

KEY MAP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

PLAN AND PROFILE
PROPOSED HIGHWAY PROJECT

X-30117
WRANGELL SIDEWALK
SIDEWALK CONSTRUCTION

TQS-RS-0943(16)
WRANGELL STAGING AREA
FERRY TERMINAL PARKING LOT MODIFICATIONS

SR-0943 (17)
CHURCH STREET REPAVING
PAVING AND DRAINAGE IMPROVEMENTS

PROJECT SUMMARIES	X-30117	SR-0943 (17)
Length of Project	2,634.32' = 0.499mi.	2,893.42' = 0.548 mi.
Length of Temporary Connection	—	2 @ 25' = 50'
Length of Paving	2,634.32' = 0.499mi.	2,943.42' = 0.557 mi.
Width of Paving	2 @ 5'	39'
Length of Supplemental Alternative	1,740.88' = 0.330 mi.	

END PROJECT NO. SR-0943(17)
Sta. "As Bt" 73+93.42

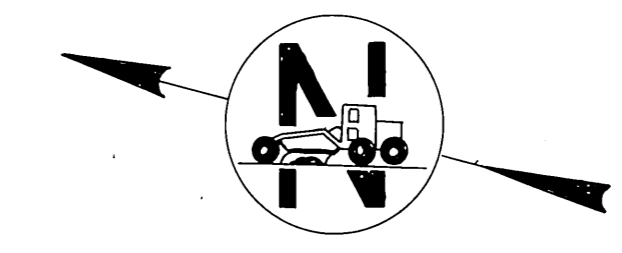
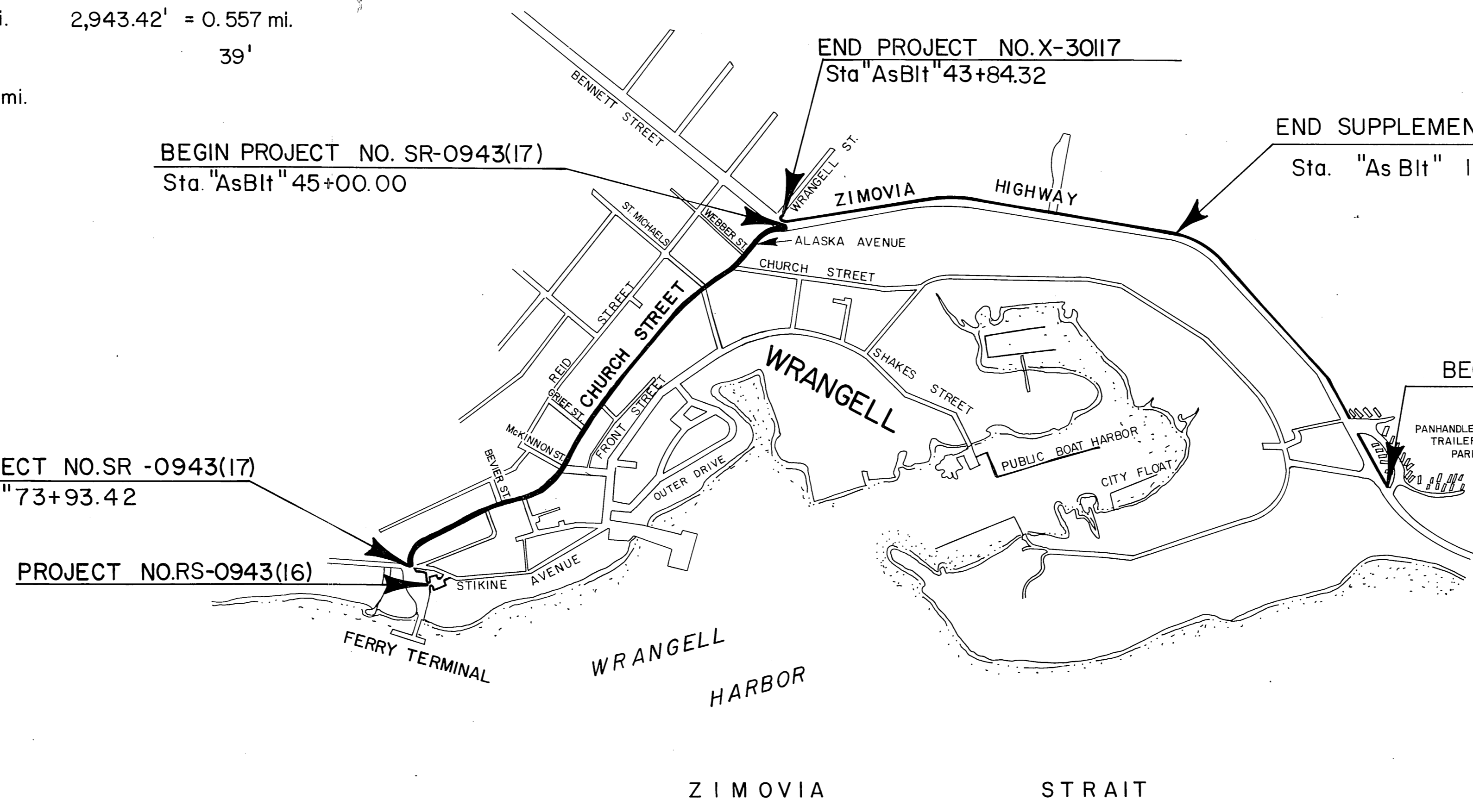
PROJECT NO. RS-0943(16)

BEGIN PROJECT NO. SR-0943(17)
Sta. "As Bt" 45+00.00

END PROJECT NO. X-30117
Sta. "As Bt" 43+84.32

END SUPPLEMENTAL ALTERNATE, BEGIN PROJECT NO. X-30117
Sta. "As Bt" 17+50

BEGIN SUPPLEMENTAL ALTERNATE
Sta. "As Bt" 0+09.12



CONTRACTOR: ASSOCIATED SAND & GRAVEL Co., Inc.
PROJECT ENGINEER: D.F. ROBBINS
Beginning Date: 8-20-80
Completion Date: 4-7-81

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
ALASKA	X-30117 TQS-RS-0943(16) SR-0943(17)	1	8

AS BUILT PLANS

INDEX OF SHEETS	
1	Title Sheet
2	Summary Sheet
3	Sidewalk Typical Section
4	Sidewalk Details
5	Ferry Terminal Plan & Profile
6	Ferry Terminal Geometric Details
7	Church Street Paving Typical Section
8	Church Street Curb Extension

The following Standard Drawings apply to this project:
A-1, C-00.04, C-10.03, C-11.03, D-01.00, D-04.00, D-05.00
D-20.10, D-23.01, D-24.13, D-26.03, I-20.01, L-03.11, L-14.01
L-20.03, L-23.03, L-30.01, M-16.03, R-12.01, S-00.11, S-05.00
S-20.10, S-30.12, T-20.03, T-21.03, T-22.00, T-31.01

DESIGN DESIGNATION	SR-0943(17)
ADT (1978)	1922
ADT (2000)	3491
DHV (12%)	419
D	60-40
T	3.64%
T.I.	7.0

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED
Wallace K. Williams DATE 4-28-80
SOUTHEASTERN REGION
DESIGN / CONSTRUCTION ENGINEER



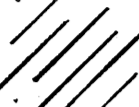


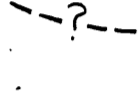
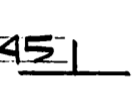
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED
Charles J. Stadelock Date 6-12-80
DIRECTOR-HIGHWAY DESIGN & CONSTRUCTION

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 ALIGNMENT CHECKED: _____
 RT. OF WAY CHECKED: _____
 No. _____

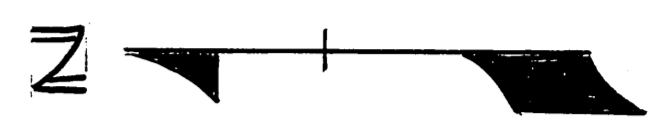
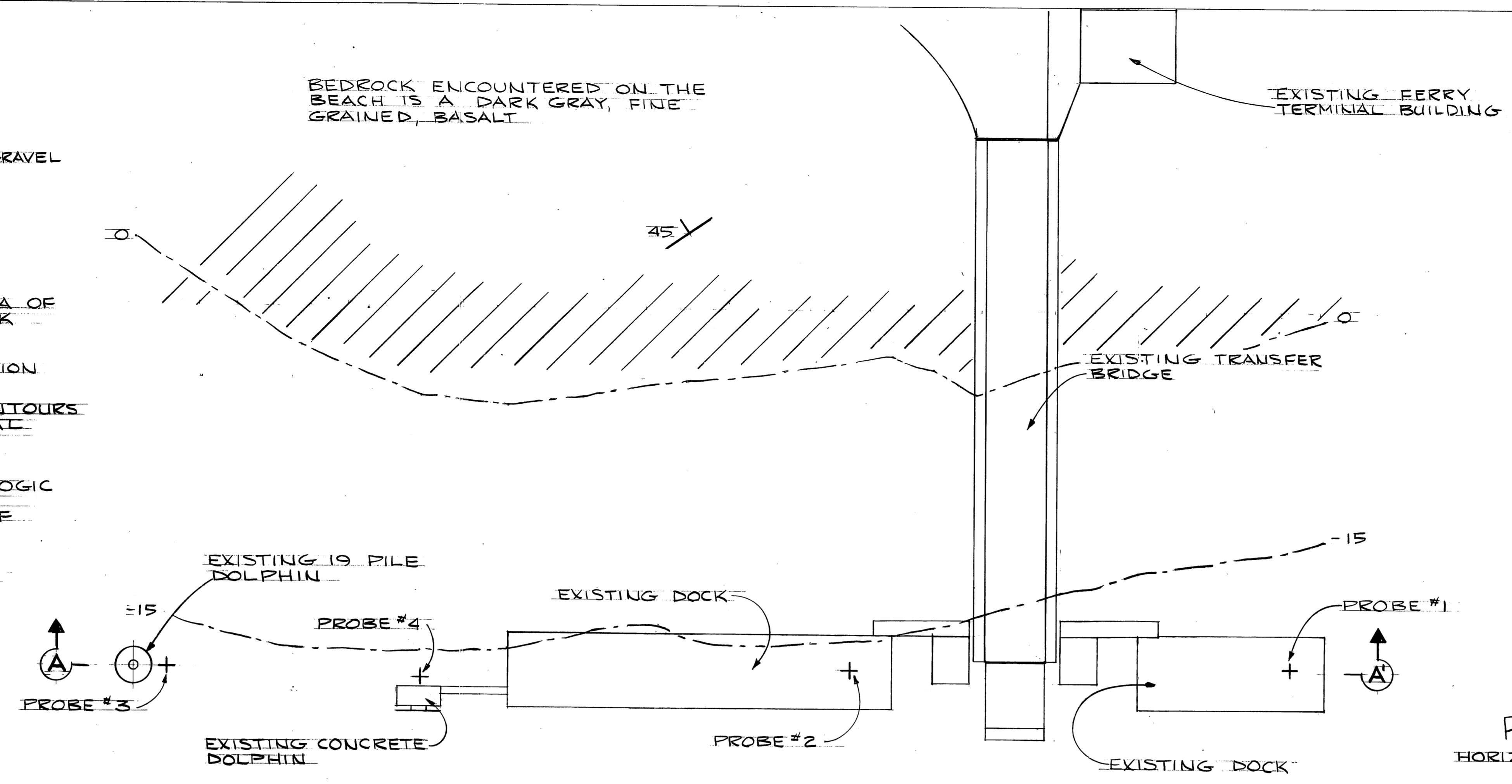
DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 GRADES CHECKED: _____
 STRUCTURE NOTATIONS CHECKED: _____
 No. _____

KEY

-  GRAVELLY SAND TO GRAVEL
-  BEDROCK OR TILL
-  APPROXIMATE AREA OF EXPOSED BEDROCK
-  PROBE HOLE LOCATION
-  BATHYMETRIC CONTOURS ON LINES OF EQUAL ELEVATIONS
-  APPROXIMATE GEOLOGIC CONTACT BETWEEN DIFFERENT TYPE OF MATERIAL
-  STRIKE AND DIP OF BEDROCK

BEDROCK ENCOUNTERED ON THE BEACH IS A DARK GRAY, FINE GRAINED, BASALT

EXISTING FERRY TERMINAL BUILDING

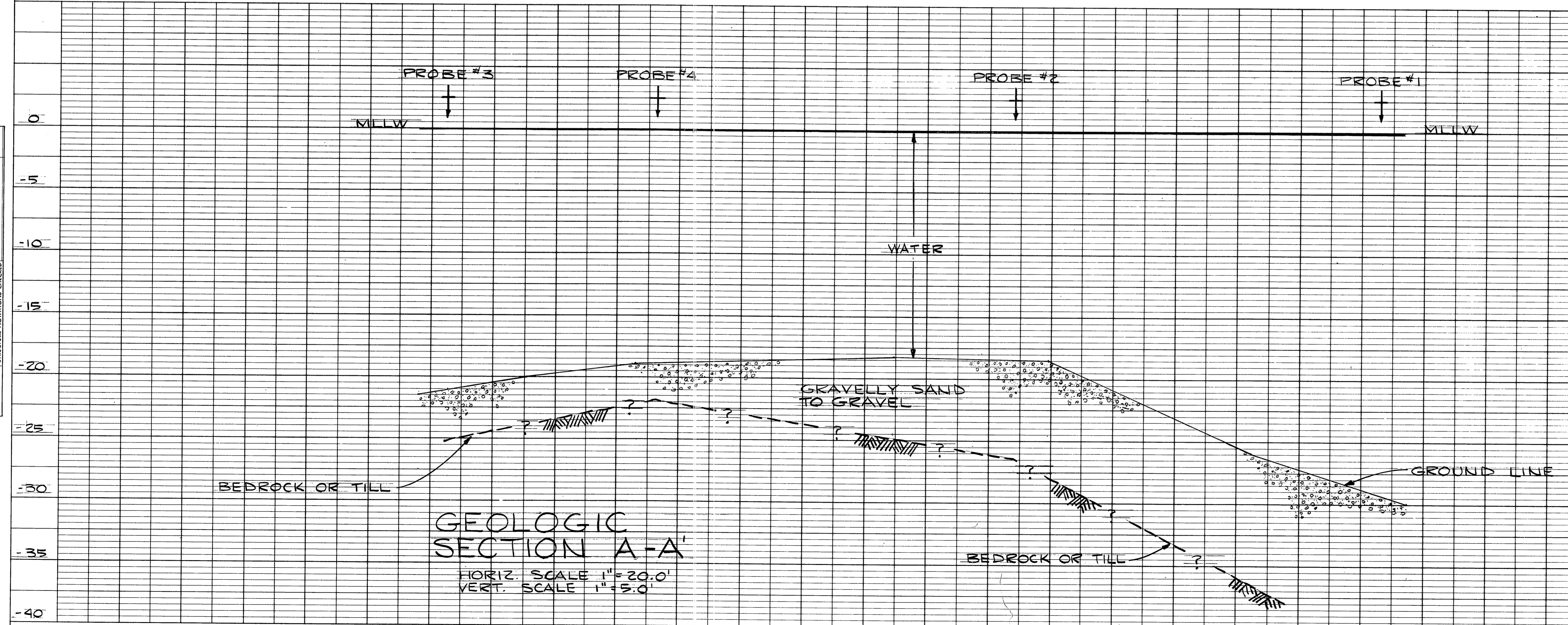


DEPTH TO BEDROCK OR TILL

PROBE NO.	REFUSAL DEPTH*
1	NO REFUSAL > 12 FEET
2	8 FEET
3	4 FEET
4	3 FEET

* FROM GROUND LINE

PLAN
 HORIZ. SCALE 1" = 20'



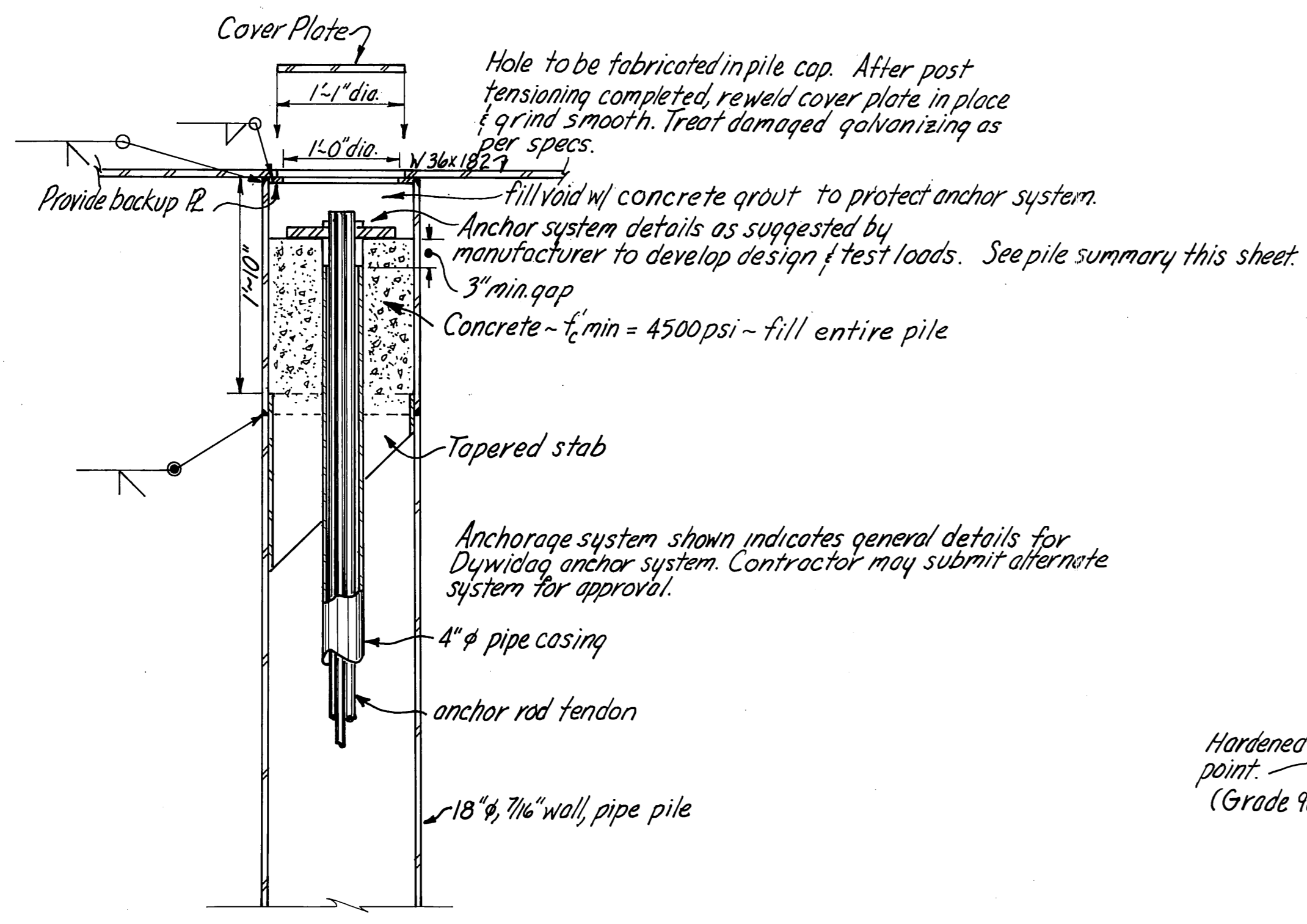
NOTE: REFUSAL WITH THE JET PROBE MAY REFLECT THE UPPER SURFACE OF BEDROCK OR TILL.

