
North Creek Interceptor Sewer Project

Community Meeting

February 28, 2013



King County

Department of Natural Resources and Parks
Wastewater Treatment Division

Today's Meeting

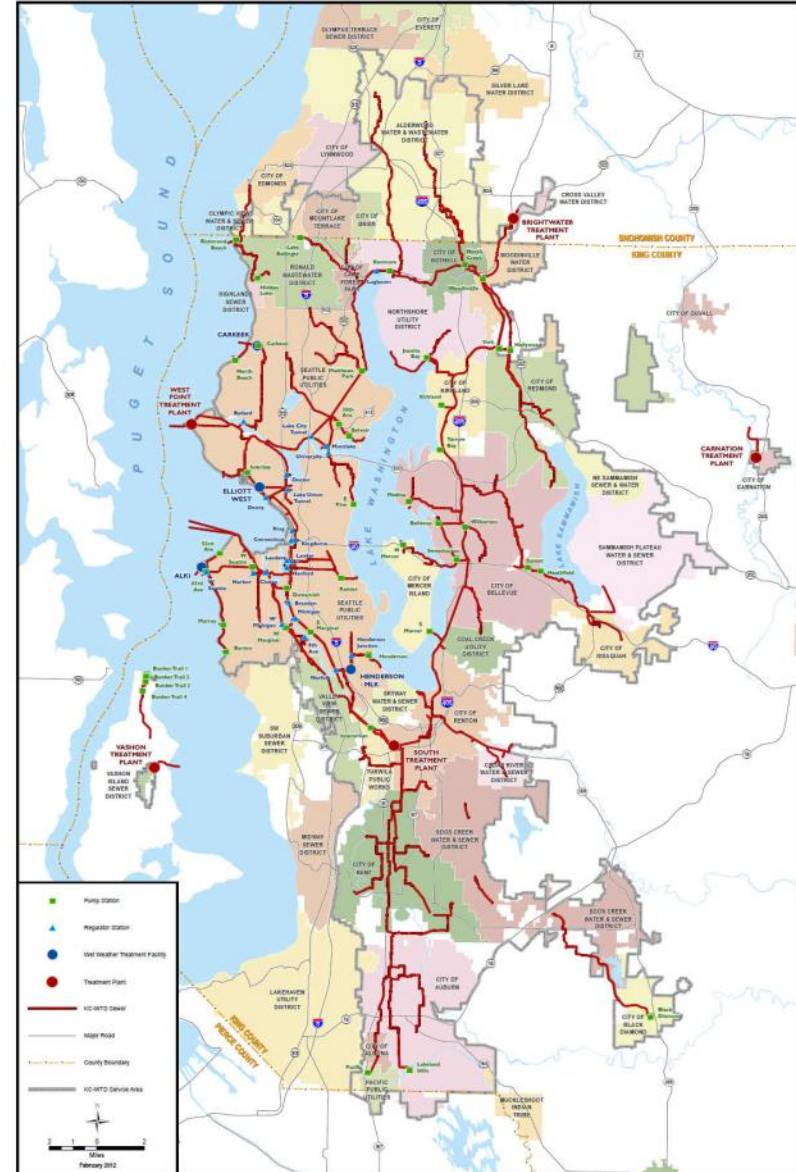
- Purpose:
 - Provide overview of the wastewater system in the area
 - Describe the North Creek Interceptor Sewer Project
 - Provide information about interim maintenance and repair activities

