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StructureZone

Structural Soil is an engineered growing media that provides a base for hard surfaces as well a viable growing media for trees. The extended soil base provides for both load bearing capacity as well as sustainable root growth.

A blend of consistent angular stone with specific growing media and stabilizing compound, StructureZone performs multiple functions. Proven to promote tree health and longevity, foster stormwater management by providing increased area of porous media, and provide the proper base for hard surfaces. Capable of being compacted to 95% Procter density, StructureZone will support paved and concrete surfaces while still allowing for root development.

StructureZone

? Integrating trees and pavement, structural soil is an innovative medium that improves street tree growth while directing roots away from destroying the asphalt.

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Trees planted in this media are less likely to cause issues with surface upheaval. Typically, StructureZone is used for street tree planting or when trees are planted adjacent to parking lots.

Structural Soil is a blended soil designed to bear the load of a pavement while allowing tree roots to grow through it. It's comprised of a specific blend of crushed stone, soil and binding agent; the stone size is set to ensure that each stone touches another, creating a rigid lattice, while the soil almost fills the voids, without being compacted. The roots grow through these soil pockets.

Denbow provides the highest quality aggregates, growing media and the proper stabilizing compound. Along with quality materials that meet specification, we provide you with in-house expertise. Denbow has experience working on municipal, industrial and commercial sites where StructureZone is required.

While we typically deliver in the southern British Columbia region, don't hesitate to contact us for your needs no matter location.

If you have a project with structural soil specified, we'd love to talk about meeting the specification. If you have questions about specifying StructureZone on upcoming projects, please contact our office!
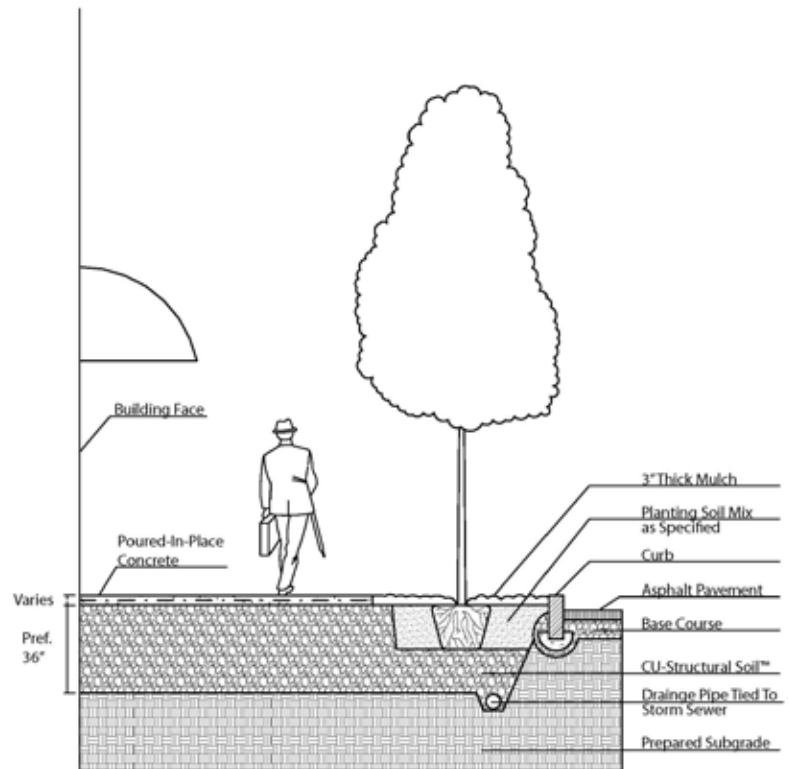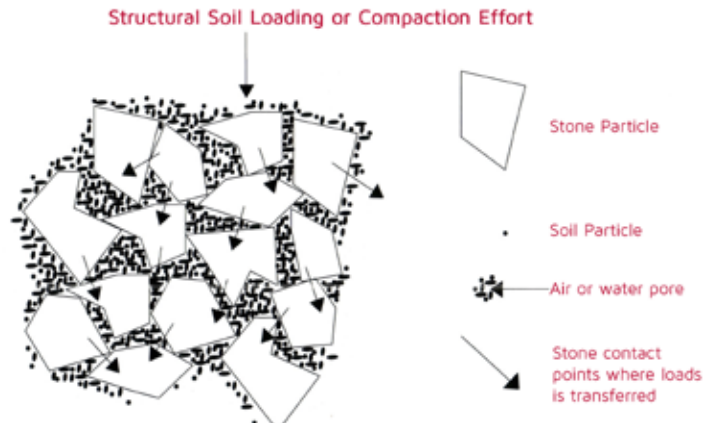

Structural Soil Loading or Compaction Effort

Stone Particle

Soil Particle

Air or water pore

Stone contact points where loads is transferred

Building Face

Poured-In-Place Concrete

Varies

Pref. 36"

3" Thick Mulch

Planting Soil Mix as Specified

Curb

Asphalt Pavement

Base Course

CU-Structural Soil™

Drainge Pipe Tied To Storm Sewer

Prepared Subgrade

Diagram credits: Cornel University

Question? We'll answer!
1-888-933-6269

email
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BLOG