

MAGNOLIA CONVEYANCE PROJECT

King County
Department of Natural Resources and Parks
Wastewater Treatment Division

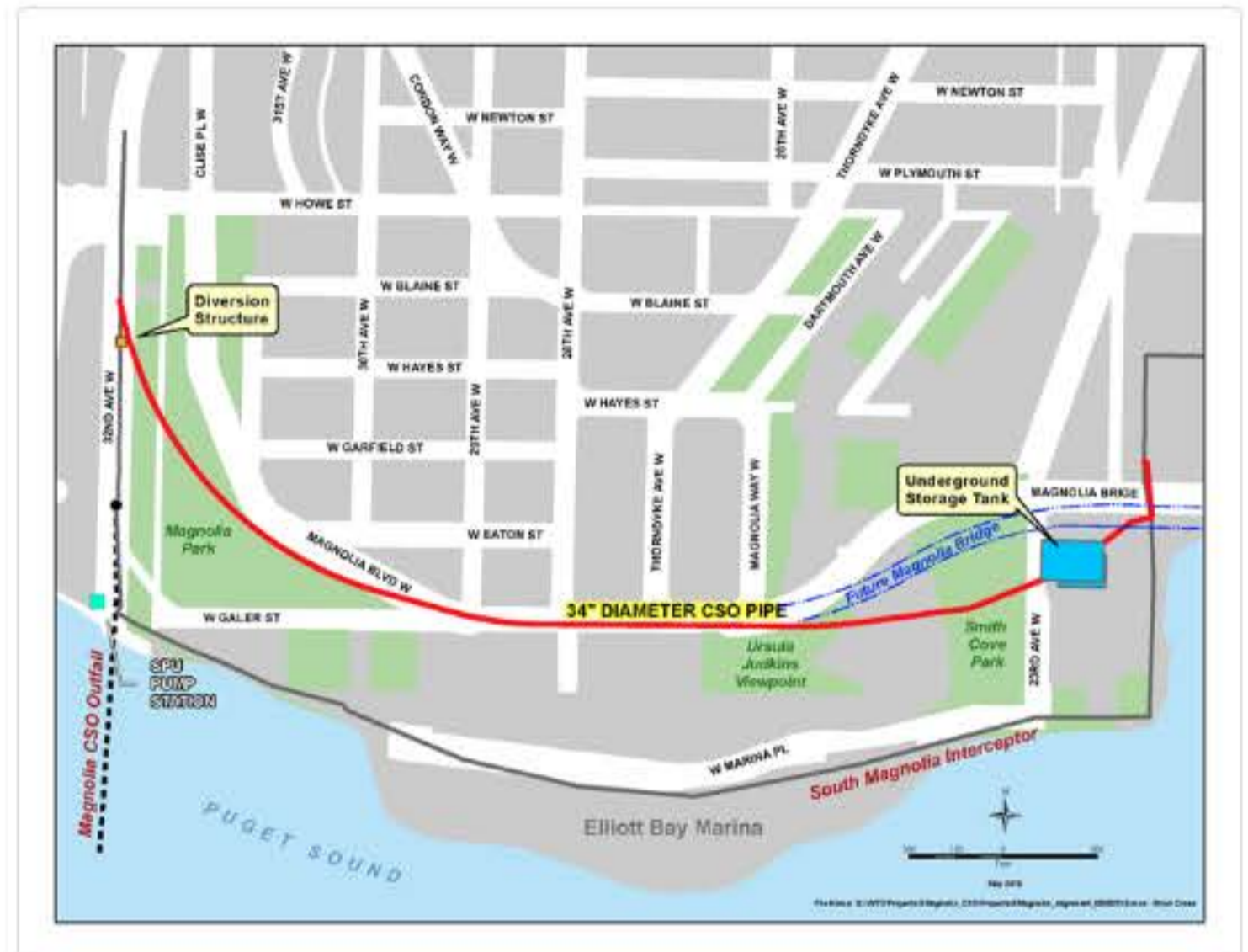
- Welcome
- Controlling CSOs
- Construction
- Activities
- For more info

Welcome

King County's contractor has moved into restoration activities now that approximately 3,000 feet of new pipe is installed between 32nd Avenue West and Smith Cove Park. While construction activities are a lot more limited than during pipe fusion and the pipe pull, people can still expect activity in the project area.