North Creek Interceptor Project

Jennifer Kauffman, Project Manager

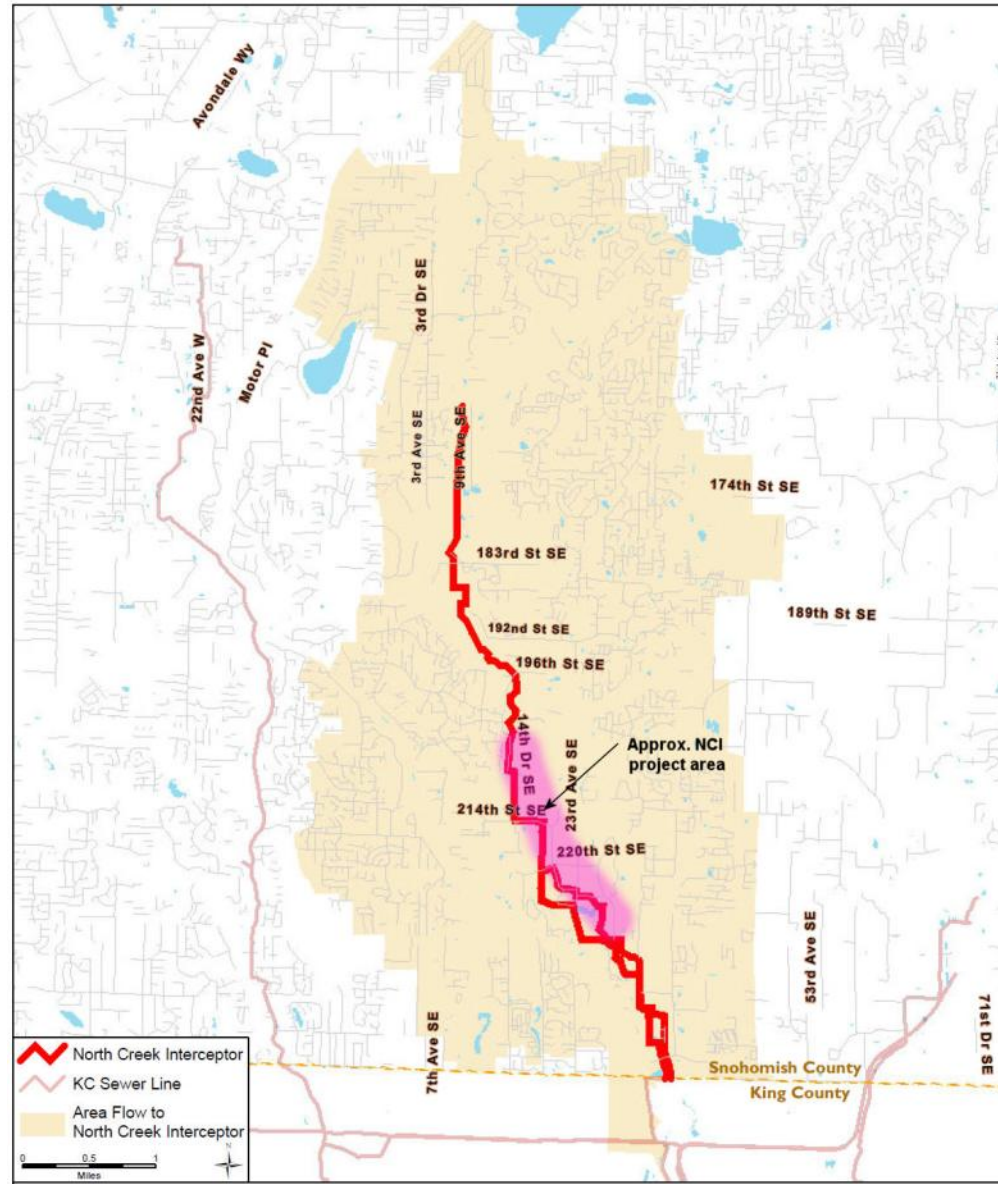
King County's Service Area

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?

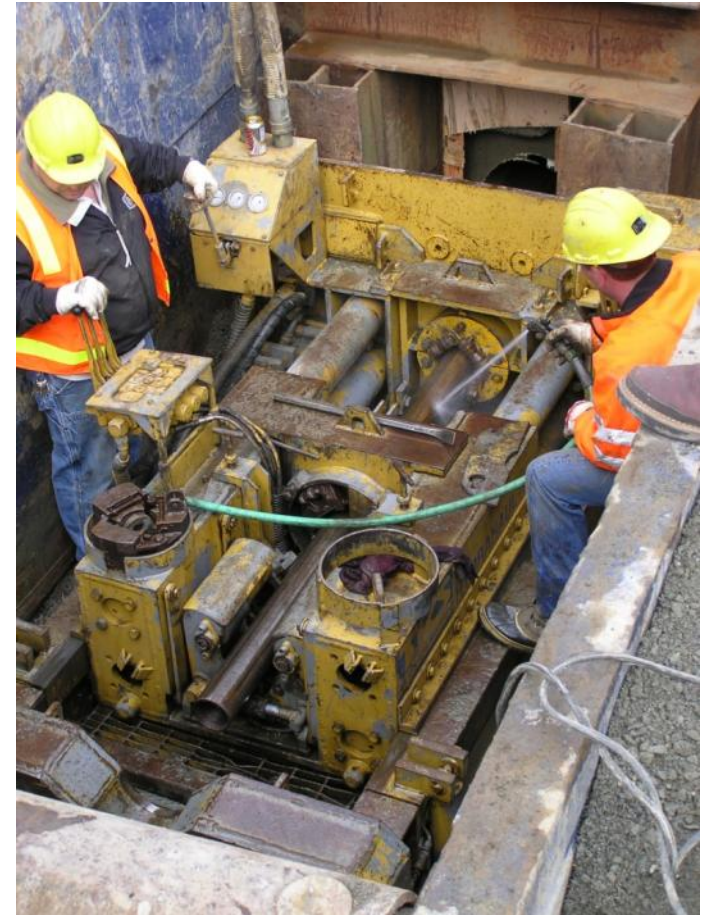
- Increase capacity of part of the North Creek Interceptor serving southwestern Snohomish Co. and the City of Bothell
- Meet the 20-year peak flow capacity standard
- Reduce risk of overflows
- Design to last 50+ years

