

# Indian Creek Stormwater Treatment Facility

Treatment of stormwater run-off from I-5 • Olympia Washington



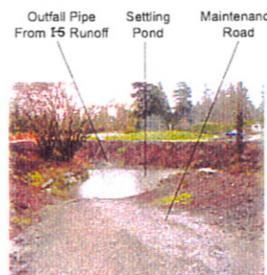
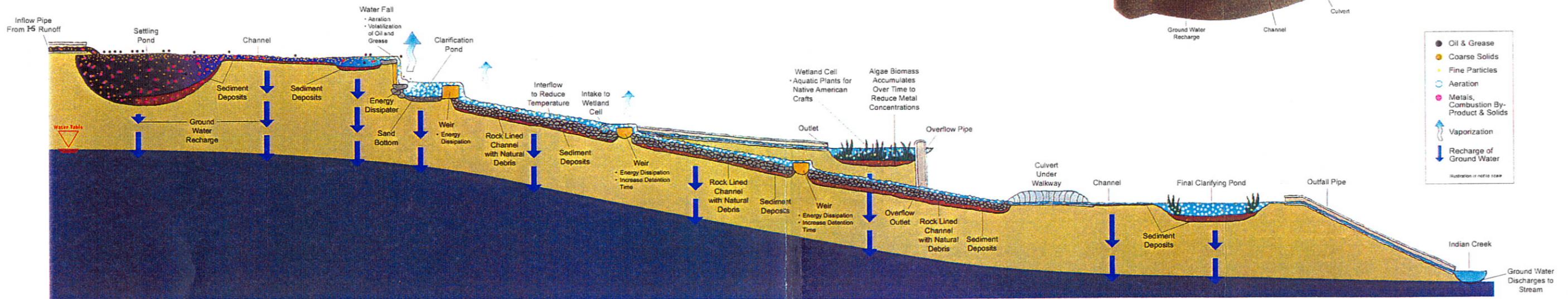
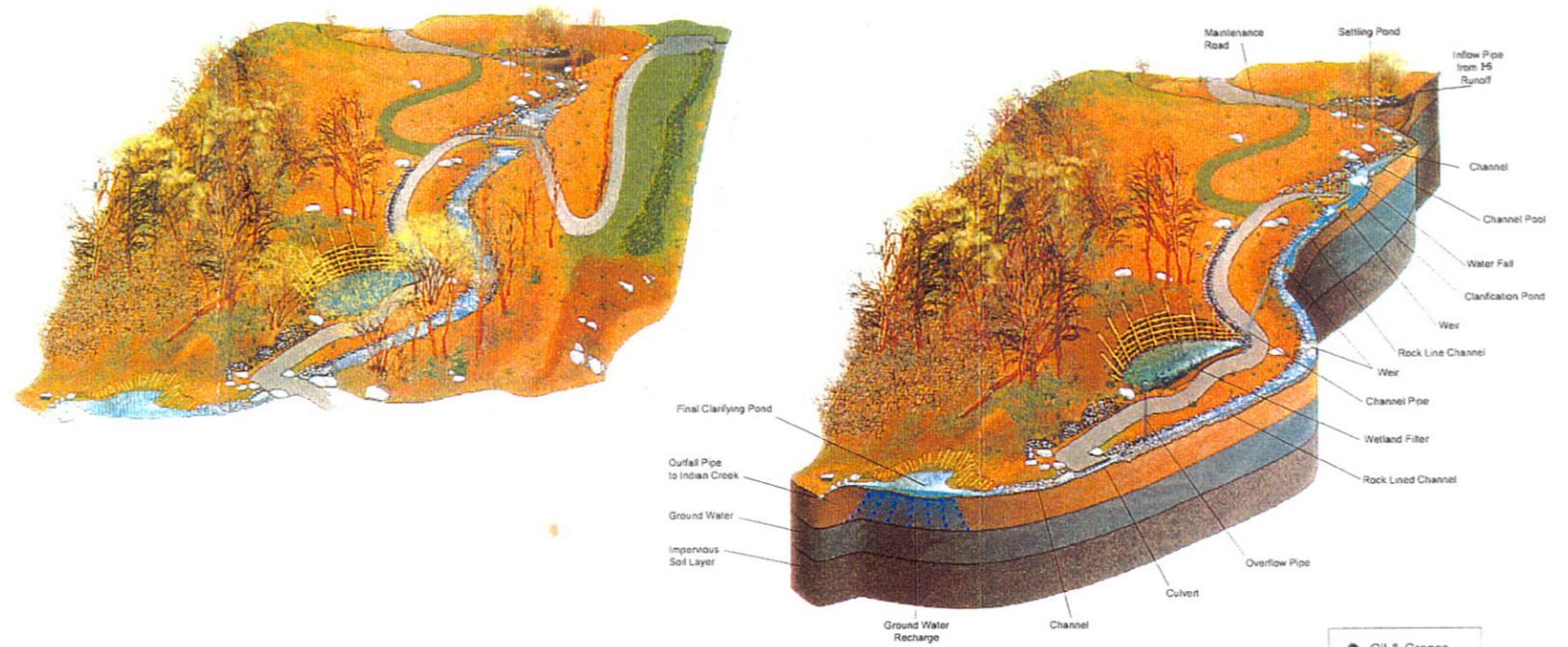
This collaborative project is sponsored by the Washington State Department of Transportation, City of Olympia Public Works Department, Parks Recreation and Cultural Services Department, and the Olympia Arts Commission.

