1) PSU - SW 12th & Montgomery Street Planters
2) NE 35th Place & Siskiyou Street Curb Extension Swales
3) NE 131st Avenue and Fremont Street
4) Glencoe Rain Garden
5) SE Division Street – New Seasons
6) West Moreland Pervious Pavers
7) N Gay Avenue Pervious Asphalt & Concrete

Green Streets Tour Map

April 2006
Green Street Guiding Principles

1. Manage stormwater runoff both at the source and the surface.
2. Use plants and soil to slow, filter, cleanse, and infiltrate runoff.
3. Design facilities that aesthetically enhance the community.
1. Portland State University Street Planters

Managing stormwater runoff from the street through vegetated planters for flow and water quality benefit.

SW 12th Avenue

West Hall
In partnership with Portland State University, BES transformed this site into an attractive stormwater facility. 

Estimated cost = $33,000  
This cost includes street and sidewalk improvements.
This green street is an excellent example of what can be done to manage stormwater in a city center that is completely built out.

NATURAL SYSTEM BENEFITS

- Provide Habitat
- Slowly Release Storm Flow
- Filter Pollutants
- Recharge Groundwater
- Reduce Erosion
2. NE 35th Place and Siskiyou Street Curb Extension Swales

A green street retrofit which manages stormwater at the source through a vegetated swale, while enhancing the neighborhood.
NE 35th Place and Siskiyou Street Curb Extension Swales

This facility offers a beautiful alternative to traditional piped infrastructure.

Approximate cost = $17,000 for the two stormwater curb extensions + $3,000 for the ancillary sidewalk/curb work.

NATURAL SYSTEM BENEFITS

- Provide Habitat
- Slowly Release Storm Flow
- Filter Pollutants
- Recharge Groundwater
- Reduce Erosion

MAP
3. NE 131st Avenue and Fremont Street Landscaped Curb Extension

This Argay Neighborhood site was retrofitted with a curb extension to manage street runoff.

NATURAL SYSTEM BENEFITS
✓ Provide Habitat
✓ Slowly Release Storm Flow
✓ Filter Pollutants
✓ Recharge Groundwater
✓ Reduce Erosion
This project, a neighborhood amenity, was the first of its kind to manage street runoff and accommodate both pedestrian crossing and stormwater management.

Approximate total cost = $22,000
4. Glencoe Elementary School Rain Garden

BES and Portland Public Schools worked in partnership on this project.

NATURAL SYSTEM BENEFITS
- Provide Habitat
- Slowly Release Storm Flow
- Filter Pollutants
- Recharge Groundwater
- Reduce Erosion
This facility helps to protect homes along SE 52\textsuperscript{nd} Ave. from frequent sewer backups, serves as an educational resource for the school and provides a neighborhood park-like amenity.
5. SE Division Street New Seasons Market

Landscape planters in sidewalk area take street runoff while beautifying a commercial/retail zone.

NATURAL SYSTEM BENEFITS
- Provide Habitat
- Slowly Release Storm Flow
- Filter Pollutants
- Recharge Groundwater
- Reduce Erosion
New Seasons Market at SE 20th and Division and the neighborhood association worked in partnership with Environmental Services to develop innovative sustainable stormwater solutions at New Seasons.
6. Westmoreland Permeable Pavement Project

Project locations:
SE 20th Ave. from Rex St. to Lambert St.
SE Rex St. from 20th Ave. to 21st Ave.
SE 21st Ave. from Rex St. to Knapp St.
EcoLock Pavers in Parking Strips
SE 20th & 21st Ave. between Knapp & Lambert
Curb-to-Curb Eco-Lock Pavers
SE Knapp St. from 21st to 22nd Ave.
7. N Gay Avenue Porous Pavement Pilot Project

Pervious Asphalt
Pervious Concrete