



WASHINGTON STATE

Joint Aquatic Resources Permit Application (JARPA) Form^{1,2} [\[help\]](#)

USE BLACK OR BLUE INK TO ENTER ANSWERS IN THE WHITE SPACES BELOW.



US Army Corps of Engineers
Seattle District

AGENCY USE ONLY

Date received:

Agency reference #:

Tax Parcel #(s):

Part 1–Project Identification

1. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [help]
Seattle Pacific University – Crew Float Replacement

Part 2–Applicant

The person and/or organization responsible for the project. [\[help\]](#)

2a. Name (Last, First, Middle)			
Church, Dave			
2b. Organization (If applicable)			
Seattle Pacific University- Facility Management			
2c. Mailing Address (Street or PO Box)			
2 W. Dravus			
2d. City, State, Zip			
Seattle, WA 98119			
2e. Phone (1)	2f. Phone (2)	2g. Fax	2h. E-mail
(206) 281-2602			dchurch@spu.edu

¹Additional forms may be required for the following permits:

- If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.
- If your project might affect species listed under the Endangered Species Act, you will need to fill out a Specific Project Information Form (SPIF) or prepare a Biological Evaluation. Forms can be found at <http://www.nws.usace.army.mil/Missions/CivilWorks/Regulatory/PermitGuidebook/EndangeredSpecies.aspx>.
- Not all cities and counties accept the JARPA for their local Shoreline permits. If you need a Shoreline permit, contact the appropriate city or county government to make sure they accept the JARPA.

²To access an online JARPA form with [\[help\]](#) screens, go to

http://www.epermitting.wa.gov/site/alias_resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx.

For other help, contact the Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@oria.wa.gov.

Part 3—Authorized Agent or Contact

Person authorized to represent the applicant about the project. (Note: Authorized agent(s) must sign 11b of this application.) [\[help\]](#)

3a. Name (Last, First, Middle)			
Farr, Ann			
3b. Organization (If applicable)			
3c. Mailing Address (Street or PO Box)			
5124 1 st Ave NW			
3d. City, State, Zip			
Seattle, WA 98107			
3e. Phone (1)	3f. Phone (2)	3g. Fax	3h. E-mail
(206) 784-0660			afarr@seanet.com

Part 4—Property Owner(s)

Contact information for people or organizations owning the property(ies) where the project will occur. Consider both **upland and aquatic** ownership because the upland owners may not own the adjacent aquatic land. [\[help\]](#)

- Same as applicant. (Skip to Part 5.)
- Repair or maintenance activities on existing rights-of-way or easements. (Skip to Part 5.)
- There are multiple upland property owners. Complete the section below and fill out [JARPA Attachment A](#) for each additional property owner.

Note: Seattle Pacific University owns the existing dock, gangway, and piles. SPU leases the tidelands under the float from the US Army Corps of Engineers. The adjacent upland building is owned by King County, whose consent letter is attached.

- Your project is on Department of Natural Resources (DNR)-managed aquatic lands. If you don't know, contact the DNR at (360) 902-1100 to determine aquatic land ownership. If yes, complete [JARPA Attachment E](#) to apply for the Aquatic Use Authorization.

4a. Name (Last, First, Middle)			
4b. Organization (If applicable)			
4c. Mailing Address (Street or PO Box)			
4d. City, State, Zip			
4e. Phone (1)	4f. Phone (2)	4g. Fax	4h. E-mail

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Part 5–Project Location(s)

Identifying information about the property or properties where the project will occur. [\[help\]](#)

- There are multiple project locations (e.g. linear projects). Complete the section below and use [JARPA Attachment B](#) for each additional project location.

5a. Indicate the type of ownership of the property. (Check all that apply.) [help]			
<input checked="" type="checkbox"/> Private – <i>Dock only is in institutional ownership of Seattle Pacific University.</i>			
<input checked="" type="checkbox"/> Federal			
<input checked="" type="checkbox"/> Publicly owned (state, county, city, special districts like schools, ports, etc.) –			
<input type="checkbox"/> Tribal			
<input type="checkbox"/> Department of Natural Resources (DNR) – managed aquatic lands (Complete JARPA Attachment E)			
5b. Street Address (Cannot be a PO Box. If there is no address, provide other location information in 5p.) [help]			
322 W. Ewing Street			
5c. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]			
Seattle, WA 98119			
5d. County [help]			
King			
5e. Provide the section, township, and range for the project location. [help]			
¼ Section	Section	Township	Range
SE	13`	25	3
5f. Provide the latitude and longitude of the project location. [help]			
<ul style="list-style-type: none"> Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83) 			
47.652567 N. lat/ -122.361298 W long.			
5g. List the tax parcel number(s) for the project location. [help]			
<ul style="list-style-type: none"> The local county assessor's office can provide this information. 			
744200-1430			
5h. Contact information for all adjoining property owners. (If you need more space, use JARPA Attachment C.) [help]			
Name	Mailing Address		Tax Parcel # (if known)
Bill Welbert	King County Wastewater Treatment Division		744200-1430
	201 S. Jackson #513, Seattle, 98104		
Kurtis Nold	USACE, Real Estate Division		Lake WA Ship Canal
	P.O. Box 3755, Seattle 98124		
See note above regarding ownership.			

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5i. List all wetlands on or adjacent to the project location. [\[help\]](#)

None.

5j. List all waterbodies (other than wetlands) on or adjacent to the project location. [\[help\]](#)

Lake Washington Ship Canal

5k. Is any part of the project area within a 100-year floodplain? [\[help\]](#)

Yes No Don't know

5l. Briefly describe the vegetation and habitat conditions on the property. [\[help\]](#)

The proposal is within a highly developed and urbanized area in the Lake Washington Ship Canal. The bank is heavily armored with large riprap and rock, or modified by a vertical concrete bulkhead. Bottom substrate is silt and mud, with no vegetation present.

5m. Describe how the property is currently used. [\[help\]](#)

The crew float is used by the University for launching and landing of crew shells and for shoreline public access to the Ship Canal by members of the general public.

5n. Describe how the adjacent properties are currently used. [\[help\]](#)

The uplands are occupied by the King County Water Quality Lab. There is a small public park (West Ewing Mini Park, Seattle Parks) east of the float.

5o. Describe the structures (above and below ground) on the property, including their purpose(s) and current condition. [\[help\]](#)

The site includes a concrete bulkhead; grated gangway and a 10- foot by 60-foot concrete float. There are two existing pilings: a steel H-pile and a timber pile, both of which hold the float in place. The float is used for launching and landing of crew shells and for shoreline public access. The float surface is worn and in need of replacement; all other structures including the existing H-beam steel pile at the end of the float, the existing wood pile at the head of the float, and gangway will remain in place.

