

Green Infrastructure Project Completion Report

Project C-54d: Downtown Streetscapes: 200 Block of Water Street

DATE: January 2012
Contractor: Davis Wallbridge

Presented herein, for the noted site, is a summary of issues/features related to the design and construction of the project, its current status and project metrics.

Item #1: Stormwater Details and Specifications

- 1A. Silva Cells.** Silva cells were used on the 200 block of East Water Street to provide supplemental soil volume for new trees planted along the street. The goal of Silva cells is to provide more substantive room for the placement of select soil in which to establish root systems. This will allow the trees to grow larger and have a longer lifetime than other trees planted without the Silva cells.

Further Action Needed: The growth and survivability of the trees and other plantings will be monitored in the future to evaluate the use of Silva cells and other soil volume increasing materials for use on future projects.

Item #2: Trees and Plantings

- 2A. Trees and Plantings.** All trees were planted in the fall of 2011 during the specified planting season.

Further Action Needed: Tree survivability will be monitored in 2012 during the one year warranty period. Trees will be replaced under warranty as needed.

Item #3: Unforeseen Conditions

- 3A. Unknown Vault.** During excavation, a large subsurface vault was uncovered that extended from the front of the building to inside of the curb. Upon investigation, it was determined that the vault was an extension of a basement and in active use. As a result, the tree trench was bisected by the vault, leaving two unconnected sections. During excavation a water line into one of the buildings was disturbed and required repair by the Contractor.

Further Action Needed: Known subsurface vaults are marked on all contract documents, and the contractor is required to call Dig Safely NY prior to construction to mark all known utilities. In this situation the Contractor had followed proper protocol and the vault was not shown on City records or the plans. The Contractor completed repair of the water line at no additional cost

Item #4: Public Outreach

- 4A. Save the Rain Website.** The primary public outreach method for this project was the Save the Rain website. The project plans and specifications, plans and fact sheet were uploaded to the website to inform the public of the project and what was taking place.

Further Action Needed: The Save the Rain website will continue to act as the primary public outreach method for all of the Save the Rain green projects. However, targeted outreach will occur in more highly populated and sensitive areas to inform the public of the project.

Project Metrics Summary

Bid Price	\$96,600
Change Order Total (as of 12/31/11)	\$0
Total Project Cost (as of 12/31/11)	\$96,600
Total CSO Reduction	119,000 gallons
Cost per CSO Reduction	\$0.81 per gallon