

**THIS PROJECT**

**PURPOSE:**

TO IMPROVE ACCESS, SECURITY, BERTHING CAPACITY AND SAFETY AT THE CBJ DOWNTOWN CRUISE SHIP DOCKS.

**DATUM:**  
MLLW = 0.0 FT

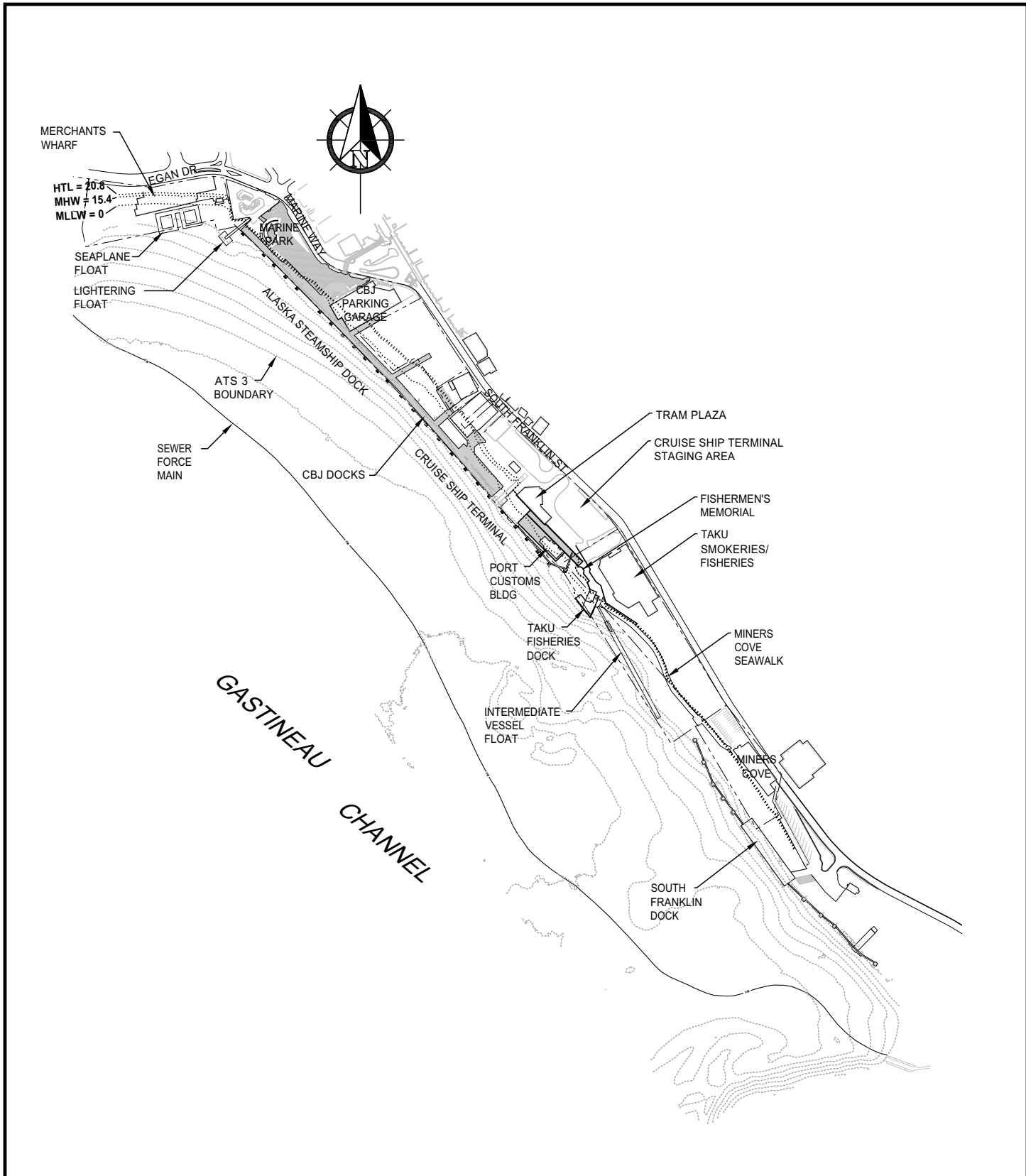
HTL = 20.8'  
MHW = 15.4'  
MLLW = 0.0'

**VICINITY MAP  
LOCATION MAP**

APPLICANT ADDRESS:  
CITY AND BOROUGH OF JUNEAU  
DOCKS & HARBOR DEPT.  
155 S. SEWARD STREET  
JUNEAU, AK 99801  
PND#: 102050.01

**CBJ DOWNTOWN  
CRUISE SHIP DOCKS  
RECONFIGURATION  
PROPOSED MODIFICATIONS**

IN: GASTINEAU CHANNEL  
NEAR: JUNEAU  
AT: DOWNTOWN CRUISE SHIP DOCKS  
APPLICATION BY: CITY AND BOROUGH OF JUNEAU  
DATE: JANUARY 2013



#### PURPOSE:

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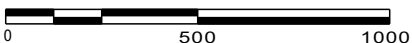
MLLW = 0.0 FT

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#### EXISTING CONDITIONS

#### SITE PLAN

SCALE IN FEET



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PND#: 102050.01

#### CBJ DOWNTOWN CRUISE SHIP DOCKS RECONFIGURATION PROPOSED MODIFICATIONS

IN: GASTINEAU CHANNEL

NEAR: JUNEAU

AT: DOWNTOWN CRUISE SHIP DOCKS

APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATE: JANUARY 2013

SHEET 2 OF 15



HTL = 20.8  
MHW = 15.4  
MLLW = 0

HTL = 20.8  
MHW = 15.4  
MLLW = 0

PROPOSED RETAINING WALL,  
MOORAGE FLOAT AND  
TAKU SMOKERIES IMPROVEMENTS,  
SEE SHEETS 6 & 7.

HTL = 20.8  
MHW = 15.4  
MLLW = 0

PROPOSED  
NORTH BERTH  
BOUNDARY,  
SEE SHEET 4

PROPOSED  
SOUTH BERTH  
BOUNDARY,  
SEE SHEET 5

GASTINEAU  
CHANNEL

#### PURPOSE:

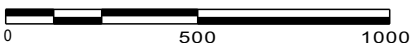
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#### PROPOSED SITE PLAN

