

SEATTLE GREEN INFRASTRUCTURE INNOVATION

CASE STUDY SERIES



Henderson North CSO Reduction Project

5900 Lake Washington Blvd S, Seattle, WA 98118

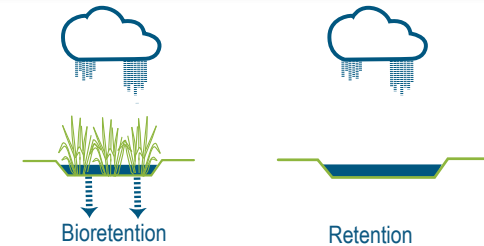
2017



PERFORMANCE SNAPSHOT

- SPU constructed an odor-controlled 2.65-million-gallon underground storage facility beneath Seward Park's tennis courts to reduce the frequency and volume of stormwater and untreated sewage that overflows into Lake Washington during heavy rain events.

GREEN INFRASTRUCTURE TECHNOLOGY TYPES



INNOVATION HIGHLIGHTS



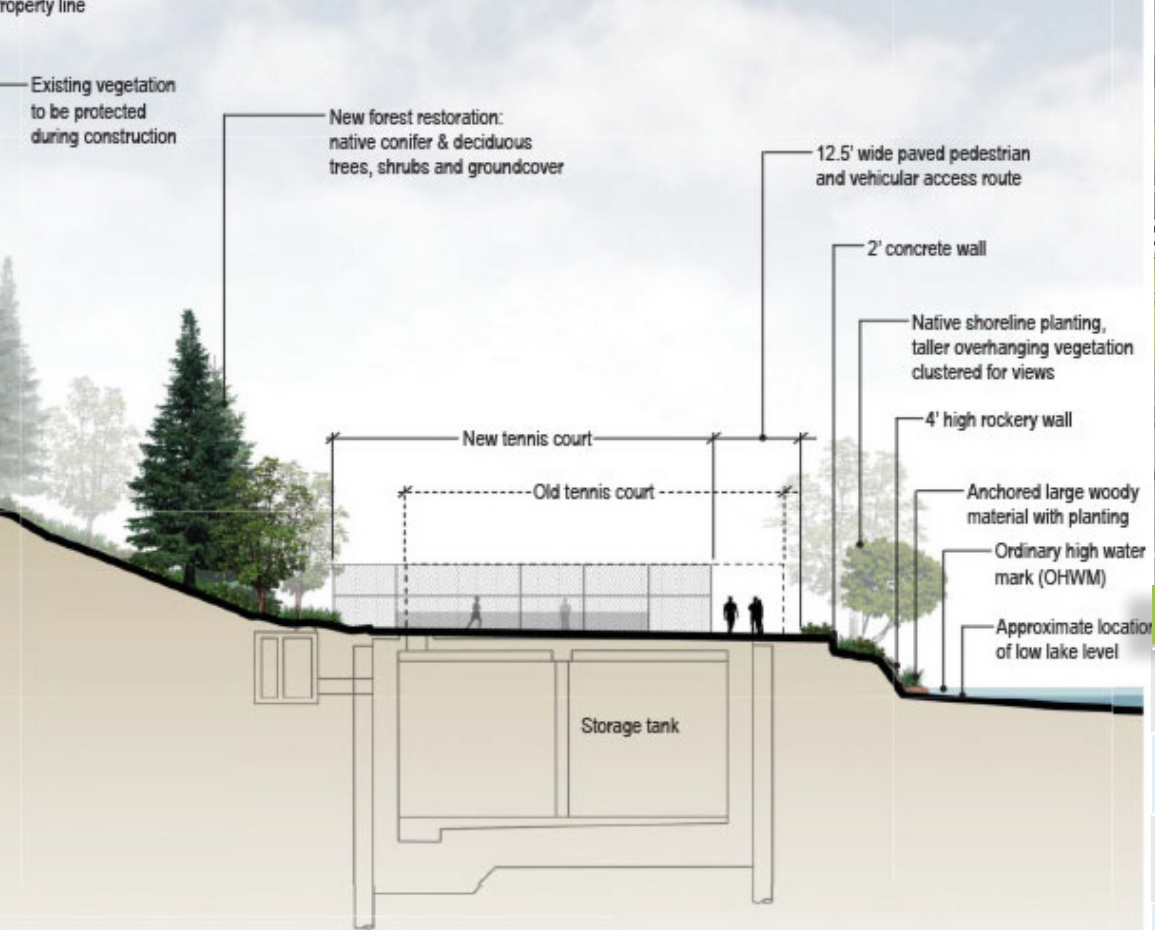
Public Space

This project incorporated several creative design elements and public amenities aboveground, such as improved natural aquatic habitat along the shoreline, an ADA-compliant pedestrian path and parking lot, and new and improved tennis courts. Polluted runoff from the new parking lot is managed via two bioretention planters along the shoreline.



Public Art

A painted blue line between the tennis courts approximates the original lake-line location before the Ballard locks were constructed, which dropped the level of Lake Washington to the same level as Lake Union (about 9 feet on average).



Section view of site showing below-ground storage tank

Image: HBB Landscape Architects



Storage tank during and after construction



Image: HBB Landscape Architecture

PROJECT DETAILS

IMPERVIOUS SURFACE MANAGED:	
DRIVER	CSO Regulatory Requirements
OWNER	Seattle Public Utilities
FUNDER	Seattle Public Utilities
INFRASTRUCTURE COST	\$46 million
PROJECT TEAM	HDR, Jacobs, Shannon & Wilson, HBB Landscape Architecture, Hoffman Construction
MAINTAINED BY	Owner

MORE INFORMATION

<http://www.seattle.gov/utilities/environment-and-conservation/projects/>