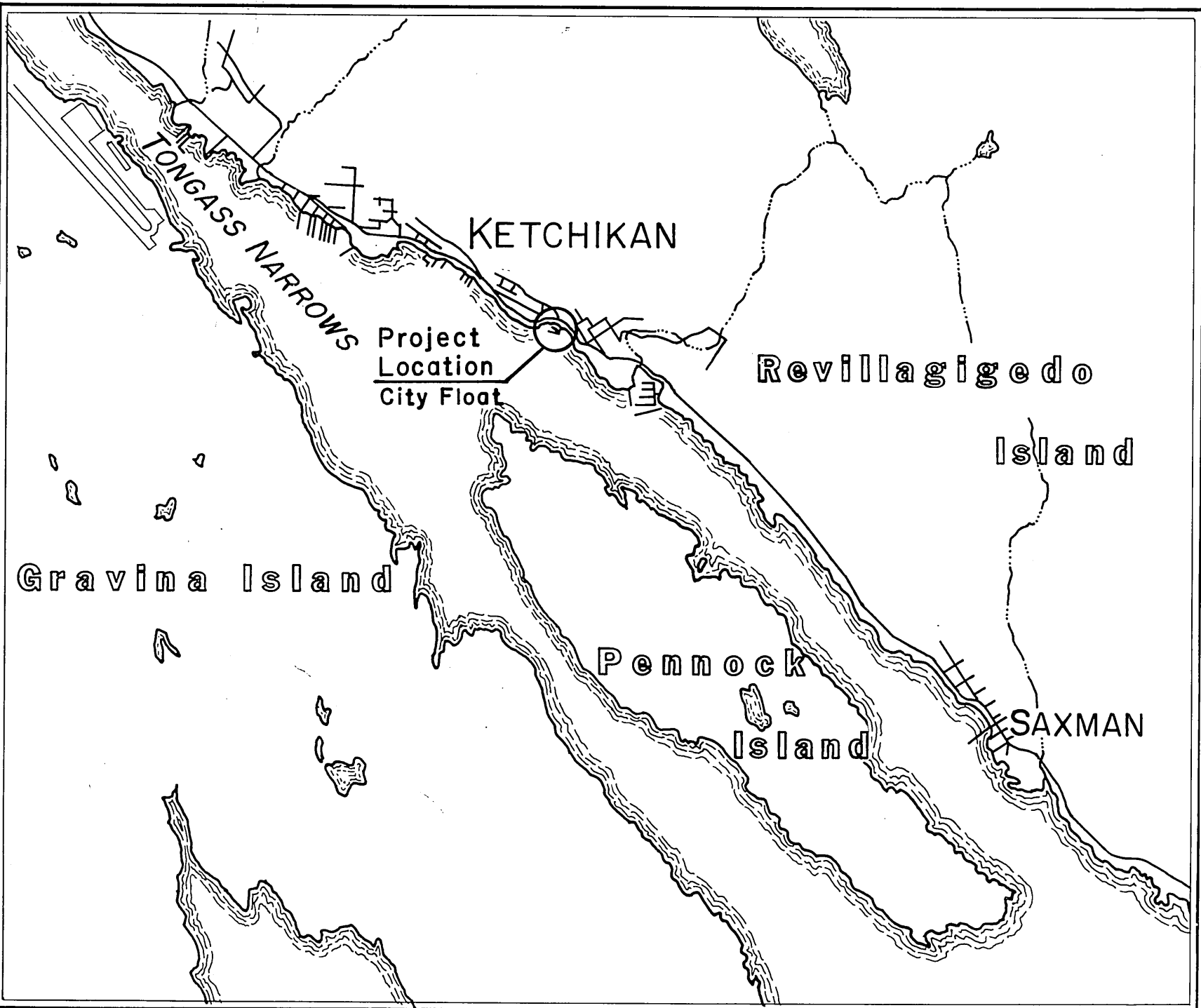
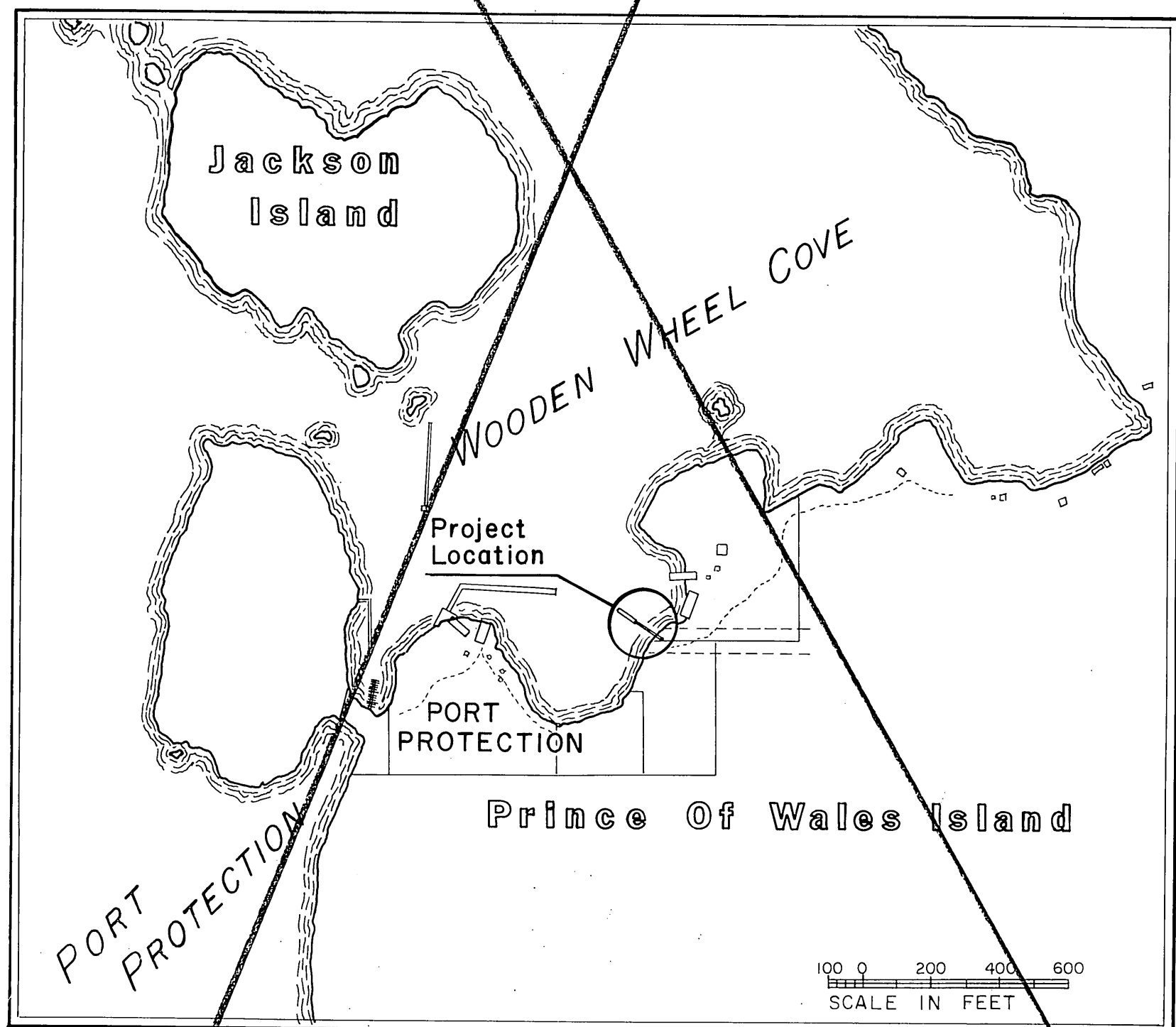


