
BELLEVUE INFLUENT TRUNK IMPROVEMENTS

Community Meeting

June 16, 2010

A joint project of:



King County

Department of Natural Resources and Parks
Wastewater Treatment Division



JACOBSTM

Agenda for Tonight's Meeting

- Introduce project team
- Provide project overview
- Answer questions



Project Need: Accommodate growth in Bellevue



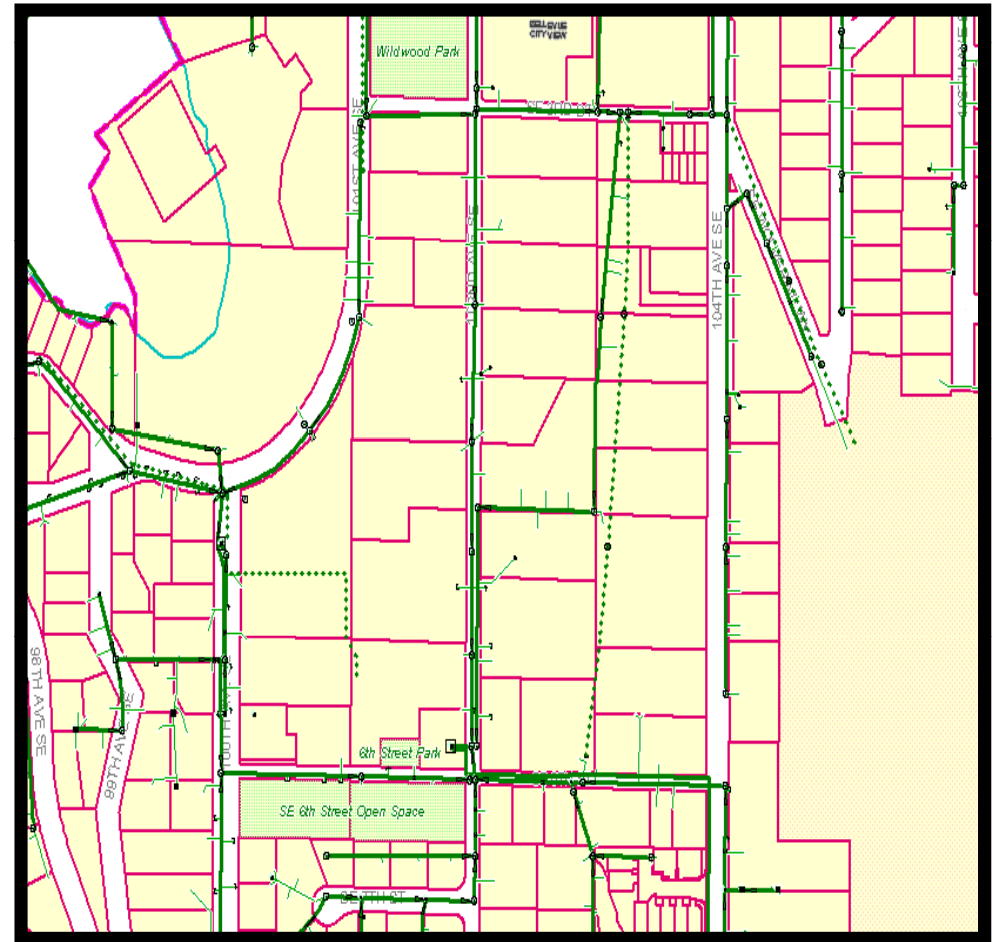
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NOW

