

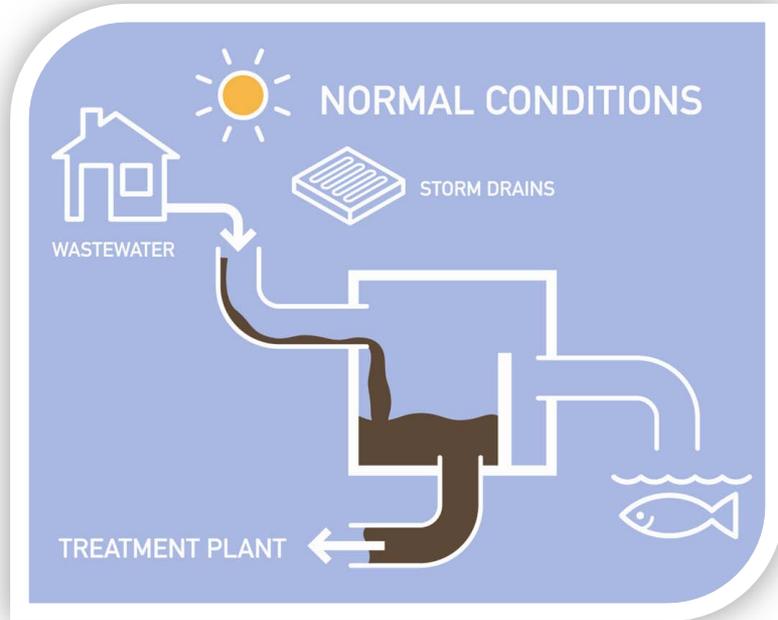
# Genesee Area Combined Sewer Overflow Reduction Project



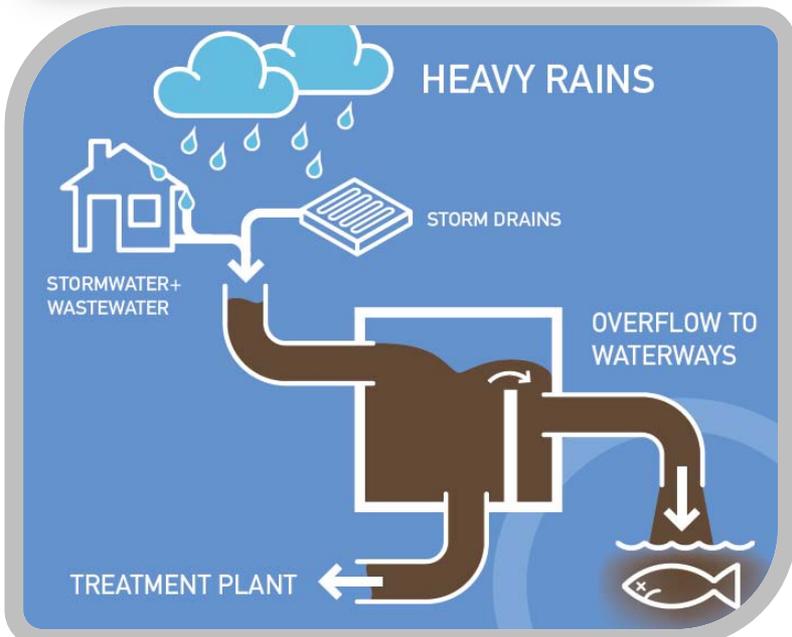
**COMBINED SEWER  
OVERFLOW REDUCTION**

**January 20, 2011**

# What is a Combined Sewer Overflow?



- Wastewater (from homes) and stormwater (from rooftops, streets) flow in a single pipe - a “combined sewer.”

