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

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.

Standard Rainleader diverted into Silva Cell system

Silva Cell system - see standard details and specifications

Perforated Distribution Pipe within Cell frames. Pipe level set for flow through or retention per project.

Emergency Rainleader bypasses Silva Cell system
Silva Cell system - see standard details and specifications

Standard Rainleader diverted into Silva Cell system

Emergency Rainleader bypasses Silva Cell system

Perforated Distribution Pipe within Cell frames. Pipe level set for flow through or retention per project.
species characteristics
what about putting trees in the stormwater practice, itself?
engineered soils/dains
maintenance regime: sediment & other pollutant removal
available above-ground space
below-ground space
let's go outside
questions?

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