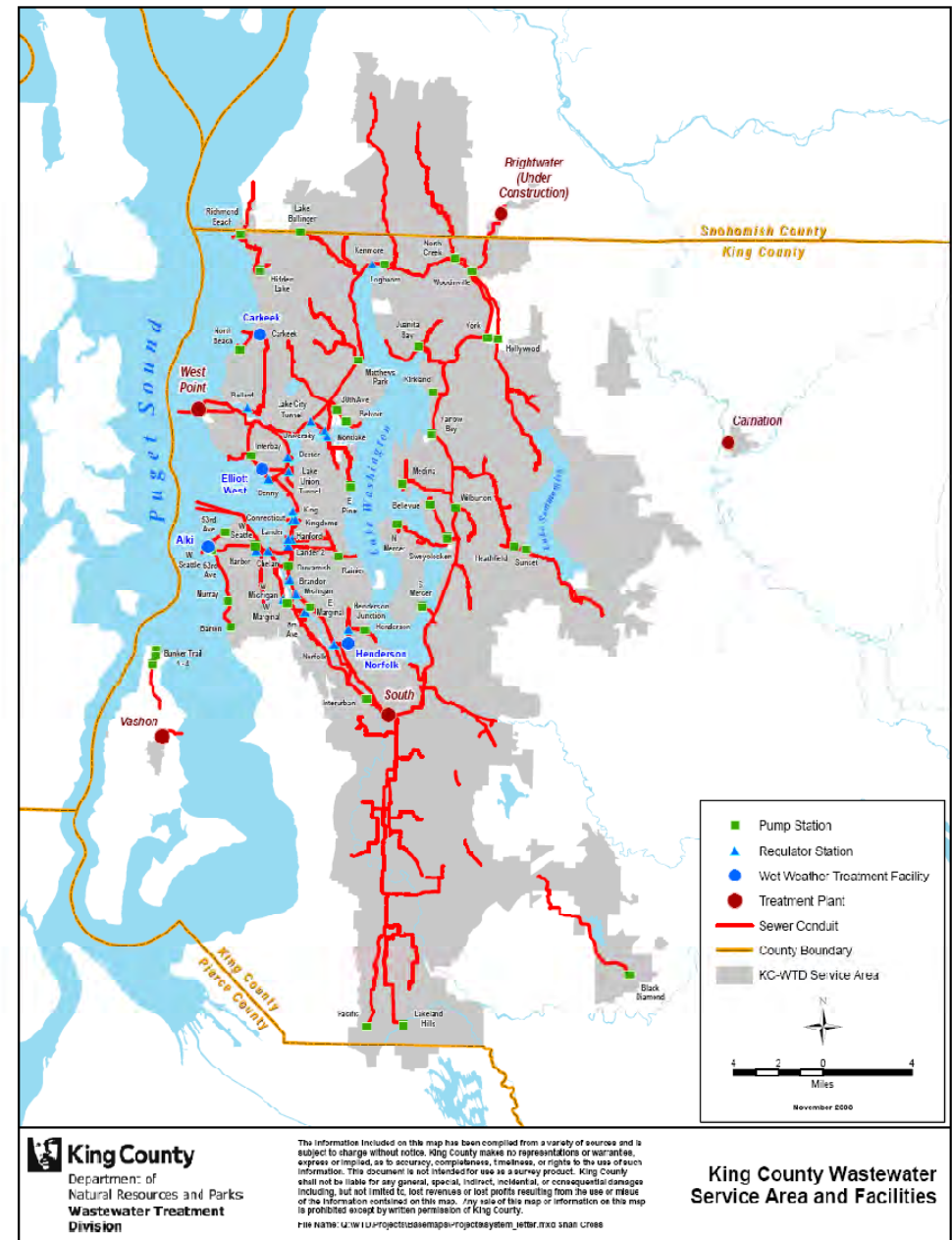
City of Bellevue Utilities Department

- Owns and operates local system to collect and carry wastewater flows in its service area to King County regional system for treatment and disposal
- Directly bills and provides service to Bellevue customers



King County Wastewater Treatment Division (WTD)

- Owns and operates regional wastewater conveyance and treatment system serving 34 local sewer utilities in King, Snohomish and Pierce counties



Project Need:

Update aging infrastructure



Corrosion in existing Bellevue Influent Trunk (BIT) line

Project Benefits:

Protect Public Health & the Environment

- Prevent sewer overflows to Meydenbauer Creek and Bay, homes, and businesses;
- Provide sewer capacity for current population and future service needs
- Brand new sewer connections