GEOLOGIC SECTION A-A'
 HORIZ. SCALE 1" = 20.0'
 VERT. SCALE 1" = 5.0'

ENGINEERING GEOLOGY SECTION
MATERIALS DIVISION
ALASKA DEPARTMENT OF HIGHWAYS

WRANGELL FERRY TERM.

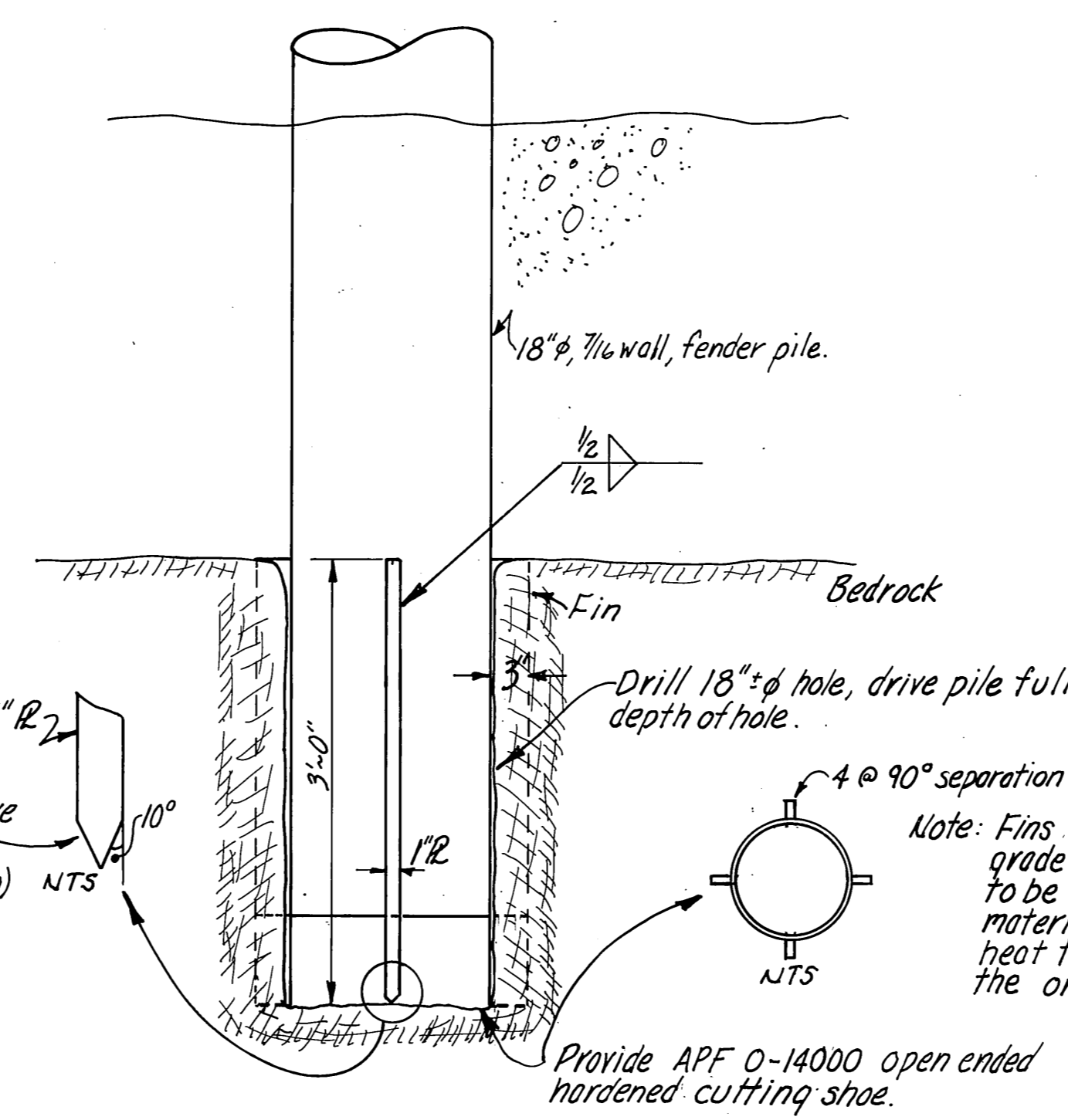
DATA: SML	PROJECT NO: RS-0943(14)
DRAWN: SML	SCALE: AS NOTED
APPROVED: WEB	DATE: 3/77



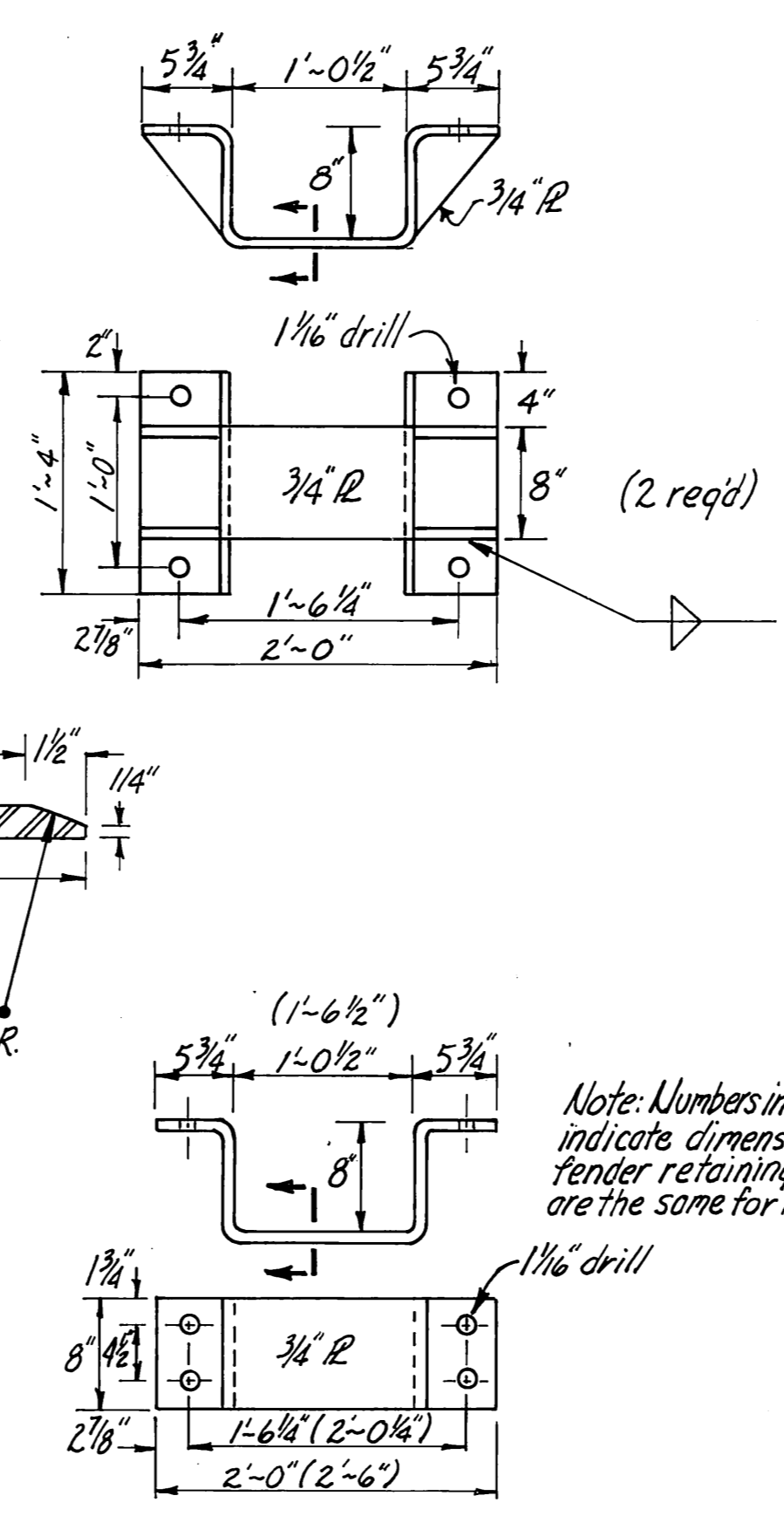
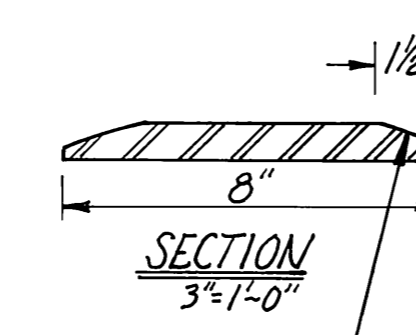
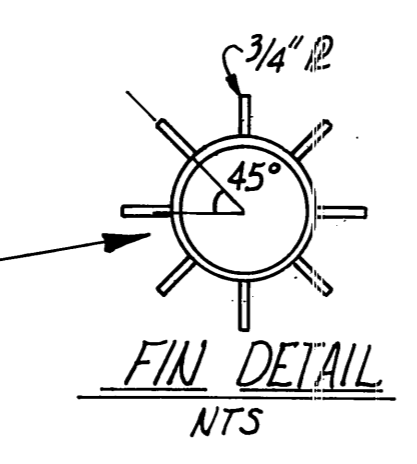
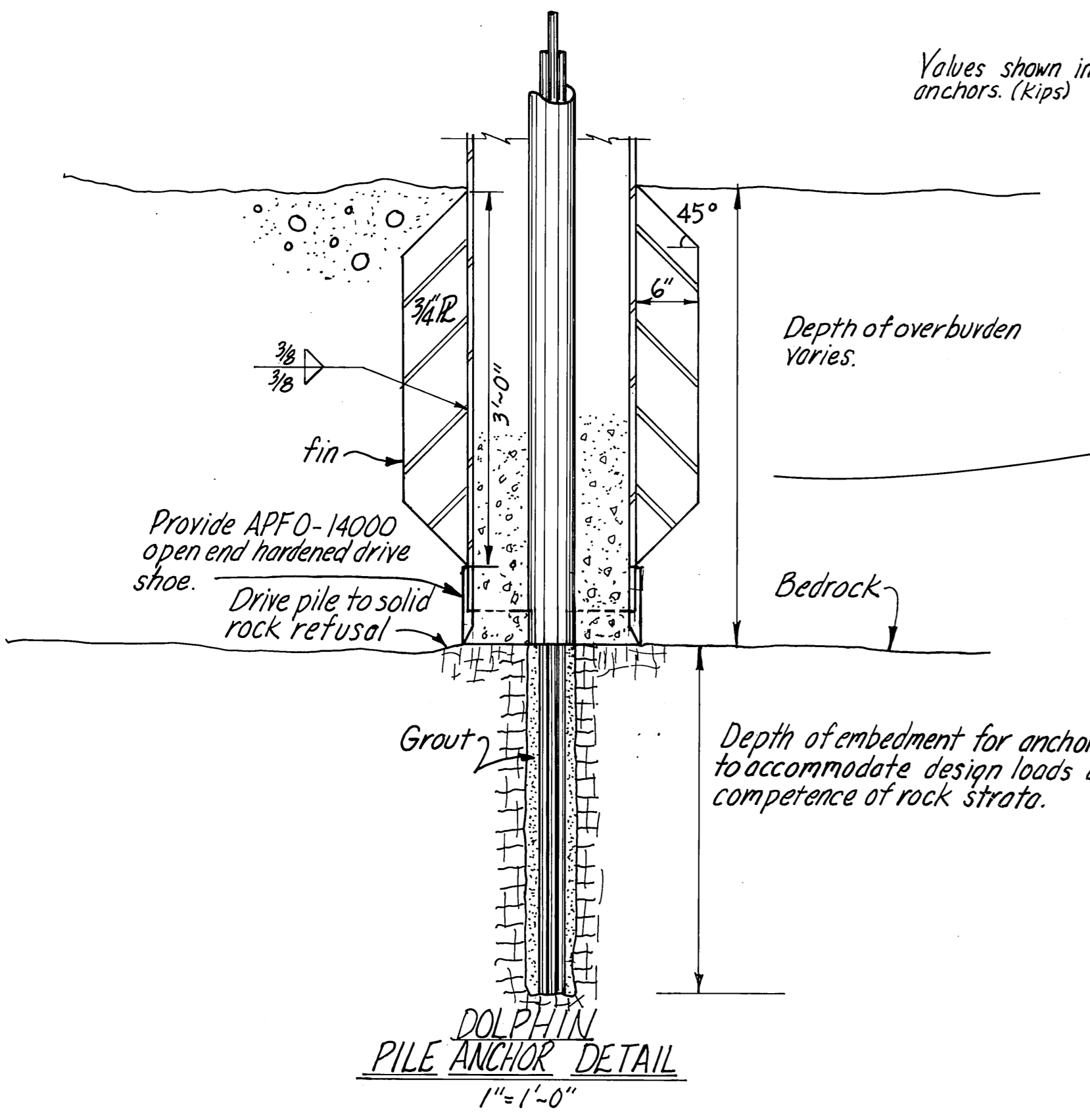
Note: All pen. welds are full pen.

