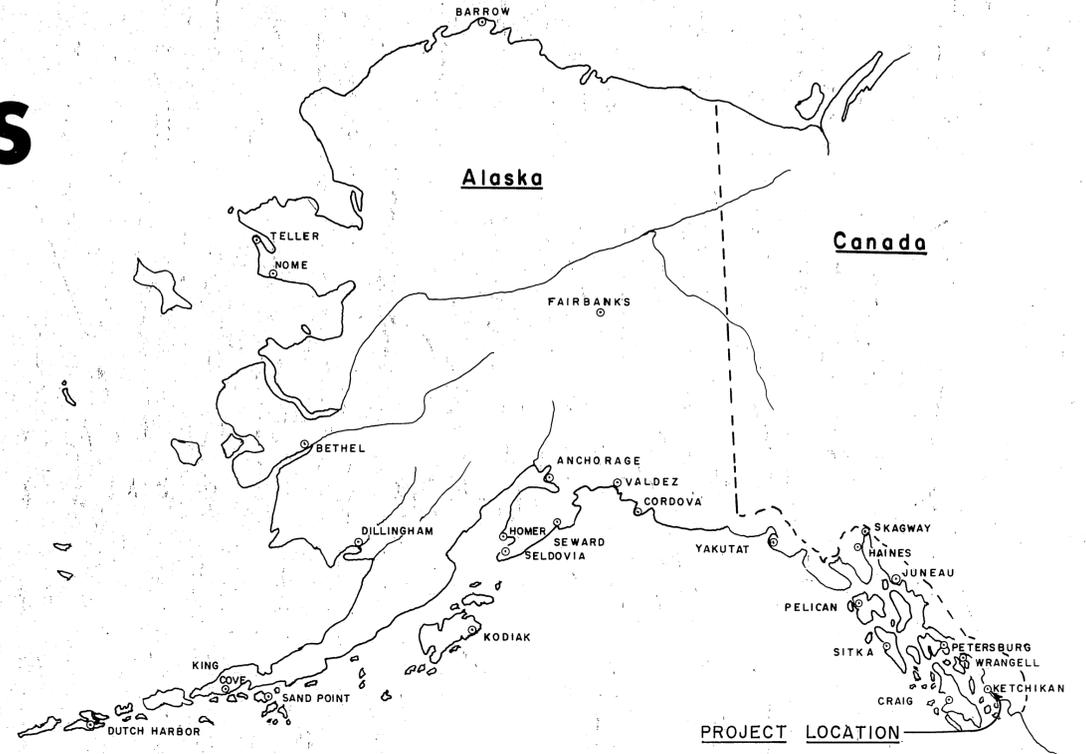


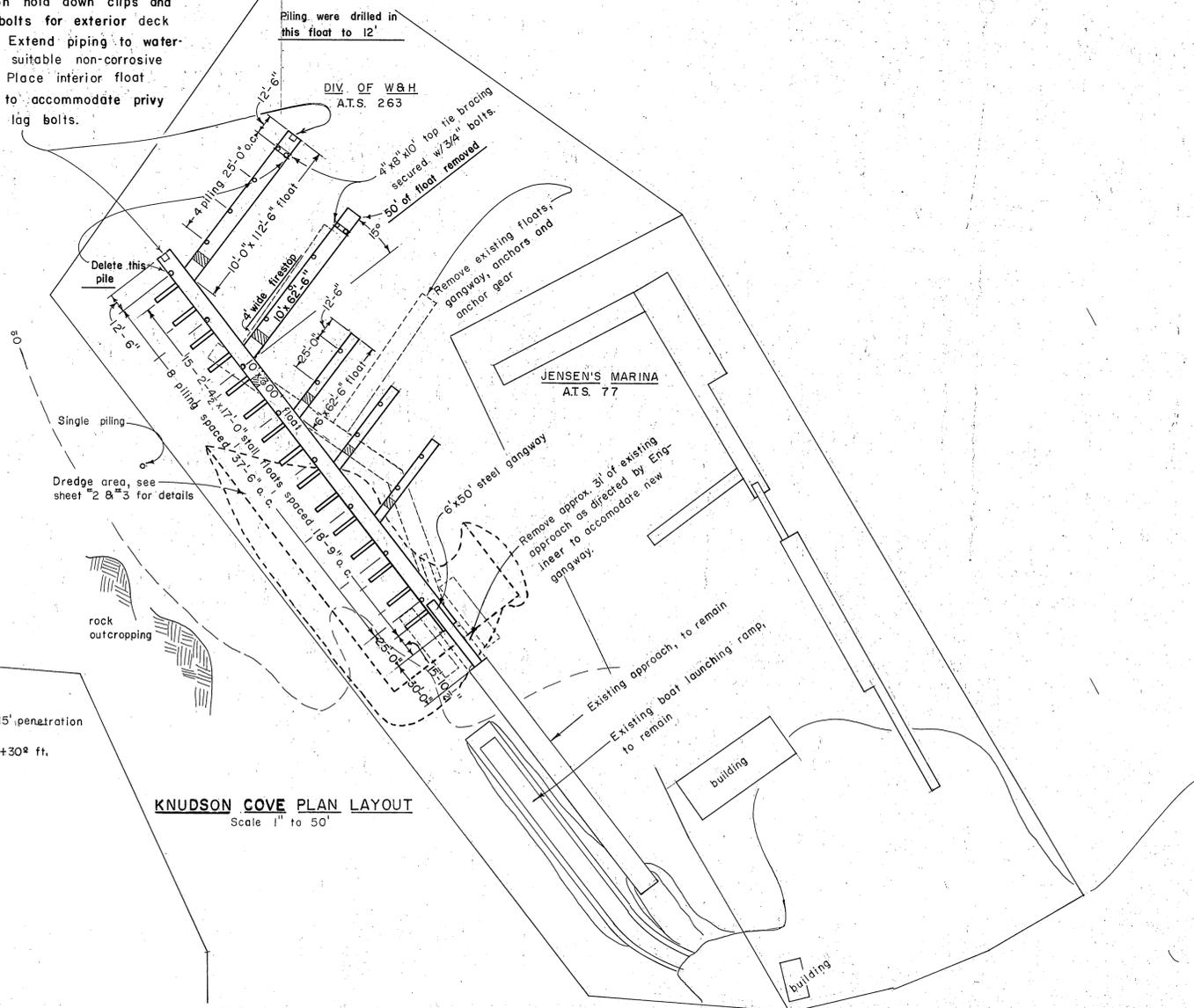
STATE OF ALASKA  
DEPARTMENT OF PUBLIC WORKS  
**DIVISION OF WATER & HARBORS**

KNUDSON COVE FLOAT FACILITIES  
PROJECT NO. 5-68117  
KETCHIKAN CITY FLOAT FACILITIES  
PROJECT NO. 3-68142



Floata not constructed per plans, mostly due to improper fabrication. 6" shortage on bullrails-pontoon sections pulled together to make up the difference, see sheet 3

Install fiberglass privies in locations shown. Provide 4-4" L x 4" long angle iron hold down clips and 1/2" lag bolts for exterior deck mounting. Extend piping to waterline with suitable non-corrosive material. Place interior float stringers to accommodate privy hold down lag bolts.



**KNUDSON COVE PLAN LAYOUT**  
Scale 1" = 50'

- Notes:**
1. Piling to be driven butt down to 15' penetration or refusal as directed by Engineer
  2. Float piling to be cut-off at Elev. +30' ft.

