

sewer upgrade Coal Creek



King County

Department of
Natural Resources
and Parks

**Wastewater Treatment
Division**

Welcome!

King County is working to keep the community up to date on the Coal Creek Sewer Upgrade Project in a challenging time. We are hosting this self guided tour to reach out to Natural Area visitors while keeping everyone safe.

Near this trailhead, you will see a series of signs covering the following topics:

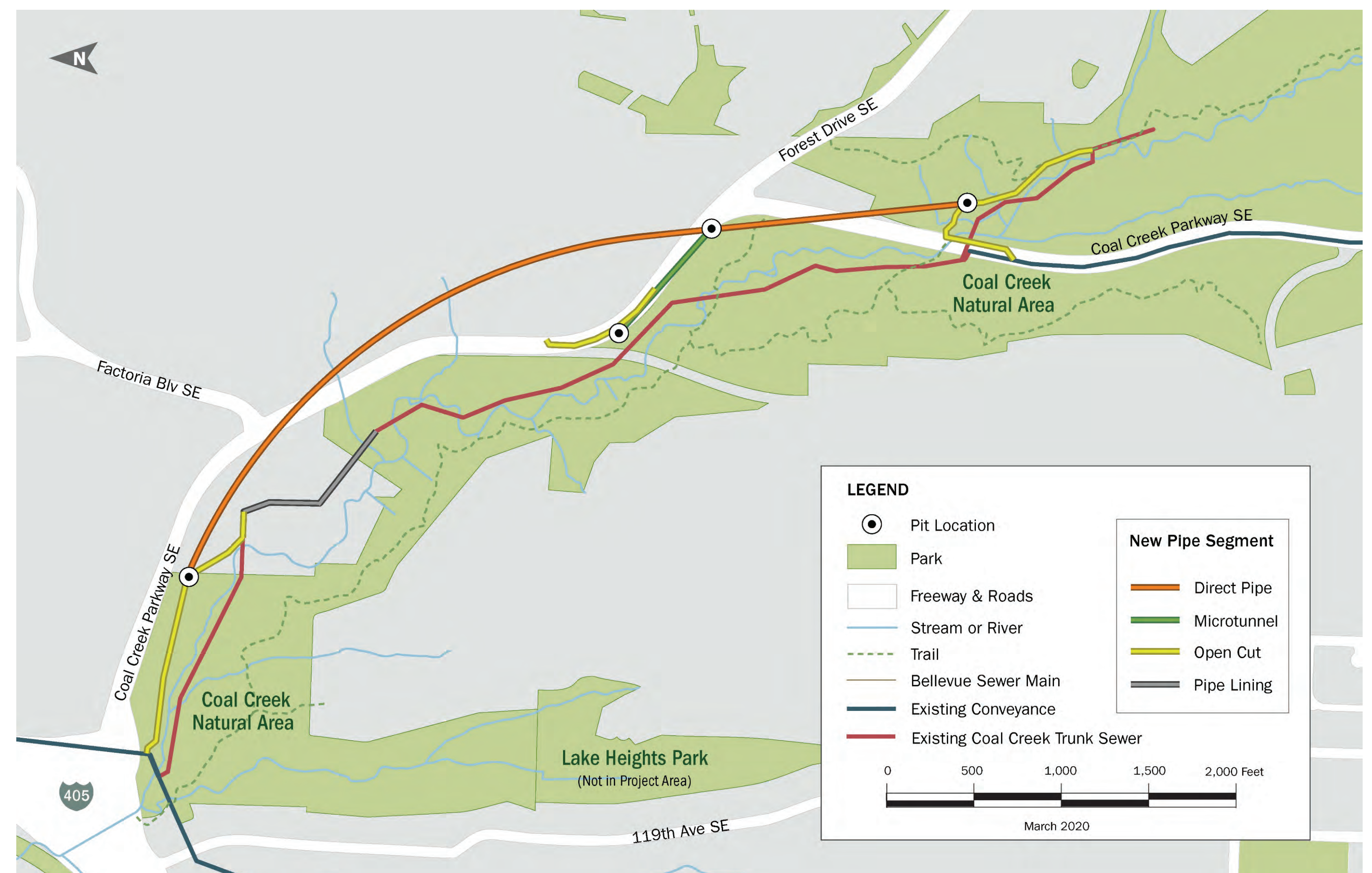
- Project need
- Work areas
- Construction
- Restoration

This is a great time to get up to date! You will have opportunities to comment on permits and environmental review later this year.



