WASHINGTON STATE
Joint Aquatic Resources Permit Application (JARPA) Form[1,2] [help]

US Army Corps of Engineers Seattle District

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

AGENCY USE ONLY

Date received:

Agency reference #: JUL 5 2017

Tax Parcel #(s):

NWS-2017-573

Part 1–Project Identification

1. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [help]
Point Julia South Boat Ramp Replacement Project

Part 2–Applicant

The person and/or organization responsible for the project. [help]

2a. Name (Last, First, Middle)			
McCollum, Paul			
2b. Organization (If applicable)			
Port Gamble S'Klallam Tribe, Natural Resources Director			
2c. Mailing Address (Street or PO Box)			
31912 Little Boston Road N.E.			
2d. City, State, Zip			
Kingston, Washington, 98346			
2e. Phone (1)	**2f.** Phone (2)	**2g.** Fax	**2h.** E-mail
(360)297-6288			paulm@pgst.nsn.us

[1] Additional 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.

[2] To 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)			
Loving, Ahmis			
3b. Organization (If applicable)			
Loving Engineering & Consulting, P.S. Inc.			
3c. Mailing Address (Street or PO Box)			
P.O. Box 13			
3d. City, State, Zip			
Port Gamble, WA 98364			
3e. Phone (1)	**3f.** Phone (2)	**3g.** Fax	**3h.** E-mail
(360) 471-6975			ahmis@lovingengineering.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.

☐ 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)			
Port Gamble S'Klallam Tribe, Attn: Sullivan, Jeromy			
4b. Organization (If applicable)			
Port Gamble S'Klallam Tribe, Tribal Chairman			
4c. Mailing Address (Street or PO Box)			
31912 Little Boston Road N.E.			
4d. City, State, Zip			
Kingston, Washington, 98346			
4e. Phone (1)	**4f.** Phone (2)	**4g.** Fax	**4h.** E-mail
(360) 297-6243			jeromys@pgst.nsn.us

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]

☐ Private
☐ Federal
☐ Publicly owned (state, county, city, special districts like schools, ports, etc.)
☒ Tribal
☐ 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]

End of Point Julia Road, south side; no street address

5c. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]

Kingston, Washington, 98346

5d. County [help]

Kitsap County

5e. Provide the section, township, and range for the project location. [help]

¼ Section	Section	Township	Range
SW	5	27N	2E

5f. Provide the latitude and longitude of the project location. [help]

- Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83)

47.854831 N lat / -122.575525 W long.

5g. List the tax parcel number(s) for the project location. [help]

- The local county assessor's office can provide this information.

052702-1-001-2005 USA in Trust Port Gamble S'Klallam

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)
Gordon Cultum	PO Box 85 Kingston, Washington 98346	322802-4-024-2008

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

A tidally influenced wetland is located to the north of the project site.

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

Hood Canal, Port Gamble Bay

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]

A small creek as well as salt marsh and wetland are located upland of the existing boat ramp, but separated from the ramp by a paved access road and gravel parking area.

Small quantities of *Ulva* were observed at the mid tidal zone in the vicinity of the existing ramp. Eelgrass beds are located waterward of the project location.

5m. Describe how the property is currently used. [help]

The Point Julia area is used by tribal members for subsistence shellfish harvesting and fishing, recreation and cultural activities. Tribal fishers use the existing boat ramp to access commercial fishing. Boat drivers use one of two existing boat ramps, one located on the northern margin of the Point and one located on the southern margin of the Point. There is a gravel parking lot and turnaround access located between the two ramps.

5n. Describe how the adjacent properties are currently used. [help]

Adjacent property use is primarily tribal residential. A fish hatchery is located on the eastern margin of Point Julia. Tribal government and services are located nearby on Little Boston Road NE.

South of Point Julia and within Port Gamble bay there are finfish aquaculture operations, including a tribal hatchery and fish net pens. The shoreline is also used for shellfish harvesting. Across the entrance of Port Gamble Bay is the old Port Gamble mill site which has recently undergone environmental cleanup.

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

There is a covered recreational building, in good condition, east of the project location. Water service is available at this structure.

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

From NE State Hwy 104, head North on Hansville Rd NE. Turn left onto NE Little Boston Rd, pass the tribal government office, turn left onto Boston Ln NE, turn left onto Point Julia Road, and drive approximately 0.2 miles to the end of the paved road. The project is located on the left, on the southern margin of Point Julia.

Part 6–Project Description

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

The project includes the removal of an existing concrete, slab-on-grade boat launch ramp and construction of a dual-lane, pile-supported, boat launch ramp and center floating dock.

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

The boat ramp provides essential access for tribal commercial fishing and harvesting, access to aquaculture and access to cultural and recreational activities. The new ramp will provide an optimal launching angle and increase usability during tidal fluctuation. The pile supported ramp decreases the environmental impacts to the beach habitat compared to the existing concrete slab-on-grade ramp. In removing the existing boat ramp and replacing it with an elevated ramp, this project will restore the forage fish spawning habitat and sediment transport along the beach.

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]

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

☐ 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.

Sheet piles will be driven around the project extents either from a barge or land based crane. Sheet piles will provide a coffer dam for dewatering, demolition of the existing boat ramp and construction of the new pile supported ramp. The existing ramp will be demolished and removed using mechanical construction equipment. Ramp supporting piles will be driven to depth and cut to length. Concrete forms will be placed for the new concrete pile caps and supporting beam. Following placement of the pile caps/supporting beams, forms will be placed for the elevated concrete ramp. Following curing and stripping of forms, the sheet pile coffer dam will be removed. Float piles will be driven in openings in the deck designed to allow some flexure of the float piles due to movement of the floats. The floats will be connected to the concrete abutment on the ramp and secured to the float piles. Floats will be capable of being seasonally removed as desired by the tribal community.

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: 7/16/2018 End Date: 10/14/2019 ☐ See JARPA Attachment D

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

$2,500,000

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

- If yes, list each agency providing funds.

☐ Yes ☒ No ☐ Don't know

Part 7–Wetlands: Impacts and Mitigation

☐ Check here if there are wetlands or wetland buffers on or adjacent to the project area.
(If there are none, skip to Part 8.) [help]

7a. Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. [help]

☒ Not applicable

The project will take place on the south end of Point Julia, opposite the tidally influenced wetland. A road and gravel parking area separate the project from the wetland. There are no anticipated impacts to wetlands.

The work corridor will include the upland areas of the site for staging, the footprint of the existing boat ramp, and 10 feet on either side of the proposed boat ramp. This is the minimum area necessary to complete the work.

7b. Will the project impact wetlands? [help]

☐ Yes ☒ No ☐ Don't know

7c. Will the project impact wetland buffers? [help]

☐ Yes ☒ No ☐ Don't know

7d. Has a wetland delineation report been prepared? [help]

- If Yes, submit the report, including data sheets, with the JARPA package.

☐ Yes ☒ No

7e. Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? [help]

- **If Yes**, submit the wetland rating forms and figures with the JARPA package.