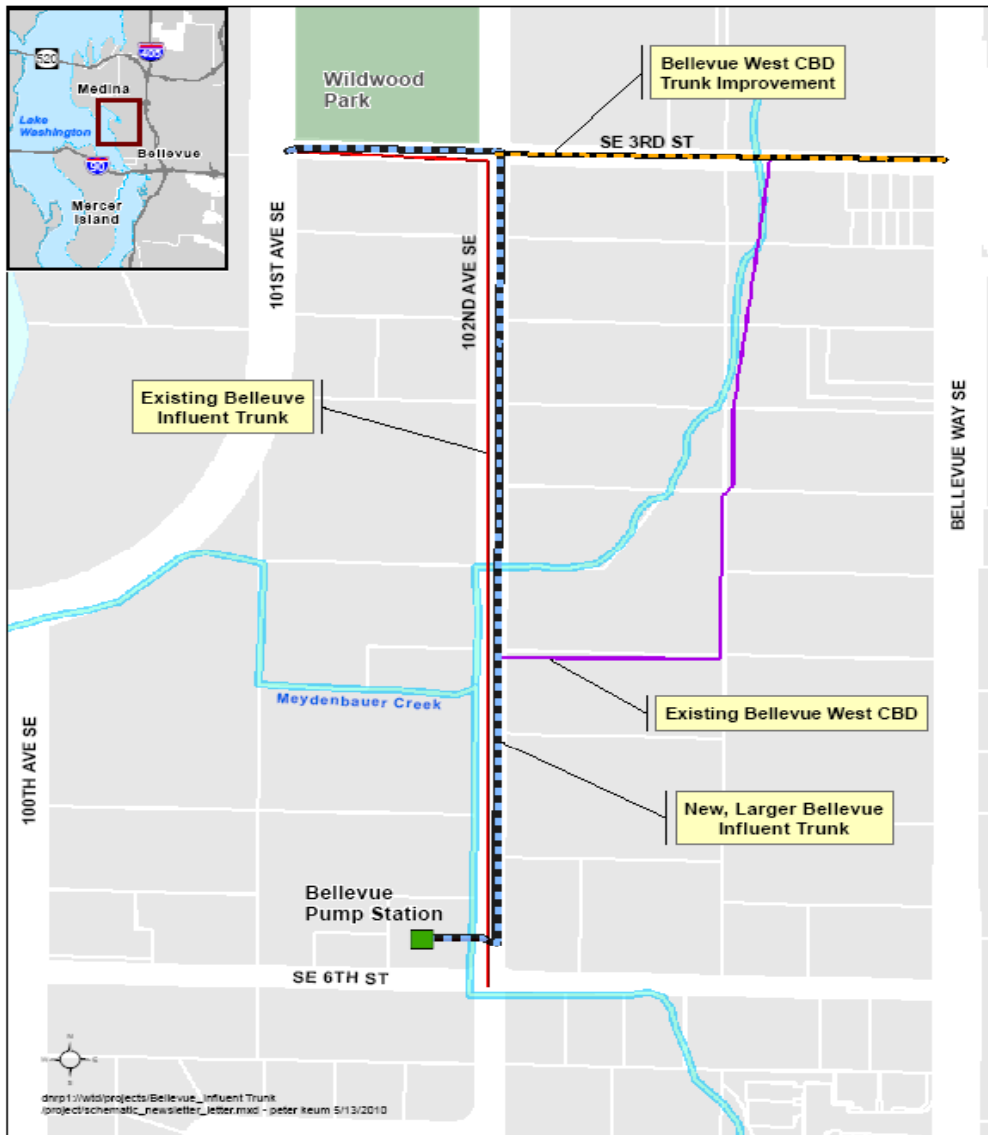


Existing Sewer Alignment

- GREEN — Bellevue Influent Trunk (BIT)
- BLUE — West Central Business District Trunk (CBD)

