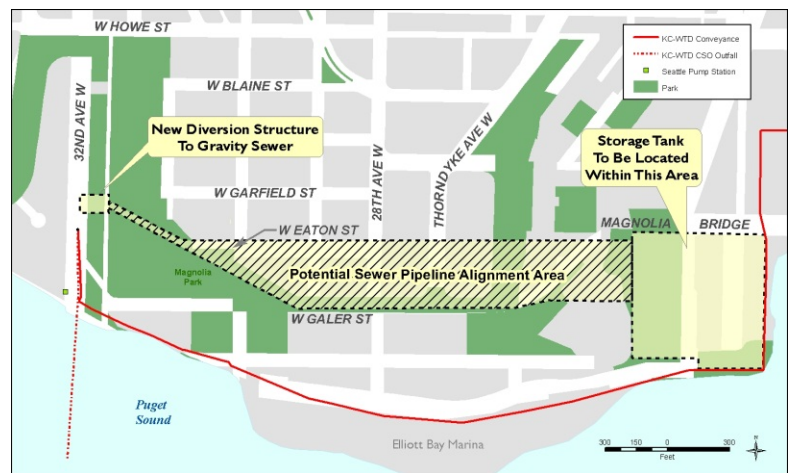




## **Geotechnical Field Investigations in Magnolia**

### **Work Beginning the Week of September 26, 2011**

To support design of the Magnolia Combined Sewer Overflow (CSO) Control project, King County will conduct geotechnical investigations to evaluate soil and groundwater conditions to determine the optimal area for construction of a gravity sewer pipeline. The new gravity sewer will convey excess wastewater and stormwater flows from 32<sup>nd</sup> Avenue West deep under the hill to an underground storage tank in the Smith Cove Park/Terminal 91 West Yard area. After storms have passed, the stored flows will be conveyed to West Point Treatment Plant.



### **Proposed Work**

A truck mounted drill rig will bore holes up to 220 feet below the surface. The boring holes will be stabilized with a dense grout material and two types of measuring equipment will be installed. An *inclinometer* will measure slope movement and *monitoring wells* will measure groundwater conditions. The investigation involves up to eleven (11) borings. Additional borings will be conducted at a later time, as needed.

### **The investigations will provide:**

- Information on soil and groundwater conditions along the proposed pipeline alignments
- Physical characteristics of the soil
- Instrumentation to measure slope stability and groundwater pressures



# **SOUTH MAGNOLIA CSO CONTROL PROJECT**

## **What Neighbors Can Expect**

- Work hours will be during daylight hours between 7 am and 7 pm as limited by the City of Seattle permits.
- People may experience noise close to the work area. During drilling, people will hear the sound of a motor. Maximum noise will occur for 2-3 minutes during sampling.
- Traffic control will be provided for all sites on City streets. People should watch for signs or flaggers and drive slowly in the work area.
- The soil boring equipment will occupy an area approximately 10 feet wide by 80 feet long, or about 5 parking spots.
- Initial work will establish borings along the potential sewer pipeline alignment area. Each soil boring will take up to five days to drill.
- Each soil boring will be 6 inches in diameter and up to 220 feet deep.
- Staff will return to each boring location on a monthly basis for monitoring activities.



For more information about the upcoming geotechnical work, contact Monica Van der Vieren at 206-263-7301 or [Monica.vandervieren@kingcounty.gov](mailto:Monica.vandervieren@kingcounty.gov). To learn more about the Magnolia CSO control project visit

[www.kingcounty.gov/environment/wtd/Construction/Seattle/SMagnoliaCSOStorage](http://www.kingcounty.gov/environment/wtd/Construction/Seattle/SMagnoliaCSOStorage)