Pile Summary		Vert. Pile		Batter Pile	
Pile Type	Tip Elev.*	Max. Up	Max. Down	Max. Up	Max. Down
18" ϕ , 7/16" wall thickness	-30.00	200*(200)	100*	50*(50)	100*
12" ϕ , 3/8" wall thickness	-30.00	25*(25)	25*	25*(25)	25*

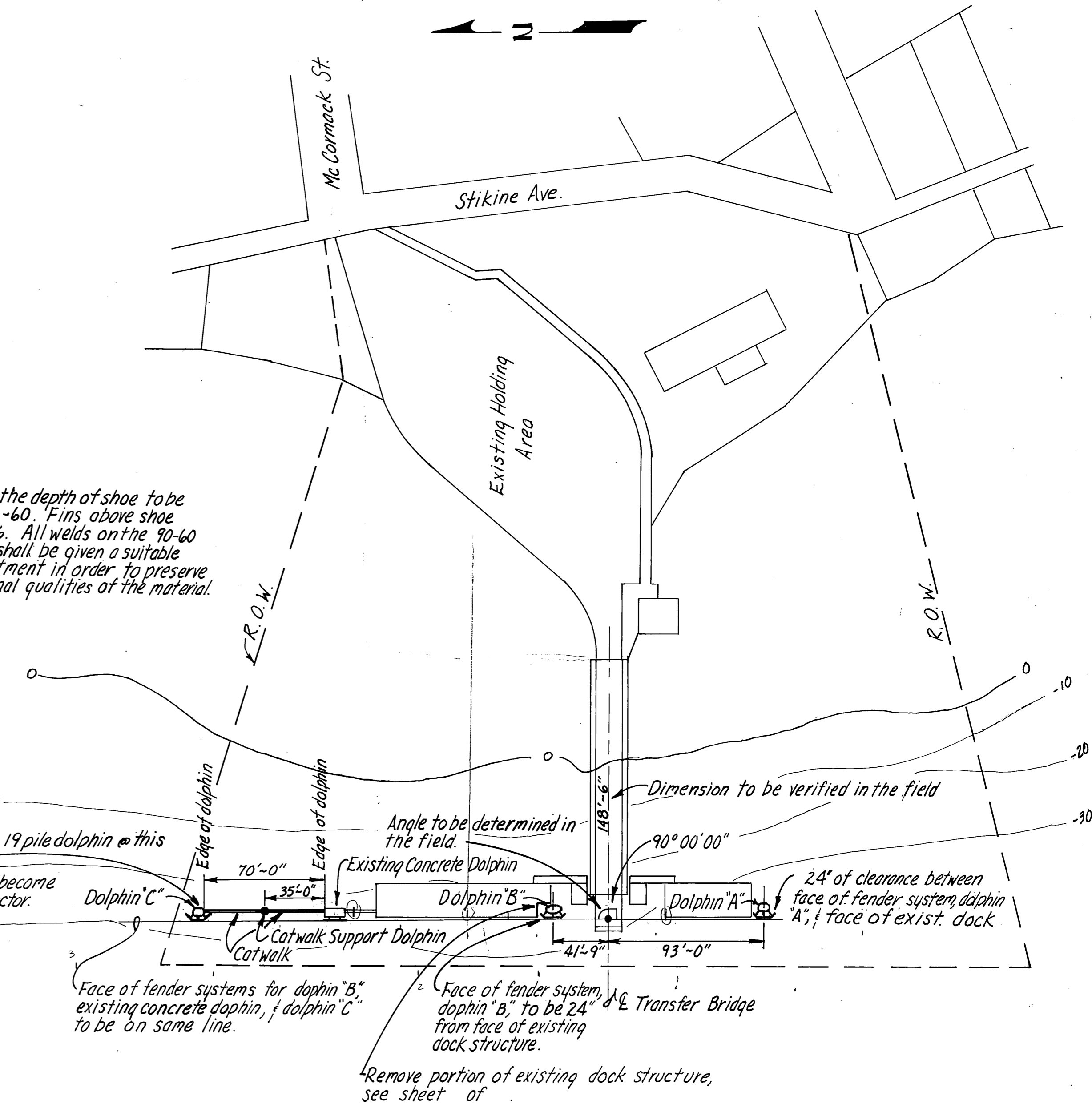
* Estimated



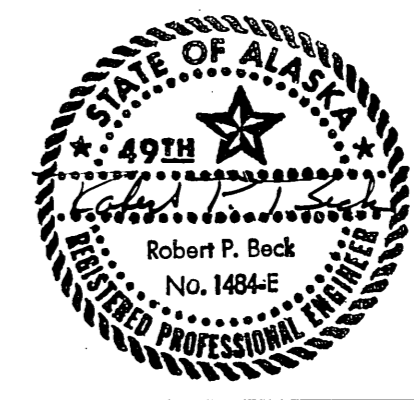
FENDER PILE TORSION SOCKET
1" = 1'-0"



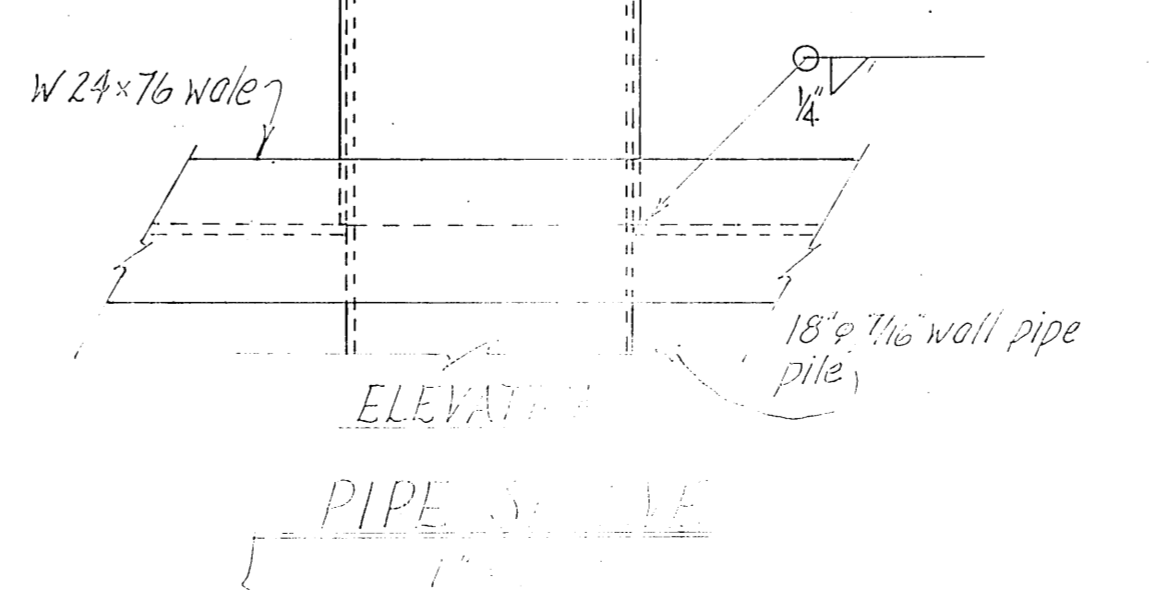
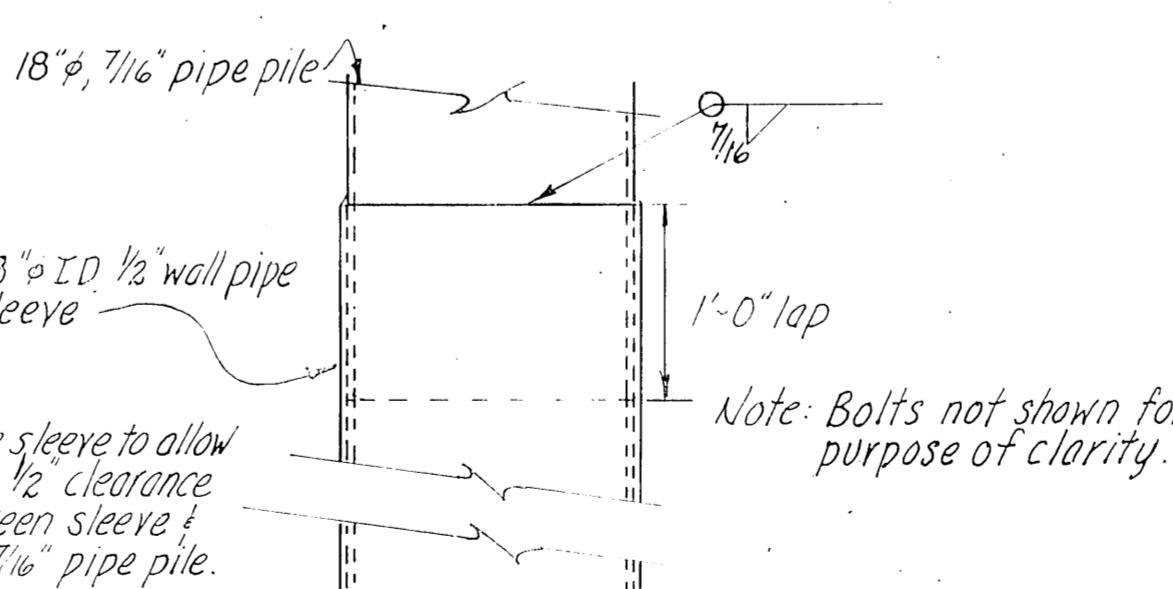
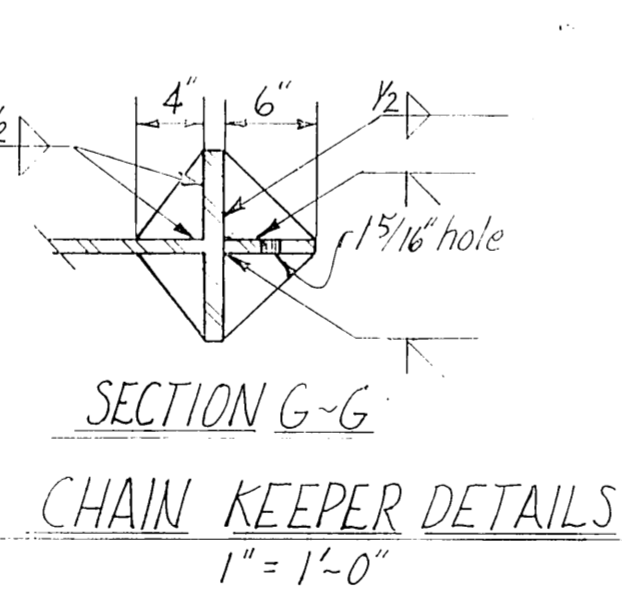
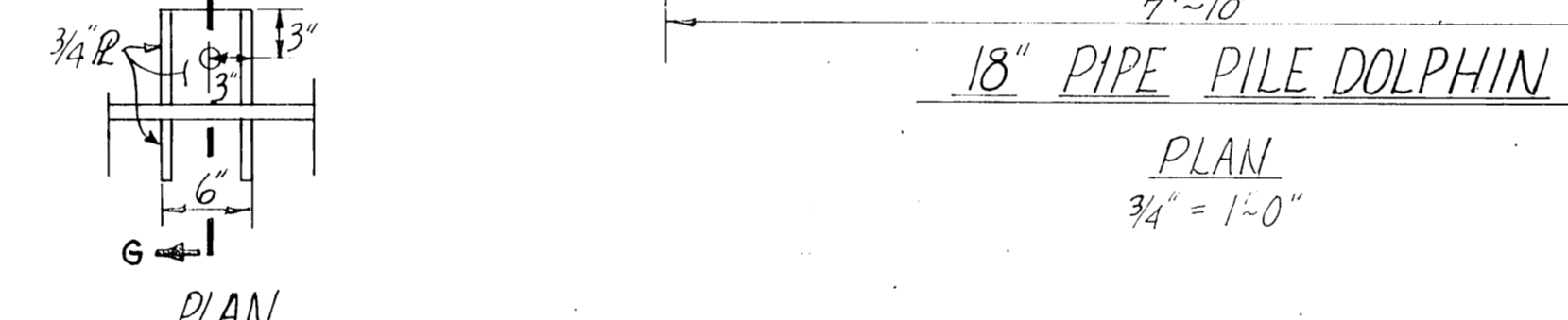
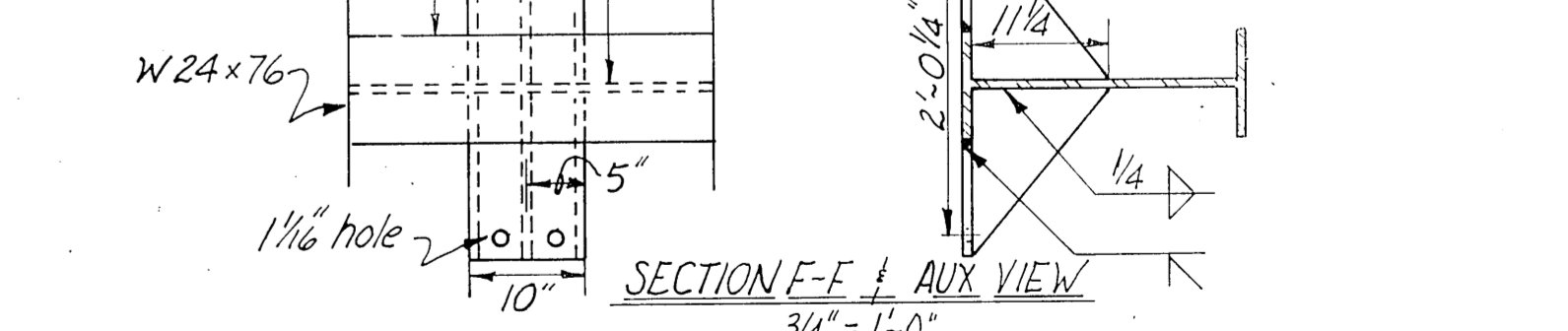
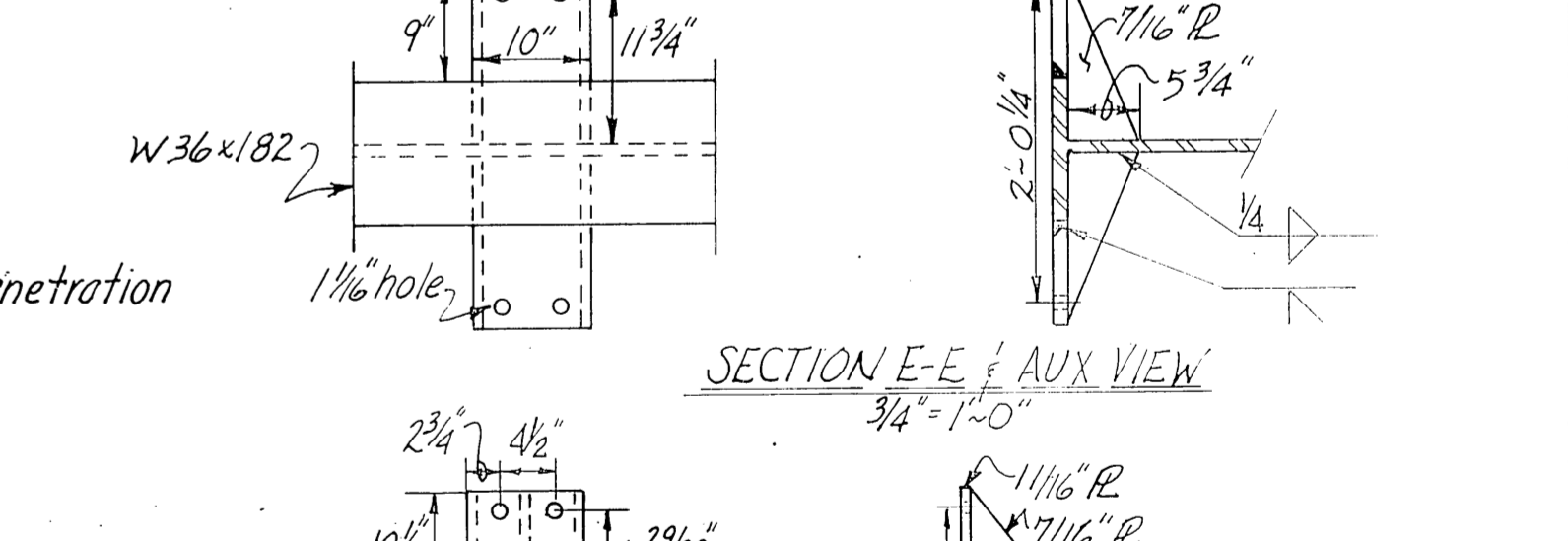
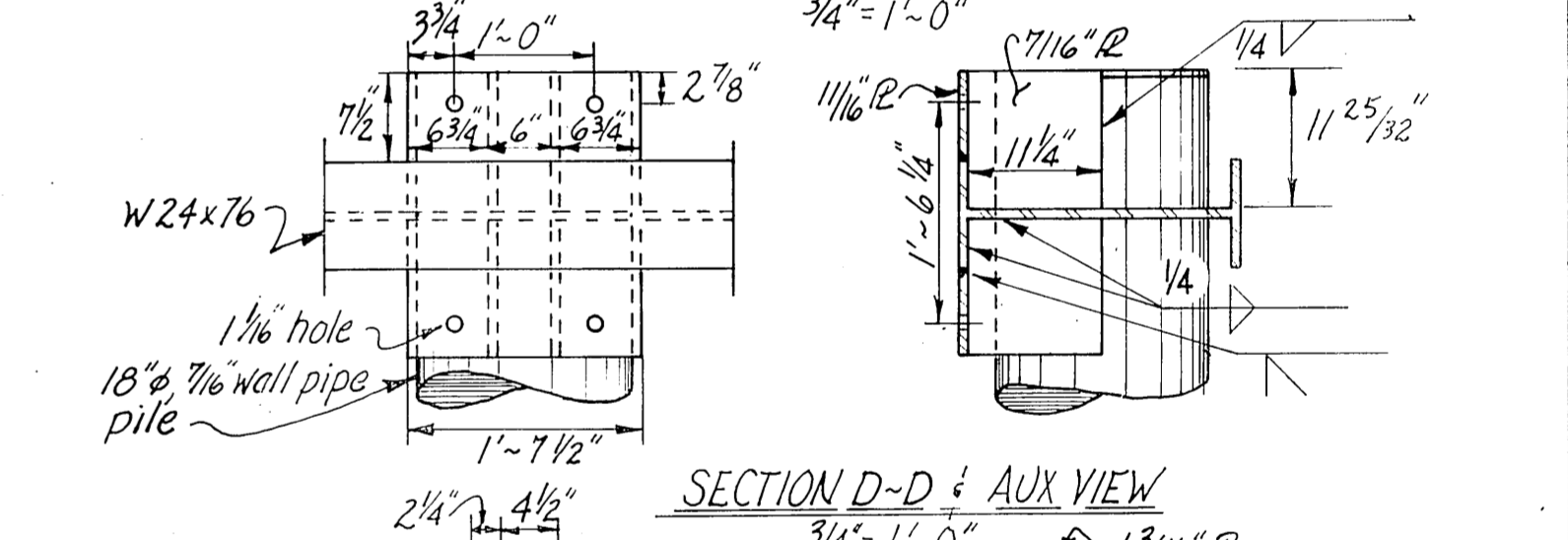
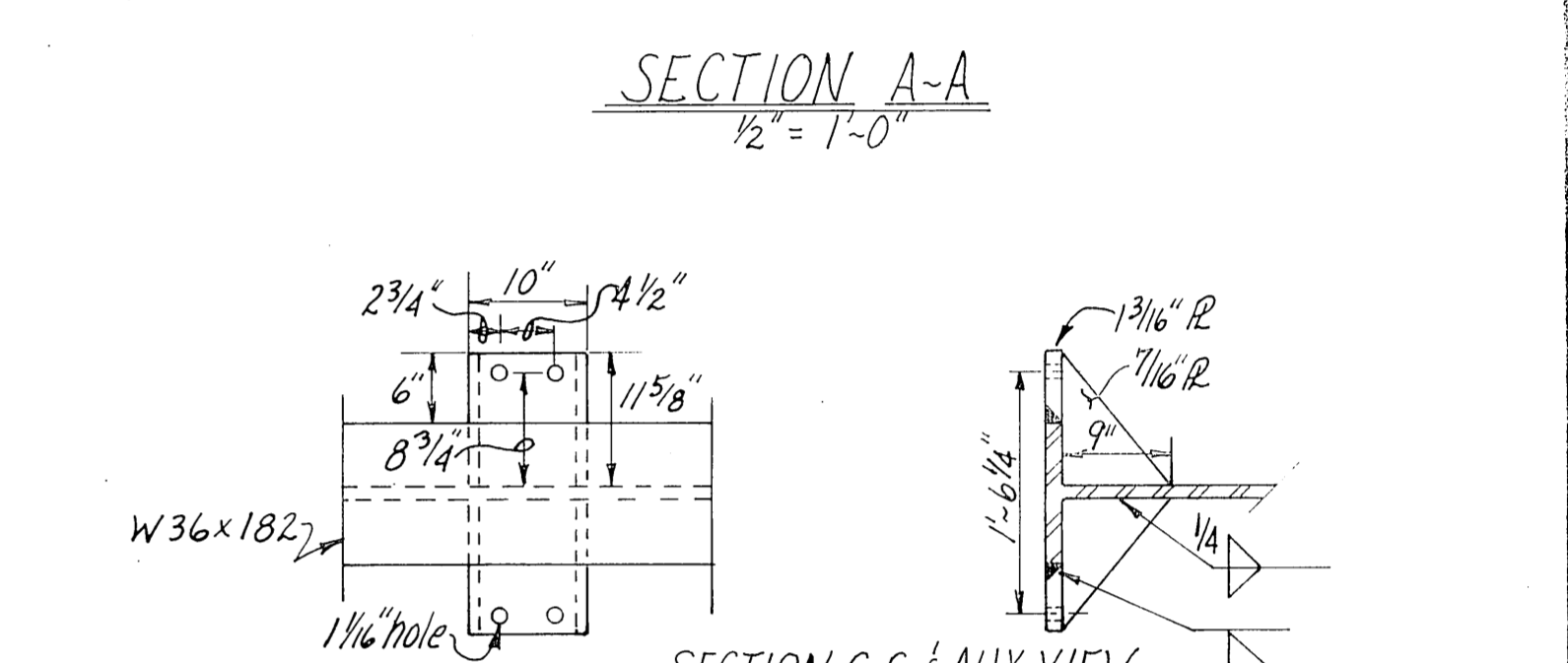
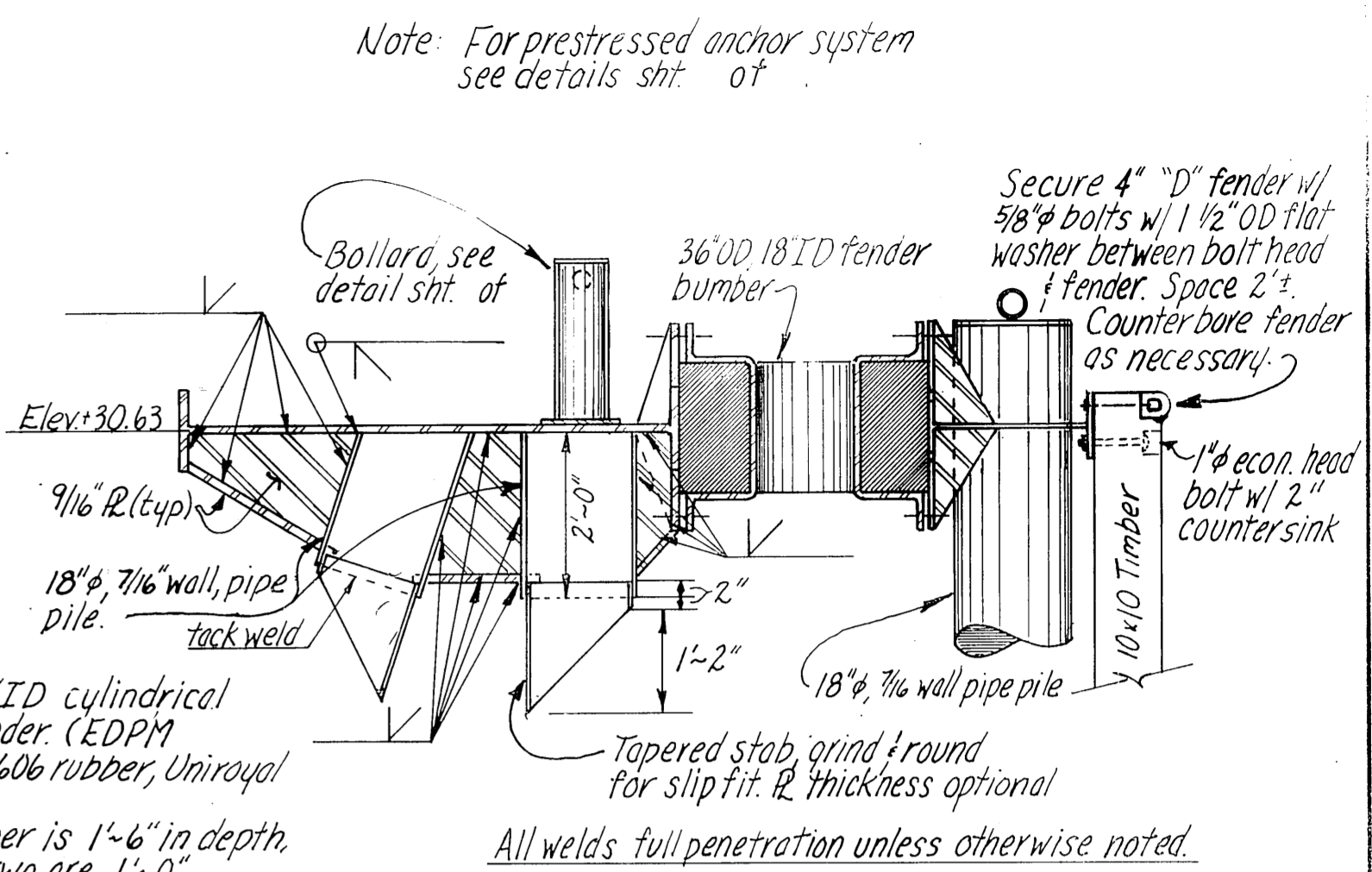
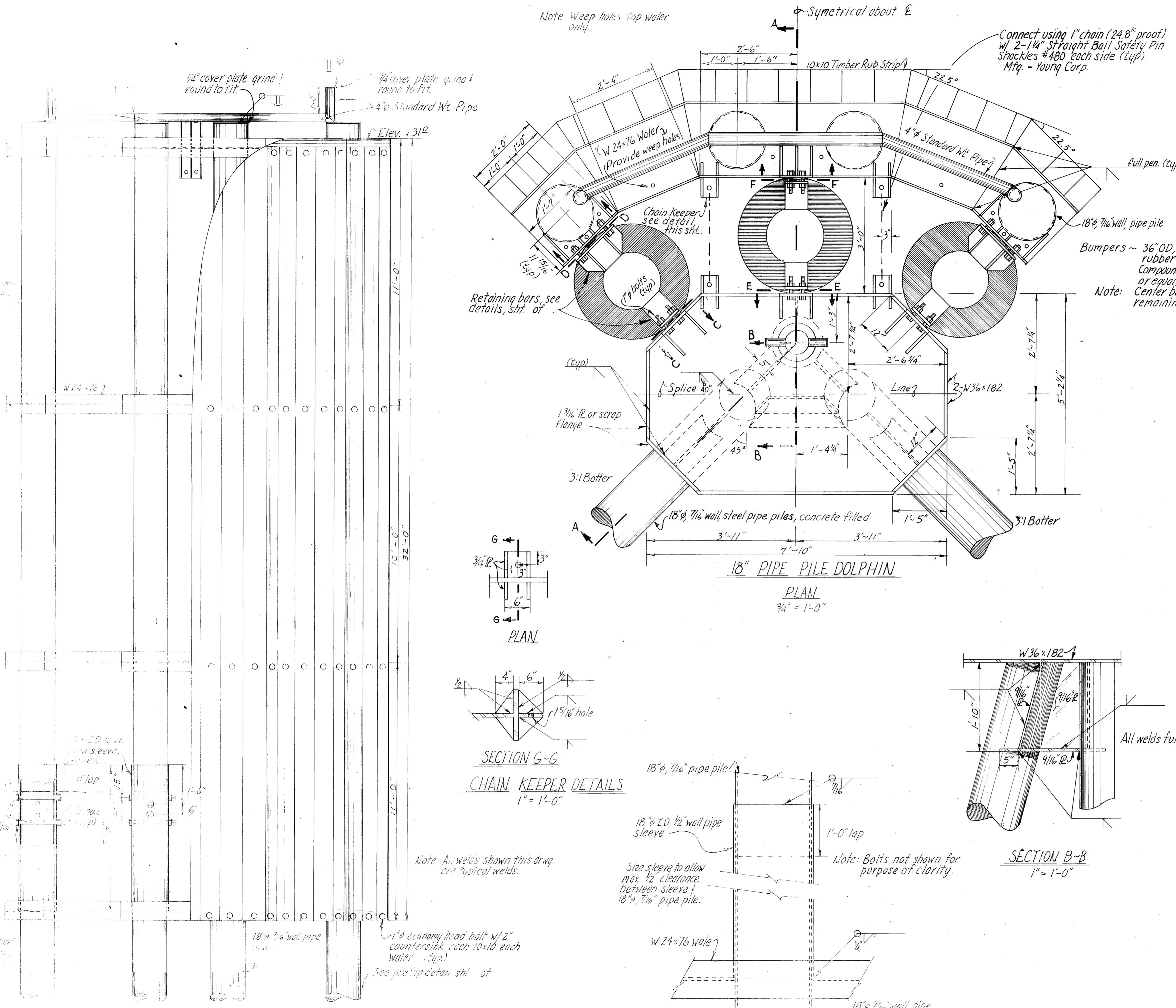
FENDER RETAINING BARS
1" = 1'-0"