**WORK SUMMARY**

**KNUDSON COVE FLOAT FACILITIES, PROJECT NO. 5-68117**  
Major units include removal and disposal of existing log floats, gangway, anchor gear and 31' of the existing approach structure, pulling 18 existing creosote piling, dredging and disposal of approximately 5,000 cu. yds. of common material, furnishing and driving 24 piling (1,833 L.F.), construction and installation of 6,940 S.F. of polystyrene floats and furnishing and installing a 6'x50' steel gangway.

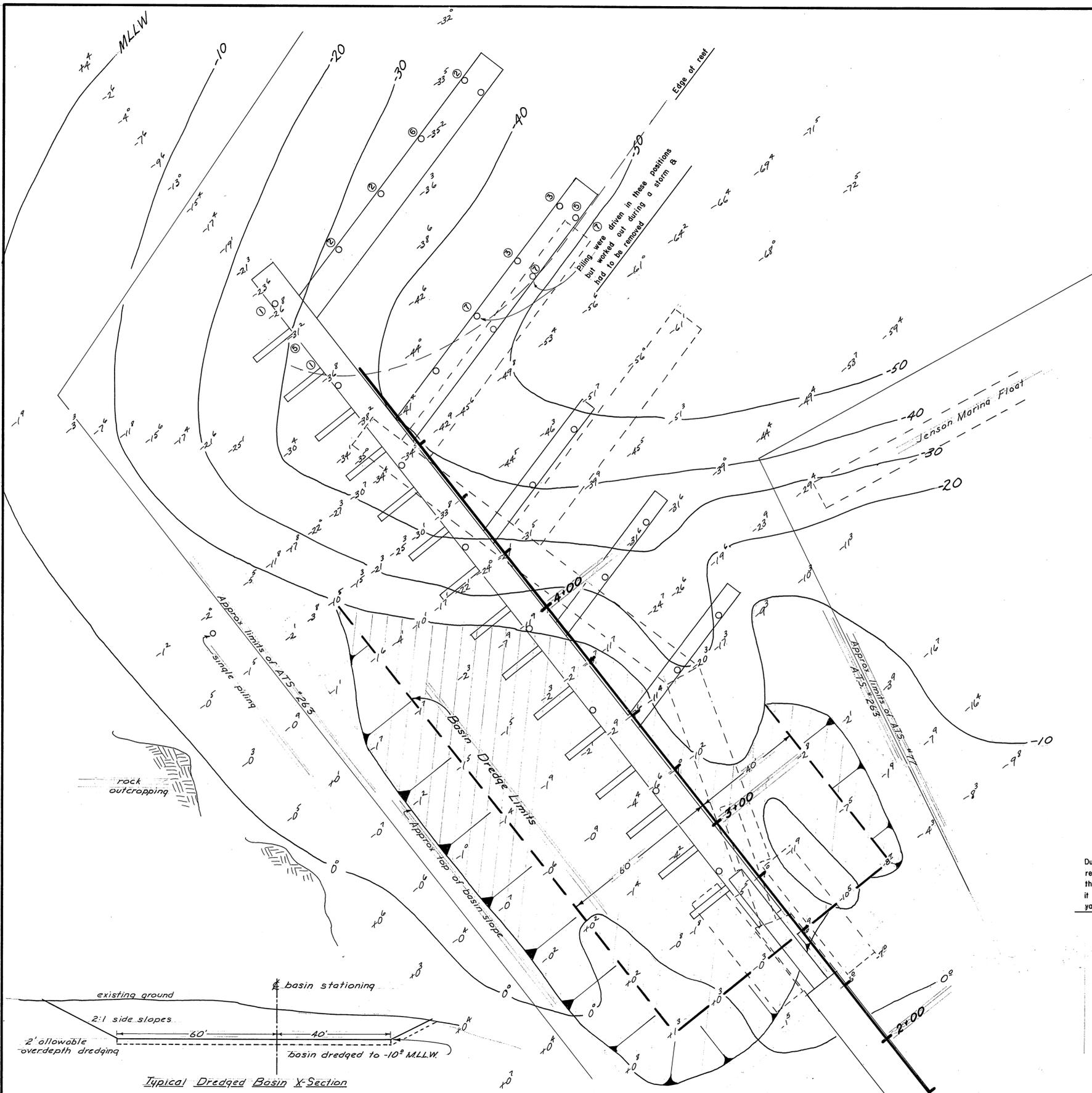
**KETCHIKAN CITY FLOAT FACILITIES, PROJECT NO. 3-68142**  
Major units include removing and disposing of 225 L.F. of existing log float pulling 2 existing creosote piling, rehabilitating 2,160 S.F. of existing polystyrene floats, repairing one existing 6'x50' timber gangway, furnishing and driving 5 piling (325 L.F.), and construction and installation of 2,221 S.F. of polystyrene floats.