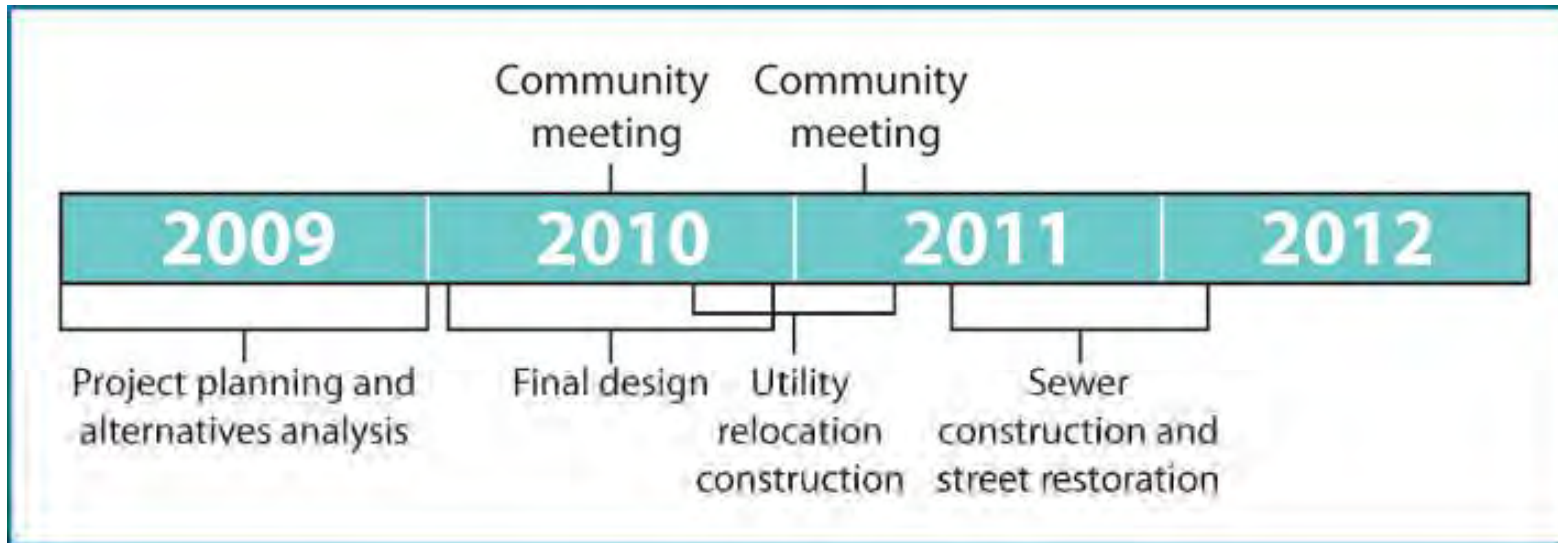


New Sewer Alignment



- BLUE (dashed line) — Bellevue Influent Trunk
- GOLD (dashed line) — West Central Business District (CBD) Trunk
- PURPLE (solid line) — Retained existing West CBD

Project Timeline



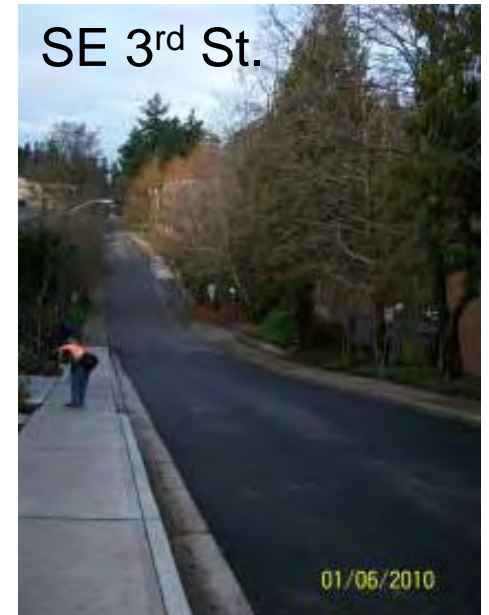
- Planning & Alternatives Analysis 2009
- Final Design 2010
- SEPA Process 2010
- Utilities Relocation Fall/Winter 2010
- Contract Bidding End 2010
- Construction Start Spring 2011
- Completion Early 2012

