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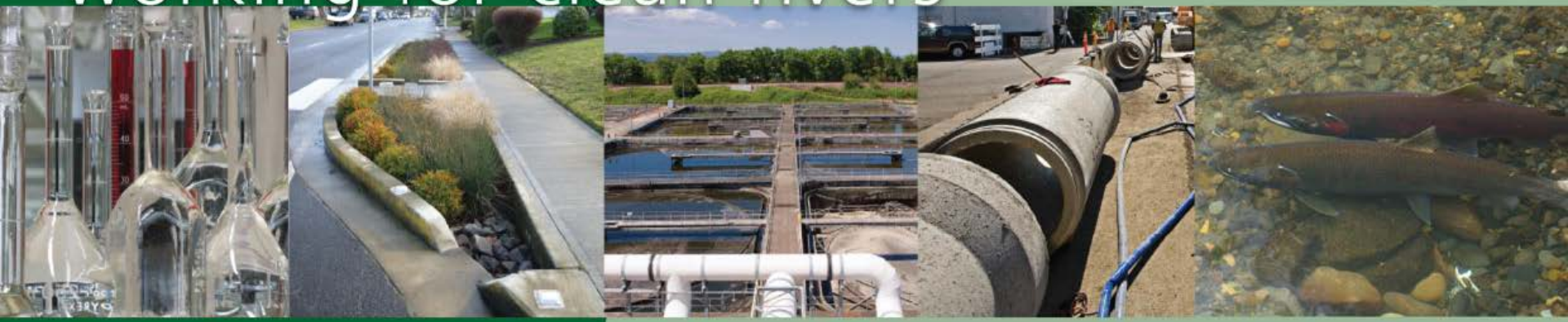
working for clean rivers



Council Item #213

Wheeler Basin Reconstruction and Green Streets (WHE-04)