**INDEX TO SHEETS**

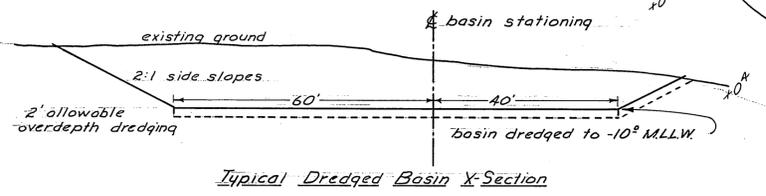
TITLE	SHEET NO.
DREDGING PLAN LAYOUT	1
MISCELLANEOUS DETAILS	2
DREDGING X-SECTIONS	
FLOAT CONNECTION DETAILS	
FLOAT STRINGER LAYOUT	3
TYPICAL GANGWAY	4
TYPICAL FLOATS	5
TYPICAL STALL FLOATS	6
CITY FLOAT PLAN AND DETAILS	7
CITY FLOAT GANGWAY REPAIRS	8

AS BUILT

DATE Mar 31 '67 APPROVED George R. McChale  
COMMISSIONER



Due to the small amounts of irregular portions of overdepth remaining & considering the contractor's diligence in removing the dredged material under the difficult conditions encountered - it was decided to pay the contractor for the total estimated yardage (5000) as set forth in the bid schedule.



Knudson Cove Proposed Dredging Layout  
Scale 1" to 20'