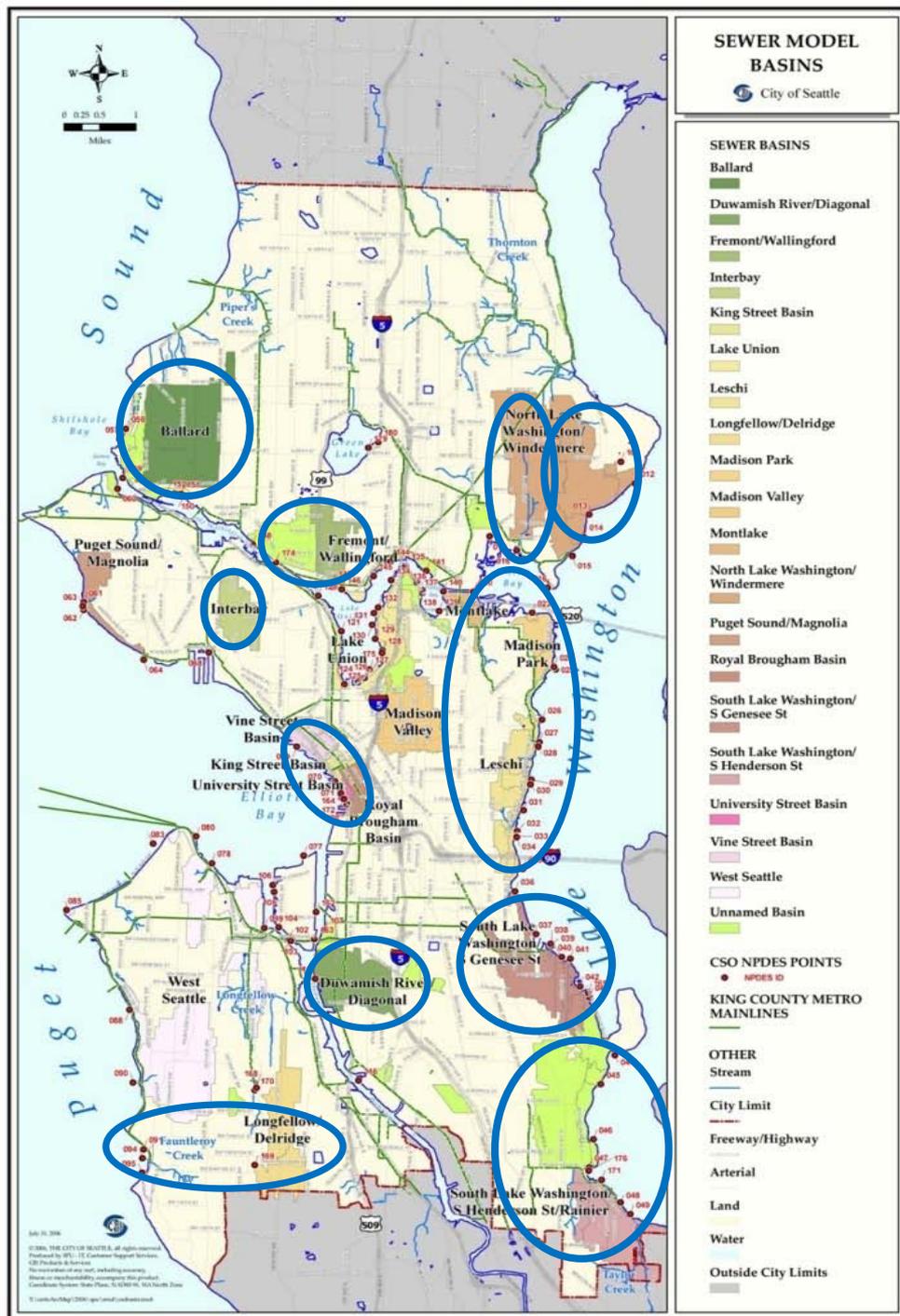


- During heavy rains, stormwater (~90%) and sewage (~10%) exceed the system, causing a combined sewer overflow (CSO) into nearest waterway.