SCALE IN FEET



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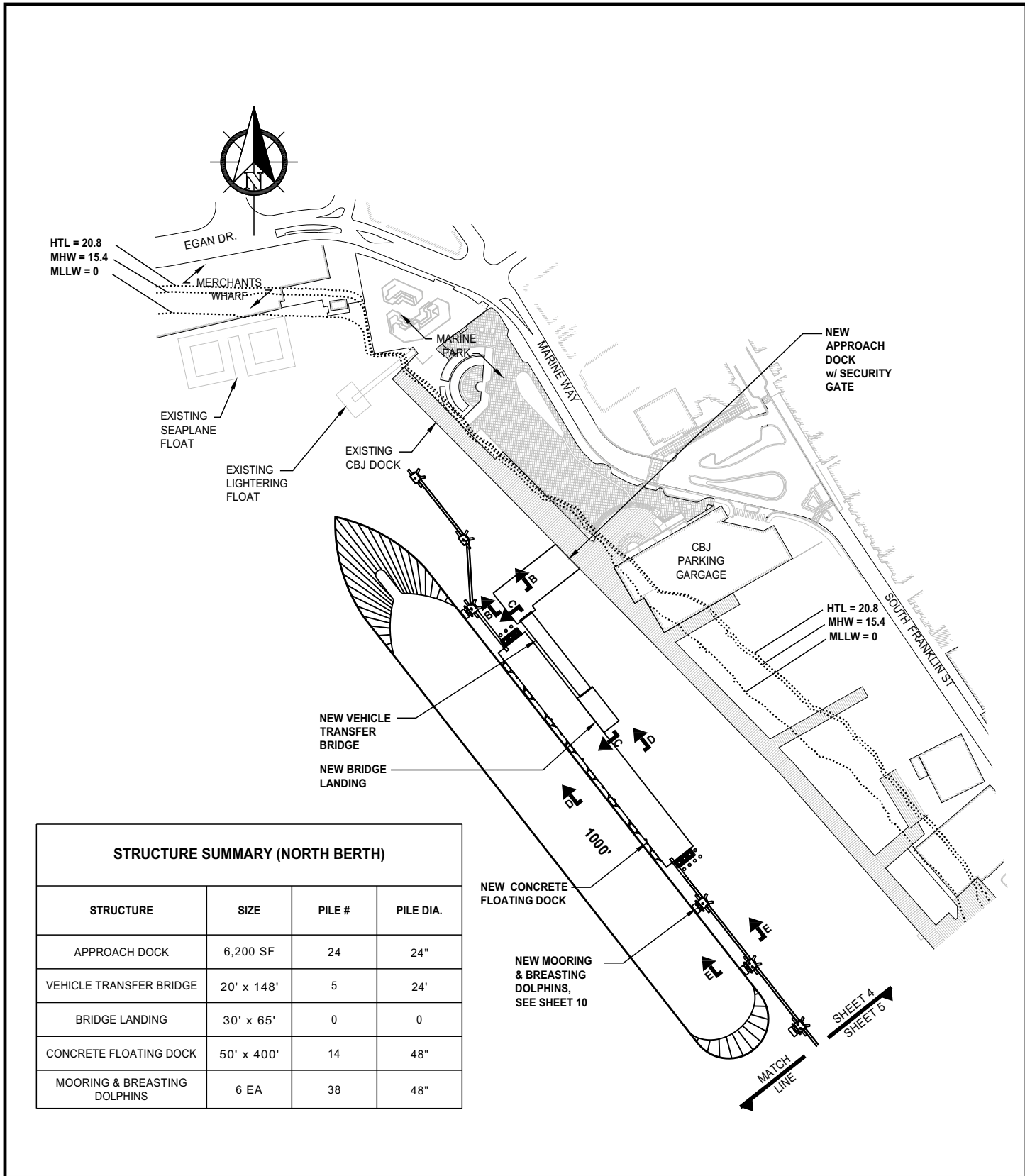
PND#: 102050.01

#### CBJ DOWNTOWN CRUISE SHIP DOCKS RECONFIGURATION PROPOSED MODIFICATIONS

IN: GASTINEAU CHANNEL  
NEAR: JUNEAU  
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APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATE: JANUARY 2013

SHEET 3 OF 15



**STRUCTURE SUMMARY (NORTH BERTH)**

STRUCTURE	SIZE	PILE #	PILE DIA.
APPROACH DOCK	6,200 SF	24	24"
VEHICLE TRANSFER BRIDGE	20' x 148'	5	24"
BRIDGE LANDING	30' x 65'	0	0
CONCRETE FLOATING DOCK	50' x 400'	14	48"
MOORING & BREASTING DOLPHINS	6 EA	38	48"

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MHW = 15.4'  
MLLW = 0.0'

**NORTH BERTH  
PROPOSED SITE PLAN**

SCALE IN FEET



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**CBJ DOWNTOWN  
CRUISE SHIP DOCKS  
RECONFIGURATION  
PROPOSED MODIFICATIONS**

IN: GASTINEAU CHANNEL

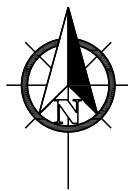
NEAR: JUNEAU

AT: DOWNTOWN CRUISE SHIP DOCKS

APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATE: JANUARY 2013

SHEET 4 OF 15



HTL = 20.8  
MHW = 15.4  
MLLW = 0

EXISTING  
CBJ DOCK

NEW  
APPROACH  
DOCK W/  
SECURITY  
GATE

SOUTH FRANKLIN ST

CRUISE SHIP  
TERMINAL  
STAGING  
AREA

TAKU  
SMOKERIES/  
FISHERIES  
BLDG

MINERS  
COVE  
SEAWALK

NEW VEHICLE  
TRANSFER BRIDGE

NEW BRIDGE  
LANDING

NEW CONCRETE  
FLOATING DOCK

SEE  
SHEETS  
6 & 7

INTERMEDIATE  
VESSEL  
FLOAT

NEW  
NAVIGATIONAL  
BOOM,  
SEE SHEET 15

NEW MOORING &  
BREASTING DOLPHINS,  
SEE SHEET 9

#### STRUCTURE SUMMARY (SOUTH BERTH)

STRUCTURE	SIZE	PILE #	PILE DIA.
APPROACH DOCK	7,800 SF	26	24"
VEHICLE TRANSFER BRIDGE	20' x 148'	5	24"
BRIDGE LANDING	30' x 65'	0	0
CONCRETE FLOATING DOCK	50' x 300'	14	48"
MOORING AND BREASTING DOLPHINS	7 EA	47	48"
NAVIGATIONAL BOOM	410 LF	5	48"

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CRUISE SHIP DOCKS.

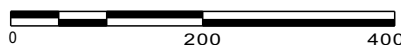
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#### SOUTH BERTH PROPOSED SITE PLAN

SCALE IN FEET



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#### CBJ DOWNTOWN CRUISE SHIP DOCKS RECONFIGURATION PROPOSED MODIFICATIONS