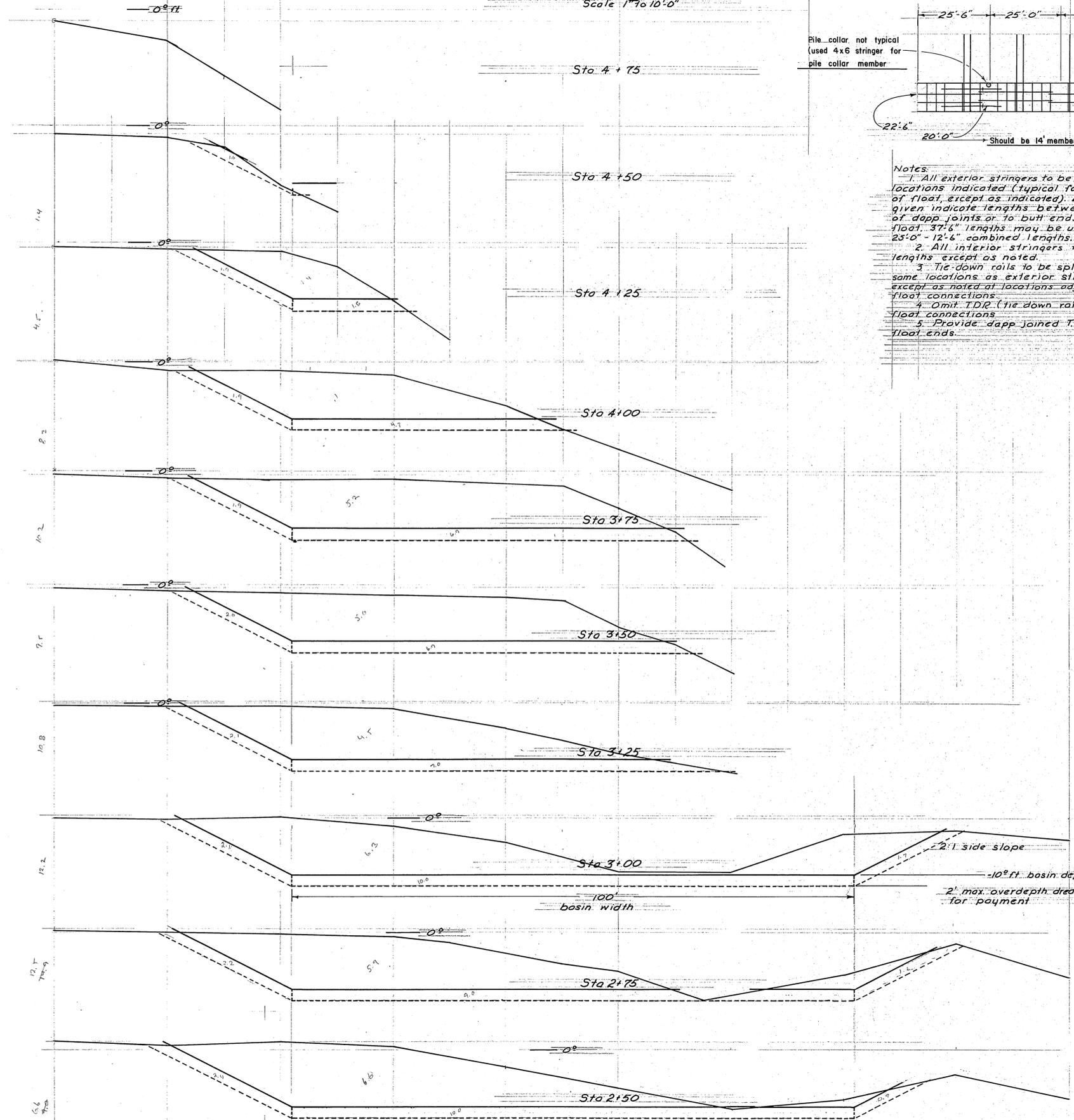
Base Line (edge of existing approach)  
Sta 0+00 is 50' in back of beginning of approach

STATE OF ALASKA  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF WATER AND HARBORS

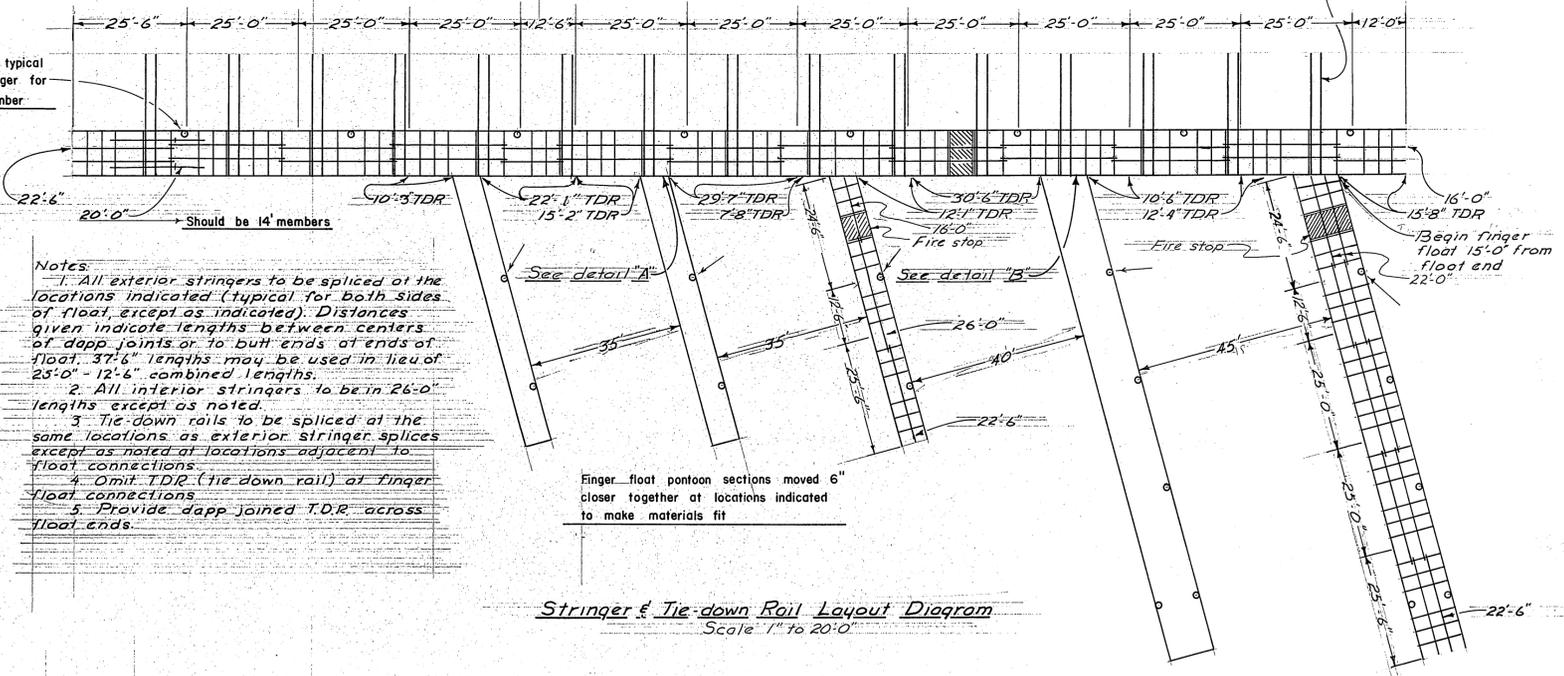
**KNUDSON COVE DREDGING LAYOUT**

SCALE as shown	APPROVED <b>DON STATTER</b> DIRECTOR
DATE <b>Mar., 1967</b>	
PROJ. NO. <b>5-67117</b>	
SURVEYED BY	DRAWN BY <b>B.D.</b> CHECKED BY

