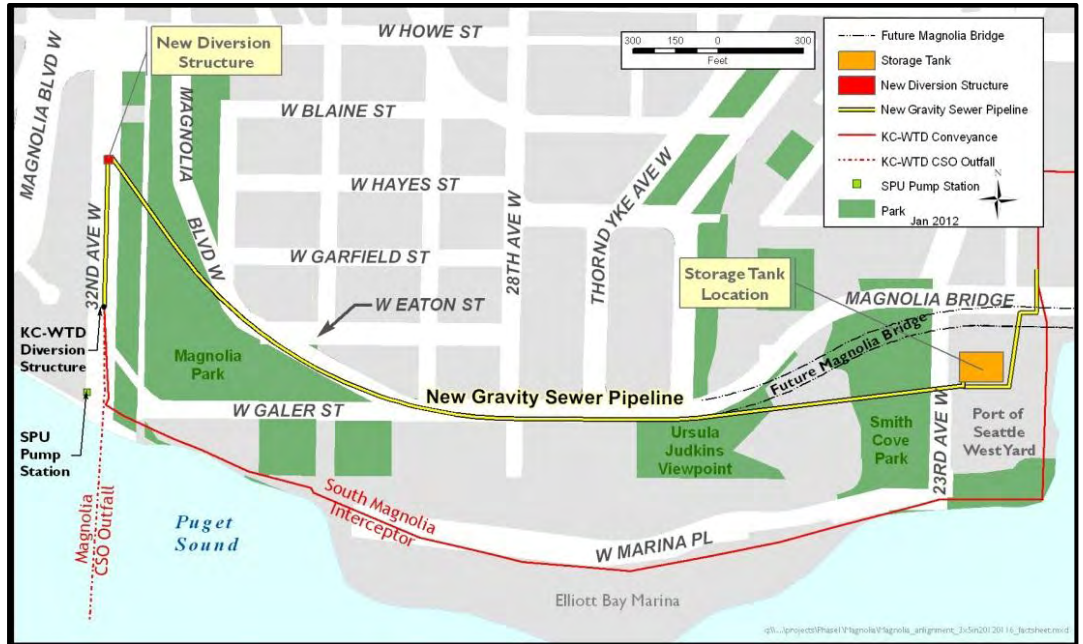




King County Continues Design of the South Magnolia CSO Control Project

To limit combined sewer overflows (CSOs), King County will design and build an underground storage tank in the Port of Seattle’s Terminal 91 West Yard south of the Magnolia Bridge. This facility will store peak combined sewer flows so that CSOs are limited to no more than one per year on a long-term average. After storms have passed, flows will be transferred to the Interbay Pump Station for conveyance to the West Point Treatment Plant.



Why does King County need to do this project?

In 2008, King County reported that the South Magnolia CSO facility had 19 overflows per year on average that discharge a total of 31 million gallons of untreated wastewater and stormwater into Puget Sound off of South Magnolia. King County is working to meet current regulations set by the Washington Department of Ecology that require no more than one untreated discharge per year on a long-term average.

Did you know?

CSOs can occur at any time of the year when stormwater fills the sewer system beyond capacity. **For real-time notification of CSOs visit:** www.kingcounty.gov/environment/wastewater/CSOstatus

Combined Sewer Overflows (CSO) occur in older parts of King County’s wastewater system that carry both wastewater and stormwater to the treatment plant. When heavy rains fill the pipes, excess stormwater and sewage flow directly into local waterbodies. Historically, CSOs were designed into the system to avoid damage to facilities and sewer backups into homes and businesses and onto streets during storms.

Today, CSOs are a concern because untreated wastewater and stormwater may be discharged to Puget Sound during large storms posing risks to public health and the environment.



Project elements

- An underground diversion structure located in the right-of-way under 32nd Avenue West
- Approximately 3,000 lineal feet of gravity sewer pipeline connecting the diversion structure to the storage tank
- An underground storage tank in the Port of Seattle’s Terminal 91 West Yard south of the Magnolia Bridge
- Underground structures adjacent to the tank that will manage flows entering and leaving the tank
- A pipe connecting the storage tank to the South Magnolia Interceptor at the Port of Seattle
- An ancillary equipment facility including odor control and electrical equipment, located in the Port of Seattle’s Terminal 91 West Yard area
- Restoration of the right-of-way in accordance with permit conditions
- Surface restoration in affected project area

Storage tank site location



Project timeline

<i>Activities</i>	<i>Dates</i>
Technical information session – <i>conveyance</i>	Jan 21, 2012
Community meeting – <i>tank configuration</i>	Feb 15, 2012
Additional field investigations	Spring 2012
Community meeting – <i>conveyance & tank construction</i>	June/July 2012
Community meeting – <i>final design</i>	Fall 2012
Ecology approves Final Design	Dec 2012
Community meeting before construction begins	Spring 2013
Construction procurement process	Early 2013
Construction (Approx. 2.5 years)	2013 - 2015

For more information:

Visit the project website:

www.kingcounty.gov/environment/wtd/Construction/Seattle/SMagnoliaCSOStorage

Hard copies available upon request.

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