



US Army Corps
of Engineers
Alaska District

Public Notice of Application for Permit

Regulatory Division (1145)
CEPOA-RD
Post Office Box 6898
JBER, Alaska 99506-0898

PUBLIC NOTICE DATE:	March 18, 2020
EXPIRATION DATE:	April 20, 2020
REFERENCE NUMBER:	POA-2020-00102
WATERWAY:	Main Bay

Interested parties are hereby notified that a Department of the Army permit application has been received for work in waters of the United States (U.S.) as described below and shown on the enclosed project drawings.

All comments regarding this Public Notice (PN) should be sent to the address noted above. If you desire to submit your comments by email, you should send it to the Project Manager's email as listed below or to regpagemaster@usace.army.mil. All comments should include the PN reference number listed above.

All comments should reach this office no later than the expiration date of this PN to become part of the record and be considered in the decision. Please contact Estrella Campellone at (907) 753-2518, toll free from within Alaska at (800) 478-2712, by fax at (907) 753-5567, or by email at: Estrella.f.campellone@usace.army.mil if further information is desired concerning this notice.

APPLICANT: Lorraine Joy Vercessi, Alaska Department of Fish and Game; PO Box 115526; Juneau, Alaska 99811; (907) 465-6423; Lorraine.vercessi@alaska.gov

AGENT: Casey Pape, Prince William Sound Aquaculture Corporation (PWSAC); PO Box 1110; Cordova, Alaska 99574; (907) 424-4025; casey.pape@pwsac.com

LOCATION: The project site is located within Section 17, T.5 N., R. 8 E., Seward Meridian; USGS Quad Map Seward C-3; Latitude 60.5200° N., Longitude 148.0930° W.; to access the site by boat from Whittier travel west approximately 24 miles, then turn south for approximately 14 miles to the entrance of Main Bay, the proposed project is at approximately three miles from Bay's entrance, in Main Bay, Alaska.

SPECIAL AREA DESIGNATION: The proposed project is located at the Main Bay Hatchery is one of the largest salmon hatchery operations in Prince William Sound built by the Alaska Fish and Game in 1981 and operated by PWSAC since 1990s.

PURPOSE: The applicant's stated purpose is to replace the Main Bay Hatchery Dock because the current floating dock system and aluminum gangway are located such that moored vessels ground during low tide cycles; the gangway rests on dunnage and is chained to a concrete block with no secured connection to a foundation or dock.

PROPOSED WORK: The proposed project would construct a new 80-foot x 6-foot gangway, a 150-foot x 30-foot floating dock, and a concrete foundation consisting of a concrete retaining wall and a concrete abutment, which would to replace an existing damaged dock and old steel piling foundation. The concrete retaining wall would be constructed using 4-foot x 2-foot x 2-foot concrete blocks placed along the gangway's approach and the opening would be backfilled with clean compacted fill to finished landing elevation (approximately +17 feet). Salvaged riprap would be placed around the base of the new concrete abutment for erosion protection.

Old wooden dock, floats, and attached anchor systems would be removed by lifting/dragging with heavy equipment from a work barge or from shore; demolished components would be stored on-site uplands and disposed off-site during demobilization.

Quantities	Project Total	Below HTL** (Elev.=15.8 feet)	Below MHW** (Elev.=11 feet)	Below MLLW** (Elev.=0.00 foot)
Footprint*	0.13-acre	0.12-acre	0.11-acre	0.10-acre
Riprap Removal	25 cy	15 cy	5 cy	0
Gravel Excavation	45 cy	40 cy	10 cy	0
Riprap Fill	25 cy	15 cy	5 cy	0
Gravel Fill	50 cy	40 cy	10 cy	0

* Includes abutment, gangway and floating dock.

** HTL: High Tide Line; MHW: Mean High Water; MLLW: Mean Lower Low Water.

To support the new 150-foot x 30-foot floating dock, up to (12) 16-inch steel piles would be installed with a vibratory hammer or impact hammer if needed. If bedrock is found before minimum embedment depth, piles would be drilled and socketed.

Pile Type	Driving Method	Between HTL(15.8 feet) & MHW(11 feet)	Below MHW (11 feet)	Below MLLW (0.00 foot)
16-inch steel piles	Vibratory/Impact plus drilled/socketed (if needed)	0 piles	0 piles	Up to twelve (12) piles

Project is planned to occur in the fall prior to freeze up to avoid impact on commercial fishing and hatchery operations. All work would be performed in accordance with the enclosed plan (sheets 1-7), dated September 19, 2019.

ADDITIONAL INFORMATION: Water Quality Certification required.

APPLICANT PROPOSED MITIGATION: The applicant proposes the following mitigation measures to avoid, minimize, and compensate for impacts to waters of the U.S. from activities involving discharges of dredged or fill material.

a. Avoidance: Waters of the U.S. could not be entirely avoided because the project would require access to marine waters.

b. Minimization: Project construction has been scheduled for the fall prior to freeze up to limit impacts to fish hatchery and fishing activities.

c. Compensatory Mitigation: Footprint to jurisdictional waters below HTL is 0.12-acre. This project would benefit wildlife conservation as it supports PWSAC's mandate to support commercial fisheries while reducing pressures on natural fish population. The applicant did not propose compensatory mitigation.

WATER QUALITY CERTIFICATION: A permit for the described work will not be issued until a certification or waiver of certification, as required under Section 401 of the Clean Water Act (Public Law 95-217), has been received from the Alaska Department of Environmental Conservation.

CULTURAL RESOURCES: The latest published version of the Alaska Heritage Resources Survey (AHRs) has been consulted for the presence or absence of historic properties, including those listed in or eligible for inclusion in the National Register of Historic Places. There are no cultural resources in the permit area or within the vicinity of the permit area. The permit area has been determined to be the footprint of the project and the immediate vicinity. Consultation of the AHRs constitutes the extent of cultural resource investigations by the Corps of Engineers (Corps) at this time, and we are otherwise unaware of the presence of such resources. The Corps has made a No Potential to Cause Effects determination for the proposed project. Consultation with the State Historic Preservation Office (SHPO) is not required, however, any comments SHPO may have concerning presently unknown archeological or historic data that may be lost or destroyed by work under the requested permit will be considered in our final assessment of the described work.