# Focus on Next 5 Years

**Comply with Clean Water Act, state/federal regulations by:**

- 💧 Improving existing system through retrofits
- 💧 Constructing CSO reduction projects
  - 💧 Windermere, Genesee, and Henderson basins
- 💧 Piloting green infrastructure projects
- 💧 Completing Long-term Control Plan

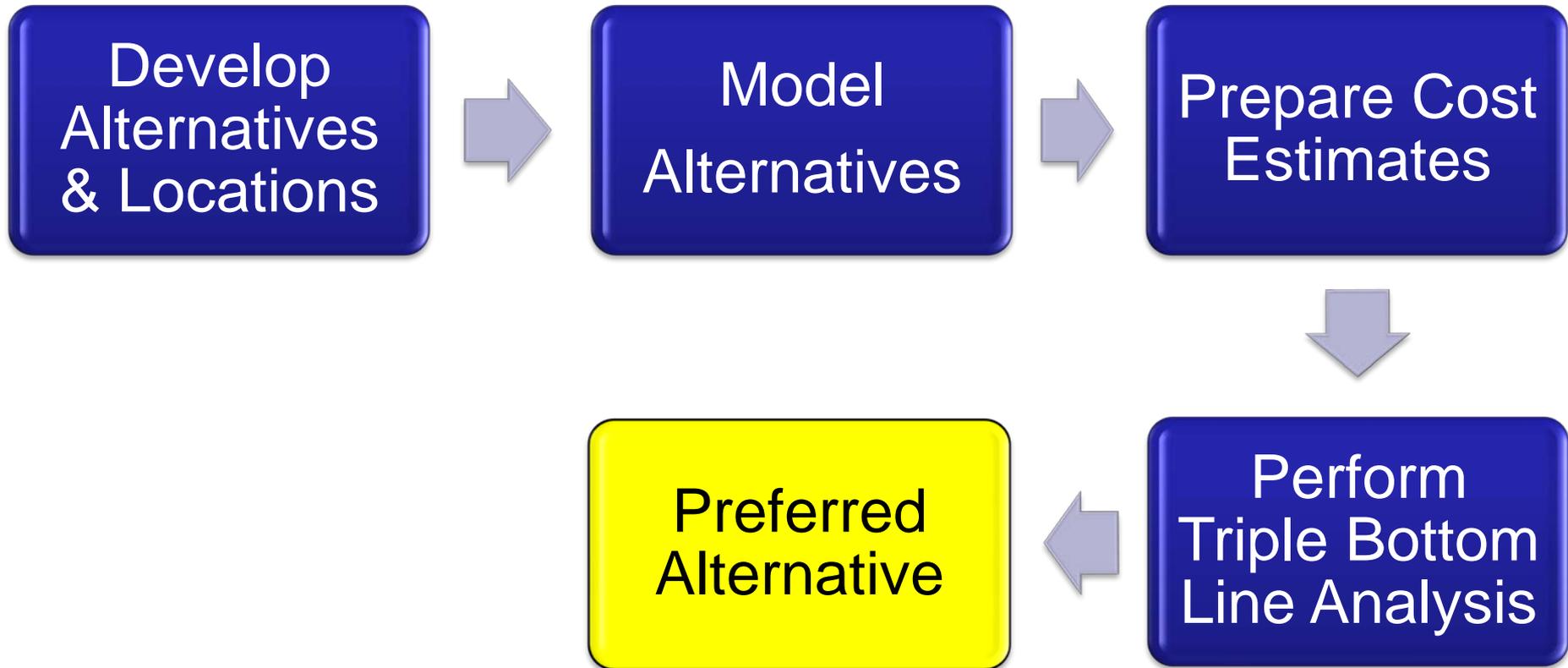


# Genesee CSO Reduction Project



- 💧 Top Priority Basin
- 💧 700 Acres
- 💧 Construction 2013-2015
- 💧 Reduces CSOs from 10 times to 1 time per year
- 💧 Storage Volumes:
  - 💧 Basins 40/41: 430,000 gal
  - 💧 Basin 43: ~250,000 gal