More information at www.kingcounty.gov/CoalCreekSewer
People of all abilities are welcome. Please let us know how we can welcome you. Contact Monica Van der Vieren at 206-477-5502 or monica.vandervieren@kingcounty.gov

ALTERNATIVE FORMATS AVAILABLE:
206-477-5371 / 711 (TTY Relay)



More Options

Visit our web to participate in an online open house and share your thoughts: www.kingcounty.gov/CoalCreekSewer
Contact us to discuss the project and request hard copies by mail at 206-477-5502

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Why we need this project

King County Wastewater Treatment Division (WTD) is designing a project to upgrade a part of the Coal Creek Trunk Sewer. This section of pipe needs more wastewater capacity to serve a growing area of Bellevue and Newcastle.



**Schedule is approximate and may change.*

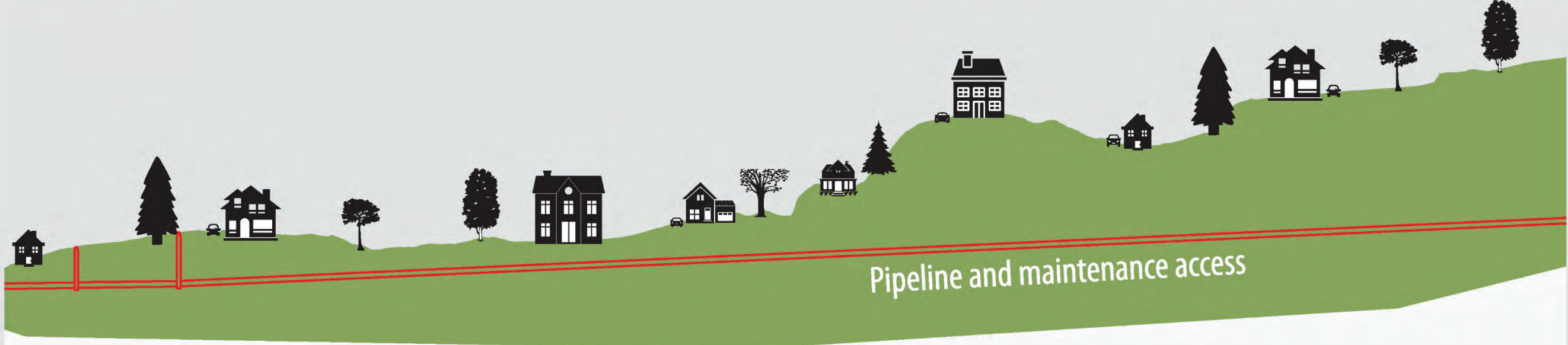
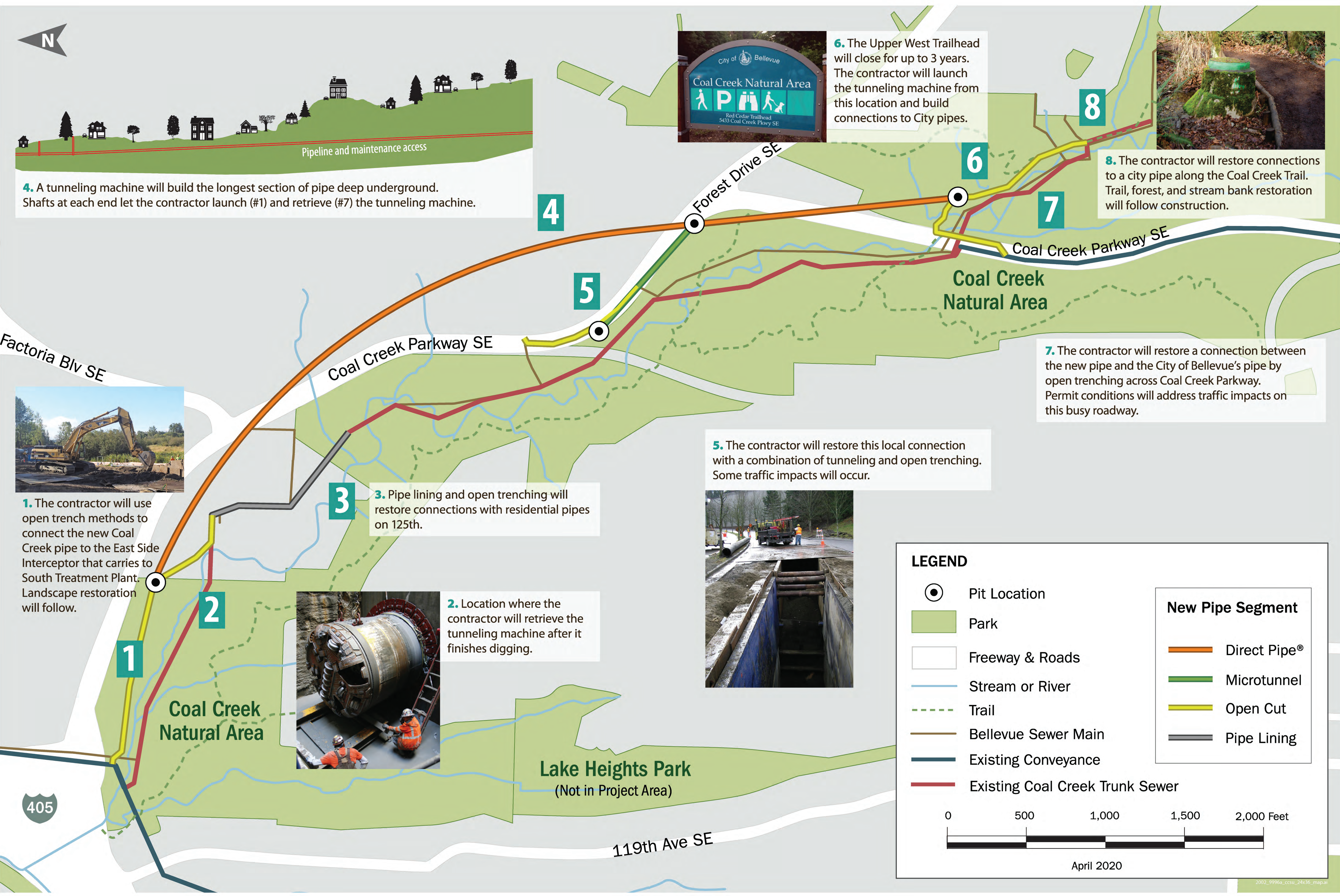
The project is in final design. Construction is expected to begin in 2022 and wrap up in 2027.

