



DOCKS AND HARBORS OPERATIONS MEETING

AGENDA

November 13, 2024 at 6:00 PM

Port Director's Conference Room/Zoom Webinar

<https://juneau.zoom.us/j/81569794359> or (253)215-8782 Webinar ID: 815 6979 4359 Passcode: 612073

- A. **CALL TO ORDER: (immediately following Special Board Retreat Meeting in Port Director's Conference Room and via Zoom)**
- B. **ROLL CALL: (James Becker, Tyler Emerson, Clayton Hamilton, Debbie Hart, Matthew Leither, Nick Orr, Annette Smith, Shem Sooter, and Don Etheridge)**
- C. **PORT DIRECTOR REQUESTS FOR AGENDA CHANGES**
MOTION: TO APPROVE THE AGENDA AS PRESENTED OR AMENDED.
- D. **PUBLIC PARTICIPATION ON NON-AGENDA ITEMS** (not to exceed five minutes per person, or twenty minutes total time)
- E. **APPROVAL OF MINUTES**
 - 1. October 23rd, 2024 Meeting Minutes
- F. **UNFINISHED BUSINESS**
 - 2. Board Strategic Retreat - Action Items
Presentation by Port Director

Committee Questions

Public Comment

Committee Discussion/Action

MOTION: TBD
- G. **ITEMS FOR INFORMATION/DISCUSSION**
 - 3. Taku Harbor Repairs - 65% Drawing Review
Presentation by Port Engineer

Committee Discussion/Public Comment
 - 4. Annual Report to the Assembly
Presentation by Port Director

Committee Discussion/Public Comment
- H. **STAFF, COMMITTEE AND MEMBER REPORTS**
- I. **COMMITTEE ADMINISTRATIVE MATTERS**
Next Operations/Planning Committee Meeting - Wednesday, December 11th, 2024
- J. **ADJOURNMENT**

ADA accommodations available upon request: Please contact the Clerk's office 36 hours prior to any meeting so arrangements can be made for closed captioning or sign language interpreter services depending on the meeting format. The Clerk's office telephone number is 586-5278, TDD 586-5351, e-mail: city.clerk@juneau.gov.



DOCKS AND HARBORS OPERATIONS MEETING MINUTES

October 23, 2024, at 5:00 PM

Port Office Conference Room/Zoom Webinar

<https://juneau.zoom.us/j/86913259725> or 1-253-215-8782 Webinar ID: 869 1325 9725 Passcode: 465005

- A. CALL TO ORDER** By Mr. Sooter at 5:00pm in Port Office Conference Room and via Zoom
- B. ROLL CALL:** James Becker, Tyler Emerson, Don Etheridge, Debbie Hart, Matthew Leither, Annette Smith, and Shem Sooter

Absent: Clayton Hamilton and Nick Orr.

Also in attendance: Carl Uchtyl – Port Director, Matthew Sill – Port Engineer, Matthew Creswell – Harbormaster, Melody Musick—Administrative Officer, and Scott Hinton- Port Operations Manager.

- C. PORT DIRECTOR REQUESTS FOR AGENDA CHANGES**

MOTION BY MR. ETHERIDGE TO APPROVE THE AGENDA AS PRESENTED OR AMENDED.

Motion passed unanimously.

- D. PUBLIC PARTICIPATION ON NON-AGENDA ITEMS-** none.

- E. APPROVAL OF MINUTES**

1. September 18th, 2024, Minutes

No changes approved unanimously.

- F. UNFINISHED BUSINESS**

2. CY 2025 Board Calendar

Presentation by Port Director: Mr. Uchtyl said that based on input from the Board regarding the 2025 Calendar, Operations and Planning Committee meetings will be held on the second to last Thursday, June- August. The calendar in the agenda packet reflects the proposed changes. The times and dates of the 2025 Board meetings can still be adjusted according to the Boards wishes.

Committee Questions- none.

Public Comment- none.

Committee Discussion/Action- none.

MOTION BY MR. ETHERIDGE TO ADOPT 2025 BOARD CALENDAR AS PROPOSED.

Motion passed unanimously.

- G. NEW BUSINESS**

3. Aurora Harbor Boat Shelter AE-25

Presentation by Port Director: Mr. Uchtyl said that the Board received notice that Mr. Paul Grant would like to sell his half of the boat shelter to the existing owner of the other half of the boat shelter. Mr. Grant is requesting to waive the Board's right of first refusal.

Committee Questions- none.

Public Comment- none.

Committee Discussion/Action- none.

MOTION BY MR. BECKER TO WAIVE THE BOARD'S RIGHT OF FIRST REFUSAL TO PURCHASE BOAT SHELTER AE-25 ALLOWING MR. PAUL GRANT TO SELL HIS BOAT SHELTER ON THE OPEN MARKET.

H. ITEMS FOR INFORMATION/DISCUSSION

4. Bid Results - Boatyard Trailer

Presentation by Port Director: Mr. Uchytel said that in 2012 Docks and Harbors purchased a hydraulic boat lift with MARAD TIGER grant funds. The boat trailer was used for three years at the Auke Bay Loading Facility (ABLF). The boat trailer was then used by Harri's Commercial Marine and Karl's Auto Marine on the leased Docks and Harbors boat yard property. Karl's Auto and Marine approached the Board after using the boat lift for one season and stated that the boat lift does not meeting the needs of commercial operation. Mr. Uchytel on behalf of the Board, requested from MARAD the ability to sell the boat lift. The lift was originally purchased for \$650,000 in 2012 and it was sold for \$250,00, which funds can be used to purchase a new boat lift. After conducting research on the needs of the facility, a Canadian manufacturer was identified to be most beneficial for the ABLF. MARAD grant conditions stipulate that the \$250,000 can only be used to purchase product the meets the Buy American Build American Act. A request for bid was authorized by MARAD which was opened last week. The only company that was able to meet the requirements for the facility was the Canadian company, Conolift. This item is for information only, the process of acquiring a waiver from MARAD to purchase the new boat lift is in progress. Additional \$100,000 from Harbor funds would be needed to purchase the new boat yard trailer. The process to attain a waiver from MARAD can take up to a year. Conolift is aware of the potential timing delay.

Committee Discussion/Public Comment

Ms. Smith asked if local manufacturers or engineers have been considered to build the boat lift custom to meet the Buy America Build America Act?

Mr. Uchytel said that many experts have been consulted throughout this process. The manufacturer of the original boat lift considered building a custom design to meet the needs of the facility. The product from Conolift is a standard model that is currently in production that would meet the needs of the facility. The request for bid was sent to all known boat lift manufacturers and the only bid that was received was from Conolift.

Mr. Leither asked if this would replace the Travelift? Mr. Leither asked if at some point a sling lift would be acquired?

Mr. Uchytel said that previously Docks and Harbors had a self-propelled hydraulic boat lift, essentially a 4-wheel drive trailer that could drive down to pick up vessels, which is not a Travelift. Statter Harbor has a 15-ton travel lift that can drive out on a wooden pier, before the launch ramp facility Karl's Auto Marine would use this system to pull boats. When Statter Harbor was rebuilt, the wooden pier used for the boat pulling operation went away and all boat hauling was transferred to the self-propelled hydraulic boat lift. Downtown has a 35-ton travel lift which is a device that performs different tasks from the boat trailer that the Board is looking to purchase.

Mr. Leither asked if the issue with the self-propelled hydraulic trailer an issue of motor function or the angle of the ramp at the site.

Mr. Uchytel said that the company that built the original boat lift went out of the boat trailer business and now creates trash compactors. One of the main issues with boat trailer was the lack of serviceability and the maintenance requirements. Many other issues with that specific model of boat trailer has occurred since the sale of the boat trailer including incidents of the brakes going out.

Mr. Leither asked how long the Buy America Build America Act impacts the ability of the use of the MARAD funds in case the Canadian boat trailer breaks down. In the future would the funds from selling the second boat trailer be still held to the Buy America Build America Act?

Mr. Uchytel said that if Docks and Harbors has grant money associated with MARAD the funds will be held to the Buy America Build America Act. However, since there are more components that are associated with the new boat trailer that would allow additional flexibility while still meeting the needs of the facility, Mr. Uchytel does not anticipate a situation where the Board would need to sell the new boat trailer.

Mr. Becker asked Mr. Uchytel if Docks and Harbors is still looking for a haul out facility for larger vessels.

Mr. Uchytel said that this topic is one that will be discussed at the Board retreat. The improvement of marine services in Juneau is a continuous topic for the Board.

5. Board Retreat Planning

Presentation by Port Director: Mr. Uchytel referred to page 16 of the agenda packet which contains a list of topics and an outline of the retreat schedule. Mr. Uchytel said that topics are based on the Board's feedback. The solidified dates for the retreat are November 12th and 13th from 5pm-8pm. Mr. Uchytel said that at the beginning of the retreat he would like Board members to speak for 4-5 minutes each to talk about their motivations to serve on the Board and what goals they would like to achieve as a Board. Mr. Uchytel said that then he would like to go over the enterprise fund structure and how Docks and Harbors can provide quality transparent services to the public. Next, Mr. Uchytel said that he would like to go over the department's financial actuals for the year and analyze future projections. Since 2011 when Mr. Uchytel became Port Director there has not been three commercial fishermen on the Board, therefore the next topic would cover how Docks and Harbors can support the commercial fishermen who utilize Docks and Harbor's facilities. Mr. Uchytel would like to use the SWAT planning method to plan the future enhancement of commercial fishing industry. The Board has also expressed the desire to review the Open Meetings Act and Roberts Rules of Order which will be covered by CBJ attorney Nicole Lynch. On Wednesday Mr. Uchytel would like to cover previous studies and surveys of the facilities. Then Mr. Creswell will go over harbor improvements that have been made in the past and upcoming improvements. Mr. Sill will then review the larger projects and the resources utilized to achieve capital improvement projects in the last 10 years. Mr. Uchytel said that the deliverables that he would like from the retreat include a list of project priorities, legislative priorities, the 6-year CIP plan, marine passenger fee requests, and major maintenance efforts. The second day of the retreat would be a regularly scheduled Operations and Planning Committee meeting and the action items will be addressed before the scheduled retreat topics. Food will be provided for both meetings. Mr. Uchytel said that he will be the facilitator at the request of the Board. Mr. Uchytel asked the Board if the proposed retreat agenda meets their expectations and covers the desired topics.

Committee Discussion/Public Comment

Ms. Smith said that she does not believe that Mr. Uchytel should be presenting on commercial fishing infrastructure and that it should be presented by the Board members who are commercial fishermen. Those individuals would have more perspective.

Mr. Becker said that he would like for the Drive Down Float to be discussed.

Ms. Smith asked if the UAS lease should be a topic considered at the retreat. Ms. Smith asked if the Board should be considering the ramifications of a deep-water port on the backside of Douglas.

Mr. Uchytel said that those are good topics of discussions, however there might not be enough time to cover all the desired topics. The strategic planning can be continuous and not limited to the retreat time

frame. If the Goldbelt port becomes a reality it could encompass an entire retreat time frame. Mr. Uchytil said that the Board members can send topics via email that need to be discussed at this year's retreat.

Mr. Becker said that he does not believe that the Goldbelt port should not be discussed at the Boards retreat until more direction is received from the City and Tourism Managers.

Mr. Etheridge said that he would like the boat yard to be on the list of topics.

Ms. Hart said that she thinks the current outline for the retreat is a good start and that in the future a continuous agenda item to cover strategic planning could help with covering topics that were unable to be addressed at the retreat due to time constraints.

6. New Boat Shelter Construction Process

Presentation by Port Director: Mr. Uchytil referred to page 18 of agenda packet which addresses the boat shelter that sunk in January. A request for interest was posted to gather community interest in constructing a new boat shelter. Four individuals have responded to indicate interest in building new boat shelter. Mr. Uchytil said that the Board needs to develop a plan for selecting the individual for building the boat shelter. A lottery, an out-cry auction, or a sealed bid auction are three methods for selection. Mr. Uchytil said that his recommendation is to hold a sealed bid auction, however, would like the Boards feedback to establish the process. There is no guidance from Docks and Harbors regulation on how to conduct the process of building a new boat shelter. The boat shelters were in place when the CBJ acquired Aurora Harbor from the State. Mr. Uchytil suggested that an application be submitted alongside the sealed bid auction with a \$100 filing fee, minimum bid of \$500, parameter of completing construction on the boat shelter in a year, the length of the new boat shelter cannot exceed the length of the existing boat shelters on float G, the design can not shed snow on other boat shelters, and that at least half of the boat shelter must be owned for five years after construction. The square footage charge would be applied once the selection of the individual from the auction occurs.

Committee Discussion/Public Comment

Ms. Smith said that holding the boat shelter for five years seems like a long time. Has thought been given to expanding the boat shelters to an additional float if there is a large amount of interest in this opportunity.

Mr. Leither asked what fair market value for boat shelters is currently.

Mr. Etheridge said that fair market value is \$30,000-\$37,000 for a large boat shelter and less for smaller ones.

Mr. Leither asked if Docks and Harbors has considered buying the boat shelters to encourage others to flip/ improve the boat shelters to gain a profit.

Mr. Sooter said that he does not believe flipping boat shelters would be in the best financial interests of Docks and Harbors.

Ms. Smith said that the price offered to the Board for boat shelters and the price offered to community members most likely is very different.

Mr. Sooter asked the Board what they thought of the draft provided by Mr. Uchytil.

Ms. Smith said that she does not have an issue with the draft but that the ownership of five years seems like a long time in a community that has a lot of turn-over.

Mr. Etheridge said that he likes the draft and time requirement so that a contractor doesn't build and sell for a profit. Mr. Etheridge said an option for the owner would be to lease it to a community member.

Mr. Sooter said that if he were to build a boat shelter, he would want to at least have it for five years to get a return on the investment.

Ms. Smith asked what would happen if the new owner died within the 5-year time frame.

Mr. Sooter said that if that circumstance arose then the Board would be able to address the specific needs of the family or individual.

Mr. Leither asked about the administrative burden of the request for interest and the request for bid in the context of the \$100 filing fee.