Scott T. Gibson, P.E., Principal Engineer

Brandon Wilson, P.E., Engineer

Bureau of Environmental Services

March 1, 2017

ENVIRONMENTAL SERVICES
CITY OF PORTLAND

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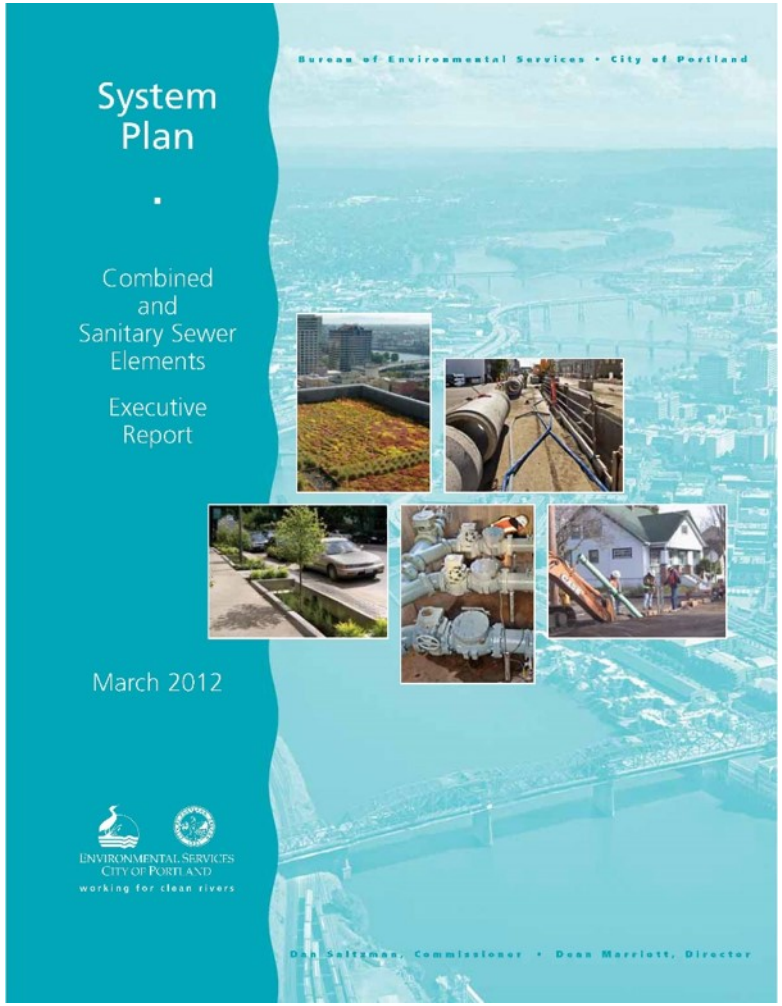
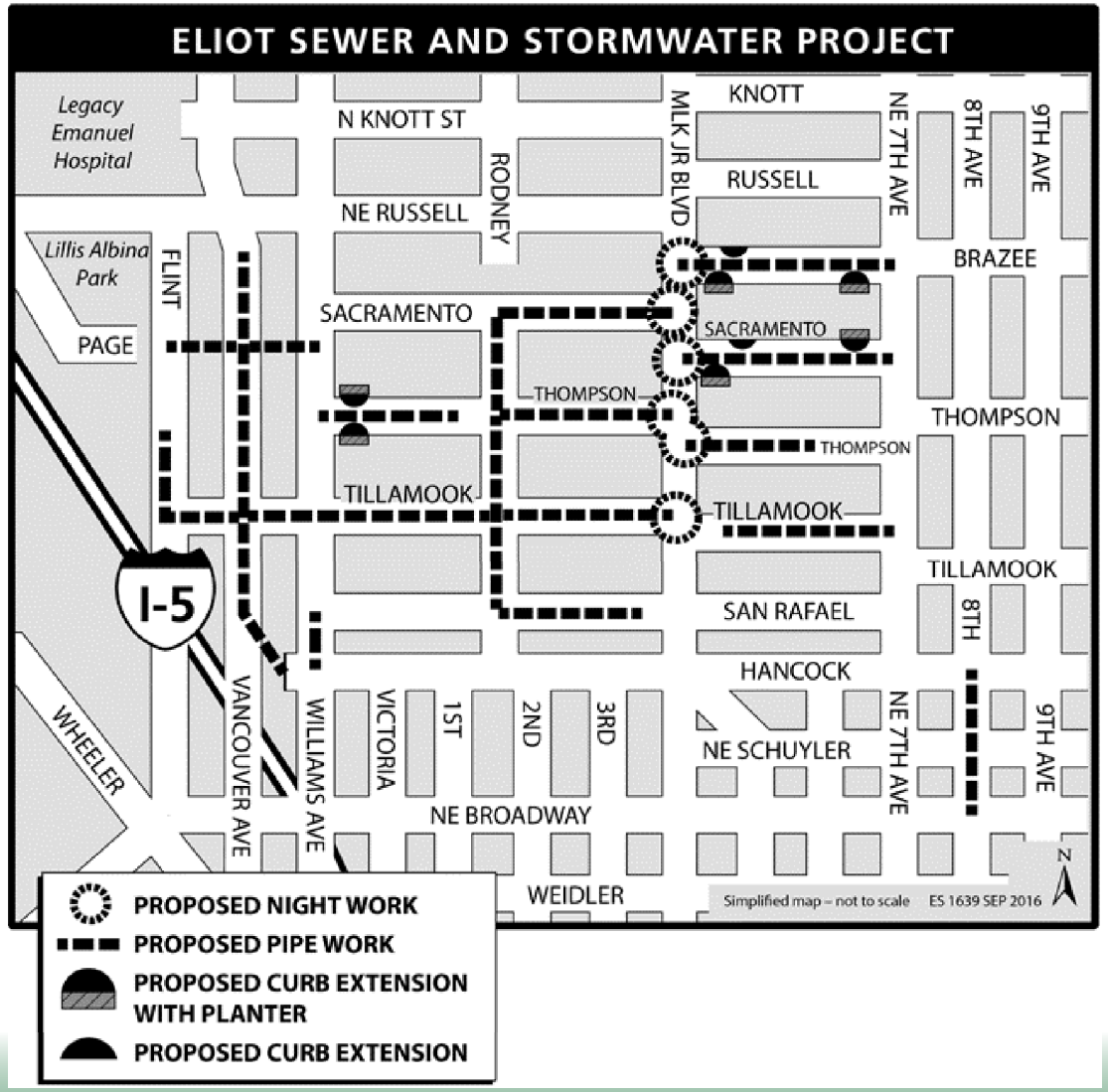
NICK FISH, COMMISSIONER
MICHAEL JORDAN, DIRECTOR

Background

- Part of the BES' System Plan (2012).
- This project will relieve sewer backups and rehabilitate century old pipe.
- Vegetated surface infiltration facilities are used to cost effectively reduce stormwater volume and eliminate pipe upsizing.