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NEAR: JUNEAU

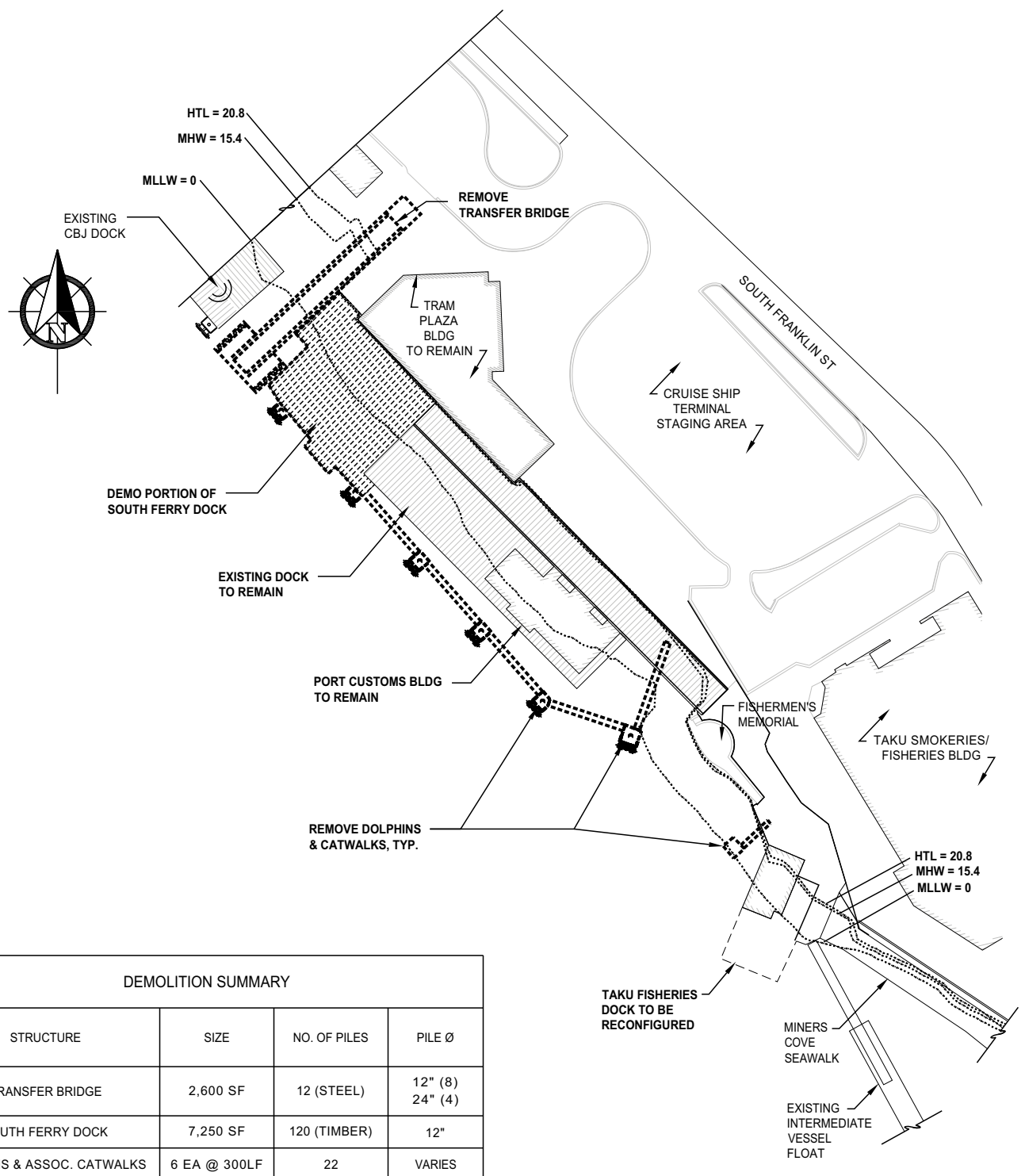
AT: DOWNTOWN CRUISE SHIP DOCKS

APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATE: JANUARY 2013

SHEET 5 OF 15





DEMOLITION SUMMARY

STRUCTURE	SIZE	NO. OF PILES	PILE Ø
TRANSFER BRIDGE	2,600 SF	12 (STEEL)	12" (8) 24" (4)
SOUTH FERRY DOCK	7,250 SF	120 (TIMBER)	12"
DOLPHINS & ASSOC. CATWALKS	6 EA @ 300LF	22	VARIES

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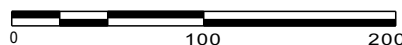
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#### TRANSFER BRIDGE PROPOSED DEMOLITION PLAN

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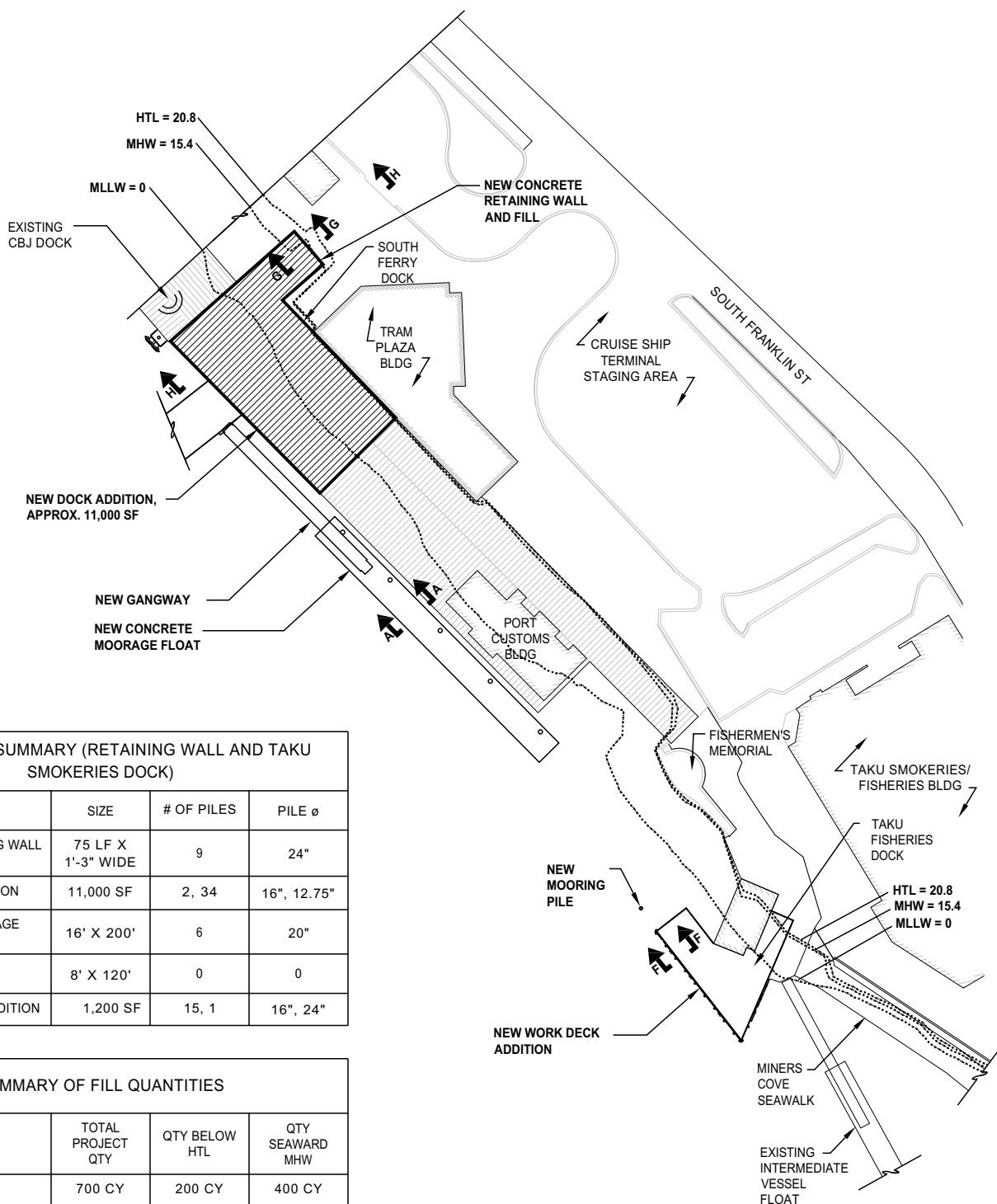
NEAR: JUNEAU

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APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATE: JANUARY 2013

SHEET 6 OF 15



STRUCTURE SUMMARY (RETAINING WALL AND TAKU SMOKERIES DOCK)

