Sustainable Stormwater Management

Green Streets

TECHNOLOGY USED: **Stormwater Curb Extensions**

working for clean rivers, healthy watersheds, and a livable, sustainable community

Urban stormwater runoff pollutes rivers and streams and contributes to combined sewer overflows (CSOs) to the Willamette River. Portland is building sustainable street projects around the City to reduce the negative impacts of stormwater runoff. Green Streets mimic natural conditions by managing runoff on the surface and at its source.

Landscaped Stormwater Curb Extensions: Historically Portland has built curb extensions to improve pedestrian safety. A new variation called a stormwater curb extension is landscaped with plants that help filter pollutants from stormwater runoff. They have similar benefits to the conventional curb extension but they also improve water quality, reduce stormwater flow, and look good.

NE Siskiyou Green Street stormwater curb extension

A Case Study: The NE Siskiyou Green Street Project is a good example of how landscaped stormwater curb extensions are integrated into the street system. Environmental Services built the landscaped extensions in the parking zone on each side of Siskiyou just above the storm drain inlets. Stormwater flows into the landscaped area, slows down and soaks into the ground while wetland plants filter pollutants. Any water that overflows the landscaped areas enters the storm drain inlets. The curb extensions reduce the amount of stormwater that flows off Siskiyou Street into the combined sewer system.

Environmental Services worked closely with residents during design and construction. Construction took two weeks and cost $15,000. The project is located on NE Siskiyou between 35th Place and 36th Avenue.

For design information see the back of this sheet.

For More Information:
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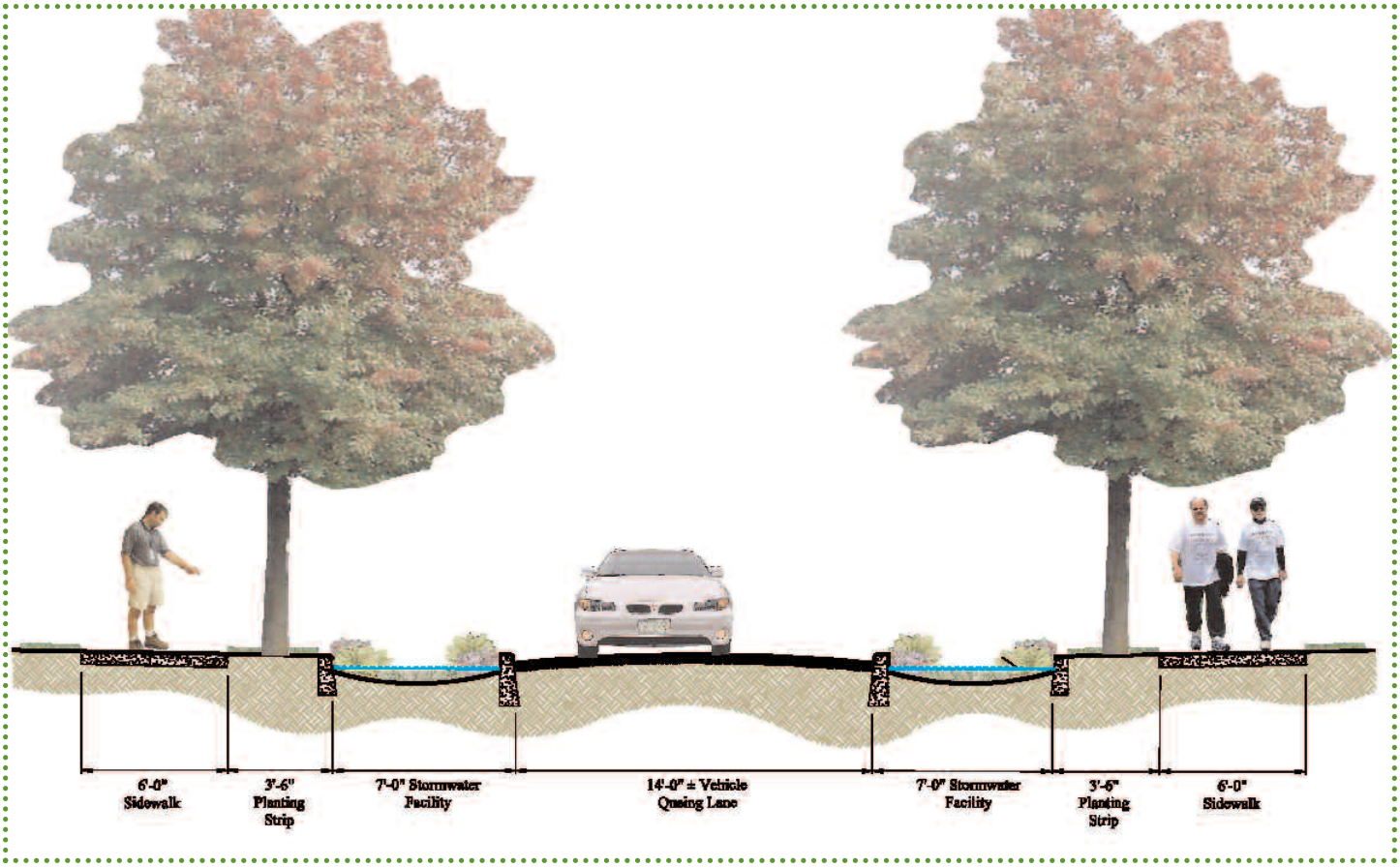
ENVIRONMENTAL SERVICES
CITY OF PORTLAND
working for clean rivers

Dan Saltzman, Commissioner
Dean Marriott, Director



Typical Section of NE Siskiyou Street

Plan view of NE Siskiyou Street

Stormwater slows as it enters the landscape area, water soaks into the ground, and wetland plants filter pollutants.

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