WHAT TO EXPECT

- Work hours from 7 a.m. - 5:30 p.m. during the week; we will provide notification of any after-hours or weekend work.
- Two-way traffic maintained on 32nd Avenue West, with occasional, brief traffic delays for truck turnaround and equipment movement.
- Staging will remain in Smith Cove Park to support ongoing work to connect the new pipe to the existing system.



Click image for larger map

The project pipe (shown in red line above) connected the sewer system to a storage tank in Smith Cove Park. Another pipe has been installed and once crews have connected it, the Magnolia Wet Weather Facility will be back online, helping to protect Puget Sound water quality.

Here is what you can do

- Learn about the [construction method](#) used to install 3,000 feet of pipe between 32nd Avenue West and Smith Cove Park
- [Scroll through construction activities and see the schedule](#)
- Learn about construction activities in [Smith Cove Park](#), and at [32nd Avenue West and Clise Place West](#)
- Ask the project team [questions](#)
- Sign up for [more information](#)

How to use this online open house

- Visit stations in the tabs at the top of the page
- Click the or select any tab at the top of the page to move between the stations
- Keep track of your notes and questions at the bottom of the page and submit them at the "For more info" station

Take notes as you go

Use this field to jot notes for yourself as you move through the online open house. Your notes on each page will transfer to the comment form.

Take notes here.

For more information, please:

Call: 24-hour construction hotline at [206 205-5969](tel:2062055969)
Email: Monica.VanDerVieren@kingcounty.gov
Search: "Magnolia storage" at kingcounty.gov
Follow: [@KingCountyWTD](https://twitter.com/KingCountyWTD) on Twitter

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Controlling CSOs

This project keeps sewage and stormwater out of Puget Sound

When heavy rains fill our wastewater pipes, Combined Sewer Overflows (CSOs) release sewage and stormwater into Puget Sound and other local water bodies. The chemicals and germs in CSOs can damage water quality, and harm people and animals.

CSOs in King County exist only in older Seattle neighborhoods, where one set of pipes carries both sewage and stormwater. CSOs release 10 percent sewage and 90 percent stormwater. Most of the time, this water goes to a wastewater treatment plant.

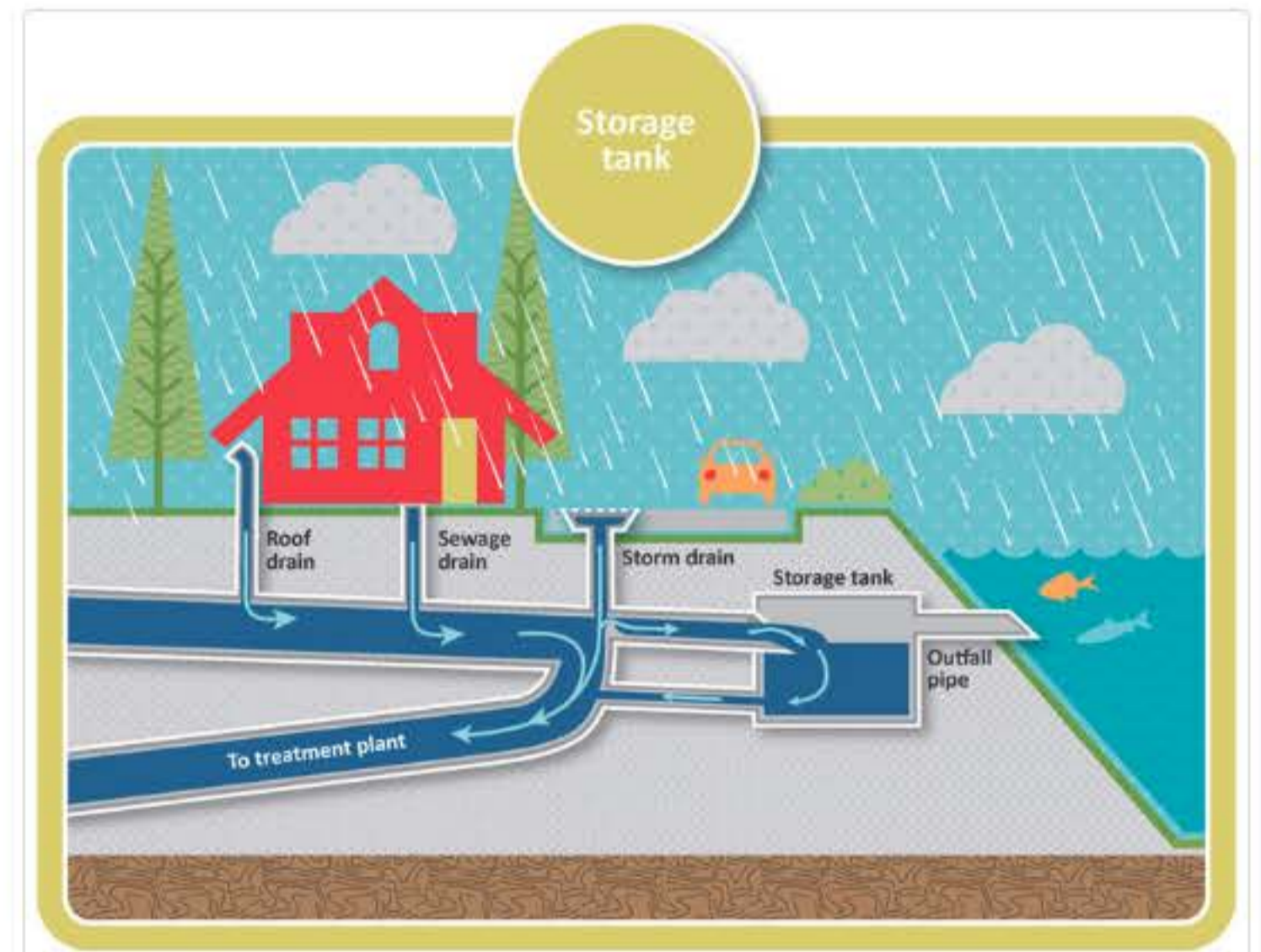
Through its [Protecting Our Waters](#) program, King County is working to limit its CSOs to one overflow per year on average over the long-term.