WRANGELL TERMINAL LAYOUT
1" = 50.00'



DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
CONSTRUCTION LAYOUT, PILE ANCHORAGE, & MISCELLANEOUS DETAILS		
SCALE <i>As noted</i>	SURVEYED _____	APPROVED _____
DESIGNED <i>JAL</i>	DRAWN <i>JAL</i>	<i>Don Statter</i> DIRECTOR
CHECKED _____	DATE <i>3/9/77</i>	
PROJECT NUMBER _____	SHEET _____ OF _____	

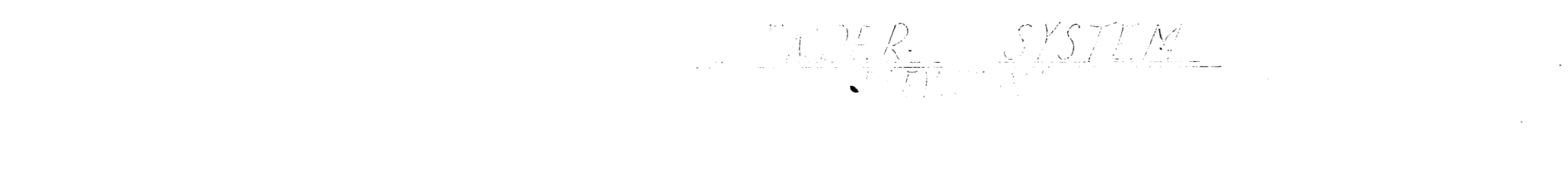
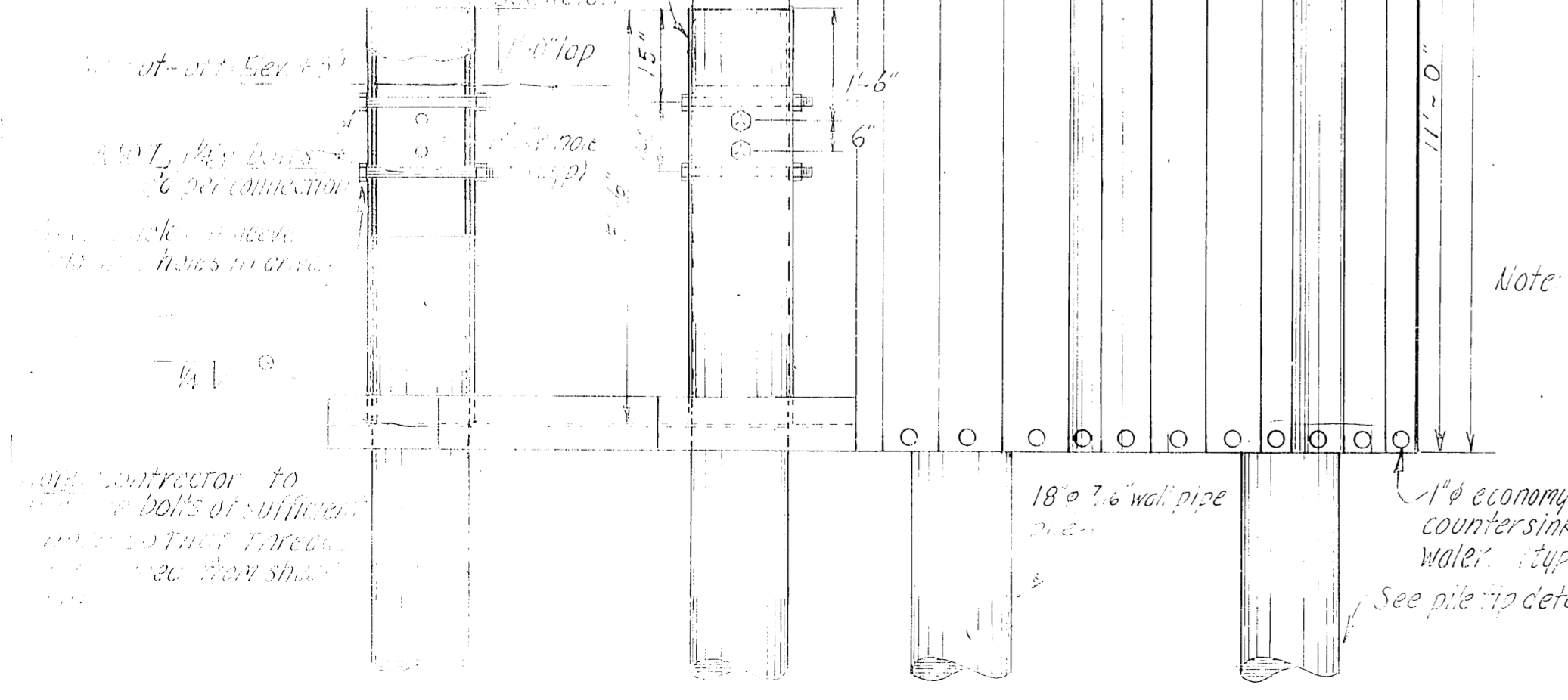


