



US Army Corps  
of Engineers  
Seattle District



# Joint Public Notice

## Application for a Department of the Army Permit and a Washington Department of Ecology Water Quality Certification and/or Coastal Zone Management Consistency Concurrence

### US Army Corps of Engineers

Regulatory Branch  
Post Office Box 3755  
Seattle, WA 98124-3755  
Telephone: (206) 316-3166  
ATTN: Mr. Tim Erkel,  
Project Manager

### WA Department of Ecology

SEA Program  
Post Office Box 47600  
Olympia, WA 98504-7600  
Telephone: (360) 407-6068  
ATTN: SEA Program,  
Federal Permit Coordinator

**Public Notice Date:** June 4, 2014

**Expiration Date:** June 19, 2014

**Reference No.:** NWS-2014-522

**Name:** Chelan County PUD No. 1

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Interested parties are hereby notified that the U.S. Army Corps of Engineers (Corps) and the Washington Department of Ecology (Ecology) have received an application to perform work in waters of the United States as described below and shown on the enclosed drawings dated May 2014.

The Corps will review the work in accordance with Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act. Ecology will review the work pursuant to Section 401 of the CWA, with applicable provisions of State water pollution control laws.

**APPLICANT:** Chelan County PUD No. 1  
P.O. Box 1231  
Wenatchee, Washington 98807  
Attention: Waikele Frantz  
Telephone: (509) 661-4627

**LOCATION:** In the Columbia River near East Wenatchee, Douglas County, Washington.

**WORK:** In order to extend the public boat launch at the Kirby Billingsley Hydro Park, the Chelan County PUD proposes to excavate 530 cubic yards of river bed material, remove four existing ecology blocks, place 31.5 cubic yards of bedding rock, install a steel rail assembly, install nine 4 foot by 12 foot precast concrete planks, place 17.6 cubic yards of bedding rock around the concrete planks, place 22 ecology blocks around the perimeter of the ramp extension, and place 175 cubic yards of rock for stabilization of the excavated bank. All work will occur waterward of the ordinary high watermark.

**PURPOSE:** To provide public boat launching during anticipated low water in the Rock Island Reservoir.

**Dredged Material Testing:** The applicant has chosen not to complete the testing before this Public Notice was published. Prior to completing our review, the proposed dredged material must be tested according to the procedures specified by the Dredged Material Management Program (DMMP). The DMMP evaluation may include both chemical and biological testing of sediments. For this project, the DMMP agencies will determine whether the dredged material is suitable for disposal at a DMMP open-water disposal site or must be disposed of at

## **NWS-2014-522, Chelan County PUD No. 1**

an upland location. The sediment testing data will be available at the Corps, Seattle District, Dredged Material Management Office.

**Disposal Site Use Conditions:** The following standard site-use conditions will be specified by the Corps and the Washington Department of Natural Resources as part of the Federal/State permitting processes: (1) disposal operations must not interfere with Indian treaty fishing at the disposal site, including gill nets and other fishing gear; (2) the permittee must coordinate any nighttime disposal with the Corps, Seattle District, Regulatory Branch Project Manager; and (3) approval must be received from the District Engineer prior to conducting nighttime disposal. Other appropriate special conditions may be added as a result of comments received during the public review period for this public notice.

**MITIGATION:** The applicant proposes to plant native riparian vegetation covering an area of 1,986 square feet. The mitigation plan is in development.

**ENDANGERED SPECIES:** The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service pursuant to Section 7 of the ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat. ESA consultation has been initiated.

**ESSENTIAL FISH HABITAT:** The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed action would impact EFH in the project area. EFH consultation has been initiated.

**CULTURAL RESOURCES:** The Federal Energy Regulatory Commission through the Chelan County PUD as their agent, as the lead agency for determining compliance with Section 106 of the National Historic Preservation Act, will consult with the State Historic Preservation Officer and Native American Tribes as appropriate.

**PUBLIC HEARING:** Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

**EVALUATION – CORPS:** The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

## **NWS-2014-522, Chelan County PUD No. 1**

The described discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the CWA. These guidelines require an alternatives analysis for any proposed discharge of dredged or fill material into waters of the United States.

**SOURCE OF FILL MATERIAL:** The source of the fill material will be local quarries or reuse of excavated material if appropriate.

**EVALUATION – ECOLOGY:** Ecology is soliciting comments from the public; Federal, Native American Nations or tribal governments, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Ecology will be considering all comments to determine whether to certify or deny certification for the proposed project.

**COMMENT AND REVIEW PERIOD:** Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether it would be in the public interest to authorize this proposal. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. Either conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commentator's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration.

**CORPS COMMENTS:** All e-mail comments should be sent to [tim.r.erkel@usace.army.mil](mailto:tim.r.erkel@usace.army.mil). Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Mr. Tim Erkel, P.O. Box 3755, Seattle, Washington 98124-3755. All comments received will become part of the administrative record and are subject to public release under the Freedom of Information Act including any personally identifiable information such as names, phone numbers, and addresses.

**ECOLOGY COMMENTS:** Any person desiring to present views on the project pertaining to a request for water quality certification under Section 401 of the CWA and/or Coastal Zone Management consistency concurrence, may do so by submitting written comments to the following address: Washington State Department of Ecology, Attention: Federal Permit Coordinator, P.O. Box 47600, Olympia, Washington 98504-7600, or e-mail to [ecyrefedpermits@ecy.wa.gov](mailto:ecyrefedpermits@ecy.wa.gov).

To ensure proper consideration of all comments, responders must include the following name and reference number in the text of their comments: Chelan County PUD No. 1, NWS-2014-522

Encl: Figures (11)

# KIRBY BILLINGSLEY HYDRO PARK BOAT LAUNCH EXTENSION - OPTION C, SLIDE-IN

## LIST OF SHEETS

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4. EXISTING BOAT LAUNCH PLAN
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6. EXISTING BOAT LAUNCH SECTION
7. PROPOSED BOAT LAUNCH SECTION
8. PROPOSED BOAT LAUNCH CROSS SECTION
9. SITE DISTURBANCE EXTENTS
10. PROPOSED AREA OF MITIGATION
11. PROPOSED TEMPORARY WORK PLATFORM