Mr. Uchytel said that the \$100 filing fee comes from wanting only serious bids for the project. Additionally, since it does take up staff and Board time. This would recoup value back to the enterprise fund. Mr. Uchytel said that there is not punitive clause if someone chooses to build and flip the new boat shelter. Mr. Uchytel said that he will bring this to the regular Board meeting and asked if advertising for two months a reasonable time frame is.

Ms. Smith said that two months is a reasonable time frame.

Mr. Sooter said that he would recommend changing the language to building the boat shelter in a year after receiving building approval.

Mr. Leither said that there are not teeth to setting the timeline since there is no repercussions for not completing the construction in the designated time frame.

7. Regulation Changes - Preparation for Special Board Meeting

Presentation by Harbormaster: Mr. Creswell said that next Thursday prior to the regular Board meeting there will be a special Board meeting for the end of the public notice period for the five proposed regulation changes. Those changes are an increase of the waterfront vendor permit by \$5,000, disallowing moorage until collections accounts have been paid in full, requiring pre-payment of moorage for accounts that have been sent to collections or impounded in the previous 24 months, new requirements for Uninsured Vessel Surcharge, and establishing the fee for the Auke Bay Loading Facility. Each regulation change will be voted upon separately.

Committee Discussion/Public Comment

Mr. Leither asked if anyone has received any feedback on the proposed regulation changes.

Mr. Creswell said that he has not received any feedback.

Ms. Smith said that she will not be attendance of the Special Board meeting.

Mr. Uchytel said that adjustment of the waterfront vendor booth to be tied to the consumer price index did not go through with the public notice period. This was a Board directive that did not get included in the notice period which will need to be discussed with the Law department on whether it can be part of the regulation change.

I. STAFF, COMMITTEE AND MEMBER REPORTS

Ms. Smith said the Juneau South Douglas Committee is currently meeting and therefore she won't be in attendance and will not be able to deliver a member report.

J. COMMITTEE ADMINISTRATIVE MATTERS

Next Operations/Planning Committee Meeting - Wednesday, November 13th, 2024.

K. ADJOURNMENT

Meeting adjourned at 6:15 pm.

ADA accommodations available upon request: Please contact the Clerk's office 36 hours prior to any meeting so arrangements can be made for closed captioning or sign language interpreter services depending on the meeting format. The Clerk's office telephone number is 586-5278, TDD 586-5351, e-mail: city.clerk@juneau.gov.



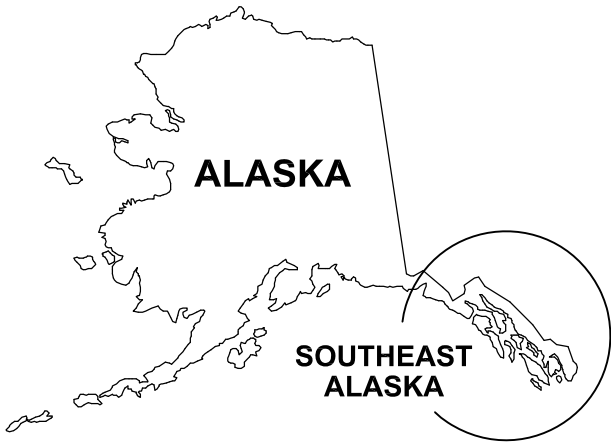
CITY & BOROUGH OF JUNEAU DOCKS & HARBORS
TAKU HARBOR IMPROVEMENTS
65% ENGINEERS ESTIMATE
8-Nov-24



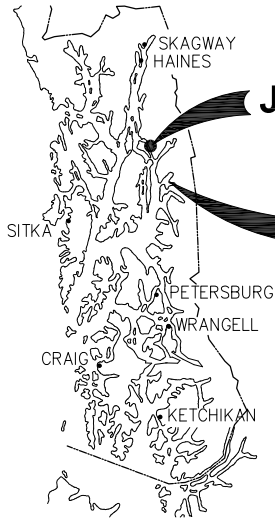
Section G, Item 3.

Item	Item Description	Units	Quantity	Unit Cost	Amount
1505.1	Mobilization	LS	All Req'd	\$211,900	\$211,900
2060.1	Demolition and Disposal	LS	All Req'd	\$150,000	\$150,000
2702.1	Construction Surveying	LS	All Req'd	\$25,000	\$25,000
2718.1	Signage	LS	All Req'd	\$5,000	\$5,000
2882.1	Protected Species Work Suspension	HR	5	\$2,000	\$10,000
2894.1	Aluminum Gangway, 6' x 80'	LS	All Req'd	\$160,000	\$160,000
2894.2	Aluminum Catwalk, 6' x 100'	EA	2	\$240,000	\$480,000
2895.1	External Pile Hoop and Transient Float Decking	LS	All Req'd	\$20,000	\$20,000
2896.1	Vertical Pile, 12.75" dia. x 0.500" Thick	EA	4	\$20,000	\$80,000
2896.2	Vertical Pile Cross Bracing	LS	All Req'd	\$50,000	\$50,000
2896.3	Pile Caps	EA	2	\$25,000	\$50,000
2896.4	Salvage and Reinstall Existing Transient Float Pile	LS	All Req'd	\$7,500	\$7,500
2897.1	Supply Flotation Billet	EA	8	\$500	\$4,000
2897.2	Install Flotation Billet	EA	8	\$1,000	\$8,000
3301.1	Concrete Abutment Slab	LS	All Req'd	\$10,000	\$10,000
ESTIMATED CONSTRUCTION COST					\$1,271,400
CONTINGENCY (10%)					\$127,140
PLANNING, PERMITTING, DESIGN					\$72,605
CACI (7%)					\$88,998
TOTAL RECOMMENDED PROJECT BUDGET - 2024 DOLLARS					<u>\$1,560,143</u>

CITY & BOROUGH OF JUNEAU, ALASKA
TAKU HARBOR IMPROVEMENTS
CBJ CONTRACT NO. DHXX-XXX



LOCATION MAP

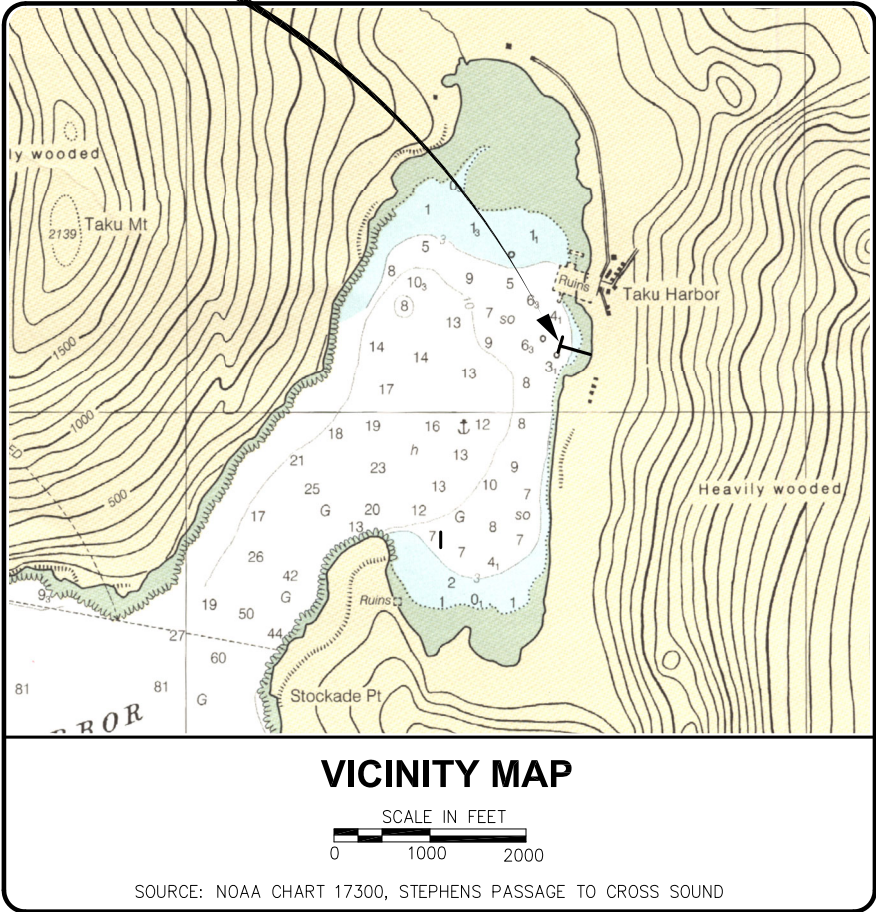


JUNEAU

TAKU HARBOR

SOUTHEAST ALASKA

THIS PROJECT



PROJECT SCHEDULE

DESCRIPTION	SCHEDULE
1. SUBSTANTIAL COMPLETION	OCTOBER 15, 2025
2. FINAL COMPLETION OF ALL WORK	NOVEMBER 15, 2025

DRAWING INDEX

DRAWING NO.	TITLE
	GENERAL
1	COVER, VICINITY MAP, DRAWING INDEX
2	LEGEND, ABBREVIATIONS AND GENERAL NOTES
3	EXISTING CONDITIONS AND DEMOLITION PLAN
4	DEMOLITION DETAILS
5	GENERAL SITE PLAN
6	OVERALL PLAN AND PROFILE
7	GANGWAY ELEVATION AND GANGWAY/CATWALK TYPICAL SECTIONS
8	CATWALK A AND B PLAN AND ELEVATION
9	GANGWAY AND CATWALK DETAILS
10	PILE AND CROSS BRACE DETAILS
11	PILE CAP DETAILS
12	PILE CAP RAILING DETAILS
13	TRANSIENT FLOAT IMPROVEMENTS
14	EXTERNAL PILE HOOP DETAILS
15	CONCRETE ABUTMENT DETAILS

TIDAL DATA

MHW	15.78'
MHW	14.90'
MLW	1.63'
MLLW	0'

FROM:
NOAA/NOS/CO-OPS
TIDAL STATION 9452123

PND ENGINEERS, INC. (PND) IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. DRAWINGS ARE FOR THE USE OF THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.



REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.



ENGINEERS, INC.

9360 Glacier Highway Ste 100
Juneau, Alaska 99801
Phone: 907-586-2093
Fax: 907-586-2099
www.pndengineers.com

DESIGN: BMI CHECKED: JLD
DRAWN: BMI APPROVED: —

SCALE:
AS SHOWN

65% DESIGN
SUBMITTAL

DATE: NOV. 8, 2024

CITY & BOROUGH OF JUNEAU DOCKS & HARBORS
TAKU HARBOR IMPROVEMENTS
CONTRACT NO. XX-XXX-X

SHEET TITLE:
COVER, VICINITY MAP, DRAWING INDEX

PND PROJECT NO.: 242067 C.A.N. NO.: AECC250

N:\24XXX\242067 Taku Harbor Improvements\G. Drawings\Marine\2 Legend.dwg, 11/8/2024 6:58:55 AM, Adobe PDF

GENERAL NOTES

1. PROPERTY DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ITS PRE-CONSTRUCTION CONDITION OR BETTER AT NO ADDITIONAL COST.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE, LOCAL, STATE AND FEDERAL CODES, PERMITS AND SAFETY REQUIREMENTS.
3. THE LOCATIONS AND ELEVATIONS OF EXISTING FEATURES AND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE. UTILITIES SHOWN ARE TAKEN FROM EXISTING RECORDS AND OTHER SOURCES. ADDITIONAL UTILITIES MAY BE PRESENT HOWEVER ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD AS NECESSARY PRIOR TO BEGINNING WORK. THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD SHALL BE RECORDED ON THE CONTRACTOR'S RECORD DRAWINGS. CONTACT LOCAL UTILITIES AT THE FOLLOWING NUMBERS FOR LOCATE SERVICE A MINIMUM OF TWO BUSINESS DAYS PRIOR TO ANY EXCAVATION:

DIAL BEFORE YOU DIG!

586-1333

UNDERGROUND POWER, TELEPHONE, T.V.,
COMMUNICATIONS, WATER AND WASTEWATER LINES
ARE IN THE AREA. UTILITIES SHOWN HERE DO NOT
SUBSTITUTE FOR FIELD LOCATES.

DIAL BEFORE YOU DIG!

811

UNDERGROUND POWER, TELEPHONE, T.V.,
COMMUNICATIONS, WATER AND WASTEWATER LINES
ARE IN THE AREA. UTILITIES SHOWN HERE DO NOT
SUBSTITUTE FOR FIELD LOCATES.

4. ALL ITEMS DESIGNATED TO BE REMOVED SHALL BE DISPOSED OF AT CONTRACTOR-PROVIDED DISPOSAL SITE, APPROVED BY THE ENGINEER, EXCEPT AS NOTED.
5. CONTRACTOR SHALL REFERENCE ALL EXISTING PROPERTY CORNER MONUMENTS, RIGHT OF WAY MONUMENTS, AND CENTERLINE MONUMENTS PRIOR TO CONSTRUCTION. UNLESS NOTED OTHERWISE, DISTURBED MONUMENTS SHALL BE RESET OR REPLACED EXCEPT WHERE MONUMENT WOULD BE A HAZARD AS DETERMINED BY THE ENGINEER. EXISTING SURVEY MONUMENTS MAY NOT BE SHOWN ON THE DRAWINGS. ALL WORK SHALL BE DONE BY, OR UNDER THE DIRECTION OF, AN ALASKA REGISTERED LAND SURVEYOR.
6. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGES TO PRIVATE AND PUBLIC PROPERTY ASSOCIATED WITH THE CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO DAMAGES CAUSED BY COMPACTION EFFORTS.
7. EXCEPT WHERE STAGING AND WORK AREAS ARE DESIGNATED ON THE PLANS, THE CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT, OR OPERATE EQUIPMENT WITH ITS TRACKS OR WHEELS PLACED ON PRIVATE PROPERTY, WITHOUT THE WRITTEN APPROVAL OF THE PROPERTY OWNER.
8. MATCH EXISTING GRADES AT PROJECT LIMITS AND WHERE REQUIRED TO MATCH ELEVATIONS AT EXISTING ROADS OR PATHS.

