



SF-Rima - Project Report # 8

Project:

Oregon Natural Resources Council (now: Oregon Wild) Commercial stormwater retrofit – Demonstration project

5825 N. Greeley Ave., Portland, OR

5,750 sq.ft. SF-Rima™
Constructed in 2002

The Oregon Natural Resources Council (ONRC), a non-profit conservation organization, moved to the site in 1996. ONRC was planning a comprehensive site renovation project in 2001 when it received information about the Willamette Stormwater Control Program. ONRC then contracted a landscape architect to develop a proposal to completely disconnect the site from the combined sewer system, managing the stormwater entirely onsite. Environmental Services accepted the project into the Program in 2001.

ONRC viewed the project as an opportunity to enhance the site renovation project to better exemplify the sustainability goals of its mission. It wanted to provide an example of the environmental benefits associated with on-site stormwater management, and save money on its stormwater utility bill.



Project Scope:

- Remove all existing asphalt
- Install 5,500 sq.ft. SF-Rima for parking lot and 250 sq.ft. for patio
- Install a 1,700 gallon rain harvesting system to provide irrigation water

- Construct a landscape infiltration basin to manage roof runoff and any overflow from the permeable pavement
- Re-route all roof runoff to landscape areas

Notable Features:

- The entire site has been completely disconnected from the combined sewer system.
- The project includes two relatively new technologies – a rain harvesting system and permeable paving stone system.
- The large infiltration basin is integral to the landscaping at the building entrance.



The project provides an example for others interested in similar projects. In addition to being an important educational tool that advances the City's interests in sustainable site design, the project provides important lessons about the challenges of integrating new technologies given the existing City codes.

Information copied from the internet. Please read the entire 13-page report, which also includes budgeting items, construction, maintenance, monitoring, and successes under www.portlandonline.com/shared/cfm/image.cfm?id=78292

Pictures provided by Clark Williams, Willamette Graystone

SF-Rima™ manufacturer:
Westcon (now Mutual Materials in BC)