☐ Yes ☒ No ☐ Don't know

7f. Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? [help]

- **If Yes**, submit the plan with the JARPA package and answer 7g.
- **If No, or Not applicable**, explain below why a mitigation plan should not be required.

☐ Yes ☒ No ☐ Don't know

Not Applicable: No work within or immediately adjacent to wetlands is proposed.

7g. Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [help]

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]

Part 8–Waterbodies (other than wetlands): Impacts and Mitigation

In Part 8, "waterbodies" refers to non-wetland waterbodies. (See Part 7 for information related to wetlands.) [help]

☒ Check here if there are waterbodies on or adjacent to the project area. (If there are none, skip to Part 9.)

8a. Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment. [help]

☐ Not applicable

Best Management Practices from the Stormwater Management Manual for Western Washington, issued by the Washington State Department of Ecology in August 2001 and updated in August 2012, will be implemented on the project site during construction. No hazardous materials of any sort will be introduced to the site. Stockpiles will be covered and surrounded by erosion control facilities to prevent turbid water from entering the bay.

Disturbance of intertidal areas adjacent to the boat ramp during construction will be minimized. Clean-up will include removing any debris generated during construction from the site. Any vegetation immediately next to the existing boat ramp and located within buffers will be transplanted to a suitable location.

A sheet pile coffer dam may be placed around the work area to facilitate demolition and construction and prevent marine waters from coming into contact with uncured concrete. The concrete pumping truck will remain upland of the MHHW mark or on the ramp itself for construction.

8b. Will your project impact a waterbody or the area around a waterbody? [help]

☒ Yes ☐ No

8c. Have you prepared a mitigation plan to compensate for the project's adverse impacts to non-wetland waterbodies? [help]

- **If Yes,** submit the plan with the JARPA package and answer 8d.
- **If No, or Not applicable,** explain below why a mitigation plan should not be required.

☒ Yes ☐ No ☐ Don't know

Construction practices listed above and conservation measures described in the Biological Evaluation provide additional protection of the waters of the US. Eelgrass located within the 25-buffer of the project will be transplanted to areas of similar elevation adjacent to the proposed facility. *Please refer to the attached Biological Evaluation for more details.*

8d. Summarize what the mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan.

- If you already completed 7g you do not need to restate your answer here. [help]

The mitigation plan utilizes all reasonable and available design parameters to minimize impacts to the surrounding environment.

8e. Summarize impact(s) to each waterbody in the table below. [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
Concrete ramp (area elevated above beach surface waterward of MHHW)	Port Gamble Bay	S. Point Julia	Permanent	N/A ramp is supported by piles and elevated above the beach	10,032 sq. ft.
Concrete ramp (area on beach	Port Gamble Bay	S. Point Julia	Permanent	48 c.y.	648 sq. ft.

surface)					
Dock (area elevated above beach surface)	Port Gamble Bay	S. Point Julia	Permanent	N/A dock is floating above beach surface	141 sq. ft. (Note: open grating area is not included)
Pile supports, Ramp	Port Gamble Bay	S. Point Julia	Permanent	115 c.y.	78 sq. ft.
Pile supports, Dock	Port Gamble Bay	S. Point Julia	Permanent	4 c.y.	6 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]

Replace concrete ramp: After construction of the cofferdam and dewatering, piles will be driven and the ramp/dock will be constructed on the piles. A bulkhead will be constructed at either end of the ramp.

Place riprap: Riprap will be used in locations vulnerable to erosion at the landward bulkhead, which connects the elevated ramp to the upland parking area and access road. The amount of material placed above the MHHW is estimated to be approximately 20 cubic yards of large angular rock. No rock will be placed waterward of MHHW.

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]

Removal of the existing concrete slab-on-grade boat ramp will be completed using hydraulic excavators and attachments. All work will be completed within the sheet pile coffer dam. All concrete rubble and debris will be removed and waste hauled to a permitted site. Native sand and gravel beach materials will remain within the beach area. Excavation necessary for the end of the ramp pile caps/supporting beams will be stockpiled and returned to the beach area following construction.

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

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]

- 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/.

☒ Yes ☐ No

Many 303(d) parameters are listed in Port Gamble Bay, due to the environmental remediation activities located on the western and central portions of the Bay. Parameters are too numerous to list here, but include: Dissolved oxygen, temperature, chrysene, indeno(1,2,3-cd) pyrene, arsenic and mercury.

9c. What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [help]

- Go to http://cfpub.epa.gov/surf/locate/index.cfm to help identify the HUC.

17110018 Hood Canal

9d. What Water Resource Inventory Area Number (WRIA #) is the project in? [help]

- Go to http://www.ecy.wa.gov/water/wria/index.html to find the WRIA #.

15

9e. Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [help]

- Go to http://www.ecy.wa.gov/programs/wq/swqs/criteria.html for the standards.

☐ Yes ☐ No ☒ Not applicable – Tribal Water Quality Standards apply

9f. If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [help]

- 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.

☐ Urban ☐ Natural ☐ Aquatic ☐ Conservancy ☒ Other: Tribal Land

9g. What is the Washington Department of Natural Resources Water Type? [help]

- Go to http://www.dnr.wa.gov/forest-practices-water-typing for the Forest Practices Water Typing System.

☒ Shoreline ☐ Fish ☐ Non-Fish Perennial ☐ Non-Fish Seasonal

9h. Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? [help]

- If No, provide the name of the manual your project is designed to meet.

☒ Yes ☐ No

Name of manual: 2012 Stormwater Management Manual for Western Washington, as amended 12/2014

9i. Does the project site have known contaminated sediment? [help]

- If Yes, please describe below.

☐ Yes ☒ No

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

The property has previously been used for recreation, cultural activities, shellfish harvest, fishing and commercial boat access.

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

- If Yes, attach it to your JARPA package.

☐ Yes ☒ No

However, the PGST THPO has prepared a letter of concurrence for the project (See attached).

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]

Listed and proposed species in the project action area include: Puget Sound Chinook, Hood Canal summer run Chum, nearshore rockfish, deepwater rockfish, and southern resident killer whale. *Potential impacts to and habitat use by these species in the action area is addressed in more detail in Section III: Effect Analysis of Proposed Action of the attached Biological Evaluation.*

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]

Priority listed vertebrate species located within the vicinity of the project area includes: Coast Resident Cutthroat Trout and Harbor Seal. All three species of forage fish (Sand Lance, Herring, and Smelt) are known to spawn in Port Gamble Bay, including the beach where the boat ramp is located. Priority listed invertebrate species occurring within the action area includes: Geoduck, Hardshell Clams, and Oysters. *Please refer to Section II: Habitat and Species Information of the attached Biological Evaluation for more details.*

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?

_____

☐ Other: _____

☒ SEPA is pre-empted by federal law. All work is within Tribal lands.

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): _____

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 # _____
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. _____ (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. _____ (initial)

Paul McCollum — Applicant Printed Name

Applicant Signature

6-12-17 — 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.