**PURPOSE:** APPLICATION IS FOR PROPOSED WORK TO EXTEND BOAT LAUNCH AND PROVIDE LAUNCH CAPABILITY AT POOL ELEVATION 608

**DATUM:** NGVD 29

**ADJACENT PROPERTY OWNERS:** WHITE ORCHARD INC, WASHINGTON STATE DOT

**LATITUDE:** 47° 23' 15.57" N

**LONGITUDE:** 120° 15' 58.30" W

**REF. # NWS-2014-522**

## KIRBY BILLINGSLEY HYDRO PARK

### BOAT LAUNCH EXTENSION

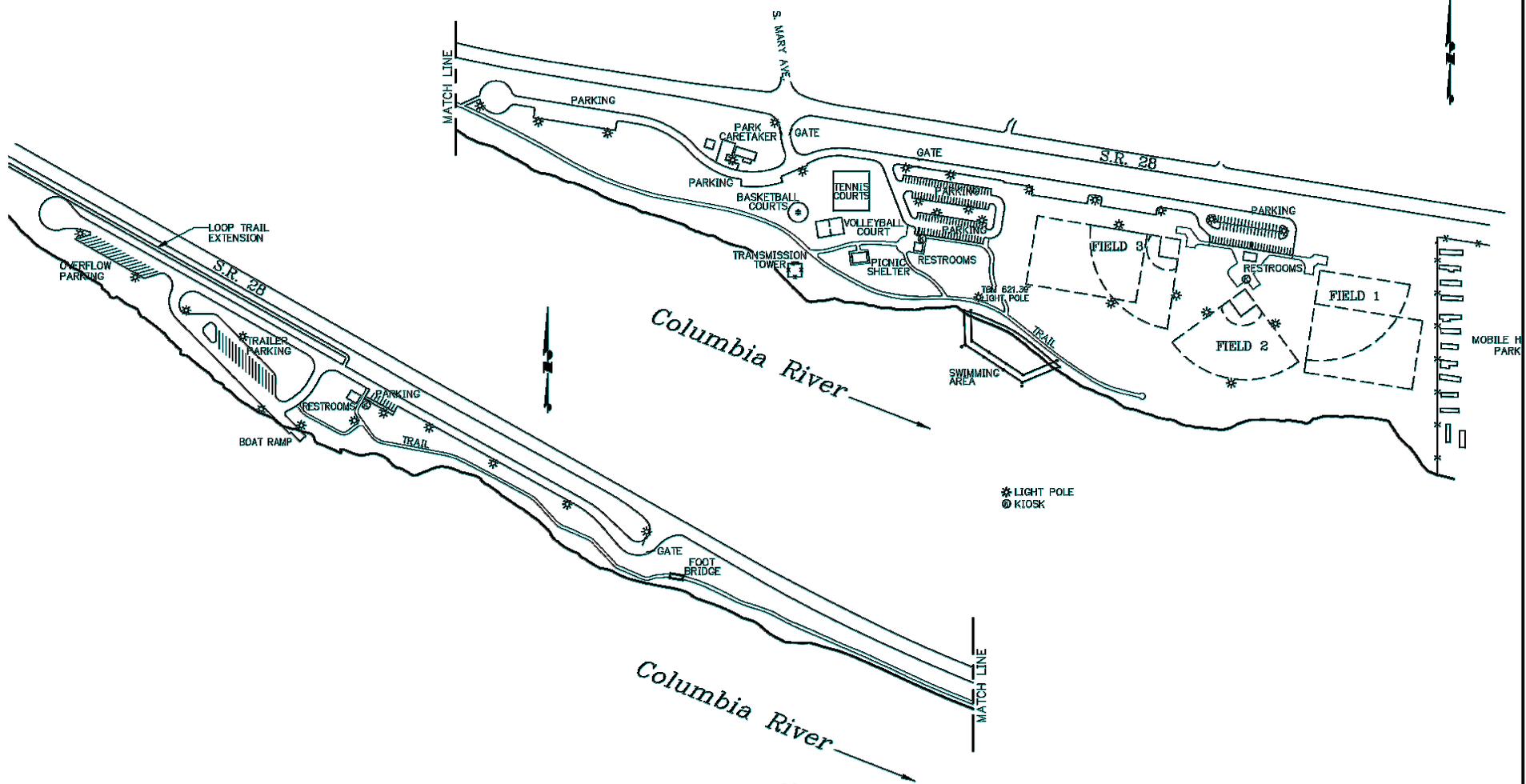
REFERENCE #:

ADDRESS: 1682 SR28  
EAST WENATCHEE, WA 98802

**SHEET 1 OF 11: SHEET INDEX**

**PROPOSED:** KIRBY BILLINGSLEY HYDRO BOAT LAUNCH EXTENSION  
**IN:** DOUGLAS COUNTY  
**AT:** COLUMBIA RIVER / EAST WENATCHEE  
**COUNTY OF:** DOUGLAS **STATE:** WA  
**APPL. BY:** PUD NO.1 OF CHELAN COUNTY  
**DATE:** MAY 2014  
**REVISED:**

PREPARED BY:  
**PACIFIC ENGINEERING & DESIGN, PLLC**



### VICINITY MAP

Scale: NO SCALE



**PURPOSE:** APPLICATION IS FOR PROPOSED WORK TO EXTEND BOAT LAUNCH AND PROVIDE LAUNCH CAPABILITY AT POOL ELEVATION 608

**DATUM:** NGVD 29

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## KIRBY BILLINGSLEY HYDRO PARK

### BOAT LAUNCH EXTENSION

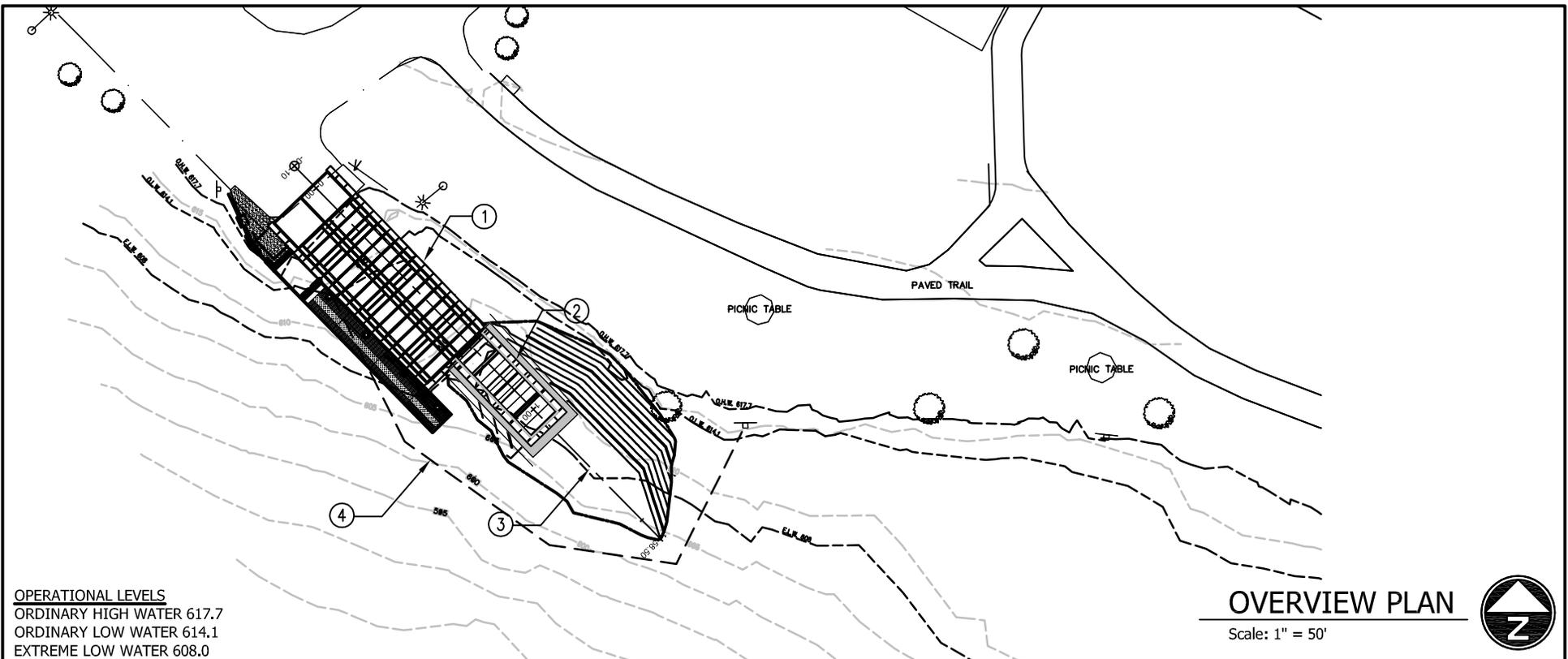
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EAST WENATCHEE, WA 98802

