

Conference

Canada's Premier Stormwater and Erosion and Sediment Control Conference

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HOSTS

Presented by:

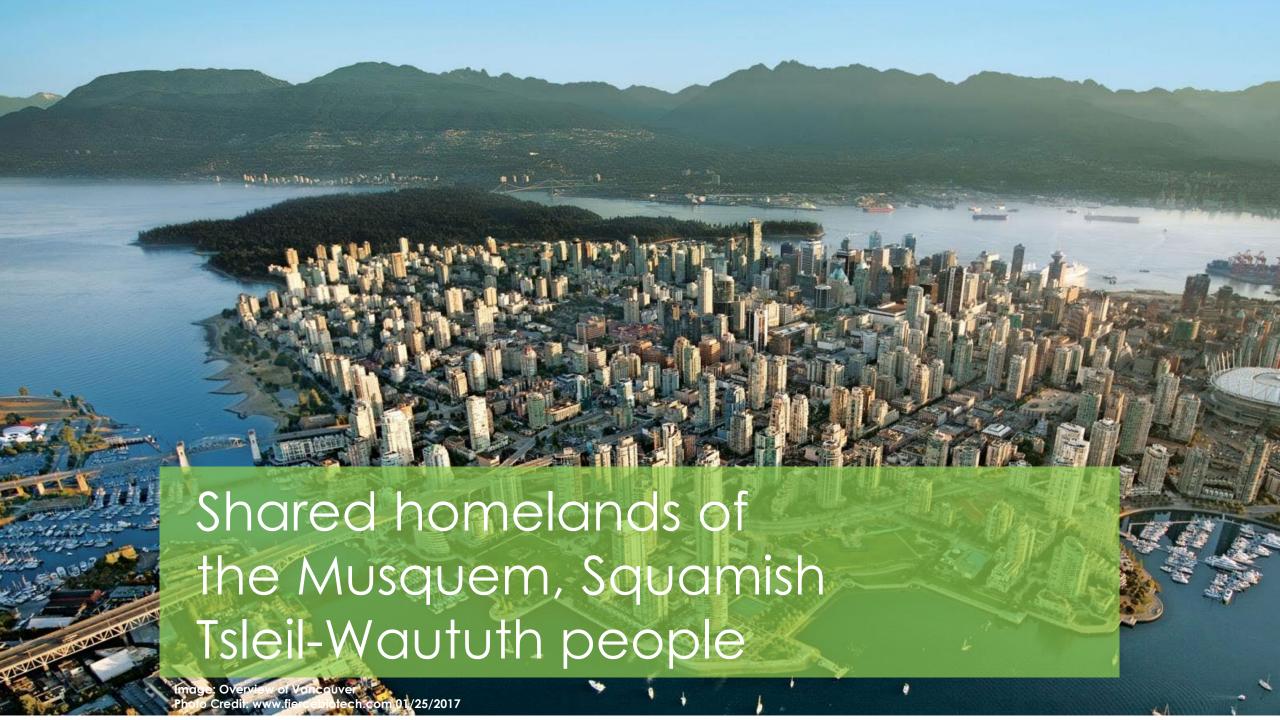


In association with:









Bioretention Ecological Connection

Erosion control Urban Cooling

Ecosystem connectivity biodiversity

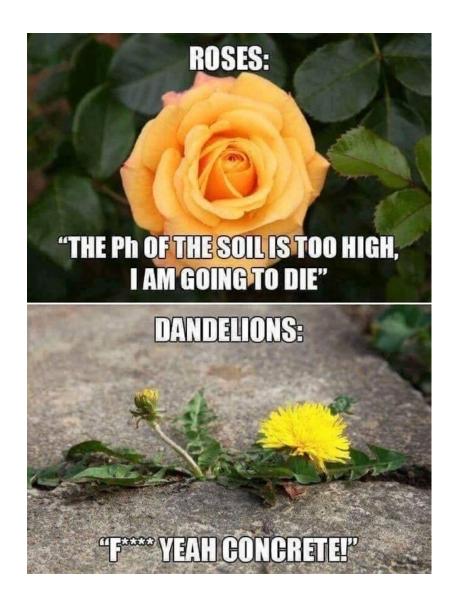
Community Health

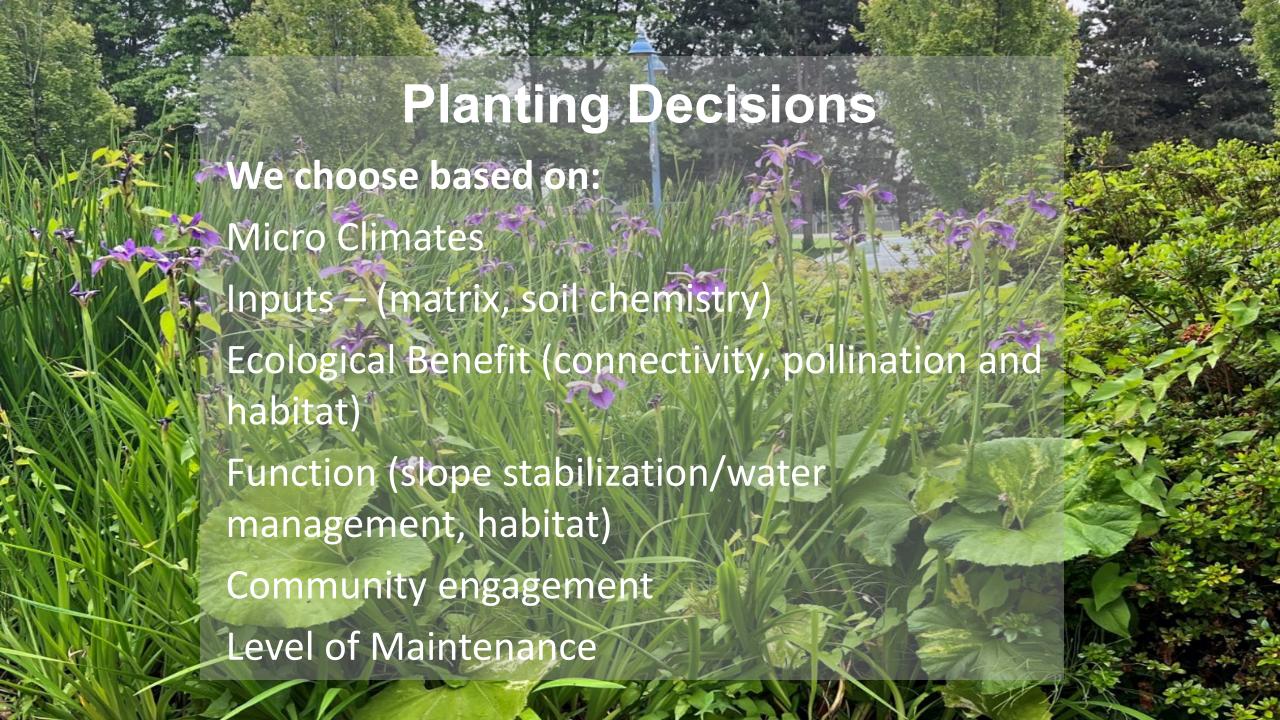
Habitat

Soil stabilization
Sense of place
Soil Food Web

POLLINATION Pollutant Absorption
Soil Moisture Water Filtration
enous cultural meaning

