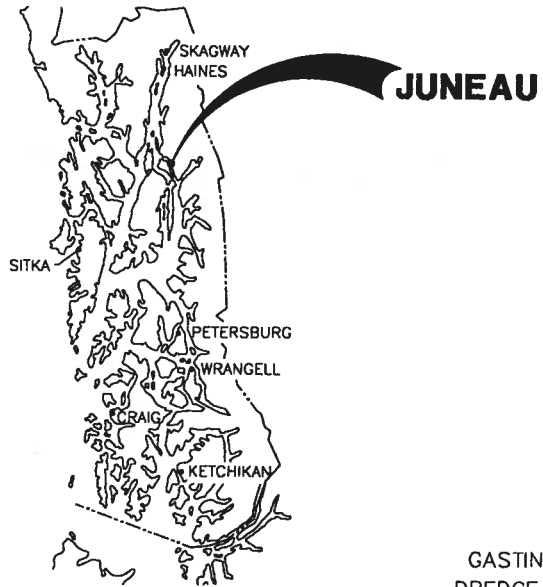




LOCATION MAP



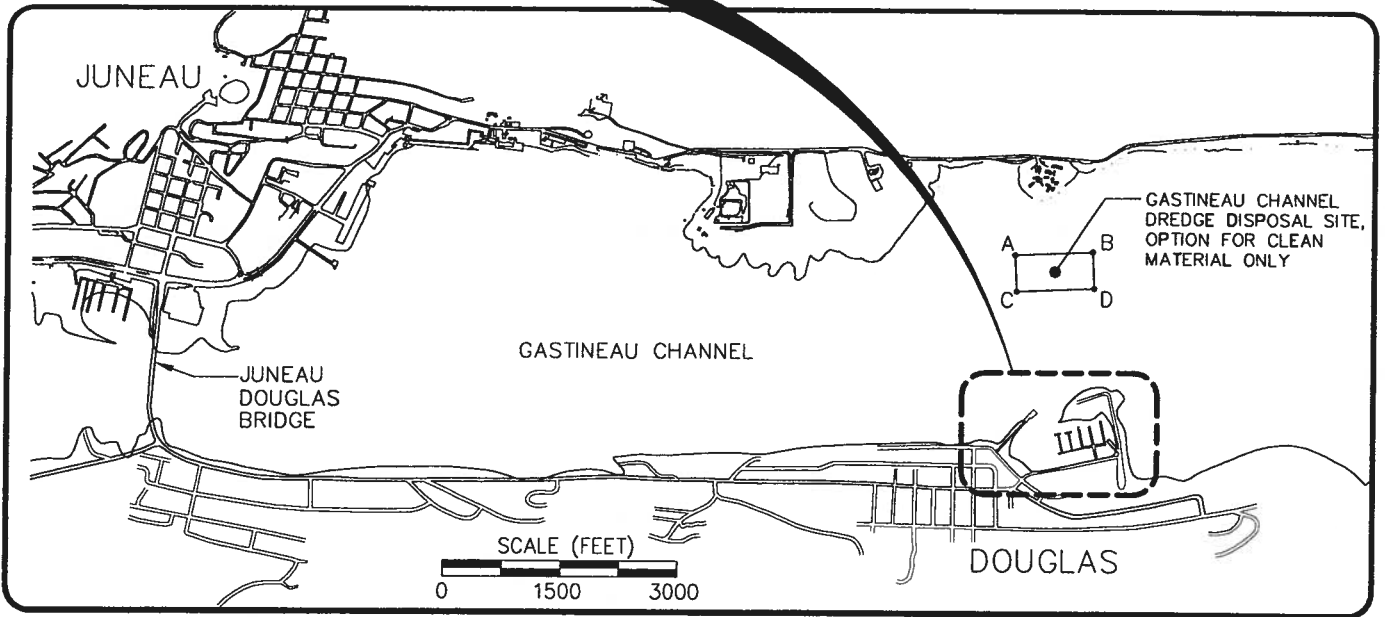
SOUTHEAST ALASKA

**GASTINEAU CHANNEL
DREDGE DISPOSAL SITE
CORNER POINTS**

- A: 58°16'45"N
134°22'54"W
- B: 58°16'41"N
134°22'46"W
- C: 58°16'42"N
134°22'58"W
- D: 58°16'38"N
134°22'50"W



PROJECT SITE



VICINITY MAP

PURPOSE:

TO RENOVATE AN EXISTING HARBOR IN ORDER TO INCREASE MOORAGE CAPACITY AND IMPROVE PUBLIC SAFETY.