This project also gives King County the opportunity to move much of the active sewer pipe from the banks of flood-prone Coal Creek. Flooding has exposed the pipe and maintenance holes at least four times, with the most recent repair in August 2020.



Flooding in December 2019 eroded the bank around this maintenance hole (left). A temporary repair project (right) will help protect the structure until the project is completed in 2027.





4. A tunneling machine will build the longest section of pipe deep underground. Shafts at each end let the contractor launch (#1) and retrieve (#7) the tunneling machine.



6. The Upper West Trailhead will close for up to 3 years. The contractor will launch the tunneling machine from this location and build connections to City pipes.



8. The contractor will restore connections to a city pipe along the Coal Creek Trail. Trail, forest, and stream bank restoration will follow construction.



1. The contractor will use open trench methods to connect the new Coal Creek pipe to the East Side Interceptor that carries to South Treatment Plant. Landscape restoration will follow.



2. Location where the contractor will retrieve the tunneling machine after it finishes digging.

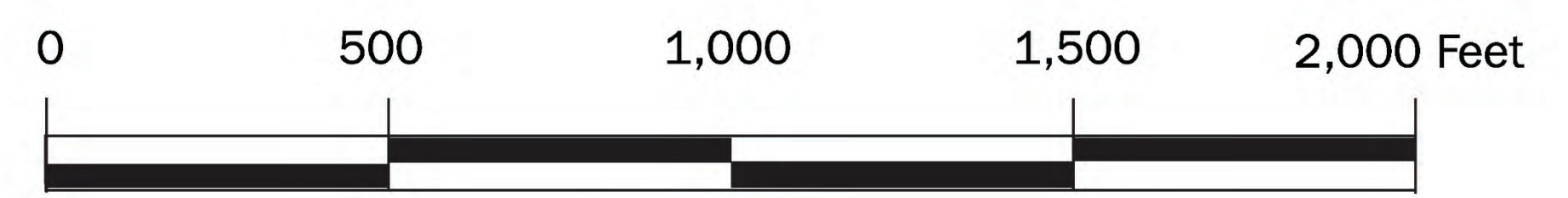


5. The contractor will restore this local connection with a combination of tunneling and open trenching. Some traffic impacts will occur.

7. The contractor will restore a connection between the new pipe and the City of Bellevue's pipe by open trenching across Coal Creek Parkway. Permit conditions will address traffic impacts on this busy roadway.

LEGEND

- Pit Location
 - Park
 - Freeway & Roads
 - Stream or River
 - Trail
 - Bellevue Sewer Main
 - Existing Conveyance
 - Existing Coal Creek Trunk Sewer
- New Pipe Segment**
 - Direct Pipe®
 - Microtunnel
 - Open Cut
 - Pipe Lining



April 2020

How will King County's contractor build the new pipe?

Trenchless construction

Construction impacts the surface at only two points, the entry and exit pits. A machine is launched at the entry pit. It digs a tunnel, sending dirt back to the entry, and installing pipe sections as it moves forward. The contractor removes the machine at the exit point.



