

PHOTOMATIC PRESENTATION, NOT ALL
STRUCTURES SHOWN HERE

BULLRAIL, TYP

BOLLARD, TYP

LUMIN, TYP

BACKFLOW
PREVENTER

CRANE
(OUT-OF-SERVICE)

GATE VALVE,
CAM FITTING
& CAP

EXISTING FUEL METER

VEHICLE BRIDGE

ELECTRIC PANEL
BETWEEN BRIDGES

PROPOSED BRIDGE WITH
EXISTING HARD WATERLINE
AND FLEXLINE AT END

RUN PIPE IN BRIDGE
OUTLET IN FLOAT SURFACE
ON UNISTRUT MOUNTS

CAM FITTING TO MATCH
EXISTING FLEXLINE
(REUSE EXISTING FLEXLINE)

90 ELBOW

4-WAY

1/4-TURN BALL VALVE

1/4-TURN BALL VALVE

ANCHOR POINT

1/4-TURN BALL VALVE
(SYSTEM DRAIN)

UNISTRUT MOUNTED TO EXTERIOR
OF FLOAT @ MAX 10'-0" OC,
PIPE TO RUN ON EXTERIOR SIDE

UNISTRUT MOUNTED TO EXTERIOR
OF FLOAT @ MAX 10'-0" OC,
PIPE TO RUN ON EXTERIOR SIDE

45 ELBOW &
CAM FITTING

FLEXLINE ON DECK OF FLOAT,
INTERIOR OF BOLLARD
(~35' - FIELD VERIFY)