LOCATION AND VICINITY MAP

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

OLD DOUGLAS HARBOR REPLACEMENT

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

DATUM:

MLLW = 0.0 FT

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

PND#: 062065.01

DATE: 06/14/07

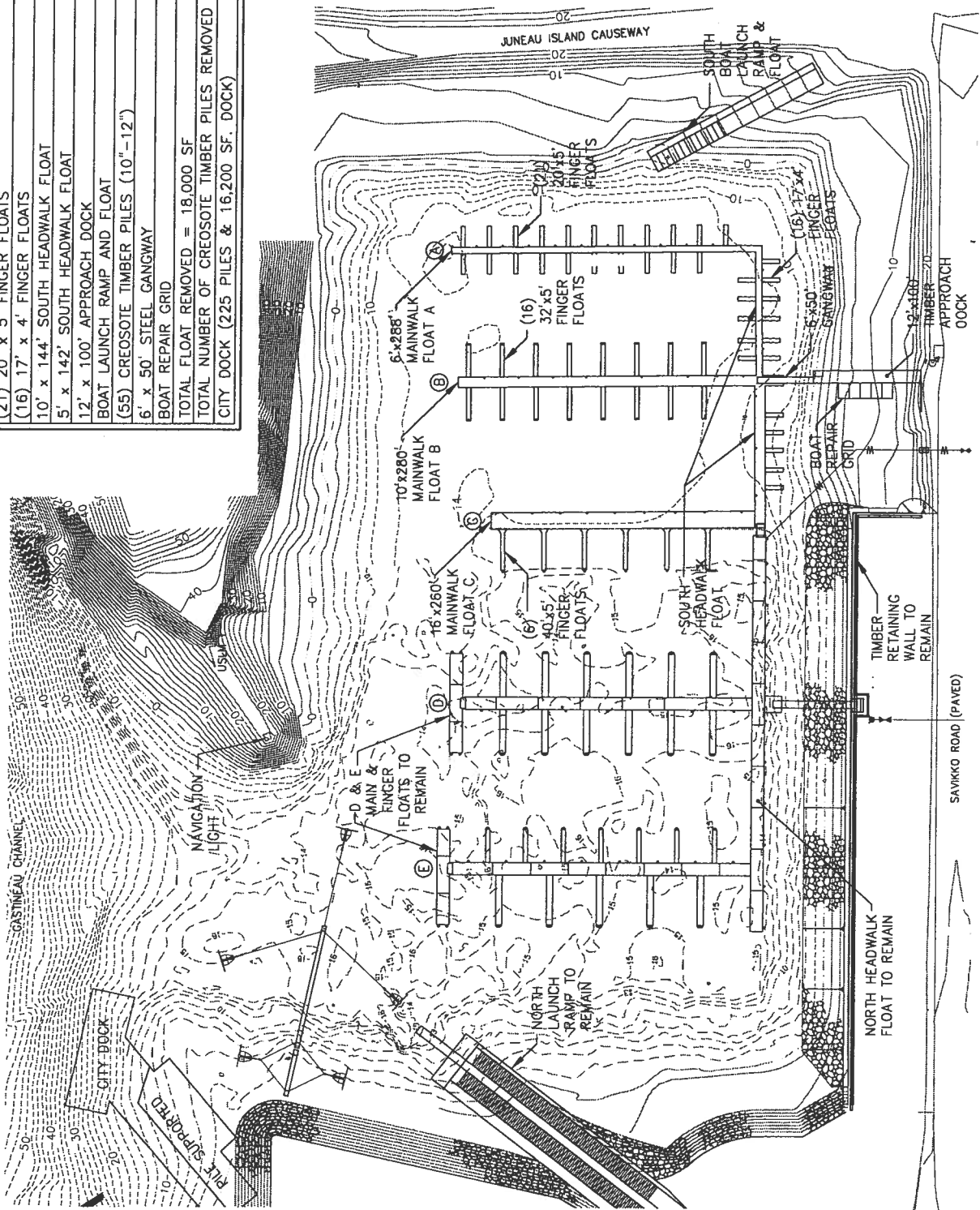
SHEET 1 OF 9

DEMOLITION SUMMARY

6' x 288' MAINWALK FLOAT A
10' x 280' MAINWALK FLOAT B
16' x 260' MAINWALK FLOAT C
(6) 40' x 5' FINGER FLOATS
(16) 32' x 5' FINGER FLOATS
(21) 20' x 5' FINGER FLOATS
(16) 17' x 4' FINGER FLOATS
10' x 144' SOUTH HEADWALK FLOAT
5' x 142' SOUTH HEADWALK FLOAT
12' x 100' APPROACH DOCK
BOAT LAUNCH RAMP AND FLOAT
(55) CREOSOTE TIMBER PILES (10"-12")
6' x 50' STEEL GANGWAY
BOAT REPAIR GRID
TOTAL FLOAT REMOVED = 18,000 SF
TOTAL NUMBER OF CREOSOTE TIMBER PILES REMOVED = 55
CITY DOCK (225 PILES & 16,200 SF. DOCK)

TIDAL INFORMATION

EXTREME HIGH WATER (EHW)	23.2'
HIGH TIDE LINE (HTL)	20.8'
MEAN HIGH WATER (MHW)	15.4'
MEAN LOWER LOW WATER (MLLW)	0.0'
ESTIMATED EXTREME LOW WATER	-5.0'

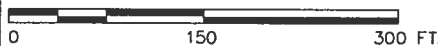


PURPOSE:

TO RENOVATE AN EXISTING HARBOR IN ORDER TO INCREASE MOORAGE CAPACITY AND IMPROVE PUBLIC SAFETY.