There is No Perfect Plant



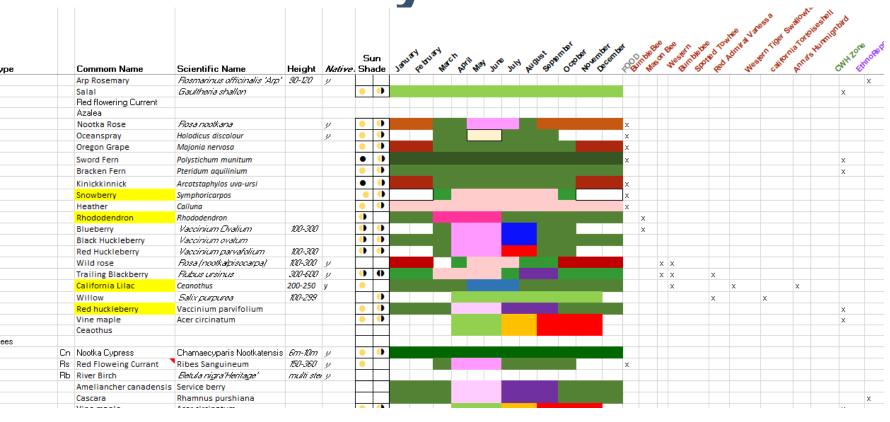




Ecological Value

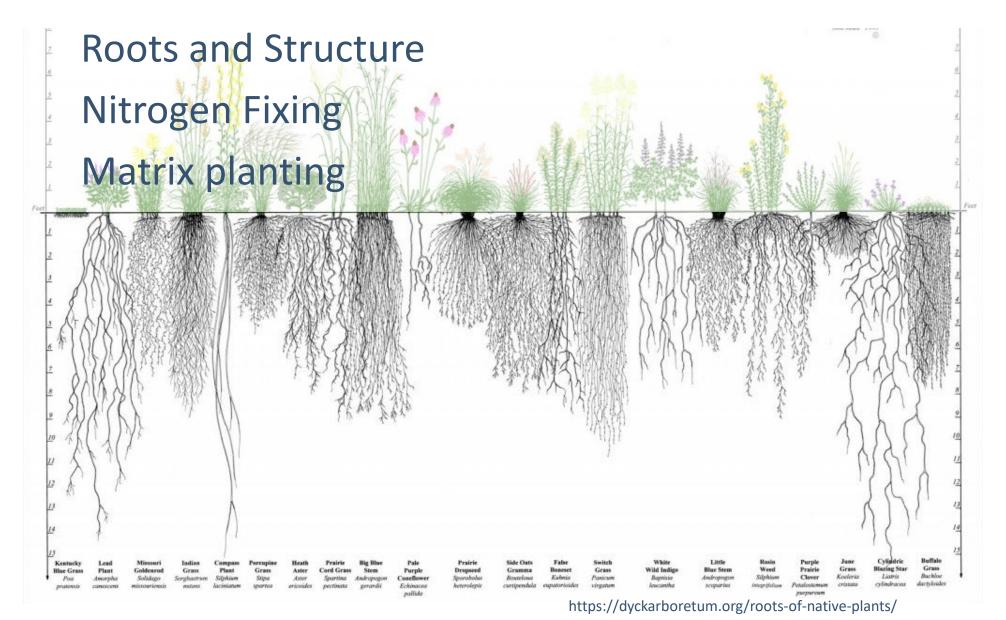
A good butterfly gorder includes a mixture of highly nectorous flowers, crowded inflorescences, and grosses for butterlie's cotupillars. THESE PLANTS ARE SUCH &

