## SEATTLE GREEN, INFRASTRUCTUR INNOVATION

**CASE STUDY SERIES** 

#### **Street Edge Alternatives** 2001 (SEA Streets)

2nd Avenue NW between NW 117th and 120th Street

#### **PERFORMANCE SNAPSHOT**

- Achieved a 99% reduction in stormwater runoff volume.
- Uses 11% less impervious surface than an average neighborhood ٠ street in Seattle.

#### **GREEN INFRASTRUCTURE TECHNOLOGY TYPES**





# **Bioretention**



**INNOVATION HIGHLIGHTS** 



This project was the first full right-of-way reconstruction in the United States, which worked to manage an entire roadway with Green Stormwater Infrastructure (GSI). The redesigned street mimics how the natural landscape functioned prior to development, and features a narrowed 14-foot wide winding roadway lined with wide bioretention cells.



Providing a green and inviting walking environment for the community, this project also calms automobile traffic while increasing pedestrian, bicycle, and vehicle safety.



Extensive community participation guided the design of this project and helped determine its goals, involving both municipal and residental groups.

Community Engagement









**PROJECT DETAILS** 

IMPERVIOUS SURFACE MANAGED	100,188 sq. ft.
DRIVER	Water Quality Treatment of Polluted Stormwater and Flow Reduction to Piper's Creek
OWNER	Seattle Public Utilities
FUNDER	Seattle Public Utilities
GREEN INFRASTRUCTURE COST	\$850,000
PROJECT TEAM	Seattle Public Utilities, Seattle Department of Transportation, Gary Merlino Construction Co.
MAINTAINED BY	Seattle Public Utilities

### MORE INFORMATION

http://www.seattle.gov/util/EnvironmentConservation/Projects/Green-StormwaterInfrastructure/CompletedGSIProjects/StreetEdgeAlternatives/index.htm

