



Green Infrastructure & Stormwater Management CASE STUDY

Headwaters at Tryon Creek

Location: Portland, OR

Client: Jim Winkler

Design Firm(s): GreenWorks, P.C.

Landscape architect/Project contact: Mike Faha, ASLA

Email: info@greenworkspc.com

ASLA Chapter: Virginia

Project Specifications

Project Description: This project, which comprises single-family townhouses, multifamily housing and senior housing, minimizes stormwater runoff by "daylighting" a historic creek and surrounding it with plantings and engineered rain gardens that filter and absorb runoff before it can reach the city sewer system while providing residents with an attractive waterway that runs through the development. The LA worked with the city to continue the daylighted creek through public property until the water flow reaches a nearby tributary of the Willamette River. For a more detailed description of the project, please see the article by Mary H. Cooper Ellis in the May 2009 issue of Landscape Architecture Magazine.

Project Type:

Multifamily residential

Part of a redevelopment project

Design features: Bioretention facility, rain garden, bioswale, green roof, porous pavers, and curb cuts.

This project was designed to meet the following specific requirements or mandates: Not applicable

Impervious area managed: 1 acre to 5 acres

Amount of existing green space/open space conserved or preserved for managing stormwater on site: 5,000 sq/ft to 1 acre

The regulatory environment and regulator was supportive of the project.

Did the client request that other factors be considered, such as energy savings, usable green space, or property value enhancements? No.

Cost & Jobs Analysis

Estimated Cost of Stormwater Project: \$1,000,000-\$5,000,000 (Public funding: None)

Related Information: Pricing is an estimate. Please contact the landscape architect for prices and other information requested below.

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

Additional Information

Links to images: <http://www.portlandonline.com/bes/index.cfm?a=299240&c=45407>

Landscape Architecture Magazine, May 2009