ATHOS LOVING, President — Authorized Agent Printed Name
LOVING ENGINEERING

Authorized Agent Signature

6/9/17 — 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.

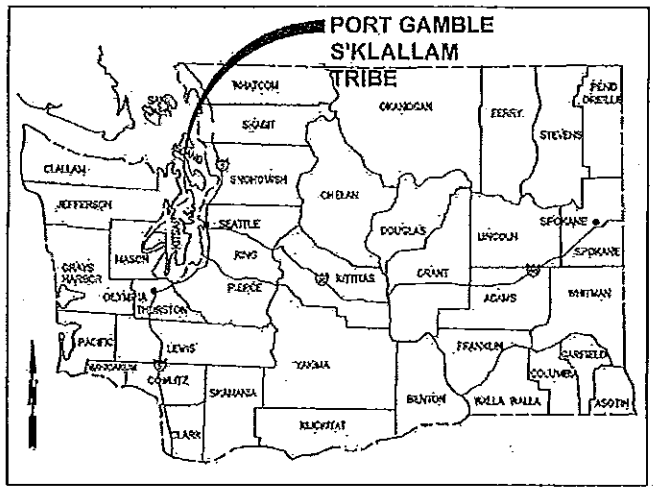
Jeromy Sullivan — Property Owner Printed Name

Property Owner Signature

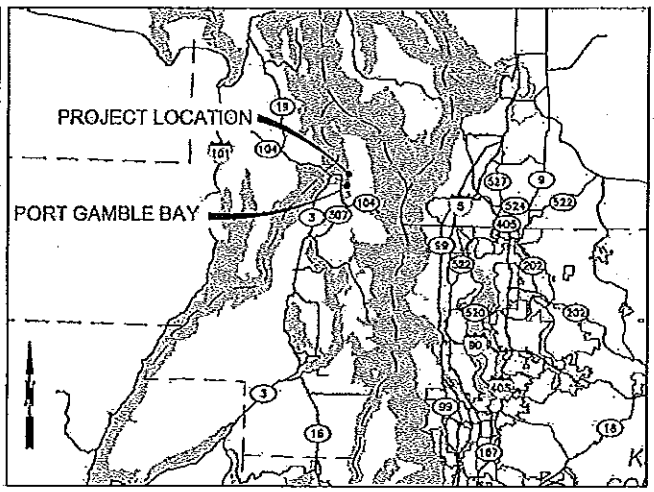
06-13-2017 — Date

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



VICINITY MAP
NTS



AREA MAP
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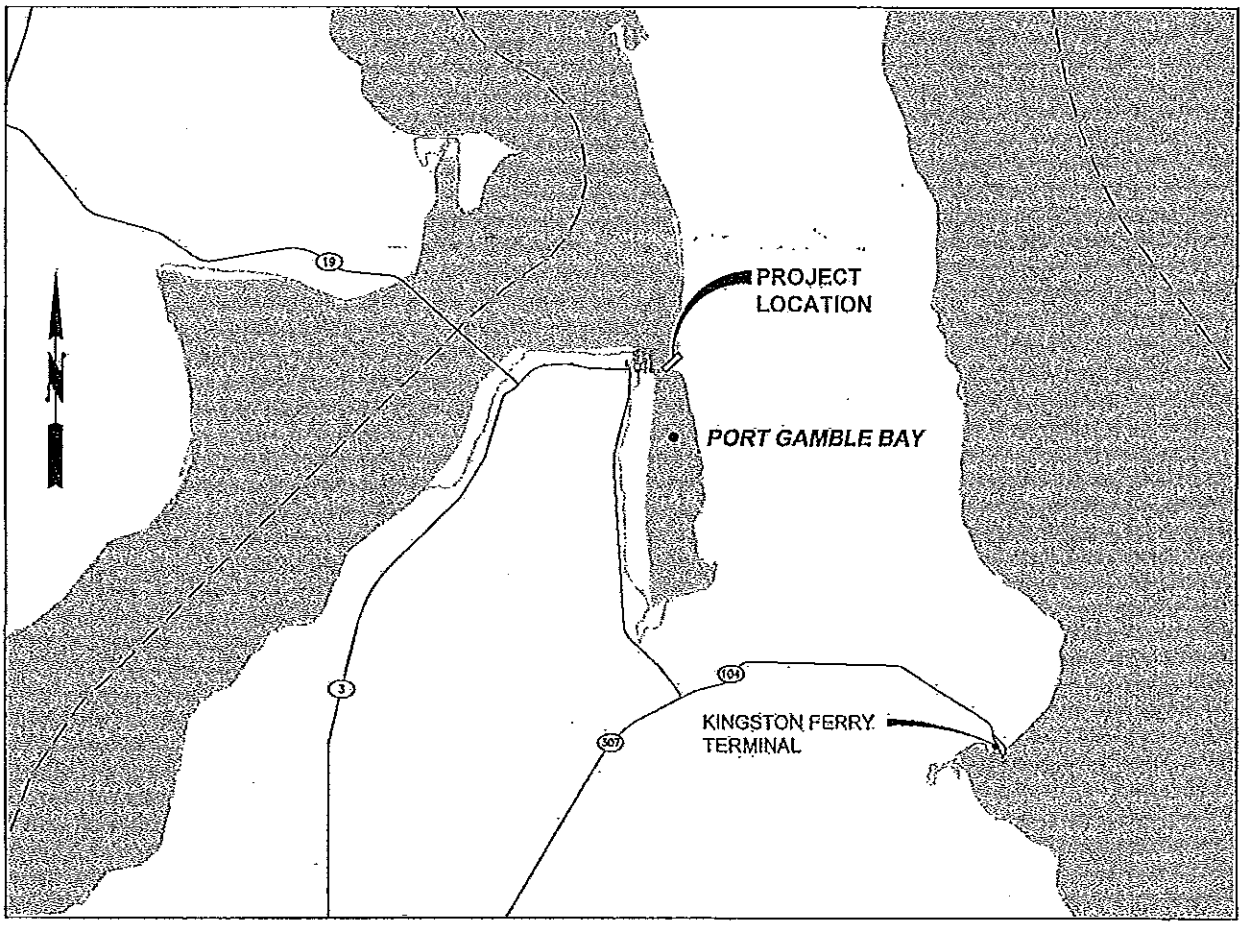

LOCATION MAP
SCALE: 1"=2 MILES

PURPOSE: Replace Existing Boat Ramp DATUM: NAVD 88 NAD 83 (91) ADJACENT PROPERTY OWNER: 1. Gordon Cultum	NAME: South Boat Ramp Replacement REFERENCE# NWS 2017-573 SITE LOCATION ADDRESS: Lat. 47° 51' 20.60" N Long. 122° 34' 31.61" W	PROPOSED WORK: Remove on-grade ramp and replace with elevated boat ramp IN NE Bank of Port Gamble Bay NEAR: Port Gamble COUNTY: Kitsap STATE: WA SHEET: 1 of 8 DATE: APRIL 18, 2017