STRUCTURE	SIZE	# OF PILES	PILE $\phi$
CONCRETE RETAINING WALL AND FILL	75 LF X 1'-3" WIDE	9	24"
NEW DOCK ADDITION	11,000 SF	2, 34	16", 12.75"
CONCRETE MOORAGE FLOAT	16' X 200'	6	20"
GANGWAY	8' X 120'	0	0
NEW WORK DECK ADDITION	1,200 SF	15, 1	16", 24"

SUMMARY OF FILL QUANTITIES

MATERIAL	TOTAL PROJECT QTY	QTY BELOW HTL	QTY SEAWARD MHW
FILL	700 CY	200 CY	400 CY
BASE COURSE	20 CY	20 CY	20 CY
RIP RAP	50 CY	50 CY	50 CY
EXCAVATION	100 CY	0 CY	0 CY

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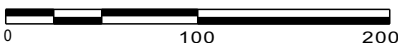
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#### TRANSFER BRIDGE PROPOSED SITE PLAN

SCALE IN FEET



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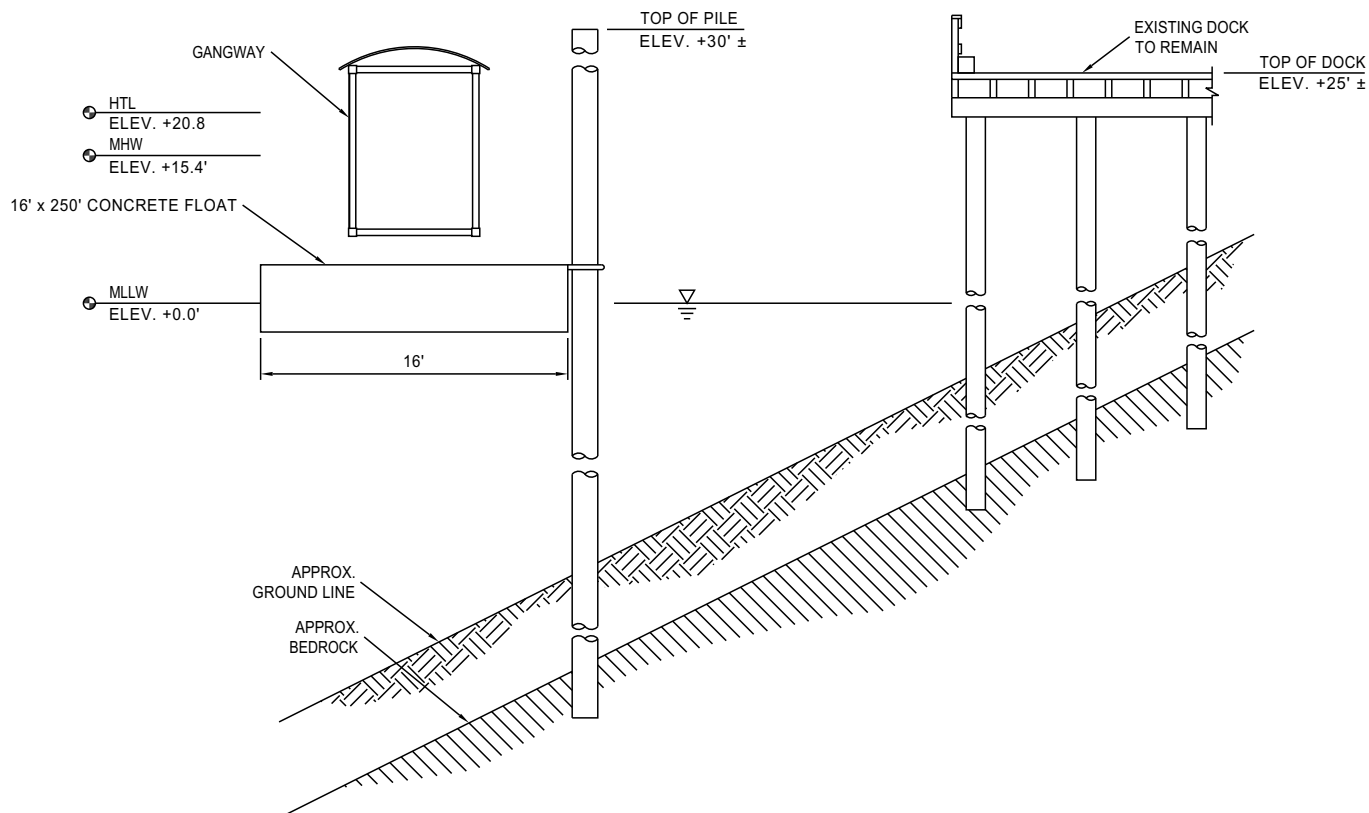
NEAR: JUNEAU

AT: DOWNTOWN CRUISE SHIP DOCKS

APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATE: JANUARY 2013

SHEET 7 OF 15



SECTION A-A

# PURPOSE:

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# SECTIONS

APPLICANT ADDRESS:  
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# CBJ DOWNTOWN CRUISE SHIP DOCKS RECONFIGURATION PROPOSED MODIFICATIONS