# Genesee CSO Reduction Screening Process



# Basin 43: Community Feedback & Report Out

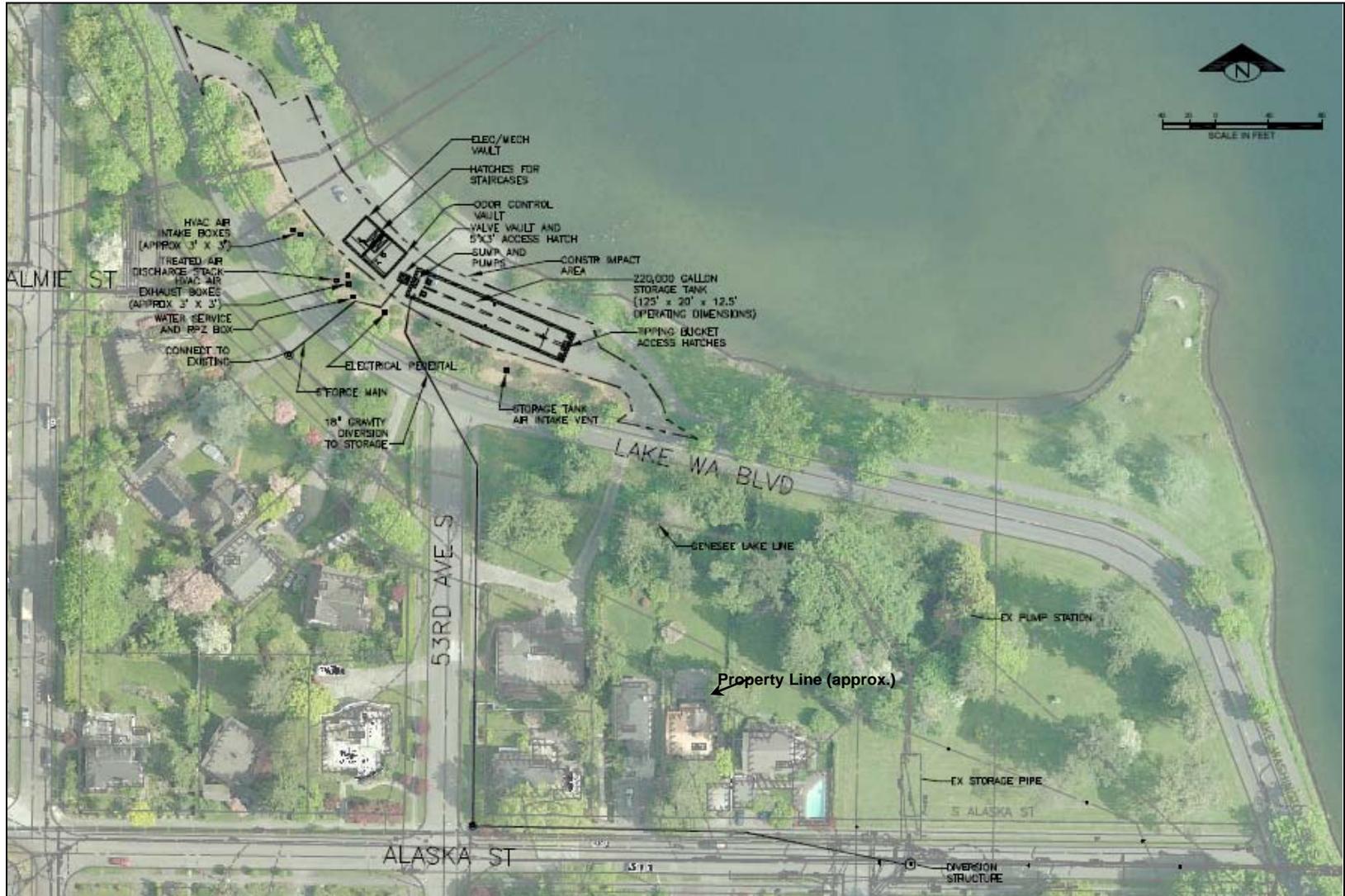
- Pipeline storage on 54<sup>th</sup> Ave S has significant construction impacts on private property owners.
- Underground storage in open space at S. Alaska St and 54<sup>th</sup> Ave S is less impacting, but green space and trees should be protected as much as possible.
- Consider parking lot at 53<sup>rd</sup> Ave S and Lake Washington Blvd as alternate site.
- Consider private property along S. Alaska Street.
- Consider constructing along S. Alaska Street instead of 54<sup>th</sup> Ave S.

