

North Beach CSO Control Project



King County

Department of
Natural Resources and Parks
Wastewater Treatment
Division

PROGRESS UPDATE AND NOTICE OF EXTENDED WORK HOURS ON SATURDAY, AUGUST 30

King County's contractor, Stellar J Corporation, will begin work on **Saturday, August 30 at 7 a.m.** We received a noise variance from the City of Seattle, and can now work earlier than the permitted work hours on Saturdays. The contractor will continue to haul *spoils*, a mix of dirt and slurry created by the shoring process, off-site. The drilling process is proceeding faster than expected, and we need to keep up with spoils production – especially considering our limited working area.

We will continue to work Saturdays throughout September in order to finish the shoring process as quickly as we can. We expect to be done by early October. Additional noise variances may be required for us to continue working earlier than 9 a.m. on Saturdays. We will notify neighbors in advance if these additional noise variances are necessary. Once shoring is complete, the large equipment on site – including the batch plant (silos), drill rig, and large crane – will be removed.

This method of shoring was chosen by the contractor because it creates less vibration than many other methods. The contractor is required to meet vibration limits set by King County. An additional benefit of this method is that it results in a narrower excavation that is farther from homes.

24/7 Construction Hotline:

(206) 296-7372

Leave a message, and a project team member will return your call.

Project Website:

www.kingcounty.gov/environment/wtd/Construction/Seattle/NBeachCSOStorage

Project work hours

Weekdays: 7 a.m. – 6 p.m.

Saturdays: 9 a.m. – 6 p.m.

The contractor can apply for a noise variance from the City of Seattle to work outside of the standard hours.

Upcoming Saturday work days:

August 30 (beginning at 7 a.m.),

September 6, September 13,

September 20, September 27



The drill rig (CSM machine) used to create panels for the shoring system for the combined sewer overflow (CSO) storage tank. Read more on the back.

Continued on back

ALTERNATIVE FORMATS AVAILABLE

206-477-5371 / 711 (TTY Relay)

What's happening on site?

Our contractor is working hard to complete the shoring process as quickly as possible. Here's an overview of what's been happening on-site the last few weeks:

- Shoring began, using the “soil mix walls” method. The large drill (pictured right) enters the ground and mixes soil with a specialized grout, which is made on-site in the batch plant (two white silos pictured below, left). The drill digs and mixes to a depth of up to 75 feet and is then brought to the surface. Structural beams are then inserted into the soil-grout mixture, using the large crane.
- Shoring is installed in panels, which generally takes about 3.5 hours per panel. Once drilling begins for a panel, it must be finished at that time. If the drill hits hard soils, the process can take longer. There are about 73 panels total for the shoring system.
- Shoring was completed for the new mechanical/electrical building, located on the North Beach Pump Station site. Excavation continues for the building (pictured below, right). Once excavation is complete, concrete will be poured to lay the foundation for the building.



The crane inserts a beam into the shoring panel, before the grout mix cures and hardens. Each panel must be completed once it has been started.



Specialized grout is made on-site in the batch plant. Grout is made on-site to ensure a grout mix of the quality and specification required.



Excavation for the new mechanical/electrical building has begun. After the area is excavated, a concrete foundation will be poured.

Can you turn down those backup alarms?

Several neighbors have called to ask about turning our alarms down. Backup alarms, and alarms on swinging equipment, are required by law to protect worker safety. Our alarms are especially critical for workers in constrained sites, like our construction area at North Beach.

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