5p. Provide driving directions from the closest highway to the project location, and attach a map. [\[help\]](#)

From Interstate 5, take NE Pacific St, N 34th St and Nickerson St to 3rd Ave W. ; Follow 3rd Ave W to W Ewing Street.

Part 6–Project Description

6a. Briefly summarize the overall project. You can provide more detail in 6b. [\[help\]](#)

SPU proposes to replace an existing float used for launching and landing of crew shells and for shoreline public access. The proposal is to replace the existing 60-foot long by 10-foot wide float with a new float of the same size and dimensions in the same location. The new float would be prefabricated off-site; launched via a nearby boat ramp and towed into place with a skiff. The existing float would be detached from the existing piles, towed off-site, and disposed of in an appropriate upland location. All proposed work is on-water, and there would be no disturbance of sediments or upland soils. No work from the upland side is proposed and no bank disturbance will occur.

Metal pile guides which attach the float to the existing two piles would also be replaced in kind. SPU also proposes to place a galvanized steel pile sleeve and cap (“can”) over the top portion of the existing wood pile to prevent further deterioration and extend the life of this pile.

Other structures associated with the dock including an existing H-beam steel pile at the end of the float, and an existing wood pile at the head of the float, and the existing grated gangway will remain in place and unchanged. Removal and replacement of the floats is expected to take approximately four hours.

See JARPA drawing set for additional detail.

6b. Describe the purpose of the project and why you want or need to perform it. [\[help\]](#)

The existing float is 30+ years old and is in poor condition. The proposal is maintenance and repair of an existing authorized structure.

6c. Indicate the project category. (Check all that apply) [\[help\]](#)

- Commercial Residential Institutional Transportation Recreational
 Maintenance Environmental Enhancement

6d. Indicate the major elements of your project. (Check all that apply) [\[help\]](#)

<input type="checkbox"/> Aquaculture	<input type="checkbox"/> Culvert	<input checked="" type="checkbox"/> Float	<input type="checkbox"/> Retaining Wall (upland)
<input type="checkbox"/> Bank Stabilization	<input type="checkbox"/> Dam / Weir	<input type="checkbox"/> Floating Home	<input type="checkbox"/> Road
<input type="checkbox"/> Boat House	<input type="checkbox"/> Dike / Levee / Jetty	<input type="checkbox"/> Geotechnical Survey	<input type="checkbox"/> Scientific Measurement Device
<input type="checkbox"/> Boat Launch	<input type="checkbox"/> Ditch	<input type="checkbox"/> Land Clearing	<input type="checkbox"/> Stairs
<input type="checkbox"/> Boat Lift	<input type="checkbox"/> Dock / Pier	<input type="checkbox"/> Marina / Moorage	<input type="checkbox"/> Stormwater facility
<input type="checkbox"/> Bridge	<input type="checkbox"/> Dredging	<input type="checkbox"/> Mining	<input type="checkbox"/> Swimming Pool
<input type="checkbox"/> Bulkhead	<input type="checkbox"/> Fence	<input type="checkbox"/> Outfall Structure	<input type="checkbox"/> Utility Line
<input type="checkbox"/> Buoy	<input type="checkbox"/> Ferry Terminal	<input type="checkbox"/> Piling/Dolphin	
<input type="checkbox"/> Channel Modification	<input type="checkbox"/> Fishway	<input type="checkbox"/> Raft	
<input type="checkbox"/> Other:			

6e. Describe how you plan to construct each project element checked in 6d. Include specific construction methods and equipment to be used. [\[help\]](#)

- Identify where each element will occur in relation to the nearest waterbody.
- Indicate which activities are within the 100-year floodplain.

The proposal is to replace the existing 60-foot long by 10-foot wide float with a new float of the same size and dimensions in the same location in the Lake Washington Ship Canal. The new float would be prefabricated off-site; launched via a nearby boat ramp and towed into place with a skiff. The existing float would be detached from the existing piles, towed off-site, and disposed of in an appropriate upland location. All proposed work is on-water, and there would be no disturbance of sediments or upland soils. No work from the upland side is proposed and no bank disturbance will occur.

Metal pile guides which attach the float to the existing two piles would also be replaced in kind. SPU also proposes to place a galvanized steel pile sleeve and cap (“can”) over the top portion of the existing wood pile to prevent further deterioration and extend the life of this pile.

Other structures associated with the dock including an existing H-beam steel pile at the end of the float, and an existing wood pile at the head of the float, and the existing grated gangway will remain in place and unchanged. Removal and replacement of the floats is expected to take approximately four hours.

6f. What are the anticipated start and end dates for project construction? (Month/Year) [\[help\]](#)

- If the project will be constructed in phases or stages, use [JARPA Attachment D](#) to list the start and end dates of each phase or stage.

Start Date: as soon as permits are obtained End Date: _____ See JARPA Attachment D

6g. Fair market value of the project, including materials, labor, machine rentals, etc. [\[help\]](#)

\$95,000

6h. Will any portion of the project receive federal funding? [\[help\]](#)

- If **yes**, list each agency providing funds.

Yes No Don't know

7h. Use the table below to list the type and rating of each wetland impacted, the extent and duration of the impact, and the type and amount of mitigation proposed. Or if you are submitting a mitigation plan with a similar table, you can state (below) where we can find this information in the plan. [\[help\]](#)

Activity (fill, drain, excavate, flood, etc.)	Wetland Name ¹	Wetland type and rating category ²	Impact area (sq. ft. or Acres)	Duration of impact ³	Proposed mitigation type ⁴	Wetland mitigation area (sq. ft. or acres)

¹ If no official name for the wetland exists, create a unique name (such as "Wetland 1"). The name should be consistent with other project documents, such as a wetland delineation report.
² Ecology wetland category based on current Western Washington or Eastern Washington Wetland Rating System. Provide the wetland rating forms with the JARPA package.
³ Indicate the days, months or years the wetland will be measurably impacted by the activity. Enter "permanent" if applicable.
⁴ Creation (C), Re-establishment/Rehabilitation (R), Enhancement (E), Preservation (P), Mitigation Bank/In-lieu fee (B)

Page number(s) for similar information in the mitigation plan, if available: _____

7i. For all filling activities identified in 7h, describe the source and nature of the fill material, the amount in cubic yards that will be used, and how and where it will be placed into the wetland. [\[help\]](#)

7j. For all excavating activities identified in 7h, describe the excavation method, type and amount of material in cubic yards you will remove, and where the material will be disposed. [\[help\]](#)

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name ¹	Impact location ²	Duration of impact ³	Amount of material (cubic yards) to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected
Float replacement	Lake WA Ship Canal	Over water	4 hours	Not applicable	600 sq. ft.

