

## **North Beach Combined Sewer Overflow (CSO) Control Project**

### **Community Meeting Summary**

*January 25, 2011*

*North Beach Elementary School  
9201 24<sup>th</sup> Ave. NW, Seattle, WA 98117*

#### **Overview**

On January 25, 2012, the King County Wastewater Treatment Division (WTD) hosted a community meeting for the North Beach CSO Control Project. The purpose of this meeting was to update the community on the current status of the North Beach CSO Control Project, discuss early plans for construction, present upcoming opportunities for public participation and discuss next steps in the project.

#### **Presentation**

The presentation from this community meeting can be found at [www.kingcounty.gov/environment/wtd/Construction/Seattle/NBeachCSOStorage/MeetingCalendar](http://www.kingcounty.gov/environment/wtd/Construction/Seattle/NBeachCSOStorage/MeetingCalendar) or obtained by mail by contacting Monica Van der Vieren at 206-263-7301 or [Monica.vandervieren@kingcounty.gov](mailto:Monica.vandervieren@kingcounty.gov).

#### **Project Update**

Shahrzad Namini, WTD Project Manager, reminded attendees about the CSO problem that King County must address in North Beach to comply with regulations set by Washington State's Department of Ecology (Ecology). Shahrzad provided an overview of project activities and timelines:

- The county submitted the Draft Facility Plan to Ecology at the end of 2010; the Final Facility Plan was approved in summer 2011.
- Final design began in August 2011, when HDR Engineering was selected as the design consultant.
- The Final Design document must be delivered to Ecology by the end of 2012.
- Procurement for the construction contract will follow the design phase.
- Construction is expected to begin by mid-2013 and will continue for 18-24 months.

Shahrzad also explained the sequence of project design milestones.

- At the previous North Beach community meeting in October, the project team was approximately at the 2-3% design threshold.
- The next project milestone will be completion of 30% design in March 2012, incorporating information presented at this meeting.
- By summer 2012 the project team will have completed 60% design.
- Final Design will be completed and delivered by the end of 2012.

Finally, Shahrzad summarized public participation opportunities to date:

- Community meetings and briefings, periodic briefings.
- Environmental review under the State Environmental Policy Act (SEPA), completed in spring 2011.
- One-on-one meetings and conversations with project neighbors and interested community members.

### **Project Design**

Edith Hadler, Project Manager for HDR Engineering, began by bringing attendees up-to-date on King County's recent activities in the design phase. The county has conducted a series of field investigations, including geotechnical borings, right-of-way surveying, utility locates and examining the existing pump station infrastructure. Additionally, the county has listened closely to the community's questions, comments, and concerns. As Edith described project elements, she indicated how technical information and community input informed design.

### **Underground Storage Pipeline**

The project team has refined the pipeline configuration to include two, parallel underground 11 feet diameter pipes. The underground pipeline will extend from King County property at the edge of Blue Ridge Park (approximately where the Metro bus stop is located now) to the intersection of Triton Drive NW and NW Blue Ridge Drive, where it will end in the right-of-way underneath the existing hedge at this intersection. This configuration was chosen because it:

- Reduces the overall construction footprint
- Allows crews to service the facility with minimal traffic impacts
- Allows for a simpler, lower maintenance flushing facility that uses less water
- Reduces interference with existing utilities

During a storm event that exceeds system capacity, combined stormwater and wastewater will be diverted from the North Beach Pump Station to the storage pipes. Once a storm has passed and system capacity returns, stored flows will be conveyed by small, underground pumps to the North Beach Pump Station and conveyed to Carkeek Park Pump Station and Wet Weather Facility. The pipelines will be flushed with clean water once the stored flows are removed.

Access hatches will be visible at the surface at each end of the pipeline.

### **Ancillary Equipment Facility**

After describing the pipeline alignment, Edith updated attendees on the ancillary building configuration. The county is planning to build an above-ground structure that is approximately 55 feet long by 12 feet wide, which is nearly a 20 percent reduction from the above-ground profile proposed in the draft facility plan. The above-ground portion will include a restroom, electrical equipment and a small amount of mechanical equipment. The equipment must be above ground to avoid damage from potential flooding and/or to comply with regulations.

The underground portion of this facility will include the majority of mechanical equipment and odor control for both the CSO control facility and the North Beach Pump Station, which currently lacks odor control. Carbon vessels used for odor control will be situated underground, with access at the surface for maintenance of the unit.

Site access will change to include a second driveway.

The design team identified several opportunities to address community comments and concerns:

- Using the existing underground generator to serve both the pump station and the new CSO control facility eliminates the need for a second generator
- The area between the two driveways can be landscaped to maintain views and screen the pump station site
- Two of the existing surface fans can be moved into the new building, reducing surface features
- Moving some equipment underground reduced the size of the above ground building

Edith provided a preview of the type of excavation and shoring activities that will be required to build facilities in the right-of-way and on King County's property.

### **Public Participation Opportunities**

Monica Van der Vieren, King County Community Relations, described the methods and timing of public outreach activities planned for the North Beach CSO Control Project.

The county will continue to keep the community up to date using

- Email and mail notifications, and door-hangers to notify project neighbors of new activities
- Web updates
- Community meetings and briefings
- One-on-one discussions with project neighbors
- 24/7 hotline during construction, staffed at all times

In April, 2012, the county will conduct a community design workshop with the team, including the building and landscape architects. Notice will be mailed to the community in late March. This workshop will allow the community to understand King County's design guidelines and to give input on the look and feel of restored North Beach Pump Station site. Elements to discuss are:

- Building materials
- Colors
- Roof profile
- Fencing
- Landscaping

In July 2012, the project team will host an onsite event to follow up with community on site design, and to discuss upcoming construction. Community members will be able to meet with the project team to discuss questions and concerns about construction.

Shahrzad closed the presentation with a few points:

- King County is committed to community outreach.
- Additional field investigation is possible, but will be minimal and neighbors will be notified in advance.

- People will see signs in early 2012 at the North Beach Pump Station site notifying them of permit processes that are underway.

### **Summary of questions**

#### **At what point in design are road conditions addressed? Road and pipe failures have occurred in the area because of truck traffic.**

King County is aware of community concerns about road conditions approaching and in the project area. During design, King County will work to acquire street use permits from the Seattle Department of Transportation that will identify haul routes and restoration conditions. During construction, King County will investigate and address any condition reports on the haul route attributed to the project.

### **Attendance**

*King County Wastewater Treatment Division*  
Shahzad Namini, Project Manager  
Monica Van der Vieren, Community Relations  
Adair Muth, Community Relations

*HDR Engineering*  
Edith Hadler, Project Manger  
Vicki Sironen, Project Engineer

*EnviroIssues*  
Penny Mabie, Facilitator  
Kerston Swartz, Community Relations