



**King County**

## **North Beach CSO Control Project**



**Community Meeting  
January 25, 2012**

**HDR** and Team



# Agenda

- Project update
  - Field investigations and summary of first phase
  - Pipeline alignment
  - Facility building structure and placement (odor control/electrical)
- Planning for construction
- Upcoming opportunities for public participation
- Next steps



# Project status

- 
- Submitted final facility plan to Department of Ecology
  - Completed environmental review process
  - Spring 2011 – 2012: design and permitting phase
  - December 31, 2012: Ecology review of final design
  - Mid 2013 – Mid 2015: construction





# Addressing community concerns

- Community concerns are collected throughout planning and design
- Comments gathered during the State Environmental Policy Act (SEPA) process
- Neighborhood conversations
- Community meetings and briefings





# Early design activities

- Conduct field investigations
- Consider community input
- Refine pipeline alignment and building location and configuration





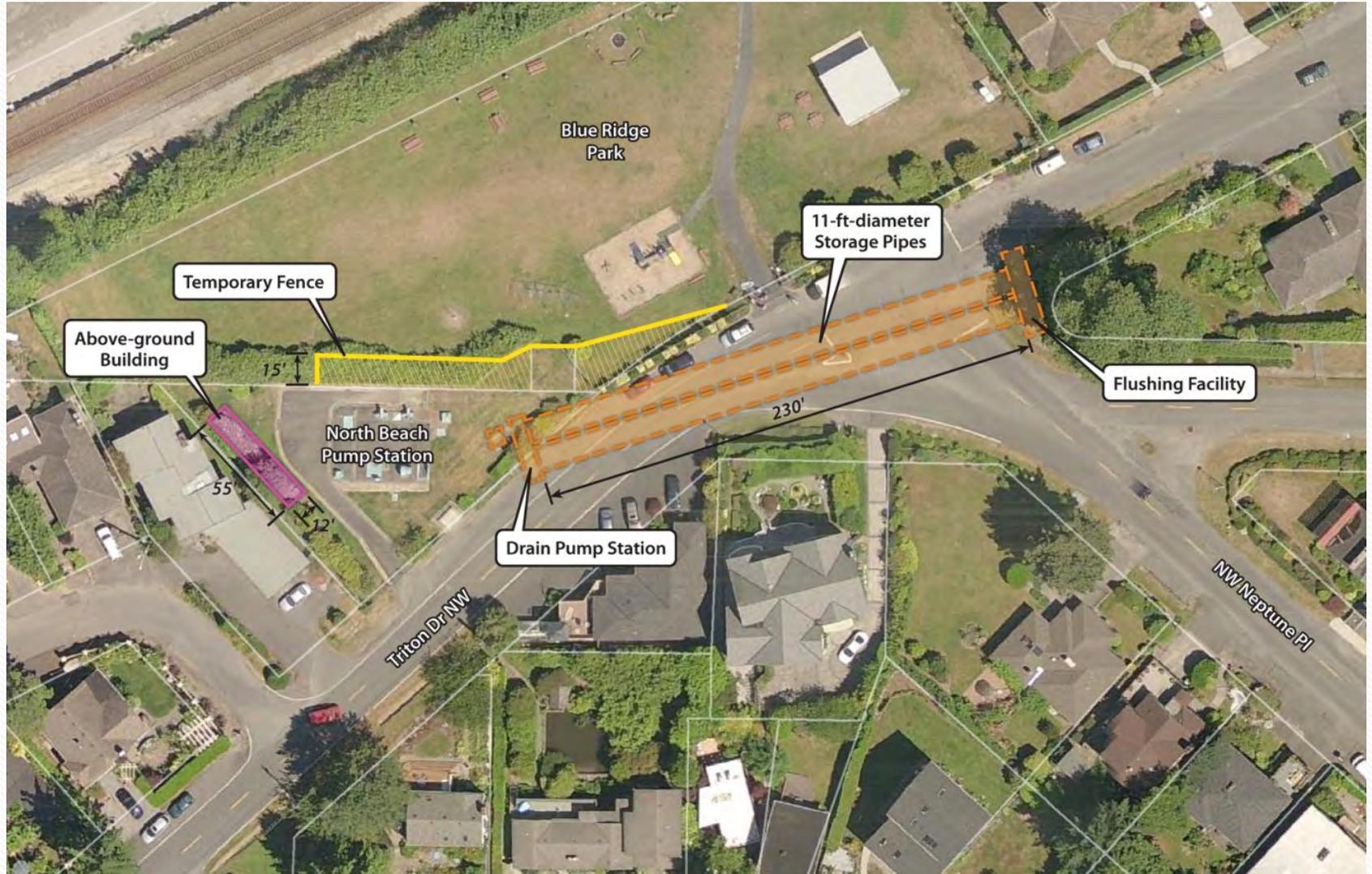
# Field investigations

- Geotechnical borings
- Right-of-way and County site survey
- Utility locations
- Existing pump station investigations





# Pipeline configuration





# How did we refine pipeline storage?

**King County will design and install parallel 11-foot diameter pipes, 230 feet long**

- Reduces the construction footprint
- Maintains access to park and driveways
- Provides access to facility that is out of the roadway, improving crew safety and reducing traffic impacts
- Allows for a simple, lower-maintenance flushing system that uses less water
- Reduces interference with underground utilities