The Indian Creek Stormwater Treatment Facility was constructed on two acres of undeveloped land, on the corner of Frederick Street and Wheeler Avenue, adjacent to the future Olympia Woodland Trail. A tributary of Indian Creek bisects the property, flowing year round through a steeply-sloped ravine. Substantial amounts of stormwater now being treated by this facility from Interstate 5 once discharged contaminates to the tributary and the creek.

Stormwater treatment at the facility removes at least 50% of the stormwater contaminants, enhancing the natural habitat of the area.

Treating the entire site as a public opportunity for an engineer/artist design team to integrate art and function throughout.

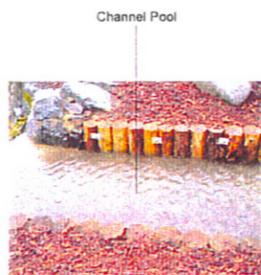
"Woven" elements on the site include the footbridge and sinuous earthworks, along with rock and log walls. Copper strapping weaves materials and words inspired by the site's history and purpose, just as water weaves through the landscape. In this place, art and function become one.



Stormwater enters treatment system.



Channel is designed to encourage accumulation of bioturbated debris for water quality treatment.



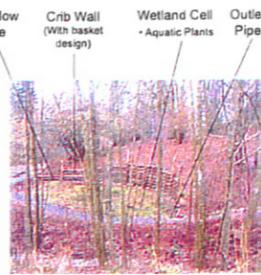
Stormwater flows through varied channel shapes and depths.



Aeration via waterfalls helps volatilize oils and grease that vehicles leave on the road surface.



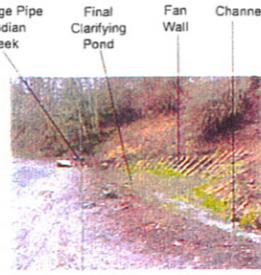
Channel slope is reduced through a series of weirs on drop structures to dissipate energy and increase detention time.



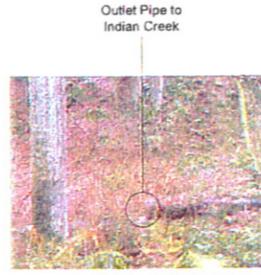
This wetland is designed to help store water during high runoff events and serve as a source for aquatic plants used in Native American crafts.



Public access is provided to a large portion of the site.