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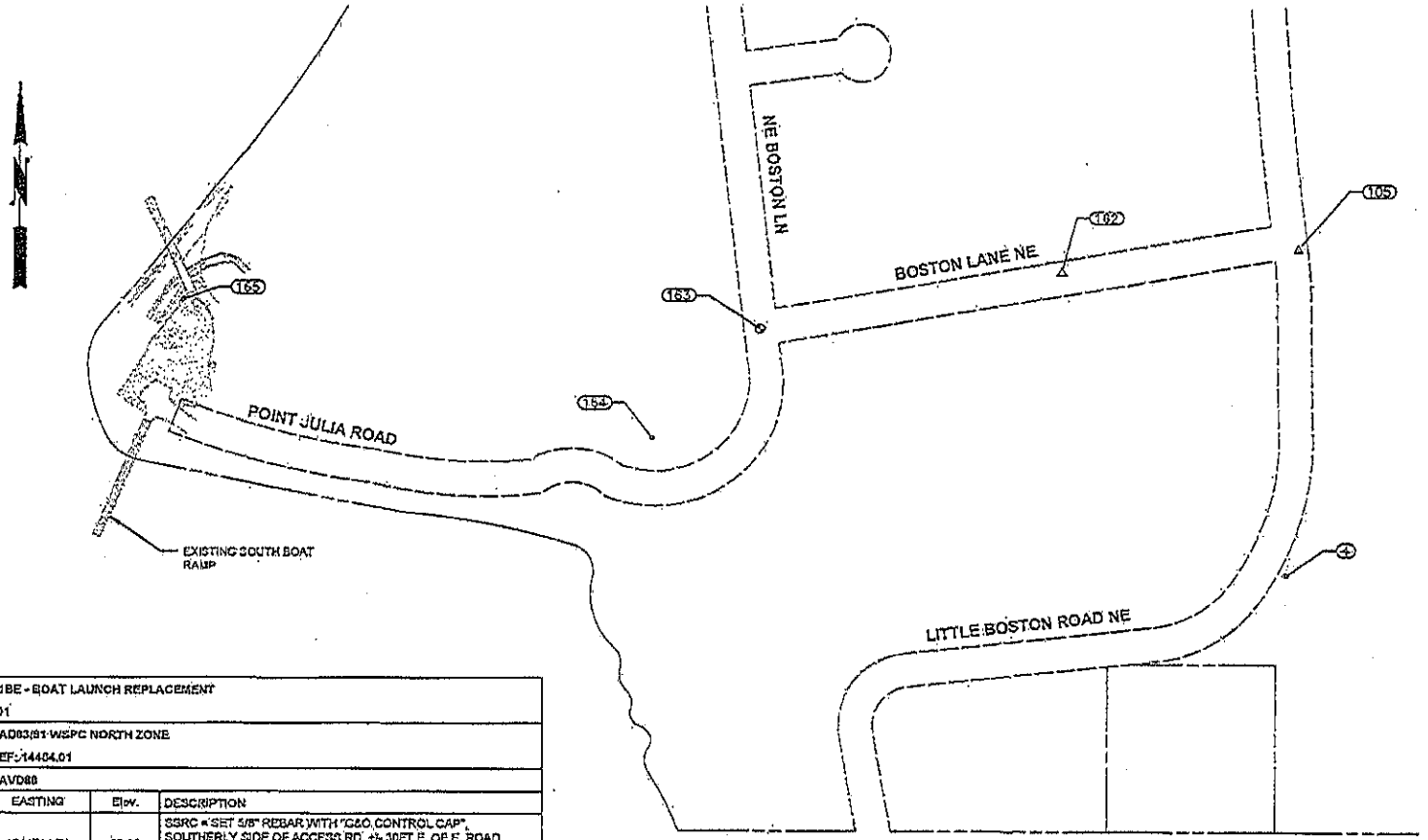
File: M:\Port Gamble S'Klallam Tribe\15614.01 South Boat Ramp\03 Design\Figures\SURVEY CONTROL.dwg Printed: Apr 18, 2017 – 14:28:48



PORT GAMBLE S'KLALLAM TRIBE - BOAT LAUNCH REPLACEMENT				
JOB NUMBER - 5'15614-15614.01				
Horizontal Datum:	NAD83/91 WSPC NORTH ZONE			
	REF: 14404.01			
Vertical Datum:	NAVD88			
POINT	NORTHING	EASTING	Elev.	DESCRIPTION
4	316390.49	1214714.74	83.22	SSRC = SET 5/8" REBAR WITH "G&O CONTROL CAP", SOUTHERLY SIDE OF ACCESS RD, +/- 30FT E. OF E. ROAD EDGE ASPHALT, LITTLE BOSTON RD, 20.2FT N. OF WATER FIRE HYDRANT WITH TEE.
105	316961.37	1214734.70	85.62	SSNT=SET MAG NAIL WITH TAG STAMPED "G&O CONTROL," AT E. EDGE OF ASPHALT OF LITTLE BOSTON ROAD, +/- EXTENDED ROAD WALK BACK FROM BOSTON LANE N.E., AT S. SIDE OF N. ENTRANCE TO CHURCH LOT.
162	316921.99	1214320.64	80.14	SSNT, N. SIDE INTX. W. ENTRANCE TO NE TIDEWIND LOOP AND BOSTON LANE NE. 1' S. OF N. EDGE OF PAVEMENT
163	316823.33	1213794.63	73.21	SFMC=FOUND MONUMENT IN CASE, CL INTX OF NE BOSTON LANE & BOSTON LANE NE, 1 3/4" DOMED BRASSY W/ PUNCH, DOWN 0.45' IN CASE.
164	316630.23	1213607.80	70.69	SSRC, ON W. EDGE BLUFF @ JAKE JONES PARK, 10' N/NW OF N/NW SIGN POST FOR PARK.
165	316573.91	1212792.33	11.80	SSRC, AT N. BOAT LAUNCH, 3.20' SW OF SW CORNER OF ECOLOGY BLOCK @ SW CORNER OF BRIDGE
166	316642.23	1212783.25	11.25	SSNT, 4' N OF S EDGE OF ASPHALT, ~50' E OF S. BOAT RAMP