**Basin Dredging X-Sections**  
Scale 1" = 10'-0"



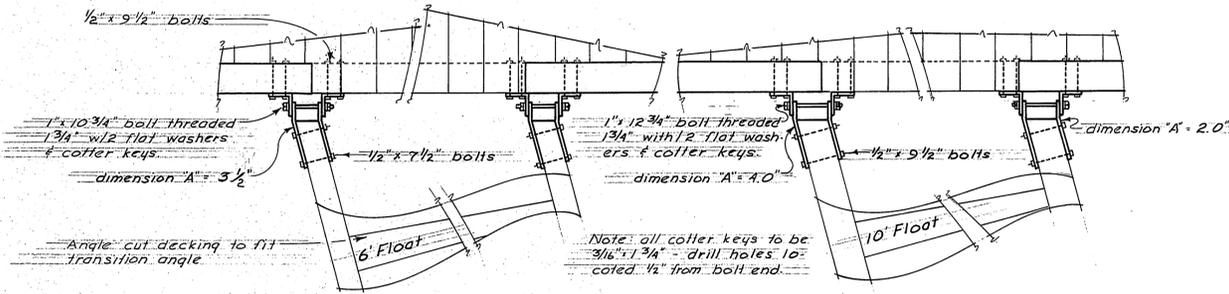
Pile collar not typical (used 4x6 stringer for pile collar member)



- Notes:**
1. All exterior stringers to be spliced at the locations indicated (typical for both sides of float, except as indicated). Distances given indicate lengths between centers of dapp joints or to butt ends at ends of float. 37'-6" lengths may be used in lieu of 25'-0" - 12'-6" combined lengths.
  2. All interior stringers to be in 26'-0" lengths except as noted.
  3. Tie-down rails to be spliced at the same locations as exterior stringer splices except as noted at locations adjacent to float connections.
  4. Omit TDR (tie down rail) at finger float connections.
  5. Provide dapp joined TDR across float ends.

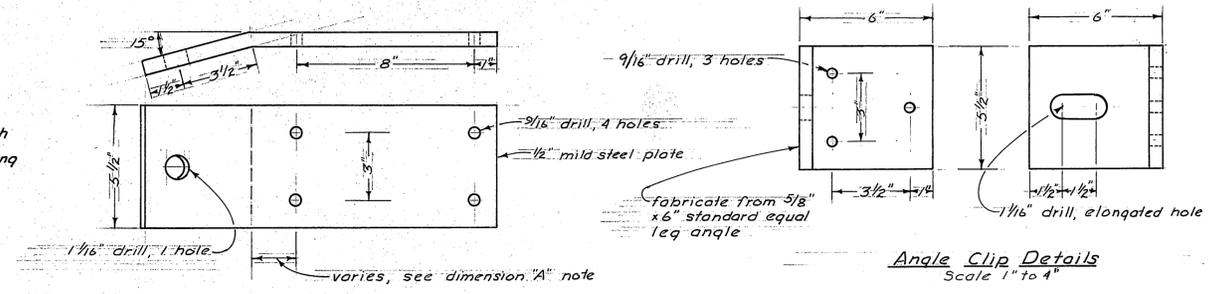
**Stringer & Tie-down Rail Layout Diagram**  
Scale 1" = 20'-0"

3519 1/2<sup>3</sup> basin excavation  
950 4/2<sup>3</sup> overdepth  
4469 4/2<sup>3</sup> total allowable excavation  
413 7/2<sup>3</sup> side slope overdepth  
4882