LEGEND

EXISTING	THIS PROJECT	
<div>---</div>	<div>---</div>	PROPERTY LINE / RIGHT-OF-WAY
<div>---</div>	<div>---</div>	CENTERLINE
<div><div></div></div>	<div><div></div></div>	SIGN (TYP)
<div><div></div></div>	<div><div></div></div>	CONCRETE
<div><div></div></div>	<div><div></div></div>	BUILDING

ABBREVIATIONS

A		M	
@	AT	MAX	MAXIMUM
ADA	AMERICANS WITH DISABILITIES ACT	ME	MATCH EXISTING
APPROX. or APPX.	APPROXIMATE	MLLW	MEAN LOWER LOW WATER
B		MTE/ME	MATCH TO EXISTING
BLDG	BUILDING	N	
BOL	BOLLARD	N	NORTH
BTM	BOTTOM	NIC	NOT IN CONTRACT
C		NTS	NOT TO SCALE
CBJ	CITY & BOROUGH OF JUNEAU	O	
CL	CENTER LINE	OC	ON CENTER
CLR	CLEAR	R	
CONC.	CONCRETE	R	RADIUS
COR	CORNER	REQD	REQUIRED
CY	CUBIC YARD	S	
D		S	SOUTH
ø/DIA	DIAMETER	SF	SQUARE FEET
DTL	DETAIL	STA	STATION
E		STD	STANDARD
E	EAST	T	
EA.	EACH	t.	THICK
EC	EDGE OF CONCRETE	TYP	TYPICAL
EL/ELEV	ELEVATION	U	
EW	EACH WAY	UNO	UNLESS NOTED OTHERWISE
F		V	
FG	FINISHED GRADE	VERT	VERTICAL
G		W	
GALV	GALVANIZED	w/	WEST
GB	GRADE BREAK		WITH
H			
HDG	HOT-DIPPED GALVANIZED		
HDPE	HIGH DENSITY POLYETHYLENE		
I			
IAW	IN ACCORDANCE WITH		
IE	INVERT ELEVATION		
INV	INVERT		
L			
L	LENGTH		
LF	LINEAR FEET		
LOW	EP. LOW POINT		
LP	LIGHT POLE		
LS	LUMP SUM		

Section G, Item 3.



REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

P

N

D

ENGINEERS, INC.

9360 Glacier Highway Ste 100
Juneau, Alaska 99801
Phone: 907-586-2093
Fax: 907-586-2099
www.pndengineers.com

DESIGN: BMI CHECKED: JLD

DRAWN: BMI APPROVED: —

SCALE:

65% DESIGN SUBMITTAL

CITY & BOROUGH OF JUNEAU DOCKS & HARBORS
TAKU HARBOR IMPROVEMENTS
CONTRACT NO. XX-XXX-X

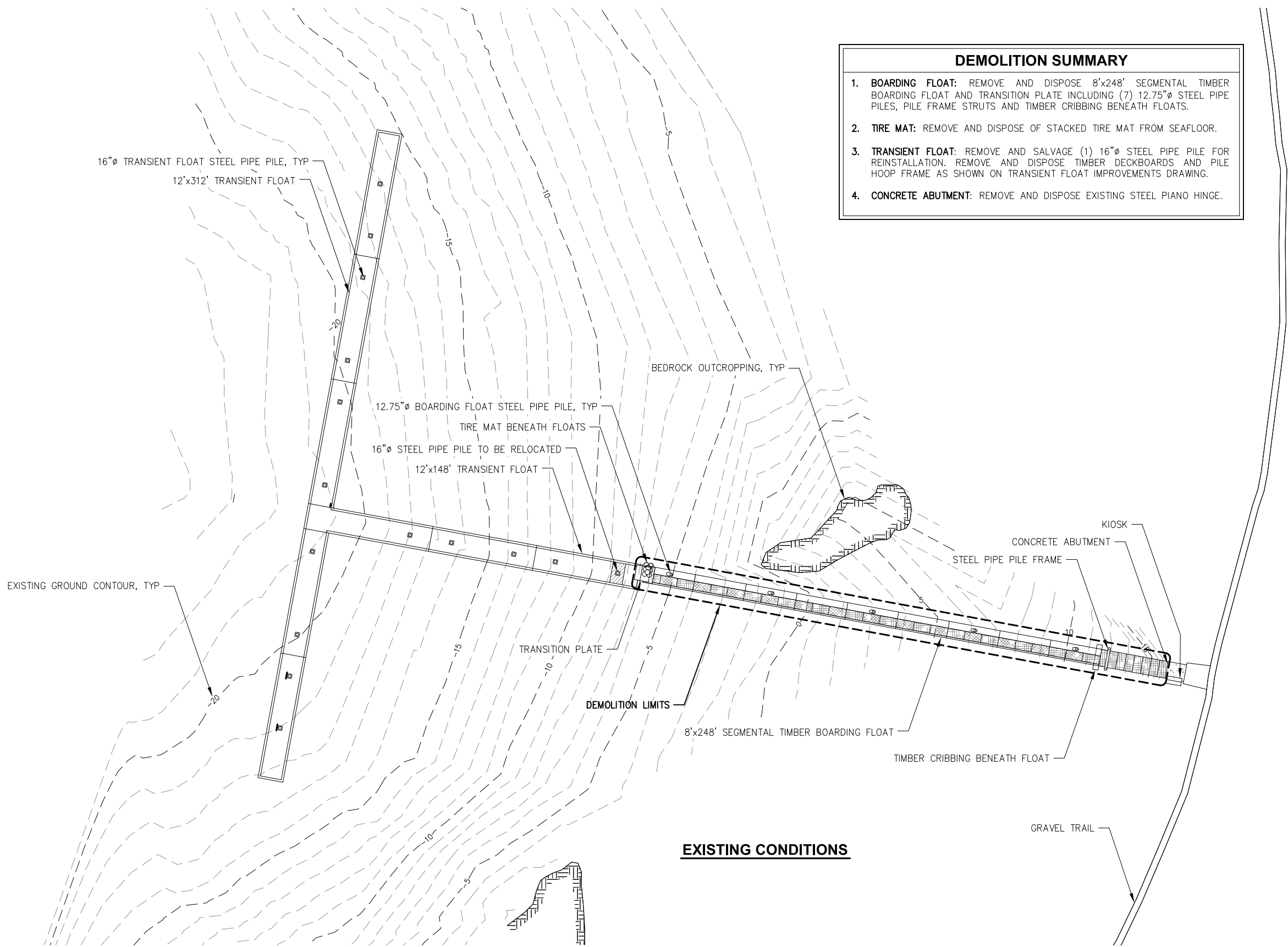
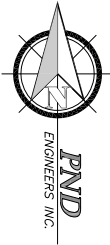
SHEET TITLE:
LEGEND, ABBREVIATIONS AND
GENERAL NOTES

210

PND PROJECT NO.: 242067

C.A.N. NO.: AECC250

DATE: NOV. 8, 2024



DEMOLITION SUMMARY

1. BOARDING FLOAT:

REMOVE AND DISPOSE 8'x248' SEGMENTAL TIMBER BOARDING FLOAT AND TRANSITION PLATE INCLUDING (7) 12.75"Ø STEEL PIPE PILES, PILE FRAME STRUTS AND TIMBER CRIBBING BENEATH FLOATS.

2. TIRE MAT:

REMOVE AND DISPOSE OF STACKED TIRE MAT FROM SEAFLOOR.

3. TRANSIENT FLOAT:

REMOVE AND SALVAGE (1) 16"Ø STEEL PIPE PILE FOR REINSTALLATION. REMOVE AND DISPOSE TIMBER DECKBOARDS AND PILE HOOP FRAME AS SHOWN ON TRANSIENT FLOAT IMPROVEMENTS DRAWING.

4. CONCRETE ABUTMENT:

REMOVE AND DISPOSE EXISTING STEEL PIANO HINGE.

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DESIGN: BMI

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DRAWN: BMI

APPROVED: —

SCALE:

SCALE IN FEET

0 25 50 FT.

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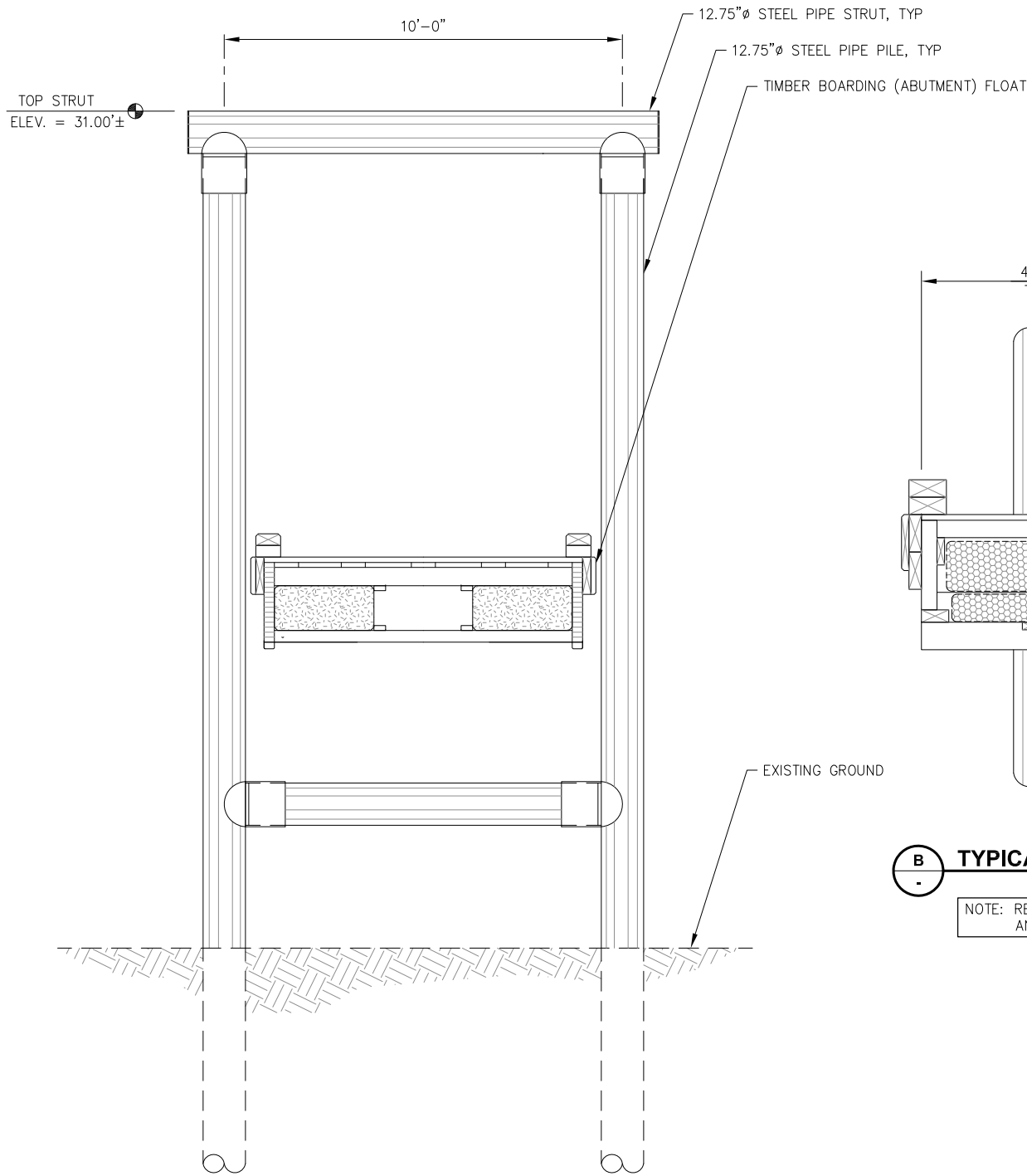
DATE: NOV. 8, 2024

