

Seawall Promenade for SE False Creek

Vancouver, British Columbia
for City of Vancouver and PWL Partnership



The City of Vancouver, British Columbia, and landscape architecture firm PWL Partnership were working on developing a seawall promenade along the waterfront for the new community of South East False Creek. Goals were set for a large tree canopy to provide shade, reduce hardscape temperatures, assist in retention, detention and cleaning of rainwater on-site, and provide a beautiful area for pedestrians.

The seawall promenade is an extension of an existing walkway that winds around all of False Creek. Project goals for 80 healthy trees along the new extension required the use of the DeepRoot Silva Cell, a system capable of holding vast amounts of uncompacted soil, to nourish the trees and allow them to meet the growth potential and life expectancy of the design vision.

The Kestrel Design Group for DeepRoot recommended a two-deep Silva Cell system and adapted the plan to conform to the building phases. More than 5,600 frames were used for the completion of Phase 1 at the South East False Creek promenade, providing 1,585 m³ (56,000 ft³) of soil for the trees.

Installation Summary:

- Number of trees (Phases 1 + 2): 80
- Total soil volume per tree (Phases 1 + 2): 24 m³ (875 ft³)
- Total Silva Cells installed (Phases 1 + 2): 7,000
- Tree species: Easy Street Norway Maple, Forest Green Oak, Emerald Queen Norway Maple, Armstrong Red Maple.

SERVICES WE PROVIDED

- + Silva Cell design and layout
- + Stormwater recommendations
- + Seawall promenade recommendations



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