The pipe to be replaced was installed in 2015 as part of the South Magnolia CSO Control project to meet this requirement.

Did you know?



Since 1979, King County has reduced its overflows by 90 percent. This has kept more than 2.3 billion gallons of sewage and stormwater out of local waterways. This project will help us continue to reduce overflows in Magnolia. Once the project is complete, overflows will be reduced from approximately 21 overflows per year to one per year, on average.



Click image for larger graphic

CSOs in Magnolia send sewage and stormwater to Puget Sound during storms.

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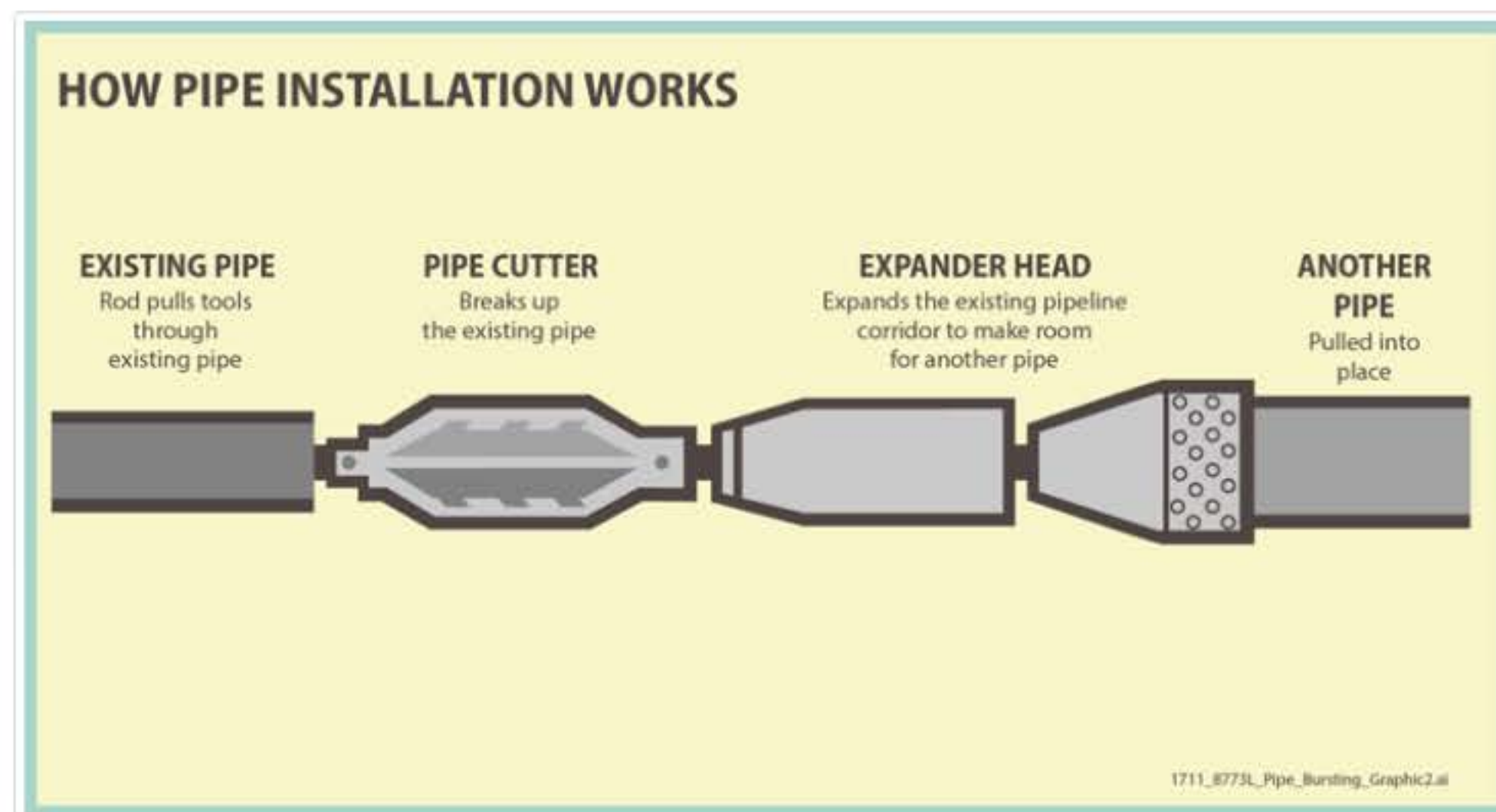
Construction method: pipe bursting