¹ If no official name for the waterbody exists, create a unique name (such as "Stream 1") The name should be consistent with other documents provided.

² Indicate whether the impact will occur in or adjacent to the waterbody. If adjacent, provide the distance between the impact and the waterbody and indicate whether the impact will occur within the 100-year flood plain.

³ Indicate the days, months or years the waterbody will be measurably impacted by the work. Enter "permanent" if applicable.

8f. For all activities identified in 8e, describe the source and nature of the fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody. [\[help\]](#)

No filling or dredging is required.

8g. For all excavating or dredging activities identified in 8e, describe the method for excavating or dredging, type and amount of material you will remove, and where the material will be disposed. [\[help\]](#)

Not applicable.

Part 9—Additional Information

Any additional information you can provide helps the reviewer(s) understand your project. Complete as much of this section as you can. It is ok if you cannot answer a question.

9a. If you have already worked with any government agencies on this project, list them below. [\[help\]](#)

Agency Name	Contact Name	Phone	Most Recent Date of Contact
NOAA Fisheries	Jim Muck	(360) 753-9586	03/01/2017

<p>9b. Are any of the wetlands or waterbodies identified in Part 7 or Part 8 of this JARPA on the Washington Department of Ecology's 303(d) List? [help]</p> <ul style="list-style-type: none"> • If Yes, list the parameter(s) below. • If you don't know, use Washington Department of Ecology's Water Quality Assessment tools at: http://www.ecy.wa.gov/programs/wq/303d/. 			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Lake Washington Ship Canal: Lead, pH, Aldrin, and Bacteria.			
<p>9c. What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [help]</p> <ul style="list-style-type: none"> • Go to http://cfpub.epa.gov/surf/locate/index.cfm to help identify the HUC. 			
Puget Sound Watershed -- 17110019			
<p>9d. What Water Resource Inventory Area Number (WRIA #) is the project in? [help]</p> <ul style="list-style-type: none"> • Go to http://www.ecy.wa.gov/water/wria/index.html to find the WRIA #. 			
WRIA 8			
<p>9e. Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [help]</p> <ul style="list-style-type: none"> • Go to http://www.ecy.wa.gov/programs/wq/swqs/criteria.html for the standards. 			
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not applicable			
<p>9f. If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [help]</p> <ul style="list-style-type: none"> • If you don't know, contact the local planning department. • For more information, go to: http://www.ecy.wa.gov/programs/sea/sma/laws_rules/173-26/211_designations.html. 			
<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Natural <input type="checkbox"/> Aquatic <input type="checkbox"/> Conservancy <input type="checkbox"/> Other: _____			
<p>9g. What is the Washington Department of Natural Resources Water Type? [help]</p> <ul style="list-style-type: none"> • Go to http://www.dnr.wa.gov/forest-practices-water-typing for the Forest Practices Water Typing System. 			
<input checked="" type="checkbox"/> Shoreline <input type="checkbox"/> Fish <input type="checkbox"/> Non-Fish Perennial <input type="checkbox"/> Non-Fish Seasonal			
<p>9h. Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? [help]</p> <ul style="list-style-type: none"> • If No, provide the name of the manual your project is designed to meet. 			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Name of manual: <u>Stormwater Management Manual for Western Washington</u>			
<p>9i. Does the project site have known contaminated sediment? [help]</p> <ul style="list-style-type: none"> • If Yes, please describe below. 			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

No sediment disturbance is anticipated. The proposal is to simply detach and remove the existing float, and attach a new replacement float of the same dimensions.

9j. If you know what the property was used for in the past, describe below. [\[help\]](#)

9k. Has a cultural resource (archaeological) survey been performed on the project area? [\[help\]](#)

- If Yes, attach it to your JARPA package.

Yes No

9l. Name each species listed under the federal Endangered Species Act that occurs in the vicinity of the project area or might be affected by the proposed work. [\[help\]](#)

Puget Sound Chinook Salmon; Coastal/Puget Sound Bull Trout; Puget Sound Steelhead

9m. Name each species or habitat on the Washington Department of Fish and Wildlife's Priority Habitats and Species List that might be affected by the proposed work. [\[help\]](#)

Sockeye Salmon; Coho Salmon

Part 10–SEPA Compliance and Permits

Use the resources and checklist below to identify the permits you are applying for.

- Online Project Questionnaire at <http://apps.oria.wa.gov/opas/>.
- Governor’s Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@oria.wa.gov.
- For a list of addresses to send your JARPA to, click on [agency addresses for completed JARPA](#).

10a. Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [\[help\]](#)

- For more information about SEPA, go to www.ecy.wa.gov/programs/sea/sepa/e-review.html.

A copy of the SEPA determination or letter of exemption is included with this application.

A SEPA determination is pending with _____ (lead agency). The expected decision date is _____.

I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b.) [\[help\]](#)

This project is exempt (choose type of exemption below).

Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt?
WAC 197-11-800(3)

Other: _____

SEPA is pre-empted by federal law.

10b. Indicate the permits you are applying for. (Check all that apply.) [\[help\]](#)

LOCAL GOVERNMENT

Local Government Shoreline permits:

Substantial Development Conditional Use Variance

Shoreline Exemption Type (explain): Normal maintenance and repair: WAC 173-27-040(2)(b); SMC 23.60.020.C.1

Other City/County permits:

Floodplain Development Permit Critical Areas Ordinance

STATE GOVERNMENT

Washington Department of Fish and Wildlife:

Hydraulic Project Approval (HPA) Fish Habitat Enhancement Exemption – [Attach Exemption Form](#)

You must submit a check for \$150 to Washington Department of Fish and Wildlife, unless your project qualifies for an exemption or alternative payment method below. **Do not send cash.**

Check the appropriate boxes

\$150 check enclosed. Check # 10178470
 Attach check made payable to Washington Department of Fish and Wildlife.

My project is exempt from the application fee. (Check appropriate exemption):

HPA processing is conducted by applicant funded WDFW staff.

Agreement # _____

Mineral prospecting and mining

Project occurs on farm and agricultural land.

(Attach a copy of current land use classification recorded with the county auditor, or other proof of current land use)

Project is modification of an existing HPA originally applied for, prior to July 10, 2012.

HPA # _____

Washington Department of Natural Resources:

Aquatic Use Authorization

Complete [JARPA Attachment E](#) and submit a check for \$25 payable to the Washington Department of Natural Resources.
Do not send cash.