**SHEET 2 OF 11: VICINITY MAP**

**PROPOSED:** KIRBY BILLINGSLEY HYDRO BOAT LAUNCH EXTENSION  
**IN:** DOUGLAS COUNTY  
**AT:** COLUMBIA RIVER / EAST WENATCHEE  
**COUNTY OF:** DOUGLAS **STATE:** WA  
**APPL. BY:** PUD NO.1 OF CHELAN COUNTY  
**DATE:** MAY 2014  
**REVISED:**

**PREPARED BY:**  
**PACIFIC ENGINEERING & DESIGN, PLLC**



**OPERATIONAL LEVELS**  
 ORDINARY HIGH WATER 617.7  
 ORDINARY LOW WATER 614.1  
 EXTREME LOW WATER 608.0

**OVERVIEW PLAN**  
 Scale: 1" = 50'

**KEYED NOTES**

- ① EXISTING CONCRETE RAMP
- ② NEW CONCRETE RAMP
- ③ DREDGE TO ALLOW LAUNCH AT WATER LEVEL ELEVATION 608
- ④ APPROXIMATE LOCATION OF TURBIDITY CURTAIN & SEINE NET

**PURPOSE:** APPLICATION IS FOR PROPOSED WORK TO EXTEND BOAT LAUNCH AND PROVIDE LAUNCH CAPABILITY AT POOL ELEVATION 608  
**DATUM:** NGVD 29  
**ADJACENT PROPERTY OWNERS:** WHITE ORCHARD INC, WASHINGTON STATE DOT  
**LATITUDE:** 47° 23' 15.57" N  
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**REF. # NWS-2014-522**

**KIRBY BILLINGSLEY HYDRO PARK**

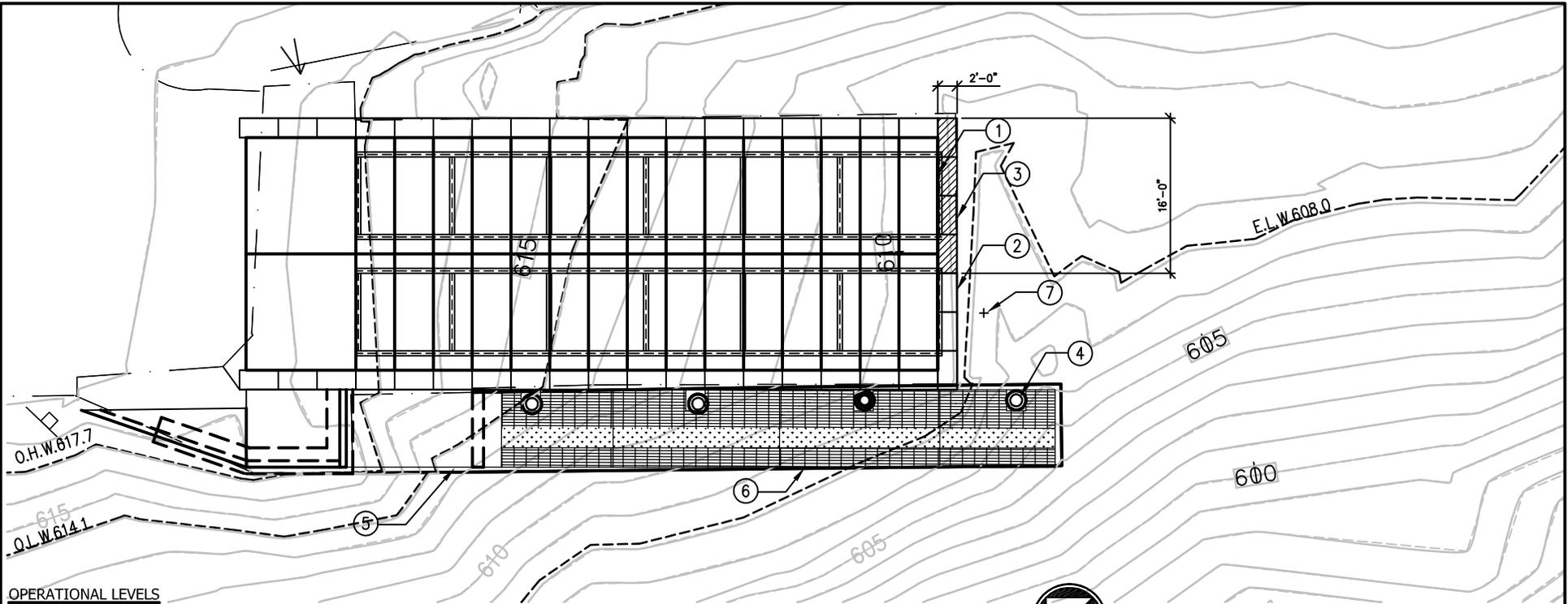
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**BOAT LAUNCH EXTENSION**

REFERENCE #: ADDRESS: 1682 SR28  
 EAST WENATCHEE, WA 98802

**SHEET 3 OF 11: OVERVIEW PLAN**

**PROPOSED:** KIRBY BILLINGSLEY HYDRO BOAT LAUNCH EXTENSION  
**IN:** DOUGLAS COUNTY  
**AT:** COLUMBIA RIVER / EAST WENATCHEE  
**COUNTY OF:** DOUGLAS **STATE:** WA  
**APPL. BY:** PUD NO.1 OF CHELAN COUNTY  
**DATE:** MAY 2014  
**REVISED:**  
 PREPARED BY:  
**PACIFIC ENGINEERING & DESIGN, PLLC**



**OPERATIONAL LEVELS**  
 ORDINARY HIGH WATER 617.7  
 ORDINARY LOW WATER 614.1  
 EXTREME LOW WATER 608.0

### EXISTING BOAT LAUNCH PLAN

Scale: 1/16" = 1'-0"