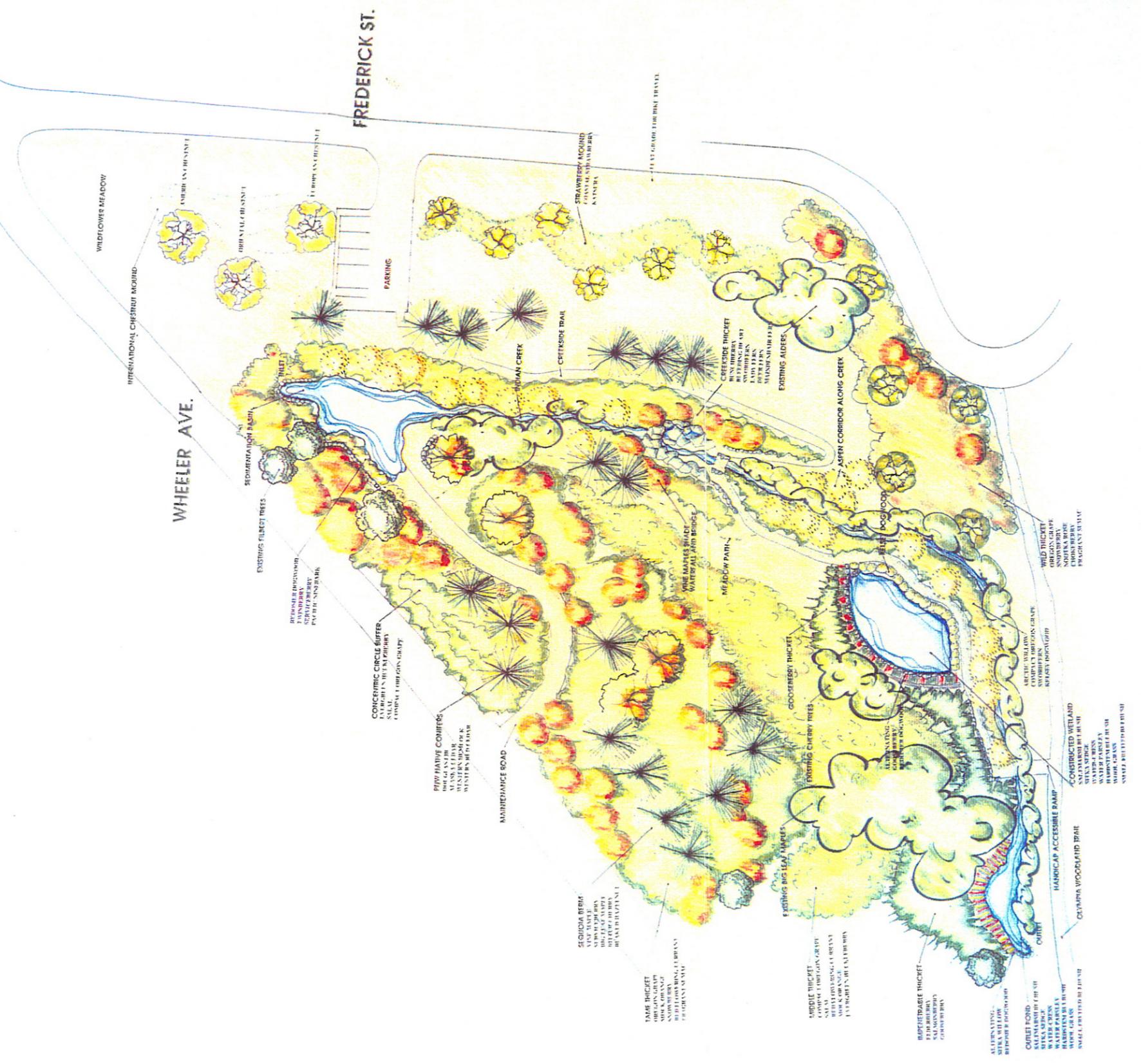


This pond serves as a final sediment trap prior to water entering Indian Creek.



Stormwater treatment has been completed and water enters Indian Creek through an outfall pipe.

# CONCEPTUAL PLANTING PLAN



# INDIAN CREEK STORMWATER FACILITY