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



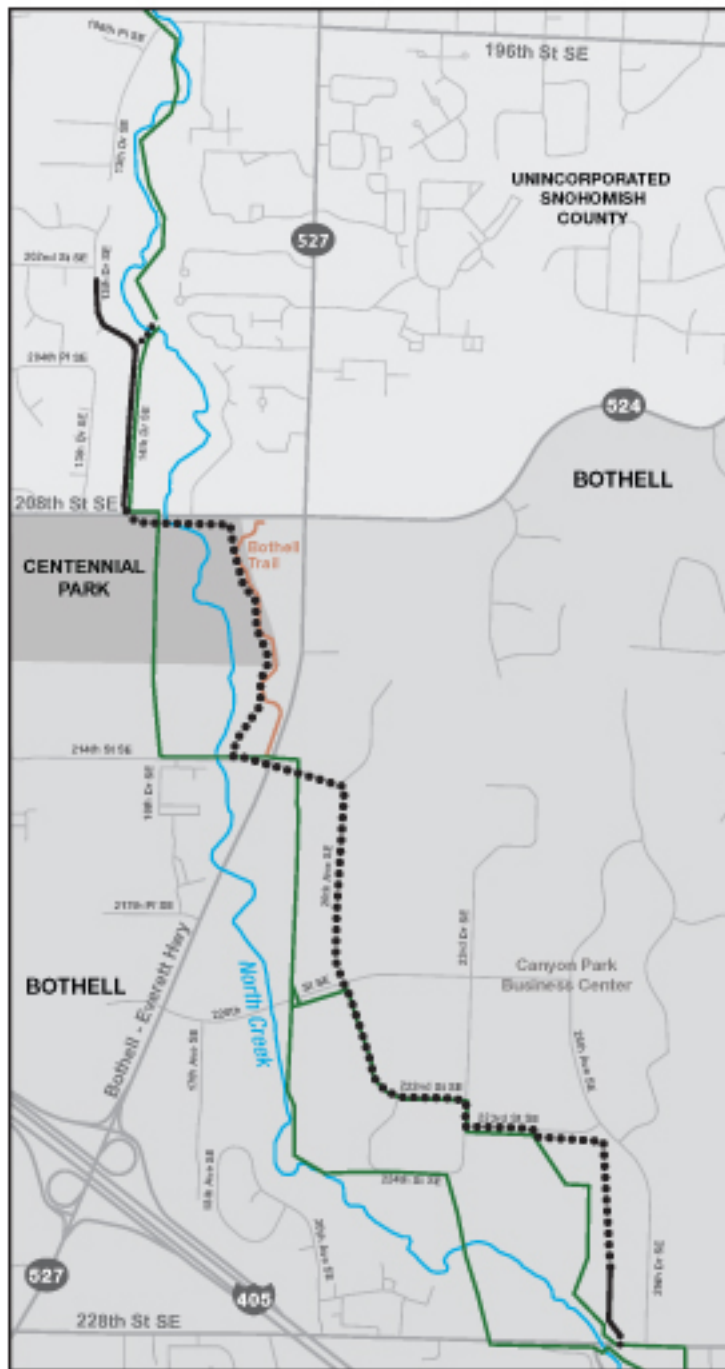
How will the new pipeline be installed?