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NEAR: JUNEAU

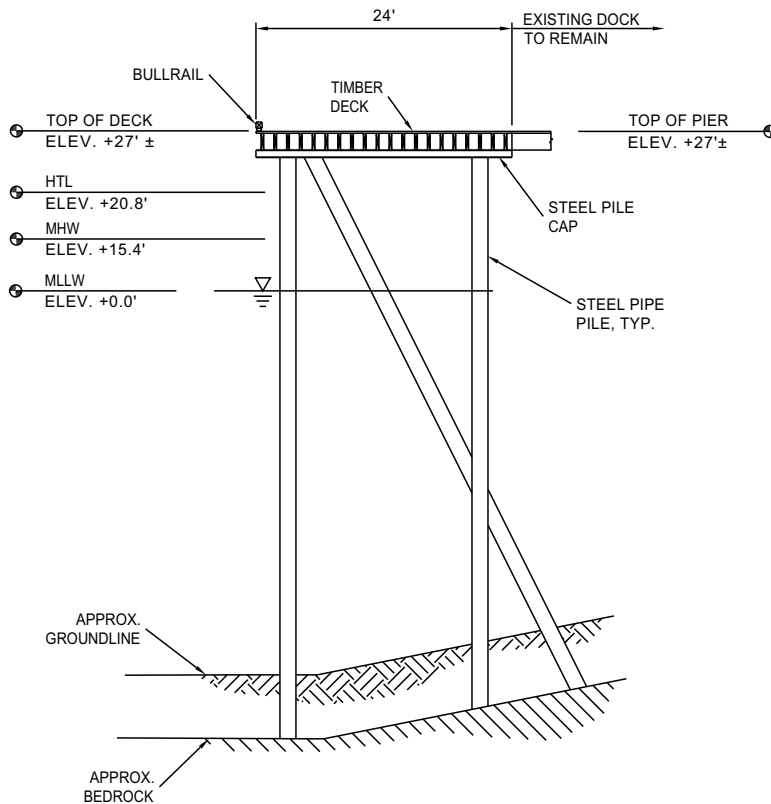
AT: DOWNTOWN CRUISE SHIP DOCKS

APPLICATION BY: CITY AND BOROUGH OF JUNEAU

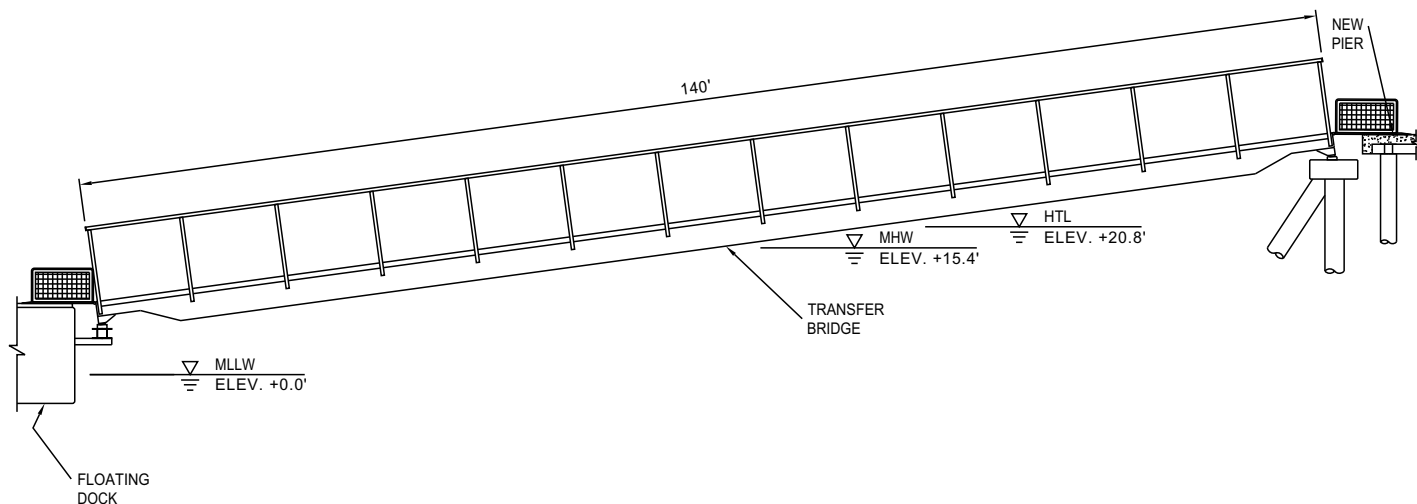
DATE: JANUARY 2013

SHEET 8 OF 15





**SECTION B-B**



**SECTION C-C**

**PURPOSE:**

TO IMPROVE ACCESS, SECURITY, BERTHING CAPACITY AND SAFETY AT THE CBJ DOWNTOWN CRUISE SHIP DOCKS.

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**SECTIONS**

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**CBJ DOWNTOWN  
CRUISE SHIP DOCKS  
RECONFIGURATION  
PROPOSED MODIFICATIONS**

IN: GASTINEAU CHANNEL

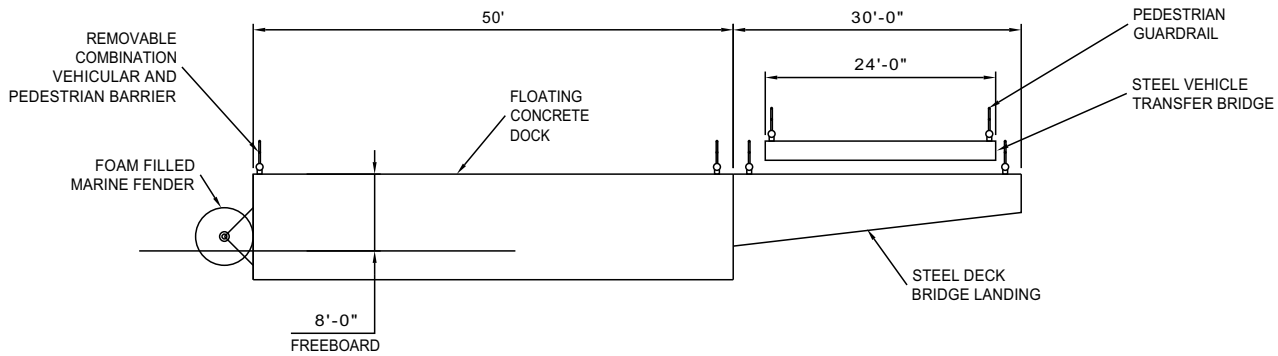
NEAR: JUNEAU

AT: DOWNTOWN CRUISE SHIP DOCKS

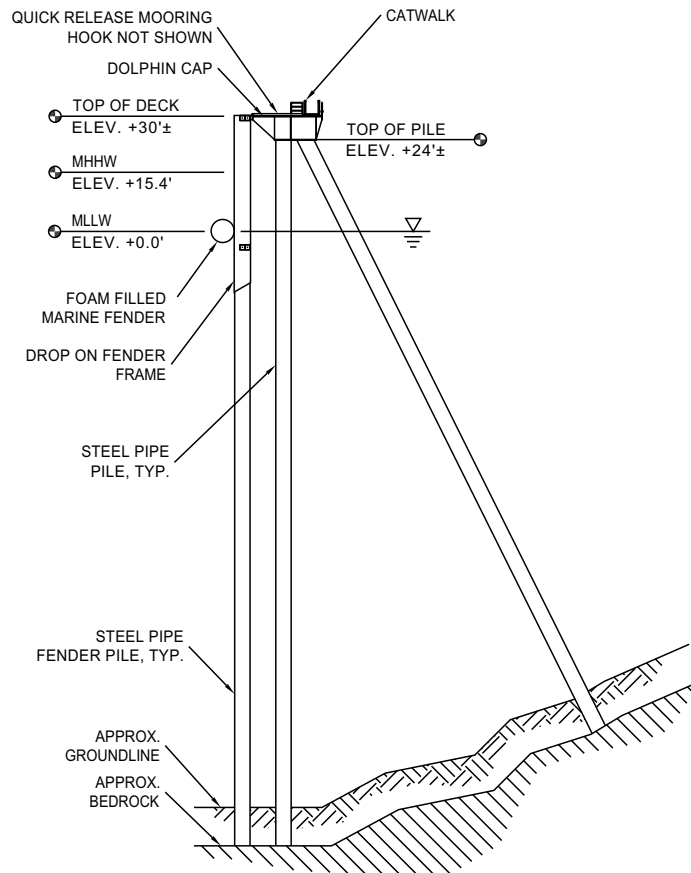
APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATE: JANUARY 2013

