



## ***Project Element: Restoration***

**Fall 2013**

King County Wastewater Treatment Division knows that communities are concerned about how their streets, trails, and parks will be restored after a construction project is completed. The Fremont Siphon Replacement Project will be carried out in densely populated urban neighborhoods in Fremont and Queen Anne where parking, park space, and trail access are highly valued. As the project team has conducted public outreach, we have heard the community's concerns about restoration. Restoration details are still being defined but we will keep the community up to date as restoration plans develop.

Currently, the project team has completed assessment of existing site conditions, including property surveys, soil and groundwater conditions, roads and trails, existing utilities, and tree surveys within the project areas in both Queen Anne and Fremont.

### **Streets and trails**

The Seattle Department of Transportation (SDOT) will establish permit conditions for restoration of the right-of-way and both the Burke Gilman Trail (Fremont) and the Ship Canal Trail (Queen Anne).

### **Fremont Canal Park**

Multiple agencies will be consulted to provide input regarding restoration of the areas of Fremont Canal Park and the Ship Canal area. SDOT is the owner of the Fremont Canal Park area; the surface is managed by the Seattle Parks and Recreation Department. Both state and federal agencies and tribal entities have interests in work that will be carried out to replace the City of Seattle's CSO outfall in the Ship Canal. King County will seek interagency coordination on restoration plans for this area.

### **King County property**

The project team will apply for permits from the City of Seattle Department of Planning and Development. These permits will specify requirements to meet current codes, including stormwater management and replacement of vegetation. The project design will also consider several memorial features located on the Environmental Laboratory site.



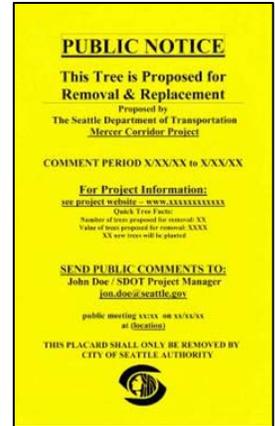
*Construction will be carried out near King County's existing facilities on each side of the Ship Canal*



## Restoring green spaces

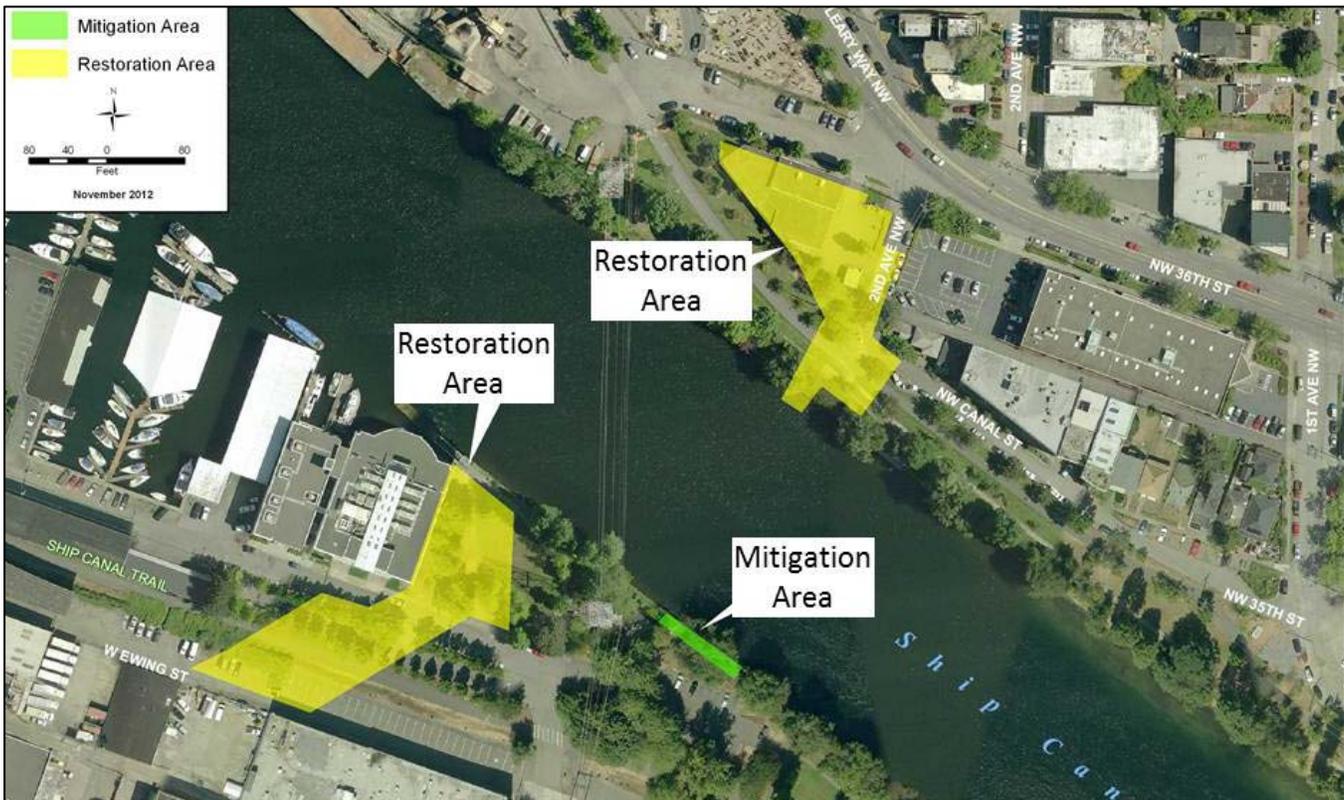
Project staff will work closely with agencies and jurisdictions on restoration conditions for the affected project areas (see map below). A tree survey has been completed in the project areas and a certified arborist evaluated the trees for health and potential for transplantation.

Twenty-five trees in Fremont and 21 trees in Queen Anne need to be removed for this project. Trees will be replaced during site restoration and the team will select replacement tree species taking into consideration stormwater management functions, habitat and aesthetics. Signs like the one to the right will be placed on the trees that need to be removed in the project areas.



## Environmental mitigation

As part of the project, King County will improve vegetation along the Ship Canal in Queen Anne to mitigate the in-water work to replace the City's CSO outfall. The project will remove invasive ivy and replace it with native vegetation that provides ground cover and overhangs the waterway (see "mitigation area" in map below). The project team will select native vegetation that benefits local wildlife and provides erosion control.



## Stormwater management

King County will follow City requirements to mitigate impervious surfaces on site. Requirements may be met by landscaping features that could include bioretention swales, rain gardens, trees or other measures.

## For more information

Visit [www.kingcounty.gov](http://www.kingcounty.gov) and search "Fremont Siphon"

Contact Adair Muth at [adair.muth@kingcounty.gov](mailto:adair.muth@kingcounty.gov) or 206-477-5505