KETCHIKAN
**CITY FLOAT
REPAIR**
PROJECT NO.
69720



VICINITY MAP
KETCHIKAN

PORT
PROTECTION
SKIFF FLOAT
PROJECT NO.
69616



VICINITY MAP
PORT PROTECTION

*Deleted
Lack of
Funds*



Project Location
Port Protection

Project Location
Ketchikan

DD Diackmeyer

O'mannell

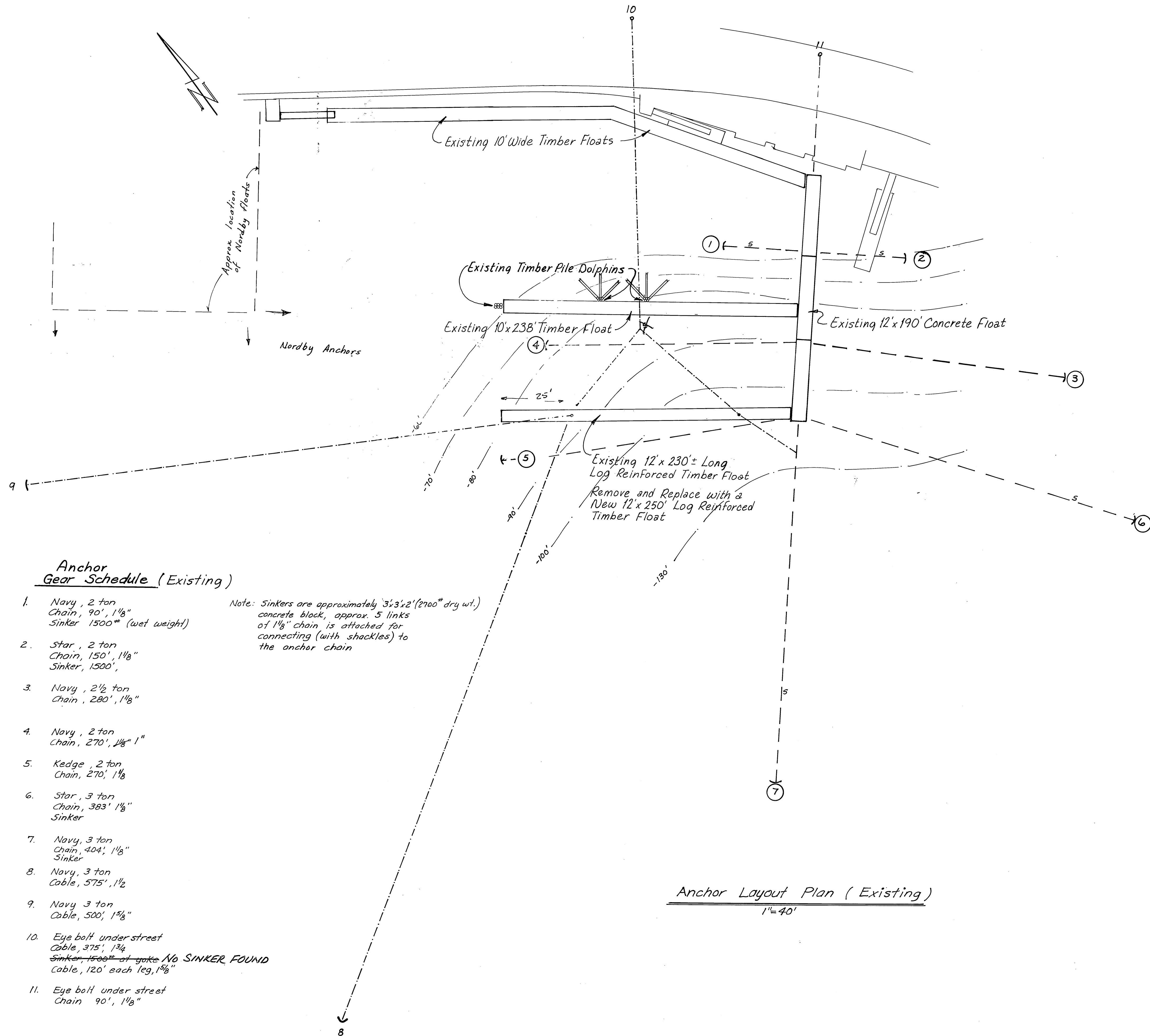
1 X 6

AS BUILT
5-17-89 START: Feb. 11, 1990
STOP: MARCH 27, 1990
5-17-89 CONTRACTOR: TAMICO, INC.
PROJ. ENG.: Mark Halvorsen
DATE: June 25, 1990

- 1 Title Sheet
- 2 Existing Floats and Anchors
- 3 New 12'x250' Float & Anchor Layout
- 4 12'x250' Log Reinforced Float Stringer Layout
- 5 12' wide Log Reinforced Float Details
- 6 Float Connection Details

- 7 Project Layout
- 8 Approach Details
- 9 Gangway Modification Details
- 10 10' wide Timber Float
- 11 Misc. Details

KETCHIKAN
CITY FLOAT REPAIR
69720
PORT PROTECTION
SKIFF FLOAT
69616



ESTIMATE OF QUANTITIES			
ITEM NO.	ITEM	UNIT	QUANTITY
109	DBE & WBE Adjustments	C.S.	All Req'd.
110 (1)	Ketchikan City Float Mobilization & Demobilization	L.S.	All Req'd.
112	Construction Surveying by the Contractor	L.S.	All Req'd.
201	Removal of Structures and Obstructions	L.S.	All Req'd.
311 (1)	Construct the 12'x 250' Log Reinforced Timber Float	L.S.	All Req'd.
311 (2)	Construct Anchor System	L.S.	All Req'd.

