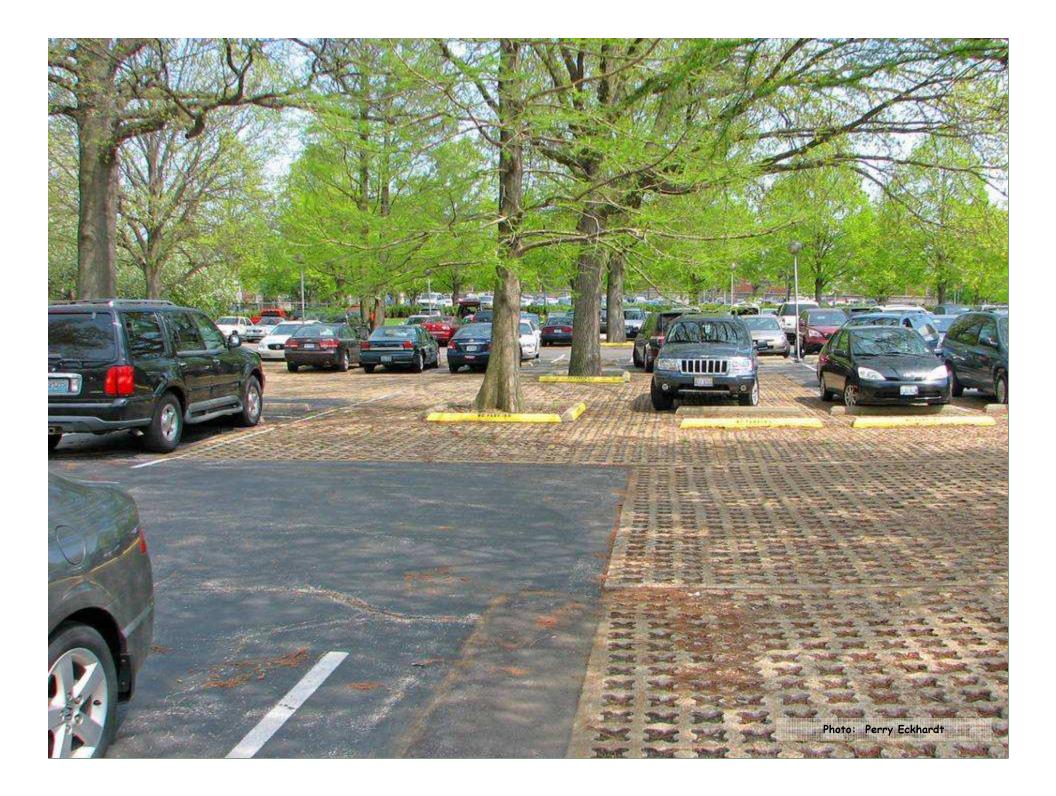
Willow oaks planted at the same time on Pennsylvania Avenue, Washington, D.C. Left, trees in tree pits, right trees in open grassed area.



http://www.broomfield.org/environment/i/tree\_drip\_line.jpg



http://boroondara.vic.gov.au/freestyler/files/generated/tree-roots\_h337.jpg



# Suspending the walk over the soil

- the slabs rest on lateral supports and pilings
- Utilities can be placed in this space for easy access



# Suspending the walk over the soil



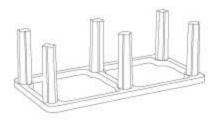
allows soil to be placed loosely in the planting space, promoting good root growth

good root growth translates into healthy trees

## silva cell



### SILVA CELL FRAME



Six rigid vertical posts protrude from the bottom of the frame to support hardscapes along with the weight of any load they carry. The posts have a cross-sectional shape that maximizes axial rigidity while also preventing the posts from telescoping together when the Cells are stacked upon each other. This means that hardscapes supported by the Silva Cell are in no danger of sinking due to compressive forces.

The Silva Cell frame is 48" (1200 mm) long x 24" (600 mm) wide x 16" (400 mm) high.