# Pipeline construction area





# Pipeline construction area



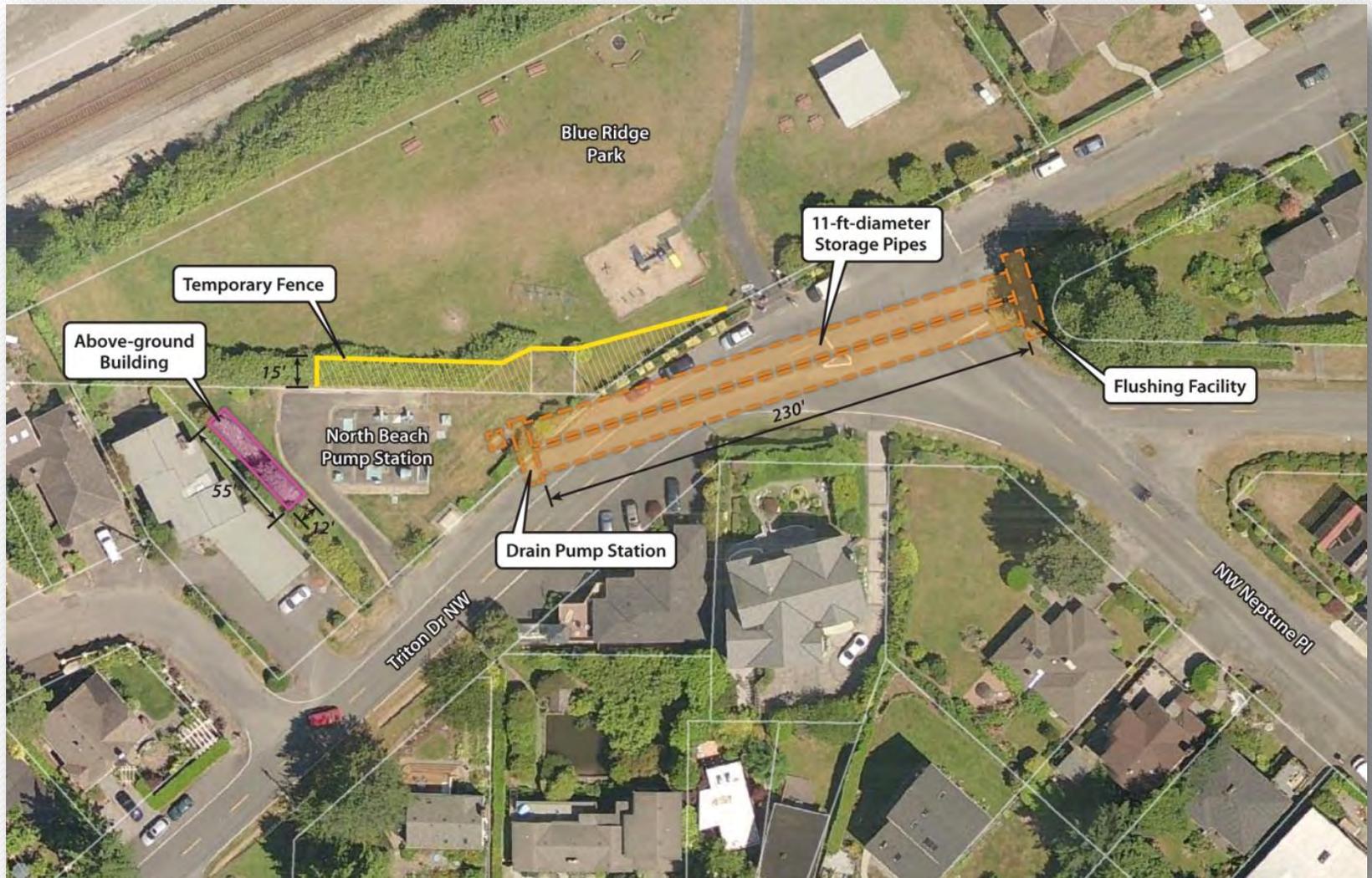


# Pipeline construction area



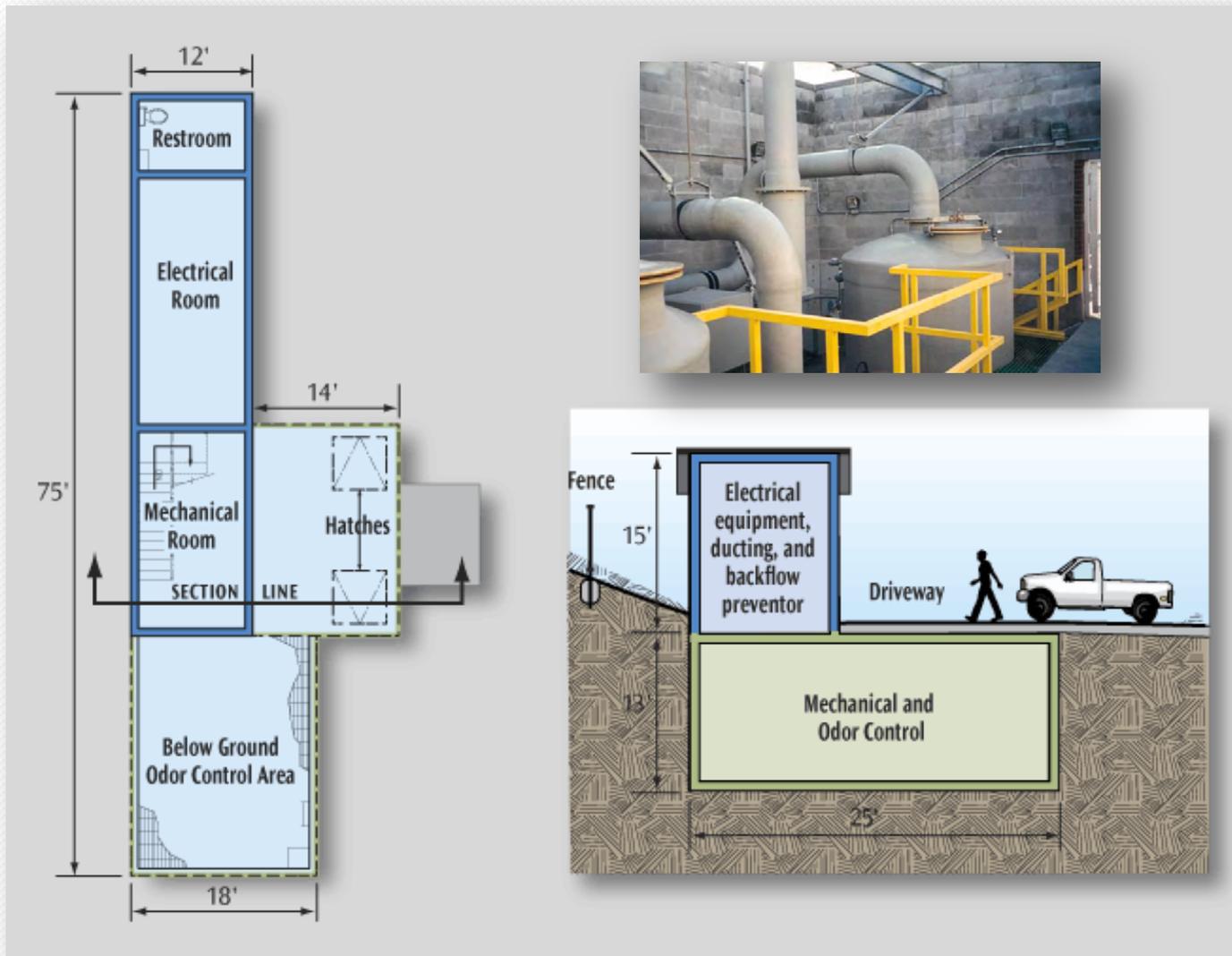


# Current building configuration





# Above- and below-ground building





# Fan removal





# Building location





# Site access





# Building Design Update

- Above-ground facility size reduced by approximately 20%
- Odor control and mechanical equipment installed below-ground
- Existing emergency generator used for storage facility
- Two existing surface fans moved to new building
- Diverted peak flows from the pump station wet well
- New odor control facility provided for both the CSO storage facility and pump station



# What will the area look like after construction?



*Completed underground storage pipeline,  
Boeing Creek Park*



*Access hatch*



*Access hatch*



# Construction duration

- Expected to begin in mid-2013
- 18- to 24- month duration





# Construction in the Right-of-Way





# Traffic control plan





# Bus routes and detours

- We work with Metro for transit detours
- We work with the school district for school bus route changes





# Keeping the community up to date

- Web updates
- Door hangers
- Newsletters
- Press releases
