



**King County**

Department of  
Natural Resources and Parks  
**Wastewater Treatment  
Division**

# HIDDEN LAKE

## Sewer Improvement Project

NEWSLETTER

SUMMER 2007

### Keeping traffic moving during construction

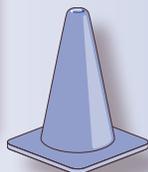
When sewer pipes lie underneath residential streets, construction to repair or replace them can require single lane or full street closures during work hours that cause traffic impacts.

Trained flaggers work to maintain traffic flow, services, deliveries, and emergency access for project neighbors. Traffic control supervisor Karlynn Stieber heads up a team responsible for traffic sign placement and coordinating with drivers and construction crews to keep traffic moving efficiently and safely through construction areas. Karlynn and her crew work one on one with residents to address individual access issues.

While sewer construction can affect traffic flow, the efforts of crew members



like Karlynn Stieber help to reduce impacts to area residents and commuters and keep drivers and crews safe during construction.



### Boeing Creek Trunk Sewer Construction moves into Innis Arden

**K**ing County's contractor has completed construction of over 7,500 feet of the new Boeing Creek Trunk Sewer and water lines in Richmond Beach, from the Richmond Beach Pump Station to Richmond Beach Saltwater Park. In late May, Frank Coluccio Construction Company (FCCC) crews placed a temporary pavement patch. They will remove manholes and abandon the old sewer line before installing a full-width pavement overlay and widened asphalt shoulder in fall 2007.

In early June, crews moved to Northwest 190th Street, just west of the Innis Arden Clubhouse, and began replacing sewer and water lines in Innis Arden. Temporary above ground water lines have been installed to provide service while both water and sewer lines are replaced.

Work in Innis Arden is expected to take about a year. As in Richmond Beach, open trench construction will be used to install new pipes. In some locations, multiple pipes will be installed, some at depths of up to 25 feet. Since all utilities in Innis Arden are located underground, and many of the new pipes are deep, construction work in this area will be complex and may take extra time.

Neighbors can expect to see trenches and large equipment in the streets, and should watch for flaggers and obey traffic signs when traveling in the area of active construction. The contractor will store construction materials and equipment in the city's right-of-way to save time and reduce traffic impacts that would be created by hauling materials to the construction site.

*(Continued on page four)*



*A full pavement overlay will replace temporary patches in the Richmond Beach area in fall 2007*



*Sewer construction takes up almost all of Northwest 190th Street*

**24 hour construction hotline: 206-205-5968**

## Collaboration with Seattle Public Utilities improves water service

Seattle Public Utilities (SPU) and King County are coordinating construction of new sewer pipes and new water lines in SPU's Shoreline Service Area. In 2006, SPU replaced over 100 water service taps, which link their water mains to houses. In cooperation with SPU, King County's contractor is now replacing 5,000 feet of water lines and 12,000 feet of sewer lines. Construction impacts to the community are significantly reduced by upgrading both the sewer and water lines at the same time.

SPU Project Manager Charles Oppelt has worked closely with King County's construction team and the contractor as water line work has proceeded. To carry out this work, SPU crews re-route water service or construct temporary water lines at the street level. The contractor crews can then excavate sewer and water lines to replace them with new pipe. New water pipes are disinfected and tested before they are put into service.

SPU informs residents 48 hours prior to planned disruptions in water service. Residents with questions or concerns about water service should call 206-684-5800.



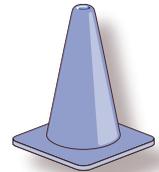
Seattle Public Utilities crews work on site with King County's contractor



Water pipe is installed in a trench near Saltwater Park

By project completion in 2008, the collaboration will improve water service as well as increase flows to fire hydrants. For more information about water service:

- Visit the Web site at <http://www.seattle.gov/util/Services/Water/index.asp>
- Call Charles Oppelt, Project Manager, at 206- 615-1314



### Boeing Creek Park Update

Visitors to Boeing Creek Park have seen major construction work since July 2006 to install a large wastewater storage pipe and supporting facilities. Installation of the 12-foot diameter pipe, which will help prevent overflows to Puget Sound during large storms, was completed in October 2006. Since then, crews have worked inside the pipe to construct a channel to efficiently move low volumes of wastewater during normal operations and to install a smaller pipe to keep air moving and help control odors.



Pipe casing segments for installation under 10th Avenue Northwest

Several underground structures have been built in the park to control odors and wastewater flows during large storms. King County's contractor completed grading of the city's stormwater detention pond to increase capacity and stabilized it with soil amendments and native wildflower mix.

Construction of new sewers on 10th Avenue Northwest and Northwest 175th Street is also winding down

All facilities in and around Boeing Creek Park are

expected to be completed and online in late 2007. The City of Shoreline will then begin park improvements with funds provided by the county.



