



Murray CSO Control Project

Final Facility Design Presentation

December 11, 2012

Design update

- Facility modified to incorporate community feedback
 - Revised elevations for western and southern building
 - Modulated parapet keyed to view corridors
- Site
 - Interpretive signs added to viewing area
 - 3 locations
 - Informational signs about project art near Beach Drive
 - Community input welcome on sign content and format
- Design to be submitted to Department of Ecology by 12/31
 - Interpretive sign development will continue into 2013

Facility Overview

Plan



Facility

North Elevation



Facility

West Elevation



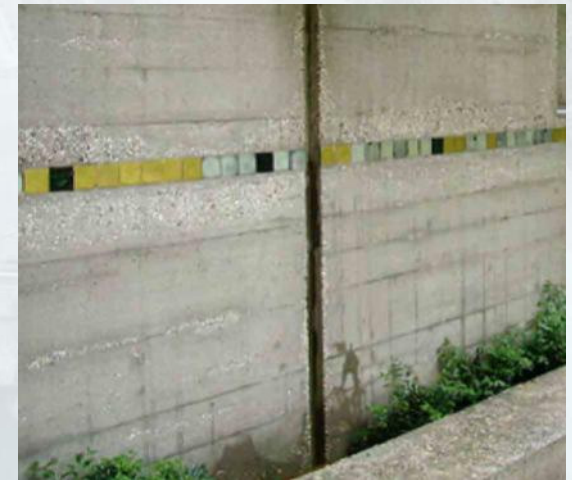
Facility Materials



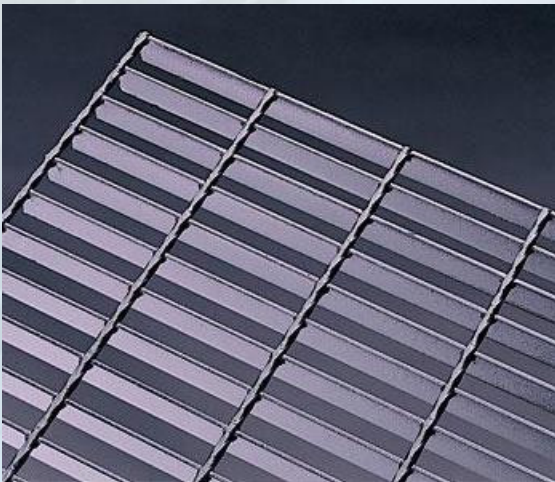
Corduroy textured concrete



Rammed earth walls



Art inlays



Metal grating



Semi-translucent glazing



Metal pedestrian guardrail

Site

View from North of CSO Facility



Site

View looking North from public stairway



Site

View up public stairway



Site

View up public stairway at night



Site

View towards Facility Building rooftop viewpoint



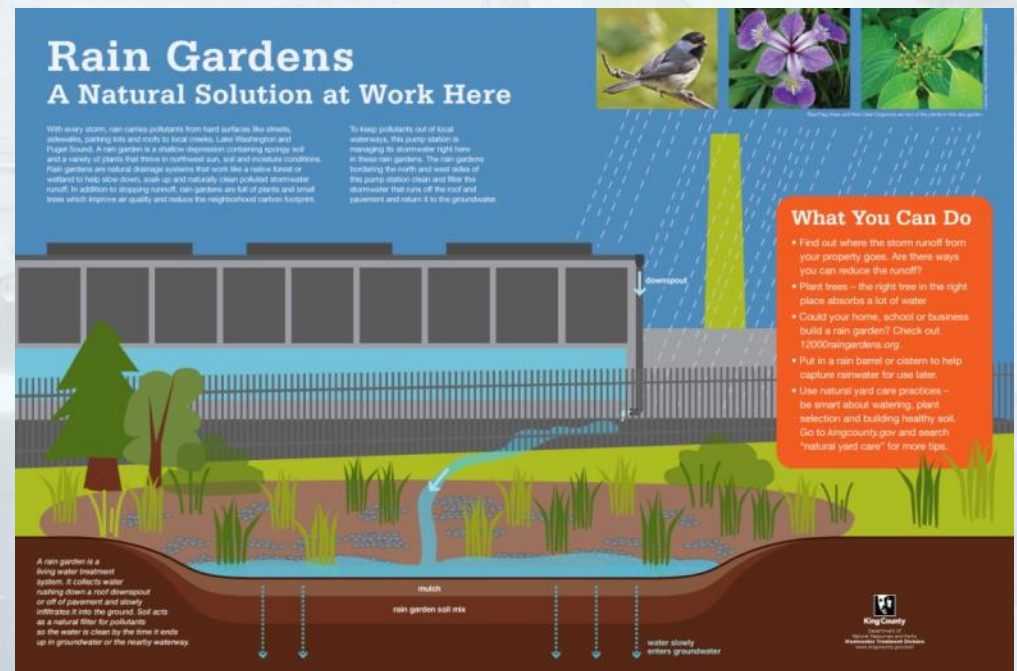
Site

View towards Facility Building rooftop viewpoint at night



Interpretive Signage

- Signage needed to inform:
 - What is a rain garden?
 - What? CSO facility and pump station process and components
 - Why? Context including mountains, sound, Murray drainage basin
 - How? How an individual can help reduce the problem



Example of interpretive signing

Interpretive Signage

Welcome to Brightwater's Influent Pump Station – an important part of the treatment system