END OF EXISTING
FLOAT-MOUNTED BULLRAIL

CAM FITTING

90 ELBOW

ANCHOR POINT

NEW HARD LINE BELOW
VEHICLE RAMP, USE
EXISTING HANGER SYSTEM

EXISTING VEHICLE RAMP

PASS BETWEEN SHACK
AND VEHICLE RAMP

EXISTING SMALL
BUILDING

EXISTING FENDER PANEL
BACKUP STRUCTURE

HARD LINE THROUGH FENDER
PANEL BACKUP STRUCTURE

EXISTING FUEL METER

GATE VALVE,
CAM FITTING
& CAP

90 ELBOW

FLOAT-MOUNTED
PANEL FENDER
SYSTEM

WATER LINE
ELECTRICAL
FUEL RELOCATED
TO RUN UNDER
RAMP/APRON

VARIES (13' TO 14')
SEE AC-BOLTS

FLEXLINE RELOCATED
ON DECK

~35'-0"
FIELD VERIFY

UNISTRUT MOUNTED TO EXTERIOR
OF FLOAT @ MAX 10'-0" OC,
PIPE TO RUN ON EXTERIOR SIDE

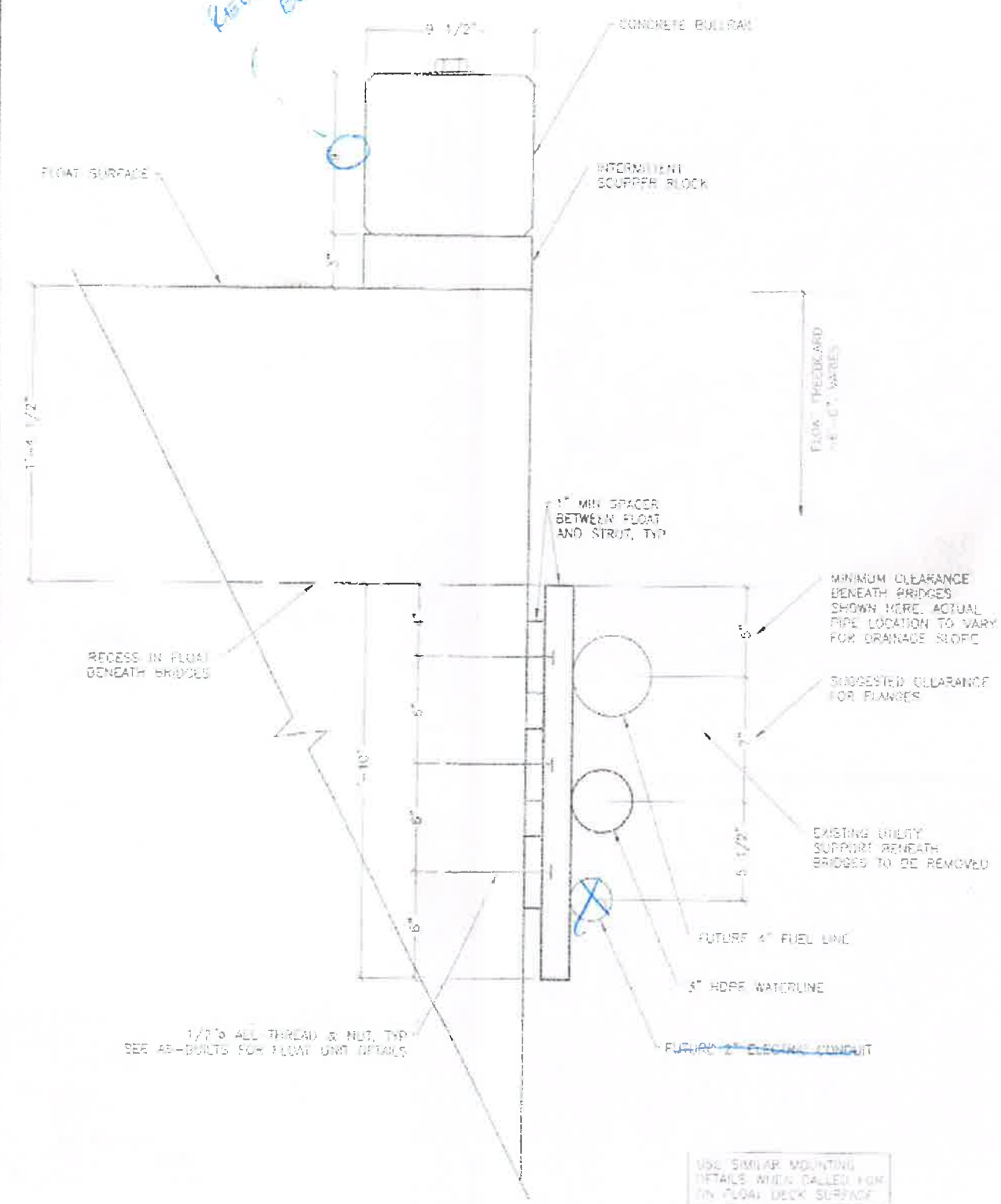
FLEXLINE AND NO
FLOAT COUNCIL
(~15' - FIELD VERIFY)

