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503-823-7740

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Устный и письменный перевод

Письмовий і усний переклад

Traducción e Interpretación

Traducere și interpretariat

Chiaku me Awewen Kapas

Biên Dịch và Thông Dịch

Turjumaad iyo Fasiraad

अनुवादन तथा व्याख्या

口笔译服务

Over one-third of Portland's 2,500 miles of sewer pipes are more than 80 years old. Projects to replace or repair aging sewers are important for protecting water quality, public health and the environment.

Buckman-Kerns Green Street and Sewer Project

At a glance

Sewer and stormwater improvements will help protect the public and the environment by reducing the possibility of costly breaks, leaks, blockages, and sewage releases to homes, businesses and streets.



4 miles
of public sewer pipe to be upgraded or installed.



100-120 years
Average age of existing pipes that are at risk of failing.



83 green street planters
added to keep stormwater out of sewer system.



7.1 million gallons
of stormwater runoff infiltrated annually.

FOR MORE INFORMATION: www.portlandoregon.gov/bes/BuckmanKerns

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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.

Buckman-Kerns Green Street and Sewer Project



Construction anticipated in fall 2021 through winter 2023

Dear Neighbor,

Environmental Services—your sewer and stormwater services provider—is designing a project to upgrade and install more than four miles of public sewers, and build up to 83 green street planters. This will remove 7.1 million gallons of stormwater a year from the sewer system in the Buckman and Kerns neighborhoods. Many of the existing combined sewer pipes are at least 100 to 120 years old and deteriorating or undersized for the sewer and stormwater flows in this area. These improvements will protect public health, property and our environment and reduce the possibility of sewage releases into streets, homes and businesses.

More information about the project is available inside this newsletter and on the web at www.portlandoregon.gov/bes/BuckmanKerns.

Please join me on Thursday, January 23 or Saturday, January 25 (see details inside) to share your ideas and provide feedback on the designs of the green street planters for the project.

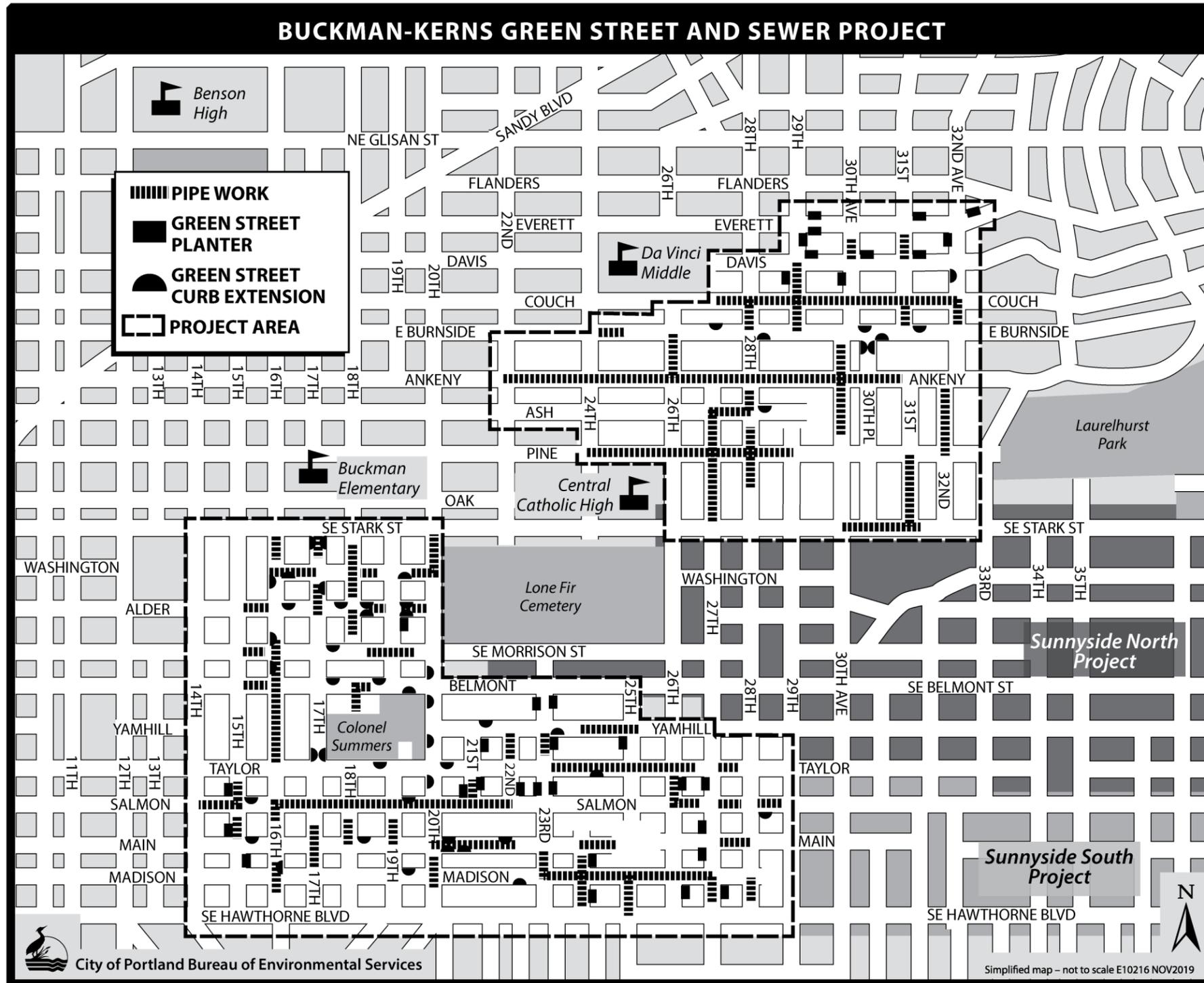
I also encourage you to sign up for the project's email update list. Please email Debbie.Caselton@portlandoregon.gov with "Buckman-Kerns" in the subject line to be added to the list.