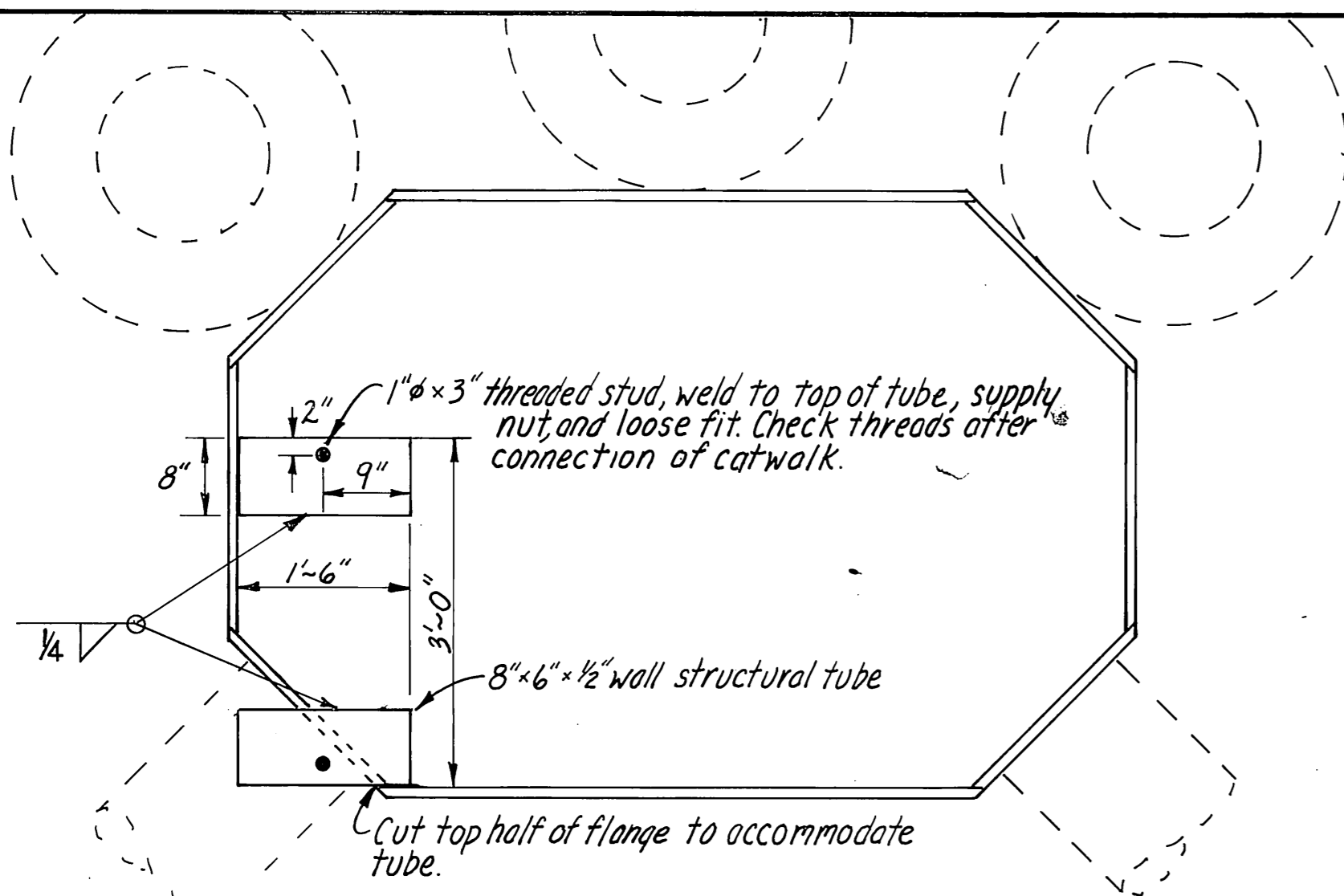
DO NOT SCALE THIS DRAWING - USE DIMENSIONS

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

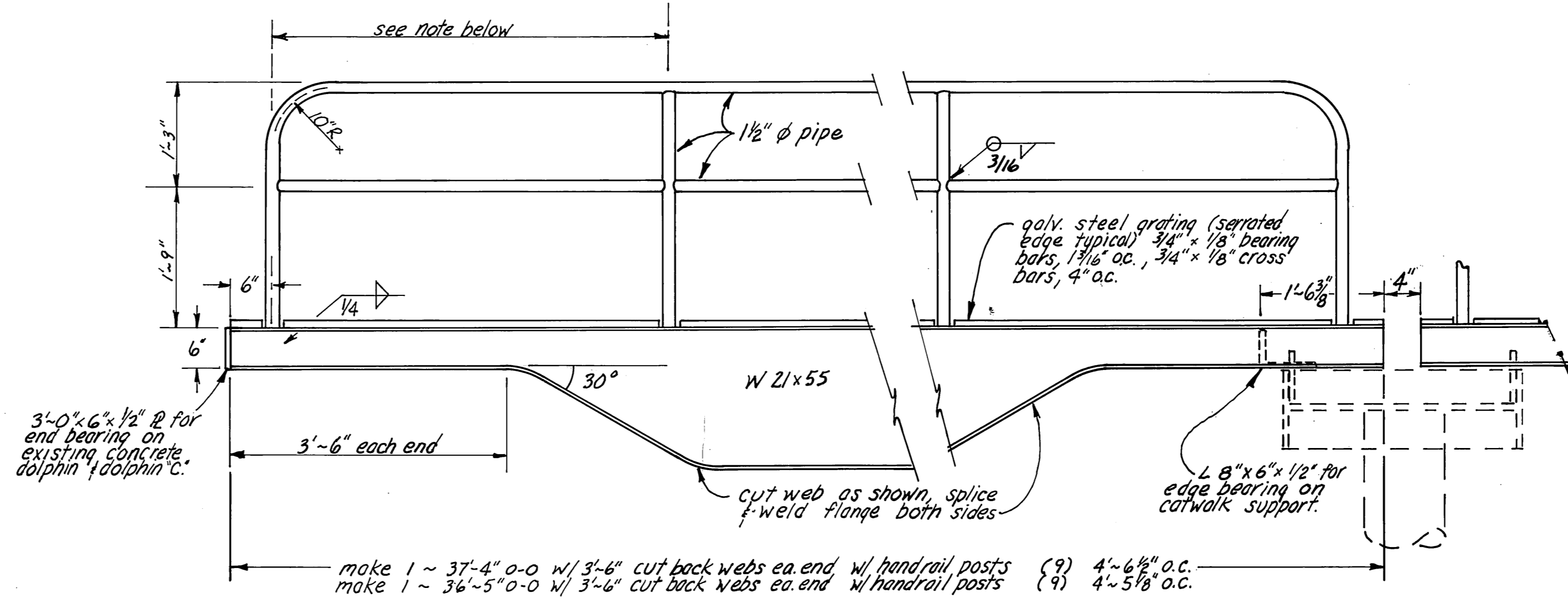
18" PIPE PILE DOLPHIN

SCALE: As noted	SURVEYED: JAL	APPROVED: Don Slatton
DESIGNED: JAL	DRAWN: JAL	
CHECKED: JAL	DATE: 3/1/77	
PROJECT NUMBER:		SHEET:

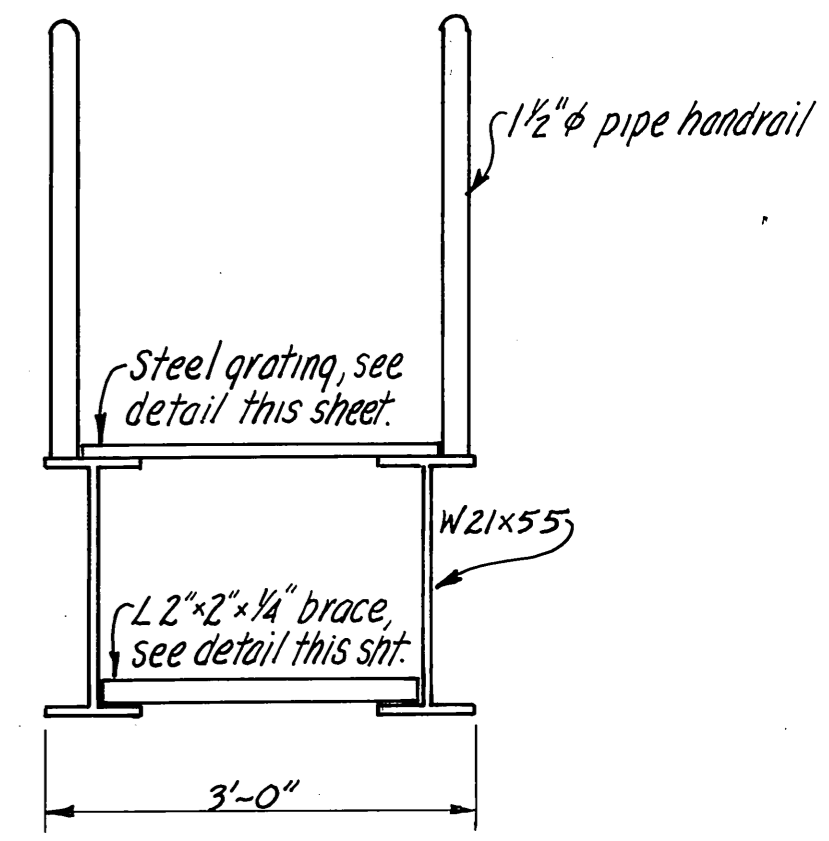




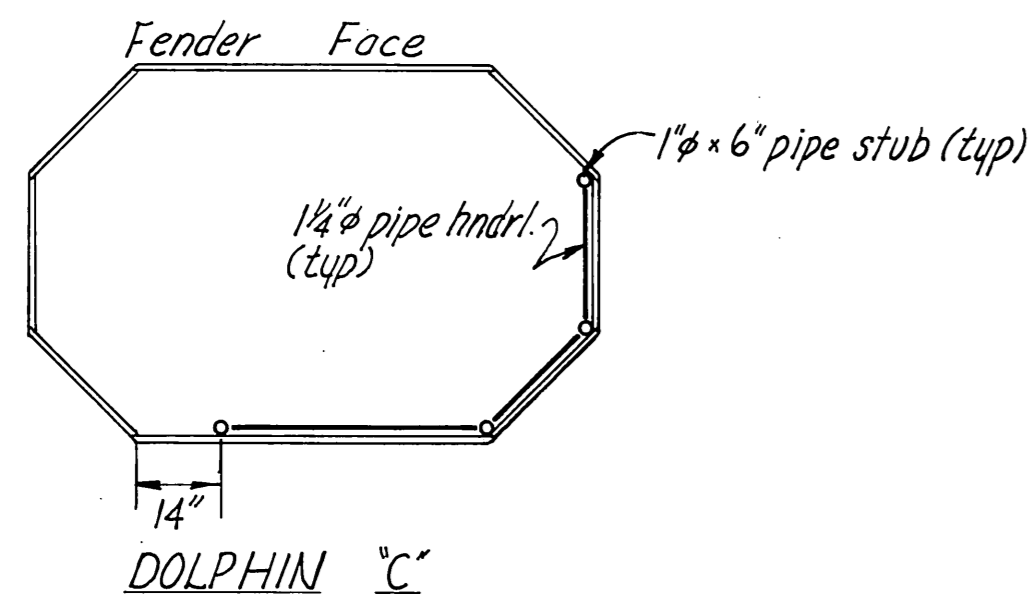
CATWALK CONNECTION ON DOLPHIN "C"
PLAN
3/4" = 1'-0"



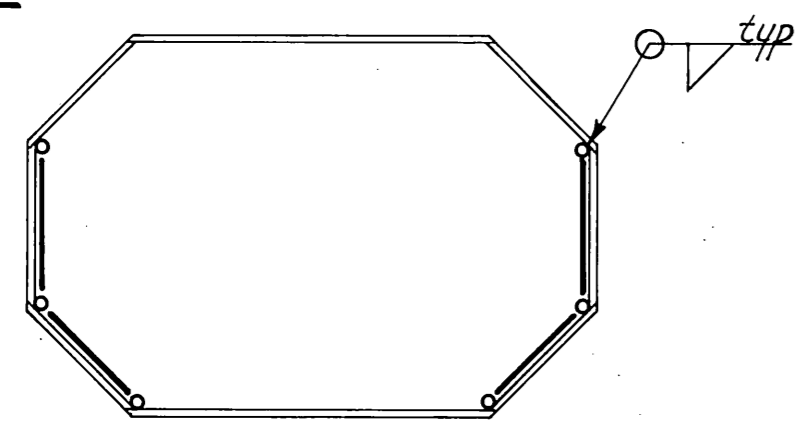
ELEVATION DETAIL ~ CATWALK
3/4" = 1'-0"



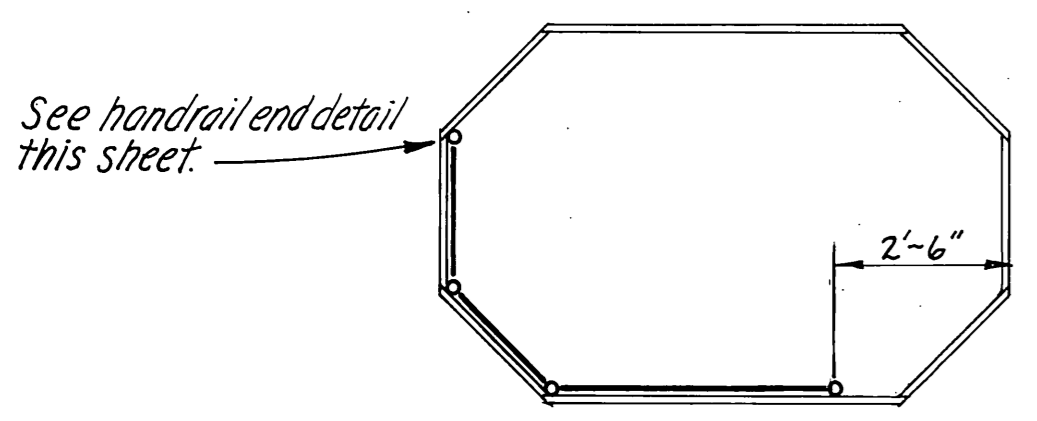
SECTION ~ CATWALK
3/4" = 1'-0"



DOLPHIN "C"

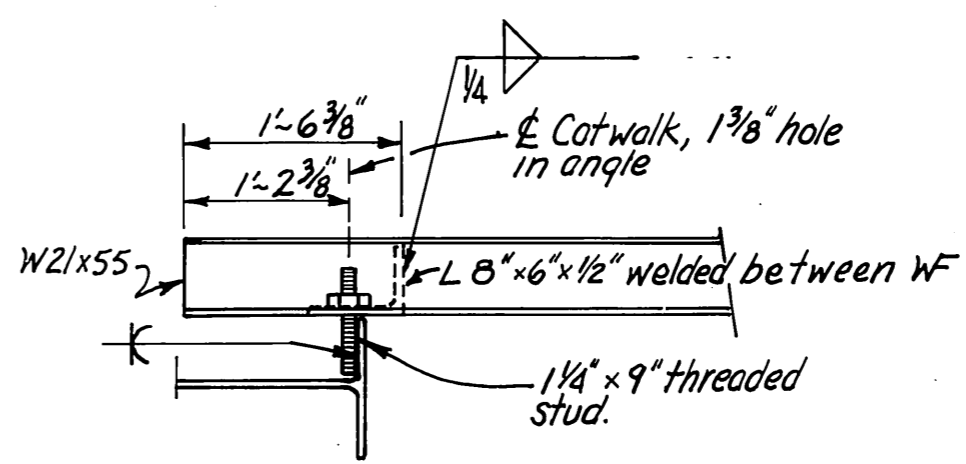
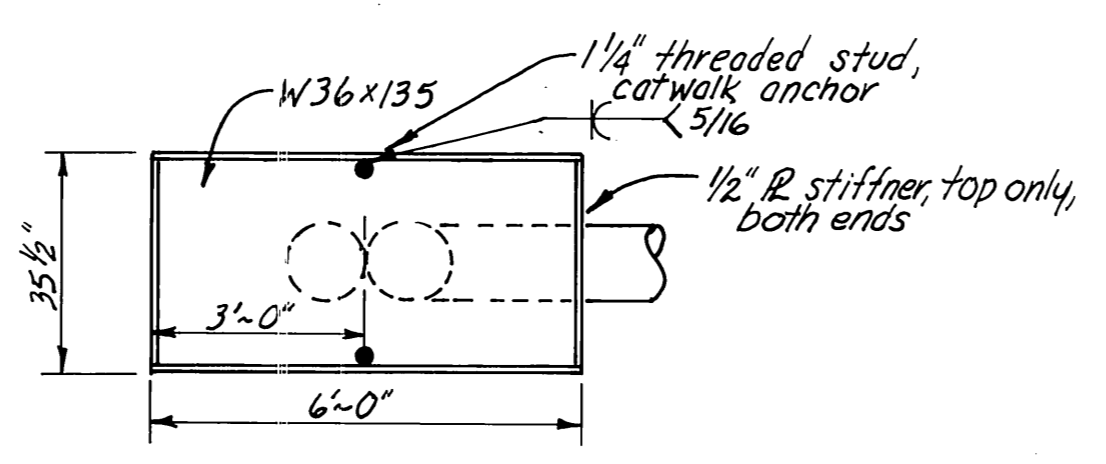


DOLPHIN "B"

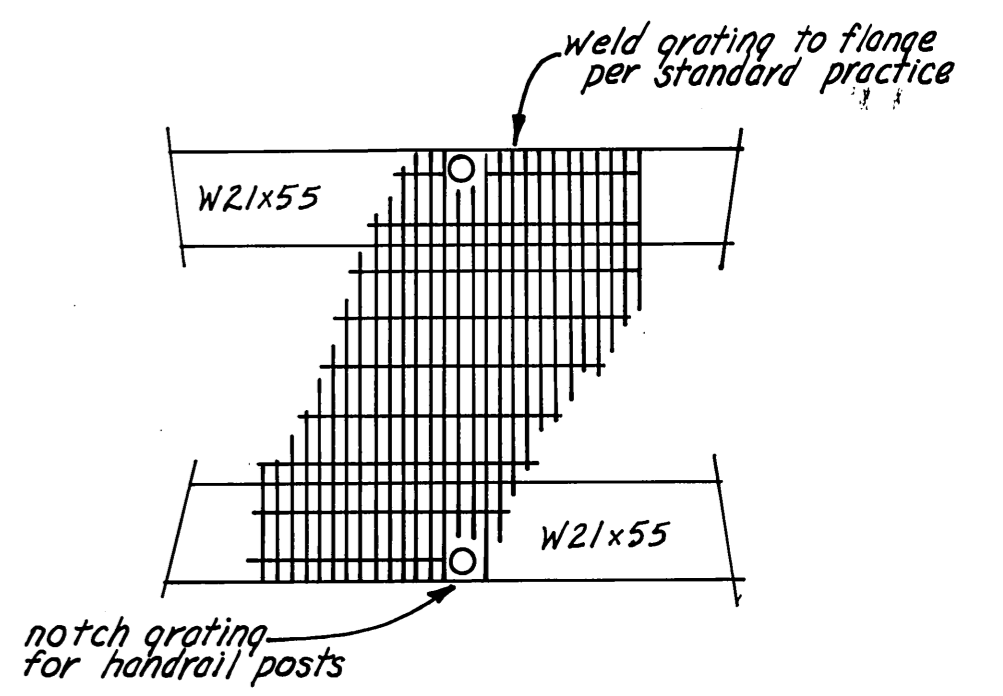


DOLPHIN "A"