EXISTING CONDITIONS AND DEMOLITION PLAN

SCALE IN FEET



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

PND#: 062065.01

OLD DOUGLAS HARBOR REPLACEMENT

IN: GASTINEAU CHANNEL
NEAR: JUNEAU
AT: DOUGLAS HARBOR
APPLICATION BY: CITY AND BOROUGH OF JUNEAU
DATE: 06/14/07

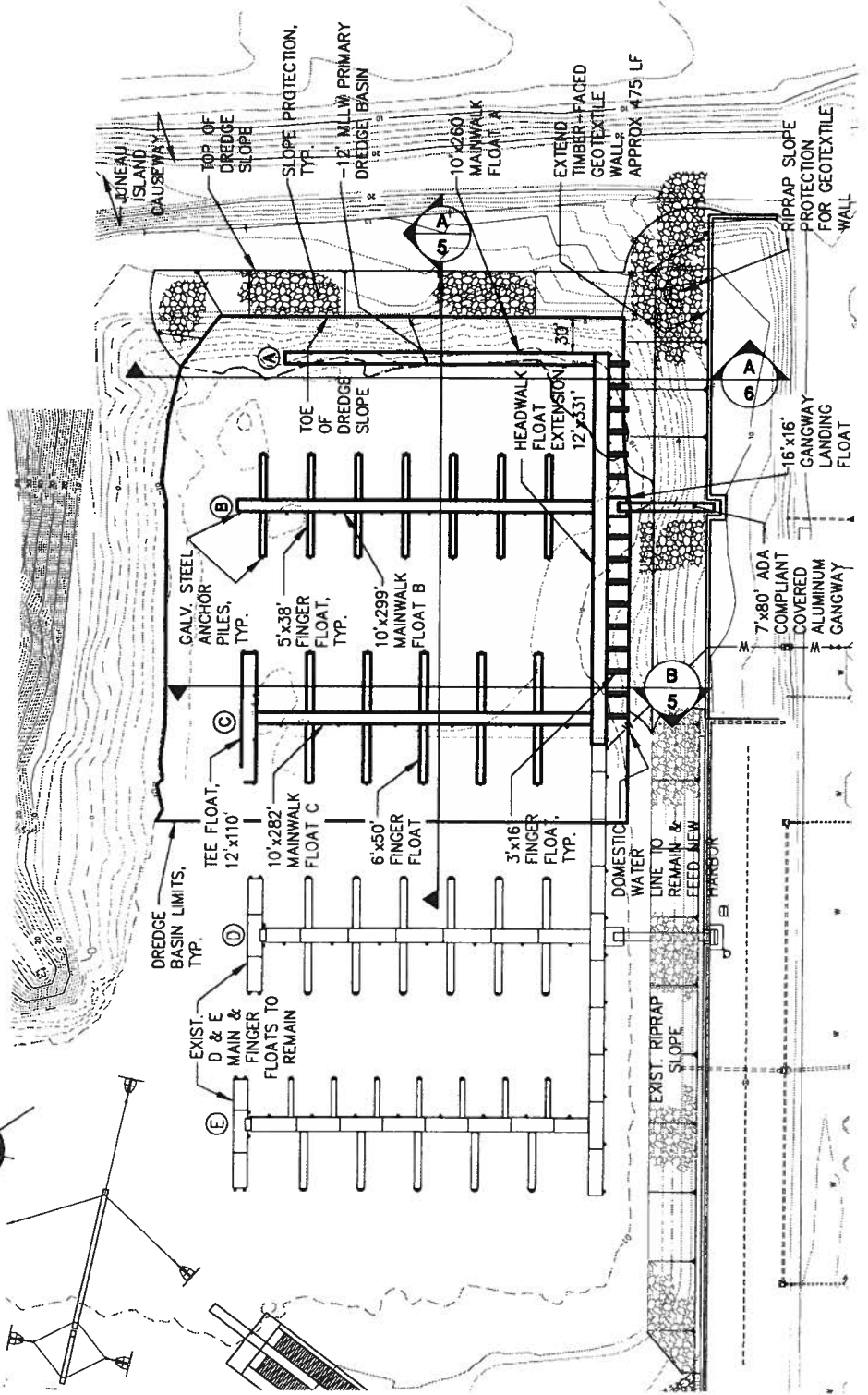
DATUM:

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

QUANTITIES SUMMARY TABLE	
10' X 282'	MAINWALK C
(10)	6' x 50' FINGER FLOATS
10'	x 299' MAINWALK FLOAT B
(14)	5' x 38' FINGER FLOAT
10'	x 260' MAINWALK FLOAT A
16'	x 16' GANGWAY LANDING FLOAT
12'	x 331' HEADWALK FLOAT
TIMBER FACED GEOTEXTILE WALL APPROX. 475 LF	
7'	x 80' ADA COMPLIANT COVERED ALUMINUM GANGWAY
12'	x 110' TEE FLOAT
(61)	GALVANIZED STEEL PIPE PILES

NOTE: SEE SHEET 5 FOR EXCAVATION AND FILL QUANTITIES ASSOCIATED WITH DREDGING AND RETAINING WALL CONSTRUCTION ACTIVITIES

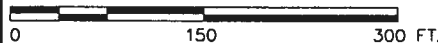


PURPOSE:

TO RENOVATE AN EXISTING HARBOR IN ORDER TO INCREASE MOORAGE CAPACITY AND IMPROVE PUBLIC SAFETY.