### KEYED NOTES

- ① EXISTING PUSH-IN-PLACE CONCRETE PANEL TO REMAIN
- ② EXISTING ECOLOGY BLOCKS TO REMAIN
- ③ EXISTING ECOLOGY BLOCKS TO BE REMOVED (4)TOTAL, 2.4 CUBIC YARDS
- ④ EXISTING PILES TO REMAIN
- ⑤ EXISTING GANGWAY TO REMAIN
- ⑥ EXISTING FLOATS TO REMAIN
- ⑦ WATER LEVEL AT 3:00pm ON 3/22/2014

**PURPOSE:** APPLICATION IS FOR PROPOSED WORK TO EXTEND BOAT LAUNCH AND PROVIDE LAUNCH CAPABILITY AT POOL ELEVATION 608

**DATUM:** NGVD 29

**ADJACENT PROPERTY OWNERS:** WHITE ORCHARD INC, WASHINGTON STATE DOT

**LATITUDE:** 47° 23' 15.57" N

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## KIRBY BILLINGSLEY HYDRO PARK

### BOAT LAUNCH EXTENSION

REFERENCE #:

ADDRESS: 1682 SR28  
 EAST WENATCHEE, WA 98802

**SHEET 4 OF 11: EXISTING BOAT LAUNCH PLAN**

**PROPOSED:** KIRBY BILLINGSLEY HYDRO BOAT LAUNCH EXTENSION

**IN:** DOUGLAS COUNTY  
**AT:** COLUMBIA RIVER / EAST WENATCHEE

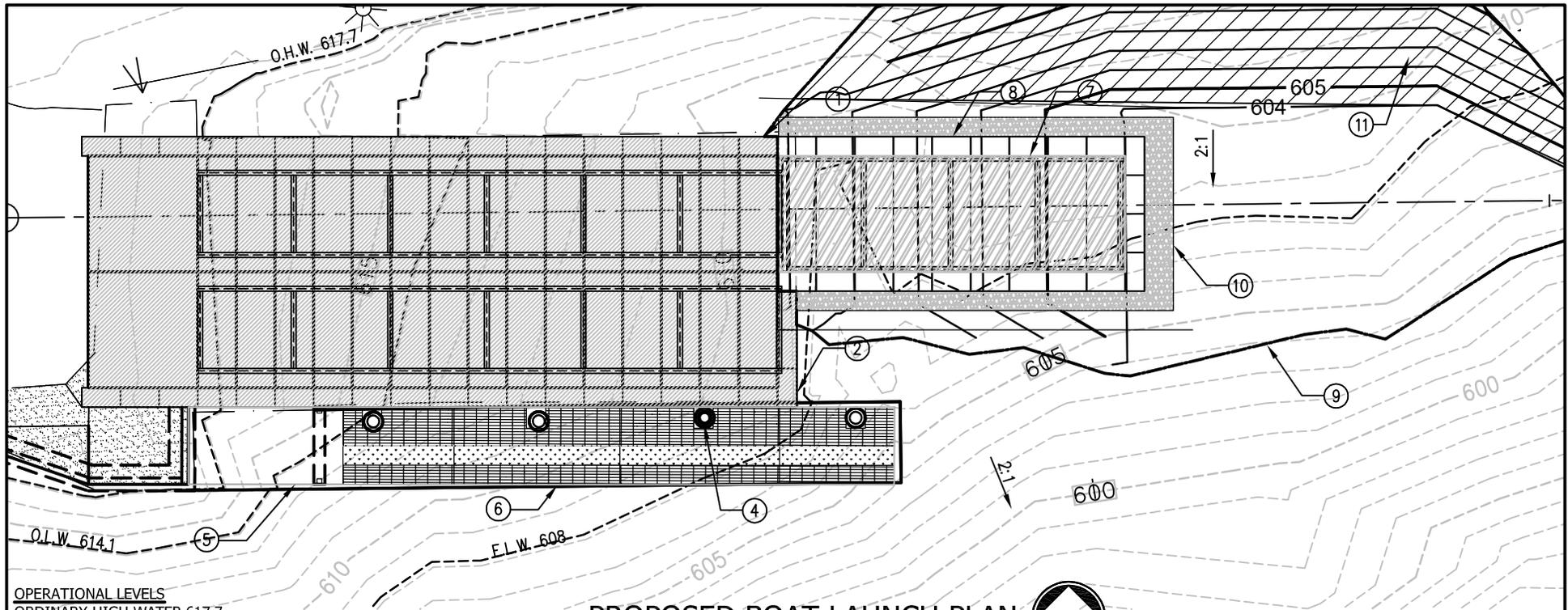
**COUNTY OF:** DOUGLAS **STATE:** WA

**APPL. BY:** PUD NO.1 OF CHELAN COUNTY

**DATE:** MAY 2014

**REVISED:**

**PREPARED BY:**  
 PACIFIC ENGINEERING & DESIGN, PLLC



**OPERATIONAL LEVELS**  
 ORDINARY HIGH WATER 617.7  
 ORDINARY LOW WATER 614.1  
 EXTREME LOW WATER 608.0

## PROPOSED BOAT LAUNCH PLAN

Scale: 1/16" = 1'-0"



### KEYED NOTES

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>① EXISTING PUSH-IN-PLACE CONCRETE PANEL TO REMAIN</li> <li>② EXISTING ECOLOGY BLOCKS TO REMAIN</li> <li>④ EXISTING PILES TO REMAIN</li> <li>⑤ EXISTING GANGWAY TO REMAIN</li> <li>⑥ EXISTING FLOATS TO REMAIN</li> <li>⑦ NEW STRUCTURAL STEEL RAIL SYSTEM &amp; (9) 4'x12' x 0'-10" PRECAST CONCRETE PUSH-IN -PLACE RAMP PANELS</li> </ul> | <ul style="list-style-type: none"> <li>⑧ NEW PERCAST CONCRETE 2'x2'x4' "ECOLOGY BLOCKS (22 TOTAL)</li> <li>⑨ EXTENTS OF CUT, TOTAL SURFACE AREA = 3135 S.F.</li> <li>⑩ TRANSITION PROTECTION ROCK (18 C.Y. FILL)</li> <li>⑪ BANK STABILIZATION AREA: (1568 S.F. 175 C.Y.)</li> </ul> |
|---|--|

**TOTAL CUT: 527 C.Y.**  
**TOTAL FILL AT RAMP: 49.1 C.Y.**  
**TOTAL FILL AT BANK STABILIZATION = 175 C.Y.**  
**PUSH-IN PLACE PLANKS:**  
 (9) @ 1.48 C.Y. EA. EQUALS 13.33 C.Y. TOTAL  
**ECOLOGY BLOCKS: (22) @ 0.59 C.Y. EA. EQUALS 13 C.Y. TOTAL**

