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53rd Avenue Pump Station Upgrade Project • Construction Update • Winter 2008

## Being a good neighbor during construction

This is the project's first construction newsletter. We will be hand delivering copies to our closest neighbors in early February to answer any questions or concerns you have.

If we do not find you at home or at work, and you would like more information, please contact us. We will also mail the newsletter to community members.

If your organization or association would like a briefing about upcoming construction, you have remaining questions or would like

to be added to our mailing lists, please contact Martha Tuttle at 206-684-1207 or [Martha.Tuttle@kingcounty.gov](mailto:Martha.Tuttle@kingcounty.gov). You can also call the 24-hour construction hotline at 206-205-5656.

King County is committed to being a good neighbor during construction and working with neighbors to minimize impacts. Throughout our work, our community relations team will provide you with:

- Advance notice of construction activities
- One-on-one meetings with neighbors to discuss activities and concerns
- Community briefings
- Project Web site, construction newsletters and updates
- **A 24-hour construction hotline at 206-205-5656.**

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*Creating Resources from Wastewater*



## Construction begins on 53rd Avenue Pump Station



*The 53rd Avenue Pump Station will remain underground but will be about three times as large. King County designers worked with neighbors and property owners to help plan the above-ground structures required for the upgraded facility. Air circulation vents, a generator stack, a fire hose hook up and a backflow preventer will be the only above ground features.*

### For More information:

- Contact **Martha Tuttle** at **206-684-1207** or [martha.tuttle@kingcounty.gov](mailto:martha.tuttle@kingcounty.gov) to answer your questions and concerns. Please ask us to add your name to the project mailing list or e-mail list.
- View the project Web page at <http://dnr.metrokc.gov/wtd/projects/westseattle/53rdAvePS/>.

Construction will begin in February on upgrades to the King County 53rd Avenue Pump Station in West Seattle. This underground wastewater facility, located on the west side of Alki Avenue Southwest, is more than 50 years old and in need of repairs, new equipment and more underground space.

The upgrade, which will take about 20 months to complete, will improve pump station performance, and provide safe on site access for operation and maintenance crews as well as improved off-site monitoring for King County's regional wastewater system.

### Why upgrades are needed

King County protects public health and the environment by conveying and treating the region's wastewater through a complex and integrated system of pipelines, pump stations, treatment plants and other related facilities.

Like other older wastewater facilities, the 53rd Avenue Pump Station does not meet current code or design standards and requirements. Current improvements will increase reliability and help to manage combined stormwater and wastewater flows from nearby and surrounding neighborhoods. The

upgrades will also help to reduce overflows to Puget Sound.

In recent decades population density has increased in many areas of West Seattle. Today there are more multifamily dwellings throughout the area increasing the need for updated facilities. In addition, recent storms in the Pacific Northwest have underscored the need for modern wastewater facilities with the capability to handle increased flows produced by winter weather.

To manage wastewater flows, it is important that facilities function together as part of one region wide system. Upgrades to the 53rd Avenue Pump Station will also help King County integrate operations with the nearby Alki Stormwater Treatment Plant and larger King County wastewater treatment plants to the south and north.

The current 53rd Avenue Pump Station was built in 1953 and upgraded in 1962 and 1985. Current improvements have been designed to expand the underground facility in order to maintain neighborhood views.



## What to expect during construction

Construction on the 53rd Avenue Pump Station upgrade is expected to take about 20 months with completion in summer 2009. Throughout this project King County will work closely with its contractor, MKB Constructors of Kirkland, Washington, to minimize impacts to the community, respond to concerns and provide information about work activities and traffic revisions. A 24-hour construction hotline at 206-205-5656 will be available to all community members to report and discuss concerns and questions about the project.

### Traffic revisions

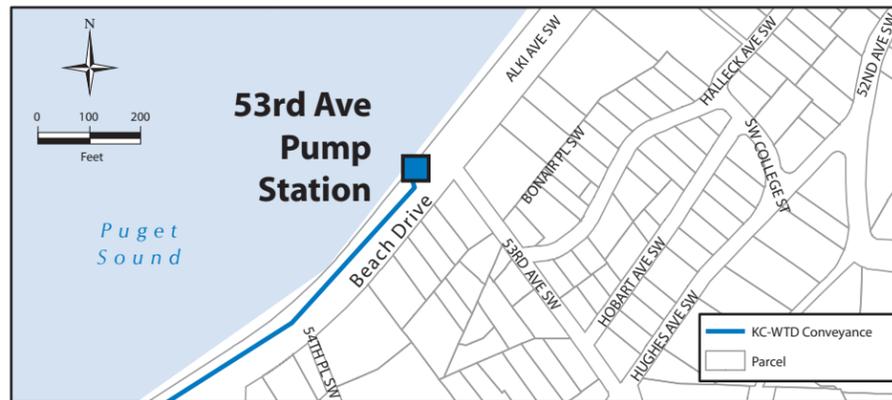
Because it will be necessary for the construction to extend into the public right of way of Alki Ave SW, traffic will be reduced to one lane in each direction on the south side of the street for most of the 20-month project.

