King County

Department of
Natural Resources and Parks
Wastewater Treatment Division
King Street Center
KSC-NR-0503, 201 S. Jackson S.
Seattle, WA 98104-3855

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Construction is coming!

Details and information are inside.

Want more information?

- Read project site signs
- Receive progress updates via email or a flyer upon request
- Review mailings at key project milestones

Other project information resources

- West Seattle blogs and newspapers
- Notices posted on Lowman Beach Park and Lincoln Park community boards
- Notices posted at local West Seattle businesses

If you want to contact the project team…

Call the project hotline: 206-205-9186
Email: doug.marsano@kingcounty.gov
Submit comments online at project website by searching for "Murray CSO" at **www.kingcounty.gov**

The project team is available to answer questions 24 hours a day.
Every project inquiry will receive individual attention.

STAY SAFE! Please avoid the site or engaging workers.

Alternative Formats Available
206-477-5549 (voice) or 711 (TTY)

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CONSTRUCTION STARTS SOON! DO YOU HAVE THE INFORMATION YOU NEED?

What is King County building?

King County has hired Shimmick Construction to build a one-million gallon underground storage tank across from Lowman Beach Park on Beach Drive Southwest in West Seattle. The facility will help clean up Puget Sound by storing excess sewage and polluted stormwater during storms that would otherwise overflow into Puget Sound.

Protecting public health and the environment

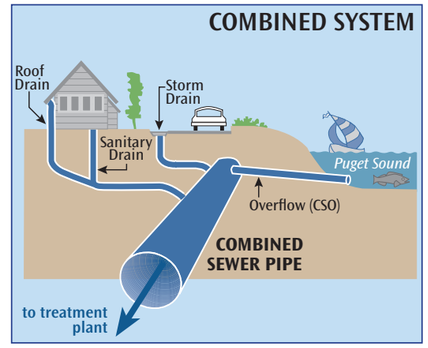
Keeping pollution out of Puget Sound protects public health and the environment. West Seattle's wastewater and stormwater is transported through King County's pipes to the County's treatment facility in Magnolia.

To protect against sewer spills into homes and streets, the County system has built in safety valves called "Combined Sewer Overflows" (CSOs) that direct excess flows to Puget Sound during storms when the sewer system is full. This new storage facility will hold the excess flows during storms and then return them to the County wastewater system for treatment.

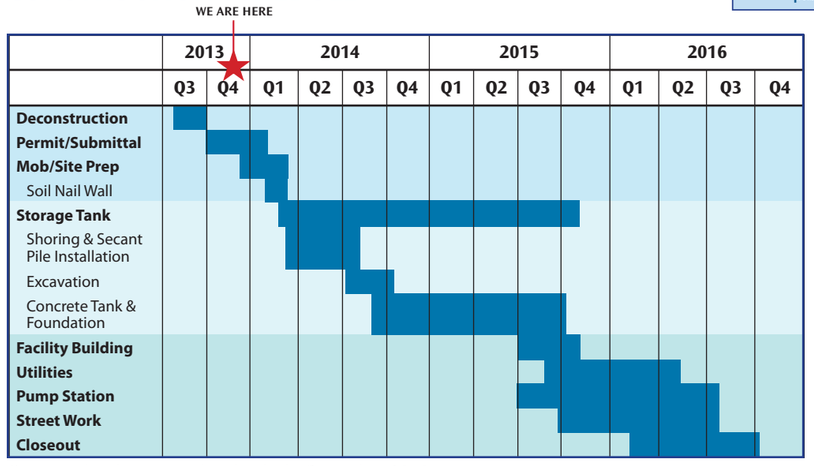
Basin Description and Requirements:

- 992 acres
- Murray CSOs
  - Average 5 events per year
  - Average 5 million gallons per year
- Control requirements
  - 1,000,000 gallons of storage
- Other required elements
  - Odor control
  - Stand-by generator

The project will keep sewage and polluted stormwater out of Puget Sound.



