

## District of Sooke – Regional Innovative Rainwater Management Examples

### Victoria West Elementary School – 750 Front St

Type of Project: **Institutional – School**

RAINWATER MANAGEMENT TECHNIQUES USED:

☐ permeable surfaces

☐ greenroofs

☒ **reduced footprint**

☐ bioswales

☐ roof storage

☐ underground storage

☒ **raingardens**

☐ rainwater harvesting, reuse

☒ **naturescaping or restoration**

Municipality:

Victoria

Public Access:

Permission from office required during school hours

Size:

Not available

Type:

Retrofit

Ownership:

Public – School District 61

Completed:

Fall 2007

#### Rainwater Management Techniques Used:

Raingarden:

Large raingarden with underdrain allows roof water from small rain events to be used as a resource instead of running out to the municipal storm drains.



Naturescaping/Restoration:

Gardens planted with primarily native plant species to increase rainwater interception, evapo-transpiration, and absorption in soils.

Reduced Footprint:

Gardens and amended soils replace approx. 300m<sup>2</sup> of impervious concrete

Location on Site:

Within courtyard

Impervious Area Managed:

Raingarden receives water from approx 250m<sup>2</sup> roof area, Design Storm Used: Soils will absorb volume of a 1 in 5 year storm event

Other Notes:

Raingarden was designed by Vic West students with the aid of Leadership Victoria program members. Goals were to create an outdoor classroom, replace a concrete area with beauty, and manage some rainwater from the roof on site.

Cost:

Approx. \$40,000 including volunteer labour and donations

Funding:

Leadership Victoria, Victoria Foundation, Nature Trust of BC, and tens of other public & private contributors

Awards:

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#### Project Team:

Landscape Architect

- LeFrank Landscape Architecture Ltd., 479-4140

Civil Engineer

- Neal Neate, P.Eng., 477-2206

Sculpture Artist

- Szolyd Development Corporation

Project Managers

- Leadership Victoria [www.urbanraingarden.ca](http://www.urbanraingarden.ca)