- ***Open cut:*** a trench is excavated, pipe is put in place, then it is covered



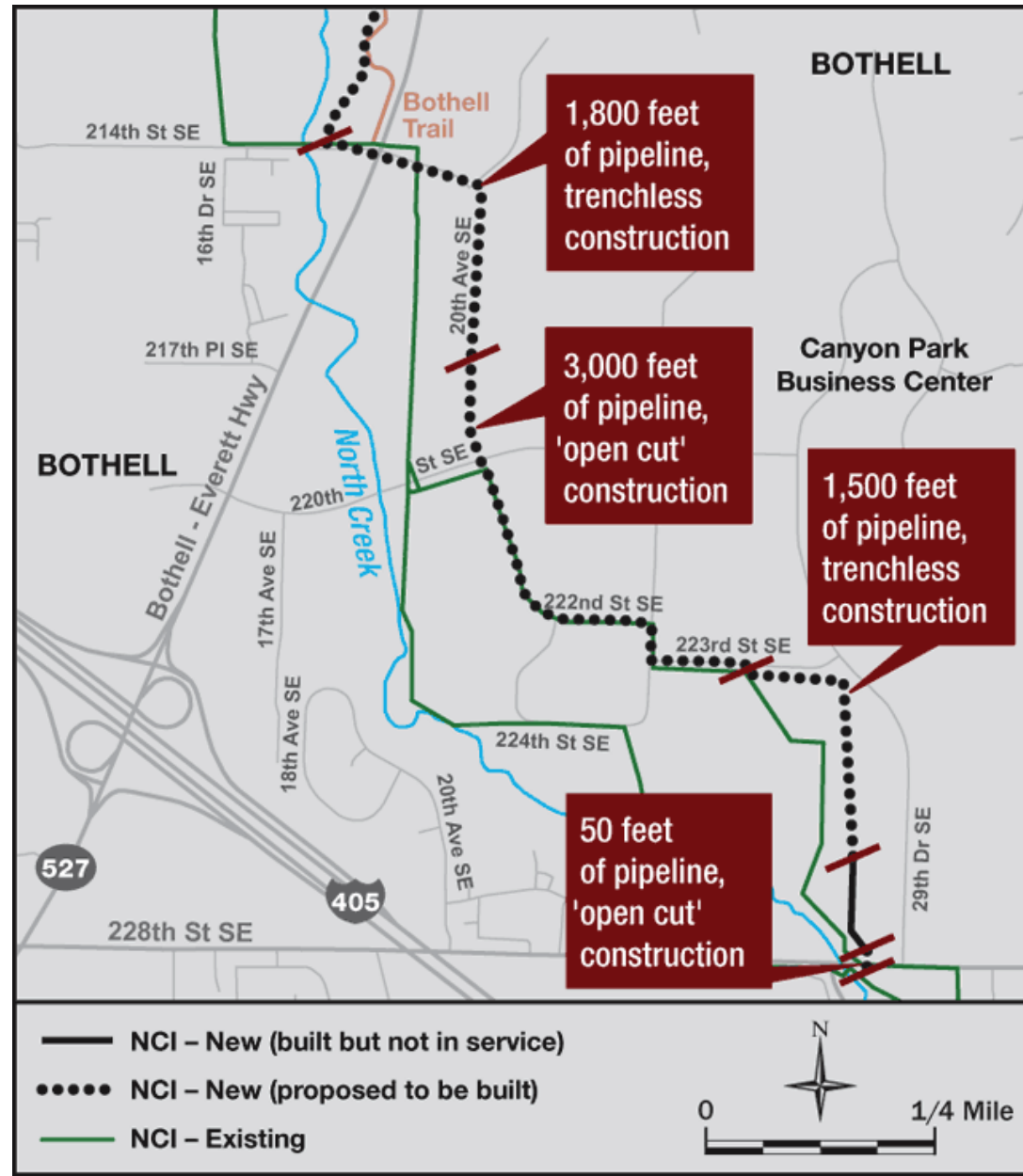
The map displays the North Interchange Vicinity, highlighting the North Creek Interchange (NCI) project. Key features include:

- Legend:**
 - NCI - New (built): Solid black line.
 - NCI - New (proposed): Dotted black line.
 - NCI - Existing: Solid green line.
- Geographic Labels:**
 - UNINCORPORATED SNOHOMISH COUNTY** (top right)
 - BOTHELL** (center right)
 - CENTENNIAL PARK** (center left)
 - Canyon Park Business Center** (bottom right)
 - North Creek** (blue line, center)
 - Bothell - Everett Hwy** (road, left)
 - Bothell Trail** (orange line, center)
- Highways:**
 - 527** (top center)
 - 524** (center right)
 - 405** (bottom left)
- Streets:**
 - 196th St SE
 - 208th St SE
 - 217th St SE
 - 228th St SE
 - 234th St SE
 - 240th St SE
 - 246th St SE
 - 252nd St SE
 - 258th St SE
 - 264th St SE
 - 270th St SE
 - 276th St SE
 - 282nd St SE
 - 288th St SE
 - 294th St SE
 - 300th St SE
 - 306th St SE
 - 312th St SE
 - 318th St SE
 - 324th St SE
 - 330th St SE
 - 336th St SE
 - 342nd St SE
 - 348th St SE
 - 354th St SE
 - 360th St SE
 - 366th St SE
 - 372nd St SE
 - 378th St SE
 - 384th St SE
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 - 402nd St SE
 - 408th St SE
 - 414th St SE
 - 420th St SE
 - 426th St SE
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 - 456th St SE
 - 462nd St SE
 - 468th St SE
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 - 504th St SE
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 - 564th St SE
 - 570th St SE
 - 576th St SE
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 - 588th St SE
 - 594th St SE
 - 600th St SE
 - 606th St SE
 - 612th St SE
 - 618th St SE
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 - 642nd St SE
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 - 654th St SE
 - 660th St SE
 - 666th St SE
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 - 786th St SE
 - 792nd St SE
 - 798th St SE
 - 804th St SE
 - 810th St SE
 - 816th St SE
 - 822nd St SE
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 - 1986th St SE
 - 199