Project Location

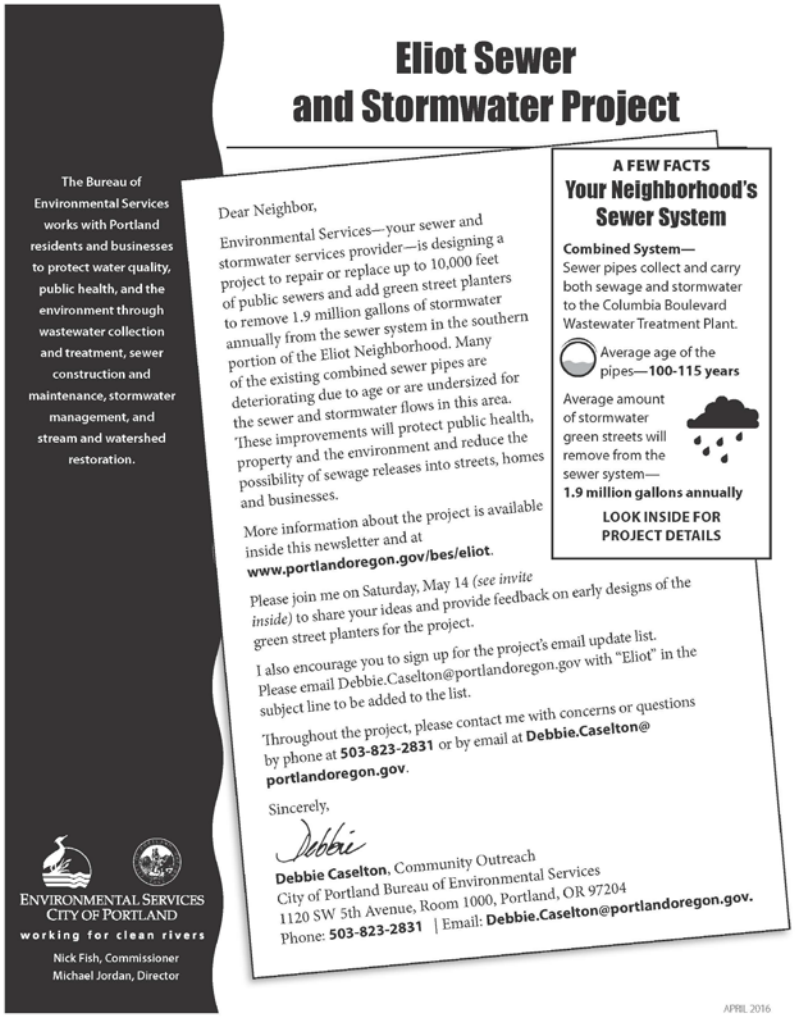


Project Goals and Objectives

- Recommended in the BES Systems Plan (2012).
- 11,500 LF of mainline pipe from 8” to 30” in diameter for under capacity, poor condition including three sewer extension mains.
- Eight typical stormwater infiltration facilities.

Public Involvement

- Based on extensive public input and outreach.
- Site constraints & early feedback from adjacent property owners & businesses helped inform the final design.



The Bureau of Environmental Services works with Portland residents and businesses to protect water quality, public health, and the environment through wastewater collection and treatment, sewer construction and maintenance, stormwater management, and stream and watershed restoration.

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Nick Fish, Commissioner
Michael Jordan, Director

Eliot Sewer and Stormwater Project

Dear Neighbor,

Environmental Services—your sewer and stormwater services provider—is designing a project to repair or replace up to 10,000 feet of public sewers and add green street planters to remove 1.9 million gallons of stormwater annually from the sewer system in the southern portion of the Eliot Neighborhood. Many of the existing combined sewer pipes are deteriorating due to age or are undersized for the sewer and stormwater flows in this area. These improvements will protect public health, property and the environment and reduce the possibility of sewage releases into streets, homes and businesses.

More information about the project is available inside this newsletter and at **www.portlandoregon.gov/bes/eliot**.

Please join me on Saturday, May 14 *(see invite inside)* to share your ideas and provide feedback on early designs of the green street planters for the project.

I also encourage you to sign up for the project's email update list. Please email Debbie.Caselton@portlandoregon.gov with "Eliot" in the subject line to be added to the list.

Throughout the project, please contact me with concerns or questions by phone at **503-823-2831** or by email at **Debbie.Caselton@portlandoregon.gov**.

Sincerely,

Debbie Caselton, Community Outreach
City of Portland Bureau of Environmental Services
1120 SW 5th Avenue, Room 1000, Portland, OR 97204
Phone: **503-823-2831** | Email: **Debbie.Caselton@portlandoregon.gov.**

A FEW FACTS
Your Neighborhood's Sewer System

Combined System—
Sewer pipes collect and carry both sewage and stormwater to the Columbia Boulevard Wastewater Treatment Plant.

