North Creek Interceptor Sewer Project

Community Meeting

February 28, 2013
Purpose:

- Provide overview of the wastewater system in the area
- Describe the North Creek Interceptor Sewer Project
- Provide information about interim maintenance and repair activities
King County’s Wastewater Treatment Division (WTD) provides regional wastewater service to 34 local sewer agencies in King, Snohomish and Pierce counties.
North Creek Interceptor Service Area

- NCI service area is 19.7 square miles
- Served by Alderwood Water & Wastewater District & King County
- Sewage is treated at King County treatment plants
Why is the project needed?

- Increase capacity of part of the North Creek Interceptor serving southwestern Snohomish Co. and the City of Bothell
- Meet the 20-year peak flow capacity standard
- Reduce risk of overflows
- Design to last 50+ years
What will the project build?

- Construct approximately 10,000 feet of gravity sewer pipeline, 36 to 48 inches in diameter
- Connect to existing sections of the NCI
- Abandon replaced pipe
- Restore affected areas
How will the new pipeline be installed?

- **Trenchless construction:** a pipeline installed below ground, with above-ground launching and receiving locations.
How will the new pipeline be installed?

- **Open cut**: a trench is excavated, pipe is put in place, then it is covered
Canyon Park Business Center, Bothell

- SOUTH
- Start construction here
- Trenchless crossing under SR-527 and in deep areas
North Creek/Wetland Area near Thrashers Corner, City of Bothell

- MIDDLE
- Trenchless under SR-524 and North Creek
- Bothell trail coordination
North Creek crossing & along 14th Drive SE unincorporated Snohomish Co.

- NORTH
- Tie into already built pipe
- Revised project scope

150 feet of pipeline, trenchless crossing under creek and 150 feet of open cut construction
Project coordination

- Snohomish County
- City of Bothell
- Alderwood Water and Wastewater District
- Canyon Park Business Center
- Permitting agencies (federal, state, local)
- Property owners (easements, rights of entry)
- Project neighbors & community members
Project design-challenges and opportunities

- Identify construction methods for ground conditions (cobbles, boulders)
- Evaluate groundwater management methods
- Design to protect sensitive environments
- Design crossings to avoid surface impacts to North Creek, Bothell-Everett Hwy, SR-524
- Develop plan to install different pipe sizes at a range of depths
- Develop contract specifications to meet permit conditions and reduce impacts
Project construction - keys to success

- Oversight by experienced construction managers
- Sequencing/scheduling of work (e.g., wetlands)
- Dewatering / discharge / decommissioning
- Public information and outreach
NORTH CREEK INTERCEPTOR PROJECT TIMELINE

**Community & Stakeholder Outreach**
- Project website updates, newsletters, flyers, and response to community questions and concerns.

**Design Activities**
- Field investigations
- SEPA and public comment period

**Permitting**
- Permit application/public comment periods

**Construction**
- Pre-construction community meeting
- Construction project updates, community briefings, and meetings as needed

JANUARY 2013

Potential for expediting schedule
North Creek Interceptor Project

Questions?
NCI Maintenance and Repair

Will Sroufe, Project Manager
Maintenance and Repair

Purpose: Address capacity limitations and inflow until the NCI replacement project is completed.

*Stormwater inflow into a manhole*

*Manhole containment after overflow in November storm*
Sewer Investigations

- Field survey of manholes on the NCI completed
- Flow monitoring activity ongoing
- Coordination with AWWD ongoing
- Sewer inspections

A flow meter is installed in a manhole
Work Area Activities

- Reduce inflow into system
- Possible installation of temporary fixtures and equipment on 14th Dr SE
- Working with DOE on a plan to protect the environment
NCI maintenance & repair areas

North Creek Interceptor (NCI) existing
NCI – new (already built)
NCI – new (proposed)
Wastewater pipeline maintenance and repair areas
North Creek

North

South

Bothell

Canyon Park Business Center
Maintenance and Repair Schedule

- Evaluate temporary fixtures and equipment to protect homes - Spring 2013
- Work to address inflow - Summer 2013
- Developing/implementing plan to protect the environment - 2013
North Creek Interceptor - maintenance and repair activities

Questions?
North Creek Interceptor – working with the community

David Freed, Community Relations
Working with communities - sewer problem reports

- Incident response 24/7
  206-684-2404
- Working with neighbors
- Water quality monitoring
- Keeping people informed
Working with communities on the NCI Project

- **During design** - Contract specs and permit conditions are established to limit impacts; team provides community updates

- **Before construction** - Community is given an overview of construction work and schedule

- **During construction** - Community relations staff is on-call and works with construction team and contractor to address issues
Addressing construction impacts

- Construction duration
  2 years
- Construction activities
  - Truck and worker traffic
  - Traffic disruptions
  - Working hours
- Noise, light, dust
Addressing community concerns

• Community concerns collected throughout design
• Comments gathered during State Environmental Policy Act (SEPA) process
• Neighborhood conversations
• Community meetings and briefings
Keeping the community up to date

- Project Web site -
  www.kingcounty.gov/environment/wtd/Construction/North/NCI
- Newsletters and fliers
- One-on-one meetings
- Contact us:
  - Maintenance and repair activities
    Monica Van der Vieren (206) 263-7301 or
    monica.vandervieren@kingcounty.gov
  - NCI Sewer Project
    David Freed (206) 263-9453 or
    David.freed@kingcounty.gov
Thank you