Washington Department of Ecology:

Section 401 Water Quality Certification

FEDERAL GOVERNMENT

United States Department of the Army permits (U.S. Army Corps of Engineers):

Section 404 (discharges into waters of the U.S.) Section 10 (work in navigable waters)

United States Coast Guard permits:

Private Aids to Navigation (for non-bridge projects)

Part 11—Authorizing Signatures

Signatures are required before submitting the JARPA package. The JARPA package includes the JARPA form, project plans, photos, etc. [\[help\]](#)

11a. Applicant Signature (required) [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

I hereby authorize the agent named in Part 3 of this application to act on my behalf in matters related to this application. dc (initial)

By initialing here, I state that I have the authority to grant access to the property. I also give my consent to the permitting agencies entering the property where the project is located to inspect the project site or any work related to the project. dc (initial)

David B. Church

dc

3/10/17

Applicant Printed Name

Applicant Signature

Date

11b. Authorized Agent Signature [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities and I agree to start work only after all necessary permits have been issued.

Ann K. Farr

Ann K. Farr

3/10/17

Authorized Agent Printed Name

Authorized Agent Signature

Date

11c. Property Owner Signature (if not applicant) [\[help\]](#)

Not required if project is on existing rights-of-way or easements (provide copy of easement with JARPA).

I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

David B. Church



3/10/17

Property Owner Printed Name

Property Owner Signature

Date

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ORIA-16-011 rev. 09/2016

Specific Project Information Form
Prepared under the Seattle Biological Evaluation
Seattle Pacific University – Crew Dock Repair – March 2017

- No Effect (NE) Analysis/Determinations for ESA Species and Critical Habitat
 - Will Not Adversely Affect (NAA) Determination for Essential Fish Habitat
-

PROJECT NAME

Seattle Pacific University (SPU) Crew Dock Repair.

LOCATION

Lake Washington Ship Canal. Adjacent upland address: 322 W/ Ewing Street, Seattle. See JARPA for additional detail.

PROJECT DESCRIPTION

SPU proposes to replace an existing float used for launching and landing of crew shells and for shoreline public access. The existing float is 30+ years old and is in poor condition. The proposal is to replace the existing 60-foot long by 10-foot wide float with a new float of the same size and dimensions in the same location. The new float would be prefabricated off-site; launched via a nearby boat ramp and towed into place with a skiff. The existing float would be detached from the existing piles, towed off-site, and disposed of in an appropriate upland location. All proposed work is on-water, and there would be no disturbance of sediments or upland soils. No work from the upland side is proposed and no bank disturbance will occur.

Metal pile guides which attach the float to the existing two piles would also be replaced in kind. SPU also proposes to place a galvanized steel pile sleeve and cap (“can”) over the top portion of the existing wood pile to prevent further deterioration and extend the life of this pile.

Other structures associated with the dock including an existing H-beam steel pile at the end of the float, and an existing wood pile at the head of the float, and the existing grated gangway will remain in place and unchanged. Removal and replacement of the floats is expected to take approximately four hours.

See JARPA drawing set for additional detail.

ALLOWABLE WORK WINDOW

Given the short term nature of the work, and that the proposed project is over-water, with no pile work or disturbance of substrate, the applicant requests authorization to undertake the maintenance work as soon as permits are received. Completing the work earlier will alleviate the unsafe condition for shoreline public access, and also allow for crew use in time for the school year/academic season.

ACTION AREA

The action area for the project is the surface water of the Lake Washington Ship Canal at the location of the float. No off-site effects are anticipated since all work will occur on the surface of the water, and no disturbance of sediments, soil, or bank is anticipated.

CONSERVATION MEASURES (CMS)

The proposal falls under areas covered by the City of Seattle Biological Evaluation, which is specifically referenced here. Float replacements are covered under Method 10D: In-water/overwater structure repair and replacement – Floats and Gangways. However, since the proposal is to simply replace an existing float in-kind, and no pile work and no bottom or bank disturbance are proposed, most of the CMs do not apply. The Seattle BE CMs are noted and discussed below:

CM #	
	Approved Work Windows
1	All work shall comply with the approved work windows/timing restrictions for the protection of ESA-listed species or species they forage upon in the Seattle action areas. <i>Response: The proposal will comply with approved work windows for the Lake Washington Ship Canal.</i>
	Stormwater Pollution Prevention
	<i>Develop a CSECP</i>
2	Each project shall have onsite a written Construction Stormwater and Erosion Control Plan (CSECP) that includes all information needed to reduce erosion and sedimentation on the project. All projects will require the contractor to assign an onsite Erosion Control Lead to oversee the work and ensure compliance with the CSECP. <i>Response: Not applicable. No bank work or bottom disturbance is anticipated and no upland staging or access is proposed.</i>
	<i>Ensure City crew/contractor has SPCP</i>
3	The contractor shall have onsite a written Spill Prevention and Control Plan (SPCP) that describes materials to be used and measures to prevent or reduce impacts from potential spills (fuel, hydraulic fluid, etc). <i>Response: The project will comply.</i>
4	Maintain a spill kit onsite to respond to accidental spills during construction. Ensure that spill kit is stocked with adequate containment material and other supplies to suit the specific job site and potential containment distances. <i>Response: The project will comply.</i>
	<i>Minimize site-preparation-related impacts</i>
6	Establish staging and site access areas along existing roadways or other disturbed areas to minimize erosion into or contamination of sensitive areas or their buffers. Confine work to the area noted using flagging or other barriers. <i>Response: Not applicable. No staging or site access areas are required. All work is on-water.</i>
7	Limit clearing and grubbing area to minimum required. Retain vegetation to maximum extent possible. Minimize clearing and grubbing effects by cutting vegetative stems but not removing the root systems, which help to reduce erosion potential and allow native plants to regenerate. <i>Response: Not applicable. No clearing and grubbing is proposed.</i>
9	Ensure proper BMPs, such as covering, berming, matting, seeding or mulching are implemented to prevent erosion of any excavated material. <i>Response: Not applicable. No excavation is proposed.</i>
12	Place sediment barriers (e.g., silt fences, coir logs, wood straw or other effective erosion control method) around disturbed sites to prevent erosion from sediment