ENDANGERED SPECIES: The project area is within the known or historic range of the endangered western Distinct Population Segment (DPS) Steller sea lion (*Eumetopias jubatus*), designated Steller sea lion critical habitat, the western north Pacific DPS humpback whale (*Megaptera novaeangliae*) or the threatened Mexico DPS humpback whale (*Megaptera novaeangliae*).

We are currently gathering information regarding these species and have yet to make a determination of effect. Should we find that the described activity may affect the species listed above, and/or their designated critical habitat, we will follow the appropriate consultation procedures under section 7 of the Endangered Species Act of 1973 (87 Stat. 844).

Any comments the U.S. Fish and Wildlife Service or the National Marine Fisheries Service (NMFS) may have concerning endangered or threatened wildlife or plants or their critical habitat will be considered in our final assessment of the described work.

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 project area is within the known range of the various species of salmon, including the 7.5 million of Sockeye salmon (*Oncorhynchus nerka*) annually raised and released by the Main Bay Hatchery. Trout and various species of rockfish are also found in Main Bay.

We are currently gathering information regarding these species and have yet to make a determination of effect. Should we find that the described activity may affect the species listed above, we will follow the appropriate course of action under Section 305(b)(2) of the Magnuson-Stevens Act. Any comments the National Marine Fisheries Service may have concerning essential fish habitat will be considered in our final assessment of the described work.

This PN initiates EFH consultation with the NMFS. Any comments or recommendations they may have concerning EFH will be considered in our final assessment of the described work.

TRIBAL CONSULTATION: The Alaska District fully supports tribal self-governance and government-to-government relations between Federally recognized Tribes and the Federal government. Tribes with protected rights or resources that could be significantly affected by a proposed Federal action (e.g., a permit decision) have the right to consult with the Alaska District on a government-to-government basis. Views of each Tribe regarding protected rights and resources will be accorded due consideration in this process. This PN serves as notification to the Tribes within the area potentially affected by the proposed work and invites their participation in the Federal decision-making process regarding the protected Tribal right or resource. Consultation may be initiated by the affected Tribe upon written request to the District Commander during the public comment period.

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, reasons for holding a public hearing.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity and its intended use on the public interest. Evaluation of the probable impacts, which the proposed activity may have on the public interest, requires a careful weighing of all the factors that become relevant in each particular case. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments.

The outcome of the general balancing process would determine whether to authorize a proposal, and if so, the conditions under which it will be allowed to occur. The decision should reflect the national concern for both protection and utilization of important resources. All factors, which may be relevant to the proposal, must be considered including the cumulative effects thereof. Among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore 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. For activities involving 404 discharges, a permit will be denied if the discharge that would be authorized by such permit would not comply with the Environmental Protection Agency's 404(b)(1) guidelines. Subject to the preceding sentence and any other applicable guidelines or criteria (see Sections 320.2 and 320.3), a permit will be granted unless the District Commander determines that it would be contrary to the public interest.

The Corps is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this proposal. 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 proposed activity.

AUTHORITY: This permit will be issued or denied under the following authorities:

(X) Perform work in or affecting navigable waters of the United States – Section 10 Rivers and Harbors Act 1899 (33 U.S.C. 403).

(X) Discharge dredged or fill material into waters of the United States – Section 404 Clean Water Act (33 U.S.C. 1344). Therefore, our public interest review will consider the guidelines set forth under Section 404(b) of the Clean Water Act (40 CFR 230).

Project drawings and a Notice of Application for State Water Quality Certification are enclosed with this Public Notice.

District Commander
U.S. Army, Corps of Engineers

Enclosures

STATE OF ALASKA

DEPT. OF ENVIRONMENTAL CONSERVATION
DIVISION OF WATER

Wastewater Discharge Authorization Program (WDAP) / 401 Certification

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
WDAP/401 CERTIFICATION
555 CORDOVA STREET
ANCHORAGE, ALASKA 99501-2617
PHONE: (907) 269-6285 | EMAIL: dec-401cert@alaska.gov

NOTICE OF APPLICATION FOR STATE WATER QUALITY CERTIFICATION

Any applicant for a federal license or permit to conduct an activity that might result in a discharge into navigable waters, in accordance with Section 401 of the Clean Water Act of 1977 (PL95-217), also must apply for and obtain certification from the Alaska Department of Environmental Conservation that the discharge will comply with the Clean Water Act, the Alaska Water Quality Standards, and other applicable State laws. By agreement between the U.S. Army Corps of Engineers and the Department of Environmental Conservation, application for a Department of the Army permit to discharge dredged or fill material into navigable waters under Section 404 of the Clean Water Act also may serve as application for State Water Quality Certification.

Notice is hereby given that the application for a Department of the Army Permit described in the Corps of Engineers' Public Notice (PN) Reference Number **POA-2020-00102, Main Bay**, serves as application for State Water Quality Certification from the Department of Environmental Conservation.

After reviewing the application, the Department may certify there is reasonable assurance the activity, and any discharge that might result, will comply with the Clean Water Act, the Alaska Water Quality Standards, and other applicable State laws. The Department also may deny or waive certification.