CITY & BOROUGH OF JUNEAU DOCKS & HARBORS
TAKU HARBOR IMPROVEMENTS
CONTRACT NO. XX-XXX-X

SHEET TITLE:
EXISTING CONDITIONS
AND DEMOLITION PLAN

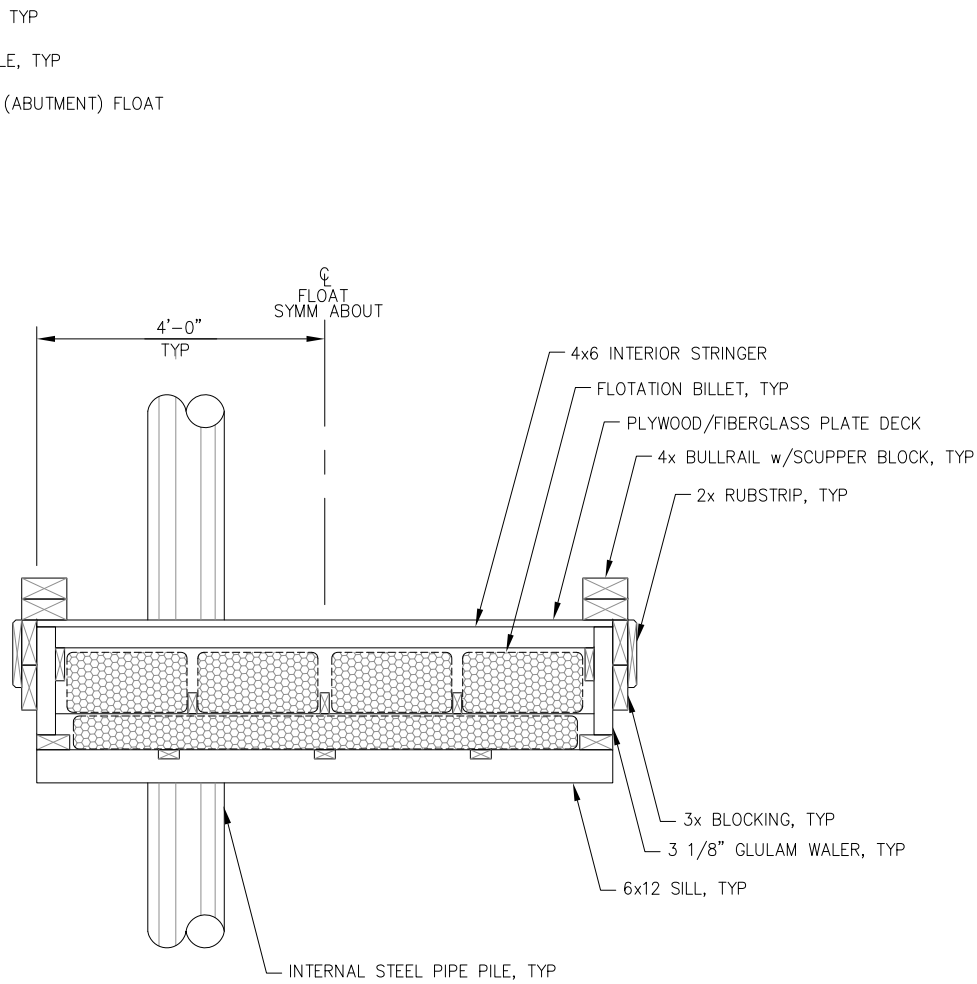
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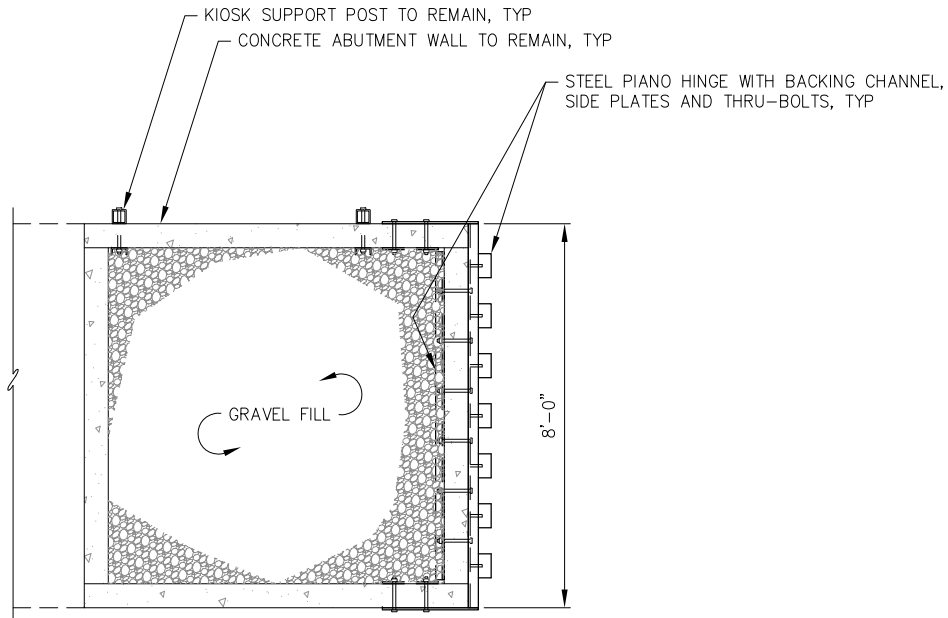
A PILE FRAME - SECTION

NOTE: REMOVE AND DISPOSE STEEL PIPE PILE FRAME IN ITS ENTIRETY INCLUDING ALL STEEL PIPE PILES AND PILE STRUTS.



B TYPICAL BOARDING FLOAT - SECTION

NOTE: REMOVE AND DISPOSE TIMBER BOARDING FLOAT AND STEEL PIPE PILES IN THEIR ENTIRETY.



CONCRETE ABUTMENT - PLAN

NOTE: REMOVE AND DISPOSE STEEL PIANO HINGE WITH BACKING CHANNEL, SIDE PLATES AND THRU-BOLTS. ALL CONCRETE SIDE WALLS AND KIOSK TO REMAIN.



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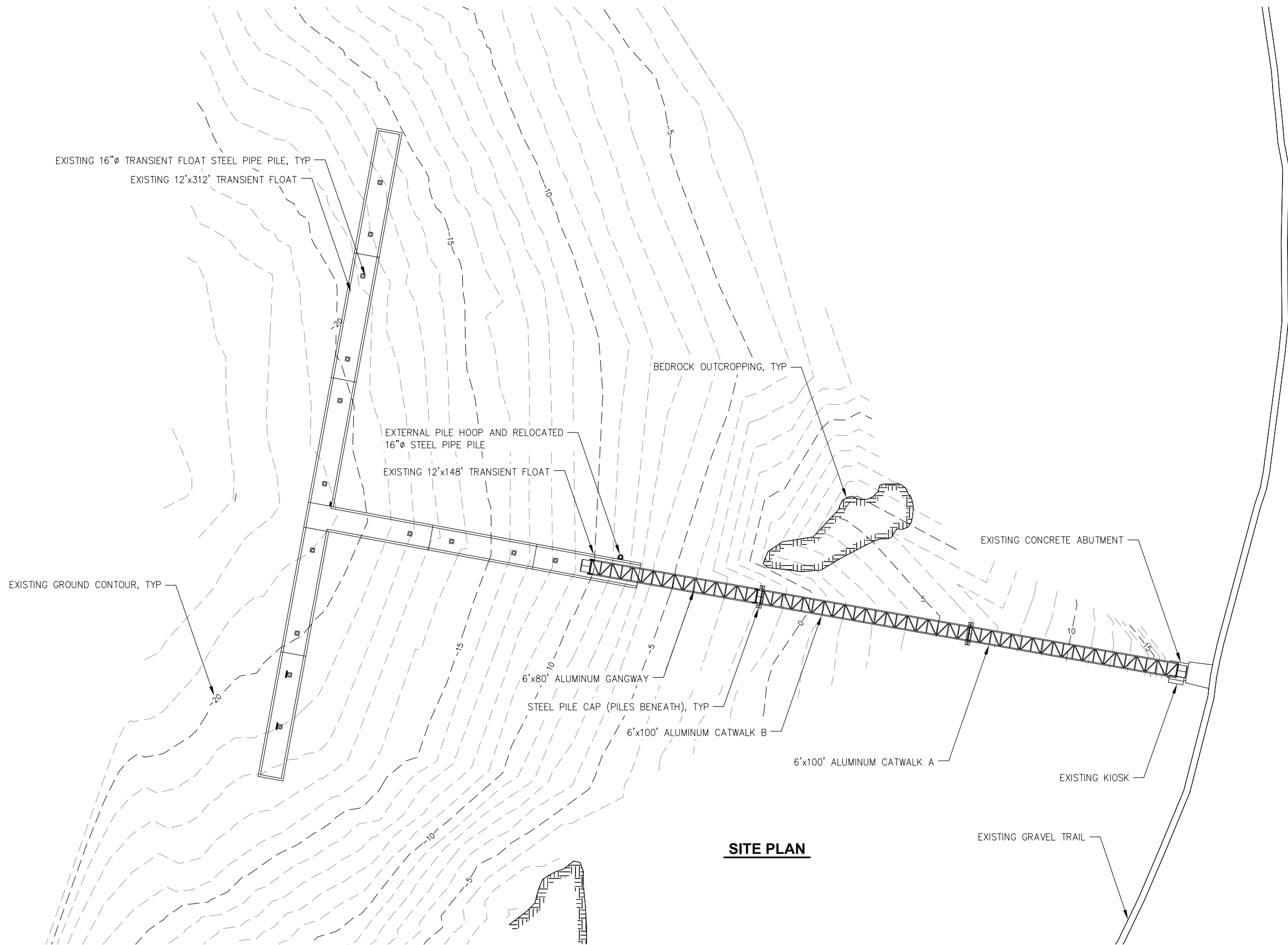
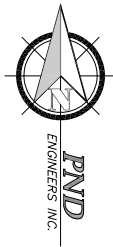
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TAKU HARBOR IMPROVEMENTS
CONTRACT NO. XX-XXX-X

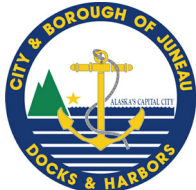
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PND PROJECT NO.: 242067 C.A.N. NO.: AECC250

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SITE PLAN



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CONTRACT NO. XX-XXX-X

SHEET TITLE:
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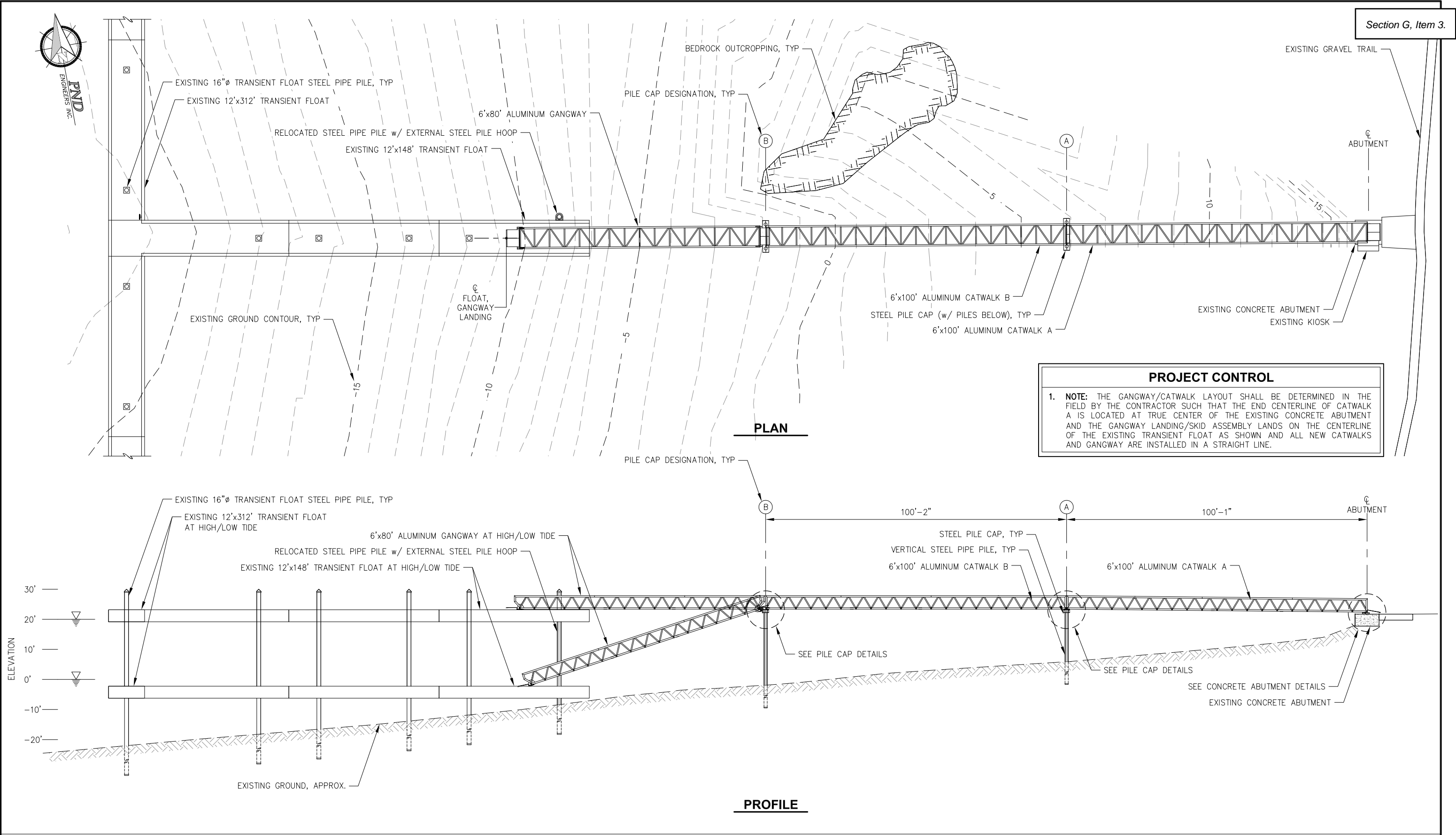
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C.A.N. NO.: AECC250

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CITY & BOROUGH OF JUNEAU DOCKS & HARBORS
TAKU HARBOR IMPROVEMENTS
CONTRACT NO. XX-XXX-X

SHEET TITLE:
OVERALL PLAN AND PROFILE

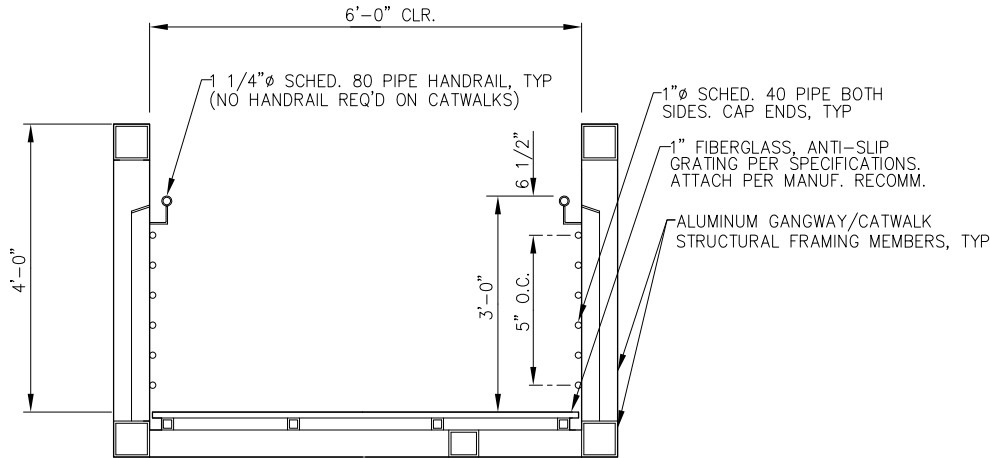
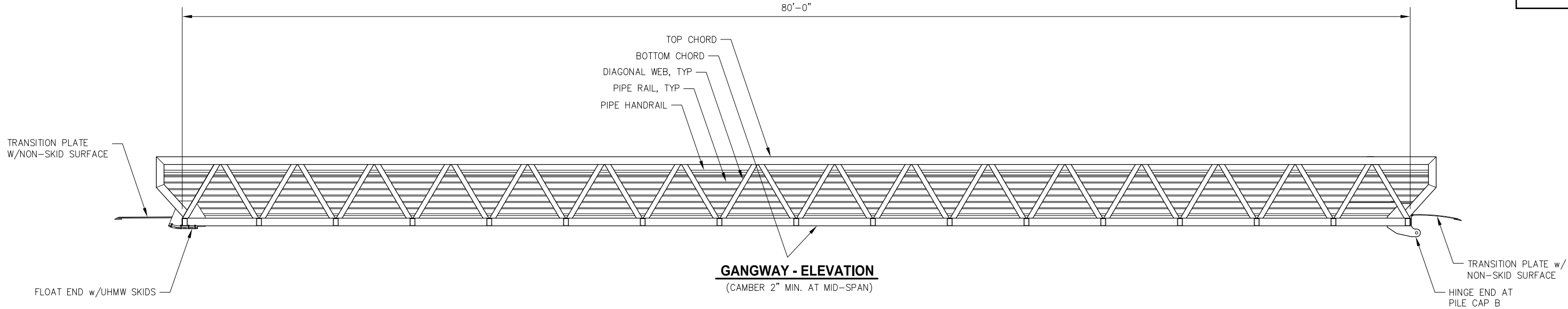
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C.A.N. NO.: AECC250

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GANGWAY/CATWALK - TYPICAL SECTION

- GENERAL NOTES:**
- APPLICABLE CODES: 2024 IBC; ADA ACCESSIBILITY GUIDELINES FOR RECREATIONAL FACILITIES (LATEST VERSION)
 - OVERALL LENGTH OF GANGWAY SHALL BE 80 FT MIN, CATWALK 100 FT MIN. (BOTTOM CHORD LENGTH)
 - DEAD LOAD: ALL
 - LIVE LOAD: 75 PSF UNIFORM LOAD, 1000# CONC. LOAD
 - SNOW LOAD: 60 PSF
 - HANDRAILS: 50 PPf OF 200# LOAD ANY DIRECTION
 - PROVIDE CAMBER OF 2" MIN AT MID-SPAN.
 - ALL MATERIALS SHALL BE ALUMINUM PER SPECIFICATIONS UNLESS OTHERWISE NOTED.