# Basin 43: Storage Sites Considered

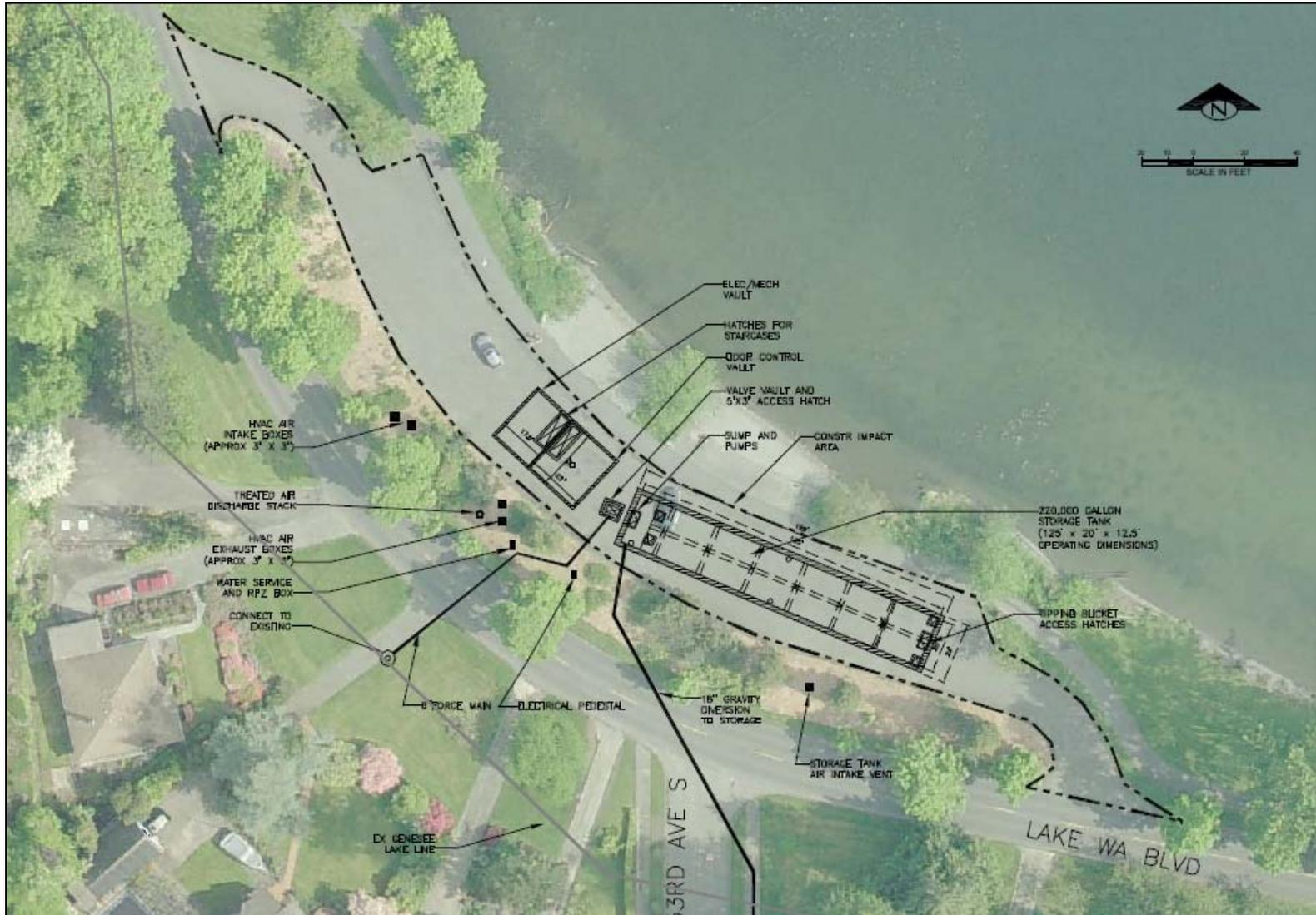


- A: 54<sup>th</sup> Ave S.
- B: Open Space at 54<sup>th</sup> Ave S and S. Alaska St.
- C: Private property acquisition (*would require acquisition of up to 5 properties around S. Alaska St & 54<sup>th</sup> Ave S.*)
- **D: 53rd Ave S. & Lake Washington Blvd Parking Lot**  
***(recommended)***

