Project Funder:
Seattle Department of Transportation

Project Location:
Winona Ave. N. Seattle

Project BMP(s):
Roadside bioretention

Installation Driver:
Initiated by adjacent residents as an intersection repair project. Improved pedestrian crossing at dangerously wide oblique intersection. Grant funded.

Year Built:
2011
Prime Design / Engineer Consultant:
MIG/SvR Design

Project Funder:
Seattle Public Utilities

Project Location:
West Seattle

Project BMP(s):
Bioretention;
Permeable Pavement;
Tree Protection and Planting

Installation Driver:
Seattle Housing Authority redevelopment

Year Built:
2005

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Prime Design / Engineer Consultant: Goodfellow Bros., Inc. General Contracting

Project Funder: King County Wastewater Treatment Division

Project Location: Sunrise Heights and Westside neighborhoods of West Seattle

Project BMP(s): 15 blocks with roadside rain gardens

Installation Driver: Control combined sewer overflows

Year Built: 2015

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Prime Design / Engineer Consultant: Wenger Landscape and Design

Project Funder: King County Wastewater Treatment Division through the RainWise Program

Project Location: Fauntleroy Schoolhouse, 9131 California Ave SW, Seattle

Project BMP(s): Rain Garden

Installation Driver: Reduce combined sewer overflows and stormwater pollution.

Year Built: 2014

Additional Information: The rain garden captures 1,812 SF of the roof area and will capture 27,000 gallons of rain each year.

Rebate amount: $6,342
Prime Design / Engineer Consultant: Rain Dog Designs

Project Funder: King County Wastewater Treatment Division through the RainWise Program

Project Location: First Tongan United Methodist Church, Highland Park, 9001 9th Ave SW, Seattle, WA

Project BMP(s): Three cisterns and one rain garden capture 7,328 square feet of roof area

Installation Driver: Reduce combined sewer overflows.

Year Built: 2015

Additional Information: The church has both a Tongan and Hispanic congregations. Both congregations were involved in designing and the ongoing maintenance of the project.
Prime Design / Engineer Consultant: Stewardship Partners, Sustainable Seattle, DePave

Project Funder: King County Green Grants

Project Location: Highland Park Improvement Club, 1116 SW Holden, Seattle

Project BMP(s): Two rain gardens, one slim-line cistern, a permeable pavement courtyard

Installation Driver: Control combined sewer overflows and stormwater pollution, enhance community center.

Year Built: 2014
Prime Design / Engineer Consultant: Freeman Anthony, PE

Project Funder: Department of Ecology

Project Location: Downtown Bellingham

Project BMP(s): Bioretention

Installation Driver: Impaired waterway

Year Built: 2014

Additional Information: Downtown Improvement Gardens with business stewardship.

Photo Credit: Rose Lathrop
Prime Design / Engineer Consultant:
Washington Organic Recycling Council

Project Funder:
WA Dept. of Ecology Stormwater Manuals, 2005-present

Project Location:
Throughout Western Washington

Project BMP(s):
Requirement to protect soil during construction, or restore soil functions by amending with compost.

Installation Driver:
Ecology's soil BMPs require builders to restore the "sponge" that naturally manages rainfall.

Year Built:
2005-present

Additional Information:
Learn more at www.BuildingSoil.org

Photo Credit: David McDonald
Prime Design / Engineer Consultant:
Engineering: BHC Consulting; Landscape: Meredith Hall; Project Management: Urban Systems Design

Project Funder:
Rose Foundation; King County Green Grants; in-kind contributions of time and materials

Project Location:
Seattle's South Park @12th Avenue South and South Orr St

Project BMP(s):
Roadside bioretention

Installation Driver:
Voluntary - community-led

Year Built:
2014

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Photo Credit: Cari Simson
Prime Design / Engineer Consultant:
City of Bellingham

Project Funder:
City of Bellingham/WA State Dept. of Ecology

Project Location:
Bellingham

Project BMP(s):
Rain Gardens

Installation Driver:
Freshwater Quality, Pedestrian Safety

Year Built:
2014
Prime Design / Engineer Consultant: Rain Dog Design

Project Funder: RainWise, King County Green Grant, Google, Russell Foundation, Stewardship Partners Access Grant