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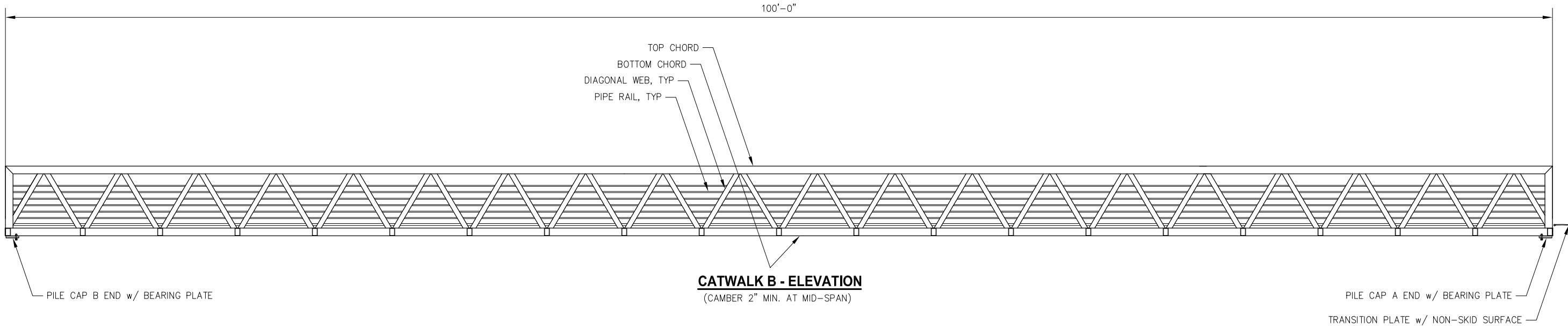
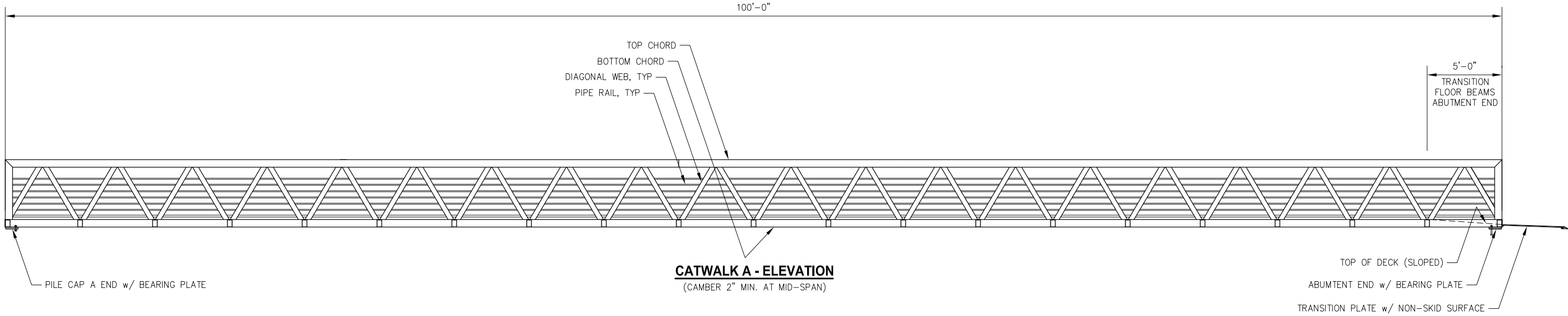
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CITY & BOROUGH OF JUNEAU DOCKS & HARBORS
TAKU HARBOR IMPROVEMENTS
CONTRACT NO. XX-XXX-X

SHEET TITLE:
GANGWAY ELEVATION AND
GANGWAY/CATWALK TYPICAL SECTION

PND PROJECT NO.: 242067 C.A.N. NO.: AECC250

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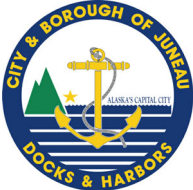
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CITY & BOROUGH OF JUNEAU DOCKS & HARBORS
TAKU HARBOR IMPROVEMENTS
CONTRACT NO. XX-XXX-X

SHEET TITLE:
CATWALK A AND B ELEVATION

PND PROJECT NO.: 242067 C.A.N. NO.: AECC250

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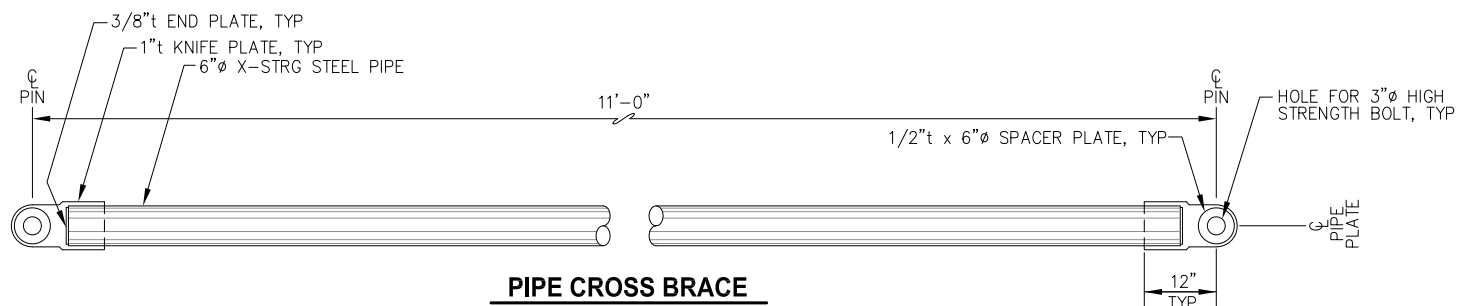
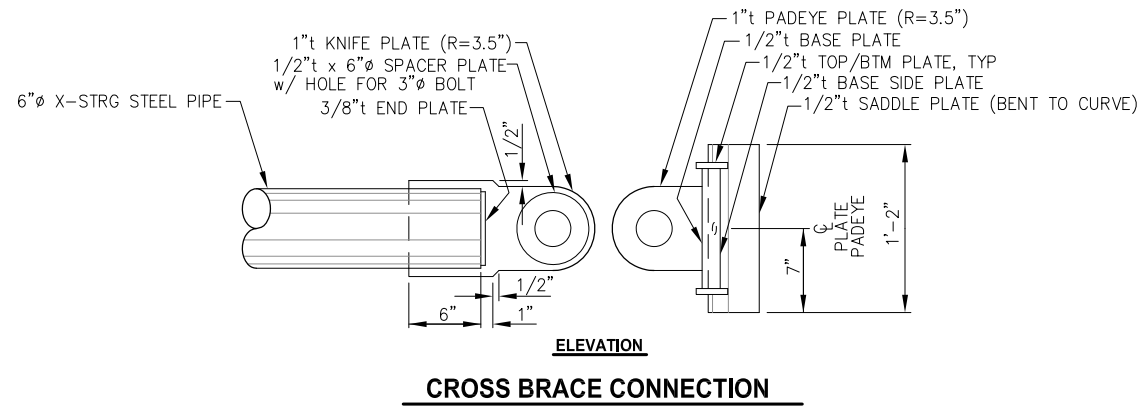
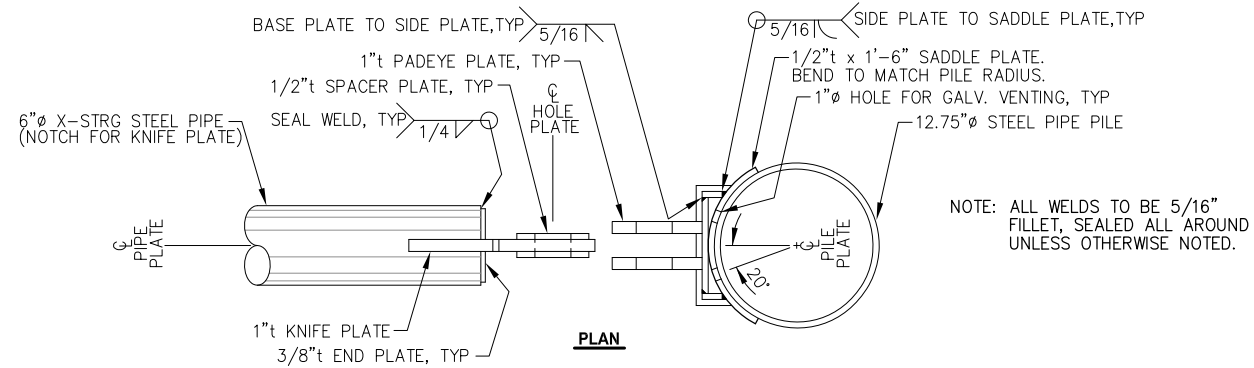
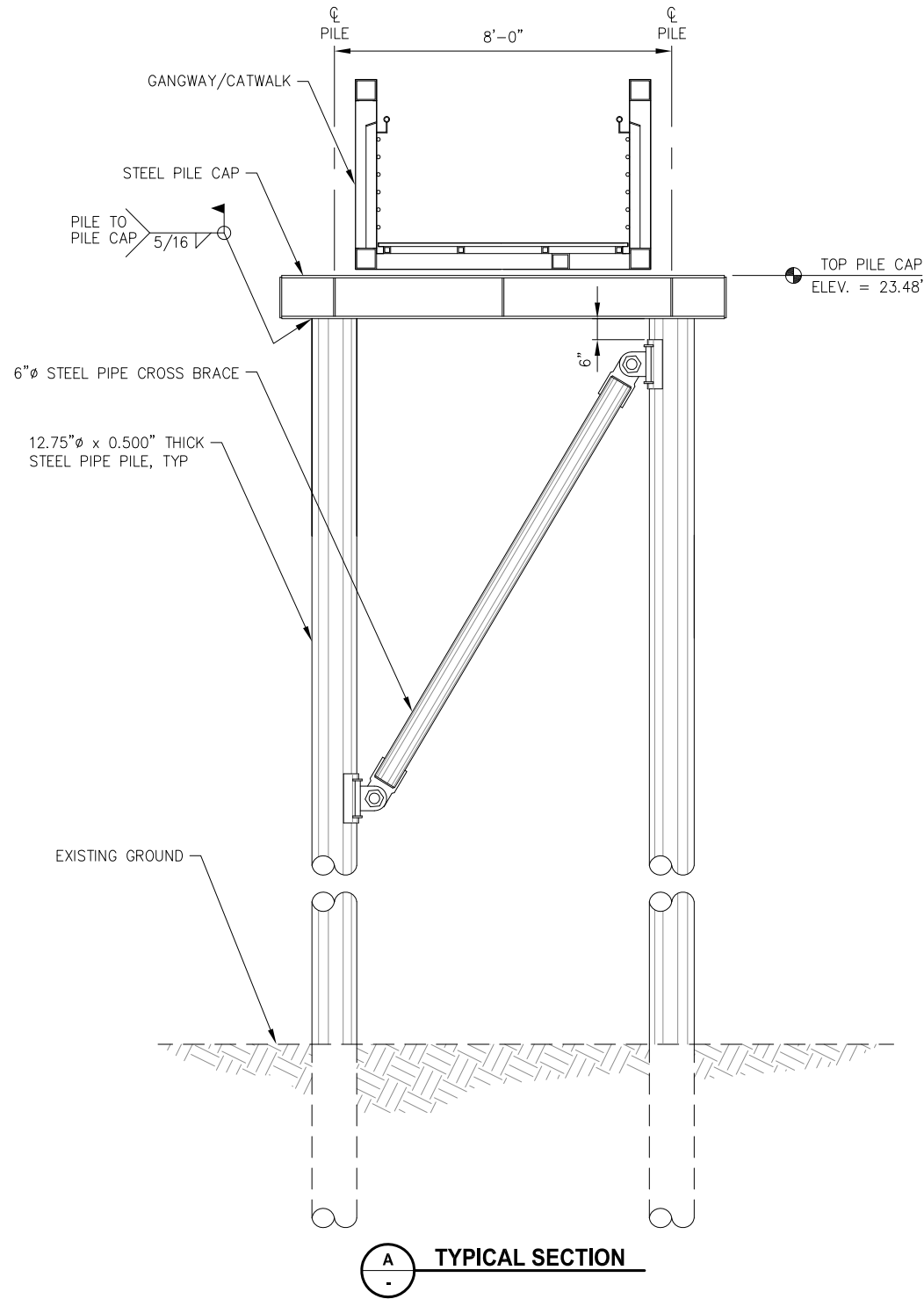
DATE: NOV. 8, 2024

