

Sustainable Stormwater Management for Clean Rivers

SE 12th and Clay Green Street Project



Green Street Project Area Map

Green Streets capture stormwater runoff and allow it to soak into the ground while soil and vegetation filter pollutants. Green Streets also make attractive streetscapes that connect business districts, neighborhoods, parks and schools. They are designed to accommodate the diverse traffic needs of cars, trucks, pedestrians and bicyclists.

The city installed Green Street facilities at SE 12th and Clay (the yellow star on the map) as part of a larger project to create a safer route to the Willamette River along SE Clay Street for inner southeast Portland neighborhoods and businesses. The SE 12th and Clay project incorporates pedestrian and bicycle improvements, and sustainable stormwater management.

Stormwater Management

Three landscaped curb extensions at SE 12th and Clay collect



12th and Clay curb extensions

stormwater runoff from the street. Stormwater enters the landscaped area, slows down and soaks into the ground. During very heavy rain, some stormwater will overflow the curb extensions into the storm drain. Together, the three stormwater curb extensions manage 74,000 gallons of stormwater annually that would otherwise flow to the combined sewer system.

Pedestrian Enhancements

Curb extensions improve pedestrian safety by providing a shorter crossing distance and increasing visibility for pedestrians and drivers. The city also installed a striped cross walk at SE 12th and

Bureau of
Environmental
Services

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Transportation

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Maintenance



Clay as an additional safety measure. The intersection is one of the busiest, unsignalized crossings along the Clay route.

Bike Striping and Rack

The Portland Office of Transportation is testing new bike lane striping that makes cyclists more visible to motorists, gives cyclists better sight lines, and decreases their crossing distance. The city installed a new bike rack at the southeast corner of 12th and Clay at the request of the neighboring business owner.

Partnerships

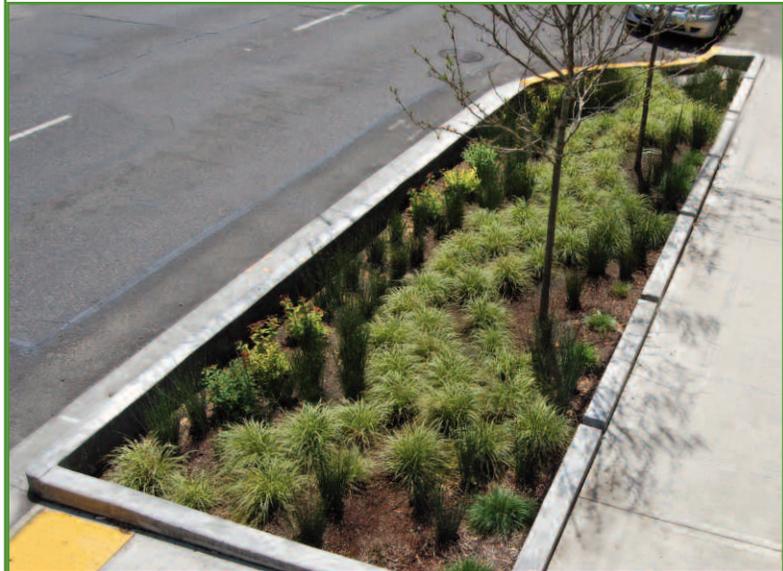
This project was a cooperative effort among the Portland Bureau of Environmental Services, Office of Transportation, and Bureau of Maintenance. Inner southeast city neighborhoods support the project because it improves the safety and appearance of the street.

How Green Streets Work

Plant roots and soil bacteria in green street facilities help break down stormwater pollutants. Roots, insects and worms increase the space between soil particles and increase stormwater storage.



Bike Lane



Plants at Work

For More Information

www.portlandonline.com/sustainablestormwatermanagement

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