SHEET 9 OF 15



SECTION D-D



SECTION E-E

**PURPOSE:**

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**SECTIONS**

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PND#: 102050.01

**CBJ DOWNTOWN  
CRUISE SHIP DOCKS  
RECONFIGURATION  
PROPOSED MODIFICATIONS**

IN: GASTINEAU CHANNEL

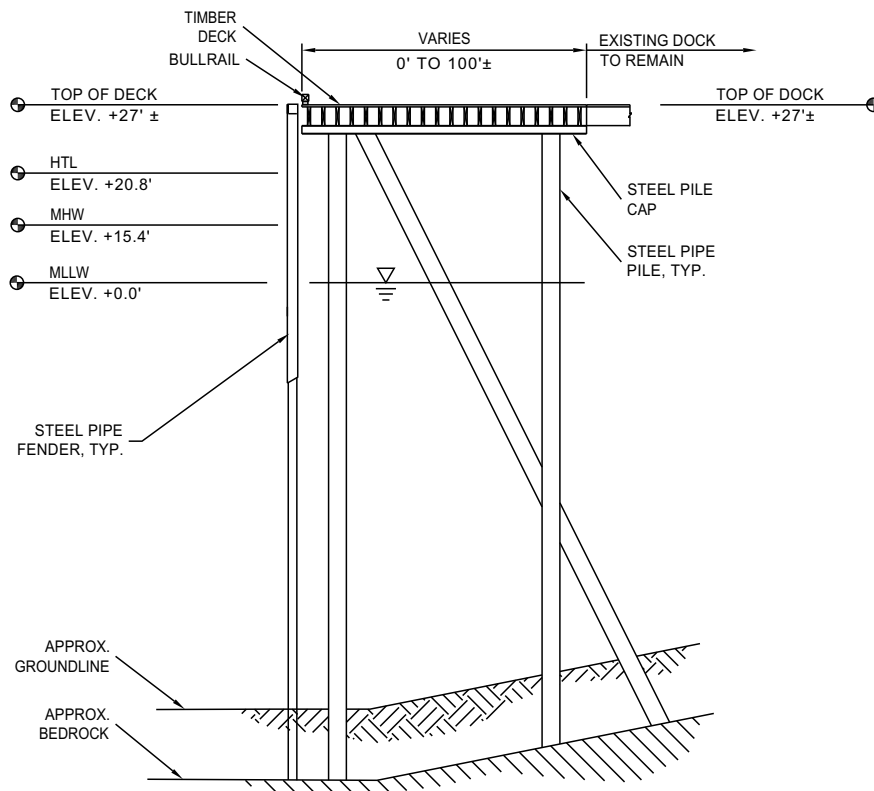
NEAR: JUNEAU

AT: DOWNTOWN CRUISE SHIP DOCKS

APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATE: JANUARY 2013

SHEET 10 OF 15



**SECTION F-F**

**PURPOSE:**

TO IMPROVE ACCESS, SECURITY, BERTHING CAPACITY AND SAFETY AT THE CBJ DOWNTOWN CRUISE SHIP DOCKS.

**DATUM:**

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HTL = 20.8'  
MHW = 15.4'  
MLLW = 0.0'

**SECTIONS**

APPLICANT ADDRESS:  
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**CBJ DOWNTOWN  
CRUISE SHIP DOCKS  
RECONFIGURATION  
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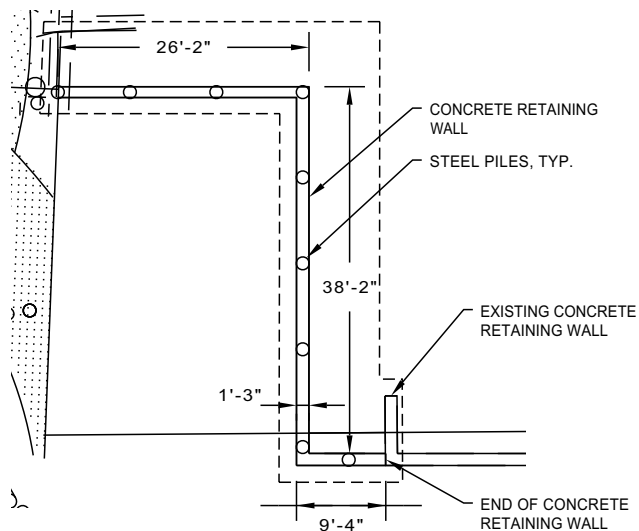
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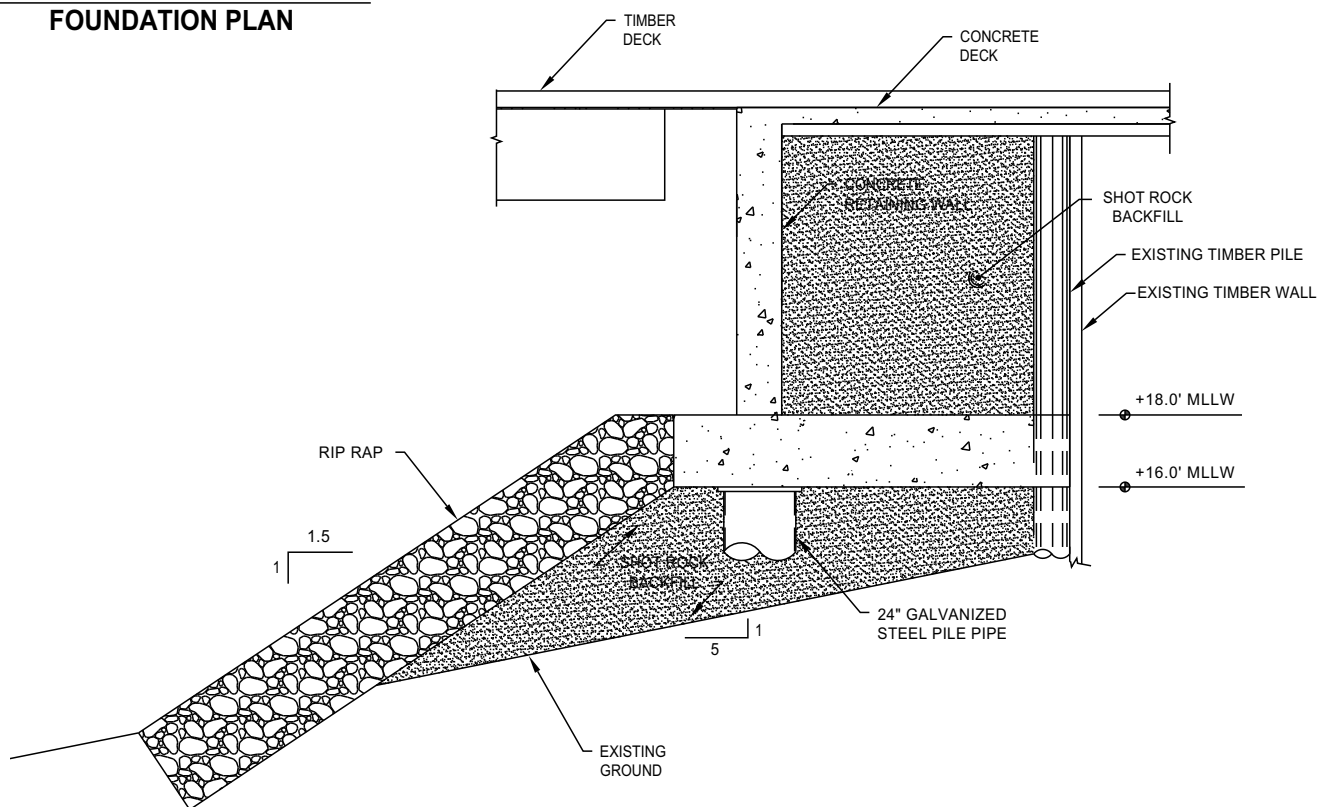
APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATE: JANUARY 2013

SHEET 11 OF 15



**RETAINING WALL  
FOUNDATION PLAN**



**SECTION G-G**

**PURPOSE:**

TO IMPROVE ACCESS, SECURITY, BERTHING CAPACITY AND SAFETY AT THE CBJ DOWNTOWN CRUISE SHIP DOCKS.