WORK SUMMARY

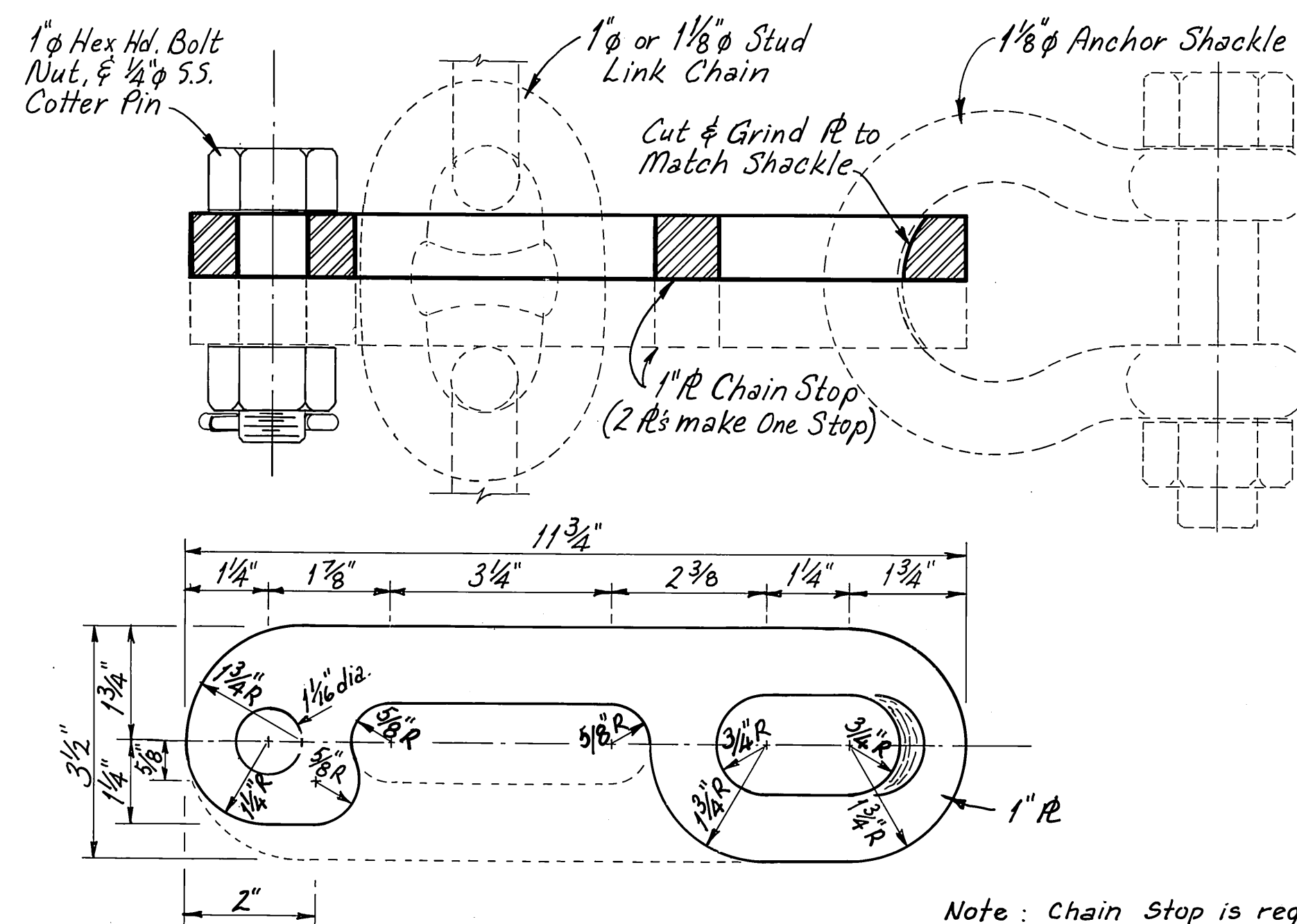
- Remove anchor #'s 8, 9 & 10 including cable. Dispose of cable. Salvage anchors and sinker for use in this project. **No SINKER FOUND ON ANCHOR 10 YOKE**
- Remove and dispose of existing 12'x 230' ± log reinforced breakwater float.
- Construct new 12'x 250' log reinforced breakwater float.
- Install new anchor system for the new log reinforced breakwater float.

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
		KETCHIKAN (CITY FLOAT) ALASKA	
		EXISTING FLOATS & ANCHORS	
DESIGNED	CHECKED	DRAWN	DATE
PROJECT NUMBER 69720	SHEET 2	OF 4	

ANCHOR AND GEAR SCHEDULE						
ANCHOR	CHAIN		I.H.D.	* LOCK OFF	ACTUAL LOCK OFF	ANCHOR DESCRIPTION
	SIZE	LENGTH				
A	1"	320'	270'	307'	307'	Reuse existing sinker and 3 Ton Navy Anchor.
B	1"	240'	220'	230'	230'	Reuse existing 3 Ton Navy Anchor.
C	1 1/4"	180'	150'	164'	163'	New 3 Ton min. Stockless Anchor.
D	1"	305'	250'	294'	296'	New 3 Ton min. Stockless Anchor.
E	1 1/4"	180'	150'	164'	161.7'	New 3 Ton min. Stockless Anchor.
F	1"	305'	250'	294'	298.7'	New 3 Ton min. Stockless Anchor.
G	1 1/4"	180'	150'	164'	162.7'	New 3 Ton min. Stockless Anchor.
H	1"	305'	250'	294'	302.7'	New 3 Ton min. Stockless Anchor.
I	1 1/4"	180'	150'	164'	160.17'	New 3 Ton min. Stockless Anchor.
J	1"	305'	250'	294'	306.0'	New 3 Ton min. Stockless Anchor.