	from entering a waterbody.
	<i>Response: Not applicable. No sediment disturbance or excavation is proposed.</i>
13	Keep a supply of erosion control materials (e.g., silt fence or mulch) on hand to respond to sediment emergencies. For wetland areas with high likelihood of germination, use wood straw.
	<i>Response: Not applicable. No sediment disturbance or excavation is proposed.</i>
14	Use curb inlet sediment traps and geotextile filters, along with silt fencing, to capture sediment before it leaves the site.
	<i>Response: Not applicable. No sediment disturbance or excavation is proposed.</i>
	<i>Avoid heavy equipment fuel/oil leakage</i>
15	Equipment used for work below the OHW or MHHW or in riparian zones or shoreline areas shall be cleaned of accumulated grease, oil, mud, etc. and leaks repaired before arriving at the project.
	<i>Response: The project will comply.</i>
16	Equipment shall be fueled and serviced in an established staging area. Thereafter, all equipment shall be inspected daily for leaks or accumulation of grease, and any identified problems fixed before equipment enters areas typically covered with water.
	<i>Response: The project will comply.</i>
17	Two oil absorbing floating booms appropriate for the size of the work shall be available onsite during all phases of construction whenever heavy equipment is used below the OHW or MHHW. Place booms in a location that facilitates an immediate response to potential petroleum leakage and shall be deployed for all petroleum leaks.
	<i>Response: The project will comply.</i>
18	Vegetable-based hydraulic fluid should be substituted when machines will operate in sensitive areas or their buffer for more than incidental work.
	<i>Response: The project will comply.</i>
19	Operate machinery from existing roads and paved areas where they exist in proximity to the site. In many cases, wood chippings and timber mats can provide a temporary surface where heavy equipment can access a work site.
	<i>Response: Not applicable. Machinery will not be operated from uplands to access the work site.</i>
	<i>Minimize stream crossing sedimentation</i>
25	Minimize stream and riparian crossings. <u>If possible</u> , cross at right angles to the main channel.
	<i>Response: Not applicable.</i>
26	Where temporary stream crossings are essential, crossings shall be managed to minimize the risk of creating erosion.
	<i>Response: Not applicable.</i>
	<i>General restoration in open waters</i>
27	For in-water work at or below OHW or MHHW, appropriate and effective erosion or other water quality control devices will be in place before project work begins. Control devices include sealed sand or gravel bags, silt curtains, silt fencing, other containment systems. Deploy and maintain curtain at sufficient

	depth to reach bottom and contain sediment.
	<i>Response: Not applicable. No sediment disturbance or erosion will occur related to the float replacement.</i>
28	If mechanized equipment is used within the OHW or MHHW, only an extension arm with bucket or similar attachment shall enter the water. Conduct debris removal and work below OHW or MHHW during low water levels (fresh waters) or at low tide (marine waters). This prevents material from entering the water during construction. It is recommended that a tarp be placed on the substrate of the work area. All debris removed will be disposed of offsite or to an approved upland disposal area.
	<i>Response: Not applicable. Mechanized equipment will not operate or disturb the substrate below OHW.</i>
29	Confine use of equipment operating below OHW or MHHW to designated access corridors.
	<i>Response: Not applicable.</i>
	Overwater Structure Size
	<i>Floats, docks or piers</i>
33	Overwater structures such as piers and floats should be no larger (length and width) than needed for the specified function (see Table 4-7). Minimize/reduce pier and overall footprint of structure to reduce shading impacts. In the SPIF, give rationale for project-specific pier and float size requirements.
	<i>Response: The float is the minimum size necessary to accommodate launching of crew shells and to provide for public access to the Ship Canal. The situation for crew shell launching is unique and different from other boat launch docks: The crew teams must carry 4 and 8 man shells (the 8 man shells are 62 feet long and weigh more than 200 pounds) overhead and then set them on the dock before maneuvering them to place them in the water. The crew must be able to all be on the float at the same time and step into the shell. The crews use eight oars over 12 feet long that must also be carried and placed in the boats. All of this must be accommodated on the float at the same time in the same space.</i>
35	To reduce shading impacts, grating shall be installed on fixed structure surfaces during replacement to provide light transmission to the maximum extent practicable and American Disabilities Act (ADA) requirements. If grating cannot be installed in pier/float decking, consider using transparent glass blocks, prisms, or floors to obtain more light under pier.
	<i>Response: The proposal does not introduce new shading impacts, and is simply a restoration of the existing condition. Grating or other light penetrating features are not practicable due to the unique nature and uses of the dock for both crew shell launching and shoreline public access. Launches are accomplished in the dark, by crews wearing plated rowing shoes. The shells themselves are delicate and easily damaged by surface contact. The float may be used for simultaneous launching of 8 man crews and a uniform dock surface is required in order to keep crews safe. Likewise, the float is used for shoreline public access by the general public and requires a safe, level surface.</i>
36	Flotation for floats will be fully contained in a durable protective casing to

	prevent breakup of the flotation material and its release into the waterway. <i>Response: The project will comply.</i>
37	In marine waters, replacement floats shall be at least 4 feet above marine vegetation (e.g., eelgrass) to avoid creating new shade over marine vegetation. <i>Response: Not applicable.</i>
38	Any flotation material used shall be positioned so that they do not block any grating or other surface light treatment (i.e. prisms, blocks) and associated light transmission through the overwater structure. <i>Response: Not applicable.</i>
CM #	Shoreline and Aquatic Habitat Protection
	<i>All projects/all structures</i>
63	Take care to prevent spread of invasive plant species during their removal. <i>Response: Not applicable. No vegetation is present at the project site and none will be affected.</i>
64	Plant the project shoreline with native riparian vegetation. City crew/contractor will ensure 80% survival of the planted material at 1, 3, and 5 years after installation. Riparian planting plans, including monitoring and reporting, will be submitted along with the project permit application. <i>Response: Not applicable. No vegetation is present at the project site and none will be affected.</i>
65	Require City crew/contractor to retrieve any debris generated during construction that has entered the water and sunk to dispose of it at an upland facility. <i>Response: The project will comply.</i>

ESA SPECIES AND CRITICAL HABITAT: ANALYSIS AND DETERMINATION OF EFFECT

The following species may also occur in the project area:

- Puget Sound chinook salmon (*Oncorhynchus tshawytscha*): federal threatened species and state species of concern (NOAA Fisheries 2000)
- Puget Sound/Strait of Georgia coho salmon (*O. kisutch*): federal candidate species (NOAA Fisheries 2001).
- Bull trout (*Salvelinus confluentus*): federal threatened species and state species of concern.

General effects: Work associated with the project will occur within highly developed and substantially altered areas and is not expected to result in any substantial habitat disturbance, water quality impacts, or changed conditions. The site is devoid of aquatic vegetation. No demolition work will occur in the water other than detachment and reattachment of metal brackets on the floats. The project is a float replacement, and no changed conditions will result. Restoration of the existing conditions would result in a small amount of exhaust emissions from the skiff used to detach the old float and attach the new one. No excavation, pile work, or other work affecting the bank, habitat, or bottom substrate will occur. Float replacement will occur in a very short term period, a matter of hours, minimizing any impacts. All applicable conservation measures and best management practices will be applied to the float removal and installation. Habitat access, habitat elements, channel conditions/dynamics, flow and hydrology, and watershed conditions will not be affected by any element of the project.

Project-related impacts will have no effect on Puget Sound Chinook Salmon, Coastal-Puget Sound Bull Trout, and Puget Sound Steelhead. Likewise, with implementation of applicable conservation measures and best management practices identified above, the proposal will have no effect on critical habitat for these species.