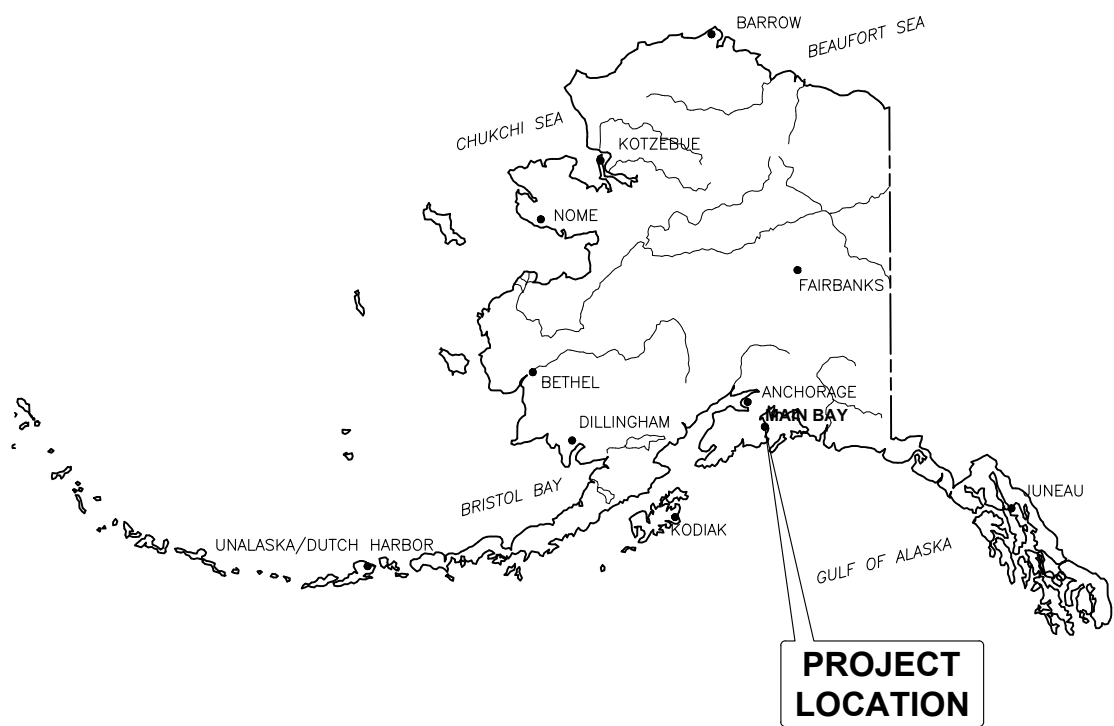
Any person desiring to comment on the project with respect to Water Quality Certification, may submit written comments to the address above or via email to dec-401cert@alaska.gov by the expiration date of the Corps of Engineer's Public Notice. All comments should include the PN reference number listed above. Mailed comments must be postmarked on or before the expiration date of the public notice.

Disability Reasonable Accommodation Notice

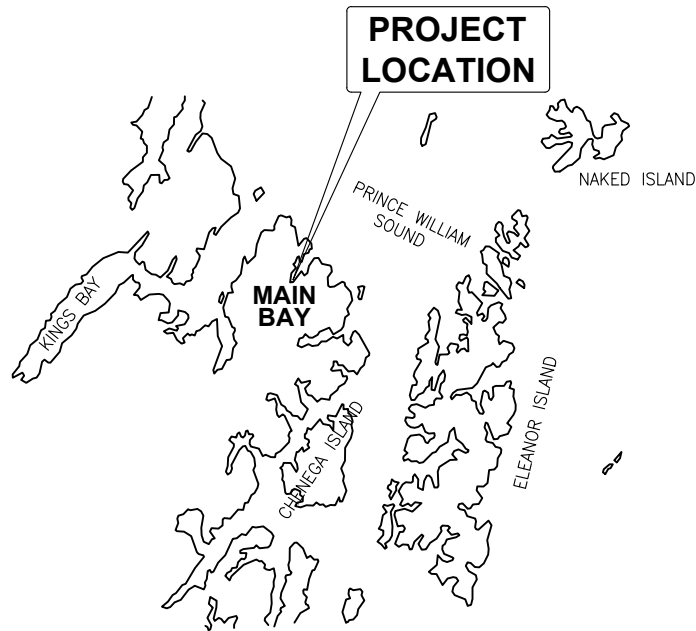
The State of Alaska, Department of Environmental Conservation complies with Title II of the Americans with Disabilities Act of 1990. If you are a person with a disability who may need special accommodation in order to participate in this public process, please contact Kate Orozco at 907-465-6171 or TDD Relay Service 1-800-770-8973/TTY or dial 711 within 5 days of the expiration date of this public notice to ensure that any necessary accommodations can be provided.

MAIN BAY DOCK FACILITY REPLACEMENT

MAIN BAY, ALASKA
SEPTEMBER 2019



STATE OF ALASKA



MAIN BAY VICINITY

SHEET INDEX

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35% DRAWING SET
9/13/19

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REV	DATE	DESCRIPTION

DATE: _____

1506 West 36th Avenue
Anchorage, Alaska 99503
Phone: 907.561.1011
www.pndengineers.com
AK. LIC# AECC250



MAIN BAY DOCK REPLACEMENT

POA-2020-00102, Tongass Narrows

DESIGNED BY:	LI	DATE:	9/13/2019
CHECKED BY:	CC	PROJECT NO:	191133

SHEET NO: **1** OF 7

NOTES

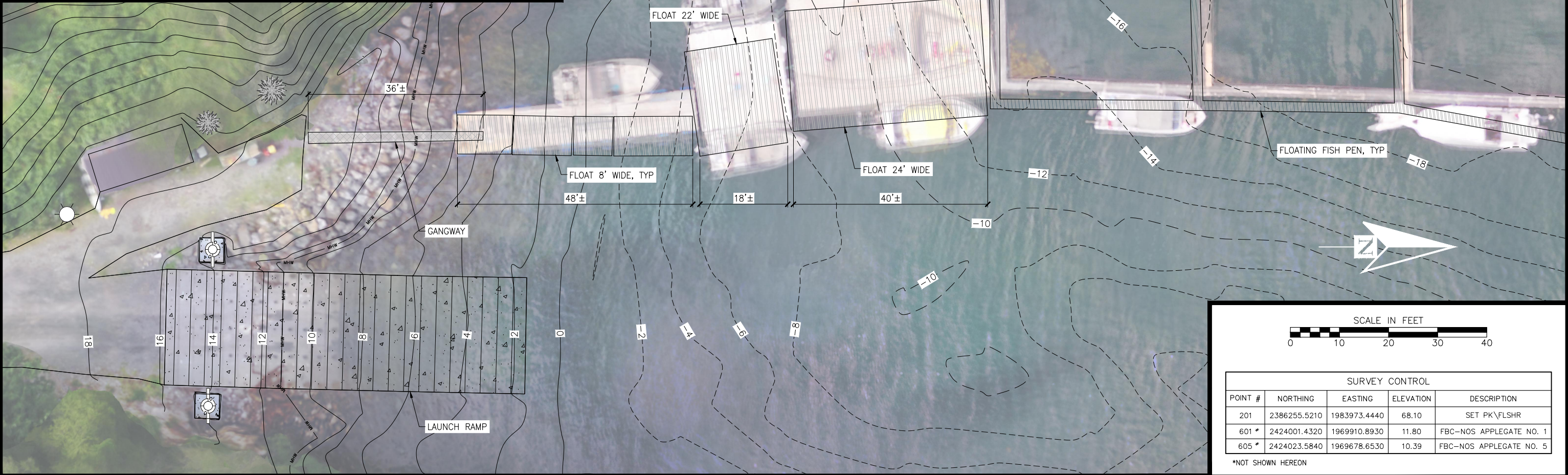
1. BASIS OF COORDINATES FOR THIS SURVEY ARE NAD 83, ALASKA STATE PLANE ZONE 4 IN U.S. SURVEY FEET, DERIVED FROM GNSS STATIC OBSERVATION, PROCESSED UTILIZING NATIONAL GEODETIC SOCIETY'S (NGS) ONLINE USER POSITIONING SERVICE (OPUS) TO DETERMINE THE FOLLOWING COORDINATES FOR POINT NUMBER 201:
N=2386255.395
E=1983973.447
2. THE VERTICAL CONTROL FOR THIS SURVEY IS MEAN LOWER LOW WATER (MLLW) AS DETERMINED BY TIME COORDINATED TIDAL OBSERVATIONS ON AUGUST 15, 2019 AS EXTRAPOLATED FROM THE NOAA PUBLICATION FOR THE PREDICTIONS OF HIGH AND LOW WATER FOR 2019. POINT NUMBER 201 WAS DETERMINED TO HAVE THE FOLLOWING ELEVATION (MLLW):