- Emails and mailings
- Community group briefings

**July 2012** - Event on site at the project area- site restoration and construction preview

**North Beach CSO Control Project**  
King County Department of Natural Resources and Parks Wastewater Treatment Division  
NEWSLETTER - JANUARY 2012

### King County's Design Team Shares Preliminary Design of the North Beach CSO Control Project

A multidisciplinary design team has been working hard to meet deadlines set by Washington State Department of Ecology for design of the North Beach CSO Control Project. Ecology requires the final design to be submitted by December 2012.

Neighbors and park users may have received notice about field investigations or have seen crews in the project area on Northwest Blue Ridge Drive and Triton Drive Northwest. These investigations provide the project team with important data to inform the location and configuration of project elements and to help plan for construction. Investigations have included:

- Utility surveys to inform the design on facility location and constructability
- Surveys to identify the boundary of the right-of-way in the potential project area
- Geotechnical investigation to assess soils and groundwater conditions
- Stormwater and drainage surveys to identify creek and stormwater conveyance in the project area

North Beach neighbors have helped the project team understand local conditions that have been considered in project design. Your input on King County's North Beach Pump Station site was considered as we developed a configuration for the new odor control and electrical facility.

**King County's multidisciplinary design team has been working to meet deadlines set, etc.**

You are receiving this newsletter because you live in the project area, along a potential construction haul route, or you have expressed interest in the North Beach CSO Control Project. This newsletter will provide you with an update on important decisions reached in early design, and let you know about upcoming opportunities to participate in project design.

*Upcoming community meeting in North Beach!*  
Wednesday, January 25, 2012  
6:30pm - 8:00pm  
North Beach Elementary School Cafeteria  
9018 24th Avenue NW  
Seattle, WA 98117

*North Beach neighbors meet King County's design team*

# Problem solving during construction

- Address access issues for residents, services and deliveries
- Work with construction management team to address reported problems
  - Respond to questions, concerns, and complaints