Details about how traffic will flow around the work site will be approved by the City of Seattle soon and provided to community members in a construction update, on the project Web site at <http://dnr.metrokc.gov/wtd/projects/westseattle/53rdAvePS/> and at briefings to community groups.

### Hours of construction

Daily work hours will be from 7:00 a.m. to about 6:00 p.m. Monday through Friday. On some occasions, it may be necessary to work on weekends or longer hours to complete certain phases of work.

During work hours, flaggers will direct motorists, bicyclists and pedestrians. At times, people may experience short delays especially



Traffic will be routed around construction. Flaggers will direct motorists and pedestrians during daytime work.

during summer months when there are more beach and park users in the area. All walkways around construction and in pedestrian areas will be accessible for people with disabilities.

During non-working hours signage will direct people around the work site.

### Parking, deliveries and driveway access

To help accommodate traffic flow, on-street parking along Alki Ave SW will not be allowed in the immediate area of construction.

Emergency access will be maintained at all times.

King County and its contractor will work to maintain access to nearby driveways to single family homes, multifamily and commercial buildings, as well as for mail carriers and other deliveries.

Because parking is already limited in the area, contractor work crews will be required to park all personal vehicles at the nearby King County Alki Stormwater Treatment Plant and shuttle to and from the job site.

A temporary bike and walking path will also be provided next to the construction area.

### Bus Stops

Seattle Department of Transportation and Metro Transit have determined that during construction it is necessary for public safety reasons to temporarily close four bus stops along Alki Avenue near 53rd Avenue SW. These bus stop closures will result in increased on-street parking for the near neighbors during construction. Metro Transit has already issued a Rider Alert that includes the following information.

The four stops that will be closed along Alki Avenue SW are:

Inbound to Seattle at 55th Avenue SW and 53th Avenue SW and outbound from Seattle at Bonair Drive SW and 53rd Avenue SW. Please call the Construction Hotline at 206-205-5656 if you have concerns about being able to access transit.

School bus stops may also be moved temporarily to accommodate traffic flow. Individual schools will contact parents if changes in stop are required.

## Community input considered during design

During planning, King County officials listened to community requests about how to design the upgraded wastewater facility. The primary concern of neighbors was to maintain views to Puget Sound from Alki Ave SW. As a result, the final design keeps the facility underground. The new underground footprint will be about three times as large as the existing pump station and extend about 80 feet further to the south than the existing pump station. All of the added space will be below ground.

When completed, crews will be able to access the facility for maintenance and operations from a hatch located next to the sidewalk and bike path on the beach side of Alki Ave SW., the same as is currently used.

The facility will require four small vents above ground, which will be attached to an existing light pole. The only other above ground features will be:

- A stainless steel stand alone generator exhaust stack 20 inches in diameter by 10 feet high
- A fire sprinkler hook up
- A 6-foot long by 3-foot wide and 4-foot high back-flow preventer.

All will be located near the existing light pole.

Below ground, the new pump station will have an upgraded electrical system, added mechanical equipment including new pumps, a larger odor control unit and a stand-by generator that will allow quick response if power is lost to the pump station.

As part of this project, the King County Beach Drive Interceptor sewer will be inspected near 62nd Avenue Southwest and Alki Ave SW. This will require a small trench near the intersection later in 2008.

## How work will occur

Work at the pump station will be completed in an open excavation about 18 feet deep. The site will be secured with chain link fencing. Crews will conduct most activities in the excavation but some tasks will also occur above ground inside the fence.

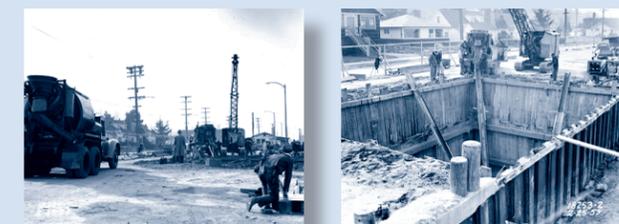
### Work Schedule and Activities

<b>Mid-February 2008</b>	Preparing the site for construction
<b>Winter/Spring</b>	Delivery of materials to the site and relocation of some nearby utilities
<b>Spring 2008-Summer 2009</b>	Excavation and construction of underground floor and walls for pump station
<b>Spring/Summer 2009</b>	Removing outdated and installing new equipment and pipelines
	Installing pump station lid, hatches and above ground features
<b>Fall 2009</b>	Testing and start up of the upgraded facility and restoring property surrounding the work area

During work at the pump station, soils will be removed and materials will be delivered by truck. Flaggers will direct traffic around short-term loading and unloading of trucks.

### Original 53rd Ave Pump Station Construction

In 1953, 1962 and 1985, when the pump station was constructed and updated, the work site looked strikingly similar to how it will look when work gets underway this winter.



Large equipment and construction materials will be here as the underground pump station is again improved.

Construction shown here in 1953 at the site of the original 53rd Avenue Pump Station. The facility was later upgraded in 1962 and 1985.