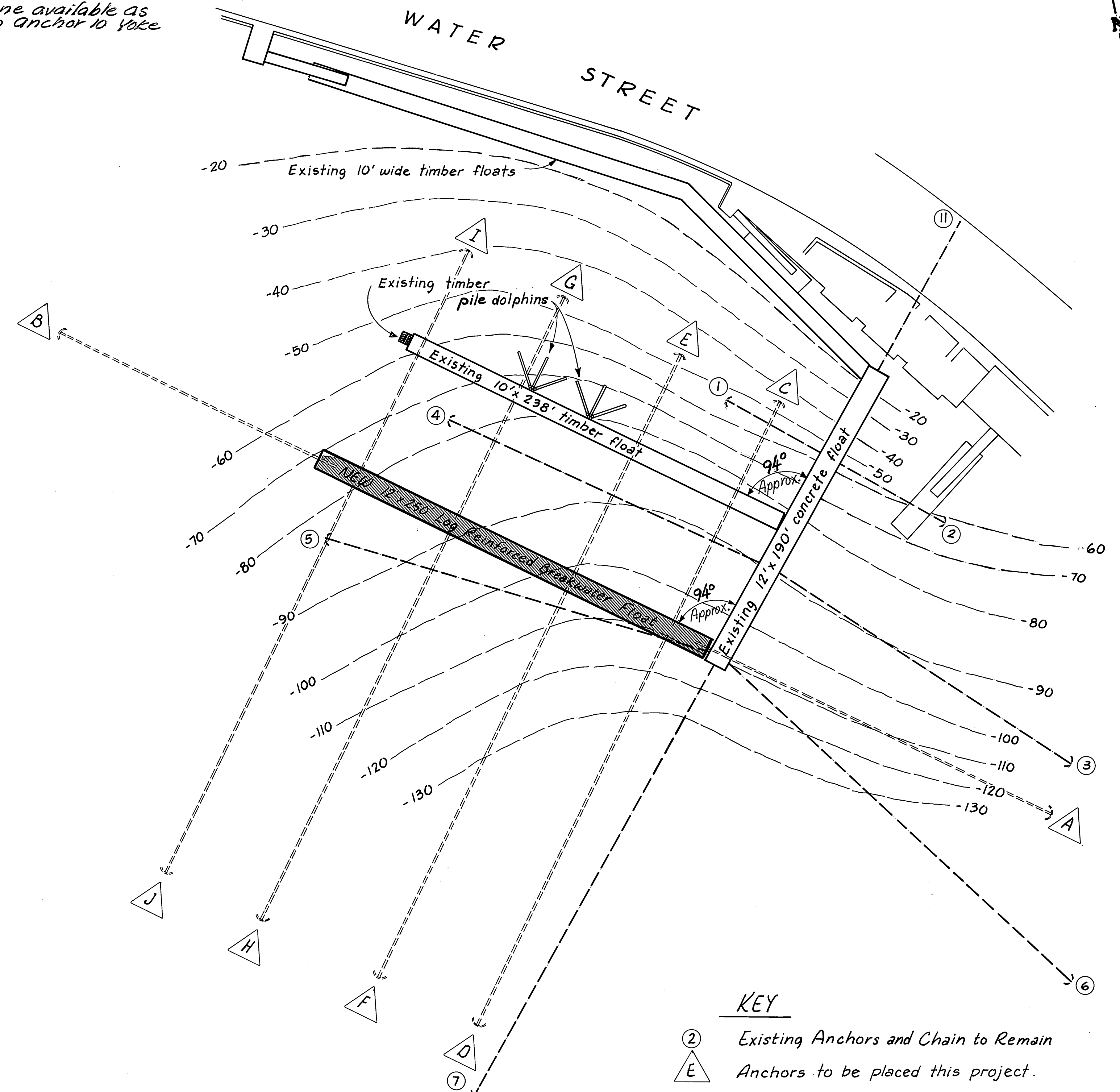
Anchors are nongalvanized - 5-58 lb.
Zinc Anodes were welded to each anchor - See Attachment

ANCHOR	"A"	-98.0'
ANCHOR	"B"	-36.0'
ANCHOR	"C"	-43.0'
ANCHOR	"D"	-142.6'
ANCHOR	"E"	-43.3'
ANCHOR	"F"	-144.7'
ANCHOR	"G"	-41.9'
ANCHOR	"H"	-150.4'
ANCHOR	"I"	-38.3'
ANCHOR	"J"	-152.3'



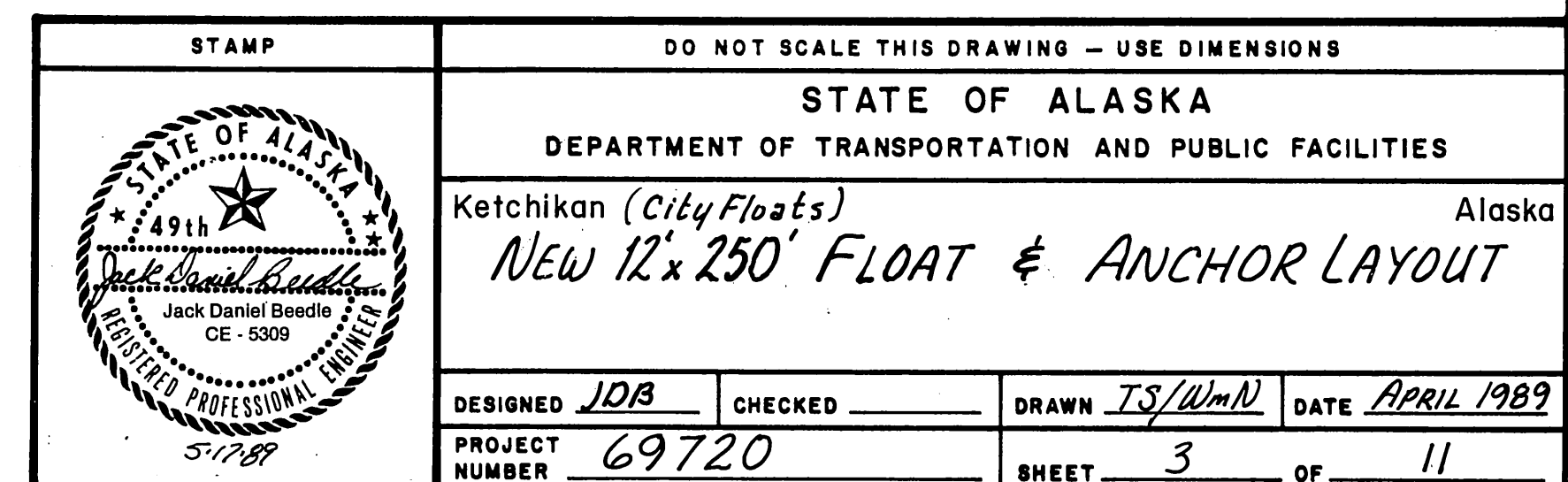
CHAIN STOP @
3 Req'd.

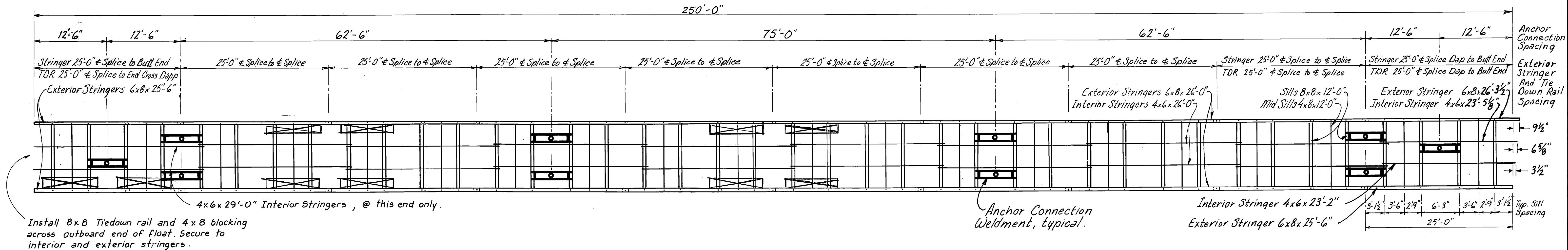
Note: Chain Stop is req'd. for the sinker connection for anchor  and at both ends of the safety chain.