**PURPOSE:** APPLICATION IS FOR PROPOSED WORK TO EXTEND BOAT LAUNCH AND PROVIDE LAUNCH CAPABILITY AT POOL ELEVATION 608  
**DATUM:** NGVD 29

**ADJACENT PROPERTY OWNERS:** WHITE ORCHARD INC, WASHINGTON STATE DOT  
**LATITUDE:** 47° 23' 15.57" N  
**LONGITUDE:** 120° 15' 58.30" W

**REF. # NWS-2014-522**

## KIRBY BILLINGSLEY HYDRO PARK

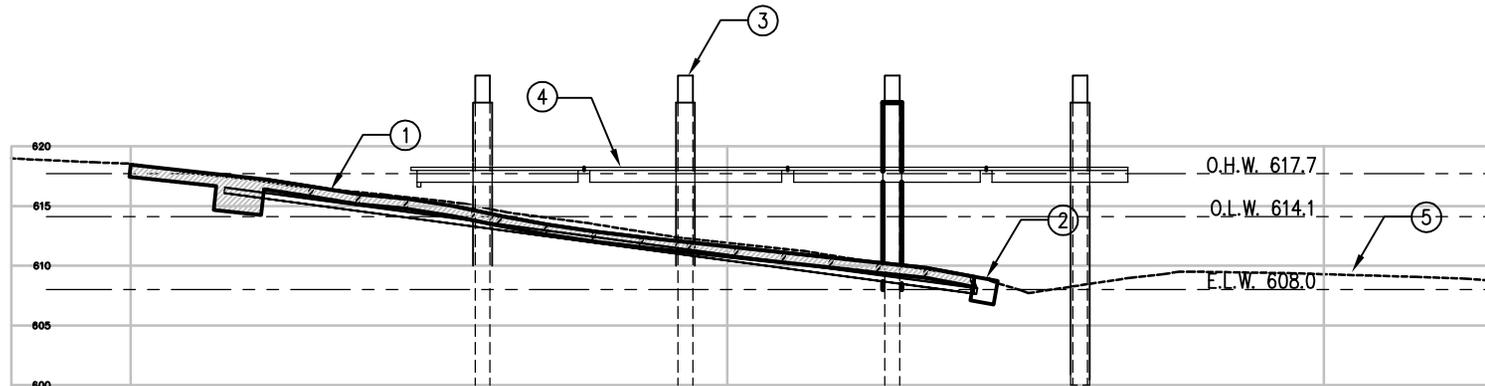
### BOAT LAUNCH EXTENSION

REFERENCE #: ADDRESS: 1682 SR28  
 EAST WENATCHEE, WA 98802

**SHEET 5 OF 11: PROPOSED BOAT LAUNCH PLAN**

**PROPOSED:** KIRBY BILLINGSLEY HYDRO BOAT LAUNCH EXTENSION  
**IN:** DOUGLAS COUNTY  
**AT:** COLUMBIA RIVER / EAST WENATCHEE  
**COUNTY OF:** DOUGLAS **STATE:** WA  
**APPL. BY:** PUD NO.1 OF CHELAN COUNTY  
**DATE:** MAY 2014  
**REVISED:**

PREPARED BY:  
**PACIFIC ENGINEERING & DESIGN, PLLC**



**OPERATIONAL LEVELS**

ORDINARY HIGH WATER 617.7  
 ORDINARY LOW WATER 614.1  
 EXTREME LOW WATER 608.0

**EXISTING BOAT LAUNCH SECTION**

Scale: 1/16" = 1'-0"

**KEYED NOTES**

- ① EXISTING PUSH-IN-PLACE CONCRETE PANEL TO REMAIN
- ② EXISTING ECOLOGY BLOCKS TO BE REMOVED (4) TOTAL
- ③ EXISTING PILES TO REMAIN
- ④ EXISTING FLOATS TO REMAIN
- ⑤ EXISTING GROUND SURFACE

**PURPOSE:** APPLICATION IS FOR PROPOSED WORK TO EXTEND BOAT LAUNCH AND PROVIDE LAUNCH CAPABILITY AT POOL ELEVATION 608

**DATUM:** NGVD 29

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**LATITUDE:** 47° 23' 15.57" N

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**REF. # NWS-2014-522**

**KIRBY BILLINGSLEY HYDRO PARK**

**BOAT LAUNCH EXTENSION**

REFERENCE #:

ADDRESS: 1682 SR28  
 EAST WENATCHEE, WA 98802

**SHEET 6 OF 11: EXISTING BOAT LAUNCH SECTION**

**PROPOSED:** KIRBY BILLINGSLEY HYDRO BOAT LAUNCH EXTENSION

**IN:** DOUGLAS COUNTY  
**AT:** COLUMBIA RIVER / EAST WENATCHEE

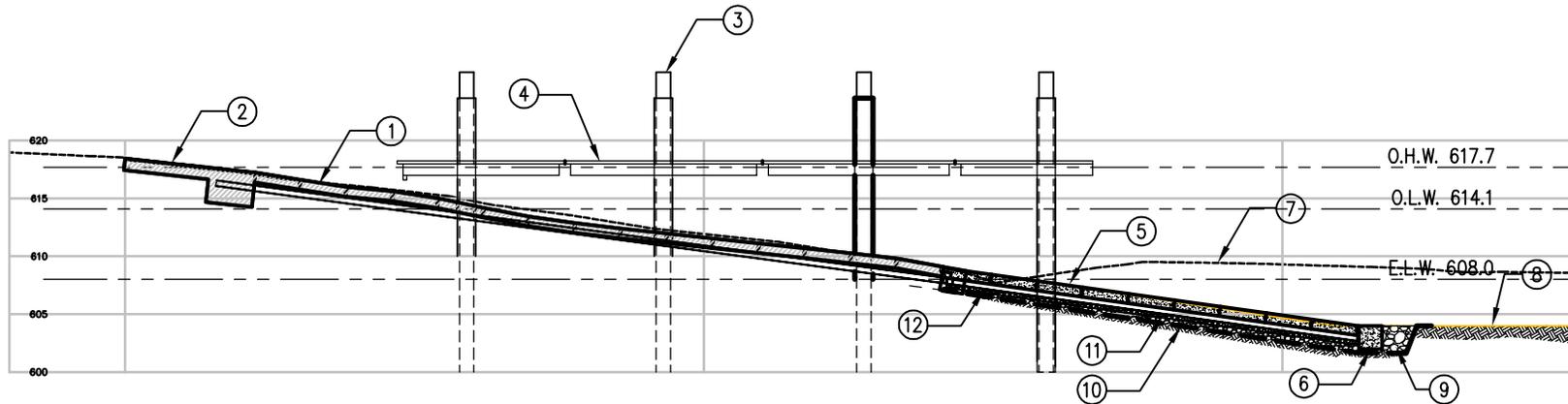
**COUNTY OF:** DOUGLAS **STATE:** WA

**APPL. BY:** PUD NO.1 OF CHELAN COUNTY

**DATE:** MAY 2014

**REVISED:**

PREPARED BY:  
**PACIFIC ENGINEERING & DESIGN, PLLC**



**OPERATIONAL LEVELS**

ORDINARY HIGH WATER 617.7  
 ORDINARY LOW WATER 614.1  
 EXTREME LOW WATER 608.0

**PROPOSED BOAT LAUNCH SECTION**

Scale: 1/16" = 1'-0"