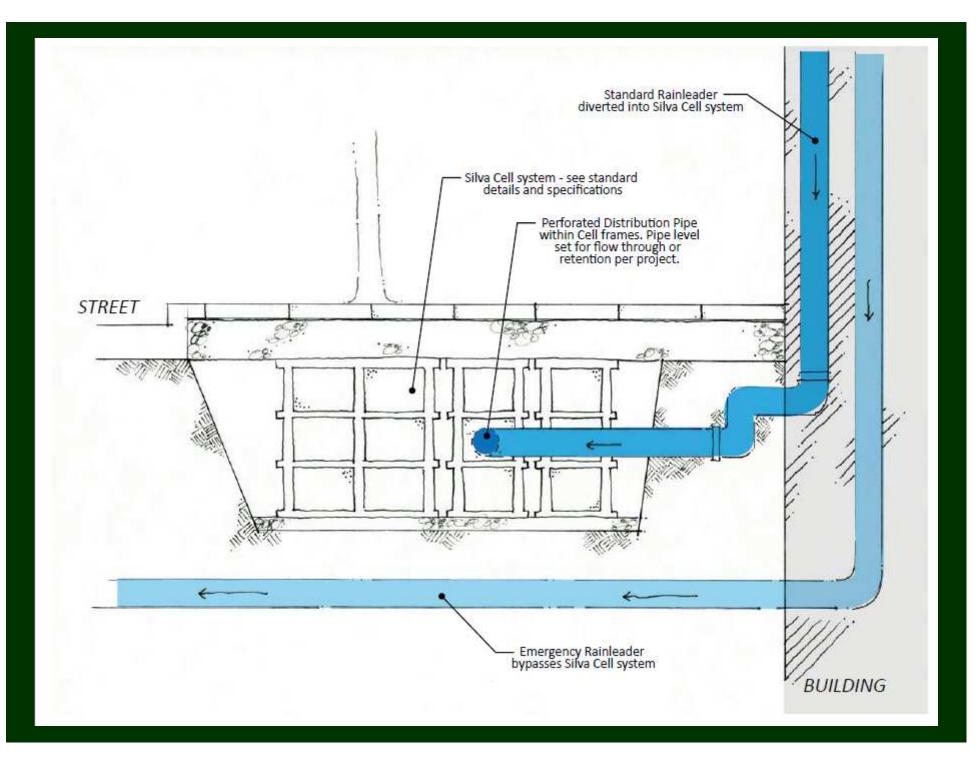
#### SILVA CELL DECK

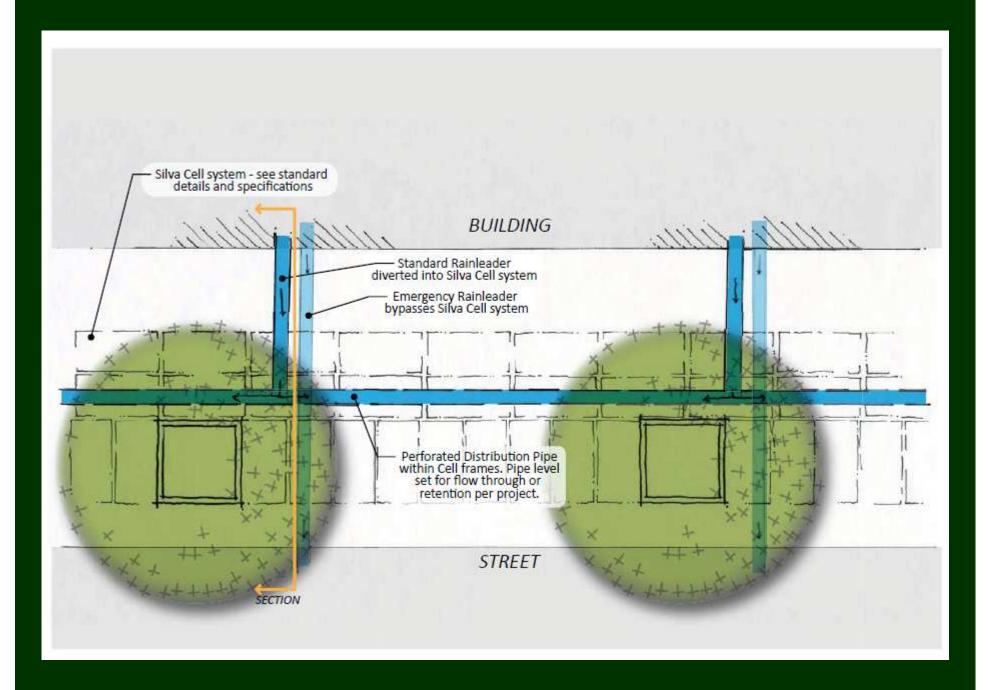


The deck is a rigid platform with six recesses that snap securely on the six posts of the frame. Openings on the deck allow ample room for air and water to penetrate and nourish the enclosed soil. Diagonal