**DATUM:**

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MLLW = 0.0'

**SECTION AT TIMBER WALL**

**NTS**

APPLICANT ADDRESS:  
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**CBJ DOWNTOWN  
CRUISE SHIP DOCKS  
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PROPOSED MODIFICATIONS**

IN: GASTINEAU CHANNEL

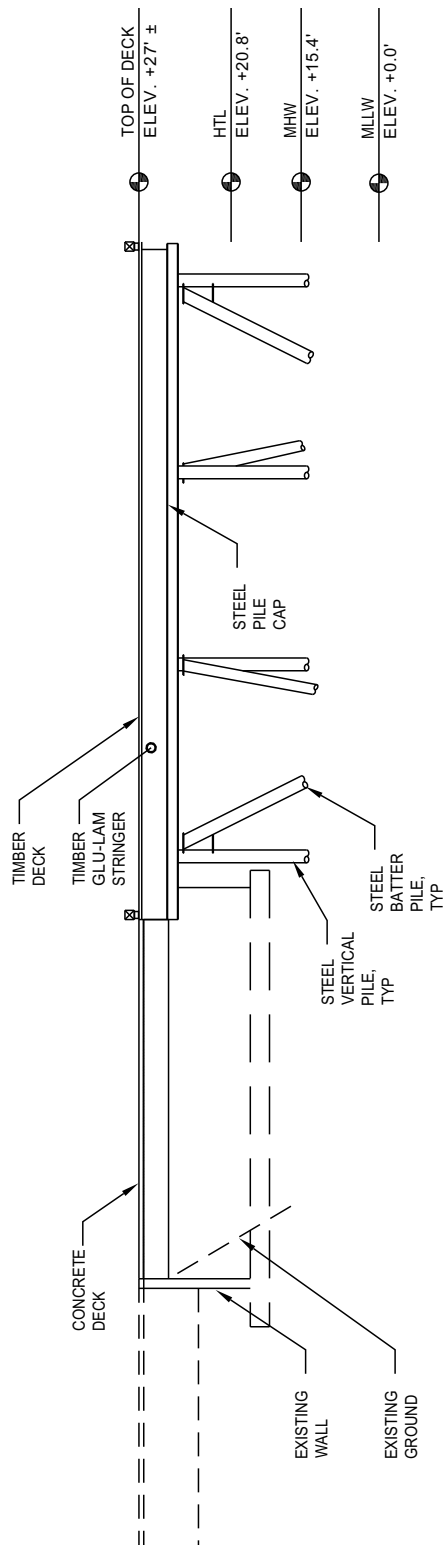
NEAR: JUNEAU

AT: DOWNTOWN CRUISE SHIP DOCKS

APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATE: JANUARY 2013

SHEET 12 OF 15



# SECTION H-H

## PURPOSE:

TO IMPROVE ACCESS, SECURITY, BERTHING CAPACITY AND SAFETY AT THE CBJ DOWNTOWN CRUISE SHIP DOCKS.

## DATUM:

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MLLW = 0.0'

## PORT CUSTOMS DOCK SECTION

APPLICANT ADDRESS:  
CITY AND BOROUGH OF JUNEAU  
DOCKS & HARBOR DEPT.  
155 S. SEWARD STREET  
JUNEAU, AK 99801

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## CBJ DOWNTOWN CRUISE SHIP DOCKS RECONFIGURATION PROPOSED MODIFICATIONS

IN: GASTINEAU CHANNEL

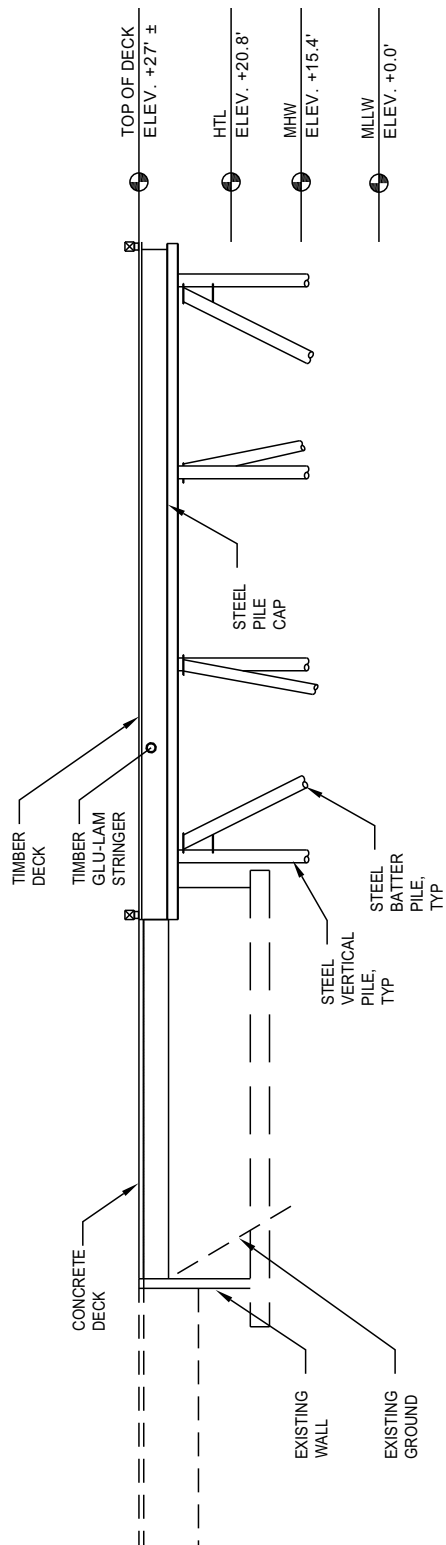
NEAR: JUNEAU

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APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATE: JANUARY 2013

SHEET 13 OF 15



# SECTION H-H

## PURPOSE:

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## DATUM:

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HTL = 20.8'  
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MLLW = 0.0'

## PORT CUSTOMS DOCK SECTION

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## CBJ DOWNTOWN CRUISE SHIP DOCKS RECONFIGURATION PROPOSED MODIFICATIONS

