Public Open House

Smuggler’s Gulch
Low Impact Development

November 28, 2012
Rain Garden Elements

Low-Maintenance Rain Garden Palette

- Bottom Area and Low Slopes
- Groundcovers
- Middle Slopes
- Upper Slopes

Source: www.solv.org/
Source: www.soilsforsalmon.org/
Project Goals

- Reduce peak flow rates
- Reduce flooding
- Reduce erosion
- Reduce sediment deposition into Puget Sound
- Reduce degradation of stream channels
- Reduce costly repairs to structures and roadways that are the result of all of the above.
- Improve water quality
- Provide opportunities for education and demonstration.
- Prepare to meet future standards.
- Develop strategy for use in other basins?
- Take advantage of natural systems.
- Replace the natural stormwater mitigation processes provided by the forested environment.
- Preserving the quality of natural waterways by reducing pollutant contamination.

Rain Garden Types

- Ornamental Streetscape Rain Garden
- Native Streetscape Rain Garden
- Woodland Character Rain Garden

Smuggler’s Gulch Rain Gardens - Goals and Rain Garden Types
Rain Gardens by Barker Landscape Architects
Seattle, WA
Gravel Gallery Typical Cross-Section

Street

- Property Line
- Soil Liner
- Perforated Pipe, Discharge to Existing Storm System
- Drain Rock
- Road Subgrade
Smuggler’s Gulch LID Project – Potential Sites

Barker Landscape Architects, P.S.