SITE PLAN OF PROPOSED IMPROVEMENTS

SCALE IN FEET



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

OLD DOUGLAS HARBOR REPLACEMENT

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

DATE: 06/14/07

SHEET 3 OF 9

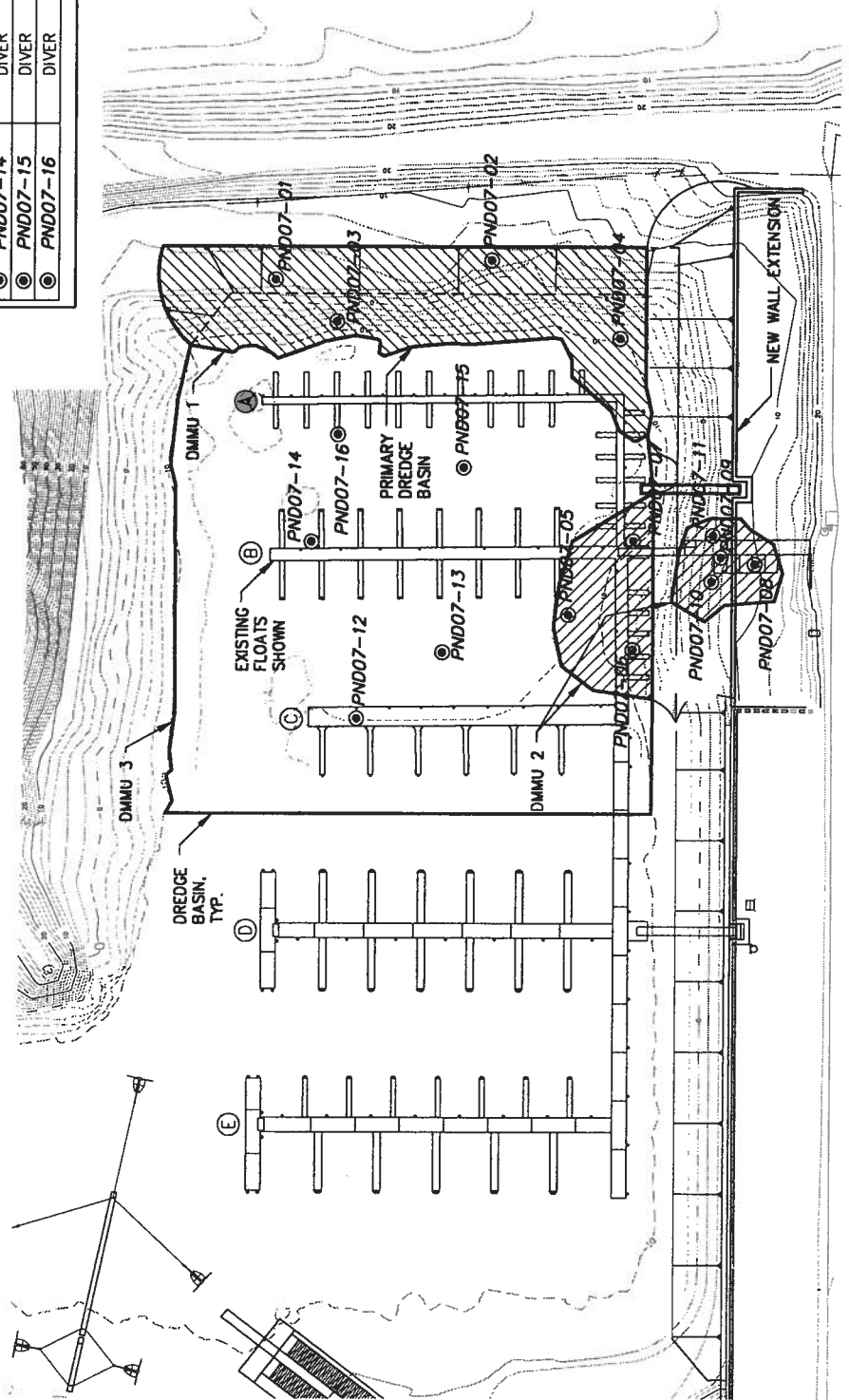
DATUM:

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MHW = 15.4'
MLLW = 0.0'

PNO#: 062065.01

SAMPLE TABLE	
SAMPLE NO.	METHOD
⊙ PND07-01	DRILL
⊙ PND07-02	DRILL
⊙ PND07-03	DIVER
⊙ PND07-04	DIVER
⊙ PND07-05	DIVER
⊙ PND07-06	DIVER
⊙ PND07-07	DIVER
⊙ PND07-08	HAND SAMPLER
⊙ PND07-09	HAND SAMPLER
⊙ PND07-10	HAND SAMPLER
⊙ PND07-11	HAND SAMPLER
⊙ PND07-12	HAND SAMPLER
⊙ PND07-13	DIVER
⊙ PND07-14	DIVER
⊙ PND07-15	DIVER
⊙ PND07-16	DIVER



PURPOSE:

TO RENOVATE AN EXISTING HARBOR IN ORDER TO INCREASE MOORAGE CAPACITY AND IMPROVE PUBLIC SAFETY.