**KEYED NOTES**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>① EXISTING PUSH-IN-PLACE CONCRETE PANEL</li> <li>② EXISTING CAST-IN-PLACE CONCRETE ANCHOR</li> <li>③ EXISTING PILES</li> <li>④ EXISTING FLOATS</li> <li>⑤ NEW STRUCTURAL STEEL RAIL SYSTEM &amp; (9)4'x12' x 0'-10" PRECAST CONCRETE PUSH-IN PLACE RAMP PANELS</li> <li>⑥ NEW PRECAST CONCRETE 2'x2'x4' "ECOLOGY BLOCK" (22 TOTAL)</li> <li>⑦ EXISTING GROUND SURFACE</li> </ul> | <ul style="list-style-type: none"> <li>⑧ PROPOSED GROUND SURFACE</li> <li>⑨ TRANSITION PROTECTION ROCK (LIGHT LOOSE RIPRAP)</li> <li>⑩ 8" IMPORTED PERMEABLE BALLAST</li> <li>⑪ 4" CRUSHED SURFACING</li> <li>⑫ STRUCTURAL STEEL GUIDE RAIL SYSTEM</li> </ul> |
|---|---|

**PURPOSE:** APPLICATION IS FOR PROPOSED WORK TO EXTEND BOAT LAUNCH AND PROVIDE LAUNCH CAPABILITY AT POOL ELEVATION 608

**DATUM:** NGVD 29

**ADJACENT PROPERTY OWNERS:** WHITE ORCHARD INC, WASHINGTON STATE DOT

**LATITUDE:** 47° 23' 15.57" N

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**KIRBY BILLINGSLEY HYDRO PARK**

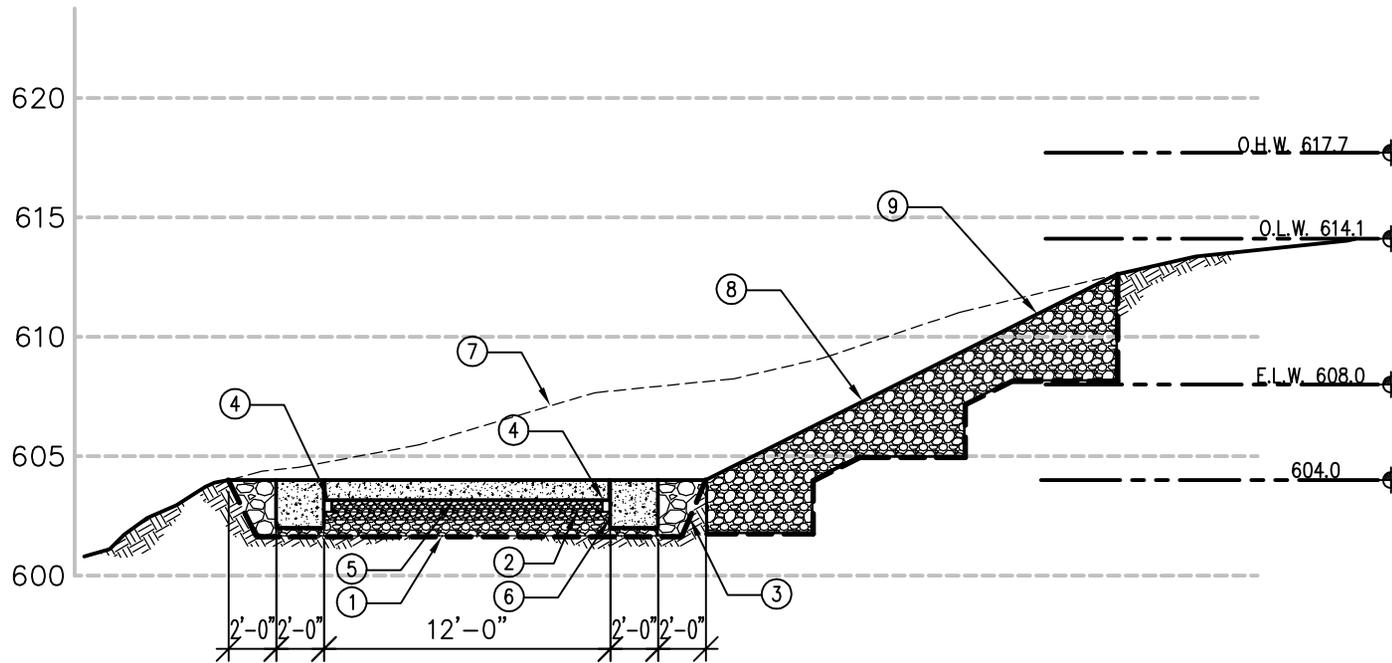
**BOAT LAUNCH EXTENSION**

REFERENCE #: ADDRESS: 1682 SR28  
 EAST WENATCHEE, WA 98802

**SHEET 7 OF 11: PROPOSED BOAT LAUNCH SECTION**

**PROPOSED:** KIRBY BILLINGSLEY HYDRO BOAT LAUNCH EXTENSION  
**IN:** DOUGLAS COUNTY  
**AT:** COLUMBIA RIVER / EAST WENATCHEE  
**COUNTY OF:** DOUGLAS **STATE:** WA  
**APPL. BY:** PUD NO.1 OF CHELAN COUNTY  
**DATE:** MAY 2014  
**REVISED:**

PREPARED BY:  
**PACIFIC ENGINEERING & DESIGN, PLLC**



**OPERATIONAL LEVELS**

ORDINARY HIGH WATER 617.7  
 ORDINARY LOW WATER 614.1  
 EXTREME LOW WATER 608.0

**PROPOSED BOAT LAUNCH SECTION**

Scale: 1/8" = 1'-0"

**KEYED NOTES**

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>① 8" IMPORTED PERMEABLE BALLAST</li> <li>② 4" CRUSHED SURFACING</li> <li>③ TRANSITION PROTECTION – LIGHT LOOSE RIPRAP</li> <li>④ STRUCTURAL STEEL GUIDE RAIL SYSTEM</li> <li>⑤ NEW STRUCTURAL STEEL RAIL SYSTEM &amp; (9)4'x12' x 0'-10" PRECAST CONCRETE PUSH-IN PLACE RAMP PANELS</li> <li>⑥ NEW PRECAST CONCRETE 2'x2'x4' "ECOLOGY BLOCK" (22 TOTAL)</li> <li>⑦ EXISTING GROUND SURFACE</li> </ul> | <ul style="list-style-type: none"> <li>⑧ PROPOSED GROUND SURFACE</li> <li>⑨ BANK STABILIZATION ARMOR 2'-0" THICK LAYER OF ¾" TO 8" SPALLS W/ 4'-0" WIDE BENCHES</li> </ul> |
|--|--|