**Detail A**  
6' finger float connection detail  
Scale 1/2" = 1'-0"

**Detail B**  
10' finger float connection detail  
Scale 1/2" = 1'-0"

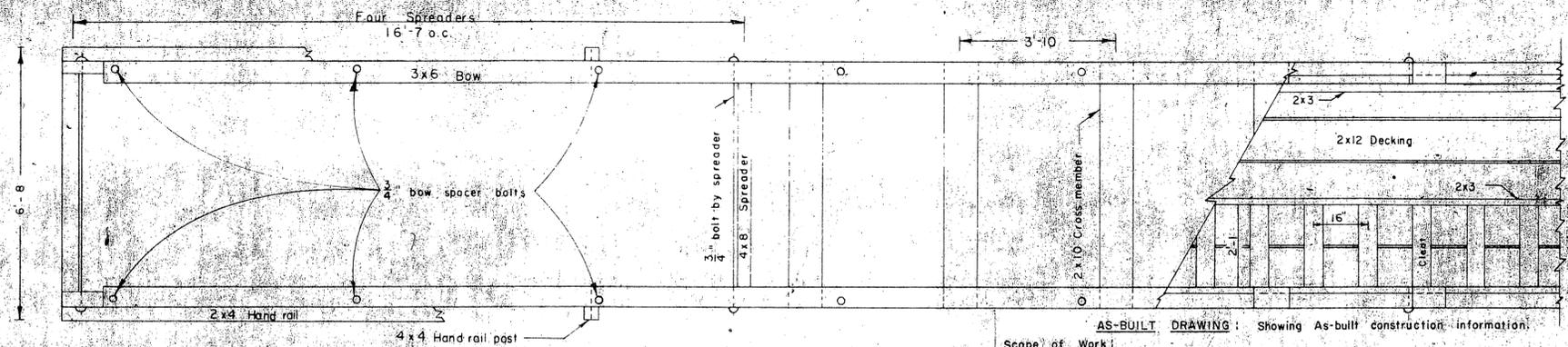


**Bent Plate Details**  
Scale 1" = 4"

**Angle Clip Details**  
Scale 1" = 4"

STATE OF ALASKA  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF WATER AND HARBORS  
**BASIN X-SECTIONS**  
**STRINGER LAYOUT**  
**MISC. CONNECTION DETAILS**

As shown  
March, 1967  
NO. 5-67117  
APPROVED **DON STATTER**  
DIRECTOR  
DRAWN BY **18** CHECKED BY

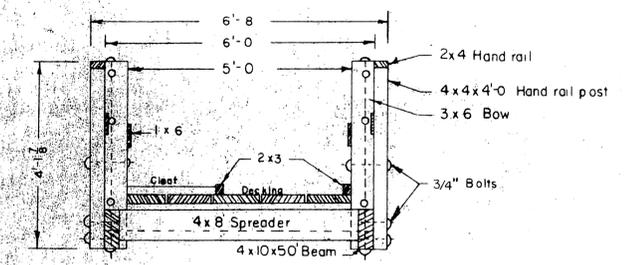


PLAN  
1/2" = 1'

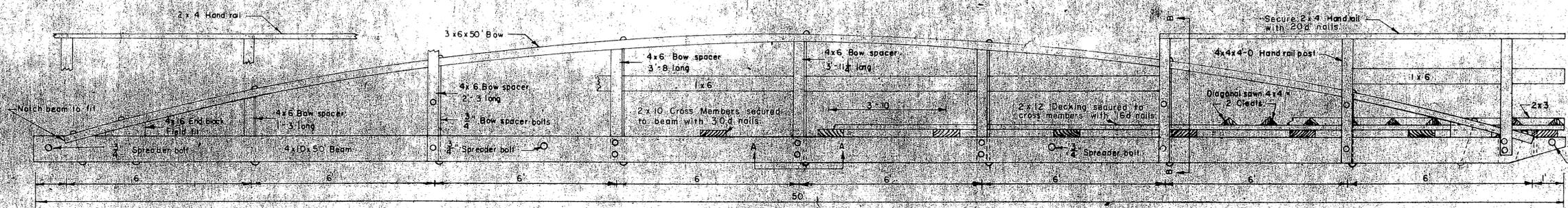
AS-BUILT DRAWING: Showing As-built construction information.

Scope of Work:

Rehabilitate gangway; replace existing non preservative treated Sitka Spruce (2" x 10" cross members, 2" x 12" decking, 4" x 4" cleats, 2" x 3" runners, 2" x 4" handrail and 1" x 6" girts only) with 8<sup>th</sup> creosote treatment (empty cell process) Douglas Fir material, graded as dressed as shown on Material Bill. Field treat the remainder of the timber materials with a thorough brush coat of hot creosote oil applied during warm dry weather. Replacement of materials to follow those construction details as shown on this As-built drawing as closely as practicable.



SECTION B-B  
1/2" = 1'

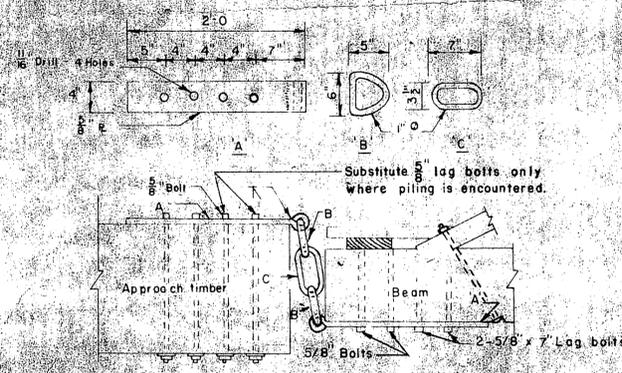


SIDE ELEVATION  
1/2" = 1'

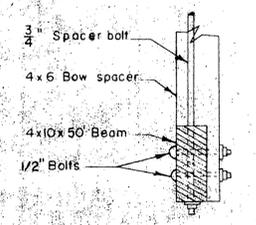
NOTE  
Section A-A applies only to the 3 center Bow Spacers. Remaining 4 Bow Spacers are flush with top of beam. Bow Spacer heights are centerline measurement.