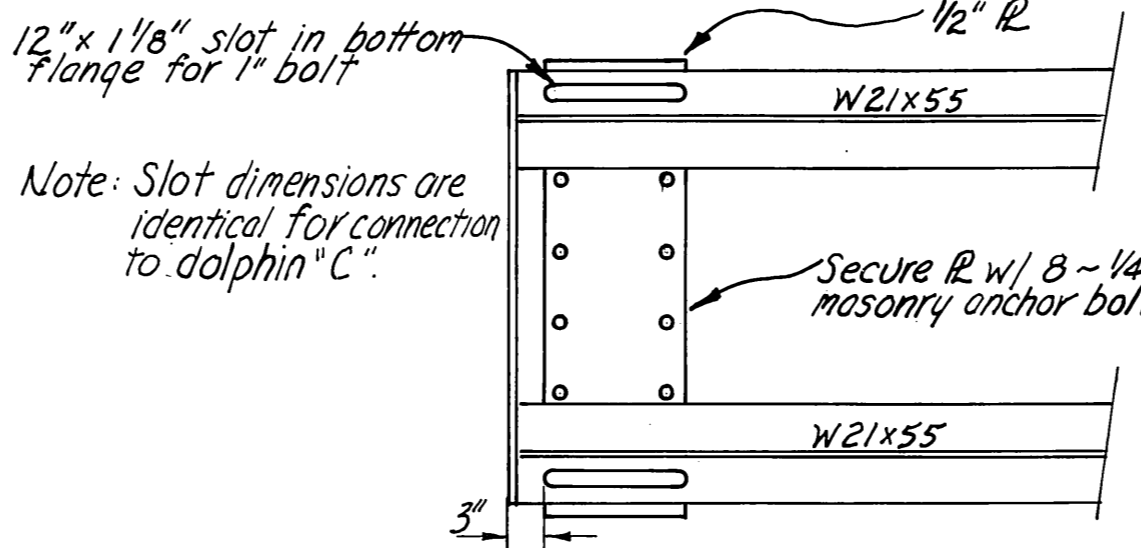
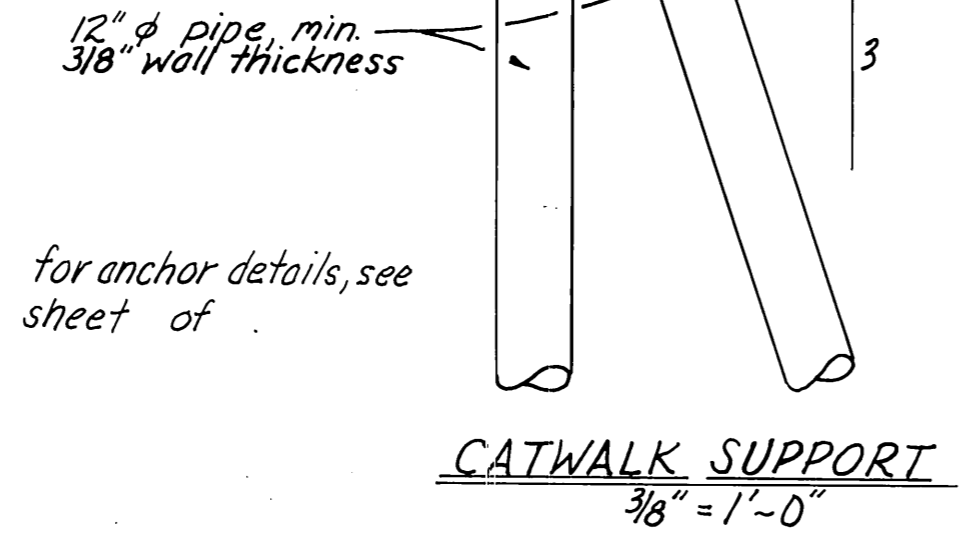
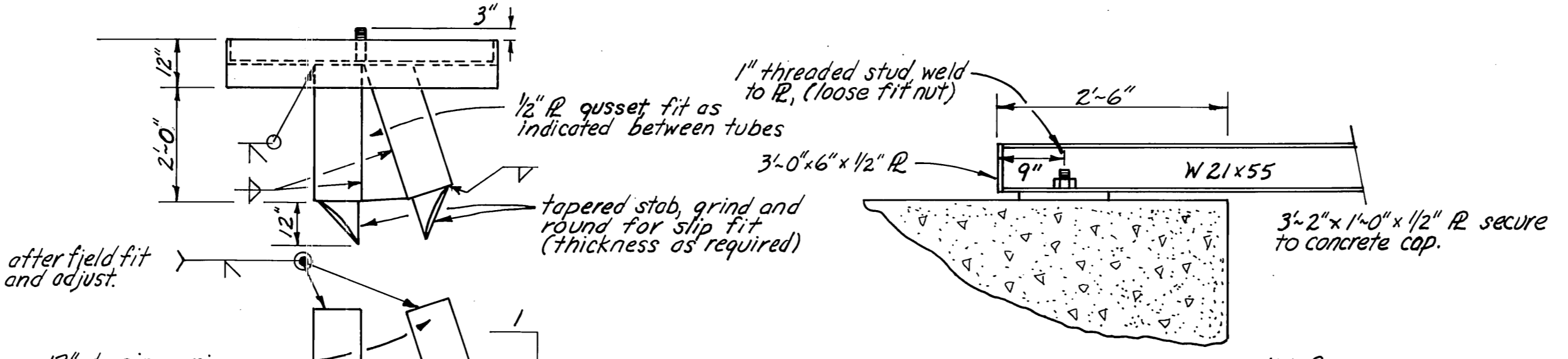
HANDRAIL LAYOUT ~ DOLPHINS
3/8" = 1'-0"



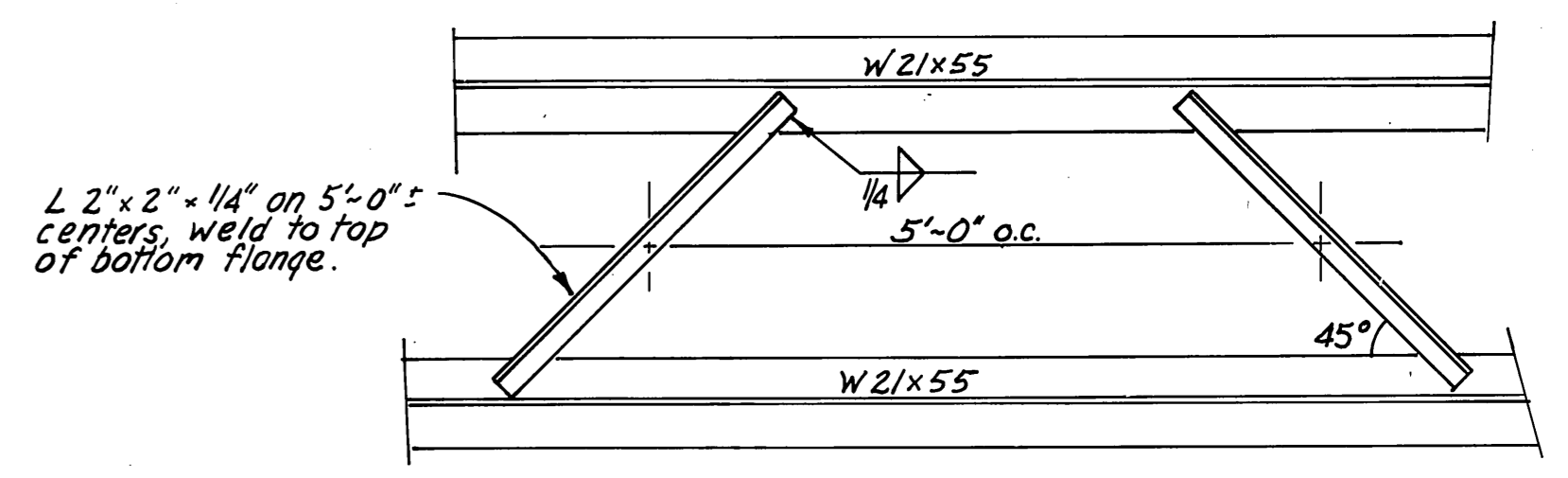
CATWALK ON SUPPORT DOLPHIN
3/4" = 1'-0"



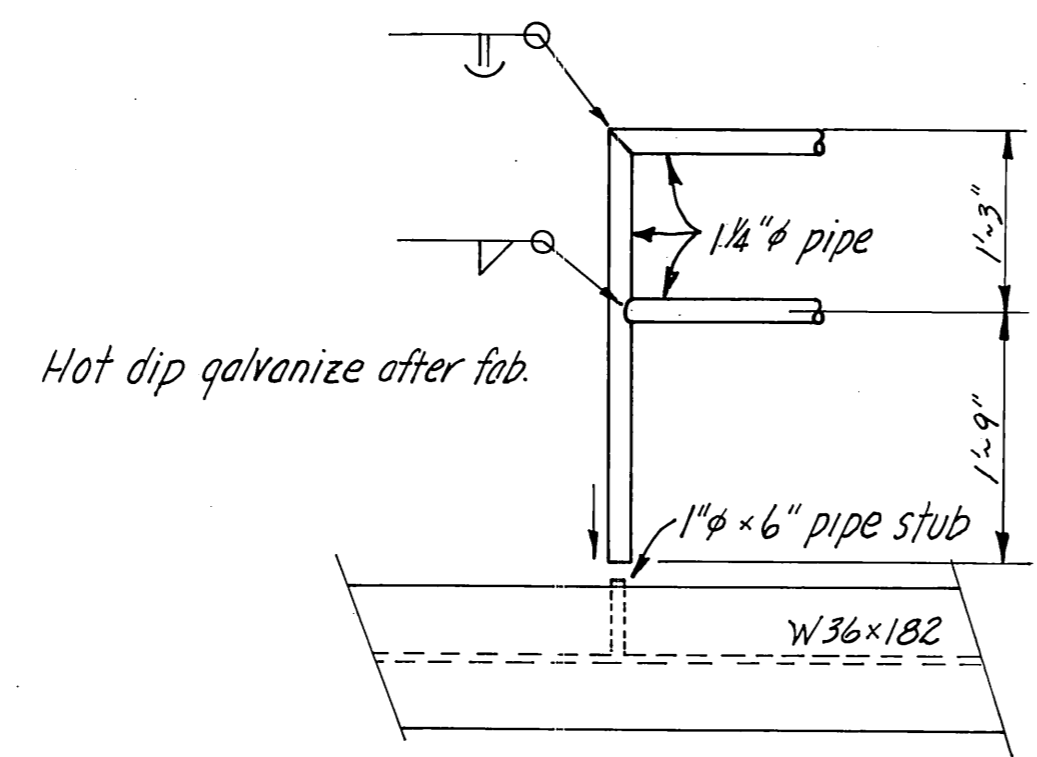
CATWALK GRATING DETAIL
3/4" = 1'-0"



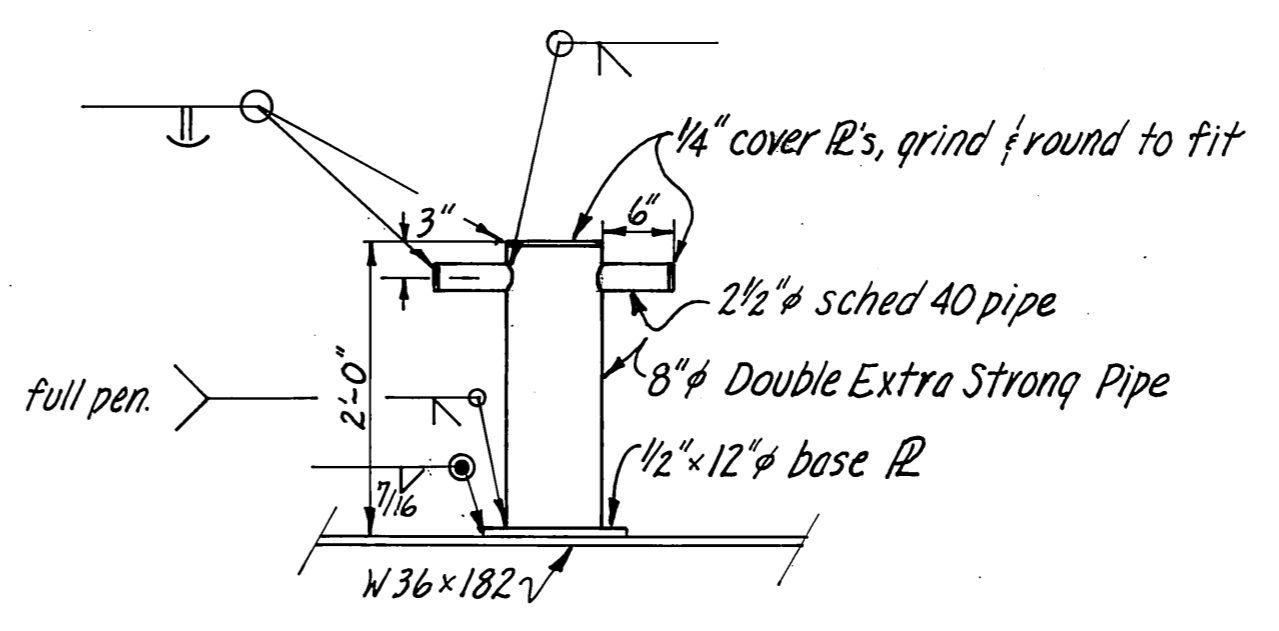
CATWALK ON CONCRETE DOLPHIN
3/4" = 1'-0"



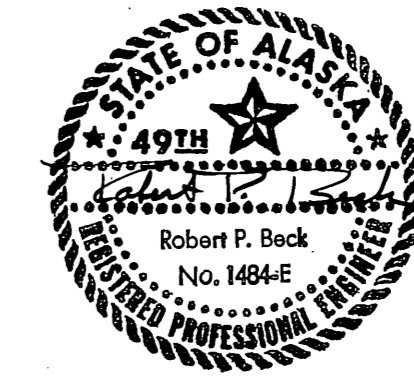
CATWALK L-BRACING DETAIL
3/4" = 1'-0"



HANDRAIL END & STUB DETAILS
3/4" = 1'-0"



BOLLARD DETAIL
3/4" = 1'-0"



DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
CATWALK, HANDRAIL & MISC. DETAILS		
SCALE: As noted	SURVEYED: JAH	APPROVED: Don Statter, DIRECTOR
DESIGNED: JAH/DN	DRAWN: JAH	
CHECKED:	DATE: 9/3/77	
PROJECT NUMBER:	SHEET _____ OF _____	