ELEV: 68.10' US. FEET.
3. THE FIELD SURVEY WAS PERFORMED AUGUST 15, 2019, BY PND ENGINEERS.
4. ALL DIMENSIONS AND COORDINATES ARE IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED.
5. THIS SURVEY WAS COMPLETED USING GNSS SURVEY TECHNIQUES, AS WELL AS CONVENTIONAL SURVEYING TECHNIQUES. REAL TIME KINEMATIC (RTK) OBSERVATIONS WERE STORED USING TRIMBLE R8 MODEL 4, GNSS RECEIVERS. BATHYMETRIC DATA WAS COLLECTED USING AN OHMEX HYDROLITE SINGLE BEAM TRANSDUCER IN CONJUNCTION WITH THE AFOREMENTIONED RTK RECEIVERS.
6. CONTOURS ARE IN FEET, WITH TWO FOOT INTERVALS.
7. NO TITLE SEARCH WAS PREPARED FOR THIS SURVEY. EASEMENTS AND ENCUMBRANCES MAY EXIST THAT ARE NOT SHOWN HEREON.
8. IMAGERY SHOWN HEREON IS COURTESY OF PND ENGINEERS, COLLECTED AUGUST 15, 2019 UTILIZING UNMANNED AERIAL VEHICLE PHOTOGRAMMETRIC TECHNIQUES.
9. PORTIONS OF LINEWORK SHOWN HEREON, SPECIFICALLY ABOVE-GROUND STRUCTURES AND GRAVEL LIMITS SOUTH OF THE BOAT RAMP AREA, HAVE BEEN DEPICTED UTILIZING AERIAL PHOTOGRAPHY. THIS LINEWORK IS FOR GRAPHICAL REPRESENTATION ONLY, AND SHOULD NOT BE USED UTILIZED FOR CONSTRUCTION, LEGAL, OR OTHER PURPOSES.

LEGEND

- GPS PRIMARY GPS CONTROL
- LUMINAIRE
- MOORING BOLLARD
- LARGE CONIFEROUS TREE
- BUILDING LINE
- GRAVEL SHOULDER
- UNDERGROUND PIPELINE (TYP)
- EXISTING CONTOUR & ELEVATION
- CONCRETE
- DOCK/FLOAT

TIDAL DATUMS	
DATUM	ELEVATION
MLLW	0.00'
MLW	1.48'
MHW	11.18'
MHHW	12.10'
NAVD88	-1.77'



35% DRAWING SET
9/13/19

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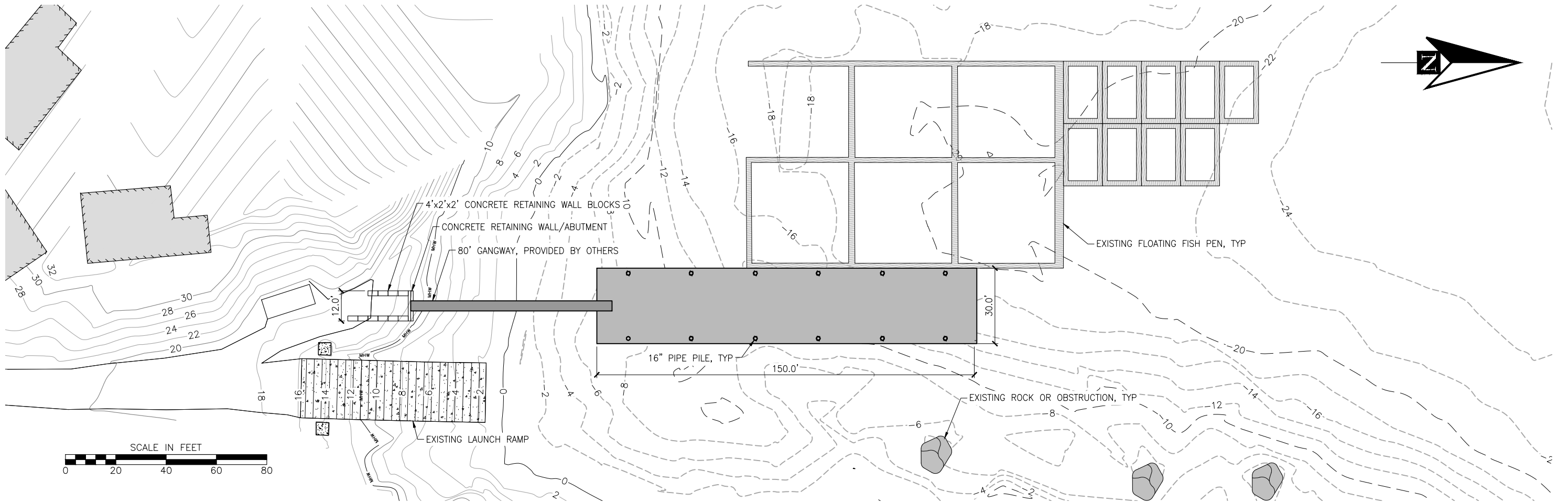


SURVEY CONTROL			
POINT #	NORTHING	EASTING	ELEVATION
201	2386255.5210	1983973.4440	68.10
601 *	2424001.4320	1969910.8930	11.80
605 *	2424023.5840	1969678.6530	10.39