Project Location: Hope Academy & Alnoor Mosque, 9421 18th Ave SW, Seattle

Project BMP(s): Rain gardens, cisterns, community education, bioretention

Year Built: 2013-2015

Installation Driver: Demonstration sites are key to teaching communities about stormwater and stormwater solutions. ECOSS conducted multilingual RainWise outreach to potential demonstration sites in targeted combined sewer overflow areas. Our staff helped the mosque throughout the project which serves as a teaching tool for the public and reduces sewer overflows.

Additional Information: This is Seattle's first RainWise mosque. In a typical year, the two rain gardens and four cisterns will capture/slow 118,800 gallons of water.

Photo Credit: Ned Ahrens, King County
Installation Driver:
Demonstration sites are key to teaching communities about stormwater and stormwater solutions. ECOSS conducted multilingual RainWise outreach to potential demonstration sites in targeted combined sewer overflow areas. Our staff helped the Salvation Army throughout the project which serves as a teaching tool for the public and reduces sewer overflows.
Prime Design / Engineer Consultant:
Washington State University (WSU) and Washington Stormwater Center (WSC)

Project Funder:
The Boeing Company

Project Location:
Laboratory testing at WSU Pullman and WSC Puyallup

Project BMP(s):
Research potential performance and toxicity improvements of permeable pavement enhanced with composite by-product.

Installation Driver:
The goal of this research is to strengthen permeable pavement and expand its potential use.

Year Built:
2015
Prime Design / Engineer Consultant:
Tetra Tech

Project Funder:
NOAA, SRFB, ESRP, NWF, EPA, local dike and drainage districts, Skagit County, private donors

Project Location:
Skagit County, WA

Project BMP(s):
Levee setback, floodplain and estuary restoration

Installation Driver:
Local community desire to implement a project with multiple outcomes: habitat for Chinook salmon, reduced flood risk and updated infrastructure.

Year Built:
2011

Photo Credit: ©Marlin Greene/One Earth Images
Prime Design / Engineer Consultant: Banyon Tree Design

Project Funder: Clearwater Commons LLC

Project Location: Bothell, WA

Project BMP(s): Pin Pile Foundations, Pourous Concrete, Rain Gardens

Installation Driver: Protect/restore salmon stream, infiltrate all stormwater, and maximize building lots.

Year Built: 2010-Present

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Photo Credit: Clearwater Commons
Prime Design / Engineer
Consultant:
Geosyntec

Project Funder:
The Boeing Company

Project Location:
Boeing Plant 2, North Parking Lot

Project BMP(s):
Stormwater bioretention/treatment

Installation Driver:
Retrofit surface drainage swales into engineered green infrastructure to meet EPA permit requirements for stormwater source control actions for the Lower Duwamish Waterway.

Year Built:
1991, retrofit 2012

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Prime Design / Engineer Consultant:
Rupert Engineering

Project Funder:
The Boeing Company

Project Location:
Boeing Plant 2, South Duwamish Shoreline

Project BMP(s):
Stormwater bioretention/treatment

Installation Driver:
To meet EPA permit requirements for stormwater source control actions for the Lower Duwamish Waterway.

Year Built:
2012
Prime Design / Engineer Consultant: Golder – Geosyntec

Project Funder: The Boeing Company

Project Location: Boeing South Park

Project BMP(s): Stormwater bioretention/treatment

Installation Driver: To satisfy Industrial Stormwater permit benchmarks for zinc.

Year Built: 2014

Photo Credit: The Boeing Company
Prime Design / Engineer
Consultant:
KPG

Project Funder:
City of Tacoma

Project Location:
Sprague & S 19th

Project BMP(s):
Bioretention, Pourous Concrete

Installation Driver:
Community Priority for gateway, Localized flooding

Year Built:
2014

Additional Information:
This was also a pilot project with only 16 feet of impervious asphalt. Better for the environment, provides traffic calming, and is cost effective.