CITY & BOROUGH OF JUNEAU DOCKS & HARBORS
TAKU HARBOR IMPROVEMENTS
CONTRACT NO. XX-XXX-X

SHEET TITLE:
GANGWAY AND CATWALK DETAILS

PND PROJECT NO.: 242067 C.A.N. NO.: AECC250

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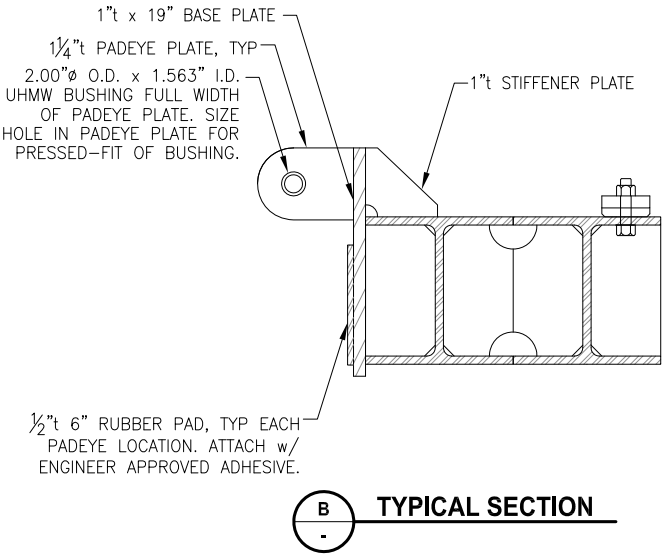
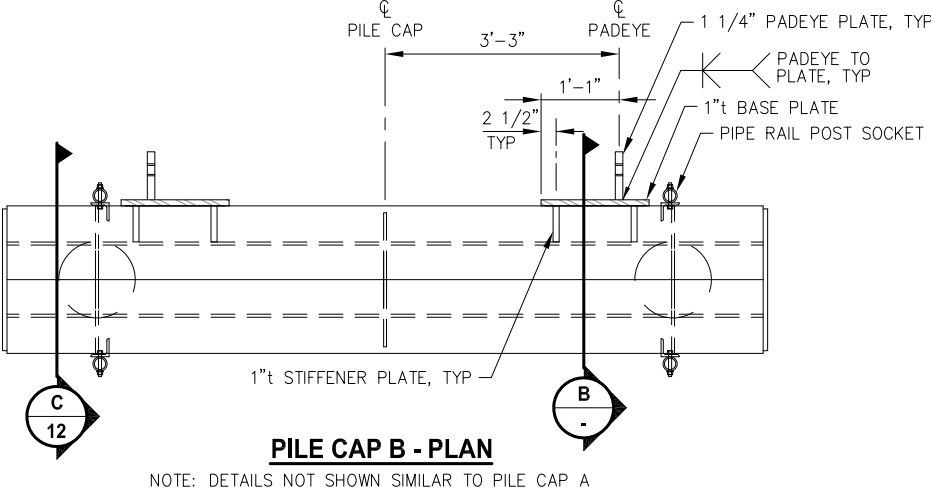
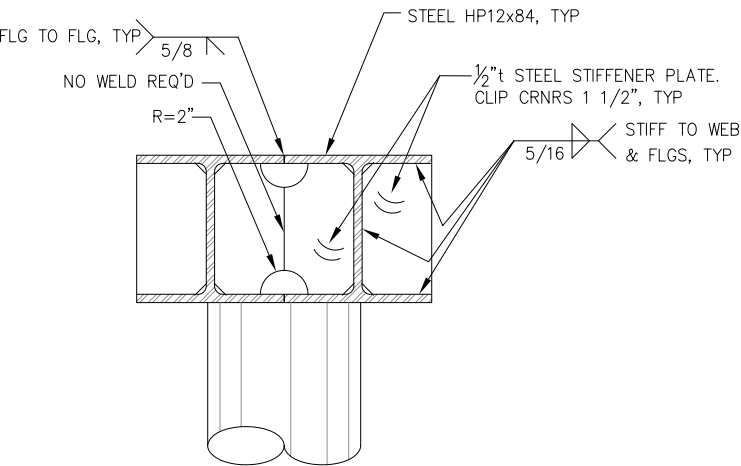
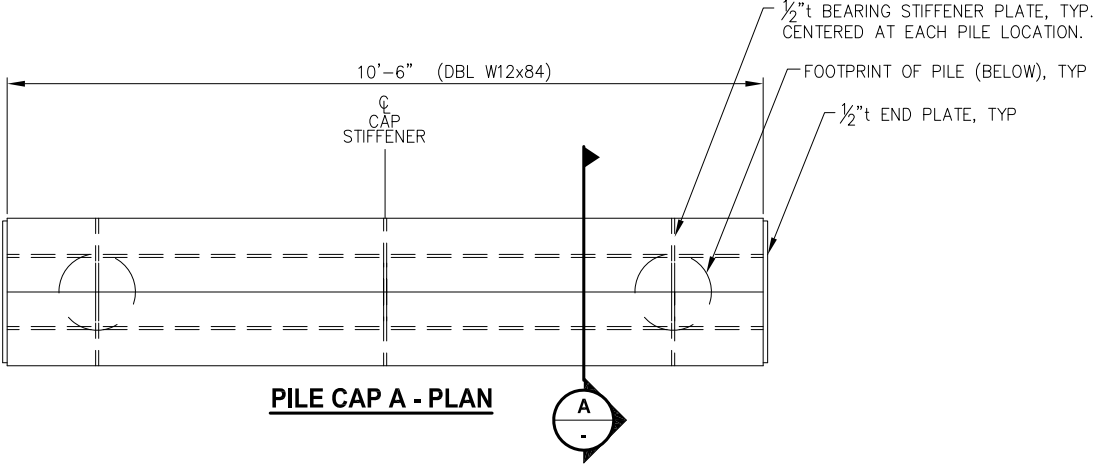
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**CITY & BOROUGH OF JUNEAU DOCKS & HARBORS
TAKU HARBOR IMPROVEMENTS
CONTRACT NO. XX-XXX-X**

SHEET TITLE:
PILE AND CROSS BRACE DETAILS

PND PROJECT NO.: 242067 C.A.N. NO.: AECC250

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DATE: NOV. 8, 2024

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TAKU HARBOR IMPROVEMENTS
CONTRACT NO. XX-XXX-X

SHEET TITLE:
PILE CAP DETAILS

PND PROJECT NO.: 242067 C.A.N. NO.: AECC250

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19



SECTION

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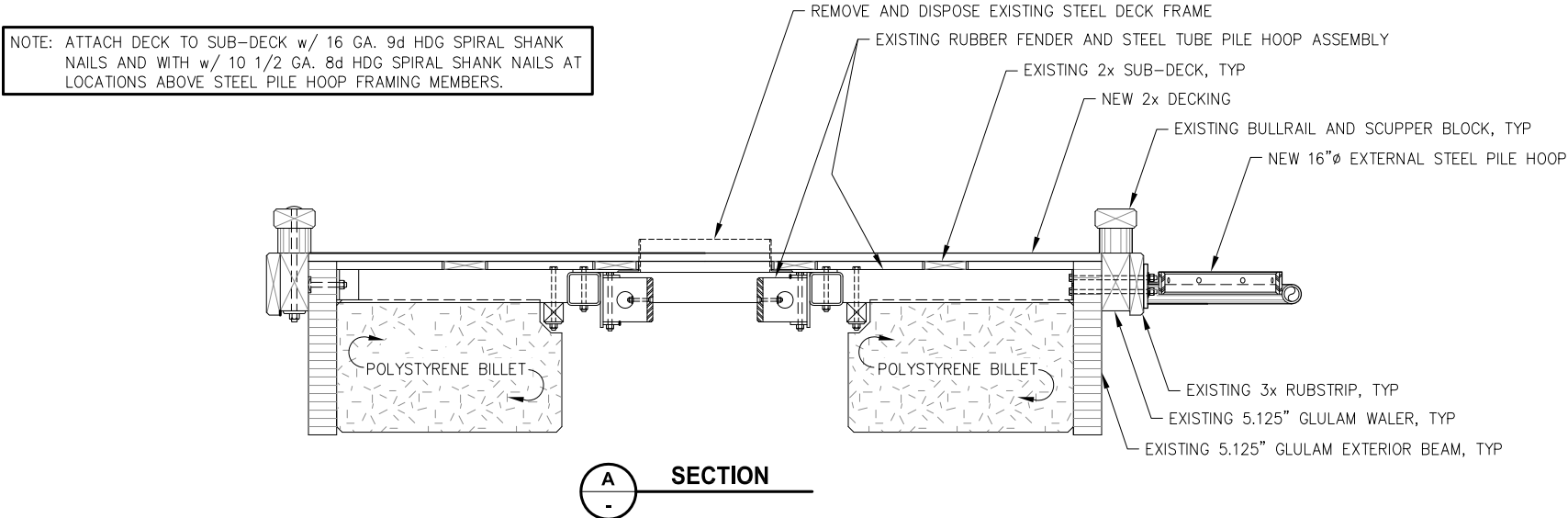
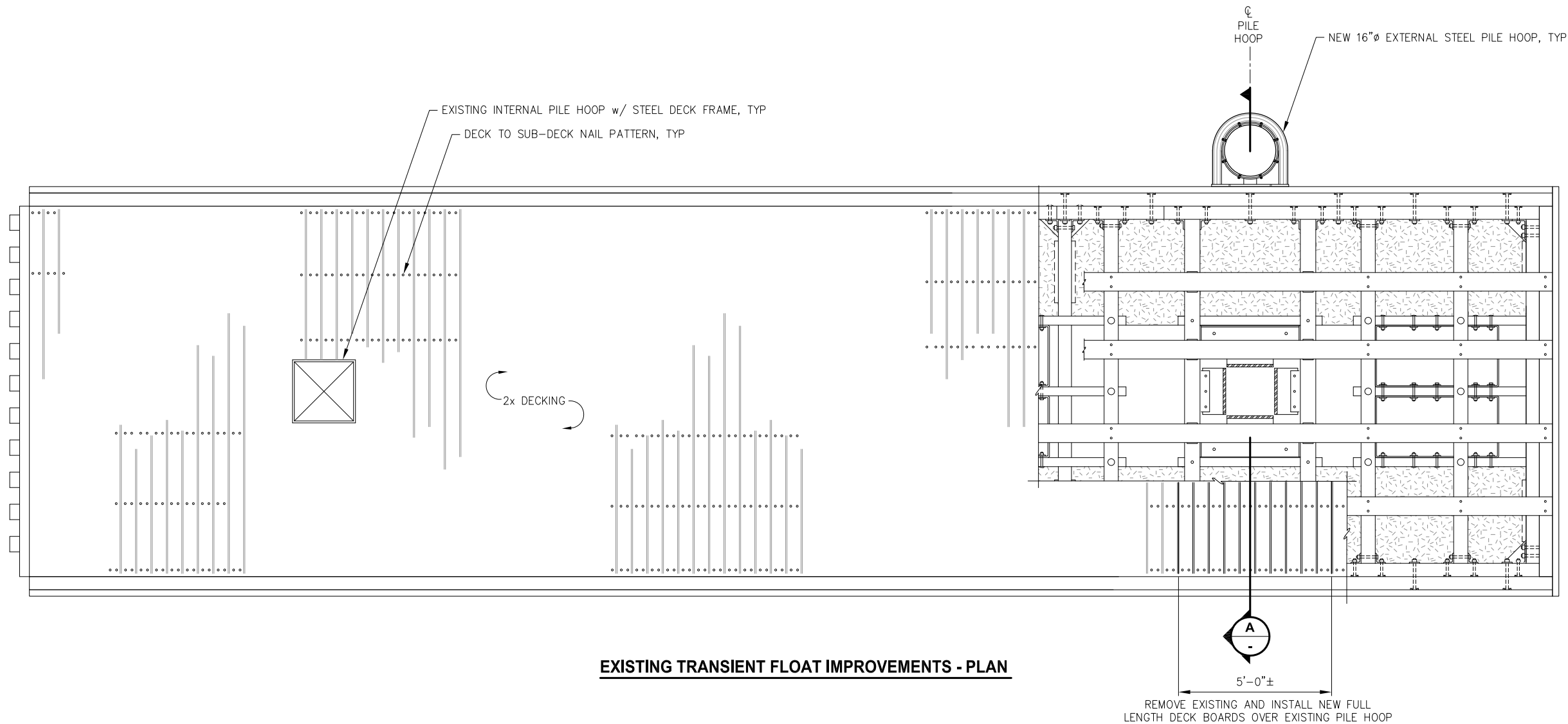
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PILE CAP RAILING DETAILS