King County's contractor installed another pipeline in the existing pipe corridor using a method called *pipe bursting*. This method allows installation of a new pipe without losing design capacity in the existing pipe.

First, the contractor assembled a long pipe by fusing together shorter sections of pipe. A large drill rig located in Smith Cove Park pulled about 3,000 feet of pipe through the existing pipeline from the entry pit on 32nd Avenue West. To accomplish the pipe pull, a reamer on the front of the assembly cleared out dirt in the pipe. A cutter head and expander then followed to push the pipe outward to make room for the pipeline being pulled behind. The new pipe is made of polyethylene (HDPE), which works well for this method.



A pipe cutter breaks up an existing pipe while pulling another pipe behind the expander head.



Click image for larger graphic

The Magnolia project contractor used a reamer to clear dirt from the pipe, which was followed by a cutter head, an expander and about 3,000 feet of fused pipeline.

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Construction activities and schedule

King County's contractor began construction at Smith Cove Park in December 2017 and 32nd Avenue West in January 2018. Pipe bursting was completed in early May. Restoration is underway and expected to be complete this fall. **Scroll through the pictures and read the text below to learn more about construction and restoration activities.**



Crews excavated the exit pit in Smith Cove Park.



Work Areas

32nd Avenue West

The contractor is working to restore the upper diversion structure underneath the street. This structure diverts excess stormwater and wastewater from the City of Seattle's pipes into the Magnolia Wet Weather system. The contractor will restore the structure and the surface, including the retaining wall, plantings, and areas of pavement affected by construction. You can expect the following from upcoming construction activities:

- The contractor is working 7 a.m. to 5:30 p.m. during the week on 32nd Avenue West. They may need to occasionally start early to allow for delivery and removal of oversize equipment.
- Work is generally confined to the diversion structure. Neighbors will notice increased noise when shoring is removed.
- We will provide advance notice of work outside of regular hours or noisy activities like shoring removal.