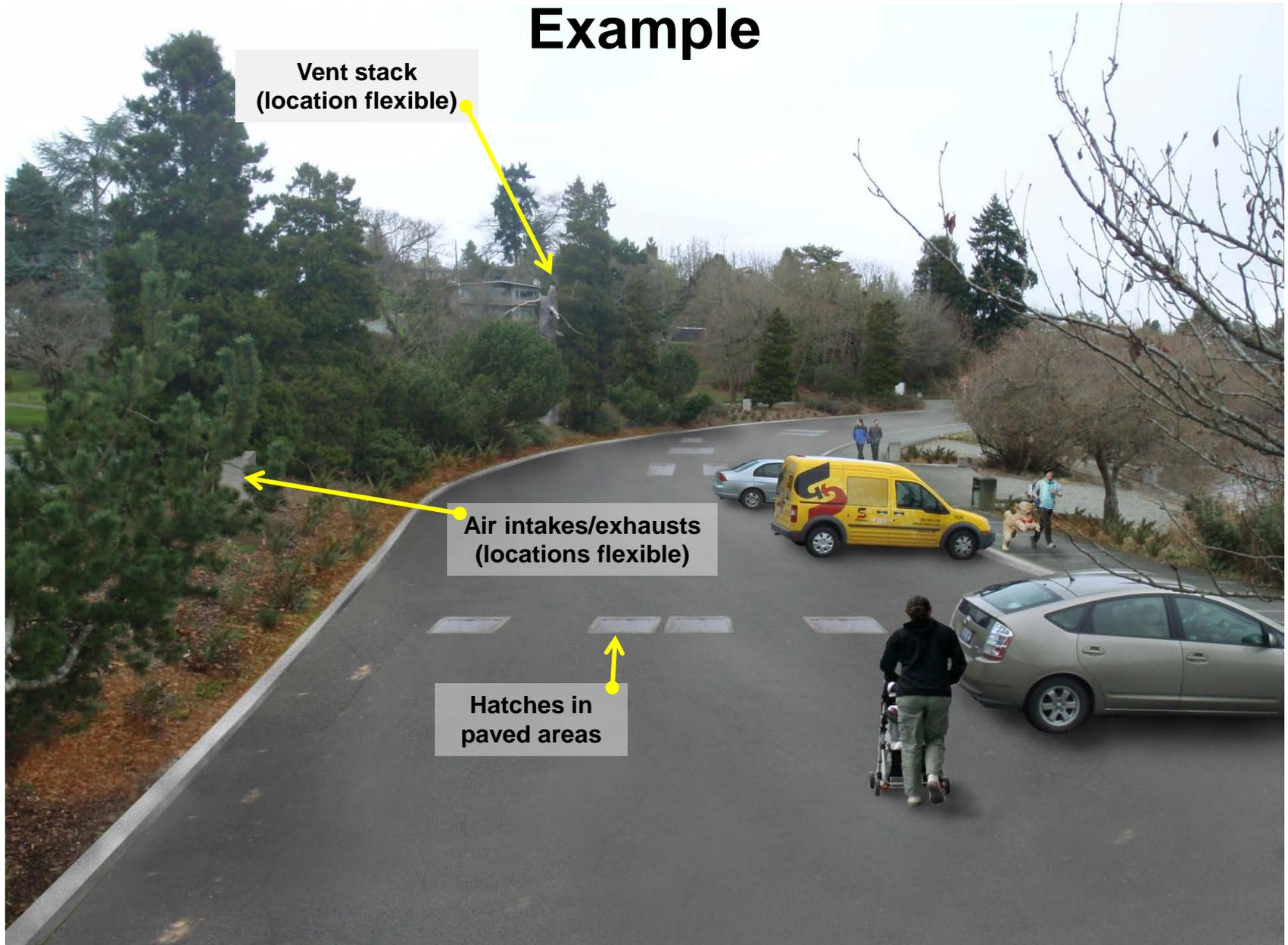
# Storage in 53<sup>rd</sup> Ave S Parking Lot (Recommended)