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

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

Buckman-Kerns Green Street and Sewer Project

The simplified map below shows locations of green street planters, green street curb extensions, and sewer pipe construction.



WE WANT TO HEAR FROM YOU! Open Houses

Both open houses will have the same content. Feel free to attend either option that works for you. Drop in any time during the posted hours.

6 to 8 p.m.
Thursday, January 23
Social Justice Action Center
400 SE 12th Avenue

10 a.m. to Noon
Saturday, January 25
Social Justice Action Center
400 SE 12th Avenue

- Learn about green streets.
- Provide feedback on green street designs.
- Talk to staff about your sewer lines.
- Learn how to improve stormwater management and watershed health in your community.
- *Habr  un traductor espa ol disponible en la reuniones.*

From your Neighborhood to the River

HAVE AN IDEA FOR A COMMUNITY PROJECT THAT IMPROVES THE WILLAMETTE WATERSHED?

Environmental Services has funds to support projects that will help protect and improve the Willamette Watershed. Project ideas include, but are not limited to:

- Planting trees in your yard or the public right-of-way and encouraging neighbors to join you.
- Installing a rain garden or native plants at a place of worship, business, non-profit, or school.
- Removing pavement and replacing it with trees or plants.
- Engaging your community group in watershed education opportunities

To learn more about how we can fund your project, contact Kira Smith at Kira.Smith@PortlandOregon.gov or call 503-823-8209.