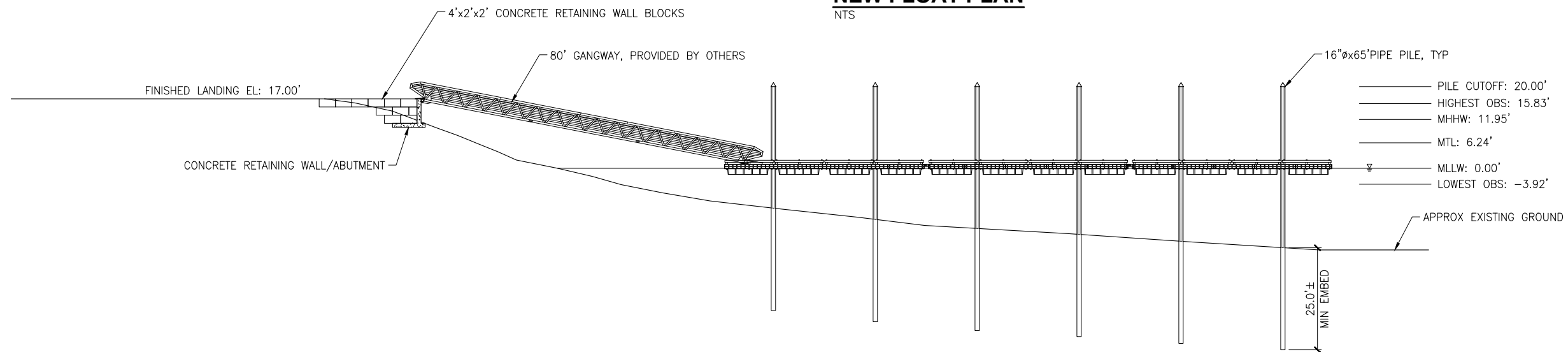
*NOT SHOWN HEREON

MAIN BAY DOCK EXISTING DOCK			
POA-2020-00102, Tongass Narrows			
DESIGNED BY:	LI	DATE:	9/13/2019
CHECKED BY:	CC	PROJECT NO:	191133

SHEET NO: **2** OF 7



NEW FLOAT PLAN
NTS



NEW FLOAT PROFILE
NTS

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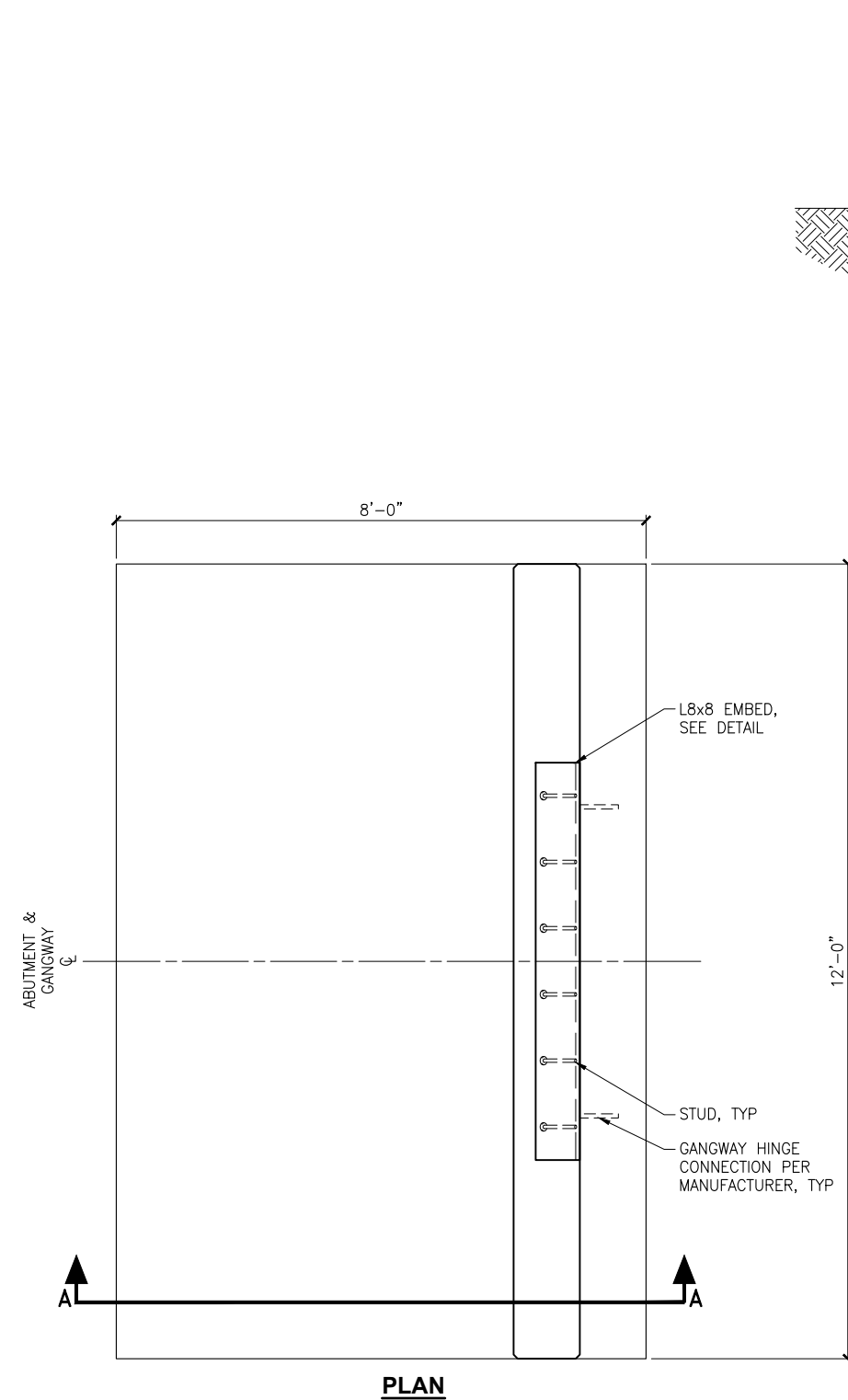
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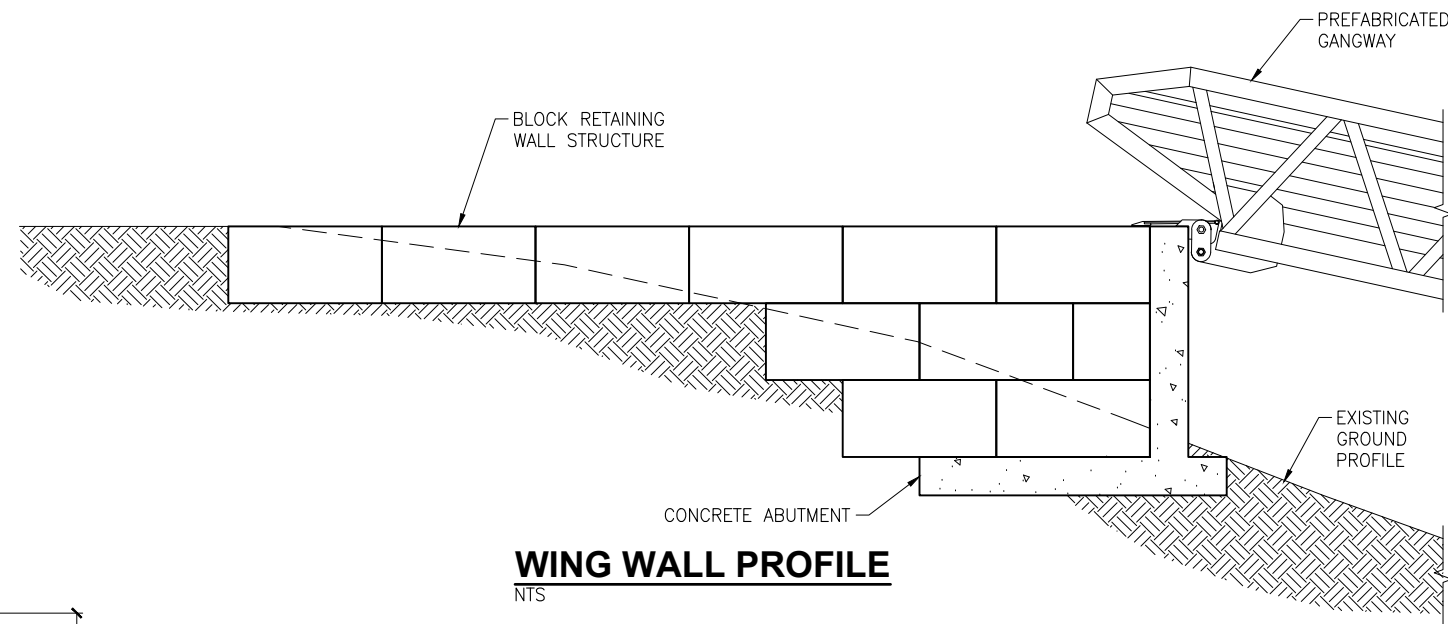


