



# Eastgate Interceptor Sewer Rehabilitation Project Phase III

*This project is a part of King County Wastewater Treatment Division's Pipeline Corrosion Rehabilitation Program. We are repairing this line because it is less expensive and has fewer construction impacts when compared to building new pipelines.*

## When and where is this happening?

Work is expected to start in late-March and take nine months to finish. Work will be in Lake Hills Greenbelt Park, including work in the greenbelt, along trails, near the ranger station and within the garden areas. There will be a by-pass pipe extending just outside the park, crossing under Southeast 16th Street on the south end and into 154th Ave. Southeast on the north end of the project.



*King County sewer pipeline work is starting in the Lake Hills Park in April.*

**Please  
join us for an  
open house:**

**Monday, March 12, 2018, 6-8 p.m.**

**King County Lake Hills Library  
Meeting Room**

**15590 Lake Hills Boulevard,  
Bellevue**

## Why is King County rehabilitating the Eastgate Interceptor?

The Eastgate Interceptor pipeline is a part of King County's regional wastewater system. Pipelines carry wastewater from homes and businesses to our regional treatment plants. The Eastgate line is about six miles long and consists of two side-by-side pipes. A section of this line runs through the Lake Hills Greenbelt in Bellevue.

Both pipes are reaching the end of their service life. Corrosion has been detected in the pipes, including the 2,400-foot section which runs through the park. If not fixed, the pipes could fail, which could disrupt service and cause sewage overflows. This project will extend the useful life of the pipes another 50 years.



**King County**

Department of Natural Resources and Parks  
Wastewater Treatment Division

# Eastgate Interceptor Sewer Rehabilitation Project

## What does the project include?

King County will be using a lining method called 'cured in place pipe' lining, or CIPP to rehabilitate the pipes. This involves putting a resin-coated liner into the pipes at manholes. The liner is rolled out and is then cured with hot water to harden it.

The pipes need to be dry during lining, so a temporary 'bypass' pipe will be used to carry wastewater around the lining work.

## What can the community expect during construction?

Temporary roads and work pads will be built in the park to access the pipe. The Lake to Lake Trail in the park will be open, though there will be short-term closures for construction vehicles and equipment.

Temporary impacts you can expect during construction:

- Access roads, staging and work in parts of the park & garden areas
- Some overnight work; there will be some weekend work (with restrictions)
- Noise, odors, some tree and vegetation removal
- Short-term and intermittent closures of the park trail
- Short-term traffic delays on SE 16th Street
- Temporary use of some parking spaces

## What will the County do during construction to address these impacts?

- Provide regular construction updates
- Work closely with the City of Bellevue and the Master Gardeners
- Reach out to nearby residents, and to park and trail users.
- Post information in the park and along the trails
- Be available to address questions and concerns

## What can you expect at the end of the project?

King County will restore all affected areas, including the demonstration and pea patch gardens, trails, and wetlands within the park. Trees and vegetation will be replaced.

## Stay informed and sign up for project updates:

- Visit the project web site to learn more and to sign up to get email or text notices [www.kingcounty.gov/environment/wtd/Construction/East/Eastgate.aspx](http://www.kingcounty.gov/environment/wtd/Construction/East/Eastgate.aspx)
- Questions? Concerns? Contact David Freed: 206-263-9453, [david.freed@kingcounty.gov](mailto:david.freed@kingcounty.gov)



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*King County is working closely with the City of Bellevue and the Master Gardeners on this project.*