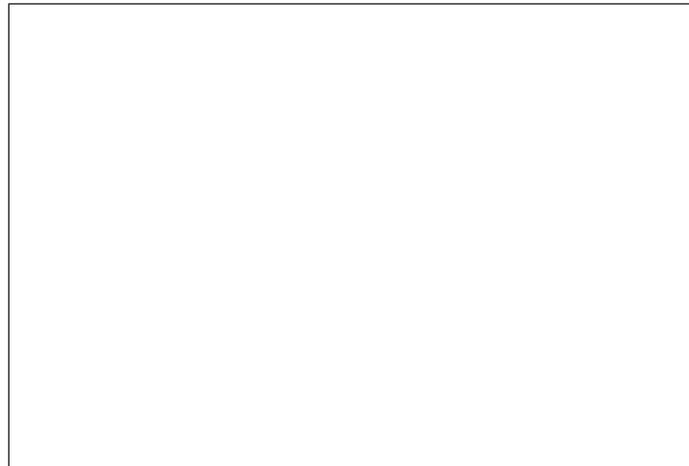
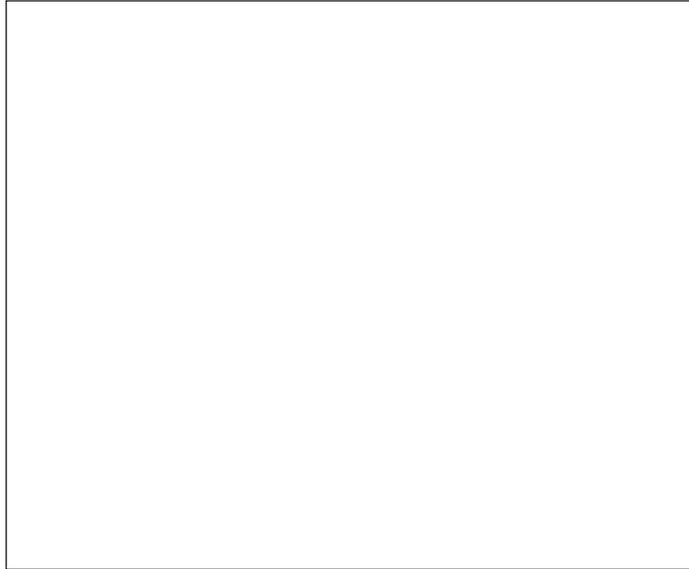
Learn more about how our work improves stormwater management and watershed health at:
www.portlandoregon.gov/bes/2theRiver.

Learn more about the project and stay informed!

- On the web at www.portlandoregon.gov/bes/BuckmanKerns
- Sign up for email updates on the website email to Debbie.Caselton@portlandoregon.gov with "Buckman-Kerns" in the subject line.
- Call Debbie Caselton at 503-823-2831.

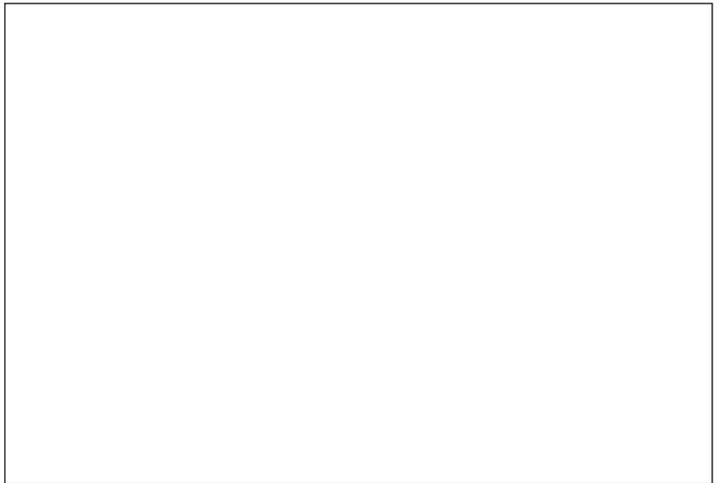
How often are they maintained?

For the first couple of years after the plants are installed, the city checks on the planters up to ten times a year to make sure the plants are watered and still alive. Plants are replaced as needed, and invasive weeds are pulled. Sediment, leaves and/or trash are also removed when the city comes by as well. Once the plants are more established, the city comes by less frequently on a seasonal schedule.



What plants are in the green streets?

The plants selected for the green streets consist of a lot of rushes and sedges. These plants have a dense and fibrous root system that thrives in our climate and helps filter street runoff. Some property owners adjacent to a green street in your neighborhood will select from a list of flower bulbs (daffodils, camas and iris). These will give the green streets a pop of color. The plants change in appearance depending on the season. At times they appear brushy and dry, and sometimes leaves will change colors according to the season. The specific plants chosen are not for aesthetics, but for a functional benefit.



Green street planter designs include both curb extensions (photo top left) and planters that fit within the planting strip (photo above). Planters sometimes have a step-out zone, as shown in this photo. Over time plants begin to fill in and grow at different rates, changing the appearance of the planter (photo bottom left). Like a garden, the green street will change each season as plants die back in winter, produce new growth in spring and manage stormwater year round.

FOR MORE INFORMATION: www.portlandoregon.gov/bes/BuckmanKerns
Debbie.Caselton@portlandoregon.gov