

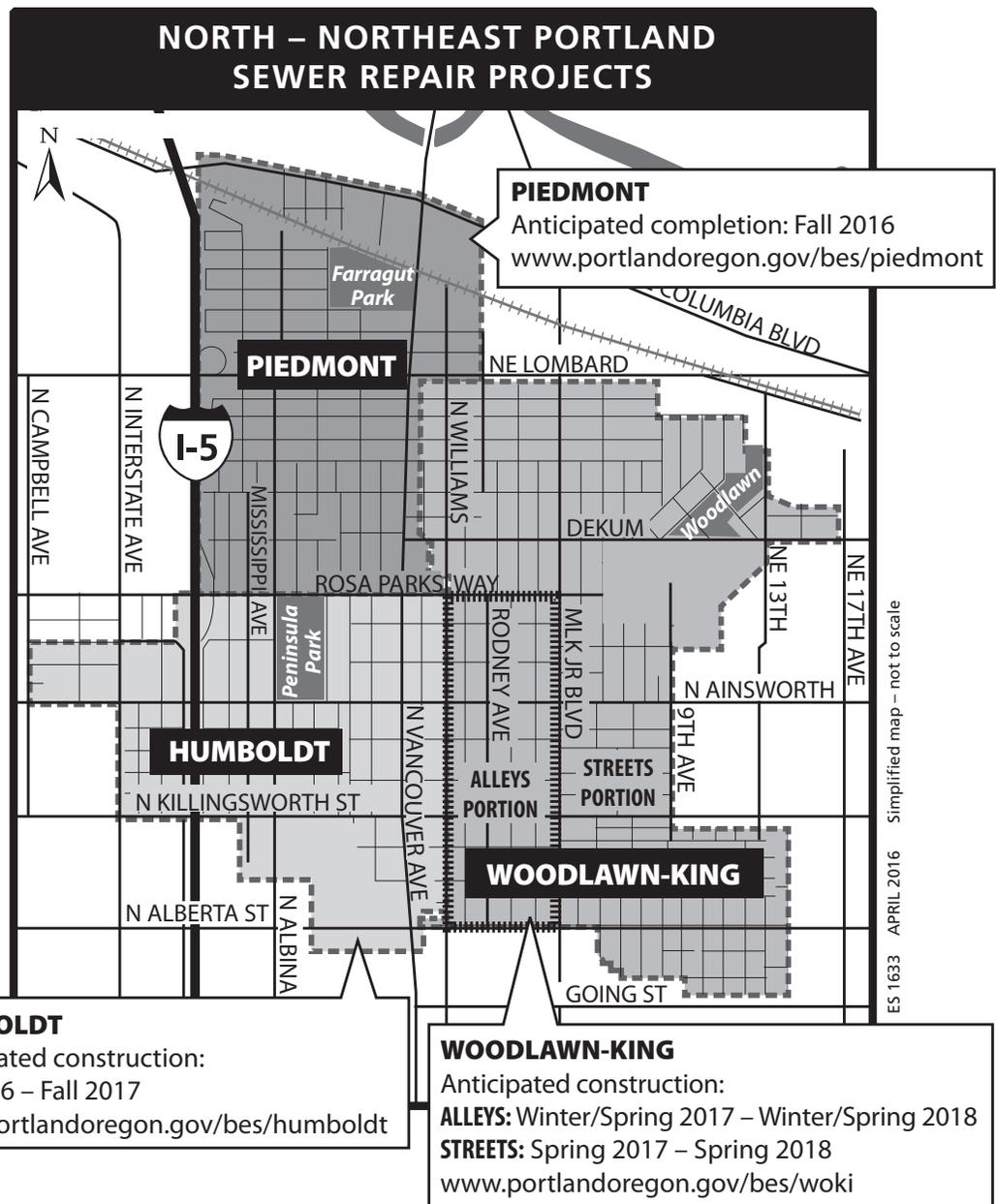
North/Northeast Portland Sewer Repair Projects

MAY 2016

As part of a large-scale, city-wide sewer repair program, Environmental Services is designing and constructing three sewer and stormwater repair projects in north and northeast Portland neighborhoods to replace or repair about 17 miles of public sewer pipes that are on average 90 years old and deteriorating due to age.

The adjacent project areas will include construction in the Piedmont, Humboldt, Woodlawn and King neighborhoods, plus a few blocks in the Overlook and Arbor Lodge neighborhoods. The overall boundaries extend from Columbia Boulevard to the north, Campbell Avenue to the west, Going Street to the south, and 17th Avenue to the east.

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.



Sign Up for Email Updates

Throughout the construction of these projects, we will be sending periodic email updates on the schedule, possible traffic detours, delays and lane restrictions. Please sign up now to receive updates by emailing Rhetta.Drennan@portlandoregon.gov with the project name (Humboldt, Piedmont or Woodlawn-King) in the subject line. Please let us know if you have concerns such as business operations, disability issues, or medical or business deliveries. Contact **Rhetta Drennan** with questions and concerns by email or phone **503-823-6006**.

The Big Picture

In the early 1900s, when Portland was growing rapidly, the city built hundreds of miles of sewers. Since most sewer pipes have a lifespan of about 100 years, Portland is now facing an urgent need to modernize our aging sewer infrastructure. Of the 2,500 miles of sewer pipe that run under our city's streets, over one-third are more than 80 years old. To begin addressing this need, Environmental Services has launched a large-scale effort to repair or replace the highest priority pipes in our aging sewer system. This represents the second largest sewer program in the city's history, and Piedmont, Humboldt, Woodlawn, and King are some of the neighborhoods that will benefit.

A Glossary of Construction Methods Terms

Contractors will use several construction methods to complete the work. Some will require digging trenches, and others will replace pipes through manholes or access pits to reduce surface disruption.

CIPP (Cured-in-Place Pipe):

The contractor inserts a flexible liner inside the damaged pipe. Hot water or steam pumped through the pipe hardens the liner and creates a new interior lining. Work crews usually access the sewer through a manhole, or cleanout. The process may require some excavation to connect service laterals and night work to allow time for the liner to cure inside the pipe.

Open Trench Pipe Repair:

The contractor excavates a trench, installs new pipe, fills in the trench and restores the disturbed pavement.

Pipe Bursting: Pipe bursting involves digging an access pit and inserting a bursting head into the existing sewer line. The bursting head breaks the old pipe apart and pulls the new pipe into place behind it. Construction crews retrieve the bursting head from a second access pit.

More detail about construction methods is available at www.portlandoregon.gov/bes/methods.



What we flush MATTERS

Many things—if flushed down toilets or poured down drains—can damage sewers, cause a backup into your home, or release sewage to the environment.

Help us keep sewage in the sewer system by keeping the other stuff out.

Visit

www.portlandoregon.gov/bes/WhatNotToFlush

to learn about:

- ✓ What not to flush
- ✓ How to safely dispose of unused medication
- ✓ How to keep fats, oils and grease from clogging sewers



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