**King County**

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

**North Beach Storage Pipeline  
Project**

**24/7 Construction Hotline**

**206-XXX-XXXX**

**In an emergency, dial 911**

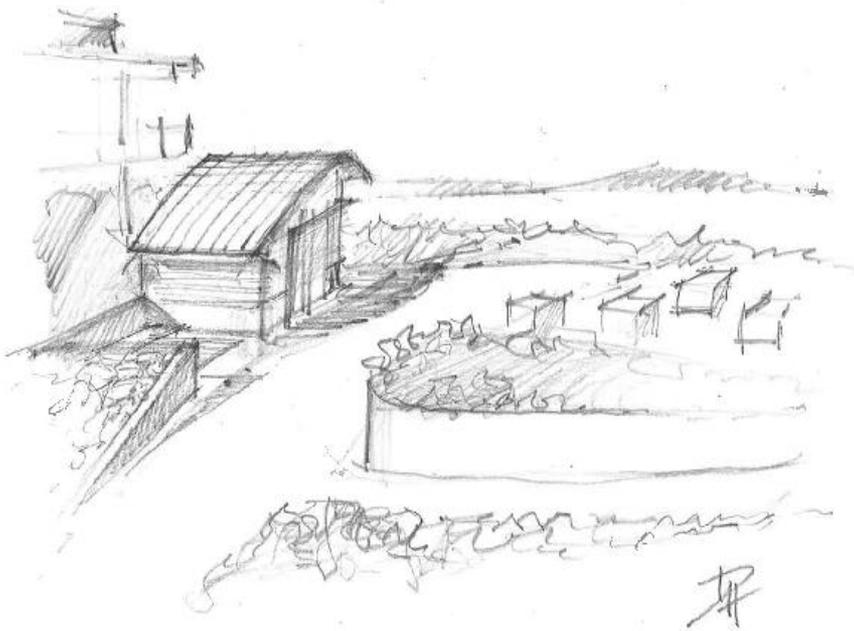


*Brightwater Project, Swamp Creek Connector, Kenmore*

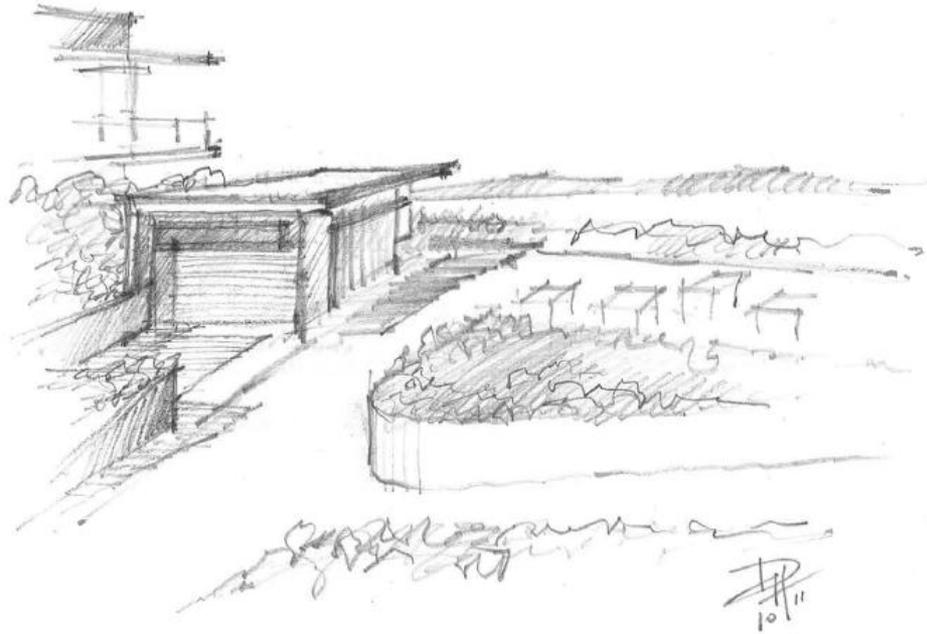


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# How will the new elements blend in to the look of the neighborhood?