PROJECT:			
MAIN BAY DOCK REPLACEMENT			
TITLE: POA-2020-00102, Tongass Narrows NEW FLOAT PLAN AND PROFILE			
DESIGNED BY:	LI	DATE:	9/13/2019
CHECKED BY:	CC	PROJECT NO:	191133
SHEET NO:			3 OF 7

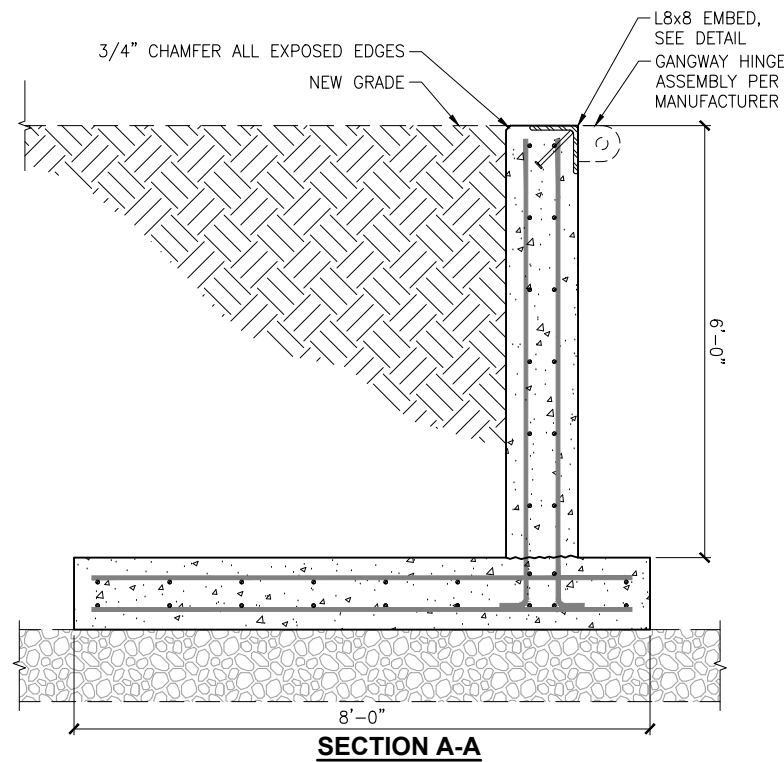


PLAN

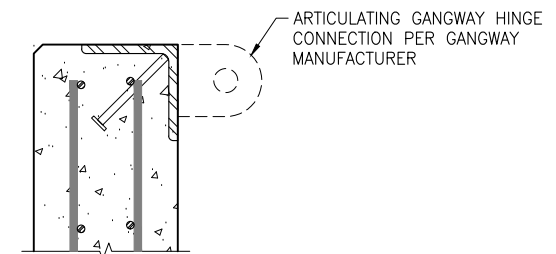
ABUTMENT
NTS



NTS



SECTION A-A



EMBED DETAIL
NTS

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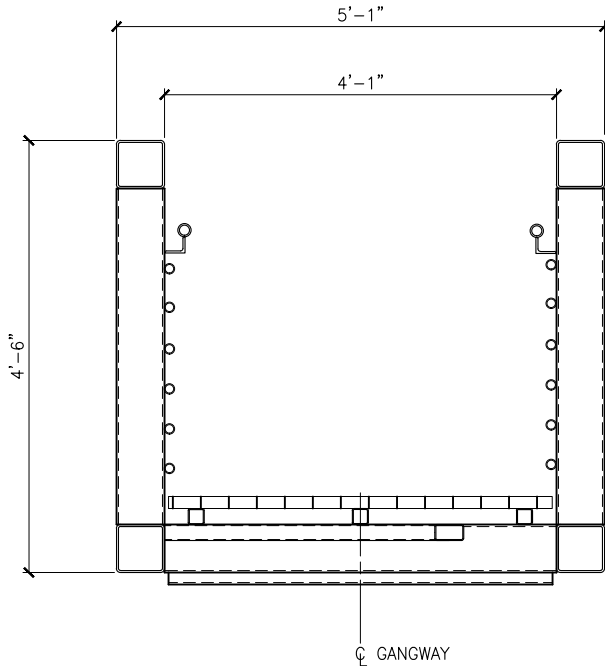
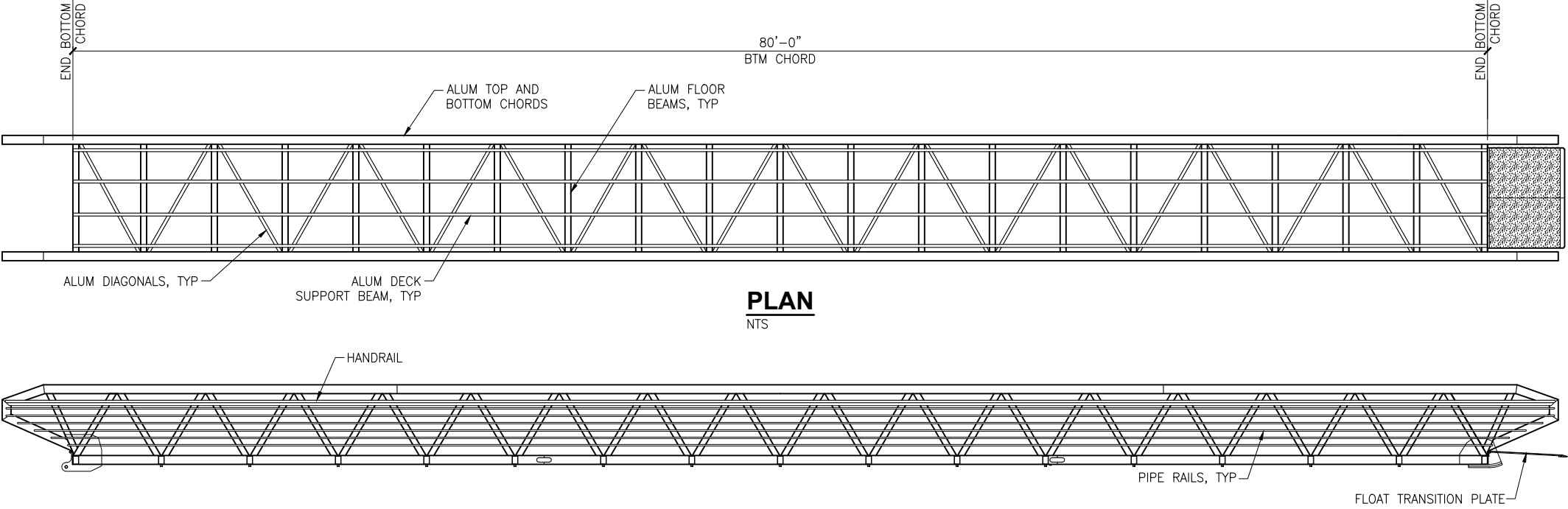


MAIN BAY DOCK REPLACEMENT

PROJECT: POA-2020-00102, Tongass Narrows
ABUTMENT DETAILS

DESIGNED BY: LI	DATE: 9/13/2019