Biodiversity and Blooms

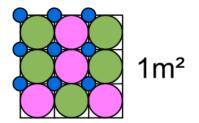




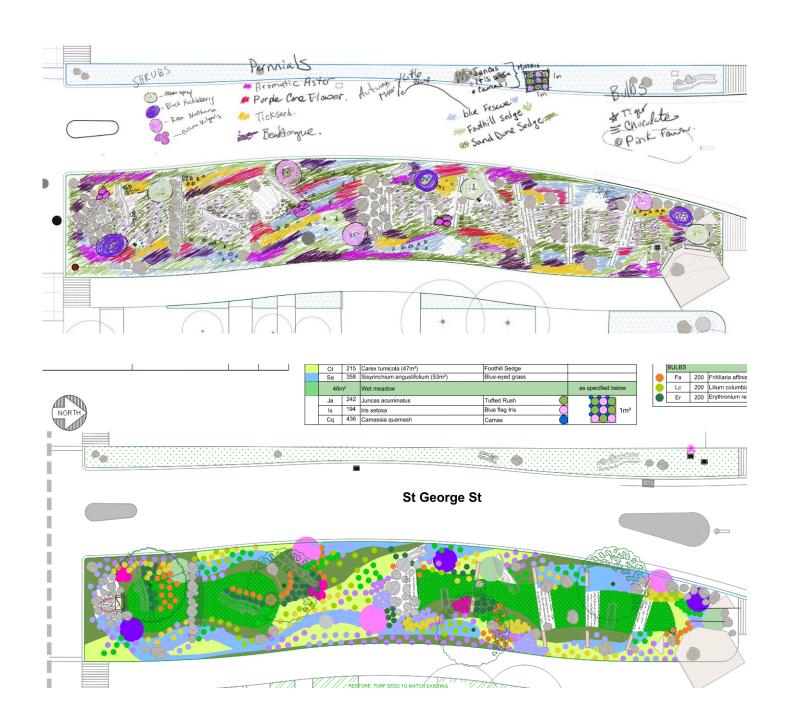
Plant Science



Planting Plans



Matrix



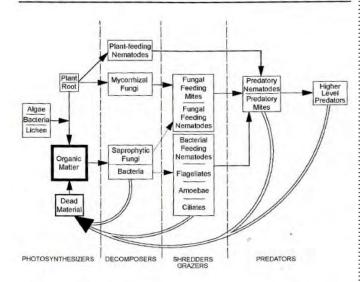


Cycles



So many Cycles at Play

Table 1.3.1. The soil food web. Organic matter moves through the food chain, gradually increasing the complexity and stability of carbon compounds, and producing rich humus at the end. (Source: Adapted from Soil Foodweb)



Soil Food Web

Healthy living soil is full of micro organisms. The web is reliant on continuous flow of decaying organic matter supplied by the trees and plants¹.

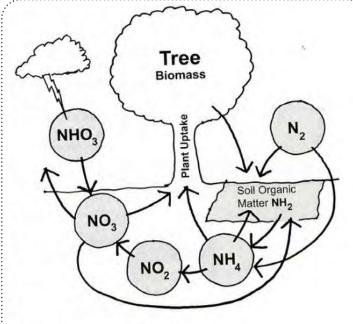


Figure 1.4.3. Nitrogen cycle.

The Nitrogen Cycle

Soil organisms absorb nitrogen from the atmosphere and organic matter to become absorb-able by the plant roots¹.

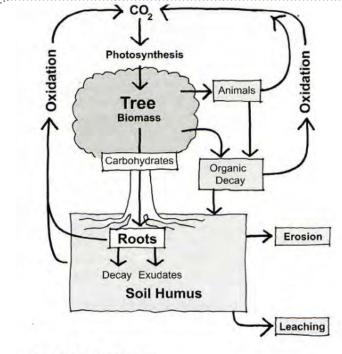


Figure 1.3.3. Carbon cycle.