channels on the upper portion of the deck house two galvanized steel tubes that prevent deformation of the posts and help eliminate plastic creep.



http://www.deeproot.com/products/silva-cell/applications.html

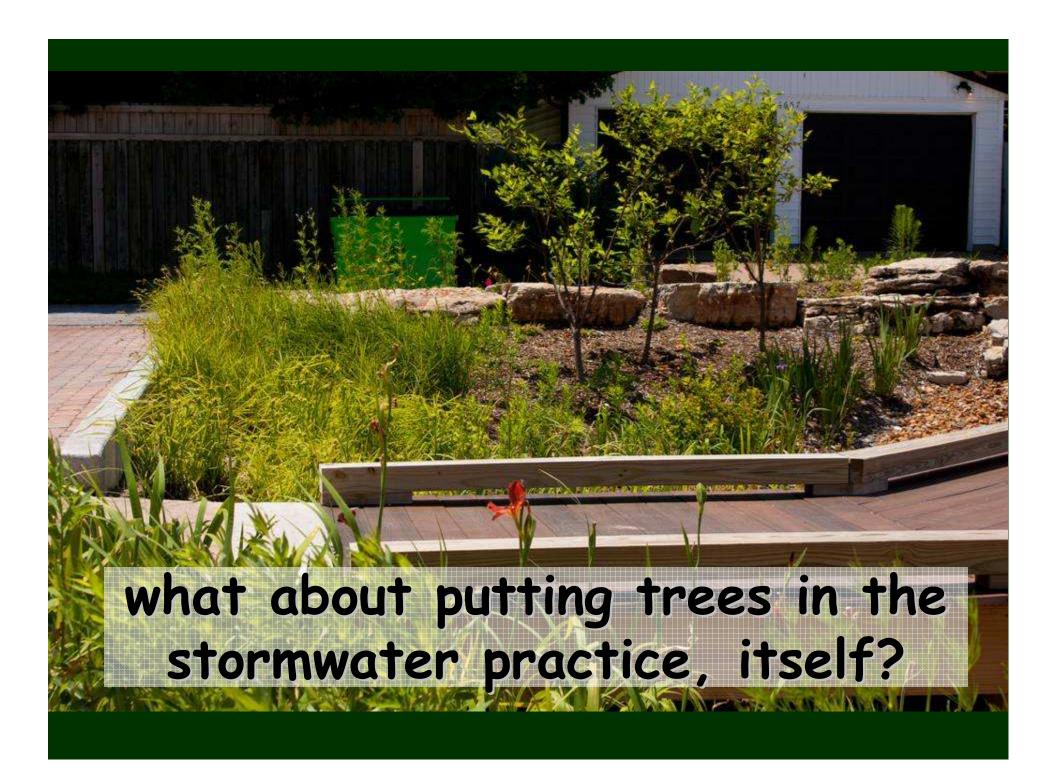
















available above-ground space