CHECKED BY: CC	PROJECT NO: 191133

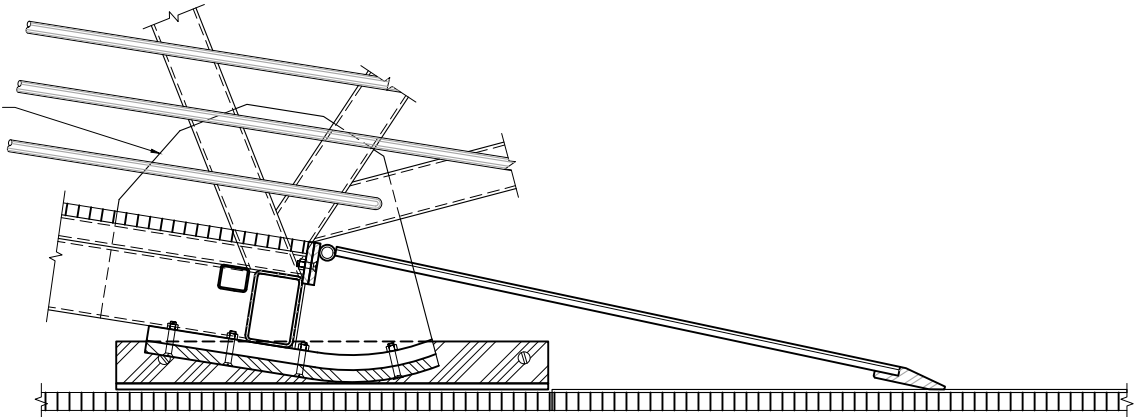
SHEET NO: **4** OF 7



- GENERAL NOTES:
- 1. NO TENSION SPLICES IN MIDDLE THIRD OF GANGWAY.
 - 2. CHORD SPLICE LOCATIONS SHOWN FOR ILLUSTRATION ONLY. ACTUAL LOCATIONS SHALL BE SUBMITTED BY FABRICATOR FOR ENGINEER APPROVAL.
 - 3. TOP AND BOTTOM CHORD SPLICES SHALL BE STAGGERED 5-FT MIN.
 - 4. PROVIDE CAMBER OF 2" AT MID-SPAN.
 - 5. ALL MATERIALS SHALL BE ALUMINUM UNLESS OTHERWISE NOTED.
 - 6. PROVIDE WEEP HOLES AT DOWNHILL END OF ALL CHORD TUBES AND DECK BEAM TUBES. FABRICATOR SHALL SUBMIT HOLE LOCATIONS TO ENGINEER FOR APPROVAL.