**SOIL SAMPLING
LOCATION PLAN**

SCALE IN FEET



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

**OLD DOUGLAS
HARBOR REPLACEMENT**

IN: GASTINEAU CHANNEL

NEAR: JUNEAU

AT: DOUGLAS HARBOR

APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATUM:

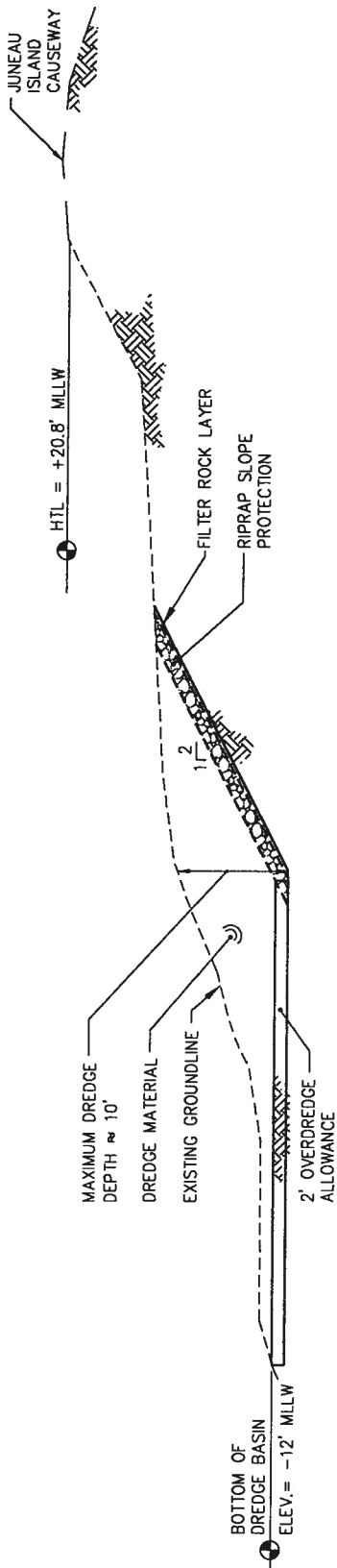
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HTL = 20.8'
MHW = 15.4'
MLLW = 0.0'

PND#: 062065.01

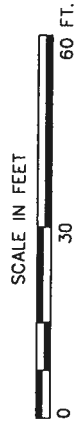
DATE: 06/14/07

SHEET 4 OF 9



TYPICAL DREDGE SECTION

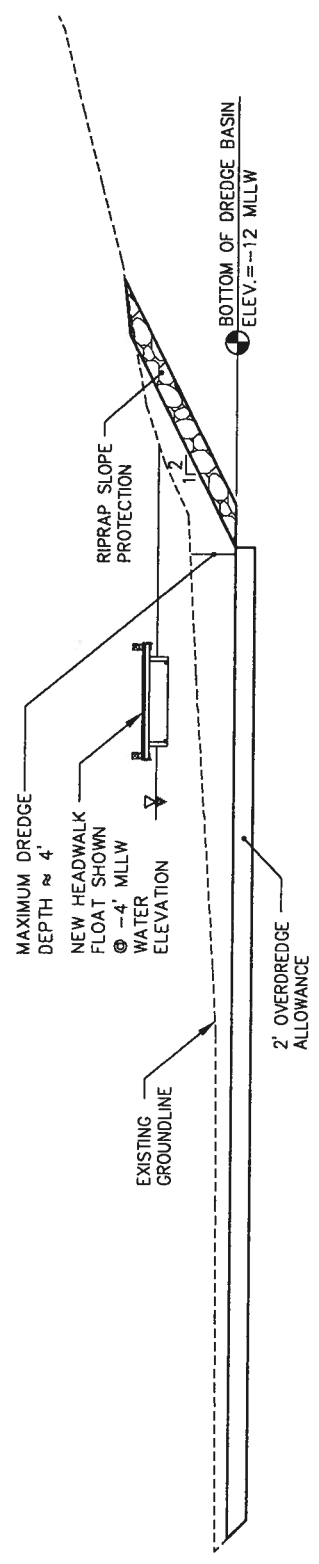
A
3



SUMMARY OF APPROXIMATE DREDGE AND FILL QUANTITIES BELOW H.T.L.	
EXCAVATION:	
DREDGING	32,500 CY
TOTAL	32,500 CY
FILL:	
PRIMARY DREDGE BASIN:	
RIPRAP	1,600 CY
FILTER ROCK	400 CY
TOTAL (RIPRAP & FILTER)	2,000 CY

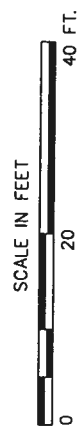
NOTE:
SEE NEXT SHEET FOR
RETAINING WALL DETAIL

HTL=20.8 MLLW



TYPICAL DREDGE SECTION

B
3



PURPOSE:
TO RENOVATE AN EXISTING HARBOR IN ORDER TO INCREASE MOORAGE CAPACITY AND IMPROVE PUBLIC SAFETY.

