

Willamette River Watershed

working for clean rivers

NW Flanders Street and 11th Avenue Sewer Repair Project

Sewer Repairs in Early 2017

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Environmental Services is designing a project to repair about 250 feet of 100-year-old public sewer pipe in NW Flanders Street between NW 12th and 11th avenues (see map).

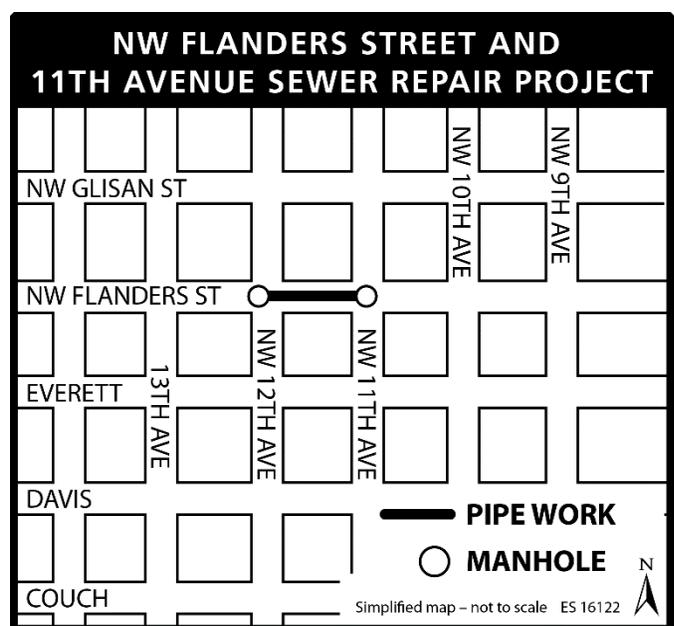
This project will reduce the risks of sewage releases to businesses and streets and sewer service interruptions that could occur as a result of pipe collapse.

Schedule

Construction is anticipated to begin as early as March 2017 and take three months to complete.

Project Description

The public sewer in NW Flanders Street between NW 12th and 11th avenues was constructed in 1916 and is showing signs of wear and tear, including cracks, tree root intrusion and structural ovaling due to stresses on the pipe.



This project will repair the 100-year-old sewer pipe using a trenchless construction method called cured-in-place-pipe lining (CIPP). Work crews access the sewer from manholes to insert a flexible liner inside the old pipe. Hot water or steam inflates and cures the liner, which gradually hardens to form a rigid, smooth surface that seals cracks and restores the pipe to near-new condition. For more information about CIPP and photos, visit www.portlandoregon.gov/bes/methods.

The project will also repair or replace storm drain inlets, manholes and up to 100 feet of service laterals that connect private properties to the public sewer. Open trench excavation will be necessary to complete these additional repairs to the public sewer system.

Historic trolley rails intersect the sewer at NW Flanders and 12th. The project will remove the rails and ties before repairing the public sewer.

Continued



ENVIRONMENTAL SERVICES
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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. Learn more at www.portlandoregon.gov/bes.

Traffic Controls

During construction of this sewer repair project, Portland Streetcar operations on NW 11th Ave will not be disrupted. The project will keep all lanes on NW 11th Ave open at all times. Traffic on NW 12th Ave may see lane restrictions during work hours, but the street will remain open.

- Construction hours will be 7:00 a.m. to 6:00 p.m. Monday through Friday. The contractor may also schedule work during the same hours on Saturdays.
- Construction creates noise, vibration and dust and disrupts normal neighborhood activity.
- The contractor will maintain local access, but construction may impact normal use of driveways or business entrances.
- You should expect traffic delays in and near the work area. Please observe traffic control signs and follow the directions of flaggers.
- On-street parking will be restricted in and near the work zones to create a safe work environment and to stage equipment and materials.
- Some equipment and materials may be stored on your street or nearby streets overnight.
- There may be periods of inactivity between construction phases due to a variety of factors including weather, subcontractor schedules and availability of materials.
- A city inspector will be on-site during work hours and may be able to assist you with an immediate need during construction.
- Sewer, water and other utilities will remain in service during construction.

For More Information

Visit the project web page at www.portlandoregon.gov/bes/nwflanders and sign up to receive updates or email Ashley.Tjaden@portlandoregon.gov with "NWFlanners" in the subject line. Please let us know if you have concerns such as business operations, disability issues, medical or business deliveries, or other concerns about how this project might affect your property.

The City of Portland complies with all non-discrimination laws including Title VI (Civil Rights) and Title II (ADA). To request a translation, accommodation or additional information, please call 503-823-7740, or use City TTY 503-823-6868, or Oregon Relay Service: 711

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Construction begins early 2017**

Learn more inside about the improvements being designed.