HDPE PIPE APPROX 1/2" LARGER

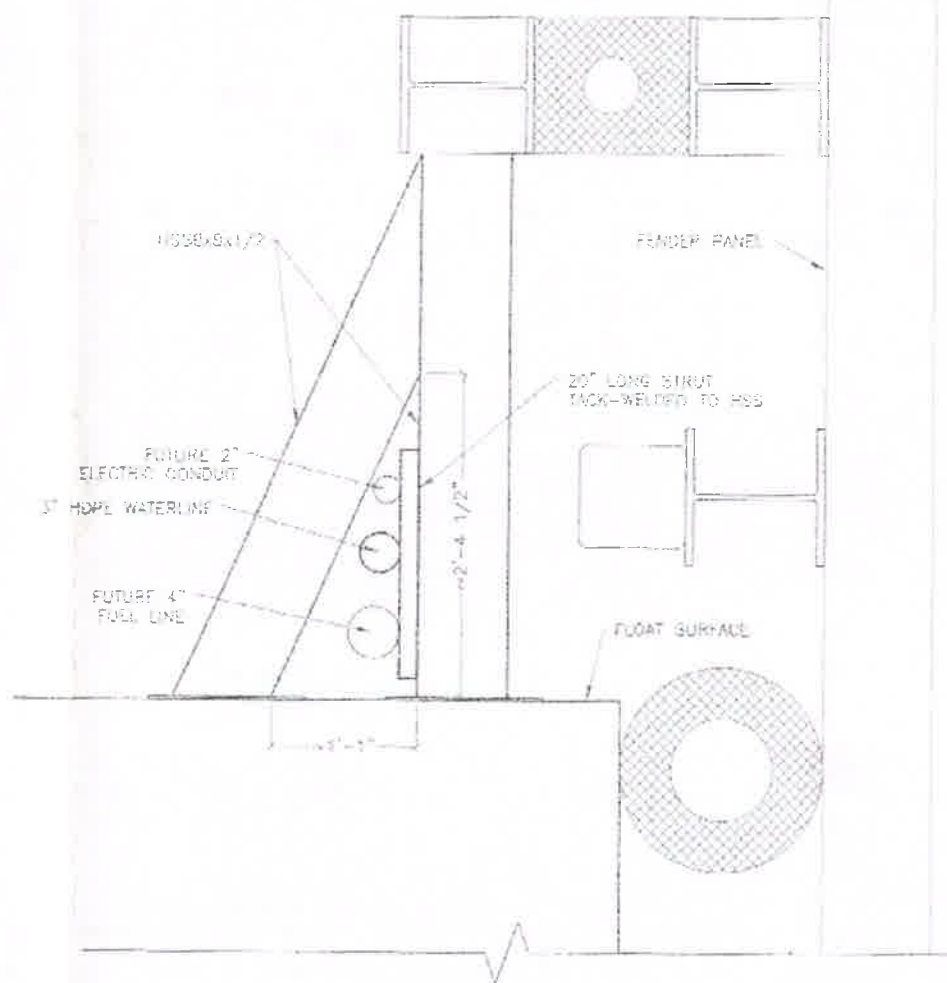
DO NOT SCALE FROM THESE DRAWINGS. USE DIMENSIONS.

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHWEST REGION	
MARINE SKAGWAY POTABLE WATERLINE & UTILITY SUPPORT	
CHECKED BY: [] DESIGN BY: [] DATE: 01/08/14 PROJECT NO: 70196	STAFF: [] DATE: 01/08/14 PROJECT NO: 70196
NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	
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Relocated Existing



**1 TYP DETAIL
2 FLOAT MOUNTING**



**2 TYP DETAIL
2 FENDER STRUCTURE MOUNTING**

NOTES:

1. CHANGES TO PROPOSED BUILDING AND SUPPORT DESIGN WILL BE ALLOWED AS APPROVED BY THE ENGINEER.
2. JOIN ALL PIPE AND FITTINGS BY BUTT FUSION W/PER MANUFACTURER'S RECOMMENDATION.
3. SECURE PIPE TO SUPPORTS PER MFR RECOMMENDATION. PRIMER/FASTEN PIPE TO SUPPORTS AT LOCATIONS DENOTED. ANCHOR POINT ON SHEET 1. PIPE SHALL BE LOOSELY FASTENED AT ALL OTHER LOCATIONS TO ALLOW FOR EXPANSION/CONTRACTION.

MEET THE FOLLOWING:

HDPE PIPE	374 HIGH DENSITY POLYETHYLENE PIPE AND FITTINGS MANUFACTURED FROM A PE 100B RESIN THAT MEETS ASTM D3350 WITH A CELL CLASSIFICATION OF 30K/100. ENSURE THE ENTIRE SYSTEM IS MADE OF SDR-11 MATERIALS WITH A RATED WORKING PRESSURE OF 150 PSI.
BUTT FUSION FITTINGS	ASTM D3261
FLG LINE	1/2\"/>

ESTIMATE OF QUANTITIES:

HDPE PIPE	240'
HDPE BUTT 45 DEG	3
HDPE BUTT 90 DEG	3
HDPE BUTT 1/4 TURN BALL VALVE	1
HDPE BUTT GATE VALVE	1
HDPE BUTT TO DAM	1
DAM CAP	1
FLEXLINE	45'
STRUT	100'
CONCRETE ANCHORS	10
PIPE TO STRUT CLAMPS	20

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DATE:		YEAR:	SHEET NO:
TOTAL SHEETS:		70196	

**MARINE
SKAGWAY
POTABLE WATERLINE &
UTILITY SUPPORT**