KEY

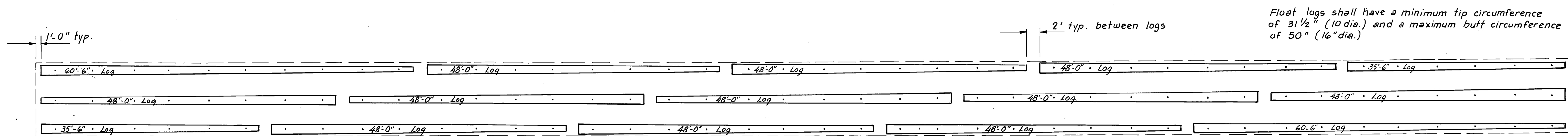
- ② Existing Anchors and Chain to Remain
 Anchors to be placed this project.
 ===== New Anchor Chain (see Anchor and Gear Schedule for sizes)
 New Log Reinforced Breakwater Float



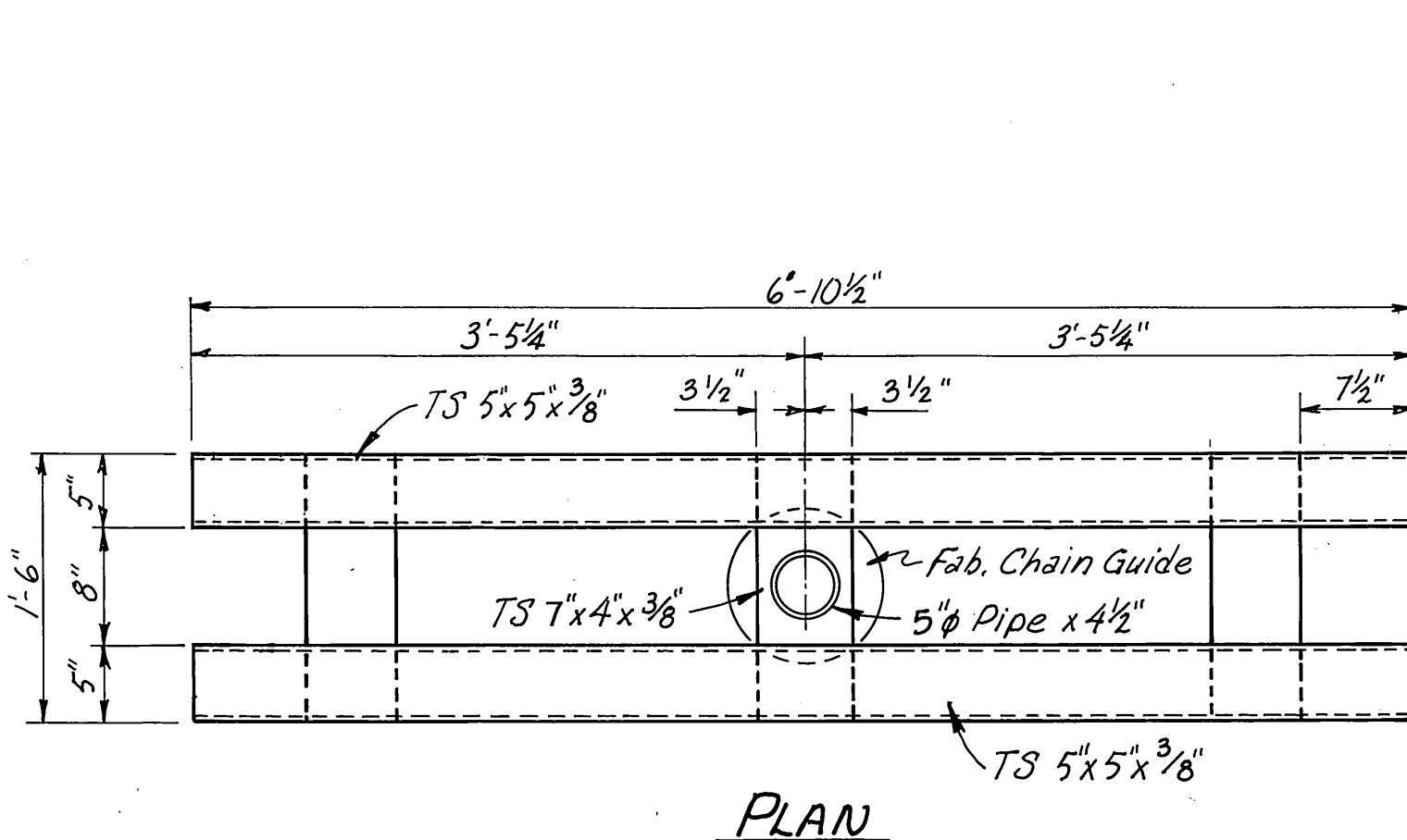


STRINGER LAYOUT

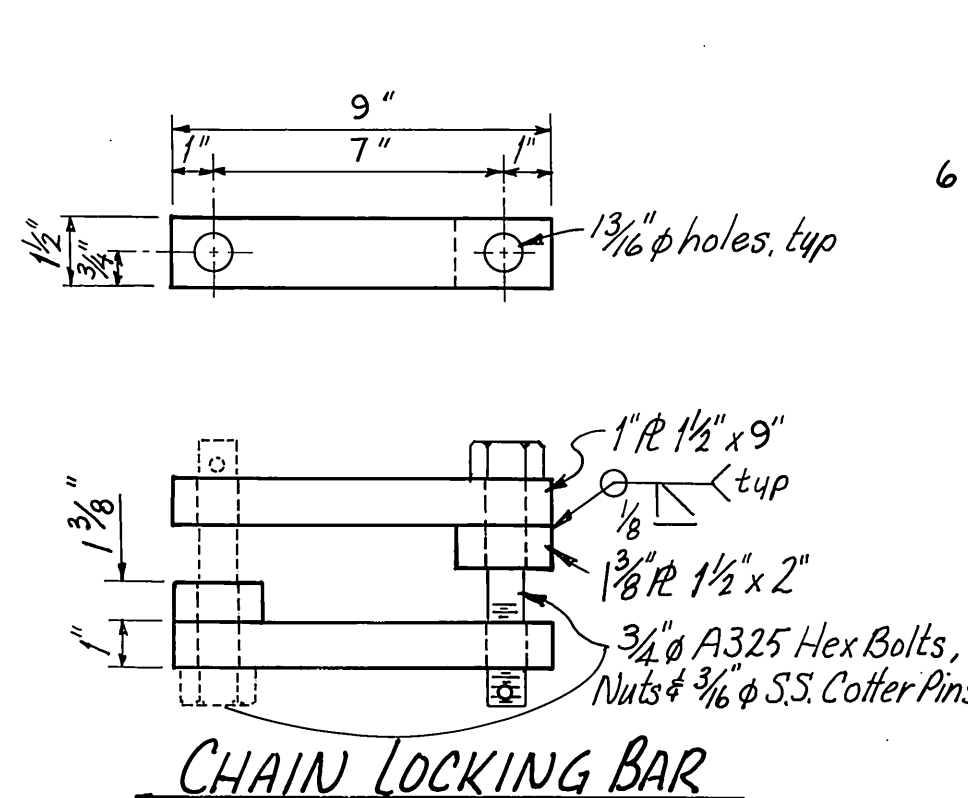
Locations shown above of added billets under float pontoons for float leveling purposes.