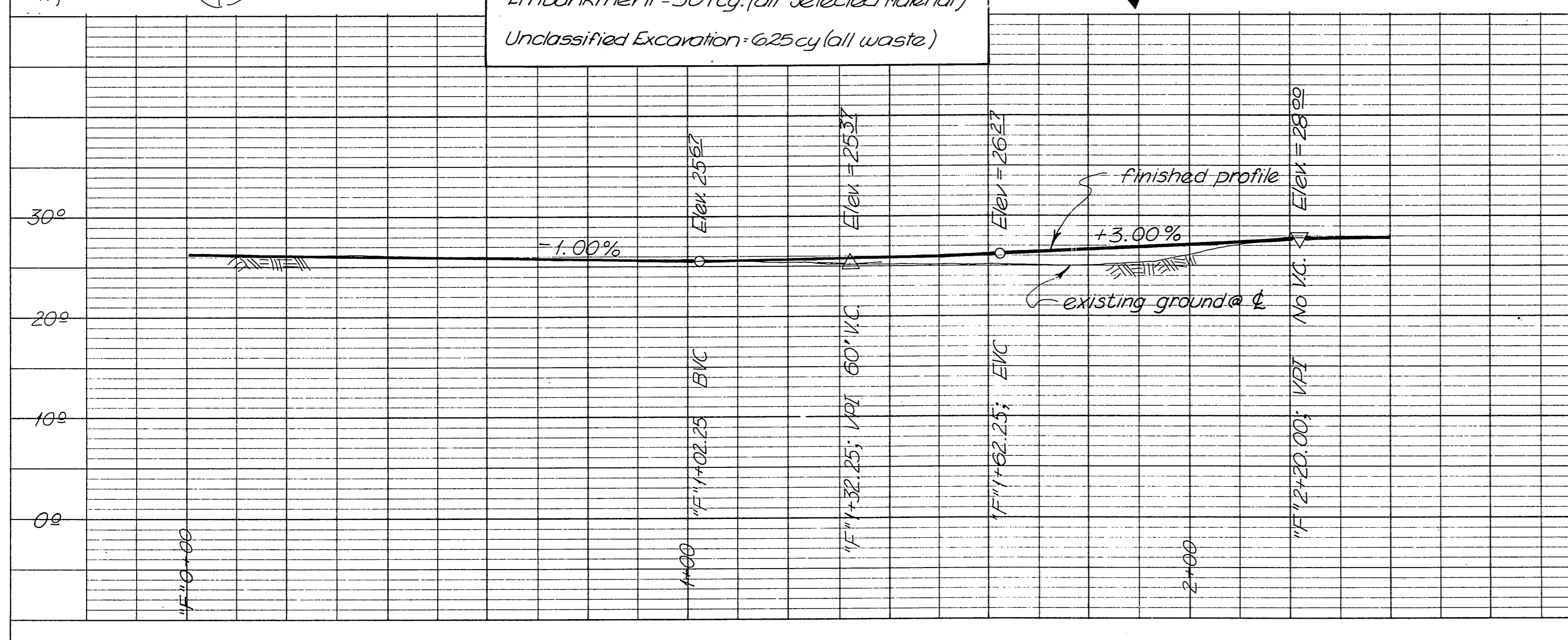
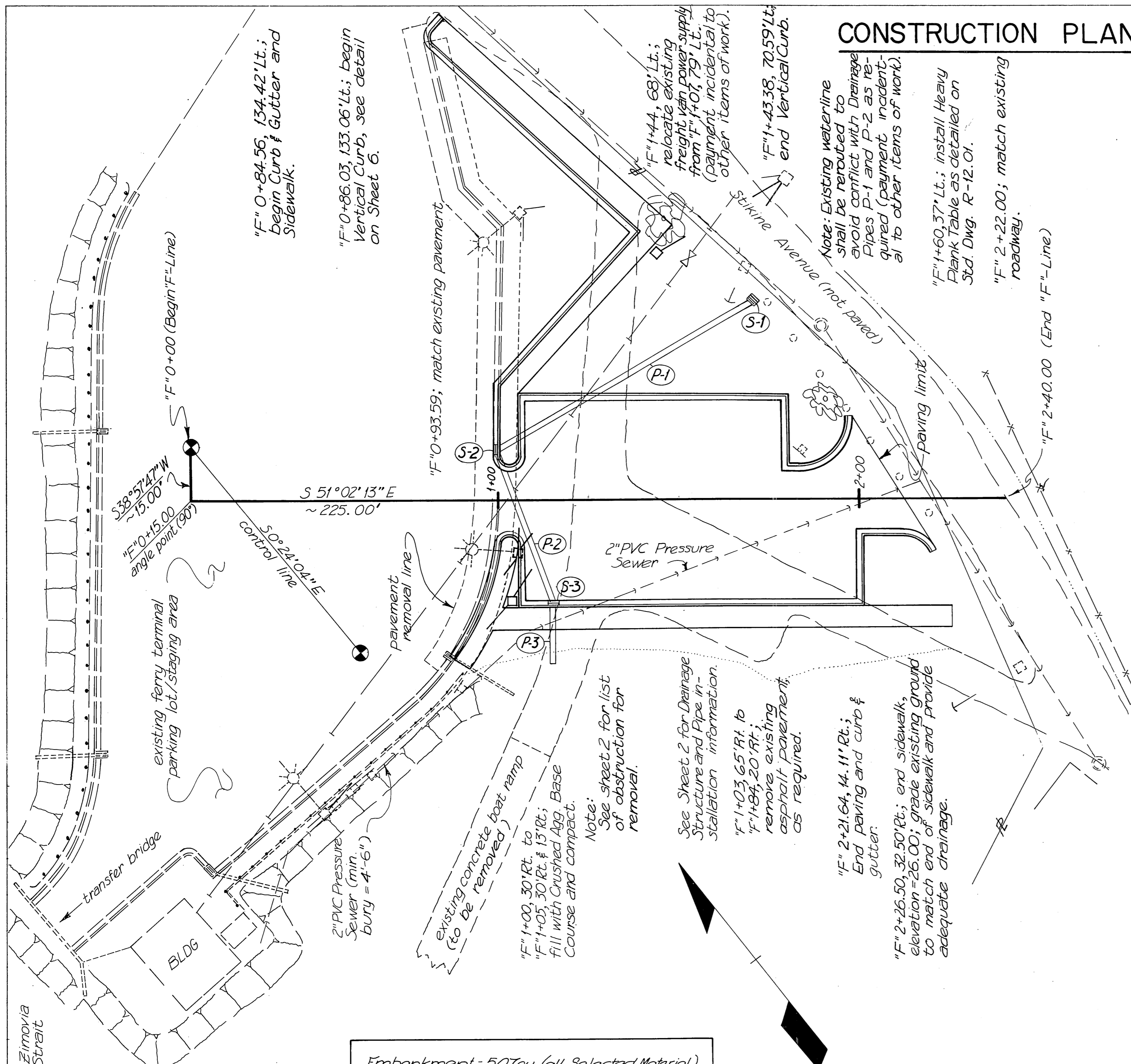
WRANGELL STAGING AREA

CONSTRUCTION PLAN

STRIPING, SIGNING AND ILLUMINATION

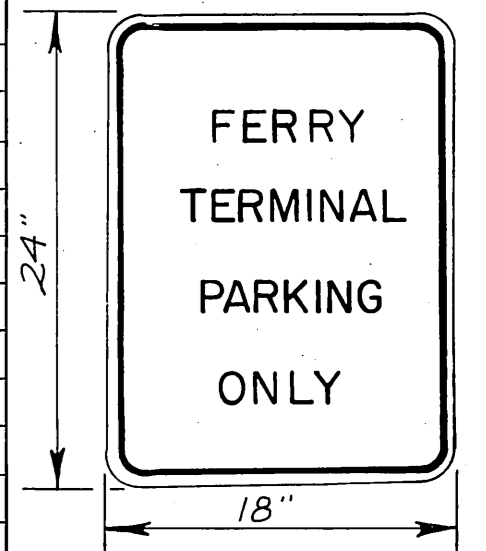
DATE: _____ BY: _____
 SURVEYED: _____
 NOTE BOOK: _____
 ALIGNMENT CHECKED: _____
 RT. OF WAY CHECKED: _____
 No. _____

DATE: _____ BY: _____
 SURVEYED: _____
 NOTE BOOK: _____
 GRADES CHECKED: _____
 B. M.'S. NOTED: _____
 STRUCTURE NOTATIONS CHECKED: _____
 No. _____



SIGNING SCHEDULE

NO.	STATION	OFFSET	CODE NO.	LEGEND	SIGN PANEL			SIGN POST			FACING	REMARKS	
					SIZE	THICKNESS	AREA (SQ)	TYPE	SIZE	LENGTH			EMBEDMENT
1	F+0+84.56	51.50' RT.	R 7-1	No Parking	12"x18"	0.063"	1.50				N	utilize existing pole	
2	F+0+86.03	30.50' LT.	R 7-1	No Parking	12"x18"	0.063"	1.50				NW	strap to luminaire pole	
3	F+0+87.00	18.50' LT.	R 7-1	No Parking	12"x18"	0.063"	1.50	tube	2"	10'	3'	N	
4	F+0+88.50	30.50' RT.	special	Ferry Terminal Parking Only	18"x24"	0.063"	3.00	tube	2"	10'	3'	NE	avoid conflict with conduit
5	F+0+87.00	30.50' LT.	special	Ferry Terminal Parking Only	18"x24"	0.063"	3.00	tube	2"	10'	3'	SW	
6	F+0+86.00	30.50' RT.	special	Ferry Terminal Parking Only	18"x24"	0.063"	3.00				NE	strap to luminaire pole	
7	F+0+93.59	12.50' RT.	R 1-1	Stop	30"x30"	0.080"	6.25	tube	2"	8'	3'	NW	share post with 10
8	F+0+93.59	18.50' LT.	R 1-1	Stop	30"x30"	0.080"	6.25	tube	2"	8'	3'	W	share post with 9
9	F+0+93.59	18.50' LT.	R 1-1	Do Not Enter	30"x30"	0.080"	6.25				E	share post with 8	
10	F+0+93.59	12.50' RT.	R 1-1	Do Not Enter	30"x30"	0.080"	6.25				SE	share post with 7	



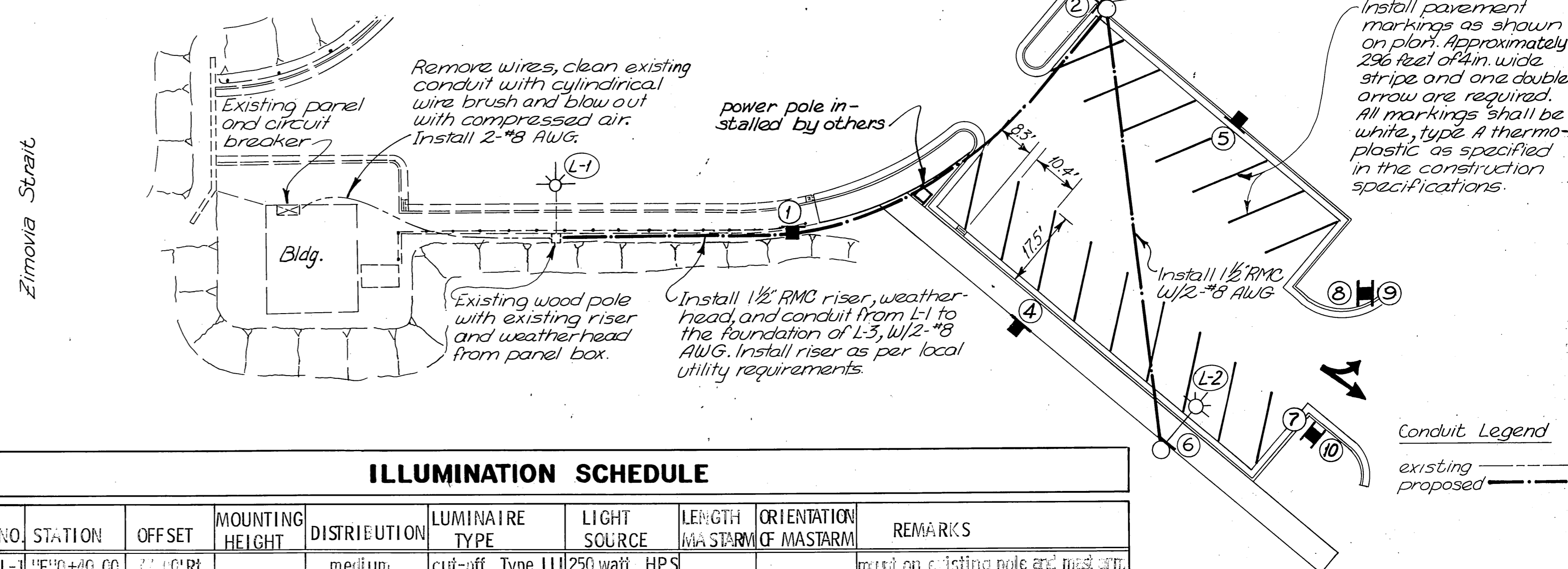
SPECIAL SIGN (Red on White)

SIGNING NOTES:

1. Sign locations are approximate and subject to minor revisions by the Engineer.
2. All sign posts shall be telescoping perforated galvanized tubes (2" with 2 1/2" sleeves); the 2" size shall be used above ground, and the 2 1/2" size shall be used below ground.
3. All sign post tube material shall be 12 gauge.

ILLUMINATION NOTES:

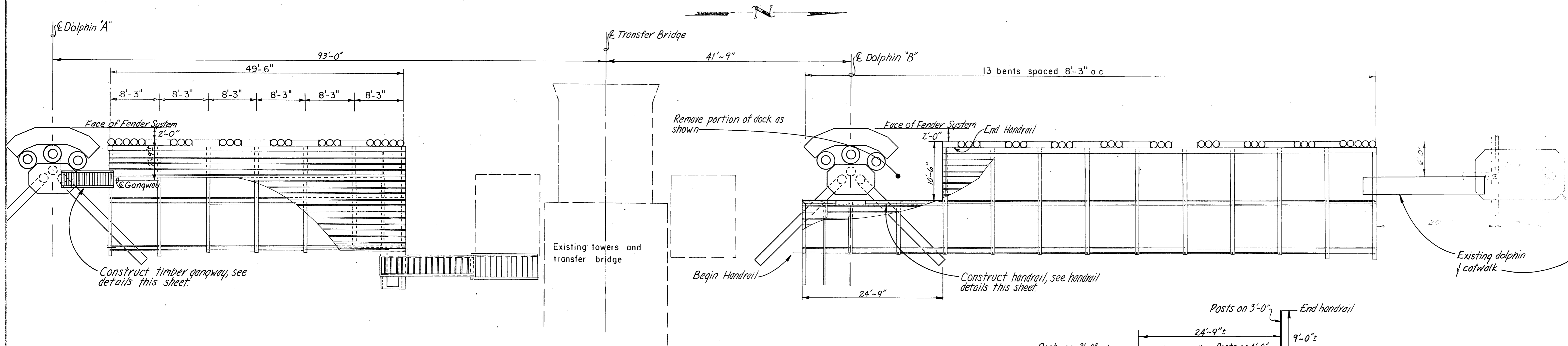
1. All luminaires shall be 240 volts and shall conform to the IES specifications shown in the Illumination Schedule.
2. Footings for luminaire shall be cast-in-drilled hole, as shown on Std. Drg. L-30.01; all luminaire poles shall have flanged bases as detailed on Std. Drg. L-03.11. (except L-3).
3. All existing luminaires and appurtenances not specifically called for re-use, shall be delivered to the DOT/PF Maintenance Yard.
4. All luminaires shall be fused at their ballast.
5. Each luminaire shall be equipped with a photo electric control.
6. All lighting circuit conductors shall be XHHW #8 A.W.G. unless otherwise noted.



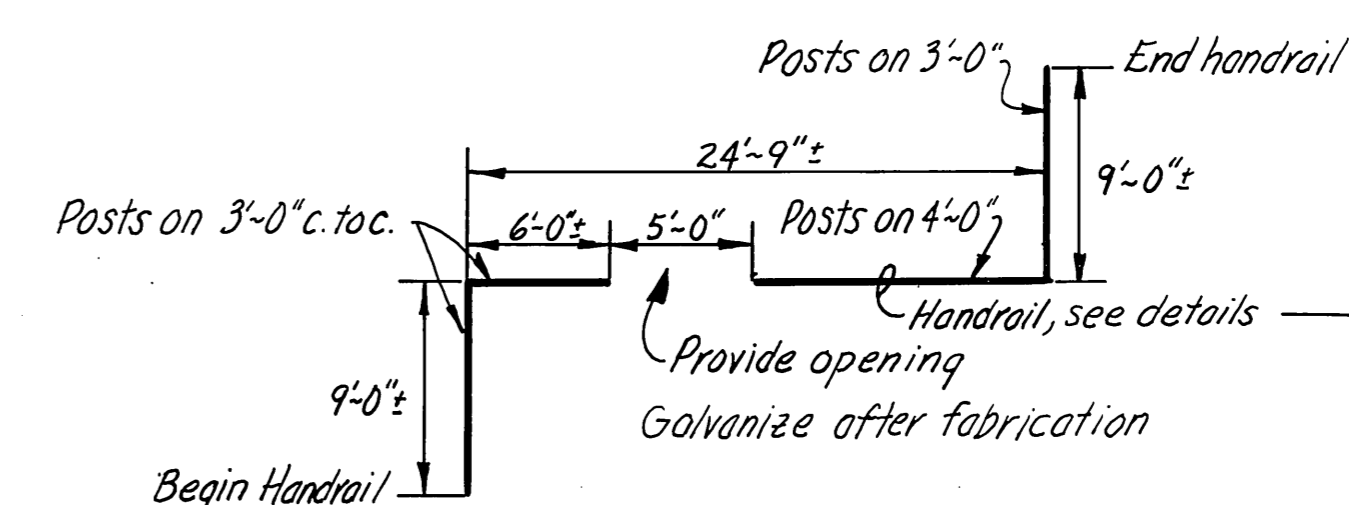
ILLUMINATION SCHEDULE

NO.	STATION	OFFSET	MOUNTING HEIGHT	DISTRIBUTION	LUMINAIRE TYPE	LIGHT SOURCE	LENGTH	ORIENTATION	REMARKS
L-1	F+0+84.56	51.50' RT.	30'	medium	cut-off, Type III	250 watt, HPS	10'	NE-SW	mount on existing pole and mark str.
L-2	F+0+86.03	30.50' LT.	30'	medium	cut-off, Type III	250 watt, HPS	10'	NW-SE	
L-3	F+0+87.00	18.50' LT.	30'	medium	cut-off, Type III	250 watt, HPS	10'	SSE-NNW	power supplied from Stikine Ave.
L-4	F+0+88.50	30.50' RT.	30'	medium	cut-off, Type III	250 watt, HPS	10'		

