

FROM PARKING LOT TO 3.7 ACRE NEIGHBORHOOD “GREEN” PARK USING **DEEPROOT SILVA CELLS®** Pacific Plaza Downtown Dallas



A Solution to Promote Healthy Tree Growth

The Project

The City of Dallas has installed **180 DeepRoot® Silva Cells®** and **36 trees** at the newly opened **Pacific Plaza downtown park**. Pacific Plaza was originally a parking lot that has been transformed into a 3.7-acre slice of green, providing a welcome refuge for shade in the urban heat island of downtown Dallas.

Pacific Plaza was funded by **Parks for Downtown Dallas**, nonprofit organization whose goal is to establish four new, major downtown parks amid a dense concrete filled district for the benefit of the city.

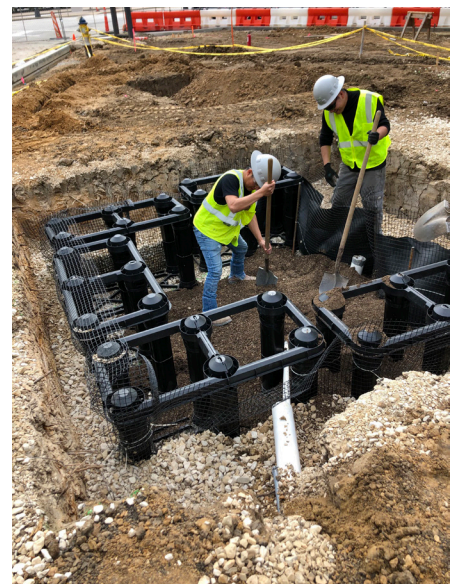
The plans for the \$15 million project called for structural soil to be used under the pathways leading into the heart of the park. **The Beck Group**, whose construction division had previously completed successful projects using the Silva Cells, recognized the advantages of loam soil for tree growth, rather than a rock mix, and proposed substituting the structural soil. **The SWA Group**, the landscape architects of the park, readily agreed to the change in an effort to bring the best possible growing environment for the promenade trees. While the total soil volume available for the trees is less than the ideal goal of 1,000 cubic feet per tree, the application of the Silva Cells presented the best compromise of cost efficiency and meeting the tree health needs.

“At The Beck Group, we understand that by using Deeproot Silva Cells we can remove a large quantity of structural soil and replace it with a smaller quantity of Silva Cells and achieve the same structural requirements above ground, and have much healthier, better-performing trees.” - Jim Shipley, The Beck Group

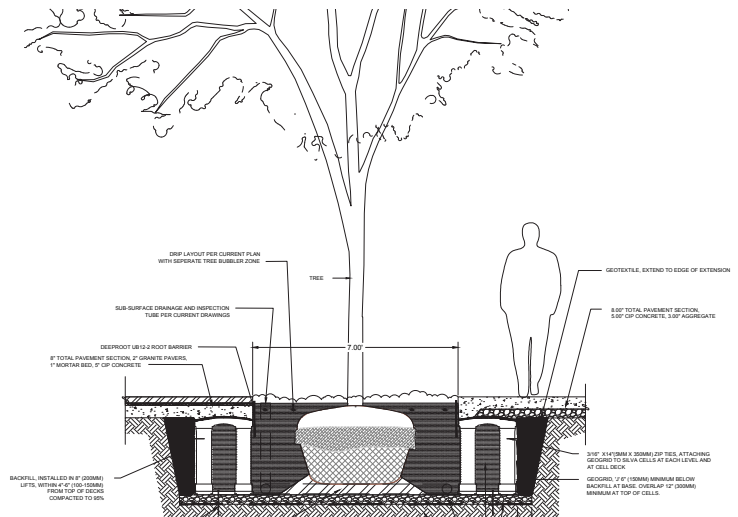
180 DeepRoot
Silva Cells

36 Trees

Tree-friendly, cost-effective solution to structural soil



Pacific Plaza required 36 new trees to be installed using 180 Silva Cells. The non-symmetrical layout of the Silva Cell system was due to the large root ball and circular tree openings. The electrical conduit and drainage pipes were easily accommodated due to the open space within the Silva Cells units and the ability to provide spacing between the units. The flexibility, modularity, and ease of construction of the Silva Cells were evident throughout the installation, and the excavation and haul off quantities of soil were significantly reduced by switching from the proposed structural soil solution.



About DeepRoot

Headquartered in San Francisco with locations in Vancouver and London, DeepRoot has more than forty years of experience helping trees thrive in cities, nurturing over 500 blocks of urban treescape in the built environment around the world.