# Storage in 53<sup>rd</sup> Ave S Parking Lot (Recommended)



# Rendering of 53<sup>rd</sup> Ave S. Parking Lot – Screening Example



# Basin 40/41: Storage Sites Considered

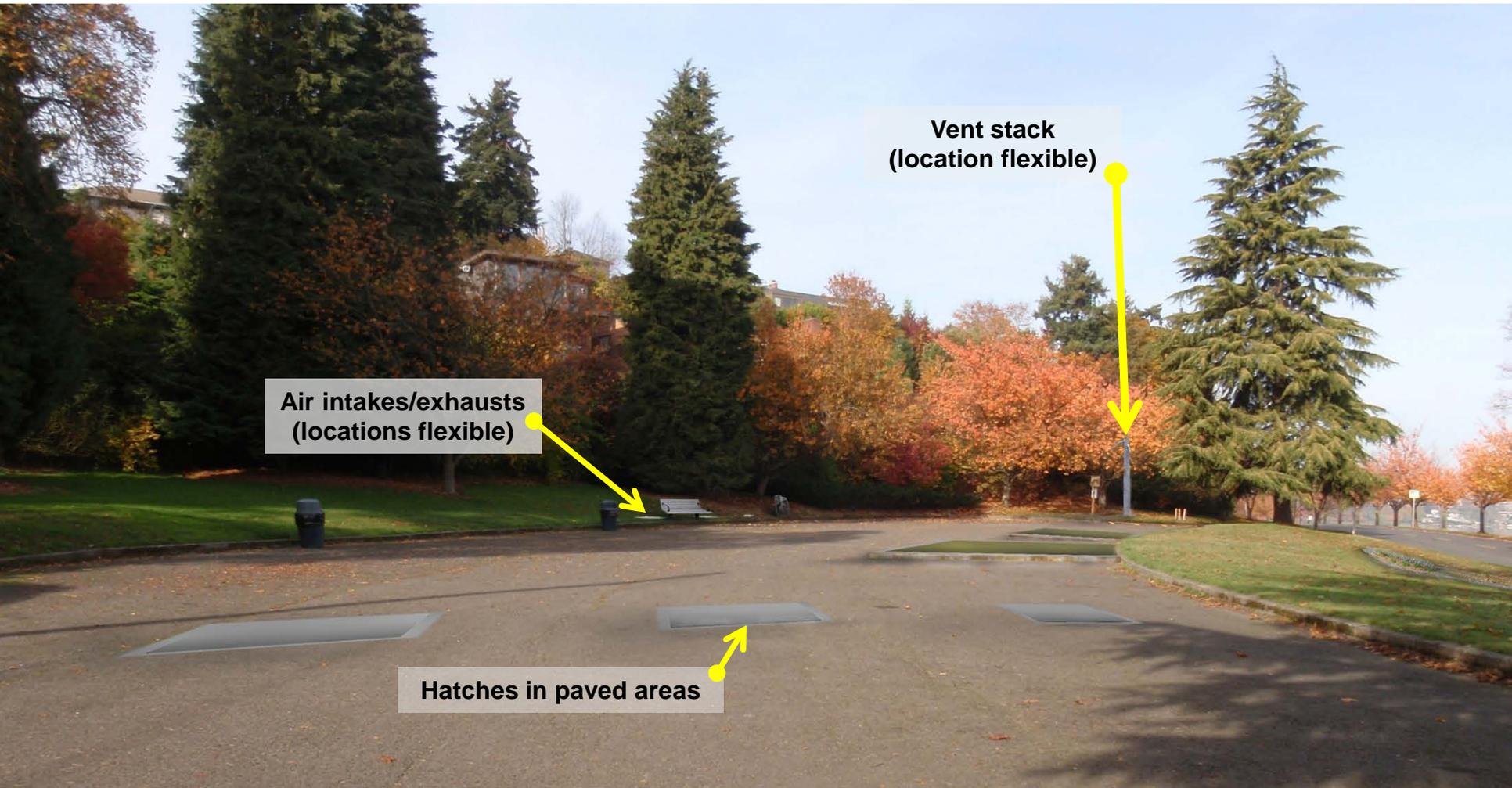


- A: Pipeline storage along Lake Washington Blvd and new pump station at Genesee Park
- **B: Triangle Parking Lot (*recommended*)**
- C: Private Property Acquisition (*would require acquisition of 3-5 properties around Lake Washington Blvd and 49<sup>th</sup> Ave S.*)

# Storage in Triangle Parking Lot (Recommended)



# Rendering of Triangle Parking Lot – Screening Example



Air intakes/exhausts  
(locations flexible)

Vent stack  
(location flexible)

Hatches in paved areas

# Next Steps

## 🔹 January/February 2011

- Preliminary geotechnical study (drilling of 2 borings)
- Cultural & Natural Resource evaluations

## 🔹 March/April 2011

- Survey to develop base map

## 🔹 April 2011

- State Environmental Policy Act (SEPA) Checklist and Determination for the recommended alternatives to be published

## 🔹 May 31, 2011

- Final Facility Plan on the recommended alternatives submitted to the Department of Ecology

## 🔹 Summer 2011

- Council Meeting (public hearing) to confirm recommended alternative for both Basin 40/41 (Triangle Parking Lot) and Basin 43 (53<sup>rd</sup> Ave S. Parking Lot)



# Project Outreach

Presentations and briefings to community:

- ✓ June 7, 2010 - Mt. Baker Community Club
- ✓ June 23, 2010 - Southeast District Council
- ✓ August 21, 2010 - On-site Question & Answer sessions
- ✓ August 26, 2010 - Genesee Park Neighbors Association