DATUM:
MLLW = 0.0 FT
HTL = 20.8'
MHW = 15.4'
MLLW = 0.0'

TYPICAL DREDGE SECTIONS WITH FILL AND DREDGE QUANTITY SUMMARY

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

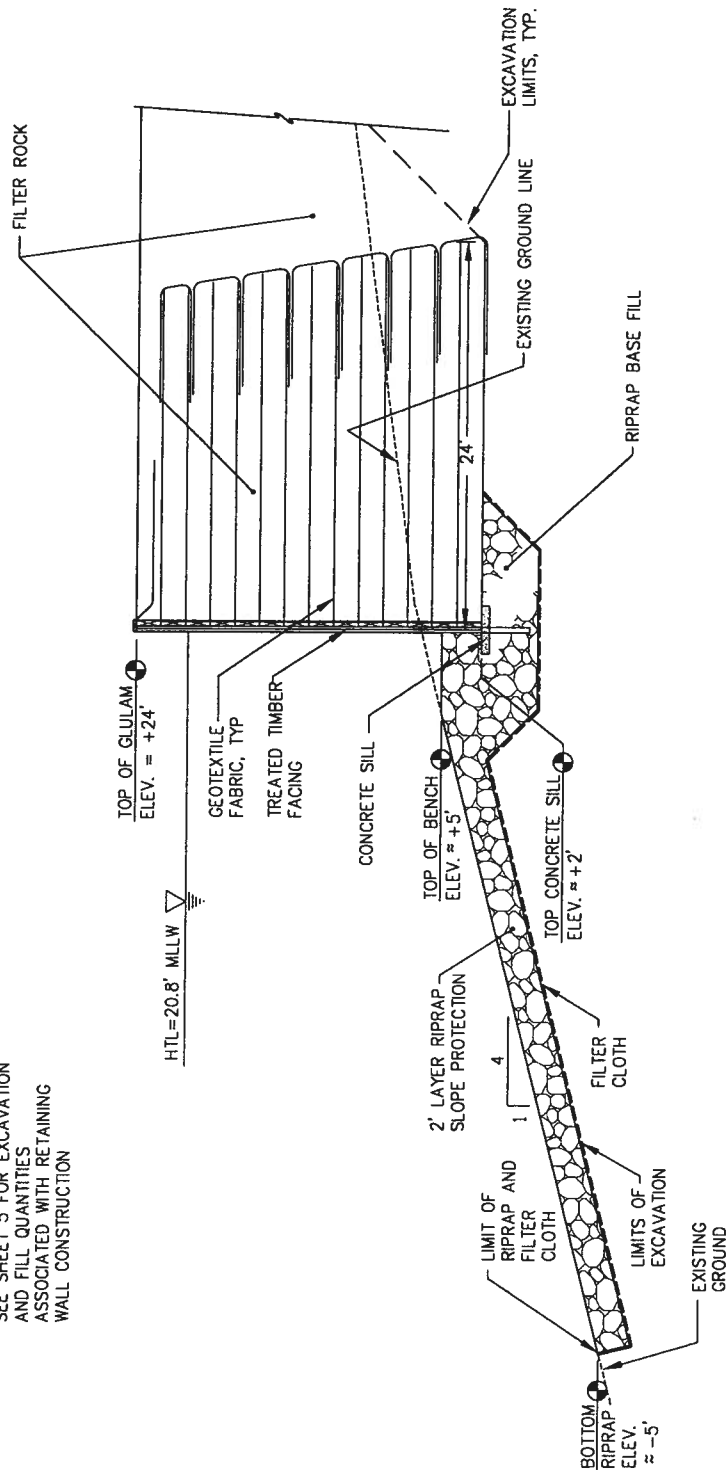
PND#: 062065.01

OLD DOUGLAS HARBOR REPLACEMENT

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

DATE: 06/14/07 **SHEET 5 OF 9**

NOTE:
SEE SHEET 5 FOR EXCAVATION
AND FILL QUANTITIES
ASSOCIATED WITH RETAINING
WALL CONSTRUCTION



TYPICAL RETAINING WALL SECTION

PURPOSE:

TO RENOVATE AN EXISTING HARBOR IN ORDER TO INCREASE MOORAGE CAPACITY AND IMPROVE PUBLIC SAFETY.