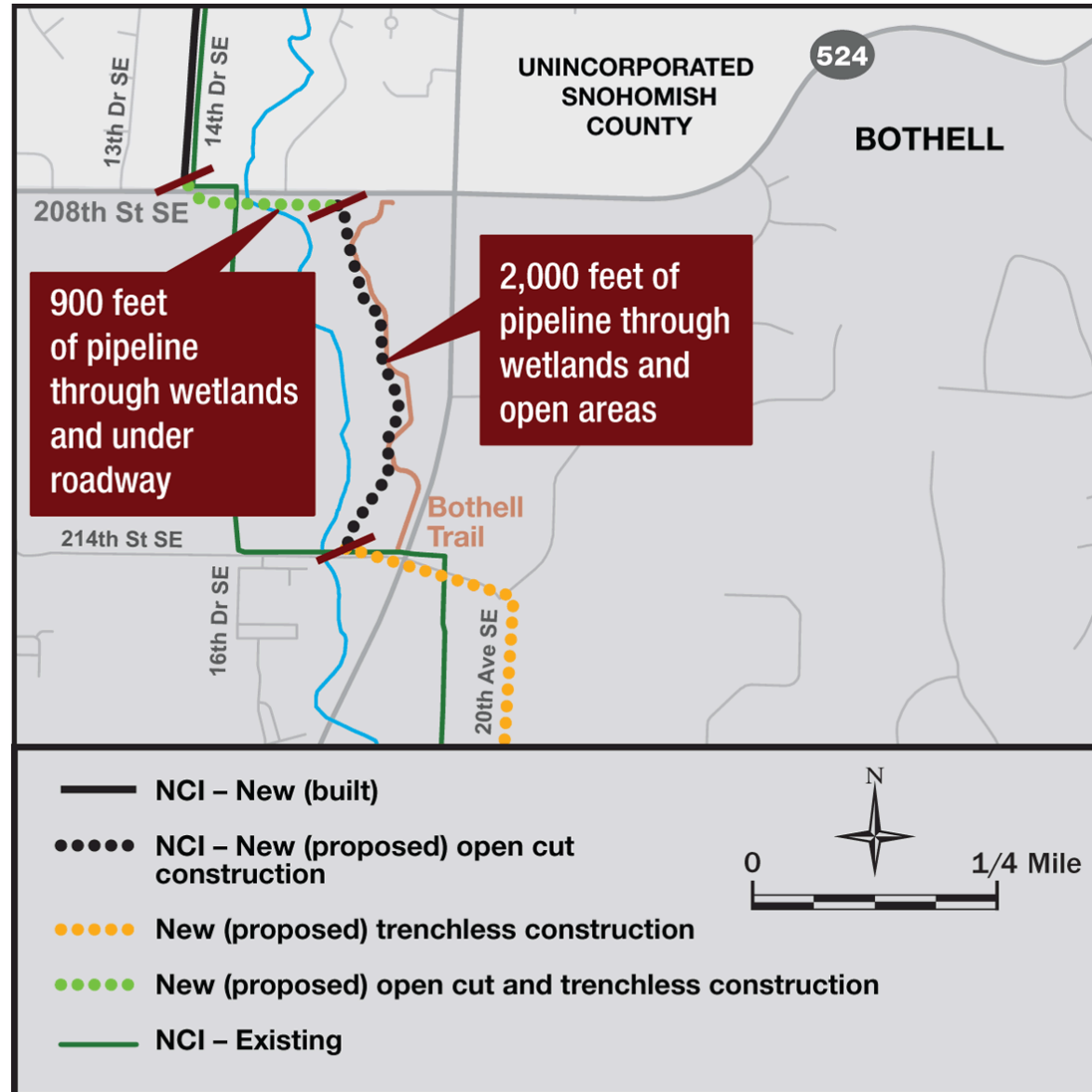
Canyon Park Business Center, Bothell

- SOUTH
- Start construction here
- Trenchless crossing