



# Spokane Urban Runoff Greenways Experiment

## BROADWAY AVENUE from Elm Street to Oak Street

### The Project

Low Impact Development (LID) "Storm Gardens" are planters between the curb and sidewalk that will capture, treat and infiltrate runoff. Pervious sidewalk, trees and plants will be other parts of the stormwater management system.

### The Benefits

- ▶ Reduces contaminants to the Spokane River from runoff and CSO (combined sewer overflows)
- ▶ Improves operation of the City's sewer system by removing runoff
- ▶ Increases urban green space, moderates summer temperatures, and improves air quality with plants and trees
- ▶ Provides a low-cost alternative for stormwater treatment and may reduce storage requirements for combined sewer overflow facilities
- ▶ Set the standard for Spokane's green infrastructure



City of Spokane  
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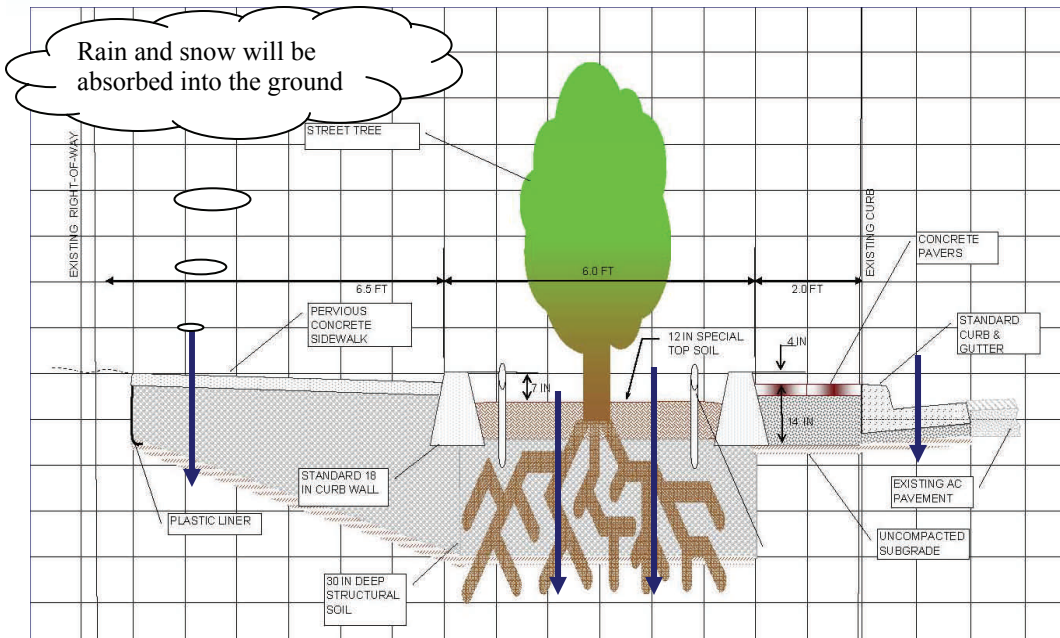
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## The Storm Garden



**Capture**—Planters along Broadway Avenue will capture the stormwater runoff from the street.

**Storage**—The water will be absorbed by the plants and trees, or stored in the ground, or stored above ground during large storms.

**Infiltration**—The water collected in the planters and through the pervious sidewalk will seep into the ground. The treated water will eventually recharge our aquifer.

**Treatment**—The plants and soil filter pollutants as the water moves through them. Plants can use the nitrogen and phosphorus for growth.

**Overflow**—If the planters are too full to allow more water to flow into them, then the stormwater will flow into the existing catch basin, as it does right now.

### What is LID?

Low Impact Development, or LID, is a stormwater management strategy that aims to capture and treat stormwater as close to where it falls as possible. The results are spread out facilities, like Storm Gardens, that imitate nature.

### A STORM GARDEN?!?

A *Storm Garden* is a stormwater management LID facility for the Inland Northwest. Storm gardens, like rain gardens, are planted depressions designed to allow stormwater runoff from impervious areas like roofs, driveways, sidewalks and roads the opportunity to be absorbed into the ground. Plantings for storm gardens are suited for our drier, colder climate.

### What Are the Next Steps?

- Comments from the property owners and neighborhood group
  - Complete design concept
  - Agreements with property owners
  - Design completion
    - Construction