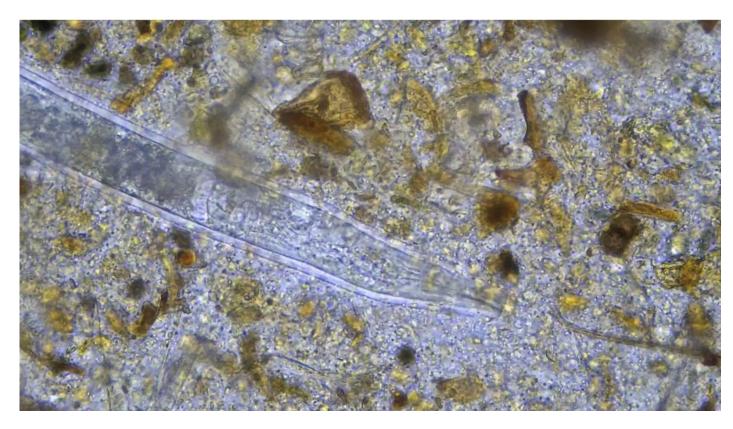
The Carbon Cycle

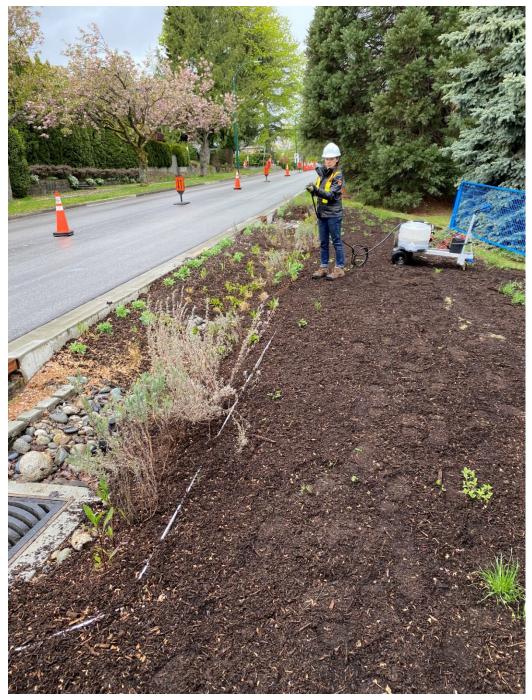
Carbon is the building block of all life forms and is provided to the soil through decaying plants. It feeds the soil organisms¹.