SECTION
NTS

CROSS SECTION
NTS



SKID ASSEMBLY/TRANSITION PLATE SECTION
NTS

NOTE: CONCEPT DRAWINGS FOR REFERENCE ONLY, GANGWAY MANUFACTURER TO PROVIDE DETAIL DRAWINGS

35% DRAWING SET
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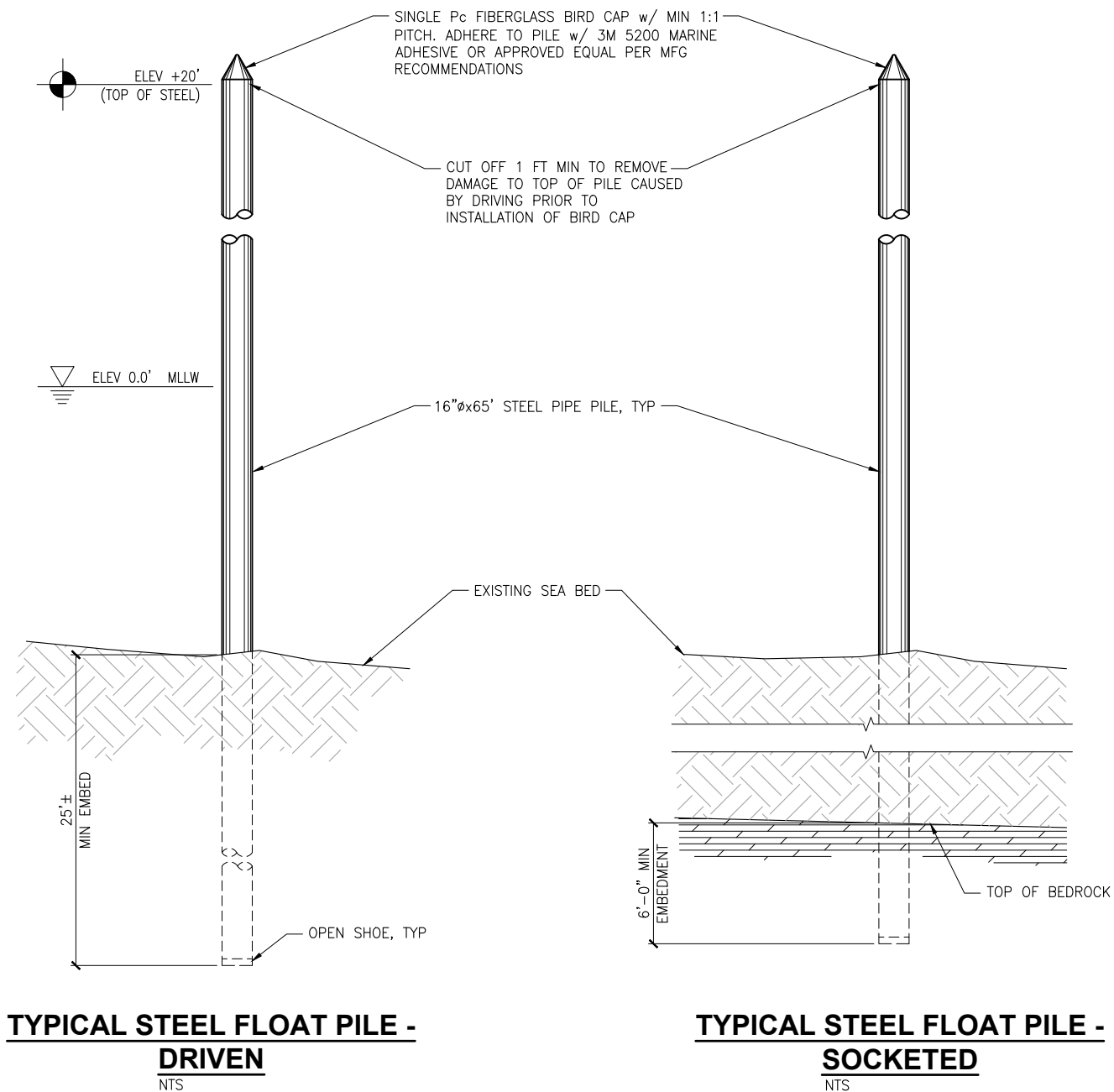
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PROJECT:			
MAIN BAY DOCK REPLACEMENT			
TITLE: POA-2020-00102, Tongass Narrows GANGWAY DETAILS			
DESIGNED BY: LI	DATE: 9/13/2019	SHEET NO: 5 OF 7	
CHECKED BY: CC	PROJECT NO: 191133		



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PROJECT: MAIN BAY DOCK REPLACEMENT			
TITLE: POA-2020-00102, Tongass Narrows PILING DETAILS			
DESIGNED BY: LI	DATE: 9/13/2019	SHEET NO: 6 OF 7	
CHECKED BY: CC	PROJECT NO: 191133		

GENERAL NOTES

APPLICABLE CODES AND STANDARDS

ALL LOCAL CODES PLUS THE FOLLOWING SPECIFICATIONS, STANDARDS AND CODES ARE PART OF THESE GENERAL NOTES:

AISC STEEL CONSTRUCTION MANUAL – 15TH EDITION
AISC CODE OF STANDARD PRACTICE
ASCE STANDARD–MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7–16)
ASTM SPECIFICATIONS, CURRENT EDITION
AWS D1.1 STRUCTURAL WELDING CODE – 2015 EDITION
NDS AMERICAN WOOD COUNCIL – 2015 EDITION

DESIGN VESSELS

M/V ALASKAN CHALLENGER – 80’ LANDING CRAFT
DESIGN SKIFF – 20’ OPEN WORK BOAT

DESIGN CRITERIA

DESIGN LIFE – 25 YEARS
DEAD LOAD – ALL
FLOAT LIVE LOAD – UNIFORM 40 PSF, 400 POUND CONCENTRATED OVER 1 SQ FT AREA
WIND LOAD – EXTREME WIND LOAD: 139 MPH OVER A 30 SECOND DURATION, OPERATING WIND LOAD: 113 MPH OVER 30 SECOND DURATION
WAVE – 4.7–FT MAXIMUM WAVE HEIGHT WITH PERIOD OF 2 SECONDS
LIFTING – FLOATS ARE DESIGNED TO BE LIFTED FROM CLEATS USING NEAR VERTICAL RIGGING.

FLOTATION CRITERIA

DEAD LOAD FREEBOARD – 24”
DEAD LOAD + LIVE LOAD FREEBOARD – 8”
EXCESS FLOTATION – 40 PSF

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AK. LIC# AECC250



PROJECT:				MAIN BAY DOCK REPLACEMENT	
TITLE:				POA-2020-00102, Tongass Narrows GENERAL NOTES	
DESIGNED BY:		LI	DATE:	9/13/2019	SHEET NO: 7
CHECKED BY:		CC	PROJECT NO:	191133	
				OF	7