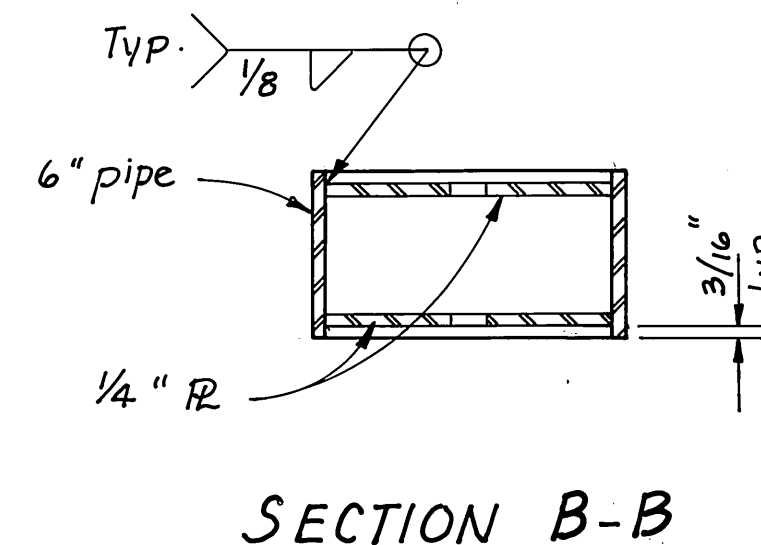
LOG LAYOUT



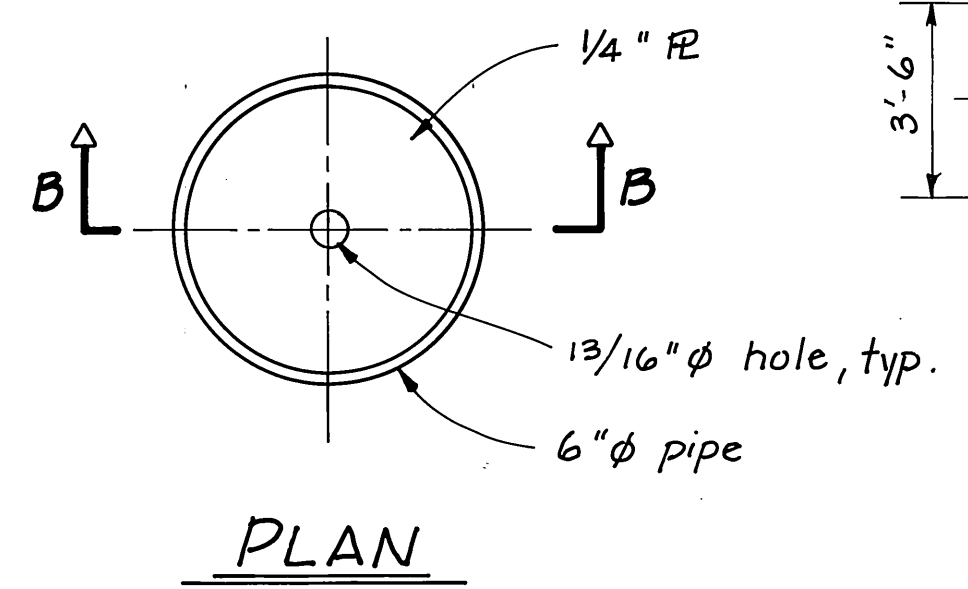
PLAN



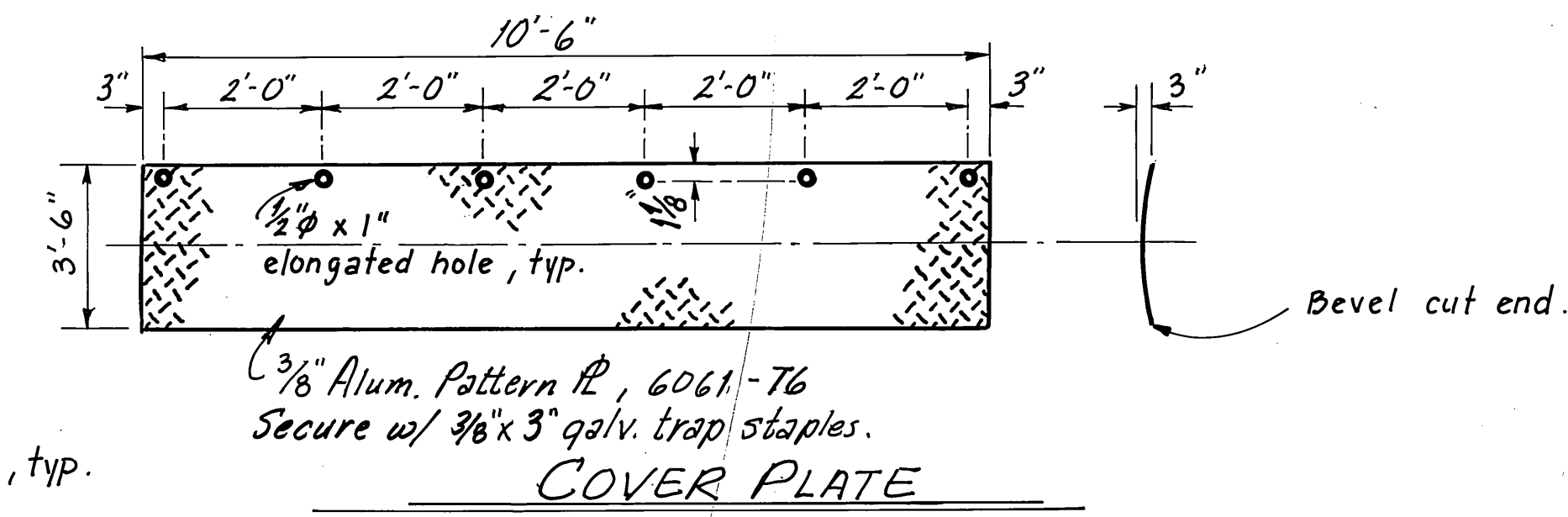
CHAIN LOCKING BAR



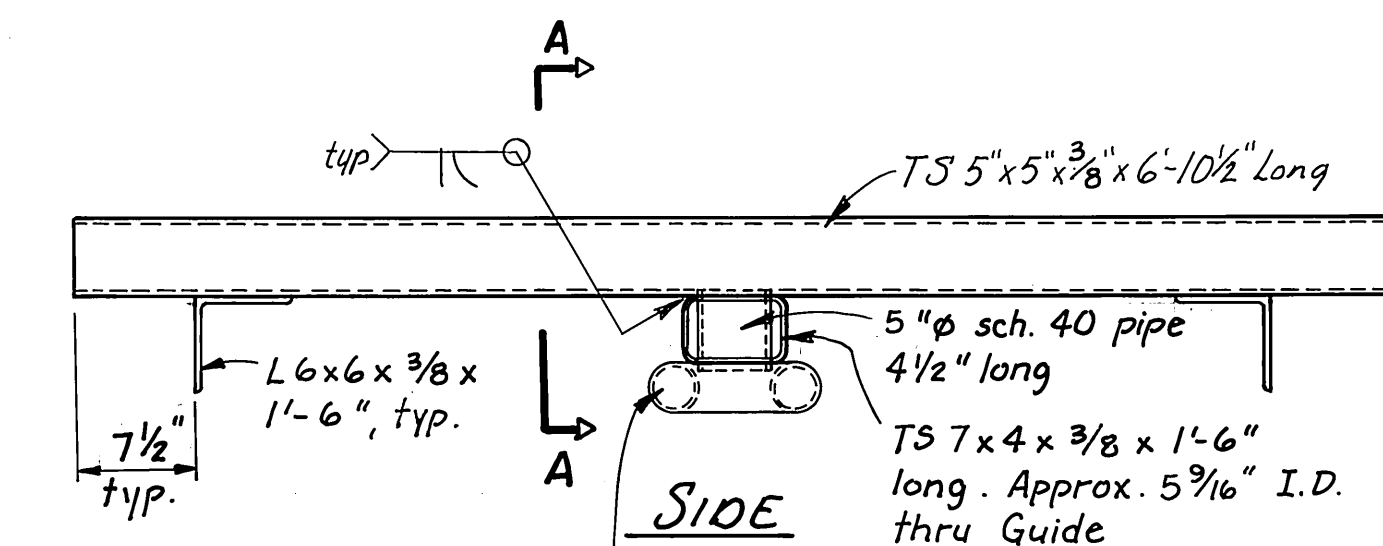
SECTION B-B



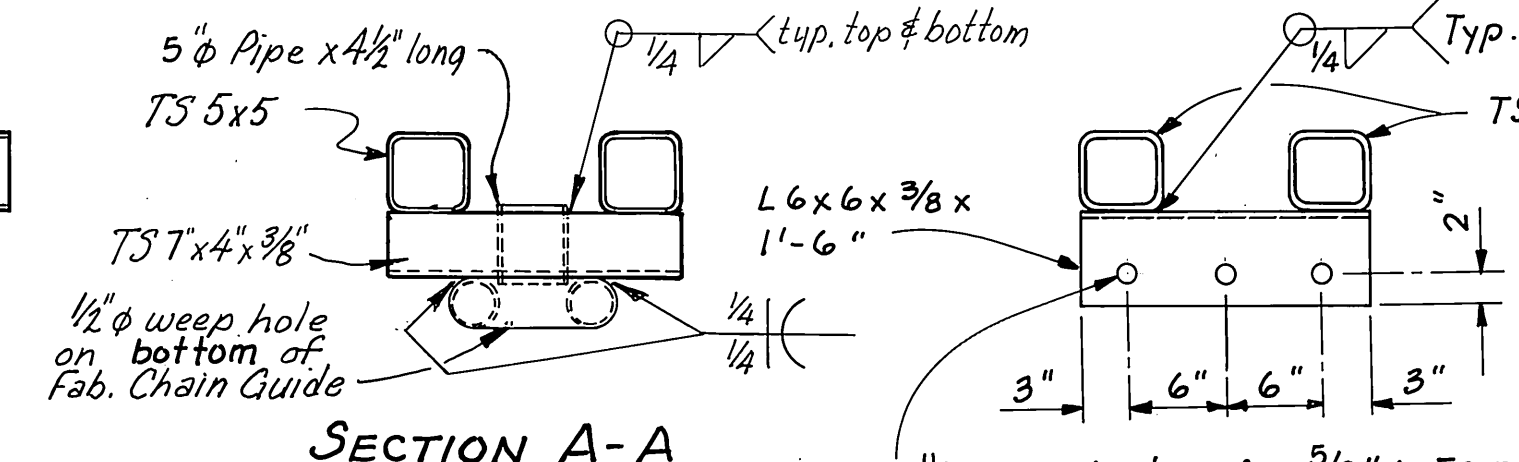
PLAN



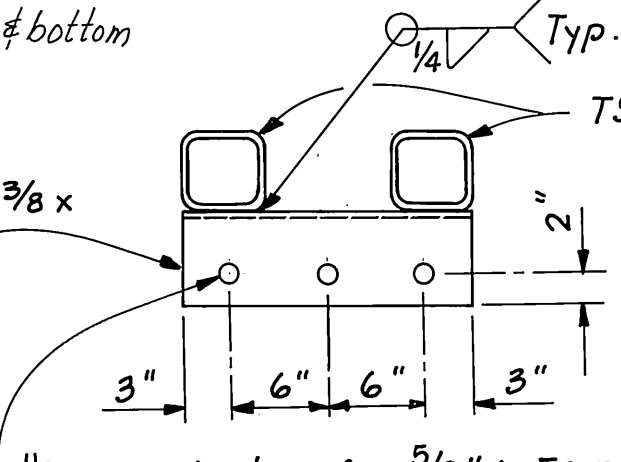
COVER PLATE



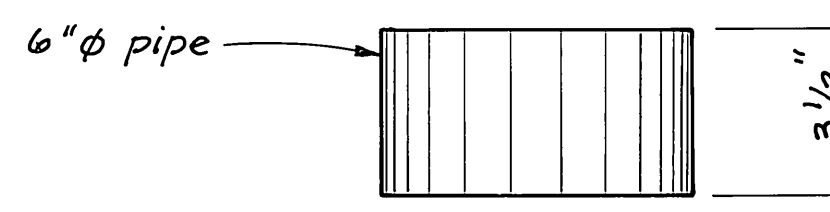
SIDE



SECTION A-A



END VIEW



ELEVATION

PIPE BLOCKING DETAILS

(for locations see sht. 5)
6 extra req'd. for use on existing concrete float. See sht. 6.

Note: Fabricator may submit alternate details for end R's.

Torus shape Chain Guide. Fab. from two 3" sch. 40 long radius 180° Returns, welded together

ANCHOR CONNECTION WELDMENT

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES Ketchikan (City Float) Alaska 250' Log Reinforced Float, Stringer Layout	
DESIGNED Wm N	CHECKED JDB	DRAWN Wm N	DATE Nov 1988
PROJECT NUMBER 69720		SHEET 4 OF 11	

Note: Decking & Tie Down Rail Not Shown In Plan View

Float Logs

Anchor Connection

4x6 Interior Stringers, typ.

6x8 Exterior Stringers, typ.

8x8 Sills, typ.

4x8 Mid Sills, typ.

Anchor Connection

No Lashing These Locations

Drill $\frac{3}{16}$ " holes for $\frac{1}{2}$ " x 10" Drifts Prior to pressure treatment

Drill $\frac{13}{16}$ " hole thru & C-Bore $2\frac{3}{4}$ " x $\frac{3}{8}$ " deep for $\frac{3}{8}$ " Econ. Hd. Bolts

Drill $\frac{3}{16}$ " hole thru & C-Bore $2\frac{1}{4}$ " x $\frac{3}{8}$ " deep for $\frac{1}{2}$ " Econ. Hd. Bolts

2x8 Bumper Board, Both Sides and End opposite connection continuous. Secure w/ 20^d galv. box nails 1 Ft. O.C. staggered high & low, 2 nails at ends.