**PURPOSE:** APPLICATION IS FOR PROPOSED WORK TO EXTEND BOAT LAUNCH AND PROVIDE LAUNCH CAPABILITY AT POOL ELEVATION 608

**DATUM:** NGVD 29

**ADJACENT PROPERTY OWNERS:** WHITE ORCHARD INC, WASHINGTON STATE DOT

**LATITUDE:** 47° 23' 15.57" N  
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**KIRBY BILLINGSLEY HYDRO PARK**

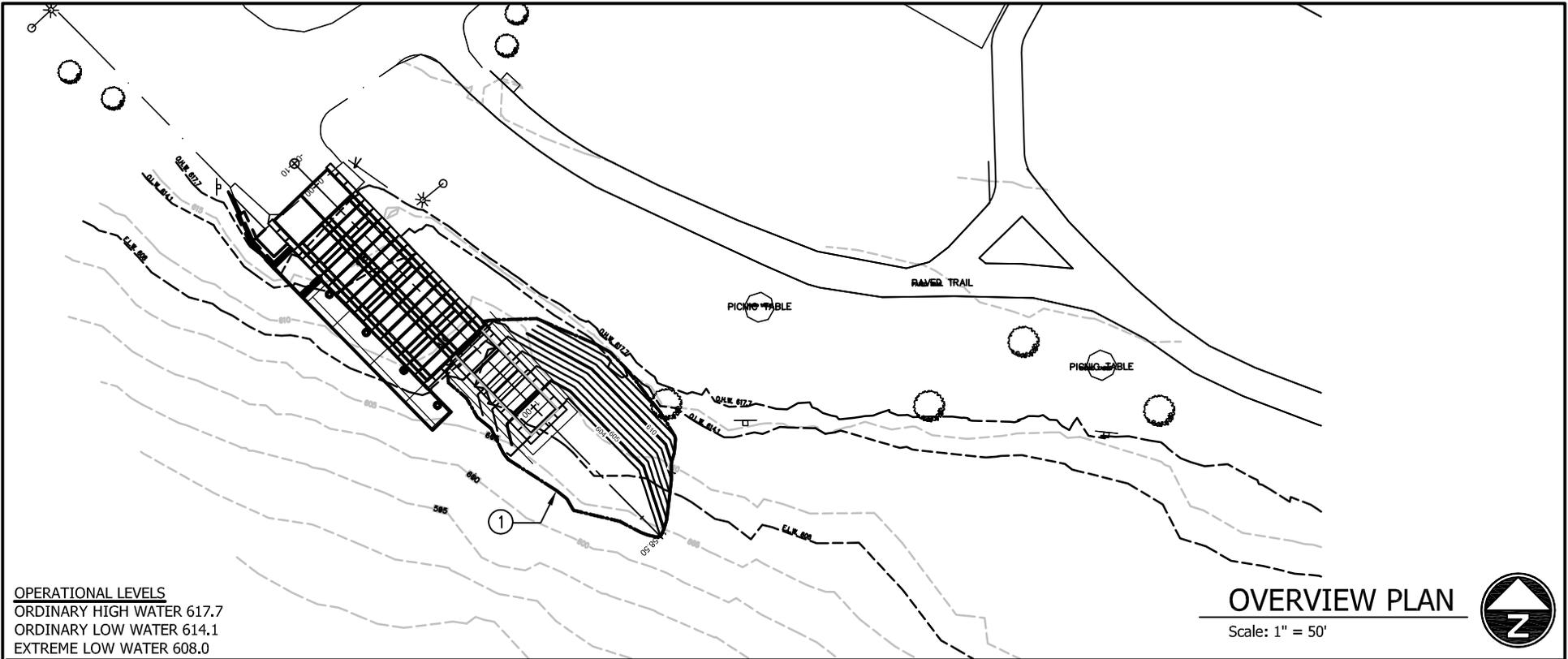
**BOAT LAUNCH EXTENSION**

REFERENCE #: ADDRESS: 1682 SR28  
 EAST WENATCHEE, WA 98802

**SHEET 8 OF 11: PROPOSED BOAT LAUNCH SECTION**

**PROPOSED:** KIRBY BILLINGSLEY HYDRO BOAT LAUNCH EXTENSION  
**IN:** DOUGLAS COUNTY  
**AT:** COLUMBIA RIVER / EAST WENATCHEE  
**COUNTY OF:** DOUGLAS **STATE:** WA  
**APPL. BY:** PUD NO.1 OF CHELAN COUNTY  
**DATE:** MAY 2014  
**REVISED:**

PREPARED BY:  
**PACIFIC ENGINEERING & DESIGN, PLLC**



**KEYED NOTES**

① DISTURBANCE EXTENTS; 3135 S.F.

**PURPOSE:** APPLICATION IS FOR PROPOSED WORK TO EXTEND BOAT LAUNCH AND PROVIDE LAUNCH CAPABILITY AT POOL ELEVATION 608

**DATUM:** NGVD 29

**ADJACENT PROPERTY OWNERS:** WHITE ORCHARD INC, WASHINGTON STATE DOT

**LATITUDE:** 47° 23' 15.57" N

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**KIRBY BILLINGSLEY HYDRO PARK**

**BOAT LAUNCH EXTENSION**

REFERENCE #:

ADDRESS: 1682 SR28  
 EAST WENATCHEE, WA 98802

**SHEET 9 OF 11: OVERVIEW PLAN**

**PROPOSED:** KIRBY BILLINGSLEY HYDRO BOAT LAUNCH EXTENSION

**IN:** DOUGLAS COUNTY  
**AT:** COLUMBIA RIVER / EAST WENATCHEE

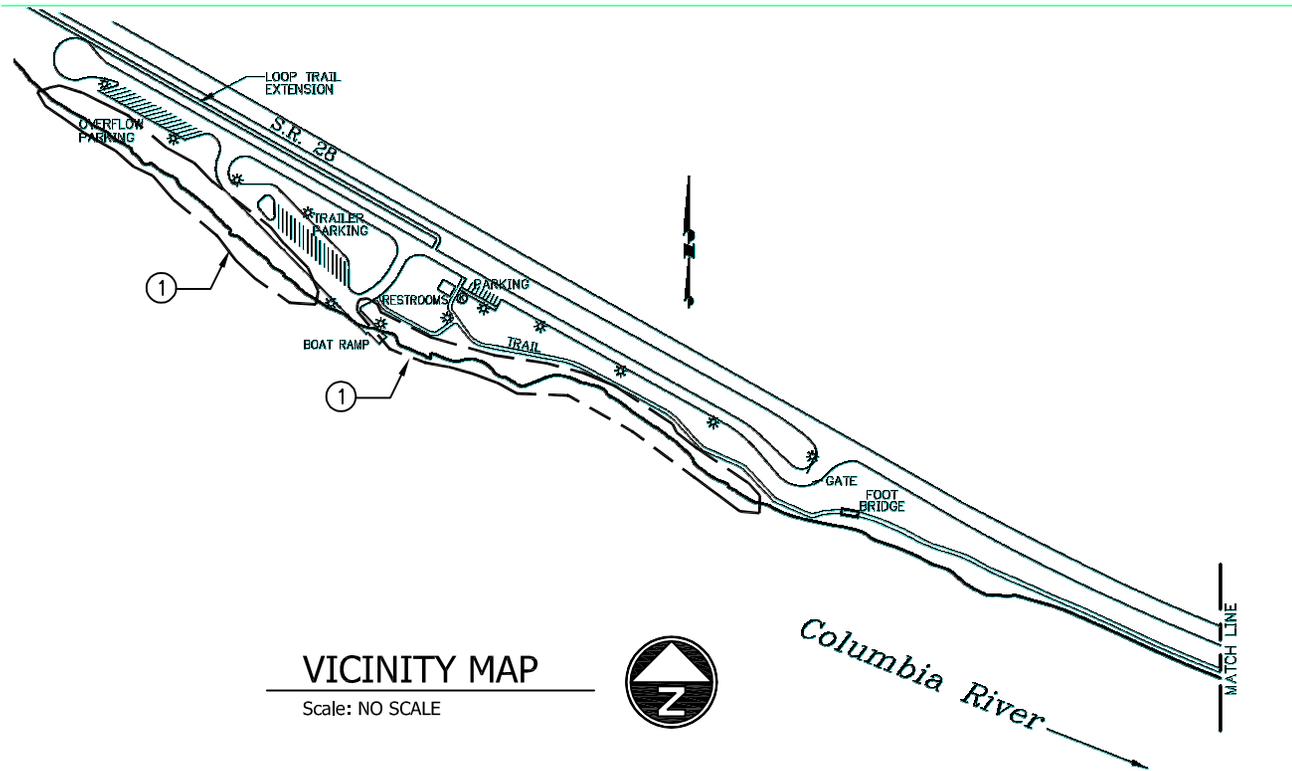
**COUNTY OF:** DOUGLAS **STATE:** WA

**APPL. BY:** PUD NO.1 OF CHELAN COUNTY

**DATE:** MAY 2014

**REVISED:**

PREPARED BY:  
**PACIFIC ENGINEERING & DESIGN, PLLC**



**KEYED NOTES**

① PROPOSED MITIGATION PLANTING AREA (1986 S.F.)

**PURPOSE:** APPLICATION IS FOR PROPOSED WORK TO EXTEND BOAT LAUNCH AND PROVIDE LAUNCH CAPABILITY AT POOL ELEVATION 608  
**DATUM:** NGVD 29  
**ADJACENT PROPERTY OWNERS:** WHITE ORCHARD INC, WASHINGTON STATE DOT  
**LATITUDE:** 47° 23' 15.57" N  
**LONGITUDE:** 120° 15' 58.30" W  
**REF. # NWS-2014-522**

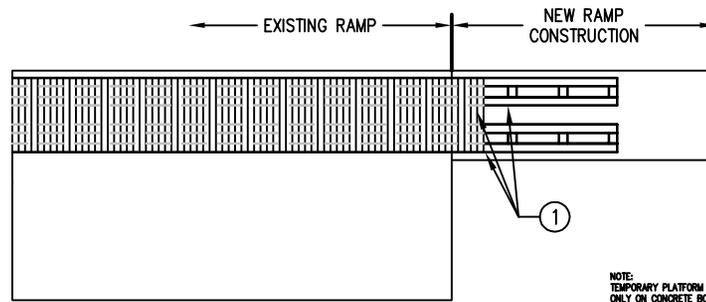
**KIRBY BILLINGSLEY HYDRO PARK**

**BOAT LAUNCH EXTENSION**

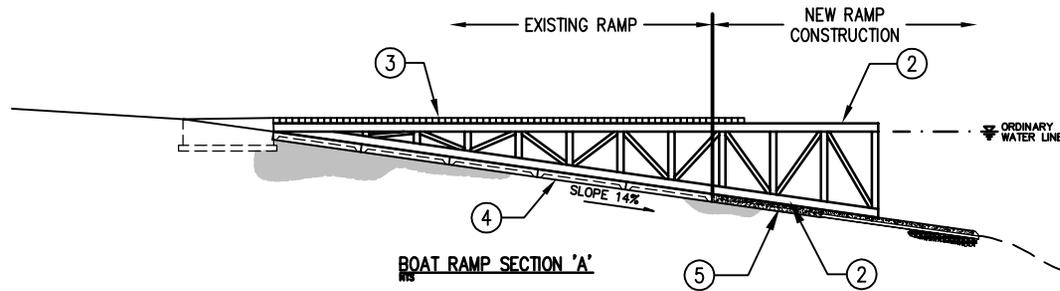
REFERENCE #: ADDRESS: 1682 SR28  
EAST WENATCHEE, WA 98802

**SHEET 10 OF 11: VICINITY MAP**

**PROPOSED:** KIRBY BILLINGSLEY HYDRO BOAT LAUNCH EXTENSION  
**IN:** DOUGLAS COUNTY  
**AT:** COLUMBIA RIVER / EAST WENATCHEE  
**COUNTY OF:** DOUGLAS **STATE:** WA  
**APPL. BY:** PUD NO.1 OF CHELAN COUNTY  
**DATE:** MAY 2014  
**REVISED:**  
**PREPARED BY:**  
**PACIFIC ENGINEERING & DESIGN, PLLC**



**BOAT RAMP PLAN VIEW**  
NWS



**BOAT RAMP SECTION 'A'**  
NWS

**KEYED NOTES**

- ① NEW TEMPORARY WORK PLATFORM STRUCTURE
- ② STEEL BEAM
- ③ WOOD PLANKING
- ④ EXISTING RAMP
- ⑤ NEW RAMP

**PURPOSE:** APPLICATION IS FOR PROPOSED WORK TO EXTEND BOAT LAUNCH AND PROVIDE LAUNCH CAPABILITY AT POOL ELEVATION 608

**DATUM:** NGVD 29

**ADJACENT PROPERTY OWNERS:** WHITE ORCHARD INC, WASHINGTON STATE DOT

**LATITUDE:** 47° 23' 15.57" N

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**KIRBY BILLINGSLEY HYDRO PARK**

**BOAT LAUNCH EXTENSION**

REFERENCE #:

ADDRESS: 1682 SR28  
EAST WENATCHEE, WA 98802

**SHEET 11 OF 11: VICINITY MAP**

**PROPOSED:** KIRBY BILLINGSLEY HYDRO BOAT LAUNCH EXTENSION

**IN:** DOUGLAS COUNTY  
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**COUNTY OF:** DOUGLAS **STATE:** WA

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