PND PROJECT NO.: 242067

C.A.N. NO.: AECC250

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TAKU HARBOR IMPROVEMENTS
CONTRACT NO. XX-XXX-X

SHEET TITLE:
TRANSIENT FLOAT IMPROVEMENTS

PND PROJECT NO.: 242067

C.A.N. NO.: AECC250

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21

EXTERNAL 16" DIA. PILE HOOP - PLAN

EXTERNAL 16" DIA. PILE HOOP - ELEVATION

RELOCATED TRANSIENT FLOAT ANCHOR PILE

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DATE: NOV. 8, 2024

CITY & BOROUGH OF JUNEAU DOCKS & HARBORS
TAKU HARBOR IMPROVEMENTS
CONTRACT NO. XX-XXX-X

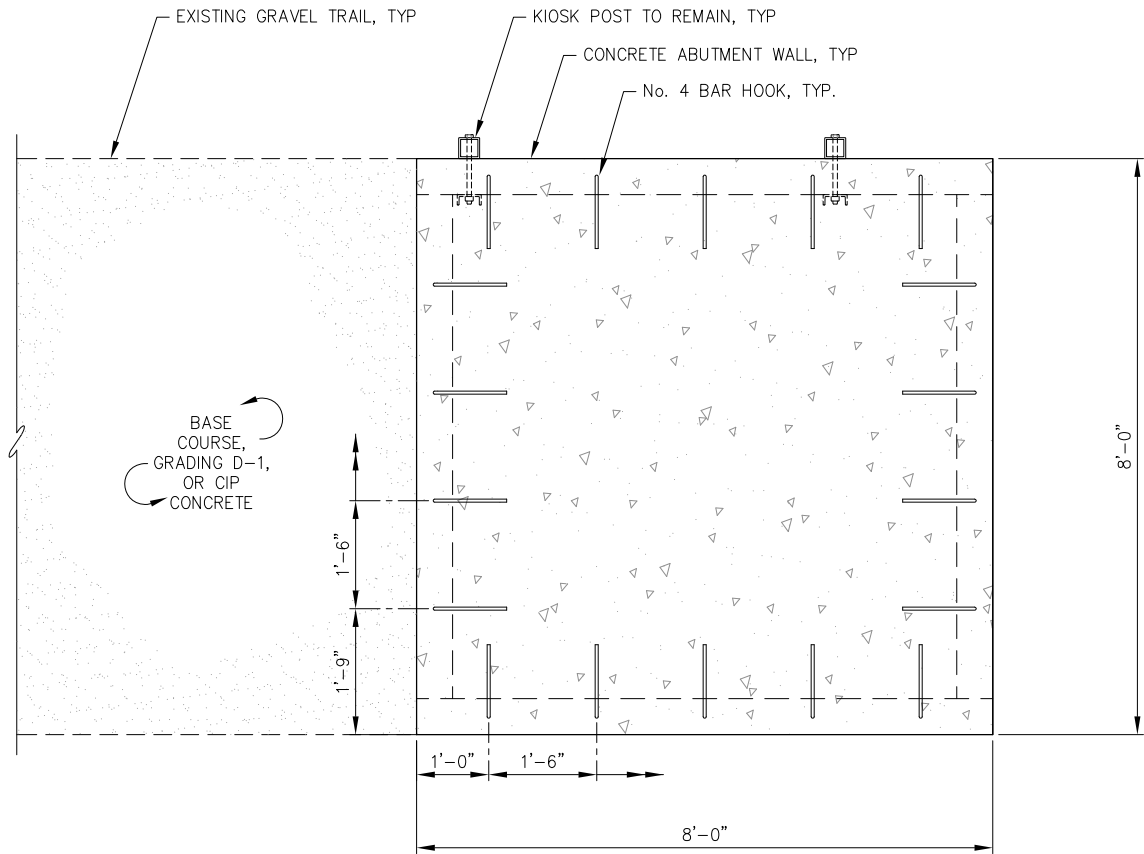
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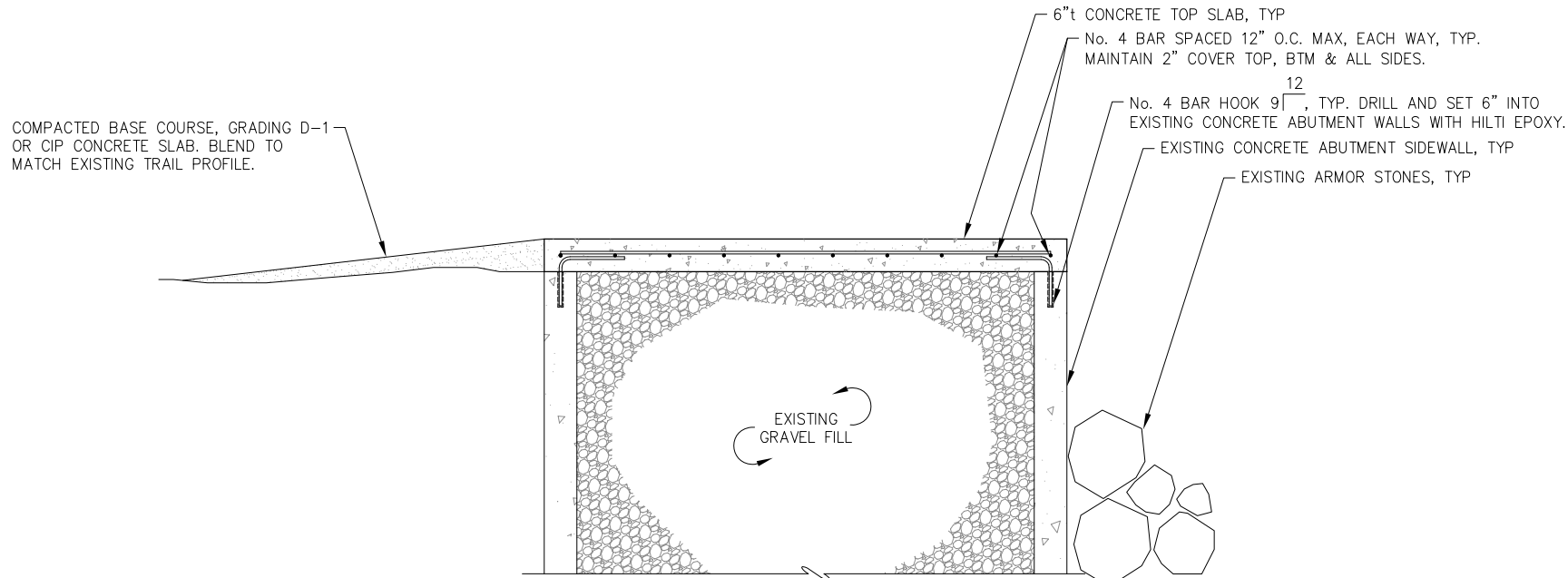
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C.A.N. NO.: AECC250

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CONCRETE ABUTMENT - PLAN



CONCRETE ABUTMENT - SECTION



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SHEET TITLE:
CONCRETE ABUTMENT DETAILS

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15

23



Port of Juneau

155 S. Seward Street • Juneau, AK 99801
(907) 586-0292 Phone • (907) 586-0295 Fax

From: Carl Uchytel
Port Director

To: Assembly

Thru: (1) Docks & Harbor Board
(2) City Manager

Date: December 6th, 2023

Re: FY2023 Review - Docks & Harbors Operations

1. In accordance with 85.02.045, *Docks and Harbors Board shall, no later than November 30th each year, provide the assembly with a written review of docks and harbors department operations during the preceding fiscal year. The review shall include fee schedules, revenues by source, operating expenditures, customers served, and any recommended amendments to the Downtown Waterfront Development Plan.* The Docks & Harbors Board reviewed this letter at its November 30th meeting.
2. The FY23 end-of-year financial report shows each enterprise operating with positive cash flow.

End of FY23	Harbor Enterprise	Docks Enterprise
Revenue	\$5,854,525	\$3,239,700
Expenditure	\$3,725,941	\$2,342,500
Debt Service	\$683,500	none
FY23 Net	\$1,445,100	\$897,200
CIP Transfer	\$750,000	none
Fund Balance	\$2,942,400	\$2,569,700

Graphic representation of historic Port Enterprise and Harbor Enterprise budgetary information is provided in enclosure (1). As a reference point, Docks & Harbors manages nearly \$400M in capital assets throughout its infrastructure portfolio.

3. The CY23 cruise ship season was a record year with 1,646,862 passengers arriving to Juneau. This was a 29% increase over the prior year.

Cruise ship passenger counts

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Large Cruise Ships	940,447	944,239	965,731	992,092	1,046,587	1,118,897	1,273,741	0	114,114	1,167,194	1,638,902
Small Cruise Ships	5,459	10,216	11,426	8,727	8,658	9,729	10,112	36	7,263	8,549	7,960
Total	945,906	954,455	977,157	1,000,819	1,055,245	1,128,626	1,283,857	36	121,377	1,175,743	1,646,862

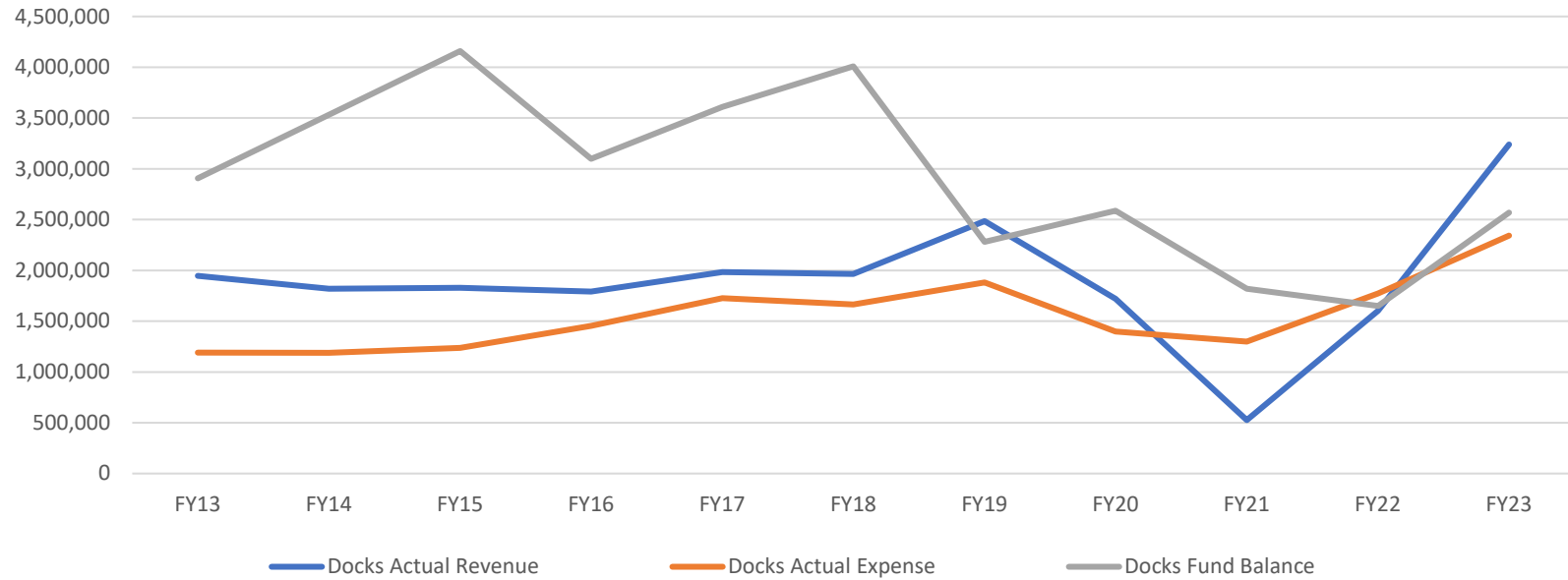
4. The fee schedule, as required under 85.02.045 for FY24, is attached as enclosure (2). After Docks & Harbors held outreach patron meetings and the requisite public hearing, the Assembly approved amendments to twenty-six regulations relating to fees on November 6th, 2023. Each of these fees will be increased 9% effective January 2024, with the exception of small boat harbor moorage which will be phased-in 3%, 3% and 2.8% over consecutive new calendar years.
5. Docks & Harbors has been engaged in several capital improvement projects in FY23.
 - a. Statter Harbor Phase III (For Hire Commercial Float and associated uplands). A contract was awarded to Dawson Construction for \$1.5M to construct restrooms (men/women/family) and covered shelter in the Statter Harbor bus staging area which was completed in June. The men and women bathrooms will be secured for the winter but the family bathroom will remain open year-round.
 - b. Marine Park Deckover. CBJ Engineering completed the design efforts and then transferred the bidding/construction management to Docks & Harbors for execution. In April, this \$2.5M project was successfully completed by Trucano Construction on time and on budget.
 - c. Aurora Phase III. After securing a \$2M matching ADOT Municipal Harbor Grant in 2022, Docks & Harbors awarded a \$4.25M contract to Trucano Construction in April. Construction of “H Float” for sixty-foot vessel slips and transient moorage will be completed by June 2024.
 - d. Aurora Phase IV. The 2022 1% Sales Tax Initiative has provided Docks & Harbors with \$5M available in local matching funds to compete for the current year ADOT Harbor Grant funding. If the grant funding is approved by the Legislature and Governor, Aurora IV could be awarded in fall 2024.
 - e. Docks & Harbors continues to work closely with AELP to advance Assembly goals to electrify the CBJ owned cruise ship docks. As a prerequisite, AELP has received the authority to proceed with purchasing the necessary infrastructure to upgrade the load tap changer transformer to the Franklin Dock Substation. A status update to the Assembly was provided in an August 31st memo.
6. In May 2023, Docks & Harbors submitted a FY23 MARAD (US Maritime Administration) Port Infrastructure Development Program (PIDP) grant for \$11.25M to construct an Aurora Harbor drive down float, similar to the one at the Auke Bay Loading Facility (ABLF). Local match was not required for this grant application; however, the Docks & Harbors Board committed \$500K to supplement our submission. Though the application was strong, we were notified in October that we were unsuccessful.
7. CBJ tideland property, managed by Docks & Harbors, was sold to Hansen-Gress with a closing date of October 31st for \$118,500. This 4,177 sf parcel was leased to the building owner (formerly Juneau Electronics). The sale was required to allow Hansen-Gress to complete an exterior renovation project.
8. In June, CBJ completed negotiations with UAS/UA Lands Director to secure the leased waterfront property from UAS between Harris and Aurora Harbors, commonly referred as Juneau Fisheries Terminal. The new lease rent for the 2.8 acre property is \$100,000 annually. The appraised fair market value for this lease property would be \$230K annually. In consideration for the lower lease rent, CBJ agreed to provide educational benefits including services provided by Docks & Harbors, Parks & Recreation, Transit and Eaglecrest.
9. Although not required under code, Docks & Harbors has completed installation of self-rescue ladders at each of its four harbors. At the request of harbor patrons, Docks & Harbors will be installing a security gate into Harris Harbor and adding security parking lot lights at Douglas Harbor.
10. Docks & Harbors is most appreciative of support from the Assembly, especially support for the 9% rate increase. The Assembly’s commitment will enable Docks & Harbors to continue to prosper with needed infrastructure improvements as well as keeping future rate increases to a modest level.