under SR-527 and in deep areas



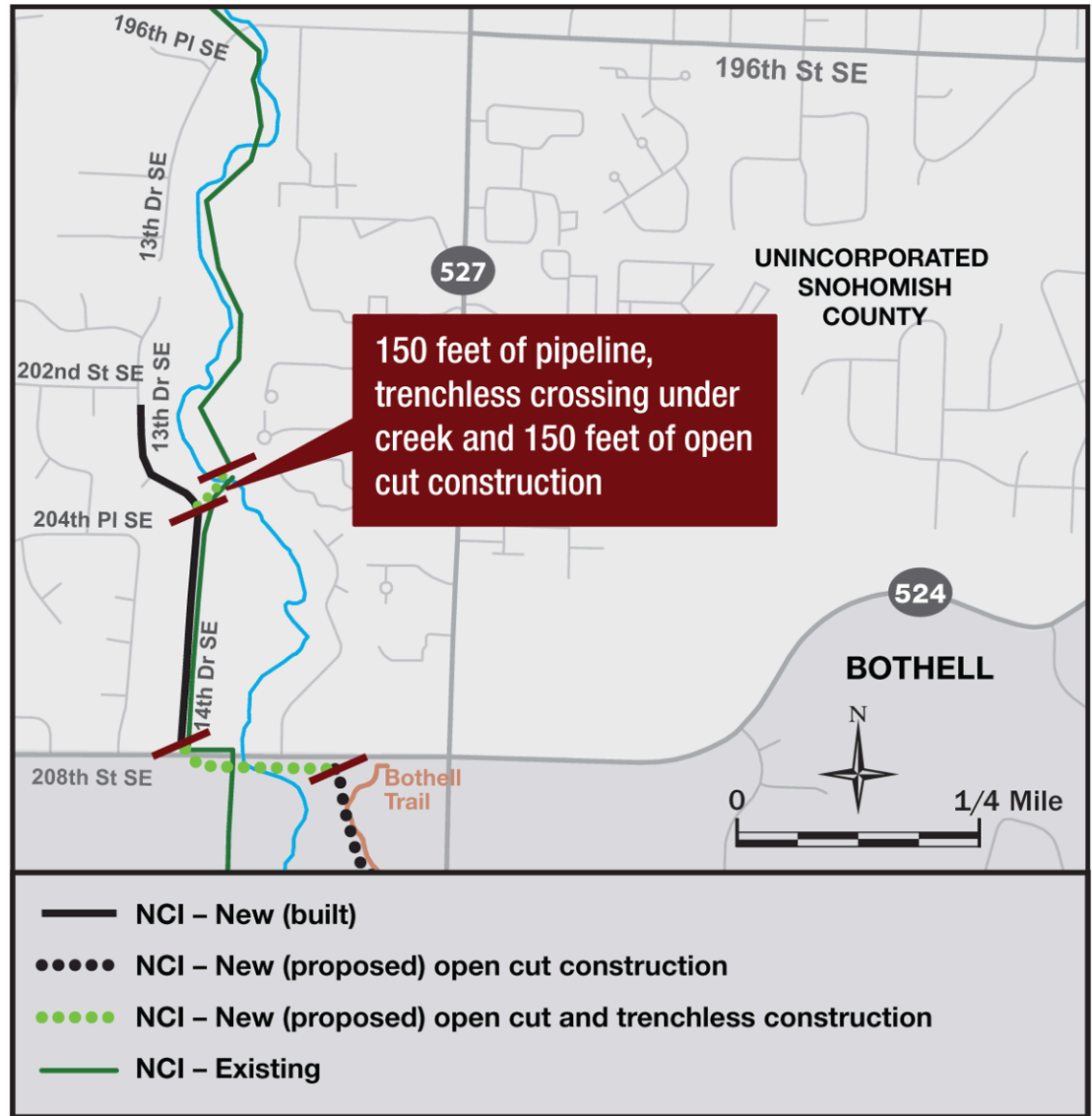
North Creek/Wetland Area near Thrashers Corner, City of Bothell