ESSENTIAL FISH HABITAT (EFH)

This short term project, which will not result in any changed conditions, will have no effect on essential fish habitat. The project is work on the water, with no effect on the physical, chemical and biological properties of the water. The project does not include any work that would disturb or impact the bank or bottom substrate, and therefore will not impact the sediment or substrate underlying the waters, and associated biological communities.

3/10/17
Date

Aruk. Jm
Name of Analysis Preparer



King County

Wastewater Treatment Division
Industrial Waste Program

Department of Natural Resources and Parks
201 South Jackson Street, Suite 513
Seattle, WA 98104-3855
206-477-5300 Fax 206-263-3001
TTY Relay: 711

Received

DEC 22 2016

Seattle Pacific University
Facility & Projects

December 12, 2016

David Church
Seattle Pacific University – Facilities Management
3307 Third Ave W., Ste. 311
Seattle, WA 98119

Grant of Permission: Seattle Pacific University (SPU) – Facilities Management Division, Dock Replacement Project

Dear Mr. Church:

King County owns the Metro Water Quality Lab at 322 West Ewing Street, located on the south side of the Fremont Cut of the Lake Washington Ship Canal, adjacent to Seattle Pacific University. When the County constructed the lab in the 1980's, Metro partnered with the University to allow the University to build a crew dock, anchored to Metro's property. The dock serves the University's rowing team, but also includes a pipe that allows the Metro Lab to extract samples of water from the Ship Canal. The dock requires maintenance and repair to ensure reliable service and King County, as the property owner, consents to the repair and maintenance so long as the footprint is not expanded. Coordination between SPU and county should be arranged with Ben Budka, Supervisor – Field Service Unit at 206-477-7142.

As the owner of the land to which the dock connects, King County consents to Seattle Pacific University seeking any entitlements necessary to repair it.

Thank you,

Bill Wilbert, Environmental Programs Managing Supervisor
King County Wastewater Treatment Division

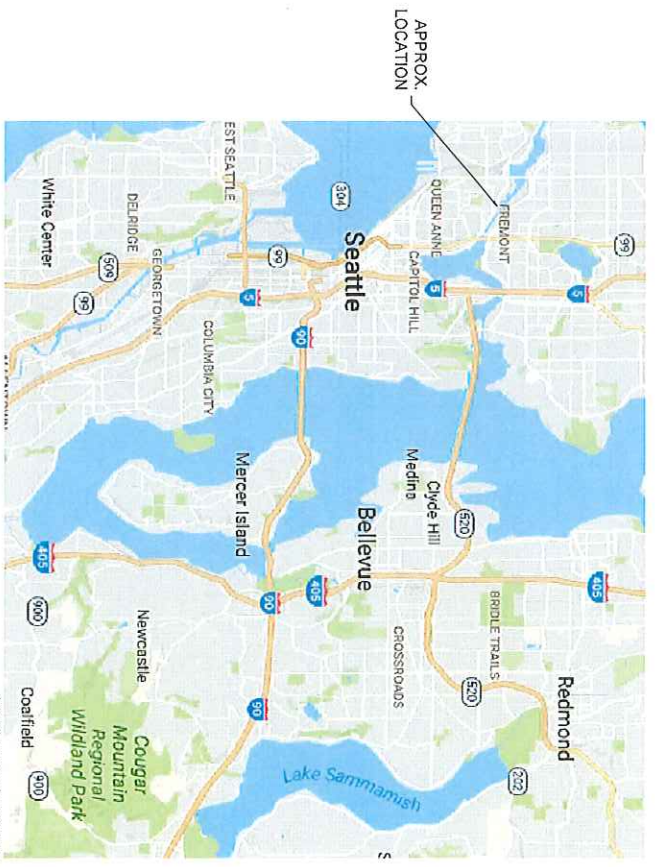
cc: City of Seattle, Department of Construction and Inspections
Benjamin G Budka, Supervisor Field Science Unit

SEATTLE PACIFIC UNIVERSITY CREW DOCK REPAIR

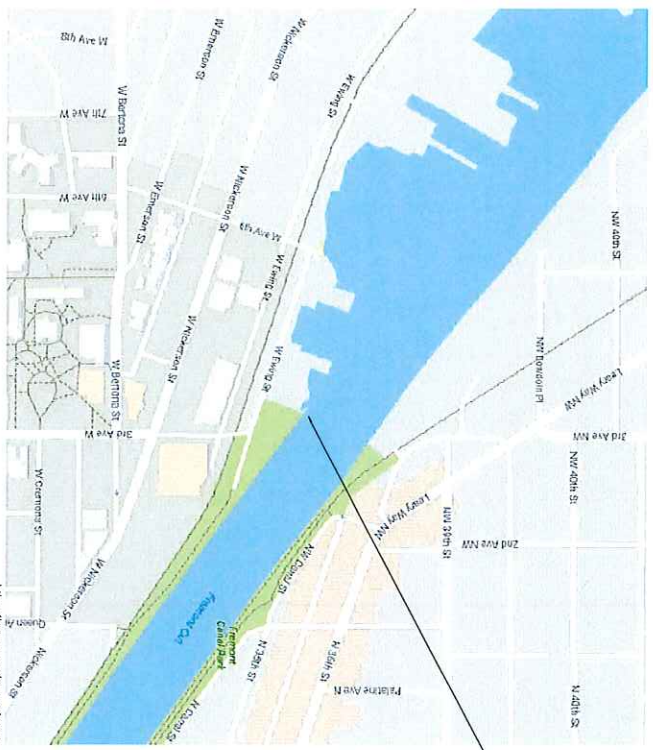
SEATTLE, WA

SHEET INDEX

SHT. #	DESCRIPTION
1	TITLE SHEET
2	EXISTING DOCK PHOTOS
3	EXISTING DOCK LAYOUT
4	PROPOSED DOCK LAYOUT



1 VICINITY MAP



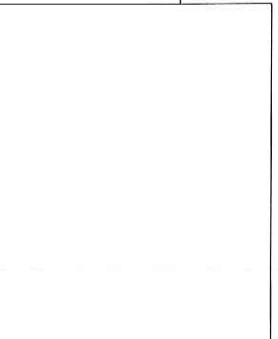
2 SITE MAP

EXISTING SPU
CREW DOCK

REFERENCE: SPU Crew Dock Repair
APPLICANT: Seattle Pacific University
ADJACENT PROPERTY OWNERS:
 NAME/LOT King County
 NAME/LOT US Army Corps of Engineers