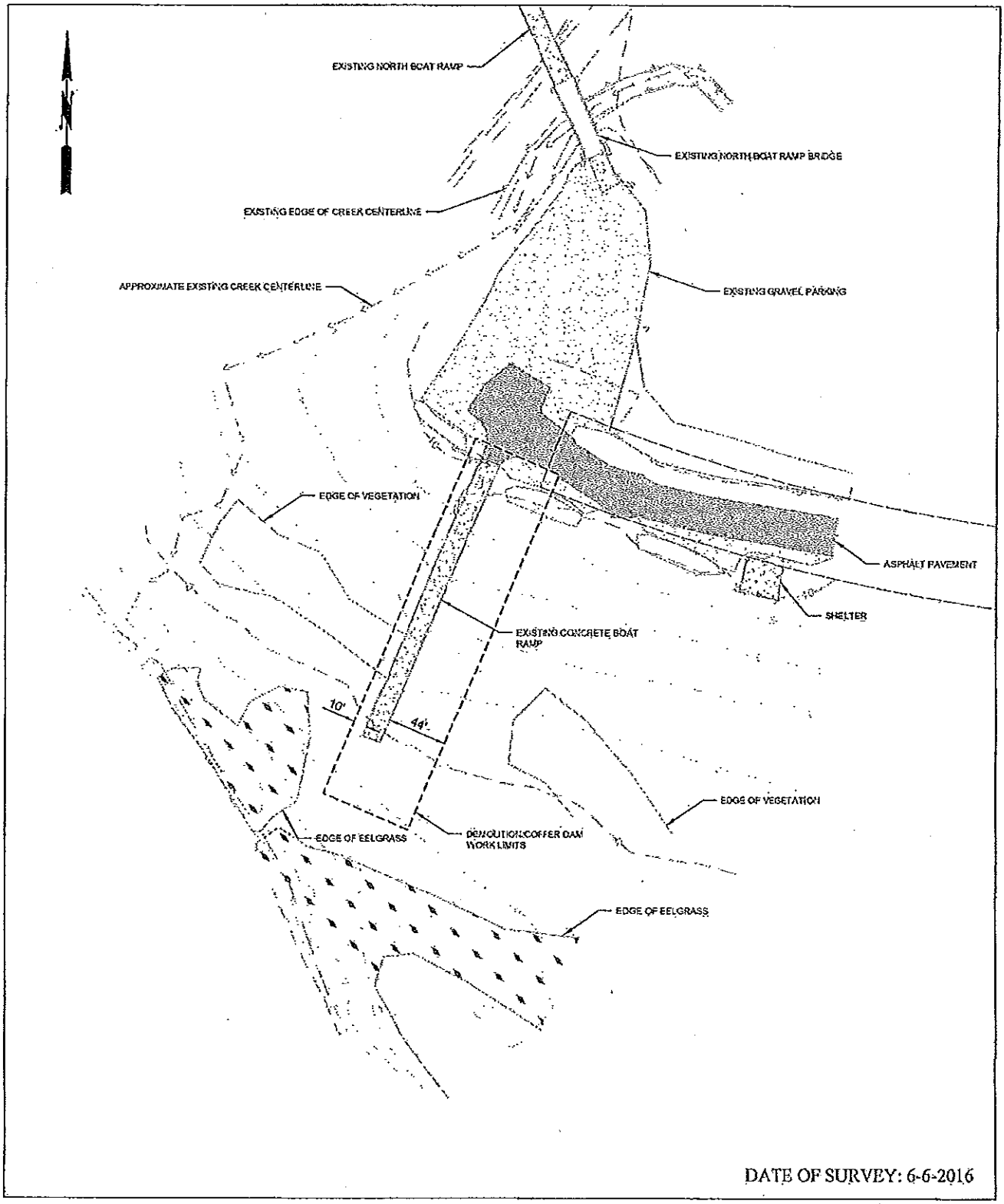
SURVEY CONTROL PLAN

300' 150' 0 300' 600'

SCALE: 1"=300'

Reference Number: NWS 2017-573
Application Name: Port Gamble S'Klallam Tribe
Proposed Project: Remove on-grade ramp and replace with elevated boat ramp
Location: Point Julia

Sheet 2 of 8 **Date:** APRIL 18, 2017



DATE OF SURVEY: 6-6-2016

DEMOLITION/COFFER DAM PLAN

100' 50' 0 100' 200'
SCALE: 1"=100'

Eelgrass survey completed by Marine Surveys and Assesments, Inc. June 2016

Reference Number: NWS 2017-573
Application Name: Port Gamble S'Klallam Tribe
Proposed Project: Remove on-grade ramp and replace with elevated boat ramp
Location: Point Julia

Sheet 3 of 8 **Date:** APRIL 18, 2017

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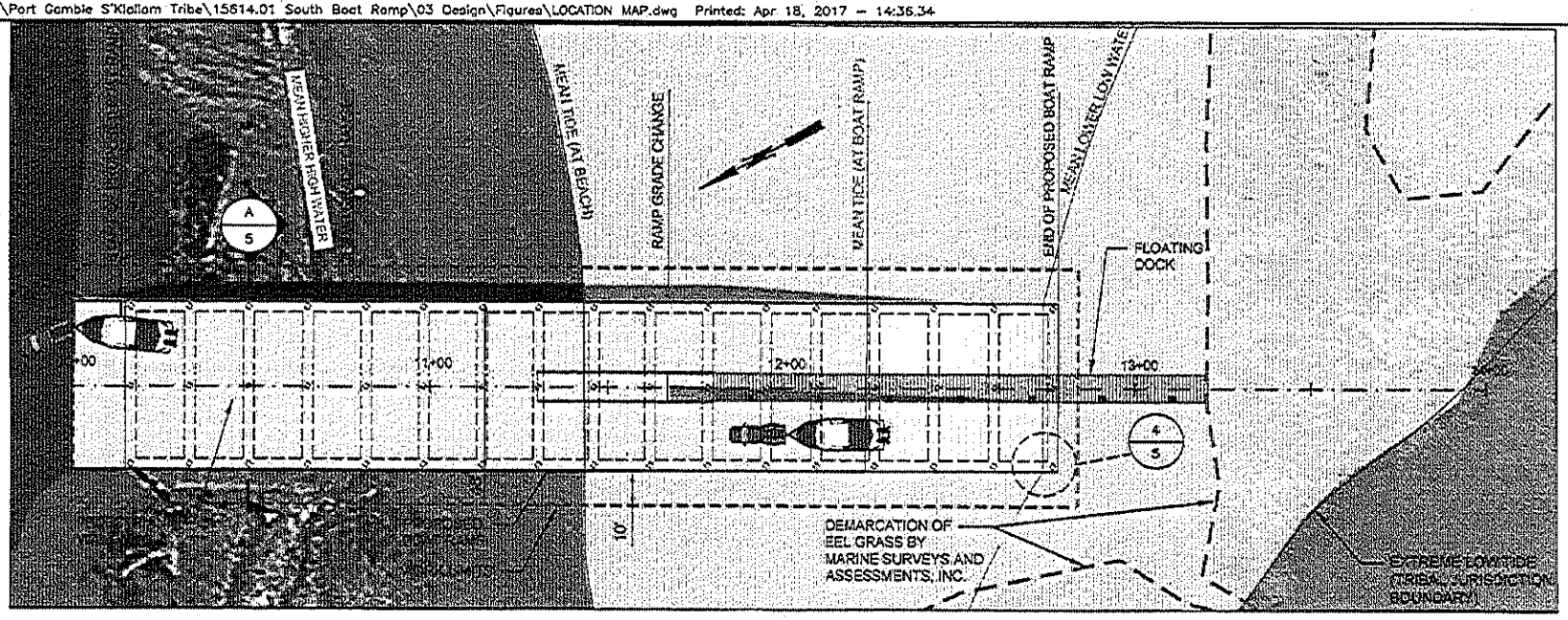
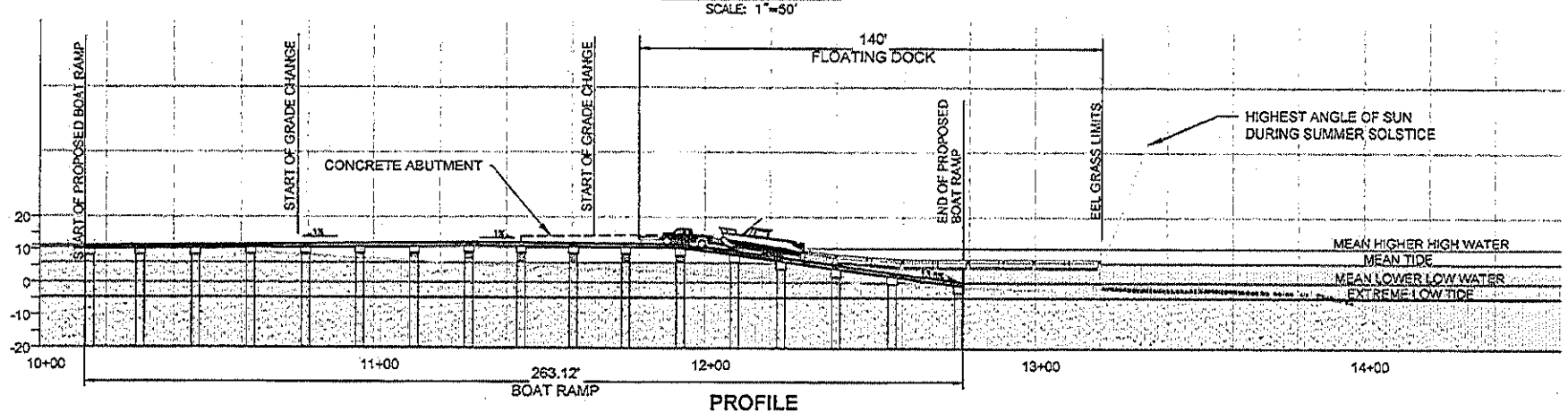