Engineering / Planning / Design

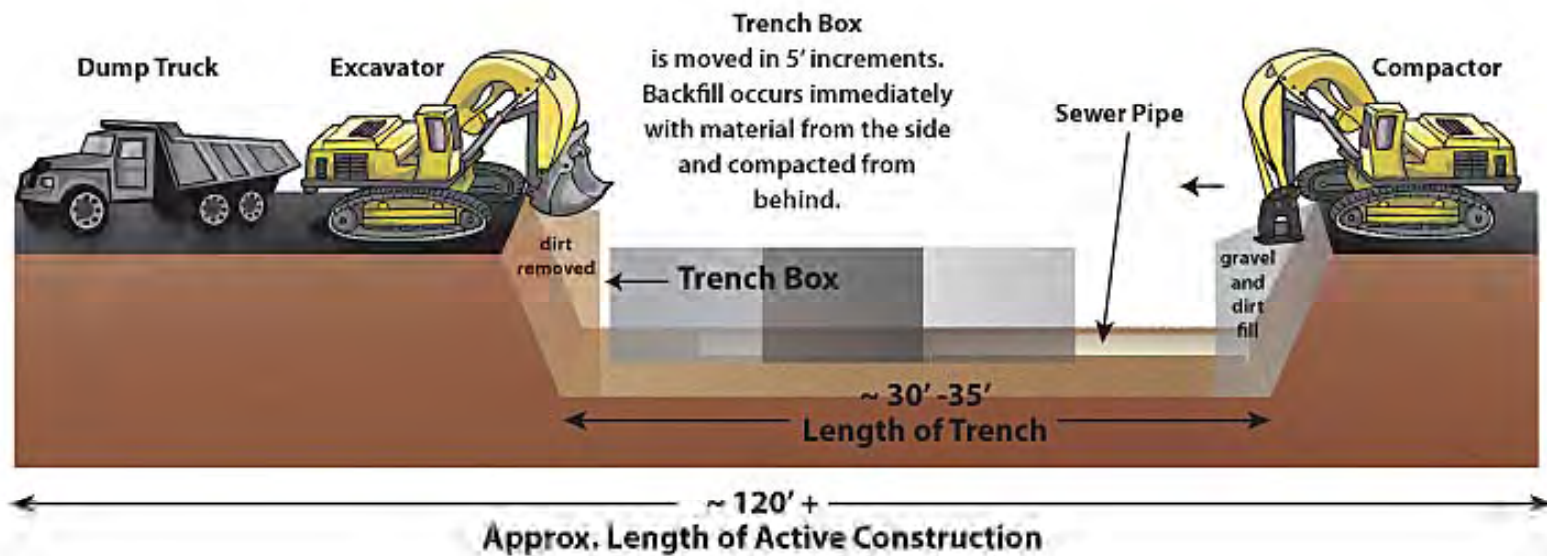
- Estimate flows
 - Size pipes
 - Evaluate soils & groundwater conditions
 - Survey topography
 - Location of utilities
 - Determine routing of new pipe
 - Study creek crossing/box culvert
 - Connections to local sewers
 - Open trench construction method
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Project Area Challenges

- High density housing
- Narrow roadways
- Limited driveway access
- Structures and trees close to road
- High groundwater table
- Creek crossing
- Utilities



Open Trench Construction



Open Trench Construction



Excavating



Back-casting to dump truck

Open Trench Construction



Trench Box



Maintaining Traffic

Open Trench Construction



Backfilling with dump truck



Hoe-pack compactor

Open Trench Construction



Sewer Bypassing



Dewatering Baker tank

Open Trench Construction



“Plated over” at day’s end

Anticipated Construction Impacts

- Utility Relocation
- Lane closures:
 - Southbound 102 Ave SE
 - Eastbound SE 3rd Street
- Staging along SE 6th Street
- Restricted driveway and sidewalk access
- Noise
- Tree damage/loss
- Increased truck traffic



Utilities Relocation

- Need for utility relocation
 - Schedule for utility relocation
 - Design Summer 2010
 - PSE install Fall 2010
 - Comcast /Qwest install Winter 2010/11
 - Utilities relocation completed March 2011
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Utilities Relocation

PSE will:

- Trench & install conduits and vaults
- Pull power cable
- Natural gas relocation on SE 3rd St.

Comcast & Qwest will each:

- Pull cable / phone wire
- Make local connections in right-of-way

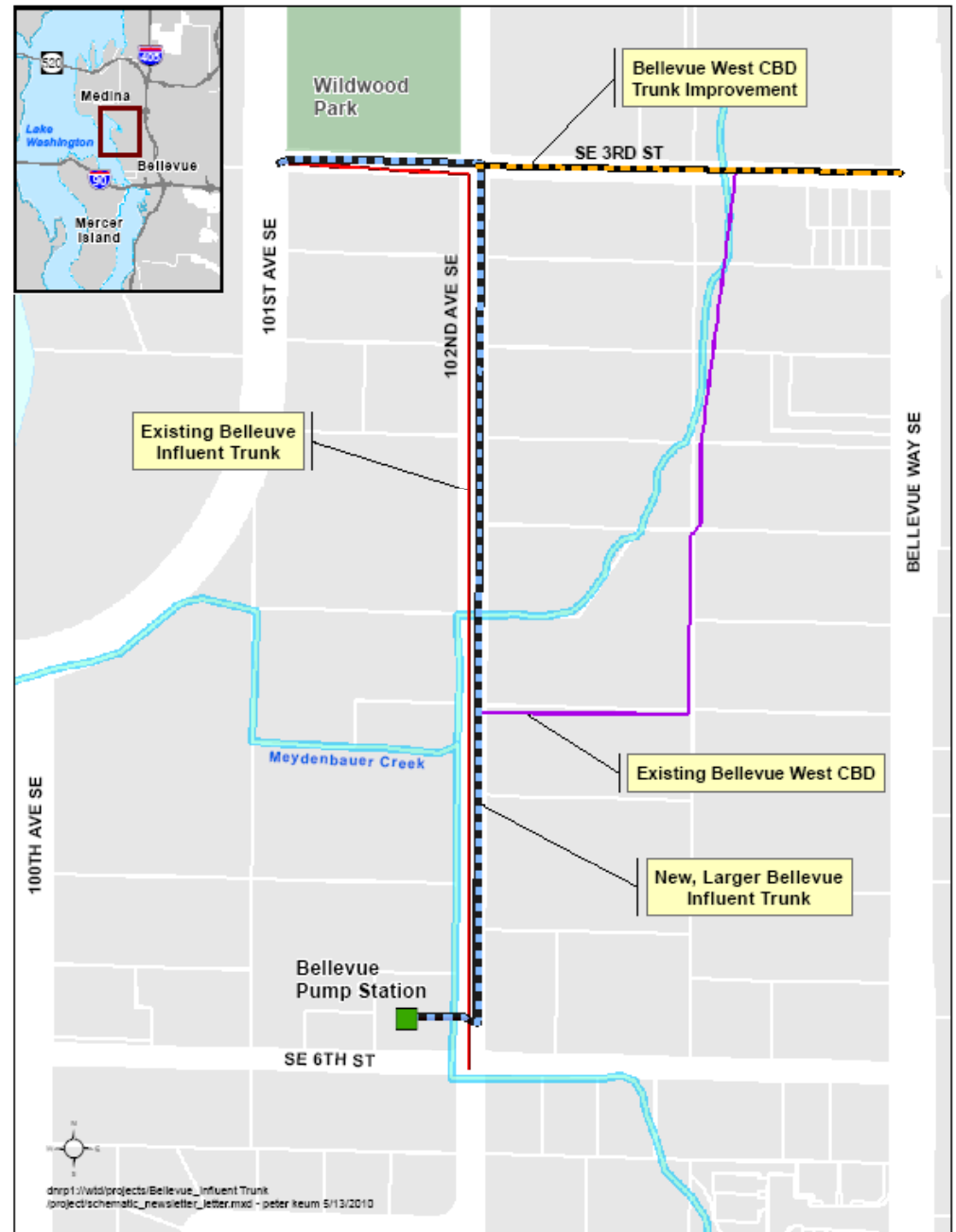
Community notices

Scheduled outages

Restoration

Anticipated Plans for Sewer Construction

- Maintain sewer service
- Sewer construction starts at creek crossing
- Bellevue Way work schedule prior to start of school



What We Do Not Know Yet

- How contractor will sequence the work
 - When contractor will be working in a specific location
 - Complete details on mitigating access issues
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Restoration

- Side sewer reconnection
 - Driveway and landscaping restoration
 - Sidewalks replaced to City of Bellevue standards
 - Full street overlay at end of job
 - Landscaping replaced at Bellevue Pump Station
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Community Outreach

- Advance notice of activities via mail, e-mail, phone, door hangers, and flyers,
 - Community meetings during design and prior to start of construction
 - Project Web site with construction updates
 - Problem solving with directly impacted residents
 - 24-hour Construction Hotline
 - Community Survey: special access needs
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For general project information:



King County

Department of Natural Resources and Parks
Wastewater Treatment Division

Maryann Petrocelli

King County Wastewater

Community Relations

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For city or utility specific information:

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Questions??

Thank you all for coming!

Project Web site:

<http://www.kingcounty.gov/environment/wtd/Construction/East/BellevueInfluentTrunk.aspx>
