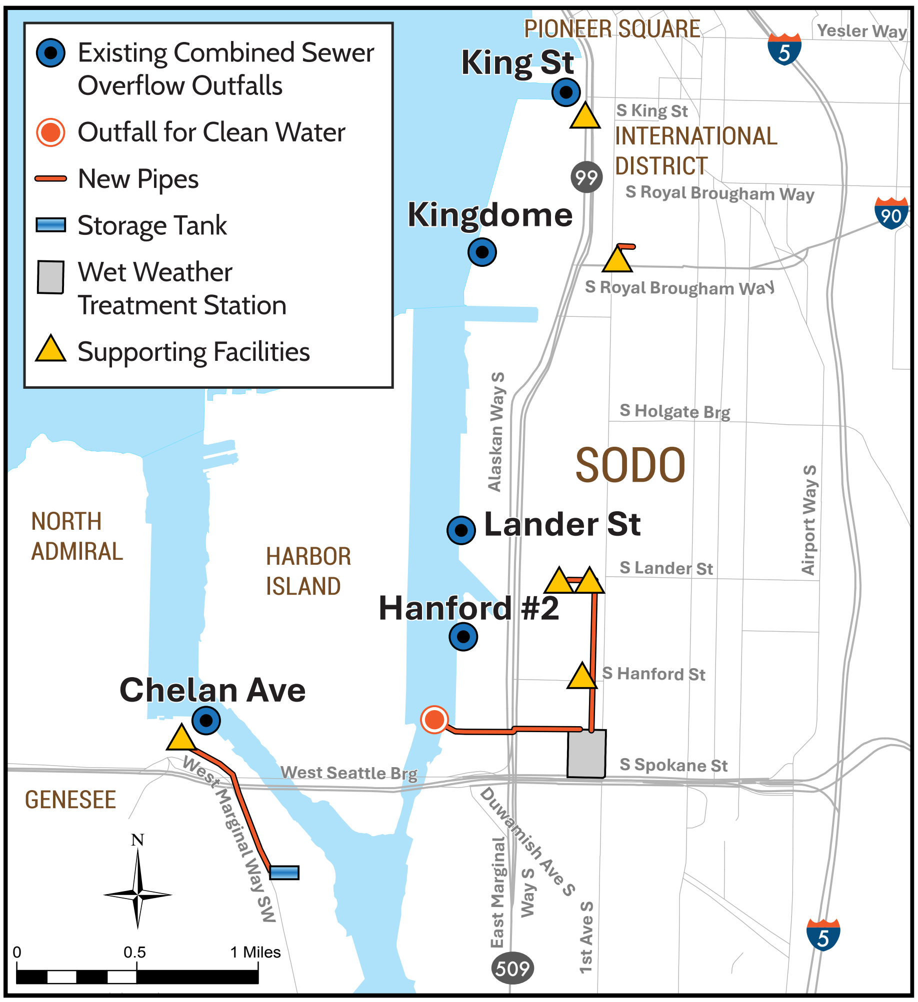
Mouth of Duwamish Wet Weather Facilities

King County Wastewater Treatment

Combined Sewer Overflow (CSO) Control Program

Proposed Facilities Fact Sheet

King County has proposed a solution to control overflows from five combined sewer overflow (CSO) outfalls at the mouth of the Duwamish River. The proposed solution includes a new wet weather treatment station in SODO and a new storage tank in West Seattle (Industrial District West). It also includes a new outfall for cleaned water, supporting facilities, and new pipes to connect flows along the way. Together, these facilities will control CSOs from the five project outfalls.



Outfall for Clean Water: After leaving the new wet weather treatment station, clean water will be released into the Duwamish River from a new outfall between SODO and Harbor Island.

New Pipes: We will install new pipes to connect the new wet weather treatment station and storage tank to the existing system serving homes and businesses.

Supporting Facilities: New and upgraded above- and below-ground facilities will connect the wet weather treatment station and storage tank to the existing system and direct flows on rainy days. We will share more information about the location of these facilities, once available.

Storage Tank: The storage tank will help control CSOs by holding combined stormwater and wastewater that would otherwise overflow into the Duwamish River during large rainstorms. Once heavy rain subsides, the combined stormwater and wastewater held in the storage tank will flow back into pipes and on to West Point Treatment Plant for cleaning.

Wet Weather Treatment Station: During periods of heavy rain, stormwater and wastewater that currently overflow into the Duwamish River will be directed to the wet weather treatment station. There, the combined stormwater and wastewater will be cleaned before it is released into the Duwamish River.

The best solution

This project will prevent 430 million gallons of polluted water from entering Elliott Bay and the Duwamish River every year on average. We will need a wet weather treatment station and a storage tank to solve this problem. We studied many different options combining proposed facilities in different locations. Here is why we identified the proposed solution as the best option.

Community and social impact: For each option, we studied disruptions to public transportation and impacts on people traveling on local roads. We also considered potential business displacements and overlapping project impacts. During environmental review and the design phase, we will share more information about specific impacts and how we plan to address them.

Cost: King County is committed to being good fiscal stewards of ratepayer dollars. The proposed solution was the option with the lowest cost. This is because the wet weather treatment station and storage tank are close to the Duwamish River and existing sewer connections. This means that the proposed solution requires less construction for new pipes compared to other options and lower costs to build these new connections.

Environmental impacts: The proposed solution will provide water quality benefits to the Duwamish River and Elliott Bay. We are beginning an environmental review of the proposed solution under the State Environmental Policy Act (SEPA). This process will help us identify the environmental impacts of the proposed solution and plan for ways to address these impacts.

Operations and maintenance: King County wastewater operators must be able to safely run and maintain the future facilities for many years after construction is complete. The proposed solution performed well because it provides the right amount of space for operations. It also provides enough space for flexibility to adapt to a changing climate and other future needs, including changes to regulations.

Schedule: Our goal is to control overflows from project outfalls as soon as possible. We must also meet the timeline outlined in our regulatory requirements. Zoning, permitting complexity, and construction methods all influence our timeline to deliver this project. The proposed solution will take less time to build compared to other options we considered because it requires less construction for new pipes.

What's next?

Now that we have a proposed solution, we will move into environmental review and regulatory agency review. We will also start the design phase.

PLANNING	DESIGN	CONSTRUCTION
January 2024 – May 2025	**May 2025 – 2029**	**2029 – 2034**

Timeline subject to change

Contact us

Contact Bibiana Ocheke-Ameh at DWetWeafacilities@kingcounty.gov or 206-477-5604 with questions or to request a briefing for your organization.

Visit kingcounty.gov/MDWetWeatherFacilities or scan the QR code to learn the latest updates about the project.

Alternative Formats Available

Call 206-477-5371 or 711 (TTY)