

District of Sooke – Regional Innovative Rainwater Management Examples

Heatherdale Lane – Heatherdale Lane

Type of Project: **Residential – Apartments, Townhouses, Single Family**

RAINWATER MANAGEMENT TECHNIQUES USED:

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> permeable surfaces | <input type="checkbox"/> greenroofs | <input checked="" type="checkbox"/> reduced footprint |
| <input checked="" type="checkbox"/> bioswales | <input type="checkbox"/> roof storage | <input checked="" type="checkbox"/> underground storage |
| <input checked="" type="checkbox"/> raingardens | <input type="checkbox"/> rainwater harvesting, reuse | <input type="checkbox"/> naturescaping or restoration |

Municipality: Saanich
Public Access: No. Private road. Features can be viewed from sidewalk at Elk Lake Road, just south of Royal Oak Drive.
Description: Residential – Apartments, Houses, Townhouses
Size: Several phases
Type: new
Ownership: private
Completed: phased from 2007 - 2008



Rainwater Management Techniques Used:

Raingardens: Three raingardens (52m², 174m², 24m²) receive roof water from many units.
Bioswales: Grassed swales near the apartment building at intersection of Elk Lake Drive and Royal Oak Drive
Porous Paving: Porous pavers in parking areas, sidewalks and driveways
Underground Storage: Detention and infiltration sub-surface using 18 dispersed Emco brand drainage groupings
Reduced Footprint: Narrow roads & short driveways reduce impervious area per housing unit.
Location on Site: Largest raingarden is along interior road, NE corner of site. Note, higher level pond is decorative only.
Impervious Area Managed: Data not available
Design Storm Used: Data not available
Other Notes: Retention of some mature vegetation intercepts rainfall and leaves soils uncompacted.
Cost: Not available
Funding: private
Awards: -

Project Team:

Landscape Architects - Not available
Civil Engineers - Focus Corporation, 474-1151, www.focus.ca; Westbrook Consulting Ltd. 391-8592, C. N. Ryzuk & Associates, 475-3131
Architect - Warner James Architects, 388-4261