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Encl:

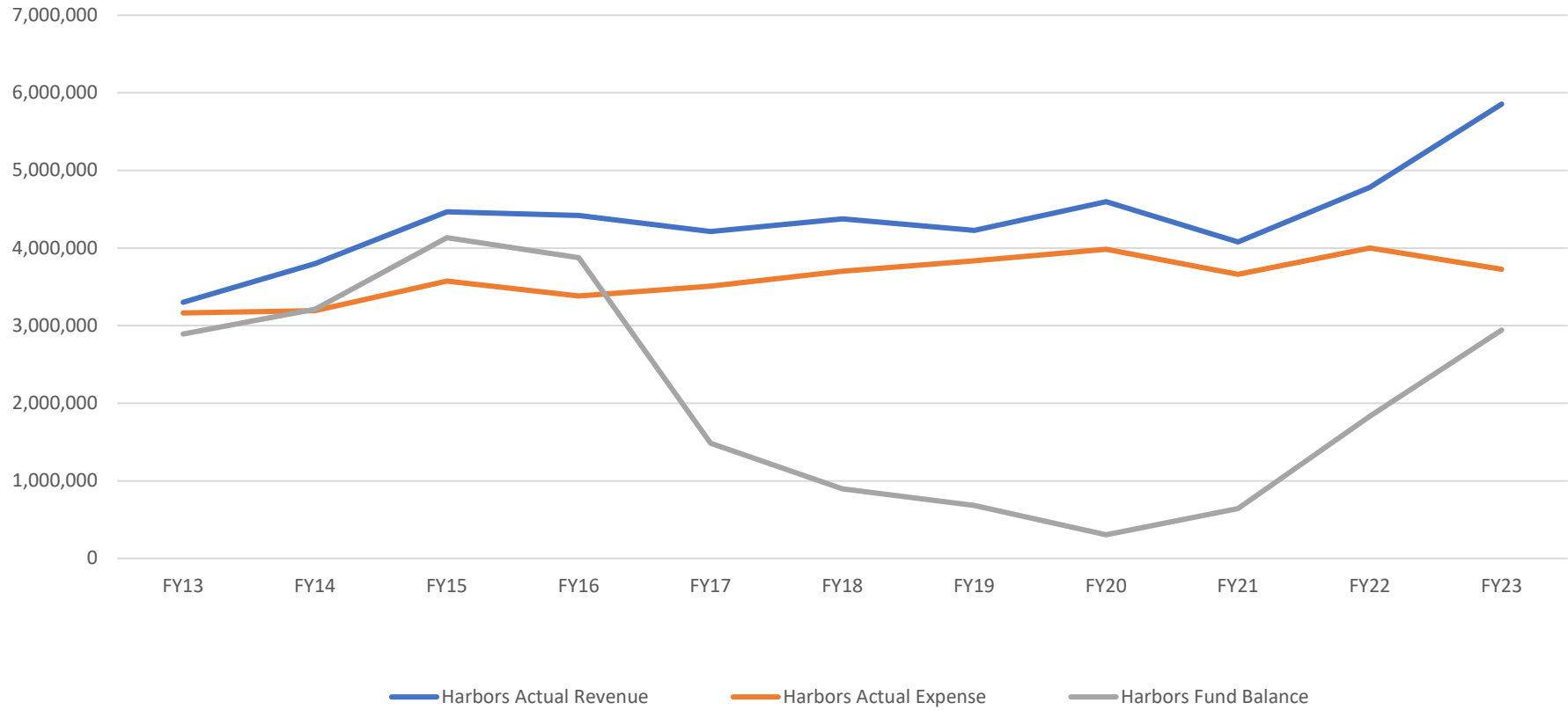
- (1) Budgetary Graphs (Docks Enterprise & Harbors Enterprise)
- (2) FY2023 & FY2024 Fee Schedule

Docks Overview

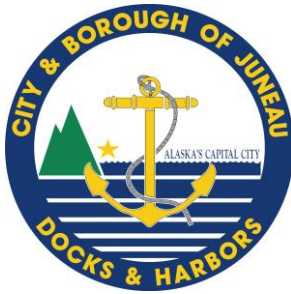


	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23
Docks Actual Revenue	1,946,900	1,820,000	1,828,400	1,792,800	1,983,100	1,964,484	2,485,900	1,718,800	526,000	1,603,300	3,239,700
Docks Actual Expense	1,189,800	1,188,500	1,238,600	1,454,100	1,727,600	1,663,167	1,881,100	1,399,100	1,297,800	1,772,700	2,342,500
Docks Fund Balance	2,907,240	3,531,061	4,159,525	3,098,254	3,609,037	4,009,076	2,279,623	2,586,600	1,818,000	1,649,800	2,569,700

Harbors Overview



	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23
Harbors Actual Revenue	3,301,200	3,800,400	4,466,300	4,418,400	4,213,000	4,374,735	4,227,700	4,597,600	4,076,700	4,783,000	5,854,525
Harbors Actual Expense	3,163,500	3,195,000	3,574,700	3,380,634	3,507,112	3,702,155	3,834,900	3,983,100	3,661,100	4,000,600	3,725,941
Harbors Fund Balance	2,893,416	3,210,757	4,133,190	3,874,843	1,485,483	895,149	682,000	305,000	642,500	1,833,800	2,942,400



DOCKS & HARBORS
155 S. Seward St.
Juneau, AK 99801
(907) 586-5255 tel
(907) 586-2507 fax
www.juneau.org/harbors

Section G, Item 4.

FY24 Moorage Rates

DOUGLAS, HARRIS AND AURORA HARBORS		
	Effective thru June 30, 2023	Effective July 1, 2023
Skiff	\$314.70 per calendar year	\$340.19 per calendar year
Daily	61¢ per foot	66¢ per foot
Calendar Month	\$4.60 per foot	\$4.97 per foot
Bi-Annual (July 1 – Dec 31) & (Jan 1 – June 30) Annual (July 1 – June 30)	5% discount on 6-month advance payment 10% discount on 12-month advanced payment	5% discount on 6-month advance payment 10% discount on 12-month advance payment
INTERMEDIATE VESSEL FLOAT AND PORT FIELD OFFICE FLOAT		
Daily (Oct 1 – Apr. 30)	61¢ per foot	66¢ per foot
Monthly (Oct 1 – Apr. 30)	\$4.60 per foot	\$4.97 per foot

STATTER HARBOR		
	Effective thru June 30, 2023	Effective July 1, 2023
Skiff	\$314.70 per calendar year	\$340.19 per calendar year
Daily	61¢ per foot	66¢ per foot
Calendar Month	\$7.66 per foot	\$8.28 per foot
Bi-Annual (July 1 – Dec 31) & (Jan 1 – June 30) Annual (July 1 – June 30)	5% discount on 6-month advance payment 10% discount on 12-month advanced payment	5% discount on 6-month advance payment 10% discount on 12-month advance payment

INTERMEDIATE VESSEL FLOAT (IVF)/STATTER HARBOR BREAKWATER RESERVATIONS		
	Effective thru March 31, 2023	Effective April 1, 2023
Reservations (May 1 – Sept 30)	Fishing Vessels \$1.50	\$1.62 per foot per day
	Other Vessels <65' \$3.00	\$3.24 per foot per day
	Other Vessels ≥ 65' \$5.00	\$5.40 per foot per day
	Other Vessels ≥200' \$3.00	\$3.24 per foot per day

VESSEL DISPOSAL SURCHARGE

	Effective thru June 30, 2023	Effective July 1, 2023
Fee applied to vessels that do not have insurance	\$.26 per foot	\$.28 per foot

Residence Surcharge

Effective July 1, 2023		
Per Month	\$78.24 + \$26.08/person above four persons	

- A 5% City & Borough of Juneau sales tax may apply to all fees
 - Rates subject to be adjusted by CPI annually

Launch Ramp Rates

Section G, Item 4.

Effective July 1, 2023

Recreational – Calendar Year (includes Kayaks) Matching registrations are required to obtain two additional permits. Please see 05 CBJAC 20.060 – Recreational Boat Launch Fees.	\$102.06 \$5 per additional permit
Recreational – Day	\$17.00
Commercial – Calendar Year	\$283.49 per trailer
Commercial – Day	\$34.02
Freight Use – Commercial	Up to 1 hour \$60 Over 1 hour \$30 for each additional hour

Parking Rates

Douglas, Harris, Aurora Harbors	Free w/ permit (permits available at Aurora Harbor office, current vehicle registration required)
Statter Harbor – Summer (May, June, July, August, September)	\$1 per hour/\$5 per calendar day
Statter Harbor – Winter (October through April)	Free w/permit (permits available at Statter Harbor office, current vehicle registration required)
Downtown Taku Lot - Summer	\$2 per hour/3 hour limit

Shorepower

Connection Type	Daily Fee
20 amp (120V, 1 phase)	\$6.29
30 amp (120V, 1 phase)	\$9.44
50 amp (208V, 1 phase)	\$26.23
100 amp (208V, 3 phase)	\$90.21
100 amp (480V, 3 phase)	\$207.70

Connection Type	Summer Liveaboard Monthly	Summer Non-Liveaboard Monthly
20 and 30 amp	\$94.41	\$56.65
50 amp	\$188.82	\$113.29
100 amp/208 volt	\$440.58	\$264.35

Connection Type	Winter Liveaboard Monthly	Winter Non-Liveaboard Monthly
20 amp	\$125.88	\$75.53
30 amp	\$169.64	\$100.70
50 amp	\$314.70	\$188.82
100 amp/208 volt	\$755.28	\$440.58

Services Provided

Power

Potable water (Year round downtown and Statter A&B Floats)
Restrooms (Aurora Harbor, Harris Harbor & Statter Harbor)
Showers (Harris Harbor & Statter Harbor)
Free Sewage pump-out (Aurora, Douglas, Harris, and Statter)
Sewage pump-out cart available at Aurora Harbor & Douglas Harbor
Harris Harbor Grid (Fee: \$1.14 per foot per day)
Please make Grid reservation at Aurora Harbor Office



DOCKS & HARBORS

Section G, Item 4.

155 Heritage Way
Juneau, AK 99801
(907) 586-5255 tel
(907) 586-2507 fax
www.juneau.org/harbors

FY24 Moorage Rates

DOUGLAS, HARRIS AND AURORA HARBORS		
	Effective thru December 31, 2023	Effective January 1, 2024
Skiff	\$340.19 per calendar year	\$370.81 per calendar year
Daily	66¢ per foot	.72¢ per foot
Calendar Month	\$4.97 per foot	\$5.12 per foot
Bi-Annual (July 1 – Dec 31) & (Jan 1 – June 30) Annual (July 1 – June 30)	5% discount on 6-month advance payment 10% discount on 12-month advanced payment	5% discount on 6-month advance payment 10% discount on 12-month advance payment
Intermediate Vessel Float and Port Field Office Float		
Daily (Oct 1 – Apr. 30)	66¢ per foot	.72¢ per foot
Monthly (Oct 1 – Apr. 30)	\$4.97 per foot	\$5.25 per foot

STATTER HARBOR		
	Effective thru December 31, 2023	Effective January 1, 2024
Skiff	\$340.19 per calendar year	\$370.81 per calendar year
Daily	66¢ per foot	.72¢ per foot
Calendar Month	\$8.28 per foot	\$8.53 per foot
Bi-Annual (July 1 – Dec 31) & (Jan 1 – June 30) Annual (July 1 – June 30)	5% discount on 6-month advance payment 10% discount on 12-month advanced payment	5% discount on 6-month advance payment 10% discount on 12-month advance payment

INTERMEDIATE VESSEL FLOAT (IVF)/STATTER HARBOR BREAKWATER RESERVATIONS		
	Effective thru December 31, 2023	Effective January 1, 2024
Reservations (May 1 – Sept 30)	Fishing Vessels \$1.62 Other Vessels <65' \$3.24 Other Vessels ≥ 65' \$5.40 Other Vessels ≥200' \$3.24	\$1.77 per foot per day \$3.53 per foot per day \$5.89 per foot per day \$3.53 per foot per day

Residence Surcharge

Effective January 1, 2024

Per Month	\$85.28 + \$28.43/person above four persons	
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- A 5% City & Borough of Juneau sales tax may apply to all fees
 - Rates subject to be adjusted by CPI annually

Launch Ramp Rates

Section G, Item 4.

Effective January 1, 2024

Recreational – Calendar Year (includes Kayaks) Matching registrations are required to obtain two additional permits. Please see 05 CBJAC 20.060 – Recreational Boat Launch Fees.	\$111.25 \$5 per additional permit
Recreational – Day	\$18.53
Commercial – Calendar Year	\$309.00 per trailer
Commercial – Day	\$37.08
Freight Use – Commercial	Up to 1 hour \$60 Over 1 hour \$30 for each additional hour

Parking Rates

Douglas, Harris, Aurora Harbors	Free w/ permit (permits available at Aurora Harbor office, current vehicle registration required)
Statter Harbor – Summer (May, June, July, August, September)	\$1 per hour/\$5 per calendar day
Statter Harbor – Winter (October through April)	Free w/permit (permits available at Statter Harbor office, current vehicle registration required)
Downtown Taku Lot - Summer	\$2 per hour/3 hour limit

Shorepower

Connection Type	Daily Fee
20 amp (120V, 1 phase)	\$7.41
30 amp (120V, 1 phase)	\$11.29
50 amp (208V, 1 phase)	\$30.90
100 amp (208V, 3 phase)	\$106.30
100 amp (480V, 3 phase)	\$244.73

Connection Type	Summer Liveaboard Monthly	Summer Non-Liveaboard Monthly
20 and 30 amp	\$112.25	\$66.75
50 amp	\$244.73	\$133.49
100 amp/208 volt	\$519.13	\$311.48
100 amp/480 volt	\$1,223.67	\$726.78

Connection Type	Winter Liveaboard Monthly	Winter Non-Liveaboard Monthly
20 amp	\$148.33	\$89.00
30 amp	\$199.88	\$118.66
50 amp	\$370.81	\$222.48
100 amp/208 volt	\$889.94	\$519.13
100 amp/480 volt	\$2,076.53	\$1,201.42

Services Provided

Power

Potable water (Year round downtown and Statter A&B Floats)
Restrooms (Aurora Harbor, Harris Harbor & Statter Harbor)
Showers (Harris Harbor & Statter Harbor)
Free Sewage pump-out (Aurora, Douglas, Harris, and Statter)
Sewage pump-out cart available at Aurora Harbor & Douglas Harbor
Harris Harbor Grid (Fee: \$1.24 per foot per day)
Please make Grid reservation at Aurora Harbor Office