- 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



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



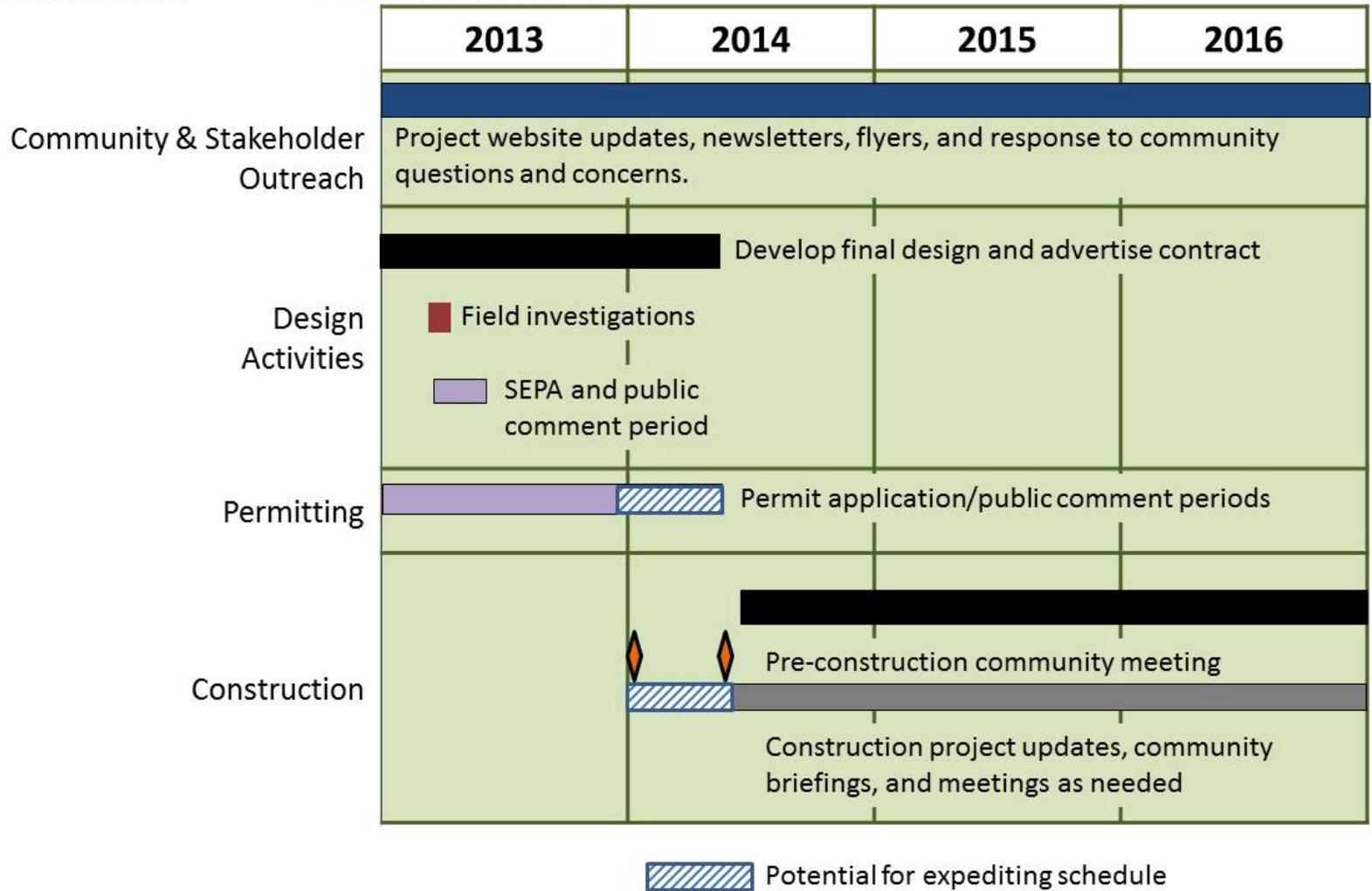


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Wastewater Treatment Division

NORTH CREEK INTERCEPTOR PROJECT TIMELINE

JANUARY 2013



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

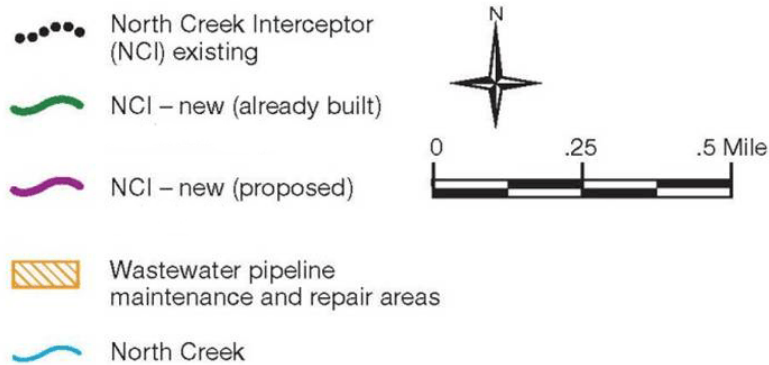


Work Area Activities

- 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



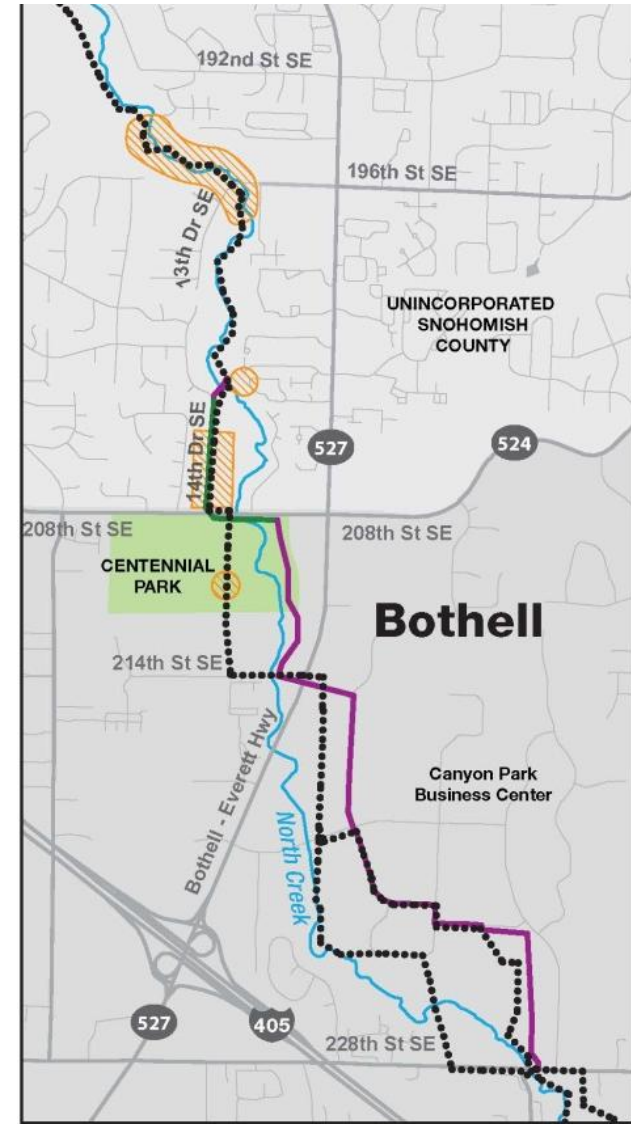
NCI maintenance & repair areas



North



South



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



North Creek Interceptor Project

Thank you