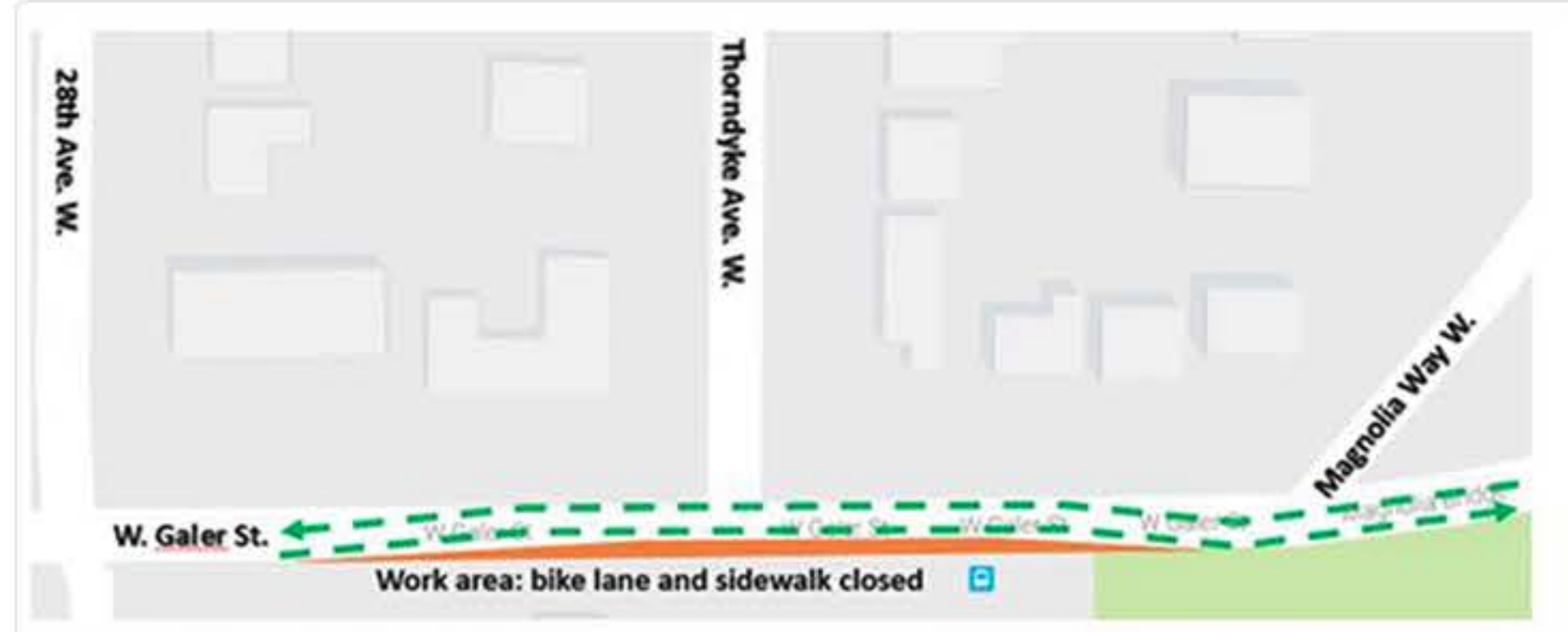
[Click image for larger graphic](#)

The contractor will work within the diversion structure work area for the remainder of restoration.

West Galer Street

The contractor has been working on West Galer Street to evaluate and address any soil loss along the pipeline. This work is expected to be complete in August or early September. You can expect the following from upcoming construction activities:

- The contractor is working from 7 a.m. to 5 p.m., as approved by the City of Seattle Street Use Permit.
- Traffic control will be in place, as shown in the map below, when equipment and workers are in the road. Please watch for signs and flaggers and drive slowly when work is underway.
- Neighbors may notice more noise and vibration during drilling and grouting activities. The County's geotechnical consultant continues to monitor the surface and vibration during this work.



[Click image for larger image](#)

Traffic and pedestrians will detour north of the work area while King County crews work to address any soil loss along the pipeline.

Smith Cove Park

Crews are restoring pipe removed from the park area to allow for the pipe bursting operation. They are preparing to reconnect the system to the new pipe. Once work in this area is completed, they will restore the surface of the area. Work hours are from 7 a.m. to 5:30 p.m. during the week.



[Click image for larger image](#)

Smith Cove Park's summer athletic field will be closed through October 2018. Equipment is staged within a fence along the yellow, dotted lines.

Schedule



[Click image for larger graphic](#)

This is a tentative construction schedule. Dates and durations are estimates and subject to change. Information about construction will be provided in advance of activities in each area.

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Questions and Comments

Thank you for visiting the Magnolia Conveyance Project's Online Open House! If you would like to receive updates on the project via email, please check the box below and provide your contact information.

Your notes will also appear in the box below. You can edit your notes and submit your comments and questions. We will respond to your questions as quickly as possible.

King County will work with the community every step of the way. We will work directly with the community throughout the project to minimize construction impacts.

Residents can expect:

- Individual responses to all questions and concerns made to the project's 24-hour construction hotline ([206-205-5969](tel:206-205-5969)). If you are calling about an emergency, please call 911.
- Advance notice of construction activities via mail, email, phone and door hangers
- One-on-one problem solving with residents directly impacted by construction activities
- Construction updates and news via notices, emails, and texts. Sign up on [our website](#).

First name

Last name

Email address

Receive project updates

Comment

Comment



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