MATERIALS				
ITEM	GRADE	DRESSING	TREATMENT	MATERIALS
4x10 Beams	Select Struct.	S 2 E	Creo 10 <sup>th</sup> ret.	Douglas Fir
3x6 Bow	"	S 4 S	"	"
4x6 Spacer	Construction	S 2 E	None	Sitka Spruce
2x10 Cross Member	"	S 1 S	"	"
4x8 Spreader	"	Rough	"	"
2x12 Decking	"	S 1 S	"	"
4x4 Cleats	"	Rough	"	"
2x3 Runners	"	"	"	"
2x4 Handrail	"	S 4 S	"	"
4x4 Posts	"	"	"	"
1x6 Girts	"	"	"	"

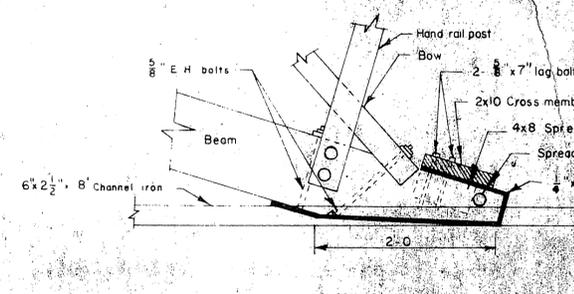
NOTES  
All material shall be cut to size prior to treatment. All hardware to be hot dipped galvanized. All bolts to be of the mushroom headed type. A malleable iron washer to be placed between nut & wood surfaces. Lag bolts to be gimlet pointed. All cuts & notches shall be treated with asphaltic roofing compound.



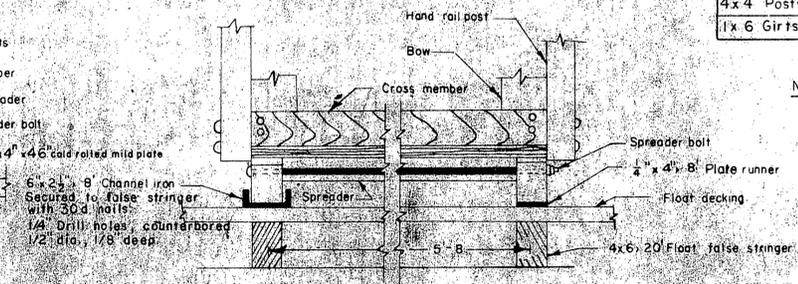
HANGER DETAIL



SECTION A-A  
BOW SPACER-BEAM CONNECTION



SIDE VIEW



END VIEW

GANGWAY - FLOAT CONNECTION

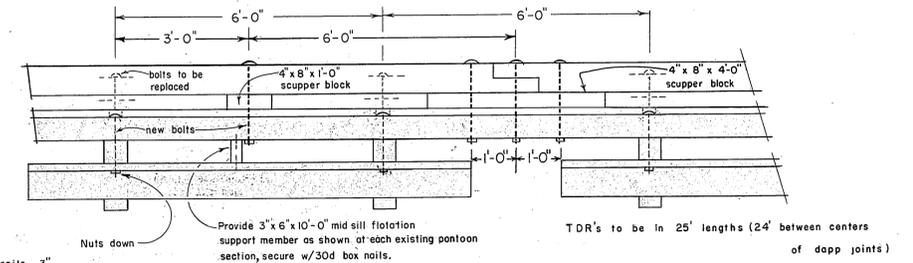
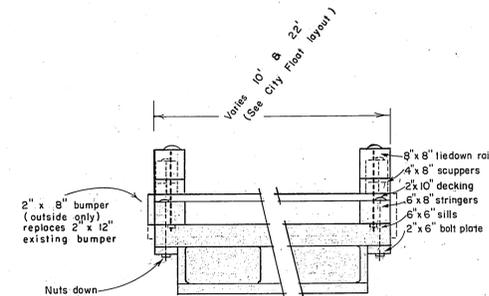
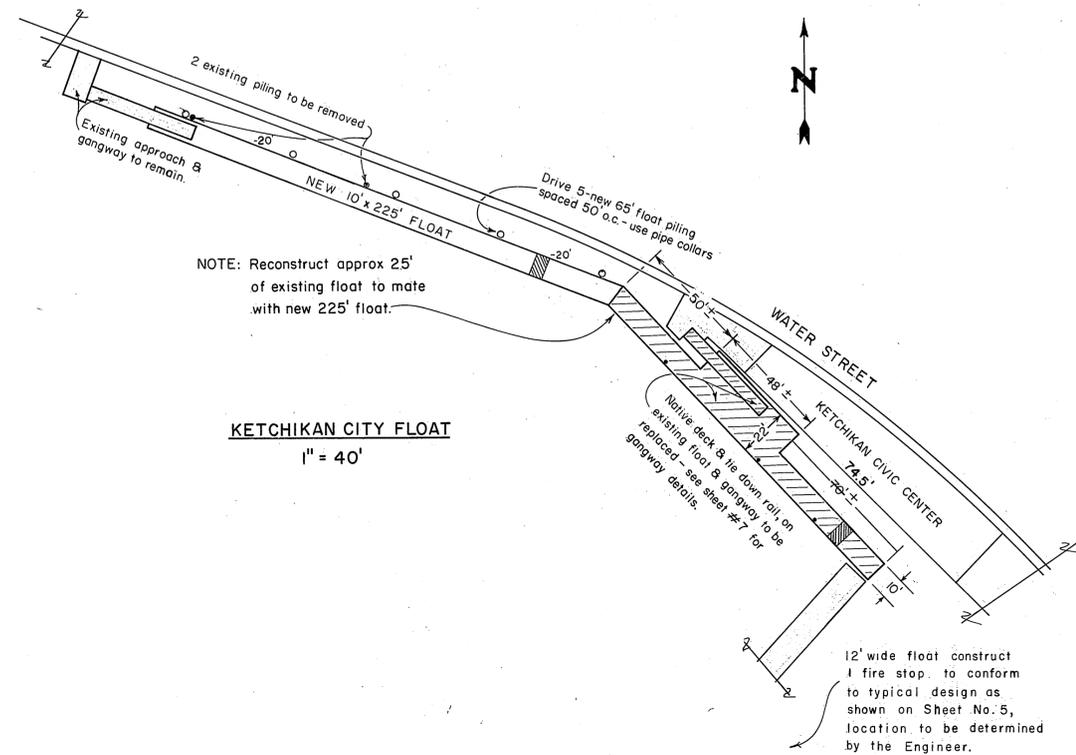
NO DATE	REVISION	BY
ALASKA DEPARTMENT OF PUBLIC WORKS		
<b>GANGWAY REPAIRS (AS-BUILT DRAWING)</b>		
SCALE As Shown	DATE July 21, 1960	APPROVED DON STATTER Director
FILE NO 3-68142		
SURVEYED BY	DRAWN BY MGR	CHECKED BY RPH