LOCATION: 322 W. Ewing St.
LAT/LONG: 47° 39' 09.4"N/122° 21' 41.0"W
PAGE: 1 OF 4
LOT: # **DIV: ##** **PLAT: ##**
SEC: 23E **TWP: 25** **RANGE: 3**
DATE: 03/03/17

PROPOSED PROJECT: Remove existing 10'x60' (nominal) dock & replace in like kind.
CITY: Seattle **NEAR/AT:** Lake Washington Ship Canal
COUNTY: King **STATE:** WA





FLOATING DOCK LOOKING AWAY FROM GANGWAY



LOOKING UP GANGWAY FROM FLOATING DOCK



H-PILE CONDITION



TIMBER PILE CONDITION

1 EXISTING DOCK PHOTO

REFERENCE: SPU Crew Dock Repair
 APPLICANT: Seattle Pacific University
 ADJACENT PROPERTY OWNERS:
 NAME/LOT King County
 NAME/LOT US Army Corps of Engineers

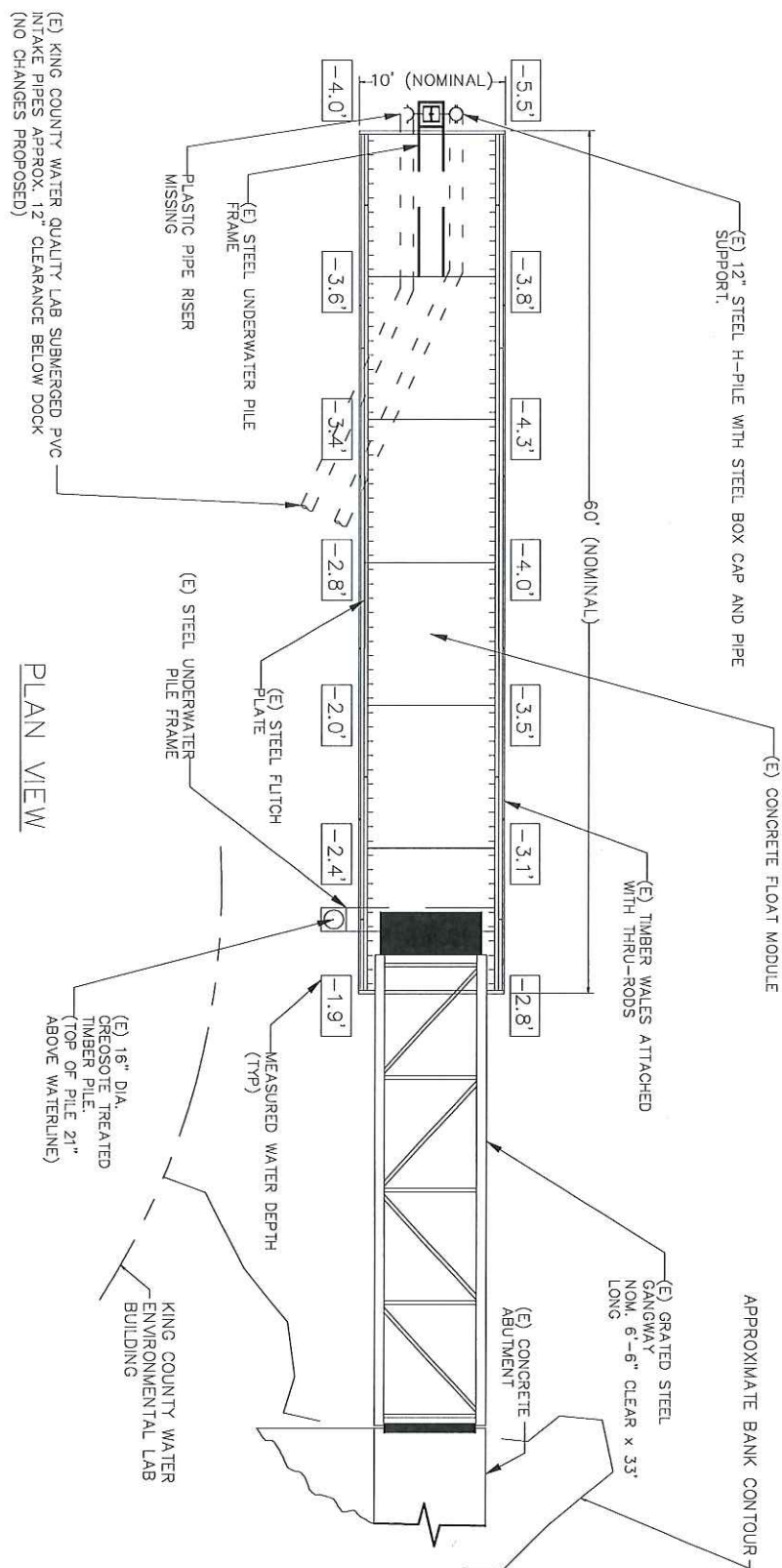
LOCATION: 322 W. Ewing St.
 LAT/LONG: 47° 39' 09.4"N/122° 21' 41.0"W
 PAGE: 2 OF 4
 LOT: # DIV: # DATE: 03/03/17
 SEC: 23E TWP: 25 PLAT: ## # RANGE: 3

PROPOSED PROJECT: Remove existing 10'x60' (nominal) dock & replace in like kind.
 CITY: Seattle
 COUNTY: King
 NEAR/AT: Lake Washington Ship Canal
 STATE: WA





LAKE WASHINGTON
SHIP CANAL



PLAN VIEW

LAKE ELEVATION AT TIME OF OBSERVATION = 20.03' (CODE LOCAL DATUM)
 - SUBTRACT 6.82' TO CONVERT TO NGVD 1929
 - SUBTRACT 3.22' TO CONVERT TO NAVD 1988

1 EXISTING DOCK LAYOUT
SCALE: N.T.S.

NOTE: EXISTING DOCK DATA PERFORMED BY REDPOINT STRUCTURES.