Open trench construction

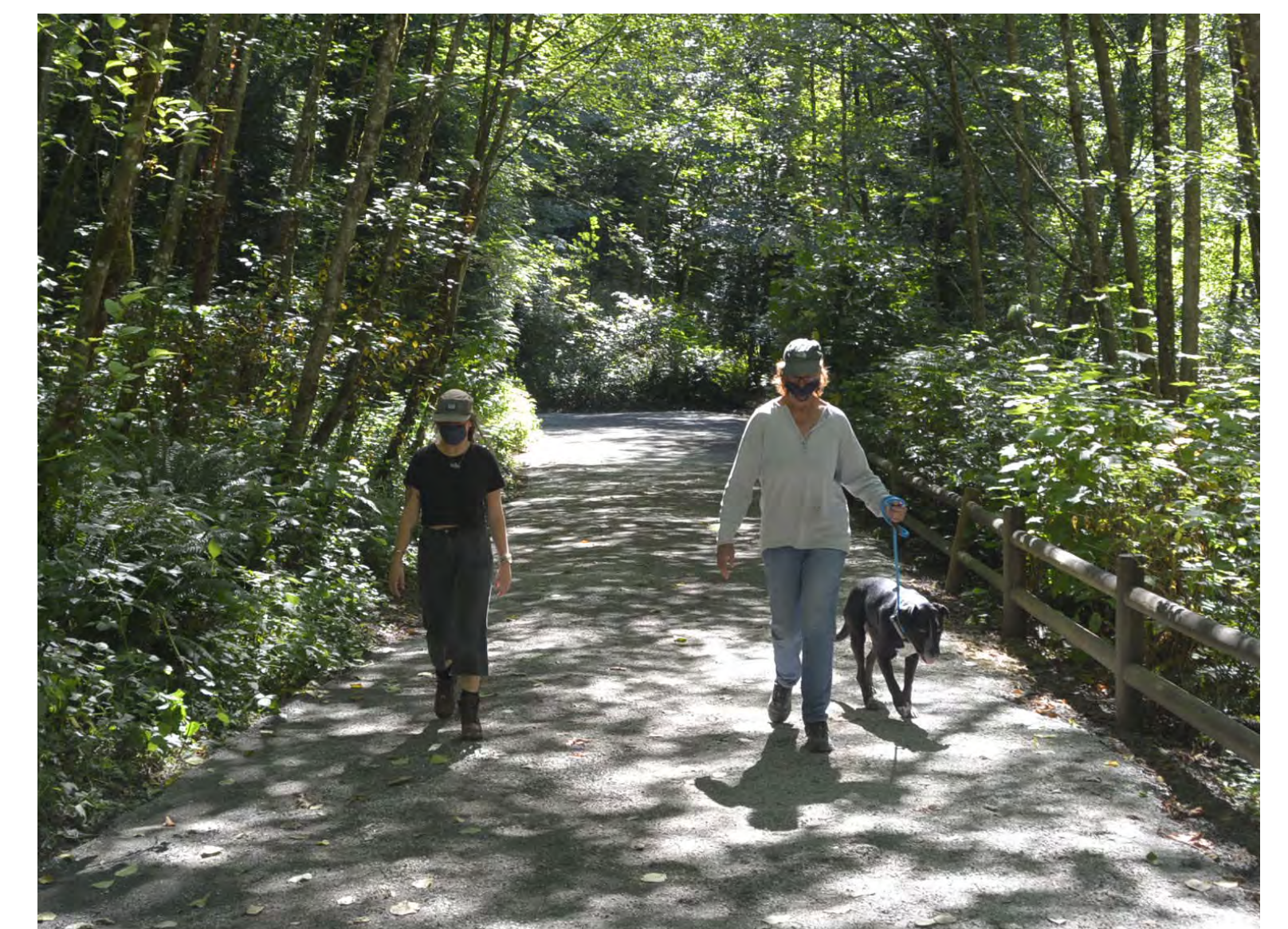
Crews dig the entire pipe path from the surface, supporting the excavation with shoring. They install the pipe and then backfill over it. Finally, they restore the surface.



Protecting people and the environment during construction

King County's contractors follow permit requirements to protect the environment and people. Our Construction Management teams oversee the work. Community Services is available 24/7 during construction to address concerns and complaints. Here are some ways we protect people and the environment:

- Approved traffic control plans to route trail users, cyclists, and vehicles
- Trail detours to get visitors around the work area
- Protection for trees near the work area
- Protection for fish during in-stream work, including moving fish before work starts
- Erosion control to protect water quality
- Surface support for equipment in soft wetland areas
- Environmental monitoring during construction



Restoring nature

The contractor will restore work areas to reviewed and approved designs. Here are some restoration highlights:

- Forested areas replanted with evergreen trees that live for generations
- Wetland areas restored to provide habitat and flood storage
- A retaining wall and streambank restoration to protect infrastructure and the trail from flooding events, while maintaining natural flows for fish
- Trailhead restoration to the previous design, with additional signage and accessible seating to help visitors enjoy nature and Coal Creek