The underground storage pipe includes a channel, which conveys flow at low volumes

# Construction accomplishments: Hidden Lake Sewer Improvement Project

## 1 Replace part of the Boeing Creek Trunk Sewer

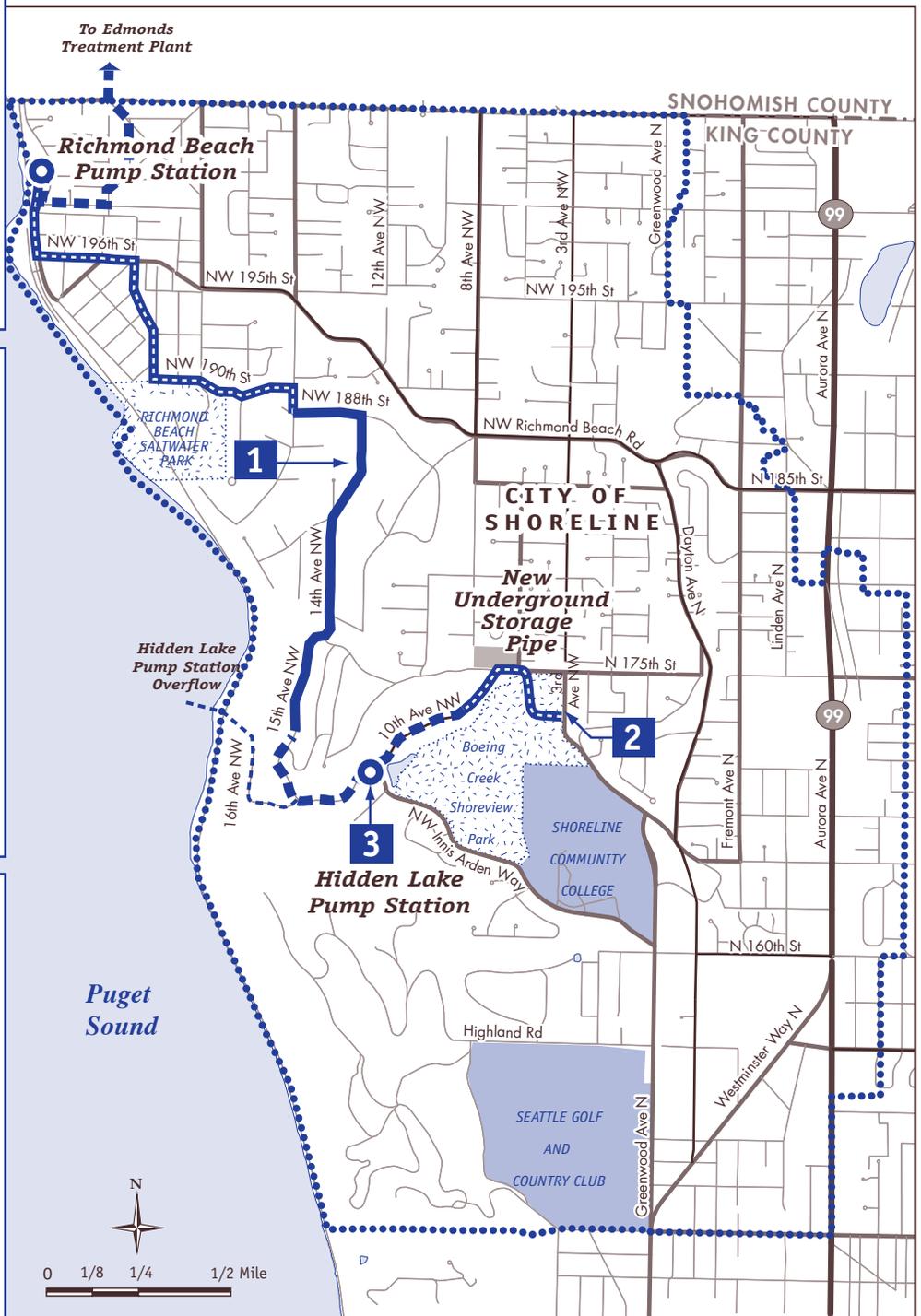
- Complete work in Innis Arden by fall 2008.
- ✓ Construction in Richmond Beach complete by September 2007.
- Use current sewer route.
- By end, replace about 12,000 feet of sewer.
- By end, replace about 5,000 feet of water mains for Seattle Public Utility.

## 2 Build a new underground storage pipe

- Complete construction by late 2007.
- ✓ Build a 500,000-gallon pipe in Boeing Creek Park.
- ✓ Complete underground flow and odor control structures.
- ✓ Deepen the city's stormwater pond.
- ✓ Replace about 1,000 feet of pipe in the street by micro-tunneling and trenching.
- Restore streets after construction ends.

## 3 Replace Hidden Lake Pump Station

- Complete construction by early 2009.
- ✓ Complete building foundation.
- Increase the pumping capacity from 4.3 million gallons per day to 6.8 mgd.
- Design building and landscape to fit the community.
- Install equipment to optimize system operation and reduce odors and noise.



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- # Project component number
- ..... Richmond Beach Wastewater Service Area
- - - - - Overflow to Puget Sound

- - - - - Existing sewer line
- Boeing Creek Trunk Sewer Line to be replaced
- Road
- Water body

- ✓ Completed activity
- New sewer construction complete



# King County

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Wastewater Treatment Division  
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Seattle, WA 98104-3855

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## Hidden Lake Pump Station & Sewer Improvement Project **CONSTRUCTION MOVES FORWARD!** Summer 2007



*Creating Resources from Wastewater*

### More information?

- Call the 24-hour construction hotline at 206-205-5968. 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/hiddenlake.htm>

### Boeing Creek Trunk Sewer Construction

*(Continued from page one)*

During construction, permitted work hours are 7 a.m. until 10 p.m., Monday through Friday, and 9 a.m. to 6 p.m. on Saturday. Crews usually start work at 7 a.m. and finish by 5 p.m. weekdays.

Construction in Innis Arden is expected to be completed by fall 2008. At the end of construction, residents will have new water and sewer lines with a design life of 50+ years. Roads will be completely repaved and have a widened asphalt shoulder. Neighbors with questions or concerns are encouraged to call the 24-hour hotline at 206-205-5968.

### Alternative Formats

206-263-6029 or 711 (TTY)

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