PROPOSED PLAN
SCALE: 1"=50'



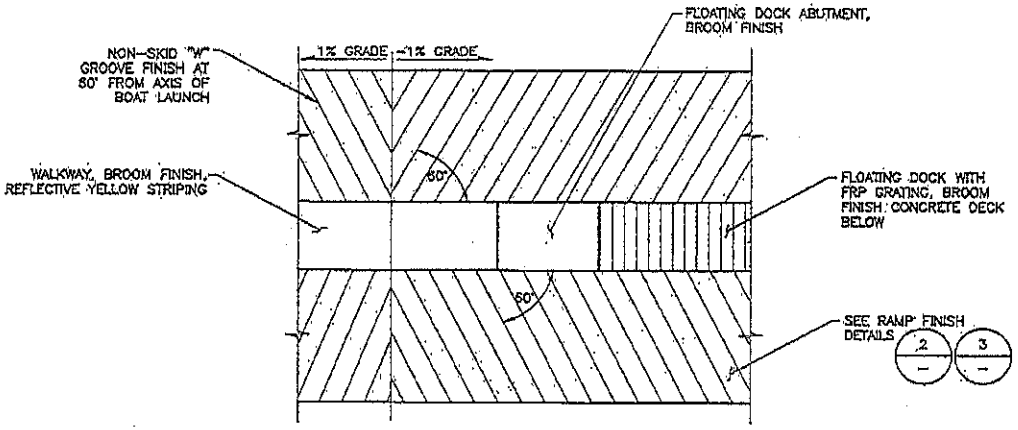
PROFILE
SCALE: 1"=50'

50' 25' 0 50' 100'
SCALE: 1"=50'

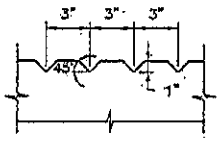
TIDE ELEVATION DATA			
	STATION	NAVD 88	MLLW
MEAN HIGHER HIGH WATER	10+67.7	8.44	10.30
MEAN HIGH WATER	—	7.54	9.40
MEAN TIDE	11+43.9	4.19	6.05
MEAN LOW WATER	—	0.84	2.70
MEAN LOWER LOW WATER	12+78.0	−1.86	0.00
EXTREME LOW TIDE	13+93.1	−6.36	−4.5

Reference Number: NWS 2017-573
Application Name: Port Gamble S'Klallam Tribe
Proposed Project: Remove on-grade ramp and replace with elevated boat ramp
Location: Point Julia

Date: APRIL 18, 2017

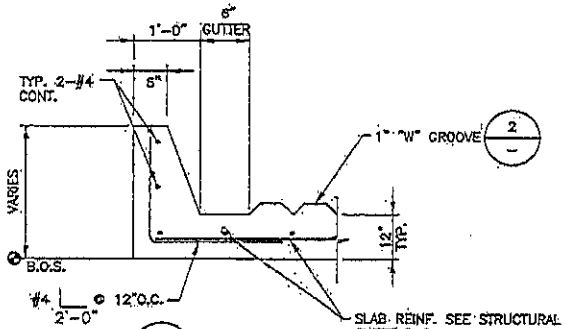


1 — BOAT RAMP DETAIL
NTS

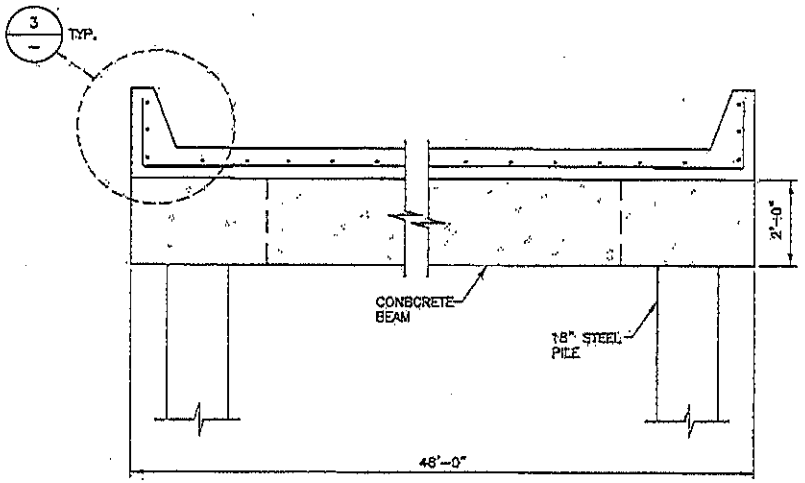


NOTE:
1. CONTRACTOR SHALL OBTAIN GROOVE FINISHING TOOLS.