- ✓ Sept. 14, 2010 - Lakewood/Seward Park Community Association
- ✓ Sept. 21, 2010 - Public Meeting
- ✓ Oct. 12, 2010 - Alaska St. SW & 54<sup>th</sup> Ave S. Neighborhood Meeting
- ✓ Nov. 1, 2010 - Friends of Seattle Olmsted Parks
- ✓ Nov. 9, 2010 - Public Meeting
  
- ✓ **Jan. 20, 2011 - Public Meeting**
- Jan. 27, 2011 - Seattle Parks Board Meeting**
- Feb. 7, 2011 - Friends of Seattle Olmsted Parks**

# Next Phase of Project Outreach

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- ❑ **Design Phase Communications** (Summer 2011 through End of 2012)
  - ❑ Focus on design elements (e.g., landscaping, location of stack/vents, etc.)
- ❑ **Construction Phase Communications** (2013-2015)
  - ❑ Focus on construction impacts (e.g., road closures, path closures, traffic rerouting, etc.)

# On-going Project Communications

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- ❑ SPU will send out project updates through the e-mail distribution list (listserv)
- ❑ Presentations, project updates, and other information will be posted to the project website ([www.seattle.gov/cso/genesee](http://www.seattle.gov/cso/genesee))
- ❑ You can send emails directly to the project team ([SPU\\_GCSO@Seattle.gov](mailto:SPU_GCSO@Seattle.gov))
- ❑ You can call and leave a message for the project team (206-826-4767)

# Contact Information

[SPU\\_GCSO@Seattle.gov](mailto:SPU_GCSO@Seattle.gov)

206-826-4767

[www.seattle.gov/CSO](http://www.seattle.gov/CSO)

If you would like to be included on the project email list – sign up in back, or sign up at [www.Seattle.gov/cso/genesee](http://www.Seattle.gov/cso/genesee)