Average age of the pipes—**100-115 years**

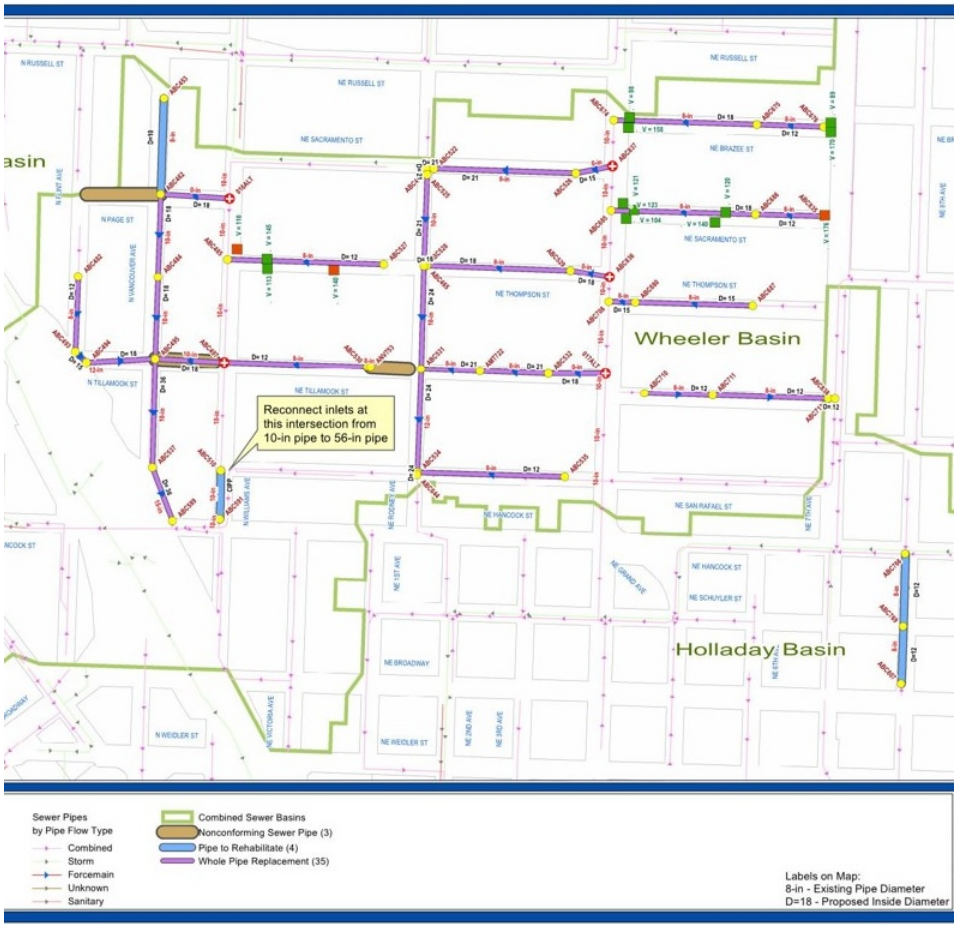
Average amount of stormwater green streets will remove from the sewer system—**1.9 million gallons annually**

LOOK INSIDE FOR PROJECT DETAILS

APRIL 2016

Flow Transfer away from N Williams & NE MLK

- Transfers flow and corresponding open cut pipe work to less busy side streets.
- Greatly reduces night work, traffic disruptions, related noise, safety concerns all at a slight cost savings.
- Eight stormwater facilities selected to reduce need to upsize pipes.



Next Steps

- Advertisement March 2017
- Level of Confidence is High
- Purchasing Agent to report back to Council with lowest responsible bid
- Construction NTP Summer 2017
- Construction duration is 15 months

Why Are We Coming Into Your Neighborhood?

A green street planter is a small rain garden that collects stormwater runoff from streets.

The Eliot Sewer and Stormwater Project is in an area with a combined sewer system, which mixes sewage from homes and businesses with stormwater runoff from streets in the same pipes. When it rains, sewers can fill to capacity and can back up into basements and streets. Combined sewage is contaminated with bacteria and pollutants washed off streets.

This project will replace 10,000 feet of sewer pipe that are too small or are between 100 and 115 years old and in danger of failing and construct up to 14 green street planters. The green street planters keep stormwater out of the combined system to make sewers operate more efficiently. These improvements will protect public health, property and the environment while also increasing sewer system performance and reliability.

WE WELCOME YOUR SUGGESTIONS

What you know about your neighborhood can help us with project design, which is currently underway. Please take some time to consider the needs of your neighborhood and let us know by **June 30** about the following:

- **Special Events –** dates, times, locations and coordinator contacts for annual or regularly scheduled events
- **Community gathering places –** places where we could drop off our flyers
- **Business operations –** employee and customer parking, freight loading zones, bay door access, hours of operation
- **Medical –** disability issues, medical deliveries, disabled parking spaces
- **What did we forget?**

LEARN MORE ABOUT THE PROJECT AND STAY INFORMED!

✓ **Join the tour.** More information at right.

✓ **Check out the project website.** www.portlandoregon.gov/bes/eliot

✓ **Sign up for email updates**. Send an email to **Debbie.Caselton@portlandoregon.gov** with "Eliot"in the subject line.

SAVE THE DATE

JOIN THE TOUR

Learn about the project and potential green street planter locations.

SATURDAY MAY 14, 2016

9:30 AM
Meet at the north side of Thompson Street at N Williams Street

10:30 AM
Meet on south side of NE Sacramento Street at Martin Luther King Jr Blvd

Questions?