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SUMMER 2005

**Juanita Bay Pump Station  
 Replacement Project**  
**Come to a Preconstruction  
 Information Meeting!**  
**Sept. 20, 5-7 p.m.**

Alternate Formats and Disability Accommodations  
 by calling 206-263-6029 or 711 (TTY).

**MORE INFORMATION?**

- Call the 24-hour construction hotline at 206-205-3898. A staff person will be paged and will respond promptly.
- Contact Jennifer Kauffman, King County Wastewater Treatment Division, at 206-263-6029 or [jennifer.kauffman@metrokc.gov](mailto:jennifer.kauffman@metrokc.gov). Ask to be added to the project mailing list or e-mail list.
- Visit the project Web site at <http://dnr.metrokc.gov/wtd/projects/Juanita>.

**We will keep you informed during construction!**

- King County will keep you informed about upcoming work. We will:
- Distribute fliers and e-mail alerts - and update our Web site regularly.
  - Operate a 24-hour construction information phone line to respond promptly to questions and deal with any problems that may arise.
  - Brief community and neighborhood groups on request.
  - Offer community meetings to explain upcoming activities and answer questions.

**Construction of new pump station  
 to begin in summer 2005**

King County protects public health and the environment by conveying and treating the region's wastewater. The county must replace its Juanita Bay Pump Station, at 9290 Juanita Drive N.E., to increase capacity and ensure safe and reliable operation for the next 50 years. The new station will pump up to 31 million gallons per day of wastewater to the county's regional treatment plant in Renton.

King County will build the new pump station across the street from the existing pump station (see map below). It will be an attractive, landscaped building designed to fit with the neighborhood.

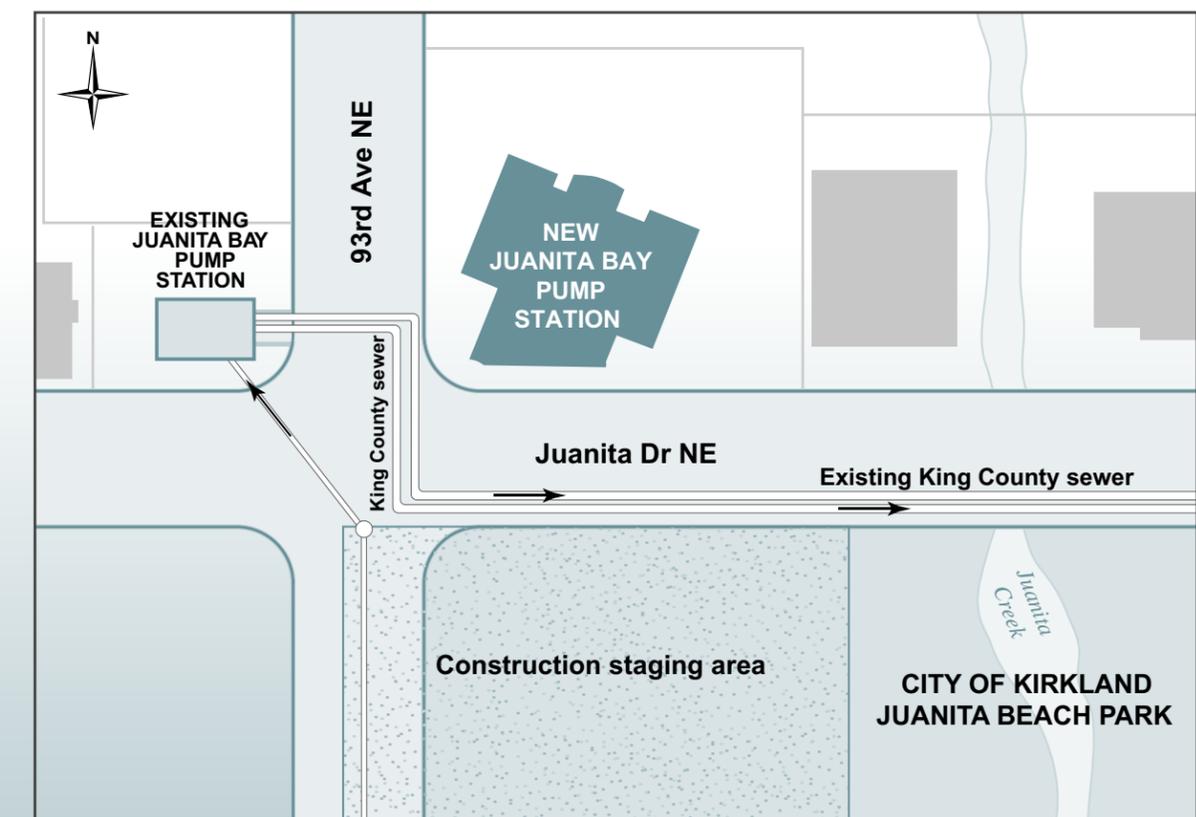


**You're Invited to a  
 Preconstruction On-Site  
 Information Meeting!**  
**Tues., Sept. 20, 5-7 p.m.**

To learn more about the project and to meet the people who will be working in your neighborhood, please stop by the new pump station site on Tues., Sept. 20, between 5 and 7 p.m. Light refreshments will be served.

