



# Green Infrastructure & Stormwater Management CASE STUDY

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## Jean Vollum Natural Capital Center (Ecotrust Building)

**Location:** Portland, OR

**Client:** Ecotrust

**Design Firm(s):** Nevue Ngan Associates; Holst Architecture

**Landscape architect/Project contact:** Kevin Robert Perry, ASLA

**Email:** [kevin@nevuengan.com](mailto:kevin@nevuengan.com)

**ASLA Chapter:** Oregon

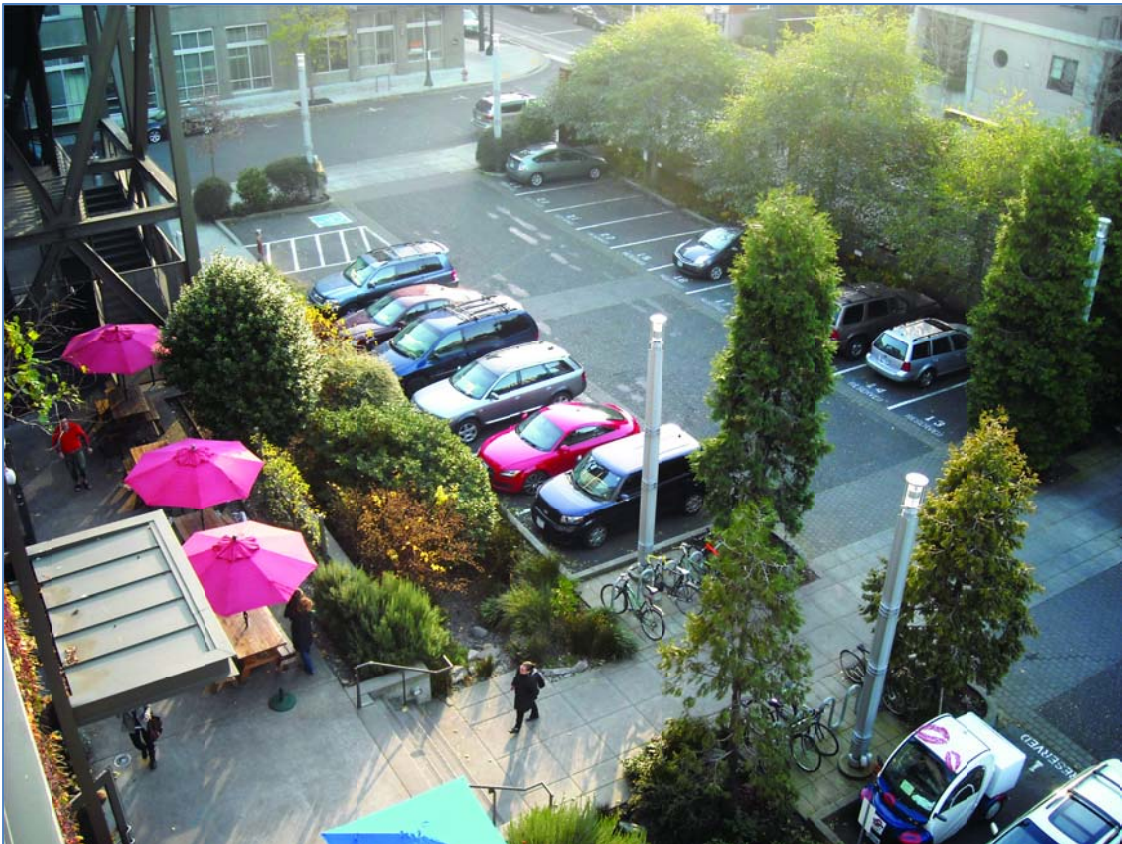


Photo: Kevin Robert Perry, ASLA

### Project Specifications

**Project Description:** Located in the heart of the Portland's Pearl District, the Ecotrust site project combines historic restoration with strong environmental standards, achieving the first gold-rated LEED building in Oregon and the first gold-rated LEED historic restoration in the nation. The project, built in 2001, uses a landscape designed to adapt to urban conditions, treat

stormwater, and minimize landscape irrigation use. All stormwater runoff from the building rooftops and parking lot is captured, cleansed, and infiltrated in a series of landscaped bioswales. The eclectic use of native plantings within the bioswales continues to perform well, while appealing to Ecotrust visitors. The site design has helped earn the project the reputation of being one of Portland's first and finest examples of how stormwater management can be integrated in even the most urban conditions.

**Project Type:**

Commercial

A retrofit of an existing property

**Design features:** Bioswale and porous pavers.

**This project was designed to meet the following specific requirements or mandates:**

State statute, local ordinance, developer/client preference, LEED certification

**Impervious area managed:** 5,000 sq/ft to 1 acre

**Amount of existing green space/open space conserved or preserved for managing stormwater on site:** Less than 5,000 sq/ft

**The regulatory environment and regulator was** supportive of the project.

**Cost & Jobs Analysis**

**Estimated Cost of Stormwater Project:** \$50,000-\$100,000 (Public funding: Local)

**Was a green vs. grey cost analysis performed?** No

**Number of jobs created:** Not available

**Job hours devoted to project:** Not available

Planning and Design: Not available

Construction: Not available

Annual Maintenance: Not available

**Performance Measures**

**Stormwater reduction performance analysis:**

The project manages all of its annual stormwater runoff on-site.

### Additional Information

**Links to images:** Pictures can be available by contacting Kevin Robert Perry at 503-239-0600 or email at kevin@nevuengan.com



Photo: Kevin Robert Perry, ASLA