You are two miles from the Brightwater treatment facility at the pump station that delivers flows to the plant. The 114-acre treatment plant site is worth a visit as it combines a wastewater treatment facility with public walking trails, natural habitat areas, and an environmental education and community center.

The Brightwater Wastewater Treatment Plant cleans water so that it is safe to reuse or return to the environment. It can treat 36 million gallons of wastewater every day and can be expanded to handle 54 million gallons a day.

After treatment, the clean water passes through pipes under this facility and heads either to be reused for irrigation and industrial uses as reclaimed water or out to Puget Sound.



History of Brightwater

In the 1950s, Lake Washington was too polluted for swimming. Citizens rallied and voted to build and operate regional sewage treatment facilities.

The system they built cleaned up Lake Washington and improved water quality throughout the central Puget Sound area. By the beginning of the 21st century, the system was reaching capacity and a new treatment plant was needed. The Brightwater System was sited in 2003 and construction began in 2006.

The complete system began operating in 2012.



What You Can Do At Home

The easiest way to protect and conserve water is to think about your everyday habits.

To Protect Water Quality:

- Keep items such as medicines, diapers, and wipes out of the sewer system.
- Flush only toilet paper.
- Put kitchen grease and oil in the trash or take to a bio-diesel facility instead of down the drain.
- Dispose of pet waste, garden and garage-related chemicals properly so they don't wash down storm drains.

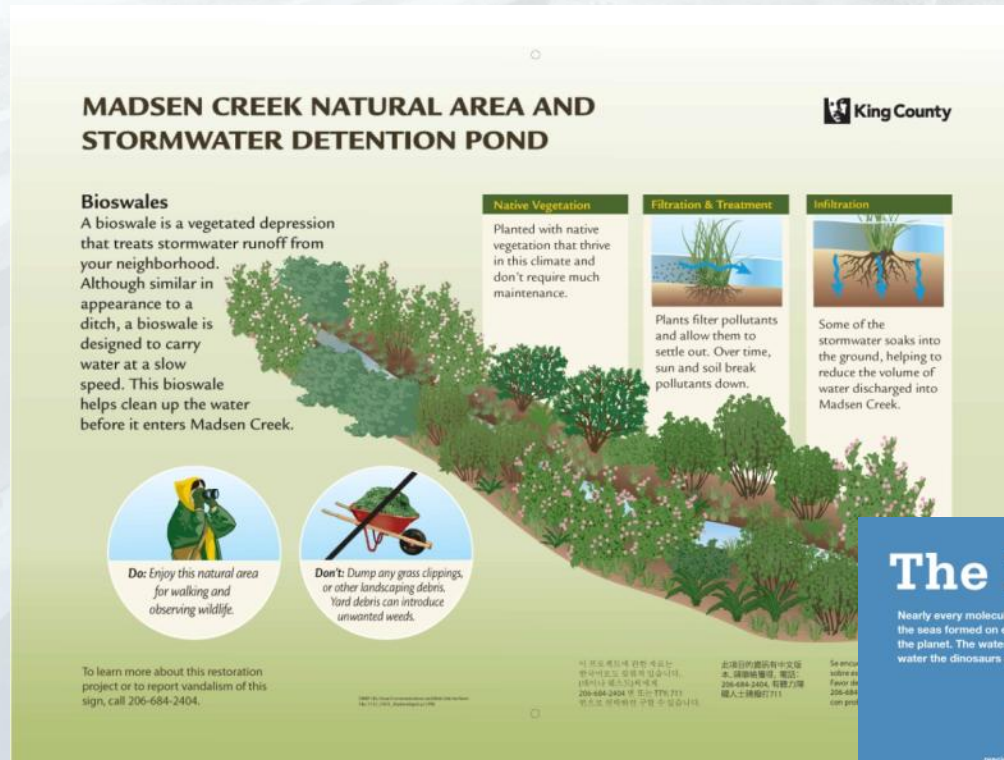
To Conserve Water and Energy:

- Turn off the faucet while you are brushing or shaving.
- Run a full dishwasher instead of hand-washing dishes.
- Fix leaks and install water-efficient toilets, showerheads, and faucets.
- Encourage businesses, family, and friends to value and practice water conservation.

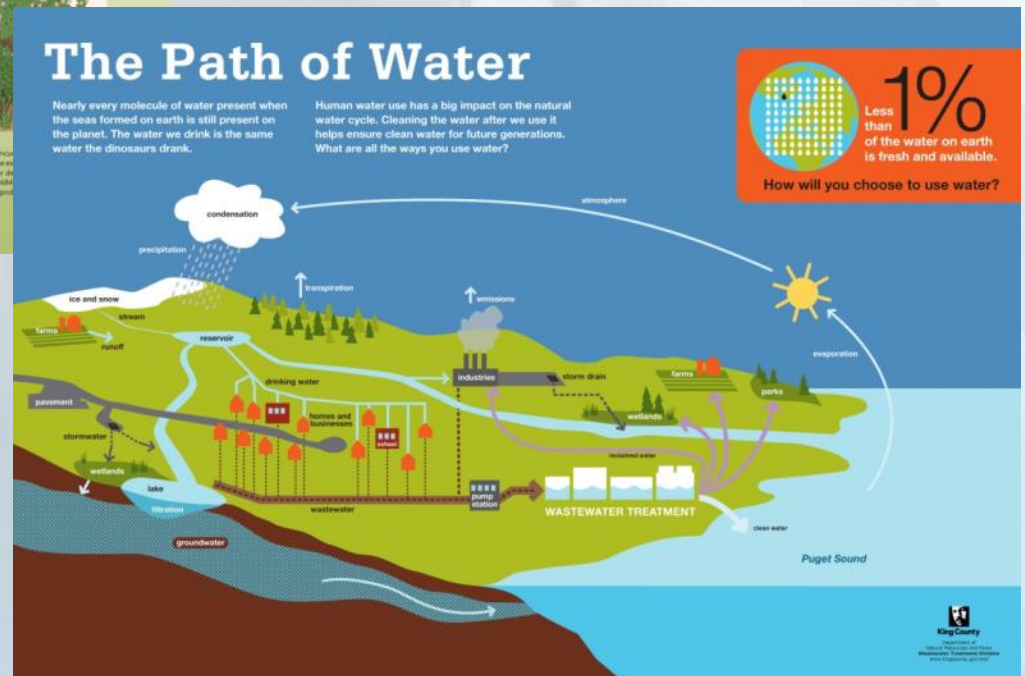


Example of interpretive signing

Interpretive Signage



Examples of interpretive signing



Pre-Construction Timeline

Task	2013 Q1			2013 Q2			2013 Q3			2013 Q4		
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Obtain permits, bid contract and deconstruct buildings on site												
Bid preparation												
Bid and award contract												
Develop and review construction submittals												
Contractor obtains permits for facility construction												
Contractor mobilizes for construction												
Fencing set up in park around construction area												
Storage Tank construction begins												
Traffic control												
Community outreach/public involvement opportunities												



- Project Update (email)



- Public meeting



- Community association briefing (Morgan Community Association, Fauntleroy Community Association)



- Project newsletter (email and regular mail)

Proposed Construction Schedule