# Eastgate Interceptor Project Overview

Work areas for pipe repairs

Intermittent use of the trail to move equipment

Work areas for pipe repairs

Demo garden shed and some plants moved temporarily

Temporary construction road

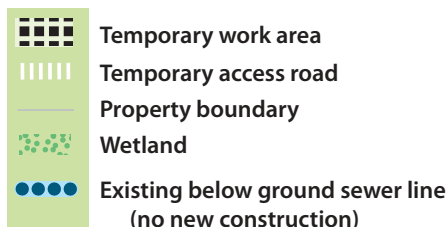
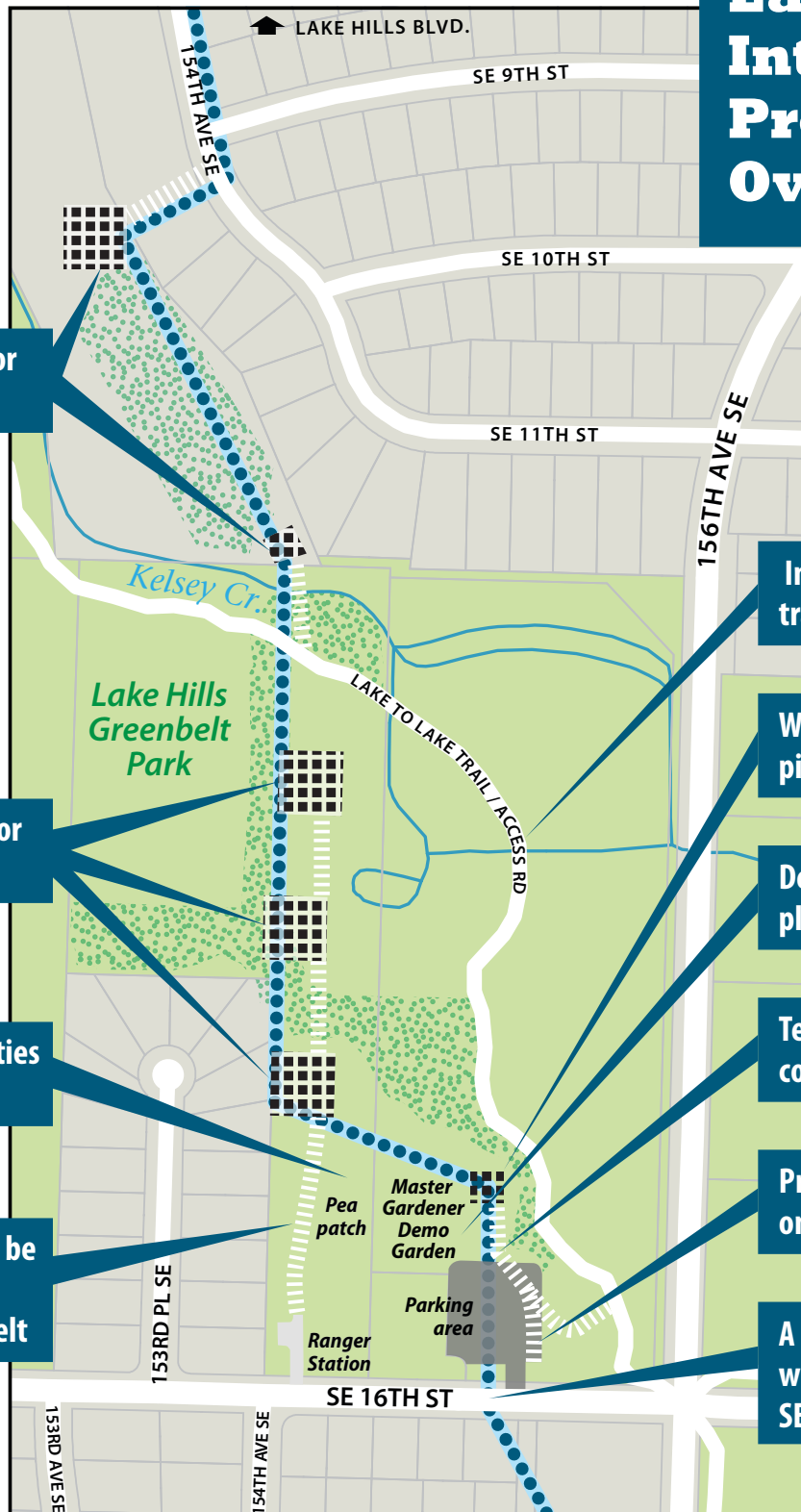
Project will take up one row of parking

A dewatering pipe will be buried under SE 16th Street

Work areas for pipe repairs

Impacts to park activities will be temporary

A temporary road will be built from the ranger station to the greenbelt



# Eastgate Interceptor Sewer Rehabilitation Project

## What causes corrosion in sewer lines?

Two naturally occurring substances in wastewater are bacteria and sulfates (found in dissolved minerals). As part of their life cycle, the bacteria convert the sulfates into hydrogen sulfide. This creates much of the odor we smell in sewage, but more importantly, hydrogen sulfide can be converted to acids, and in larger amounts can cause corrosion and damage to concrete sewer pipes.

King County has a program to identify and repair pipes which are being damaged by corrosion. The County is also trying to reduce the amount of hydrogen sulfide created in the pipes and reduce its impacts by:

- Looking at how we operate our system so the bacteria and sulfates don't have time to linger and convert to hydrogen sulfide.
- Using pipe materials which are not as susceptible to hydrogen sulfide corrosion.
- Adding chemicals into the system which can reduce the growth of hydrogen sulfide.