CONSTRUCTION SCHEDULE



Construction is expected to begin in December 2013.

For more information or to join project mailing list:

Call: 24-hour project hotline at 206-205-9186

Email: doug.marsano@kingcounty.gov

Web: Search "Murray CSO" at **kingcounty.gov**

HOW WILL THE FACILITY BE BUILT?

1

Stabilize the hillside

The contractor will install soil nail walls by inserting steel rods into the hillside and attaching screens to them. Reinforcing the rods and screens with concrete adds stability to the walls and controls erosion.

Control groundwater

A drill will install over 100 interlocking concrete cylinders called secant piles. These cylinders will extend into the ground to create a watertight ring that reduces the need for groundwater removal and safeguards against settlement.

2

3

Position the storage tank underground

The watertight ring will measure nearly 100 feet wide and 80 feet deep. Building the tank will require excavating enough material to fill Colman Pool twice!

4

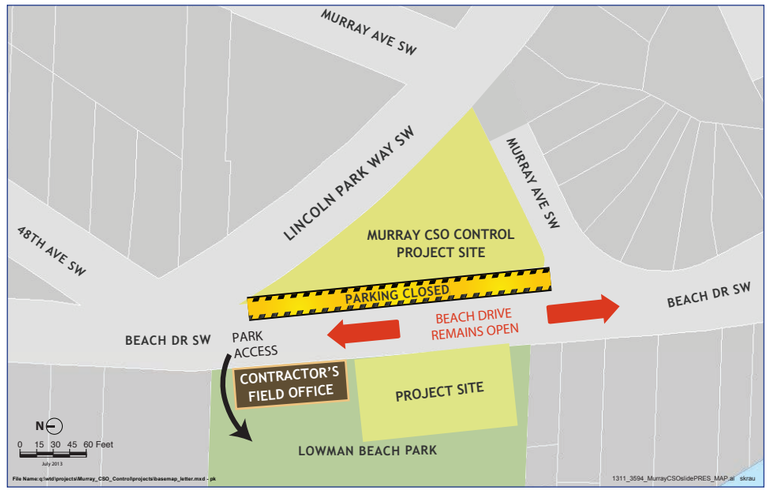
Build the storage tank interior

To prevent the high groundwater from dislodging the tank, a 20-foot thick concrete slab will be installed below the tank. Crews will then build forms and pour concrete above the slab for the tank, the building walls and support columns, the tank's roof, and a view deck.

5

Connect the storage tank to the existing wastewater system

The tank's power, water, ventilation and overflow pipes will run beneath Beach Drive Southwest to connect to the County's pump station in Lowman Beach Park. The excavation in Beach Drive will be sequenced to keep the road open. A steel plate will cover the excavated trench after work hours.



Lowman Beach Park and nearby roads will remain open during construction.

WHAT TO EXPECT

- Work hours: 7 a.m. - 6 p.m., weekdays
- Heavy equipment, increased activity and noise on and around the site
- Beach Drive Southwest will remain open
- No parking on the eastern side of Beach Drive Southwest
- Lowman Beach Park facilities, beach remain open
- Increased truck traffic, especially on Beach Drive Southwest and Lincoln Park Way Southwest

HOW WILL THE FACILITY FIT INTO THE NEIGHBORHOOD?

Lowman Beach and Lincoln Park users, community members and neighbors worked closely with the King County project team to develop a design that fit with the community. The facility design incorporates the common themes the community identified:

- Minimize "industrial facility" feel
- Encourage views of Puget Sound
- Discourage through traffic down Beach Drive
- Enhance continuous space between Lowman Beach Park and the facility site

The new facility will be located east of Lowman Beach Park.

PROJECT ART

The facility's public space and staircase to Lowman Beach Park will feature installations made out of "rammed earth" – highly compressed soils – taken from the site. Rammed earth is as durable as concrete and a much more environmentally sound material. All rammed earth features will be sealed to protect against graffiti and the marine environment.