IN: GASTINEAU CHANNEL

NEAR: JUNEAU

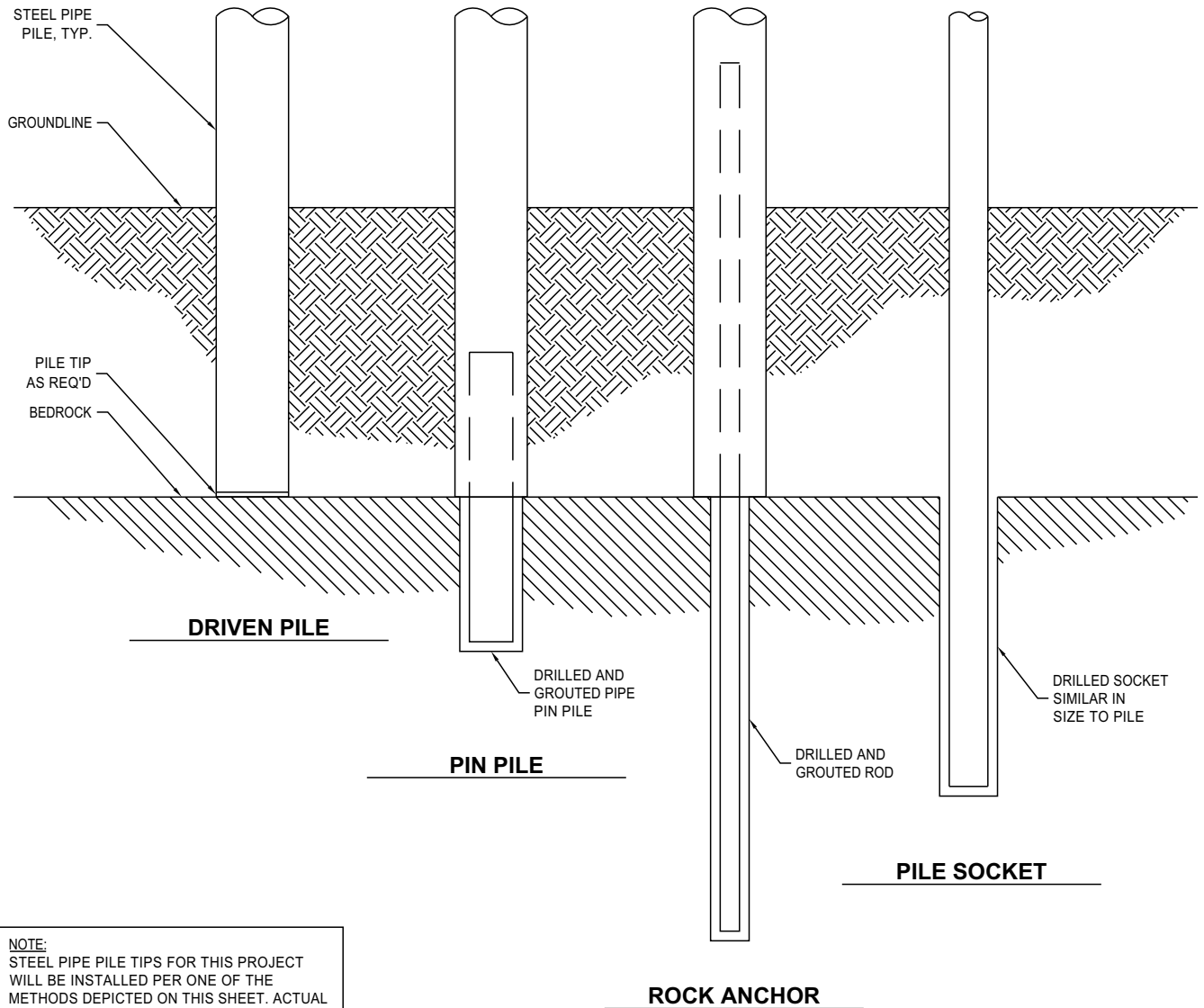
AT: DOWNTOWN CRUISE SHIP DOCKS

APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATE: JANUARY 2013

SHEET 13 OF 15





**NOTE:**  
STEEL PIPE PILE TIPS FOR THIS PROJECT WILL BE INSTALLED PER ONE OF THE METHODS DEPICTED ON THIS SHEET. ACTUAL METHOD TO BE DETERMINED AS SUBSURFACE CONDITIONS BECOME KNOWN. ALL PILES DRIVEN TO IMPACT HAMMER REFUSAL

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#### PILE DETAILS

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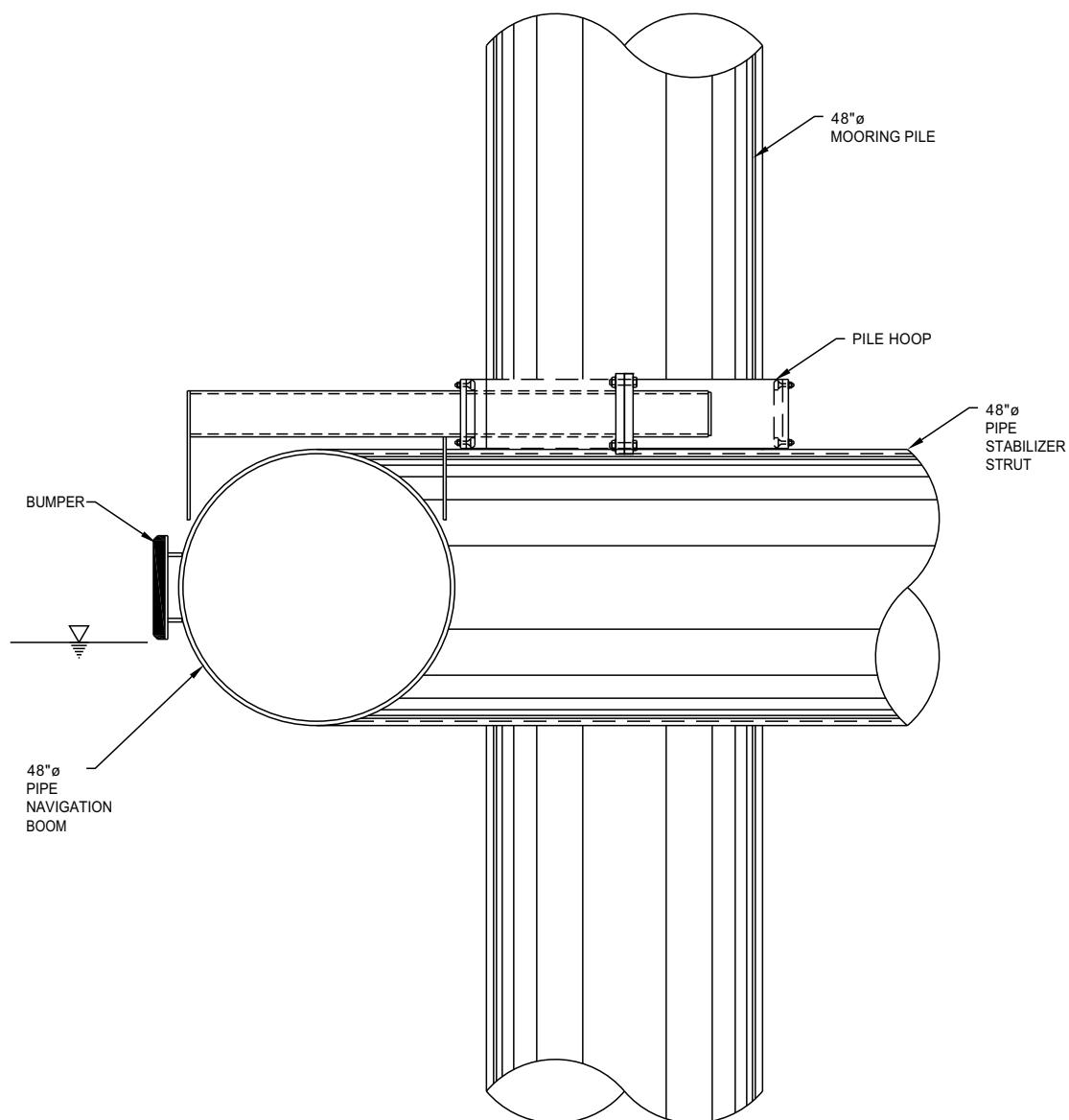
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SHEET 14 OF 15



### SECTION J-J

#### PURPOSE:

TO IMPROVE ACCESS, SECURITY, BERTHING  
CAPACITY AND SAFETY AT THE CBJ DOWNTOWN  
CRUISE SHIP DOCKS.

#### DATUM:

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#### PIPE NAVIGATION BOOM

#### NTS

APPLICANT ADDRESS:  
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SHEET 15 OF 15