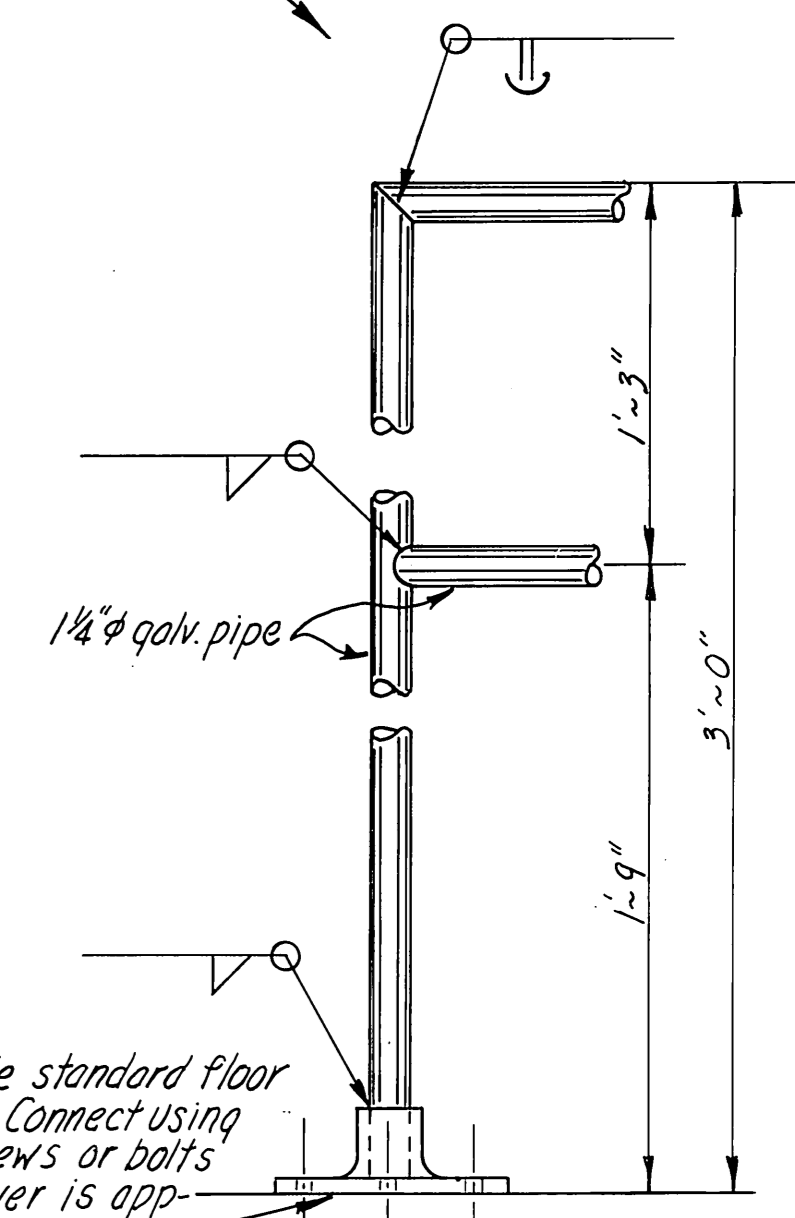
Note: The following quantities are for estimating purposes only and may vary:
 #8 AWG XHHW - 980 Ft.
 1 1/2" Rigid Metal Conduit - 270 Ft.



DOCK MODIFICATIONS
1/8" = 1'-0"



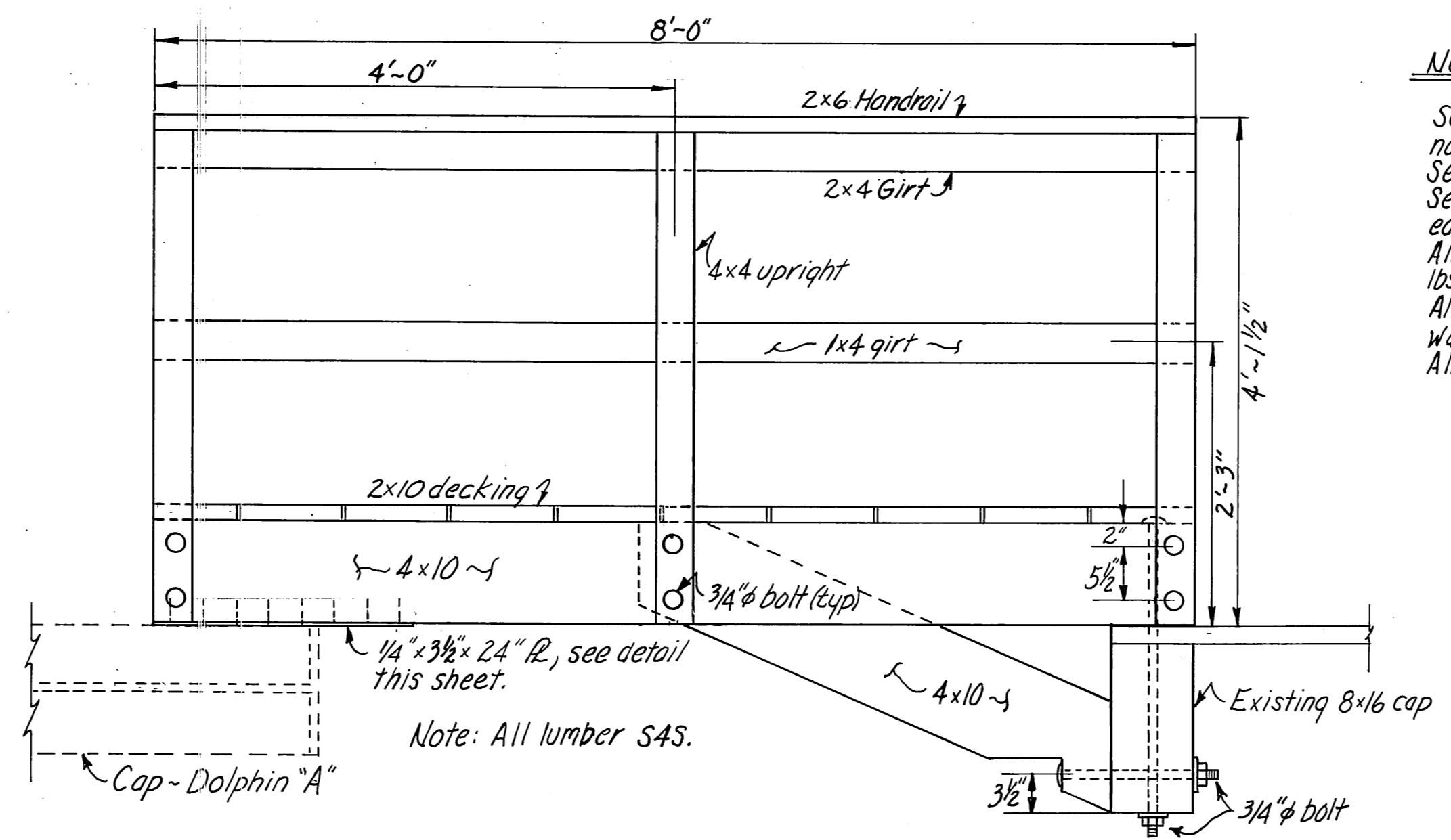
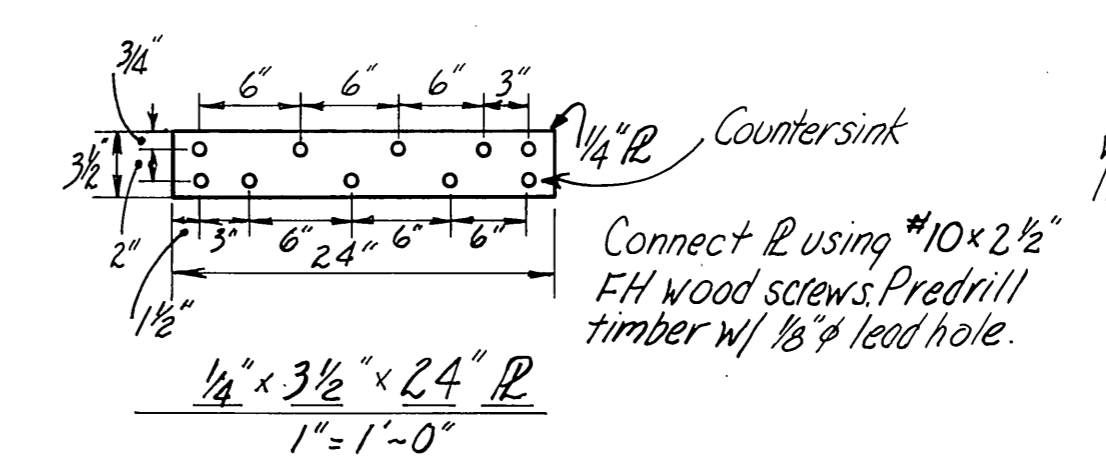
HANDRAIL LAYOUT
1/8" = 1'-0"



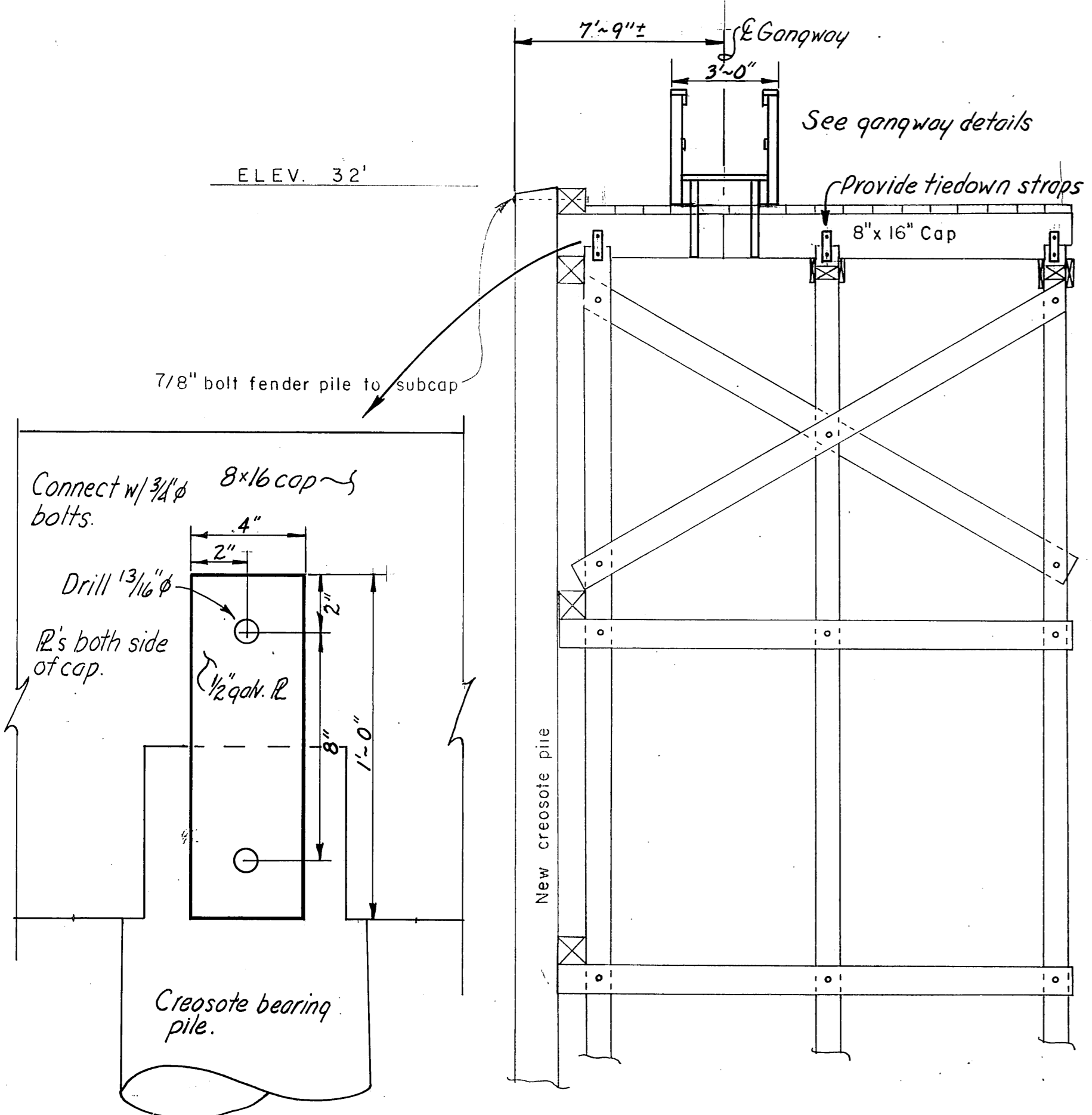
HANDRAIL DETAILS
3" = 1'-0"

Notes:

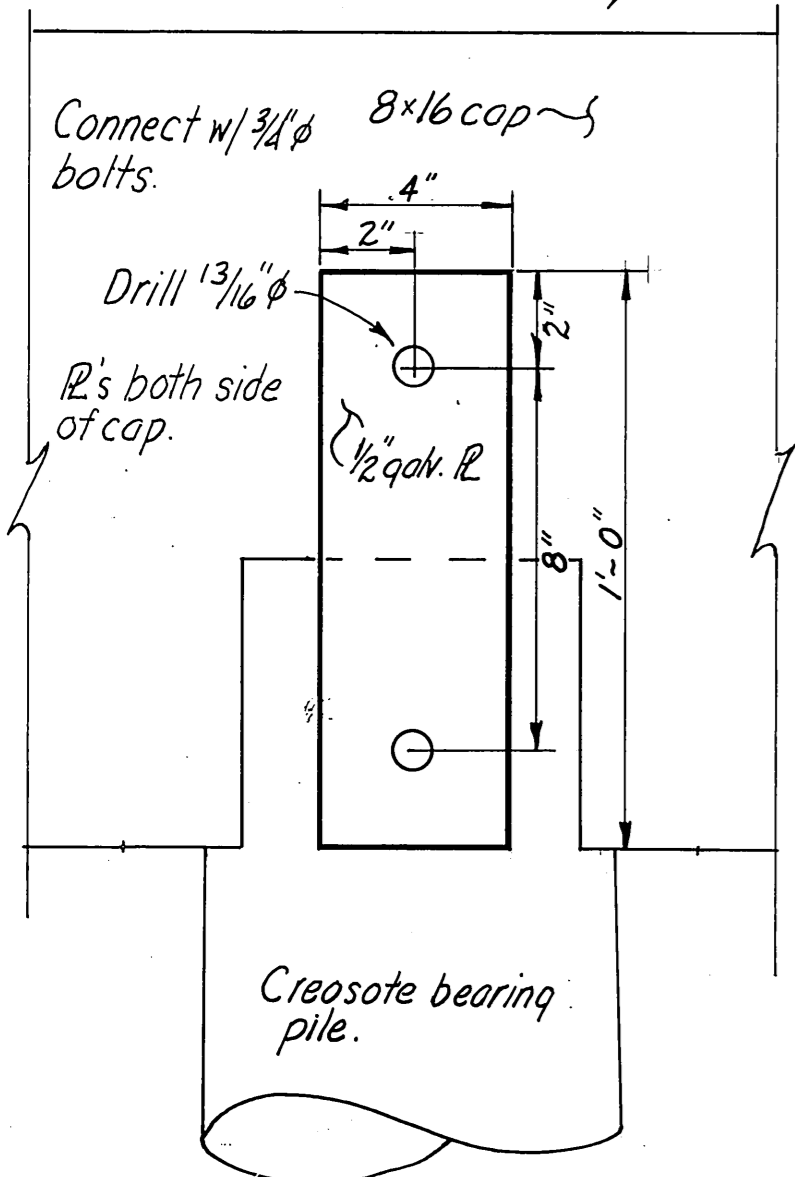
Secure 2x6 handrail & 2x4 girt using 2-20d galv box nails each contact.
Secure 1x4 girt using 2-16d galv. box nails each contact.
Secure 2x10 decking w/ 2-30d galv boxnails each plank each side.
All timber to be treated w/ pentachlorophenol to 0.60 lbs. ret. & in conformance w/ AWPB LP-33.
All bolts to be of the economy type head. A malleable washer shall be placed between all nut & wood surfaces.
All bolts & miscellaneous hardware to be galvanized



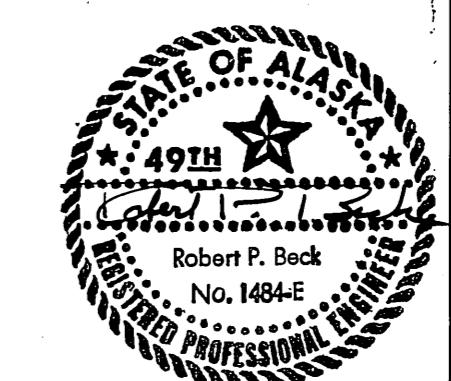
TIMBER GANGWAY DETAILS
1" = 1'-0"



TYPICAL EXISTING BENT
SCALE 1/4" = 1'-0"



TIEDOWN STRAPS
3" = 1'-0"



STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
DOCK MODIFICATION, HANDRAIL LAYOUT & MISC. CONSTR. DETAILS		
SCALE <i>As shown</i>	DATE <i>3/11/77</i>	APPROVED <i>Don Statter</i> DIRECTOR
DESIGNED BY <i>JAL</i>	DRAWN BY <i>JAL</i>	CHECKED BY _____

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	TQS-RS-0943(16)	1980	6	8

GEOMETRIC DETAIL

WRANGELL STAGING AREA