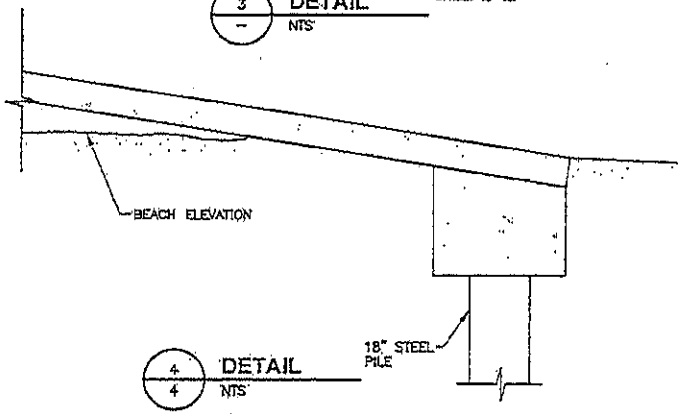
2 — BOAT RAMP "W" GROOVE FINISH DETAIL
NTS



3 — DETAIL
NTS



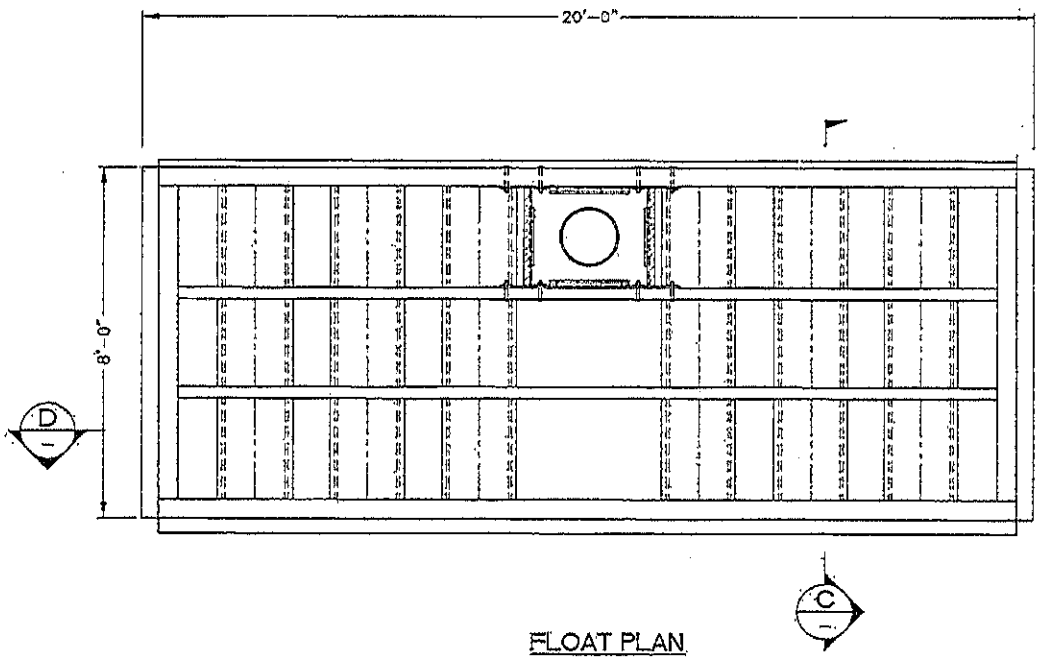
A — SECTION
NTS



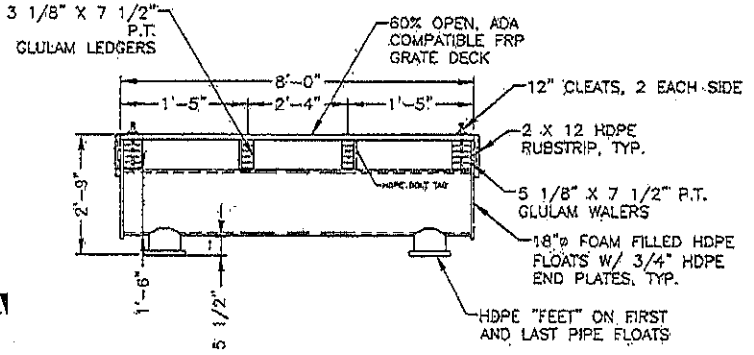
4/4 — DETAIL
NTS

Reference Number: NWS 2017-573
Application Name: Port Gamble S'Klallam Tribe
Proposed Project: Remove on-grade ramp and replace with elevated boat ramp
Location: Point Julia

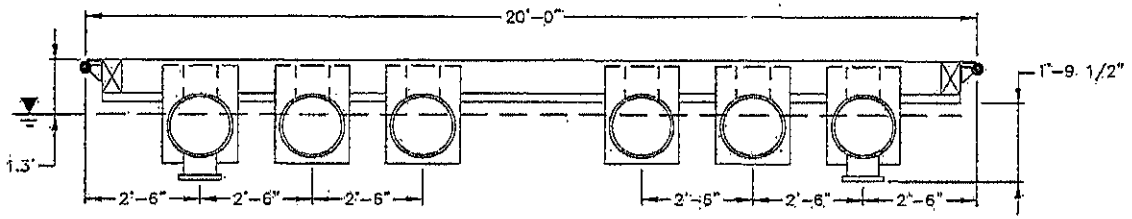
Sheet 5 of 8 **Date:** APRIL 18, 2017



FLOAT PLAN



C SECTION
DOCK, WALKWAY AND END FLOAT



D SECTION
8 X 20' FLOAT

Reference Number: NWS 2017-573
Application Name: Port Gamble S'Klallam Tribe
Proposed Project: Remove on-grade ramp and replace with elevated boat ramp
Location: Point Julia