REFERENCE: SPU Crew Dock Repair
 APPLICANT: Seattle Pacific University
 ADJACENT PROPERTY OWNERS:
 NAME/LOT King County
 NAME/LOT US Army Corps of Engineers

LOCATION: 322 W. Ewing St.
 LAT/LONG: 47° 39' 09.4"N/122° 21' 41.0"W
 PAGE: 3 OF 4
 DATE: 03/09/17
 LOT: # DIV: # PLAT: ## #
 SEC: 23E TWP: 25 RANGE: 3

PROPOSED PROJECT: Remove existing 10x60' (nominal) dock & replace in like kind.
 CITY: Seattle
 COUNTY: King
 NEAR/AT: Lake Washington Ship Canal
 STATE: WA

Redpoint
STRUCTURES

Redpoint Structures, P.S.
 3823 E. Sunset Blvd.
 Bellevue, WA 98003
 Phone: 206.715.0121
 Fax: 206.715.0121
 mail@redpointstructures.com

Rev.	Date	Description	By

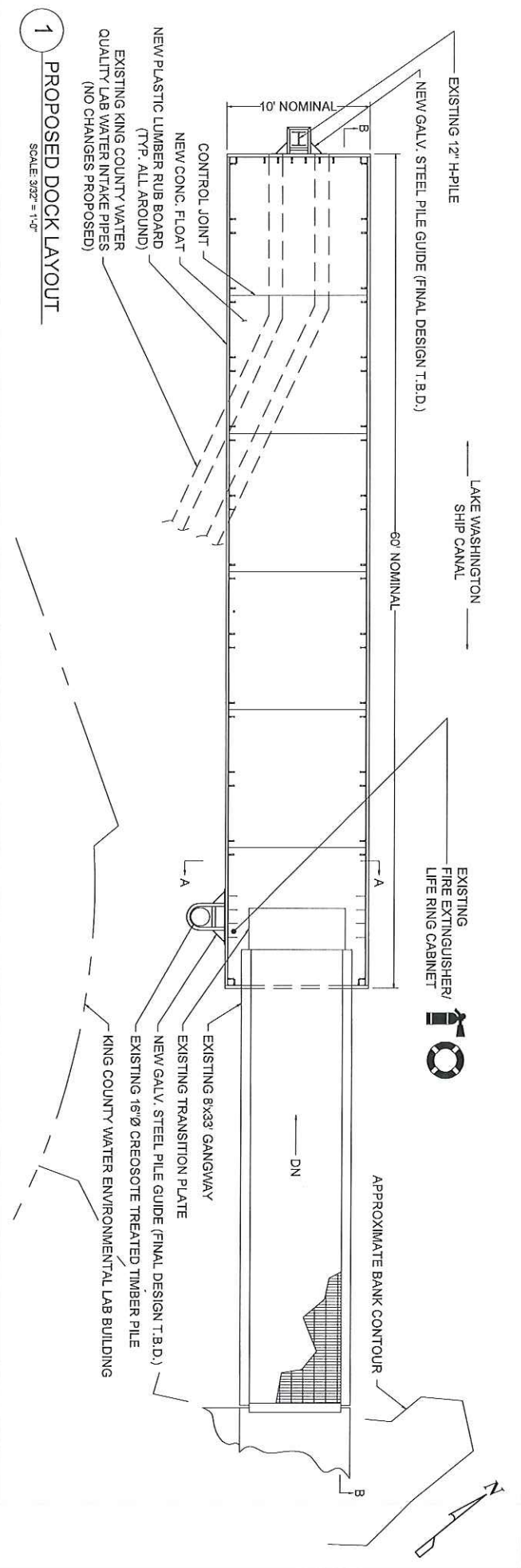
Project: SPU ROWING DOCK
 322 W. EWING ST.
 SEATTLE, WA

Client: B.M.I. NW
 550 NORDIC WAY
 FERNDALE, WA

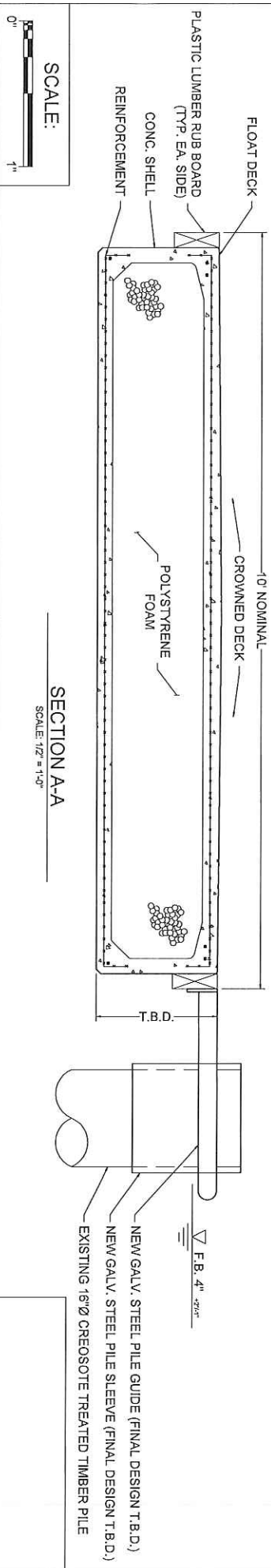
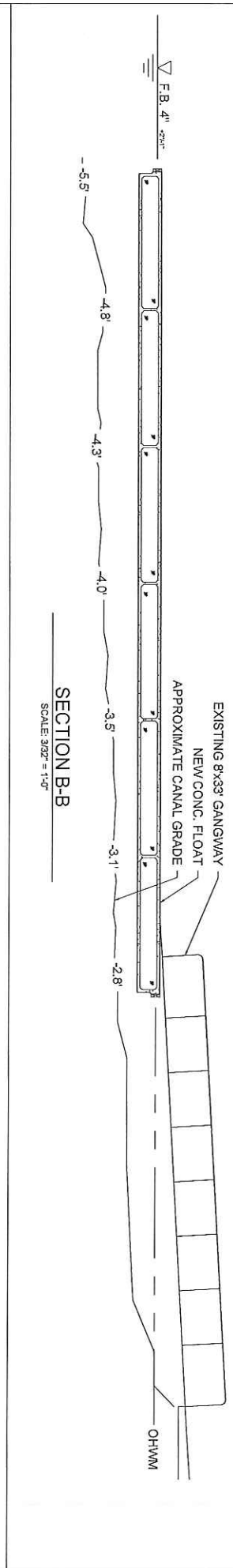
Project No.: 1701.03
 Date: 14 FEB. 2017
 Drawn: CSF
 Checked: CSF
 Scale: N.T.S.

Sheet Title: EXISTING DOCK AND PILE LAYOUT

S-1



1 PROPOSED DOCK LAYOUT
SCALE: 3/32" = 1'-0"



SCALE:
0' 1"

REFERENCE: SPU Crew Dock Repair
APPLICANT: Seattle Pacific University
ADJACENT PROPERTY OWNERS: NAME/LOT King County / NAME/LOT US Army Corps of Engineers
LOCATION: 322 W. Ewing St.
LAT/LONG: 47° 39' 09.4"N / 122° 21' 41.0"W
PAGE: 4 OF 4
DATE: 03/09/17
PROPOSED PROJECT: Remove existing 10x60' (nominal) dock & replace in like kind.
LOT: # DIV: # PLAT: ## #
SEC: 23E TWP: 25 RANGE: 3
CITY: Seattle
COUNTY: King
NEAR/AT: Lake Washington Ship Canal
STATE: WA