King County Department of Natural Resources and Parks, Wastewater Treatment Division

Barton Pump Station Upgrade Project
8953 Fauntleroy Way SW
BACKGROUND & PURPOSE
Barton Pump Station Upgrade Project

- The station is more than 50 years old, replacement parts are difficult to locate, it is difficult to maintain and there is a major risk of equipment failure.

- Washington State Dept. of Ecology requires no more than one discharge of untreated sewage per CSO outfall per year on average to comply with Clean Water Act mandates.

- Barton Pump Station experienced four overflow events in 2010.
Improvements will include:

- Back-up generator in the event of a power failure (required by Department of Ecology)

- Greater pumping capacity (from 26 mgd to 33 mgd) will reduce overflows;

- New odor control system to reduce wastewater-related odor;

- A complete upgrade of mechanical, electrical and HVAC systems, plus safety improvements to the station
Barton Pump Station: Existing & Proposed Footprint
Integrate artwork and tie together elements of the design

Examples:

- Extend stream echo artwork to full width and length of driveway;
- Fluid transition of stream echo into beach;
- If possible, narrow driveway visually and use plantings to creep over edges;
- Re-examine fencing/railings to make them light, transparent, and simple;
SDC recommendations, cont.

- Move salmon home run from north fence to landscaped areas in front of the retaining wall
- Address the transition from the stream echo trail to the turn around/station roof
- Install bollards on roof of station to prevent vehicle access
- Improve integration of artwork within the site
Design for Barton Pump Station/Cove Park Boat Ramp Tie-up
Artist: Tom Jay June 2011

Projected Overall Length: 13-feet
Material: 1/4" Corten Steel
Male Chinook (King)

Tom Jay
“Salmon Home Run”
Colors for Cove Park
July 2011
Tom Jay
“Salmon Home Run”
Colors for Cove Park
July 2011

Male Chum
Tom Jay
“Salmon Home Run”
Colors for Cove Park
July 2011
Tom Jay
“Salmon Home Run”
Colors for Cove Park
July 2011

Male Steelhead
Salmon Bench Cove Park / Barton Pump Station

© Tom Jay 2011
Sitting height of bench = 18"
Bulkhead to salmon internal welds are 3" welds every 6"
All bulkhead to shaft welds are full welds
Shaft to salmon entry weld full
Concrete foundation 12" diameter
Vertical rebar ¾"
Horizontal rebar ½"
2 ½" hole in center of foundation accommodates 2" stainless shaft
*Mounting rock is concrete with salmon petroglyphs in low relief
GENERAL NOTES:
1. SEE SHEET 103 FOR LANDSCAPE SITE
   FURNISHINGS & DETAILS
2. SEE SHEET 1101 FOR LANDSCAPE DEMOLITION
   AND ANTIQUES SALVAGE PLAN
3. SEE SHEET 1102 FOR LANDSCAPE PLANTING
   PLAN
4. REFER TO STRUCTURAL DRAWINGS FOR
   FURTHER NOTES REGARDING TRANSFORMER
   LOCATION, RÉSOULUTION, AND WELDING. BANCH
   AND FLOOR TO BE UPON SCAFFOLD AND
   INSTALLATION.
5. CONTRACTOR WILL NOTIFY PROJECT
   REPRESENTATIVE WHEN READY TO INSTALL
   STREAM ARTIFACTS NO LESS THAN 48 HOURS
   IN ADVANCE. PROJECT REPRESENTATIVE WILL
   SUPERVISE INSTALLATION OF STREAM
   ARTIFACTS IN STREAM ECHO.
6. PAVE STREAM ECHO IN EMPLOYED ART
   STORAGE AREA. REPLACE LOGS AFTER ALL
   EARTHWORK AND MACHINE ACCESS IS COMPLETED AND
   PRIOR TO BEACH GRADE INSTALLATION. LOGS
   LOCATION TO BE DETERMINED BY LANDSCAPE
   ARCHITECT.

ROCK ART ITEMS TO BE
REINSTALLED:
- COVE PARK ROCK SIGN
- ROCK WITH WOODS
- ROCK WITH ENGRAVED SHIP (FAUNIT) 1957
- ART ROCK
- ROCK WITH CRAB ART

ART ITEMS TO BE
REINSTALLED:
- CONCRETE CANOE
- CONCRETE RAVEN TREE
- DRIFTWOOD LOG

NEW ART ITEMS TO BE
INSTALLED:
- TRANSFORMER GATE
- SALMON BENCH
- SALMON HOME RUN ART
- BOAT TIE UP SCULPTURE
- STREAM ECHO WITH STREAM ARTIFACTS

SITE FURNISHINGS, ART
RESTORATION & INSTALLATION PLAN
BARTON PUMP STATION
UPGRADE

1-800-424-5555
Dial 2 Working Days
Before You DIG!
Access to Park Looking West
Car Entering Pump Station Driveway (Street-End Park Entrance on Right of Photo)
Westward Facing Wall of Underground Pump Station (Existing). Photo is Looking South Toward Ferry Terminal.
King County-owned Residential Property (any disturbed areas containing beach grass will be revegetated)
Street-End Park Public Access (pavement) & Adjacent King County Property
Beach Area Fronting Pump Station (looking south toward ferry terminal)