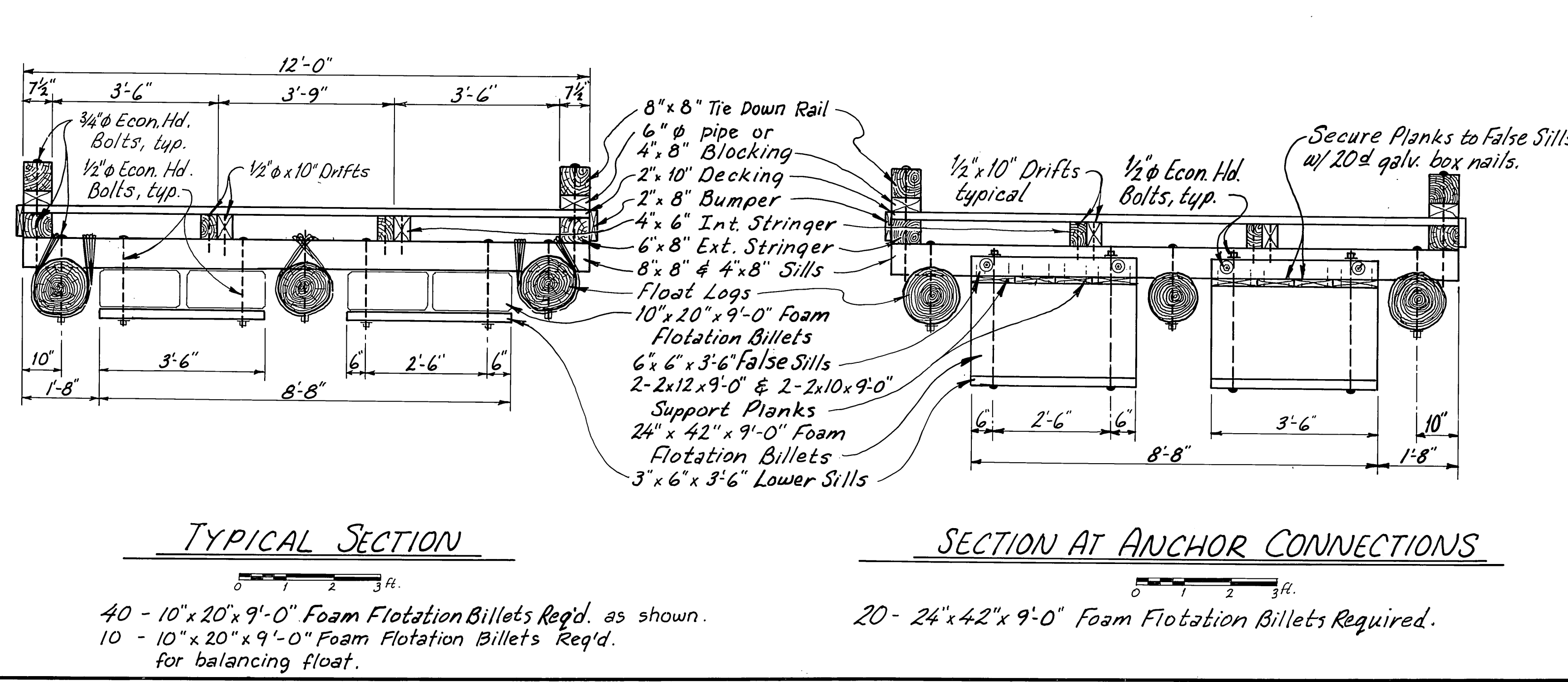
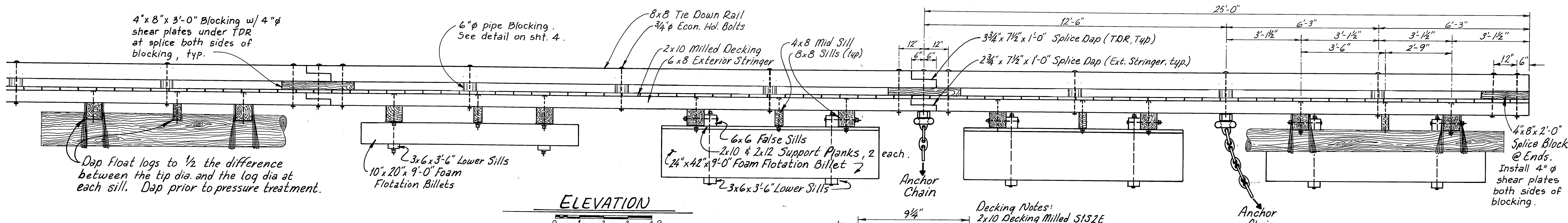
10"x20"x9'-0" Foam Flotation Billets

6x6x3'-6" False Sills

2x10 & 2x12 Support Planks

PLAN

0 1 2 3ft.



Pressure Treated Timber Materials (See Specifications for Treatment & Retention)		
Item:	Dressing:	Notes:
8" x 8" Tie Down Rails	S4S	Shop Drill All Holes
4" x 8" Blocking	S4S	" " " " w/ shear plates.
2" x 10" Decking	Milled S1S2E	Field drill ends to prevent splitting if req'd.
2" x 8" Bumpers	S4S	" " " " " " " "
6" x 8" Exterior Stringers	S4S	Shop Drill All Holes
4" x 6" Interior Stringers	S4S	" " " " "
8" x 8" Sills	S4S	" " " " except @ int. stringers
4" x 8" Mid Sills	S4S	" " " " " " " "
3" x 6" Lower Sills	S4S	" " " " "
Float Logs	ASTM D25	Cut Daps & Drill Holes Prior to Treatment
2"x10" & 2"x12" Support Planks	S4S	Field Drill All Holes
6" x 6" False Sills	S4S	Shop Drill All Holes

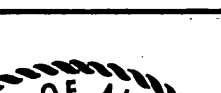
GENERAL NOTES

Lash all logs at tip & butt ends and at every other 8x8 sill with 4 turns $\frac{1}{2}$ " galv. cable. Secure with 3" galv. trap staples each turn. Return bend and staple cable ends. Lash logs to both 8x8 sills at anchor connections.

All holes to be drilled and daps to be cut prior to pressure treatment (except where specified).

Float logs shall have a minimum tip circumference of $3\frac{1}{2}$ " (10" dia.) and a maximum butt circumference of 50" (16" dia.).

Contractor to furnish and install, where directed by the Engineer, 10 10"x20"x9'-0" flotation billets to balance the float.

STAMP  Jack Daniel Beedle CE - 5309 REGISTERED PROFESSIONAL ENGINEER	DO NOT SCALE THIS DRAWING — USE DIMENSIONS STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES <i>KETCHIKAN (City Float)</i> <i>ALASKA</i> <i>12' WIDE LOG REINFORCED FLOAT DETAILS</i>	
DESIGNED _____ PROJECT NUMBER <i>69720</i>	CHECKED <i>JDB</i> DATE <i>Nov. 1988</i>	DRAWN <i>WmW</i> SHEET <i>5</i> OF <i>11</i>