Vaulted Roof Option



Flat Roof Option

**APRIL 2012 – COMMUNITY DESIGN**



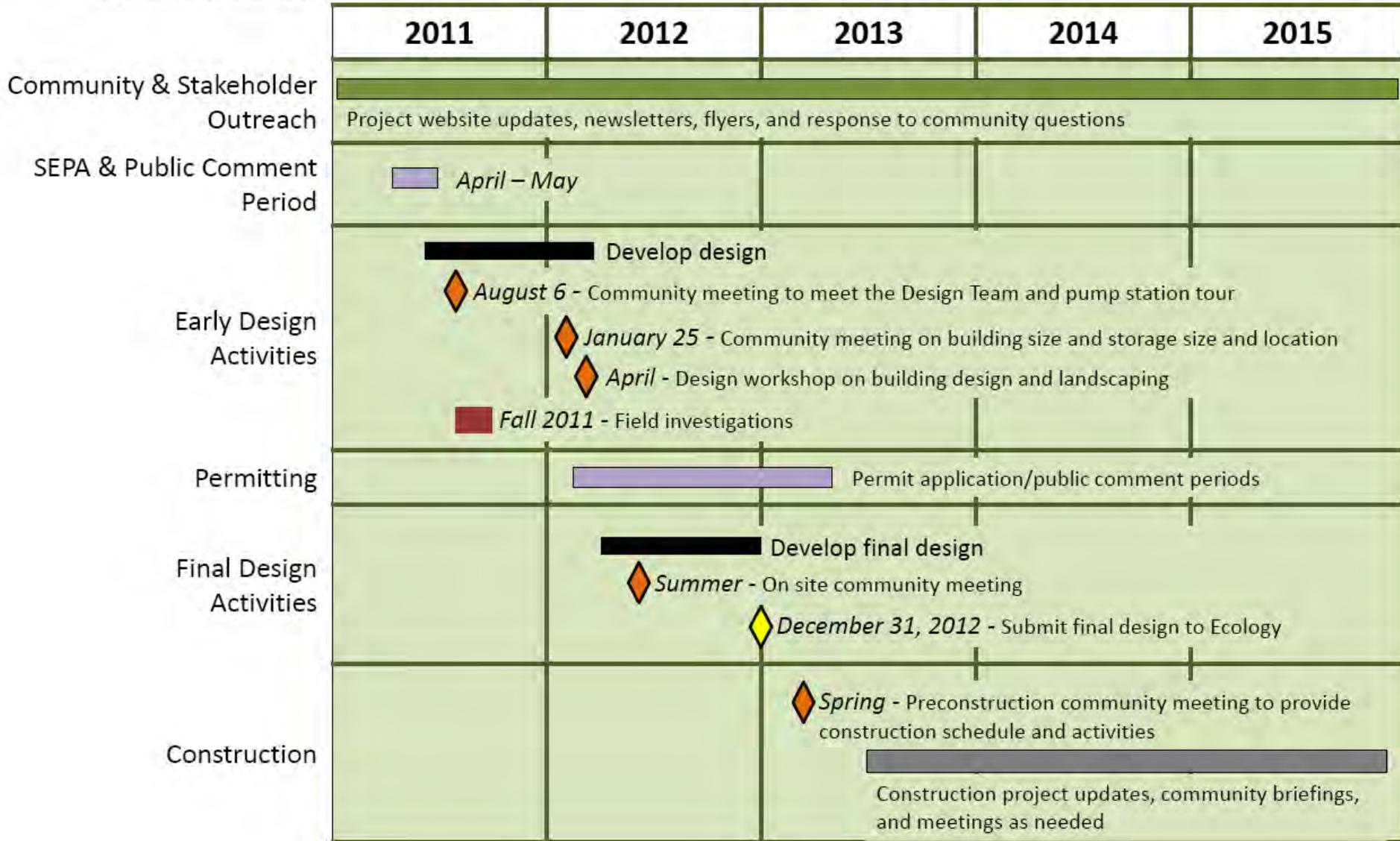
# Design elements

- Building materials
- Colors
- Building profile (flat, sloped or vaulted)
- Fencing
- Landscaping look and feel



# NORTH BEACH CSO CONTROL PROJECT TIMELINE

JANUARY 2012



# Contact Us

- Monica Van der Vieren at (206) 263-7301 or [Monica.vandervieren@kingcounty.gov](mailto:Monica.vandervieren@kingcounty.gov)
- More information on the web <http://www.kingcounty.gov/environment/wtd/Construction/Seattle/NBeachCSOStorage>



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# Questions?