TYPICAL RETAINING WALL SECTION

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

OLD DOUGLAS HARBOR REPLACEMENT

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

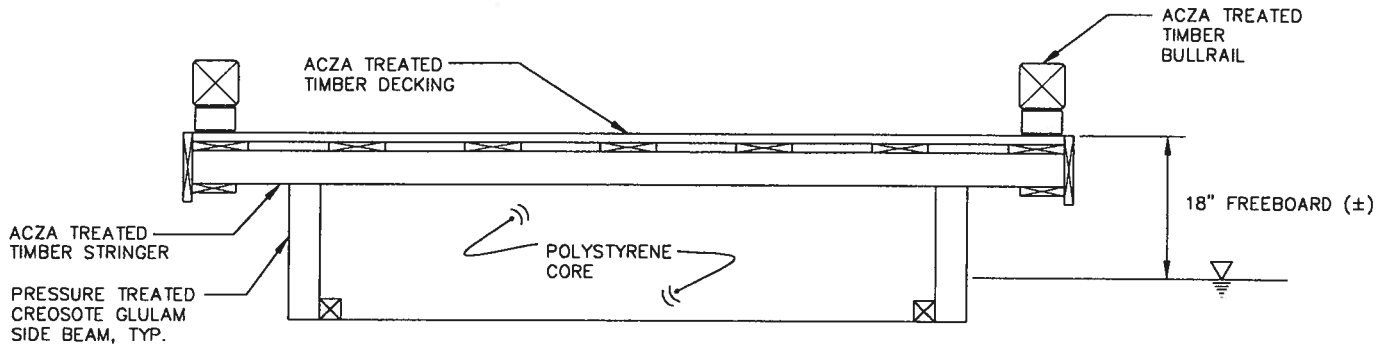
DATUM:
MLLW = 0.0 FT

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

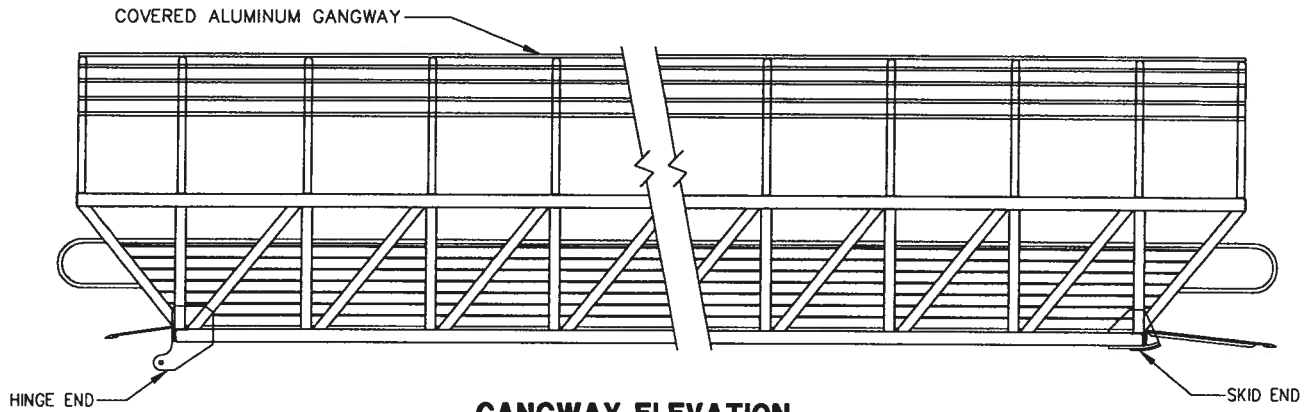
PND#: 062065.01

DATE: 06/14/07

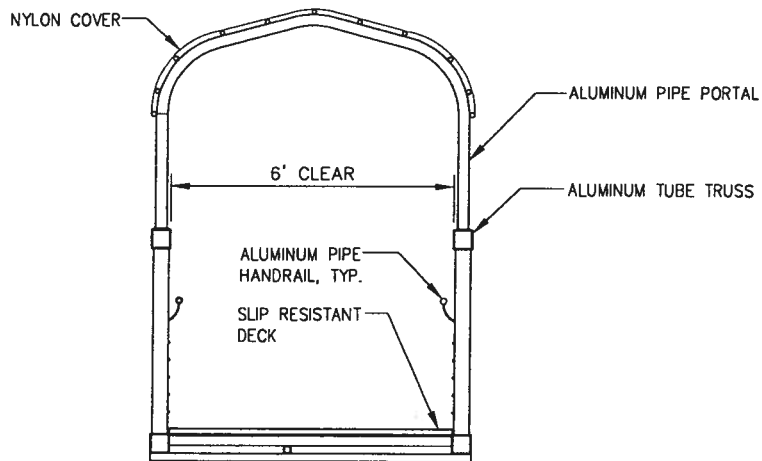
SHEET 6 OF 9



NEW FLOAT TYPICAL SECTION



GANGWAY ELEVATION



GANGWAY TYPICAL SECTION

PURPOSE:

TO RENOVATE AN EXISTING HARBOR IN ORDER TO INCREASE MOORAGE CAPACITY AND IMPROVE PUBLIC SAFETY.

DATUM:

MLLW = 0.0 FT

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MHW = 15.4'
MLLW = 0.0'

FLOAT AND GANGWAY DETAILS

APPLICANT ADDRESS:

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155 S. SEWARD STREET
JUNEAU, AK 99801