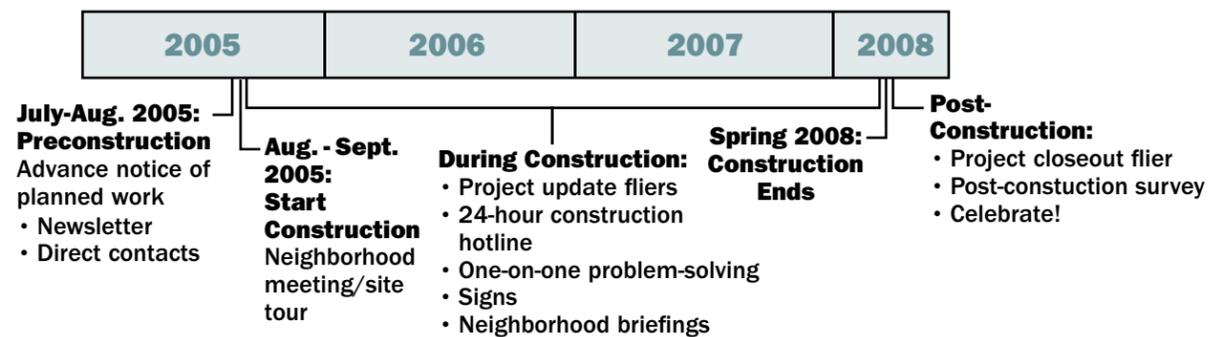
**The new pump station site is located  
 at 11700 93rd Avenue N.E.  
 Just look for the tent!**

**JUANITA BAY PUMP STATION**

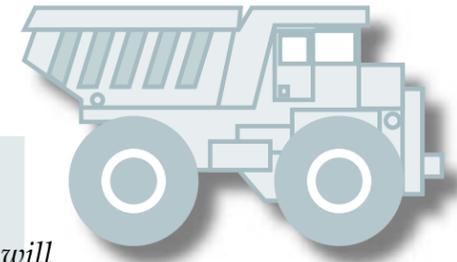


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**Projected Juanita Bay Pump Station Replacement Project Timeline**



# Juanita Bay Pump Station Replacement Project



## What work is being conducted?



Removing a secant pile casing.



Drilling a secant pile.

Construction will begin in summer 2005 and last about two and a half years. Key project activities will include:

- Installing sound walls and mobilizing equipment at the future pump station site
- Fencing the construction staging area at the west end of Juanita Beach Park
- Building and excavating the pump station foundation
- Building the pump station
- Installing equipment in the building and on the pump station site
- Tunneling a new sewer from Juanita Beach Park to the pump station
- Building underground utilities in 93rd Ave NE between the existing and new pump station sites
- Landscaping the site and restoring the staging area in the park

King County's contractor will first set up a fence around the construction staging area. Workers will install sound walls next to apartments and condominiums, and then bring equipment and supplies to the site.

The new pump station will be about 70 feet deep and have several underground levels. The contractor will build the pump station foundation using a method called secant piling. Secant piles are vertical holes drilled into the ground and filled with concrete. The piles will be placed next to one another and overlapped or interlocked to form a circular wall. The wall will hold back surrounding soil while the inside soil is excavated. The wall also will be the foundation for the new pump station.



The most disruptive work, to include constructing the pump station foundation and building, will take place during the first year or so. Neighbors can expect large equipment, trucks delivering concrete and other materials, trucks hauling dirt, and associated construction noise, traffic and activity.

A new sewer will be tunneled from the construction staging area in Juanita Beach Park, under Juanita Dr NE, and to the basement of the new pump station. This method will minimize traffic impacts on Juanita Dr NE.

The contractor will dig a large pit in the park to provide access for the

microtunneling machine. Workers will build walls to hold back the soil while the soil inside the hole is removed. After the excavation, microtunneling will begin. A boring machine that is remotely controlled from the surface will dig the 6-foot-diameter hole. A 5-foot-diameter pipe will be installed behind the boring machine.

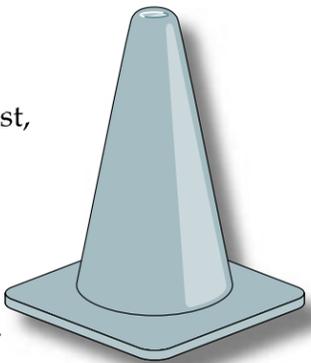
Next, the contractor will build the pump station and then install and test equipment.

After construction ends, the microtunnel access shaft in the park will be backfilled, the park will be restored, and the pump station site will be landscaped.

## What will be done to minimize impacts?

King County works hard to ease the impacts of construction on the community. Here are some examples:

- Most construction noise and activity will take place weekdays between 7 a.m. and 5 p.m.
- Limited work may be required at night, when wastewater flows are lowest, to complete certain tasks.
- The pump station site and construction staging area will be fenced.
- Sound walls will be built on two sides of the pump station site, near adjacent apartments and condos.
- Access to residences and Juanita Beach Park will be provided at all times.
- Traffic will be directed and controlled to ensure safe travel around the construction area.
- Work will be done safely and as quickly as possible.
- County staff will be available 24 hours a day to respond to questions and concerns.
- The contractor will restore the staging area and landscape the pump station site after work is complete.



Clean water— a sound investment.