## **Sustainable Stormwater Management Green Solutions**

**TECHNOLOGY USED:** 

Stormwater Swales and Planters

ciation worked with Environmental Services to develop innovative

sustainable stormwater solutions at New Seasons Market.

ustainable stormwater management integrates stormwater into building and site development. Disconnecting the flow from the storm sewer system and directing runoff to more natural systems reduces the amount of runoff by allowing water to soak into the ground, and filters pollutants before stormwater reaches our rivers and streams. New Seasons Market and the neighborhood asso-

working for and a livable,

Partners with Services are **New Seasons** and Innovative Wet Weather **EPA Grant** 

> This project addresses three primary Sustainable Stormwater Management objectives.

Interconnected stormwater swales

stormwater runoff from the build-

ing's rooftop, outdoor plaza and

parking lot. Three stormwater planters within a 6-foot planting

strip between the sidewalk and

street curb slows and filters runoff

from Division Street. Stormwater from a roof downspout showers a

**Project Scope** 



▲ Seven Corners New Seasons Market stormwater planter

- **1** When the vegetation is established, the design has the potential to remove about 1,000,000 gallons of stormwater runoff from the combined sewer system annually. A preliminary design without this attention to stormwater removed only 1,000 gallons.
- 2 The design takes advantage of landscape spaces for managing runoff as a resource rather than a waste. Instead of flowing into a sewer pipe, rainwater flows into the landscape.
- 3 The design reduces total hard (impervious) surface, increasing landscape space for stormwater management, trees, and other vegetation. This will also reduce stormwater management charges, which are based on impervious surface area.

This project reduces impacts on Portland's sewer system, aesthetically enhances the neighborhood, provides high quality improvements to the property owners, and improves air and water quality.

## For More Information:

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