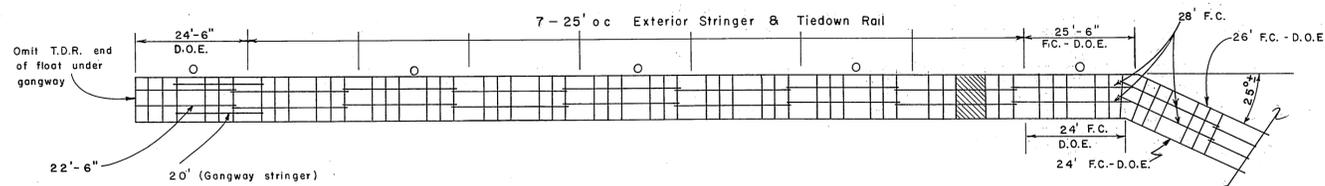
note: As-Built DWS used  
 22" DECK ELEVATION AT  
 MAIN OR NEW CONTROL -  
 SHOULD HAVE BEEN 25"  
 - DEDUCT 2" FROM ALL DEPTHS  
 SHOWN

Knudson Cove Proposed Dredging Layout  
 Scale 1" to 20'

STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS	
<b>KNUDSON COVE DREDGING LAYOUT</b>	
SCALE as shown	
DATE: Mar., 1967	APPROVED: DON STATTER DIRECTOR
PROJ. NO. 5-67117	
SURVEYED BY: _____	DRAWN BY: _____
	CHECKED BY: _____
Sheet No. 2 of 3 sheets	



TIE DOWN RAIL & DECKING REPLACEMENT DETAILS  
1/2" = 1'0"



STRINGER DIAGRAM  
1" = 20'

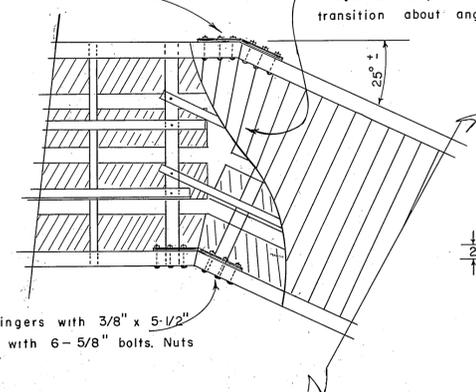
T.D.R. = Tie Down Rail  
F.C. = Field Cut as required  
D.O.E. = Dapp One End only

Notes:

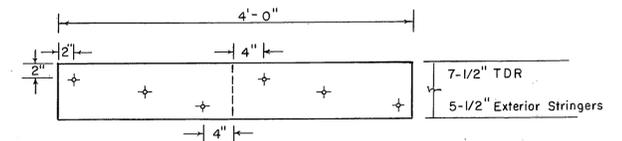
1. All Exterior Stringers & T.D.R. to be spliced at the locations indicated. Distances given indicate lengths between centers of dapp joints.
2. All Interior Stringers to be in 26' lengths except as indicated.

Splice tie-down rails with 3/8" x 7-1/2" x 4'-0" mild steel secured with 6-5/8" bolts. Nuts outside as shown.

Decking at float angles to be wedge cut to provide uniform transition about angle



ANGLE CONNECTION DETAIL  
1/4" = 1'-0"



STATE OF ALASKA  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF WATER AND HARBORS  
KETCHIKAN CITY FLOAT PLAN  
& CONSTRUCTION DETAILS

SCALE AS SHOWN  
DATE March 1967  
PROJECT NO. 3-68142  
DESIGNED BY DS  
APPROVED DON STATTER DIRECTOR  
DRAWN BY TV-CD CHECKED BY DS