Sheet 6 of 8 **Date:** APRIL 18, 2017

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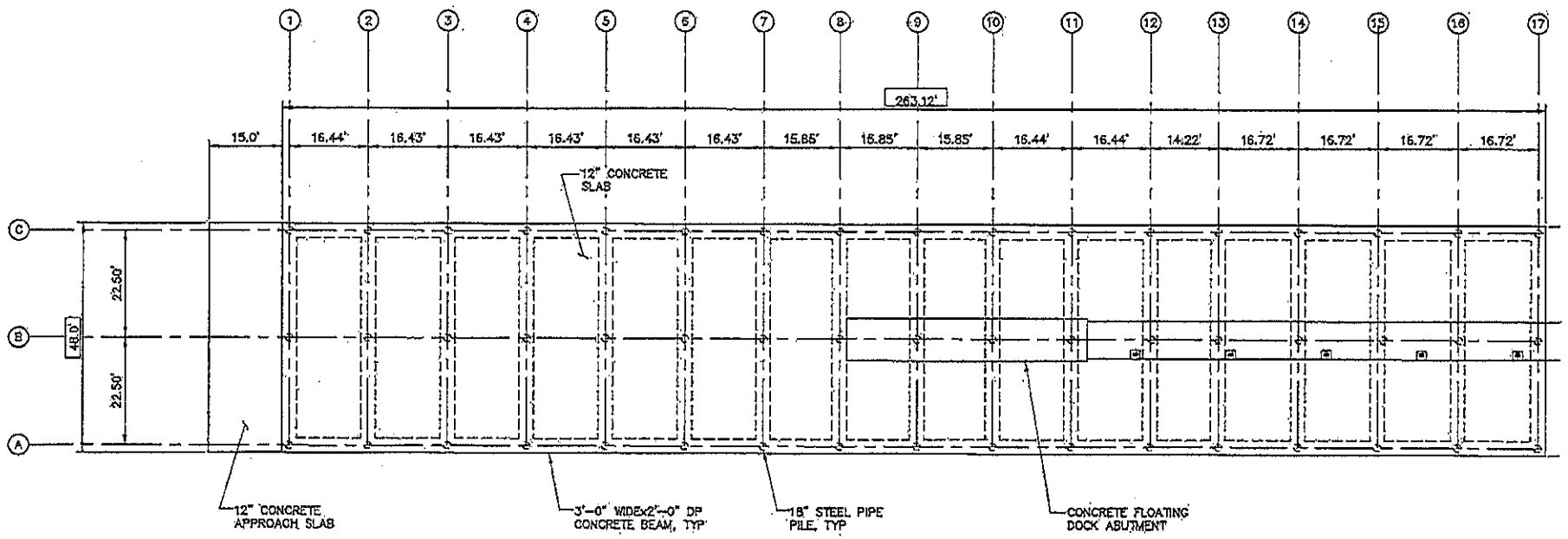

STRUCTURAL PLAN

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

Reference Number: NWS 2017-573
Application Name: Port Gamble S'Klallam Tribe
Proposed Project: Remove on-grade ramp and replace with elevated boat ramp
Location: Point Julia

Sheet 7 of 8 **Date:** APRIL 18, 2017

GENERAL STRUCTURAL NOTES

GENERAL
THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY. USE DETAIL MARKED "TYPICAL" WHEREVER APPLICABLE. CHANGES, OMISSIONS OR SUBSTITUTIONS ARE NOT PERMITTED WITHOUT WRITTEN APPROVAL OF THE ENGINEER. REFER TO THE SPECIFICATIONS FOR FURTHER REQUIREMENTS. DO NOT SCALE THE DRAWINGS.

ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2012 EDITION OF THE INTERNATIONAL BUILDING CODE.

THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND HAS NOT BEEN CONSIDERED BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL PROVIDE THE NECESSARY BRACING TO PROVIDE STABILITY OF THE STRUCTURE.

THE GENERAL NOTES APPLY TO ALL STRUCTURES UNLESS NOTED OTHERWISE (U.N.O.). LOCATION AND SIZE OF ANCHOR BOLTS FOR SPECIFIC EQUIPMENT SHALL BE SPECIFIED BY THE VENDOR. CONTRACTOR SHALL COORDINATE LOCATIONS OF STRUCTURAL OPENINGS, PENETRATIONS AND EMBEDDED ITEMS WITH THE MECHANICAL, ARCHITECTURAL, ELECTRICAL, PLUMBING AND VENTILATION SECTIONS OF THE DRAWINGS AND WITH SUPPLIERS AND SUBCONTRACTORS AS MAY BE REQUIRED.

SPECIAL INSPECTION & TESTING
SPECIAL INSPECTIONS SHALL MEET THE REQUIREMENTS OF IBC CHAPTER 17.
OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH APPROVED DRAWINGS AND SPECIFICATIONS.

FURNISH INSPECTION REPORTS TO THE BUILDING DEPARTMENT AND ENGINEER. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION; THEN, IF NOT CORRECTED, TO THE BUILDING DEPARTMENT AND ENGINEER. SUBMIT A FINAL REPORT STATING THE WORK WAS IN CONFORMANCE WITH THE APPROVED DRAWINGS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF IBC.

SPECIAL INSPECTION REQUIRED:
CONCRETE: IN ACCORDANCE WITH SECTION 1705.3 AND TABLE 1705.3
SOIL: IN ACCORDANCE WITH SECTION 1705.6 AND TABLE 1705.6

SHOP DRAWINGS
SHOP DRAWINGS, WHERE REQUIRED, SHALL BE CHECKED AND APPROVED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTING FOR ENGINEER REVIEW. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW OF DESIGN INTENT, PRIOR TO FABRICATION. GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION AND COORDINATION OF DIMENSIONS AND DETAILS FOR EACH SUBCONTRACTOR.

DESIGN LOADS
FOUNDATION DATA:
ALLOWABLE BEARING PRESSURE:.....1500 PSF

ABOVE ARE ASSUMED PER DATA PROVIDED.
CONTRACTOR MUST VERIFY IN FIELD.

CAST-IN-PLACE CONCRETE
CONCRETE RAMP SHALL HAVE THE FOLLOWING PROPERTIES:
28-DAY STRENGTH f'c=4,000 PSI
AIR ENTRAINMENT: 4%-6%
MAXIMUM SLUMP: 3"

SUBMIT MIX DESIGN FOR REVIEW AND PROVIDE NOT LESS THAN 6 SACKS OF CEMENT PER CUBIC YARD FOR ALL CONCRETE WITH MAXIMUM W/C=0.45.

IT IS ANTICIPATED THAT A HIGH-EARLY MIX DESIGN WILL BE NEEDED ON THIS JOB.

REINFORCING STEEL
WELDED WIRE FABRIC (W.W.F.): ASTM A82 AND A185
DEFORMED BARS: ASTM A615, GRADE 60 (GRADE 40 FOR #3).
UNLESS OTHERWISE NOTED ON THESE DRAWINGS, MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE AS FOLLOWS:
- CONCRETE CAST AGAINST SOIL=3".
- FORMED CONCRETE AGAINST SOIL=2".

REINFORCING SHALL BE FREE OF MUD, OIL, OR OTHER NONMETALLIC COATINGS THAT MAY DECREASE BOND.

WELDING OF REINFORCING BARS SHALL CONFORM TO ANSI/AWS D1.4.
WHERE PERMITTED, LOW HYDROGEN WELDING RODS SHALL BE USED FOR ALL WELDING OF REINFORCING BARS. SPECIAL INSPECTION IS REQUIRED FOR ALL FIELD WELDING.

SUBMIT SHOP DRAWINGS OF REINFORCING STEEL FOR REVIEW BY THE ENGINEER PRIOR TO FABRICATION. REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH ACI 315 AND 318 (LATEST EDITION).

ALL REINFORCING SHALL BE EPOXY COATED IN ACCORDANCE WITH ASTM A775.

Reference Number:	NWS 2017-573
Application Name:	Port Gamble S'Klallam Tribe
Proposed Project:	Remove on-grade ramp and replace with elevated boat ramp
Location:	Point Julia
Sheet 8 of 8	**Date:** APRIL 18, 2017

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