PND#: 062065.01

OLD DOUGLAS HARBOR REPLACEMENT

IN: GASTINEAU CHANNEL

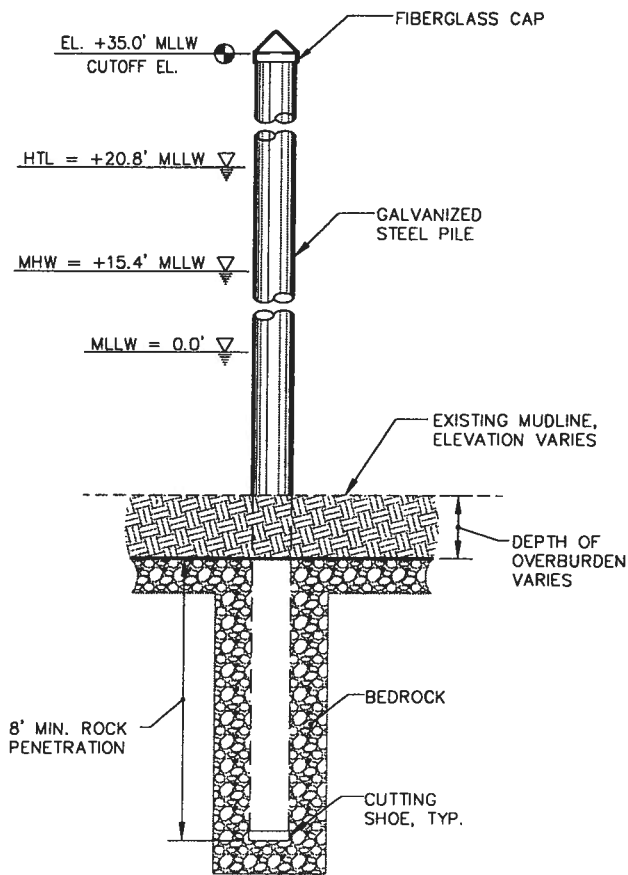
NEAR: JUNEAU

AT: DOUGLAS HARBOR

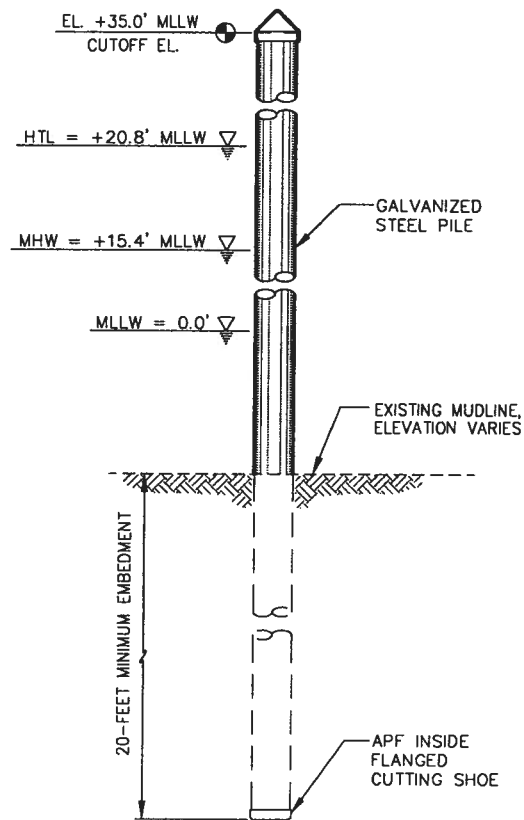
APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATE: 06/14/07

SHEET 7 OF 9



SOCKET



NON-SOCKET

NOTES:

1. SOCKETING IS ANTICIPATED AT APPROXIMATELY 15 LOCATIONS ON C FLOAT, SEE SHEET 3.
2. DRILL SOCKET, CLEAN OUT HOLE, DRIVE PILE TO BOTTOM OF SOCKET.

PURPOSE:

TO RENOVATE AN EXISTING HARBOR IN ORDER TO INCREASE MOORAGE CAPACITY AND IMPROVE PUBLIC SAFETY.

PILE DETAILS

APPLICANT ADDRESS:

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JUNEAU, AK 99801

OLD DOUGLAS HARBOR REPLACEMENT

IN: GASTINEAU CHANNEL

NEAR: JUNEAU

AT: DOUGLAS HARBOR

APPLICATION BY: CITY AND BOROUGH OF JUNEAU

DATUM:

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MLLW = 0.0'

PND#: 062065.01

DATE: 06/14/07

SHEET 8 OF 9

PROPERTY OWNERS				
NO.	CURRENT OWNER	STREET AND HOUSE NO.	PARCEL	LEGAL DESCRIPTION
1	MKENNETH AND CHERIE RUDOLPH	0 FRONT STREET	2D040T320140	DOUGLAS BL 32 L 23 FR
2	WILLIAM AND JANET LEAGUE	0 FRONT STREET	2D040T32150	ATS 14 BL 32 L 24A 14 BL 32 L 22A
3	KENNETH AND CHERIE RUDOLPH	0 FRONT STREET	2D040T32161	ATS 14 & BL 32 L 24
4	CBJ	802 FRONT STREET	2D040T32171	DOUGLAS BL 32 L 19A
5	WILLIAM AND JANET LEAGUE	824 FRONT STREET	2D040T320091	AS 14 & BL 32 DOUGLAS TR A
6	DALE HENKINS	820 FRONT STREET	2D040T320101	ATS 14 & BL 32 L 19A
7	DALE HENKINS	820 FRONT STREET	2D040T320102	ATS 14 & BL 32 L 20
8	JAMES MCCORMICK	816 FRONT STREET	2D040T320111	ATS 14 & BL 32 L 20
9	RICHARD AND BARBARA BOEHL	814 FRONT STREET	2D040T320121	ATS 14 & BL 32 L 21
10	WILLIAM AND JANET LEAGUE	808 FRONT STREET	2D040T320130	DOUGLAS BL 32 L 22 & 23 FR
11	US DEPT OF INTERIOR	100 SAVIKKO ROAD	2D040T320040	JUNEAU ISLAND
12	CBJ	120 SAVIKKO ROAD	2D040T320050	DOUGLAS BOAT HARBOR
13	CBJ	105 SAVIKKO ROAD	2D040T320050	ATS 14
14	STATE OF ALASKA	0 SAVIKKO ROAD	2D040T320071	ATS 1493
15	CBJ	0 DOCK STREET	2D040T320140	DOUGLAS 32 L 16A
16	CBJ	0 DOCK STREET	2D040T320061	ATS 14

PURPOSE:

TO RENOVATE AN EXISTING HARBOR IN ORDER TO INCREASE MOORAGE CAPACITY AND IMPROVE PUBLIC SAFETY.

DATUM:

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PROPERTY OWNERS

APPLICANT ADDRESS:

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APPLICATION BY: CITY AND BOROUGH OF JUNEAU

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SHEET 9 OF 9