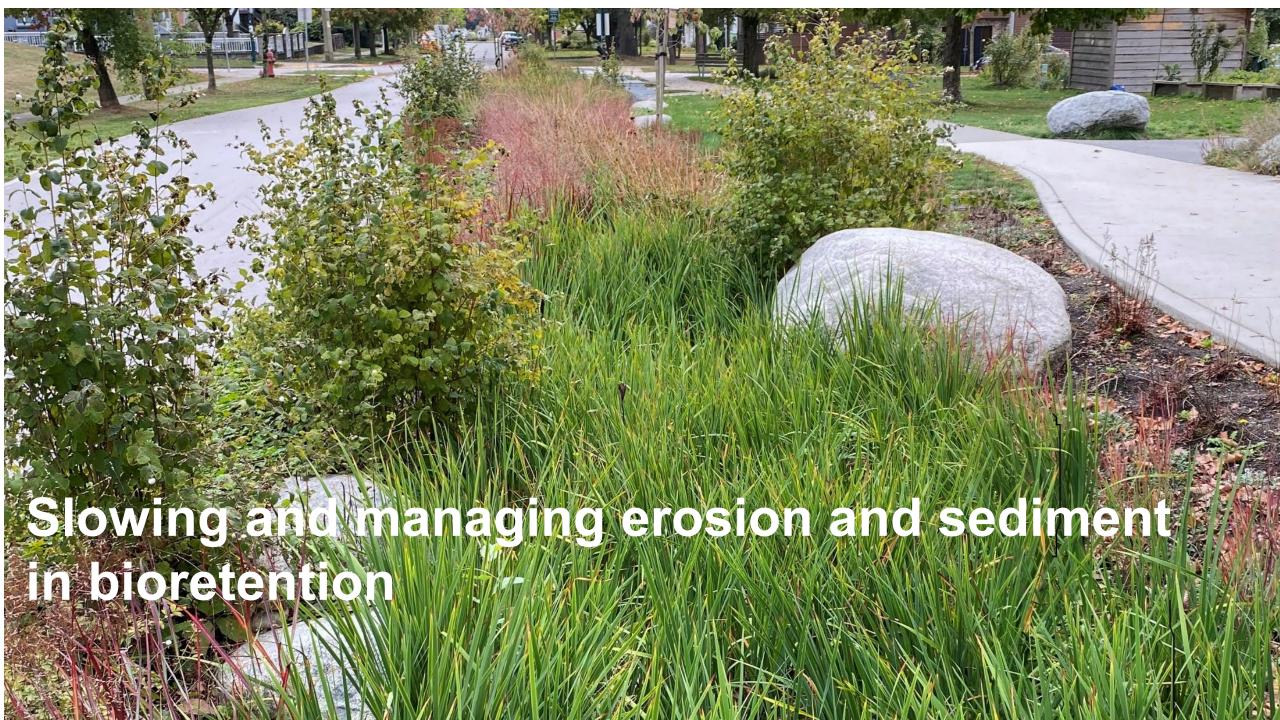




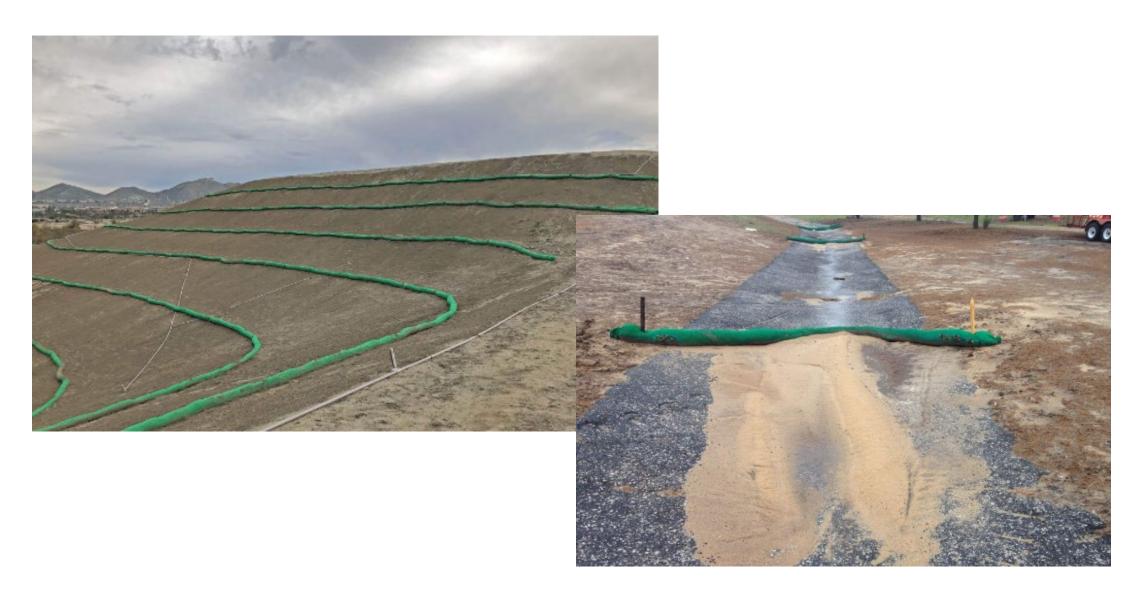
Soil Inoculation







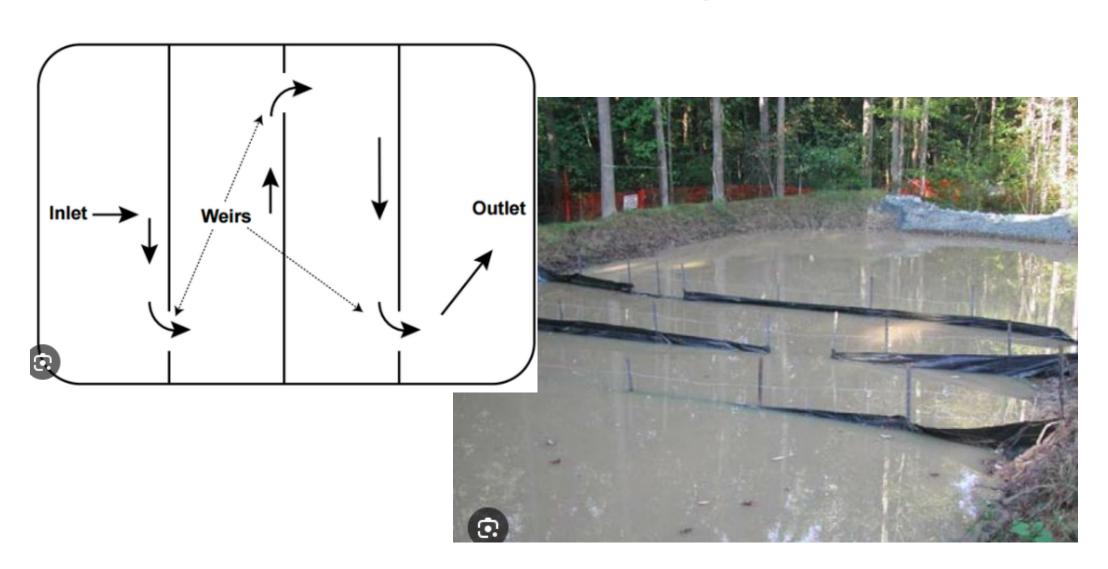
Socks in ESC



Socks in GI



Baffles in Settling Ponds



Sedi Pad Baffle

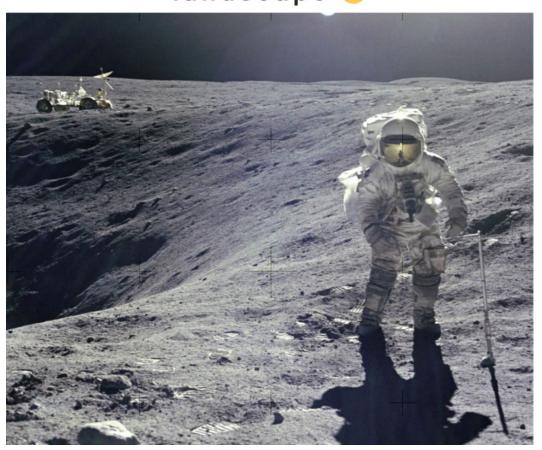


Woody Debris



Maintenance and Management

The ultimate "no-maintenance" landscape 😍



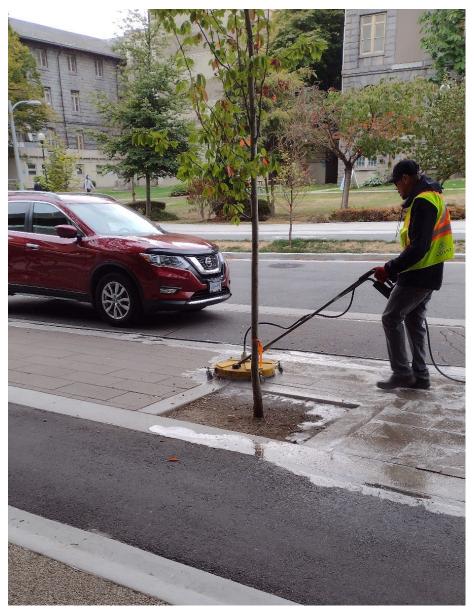


Social Enterprise Procurement

Landscaping with Heart

- Reactive inlet maintenance
- Sediment clearing
- Pressure washing
- Cost effective means of activating low skilled work





Public Engagement



ST. GEORGE RAINWAY

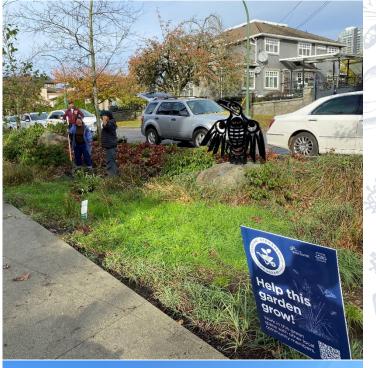
Community Plants | Cast your vote!

Vote for plants that you want to see in the St George Rainway and beyond.

The selected plants will be planted in the Rainway and will be featured in future engagement events and plant giveaways to encourage local gardeners to plant in the wider St George Community.











Seeding Stewardship is a new community support program which empowers community champions to connect with the nature-based solutions in their neighbourhood. Support is provided by joint efforts from the City and Parks through access to tools, knowledge, and in-kind resources.

This program focuses on providing opportunities for connection to land, water, and community through stewardship.











