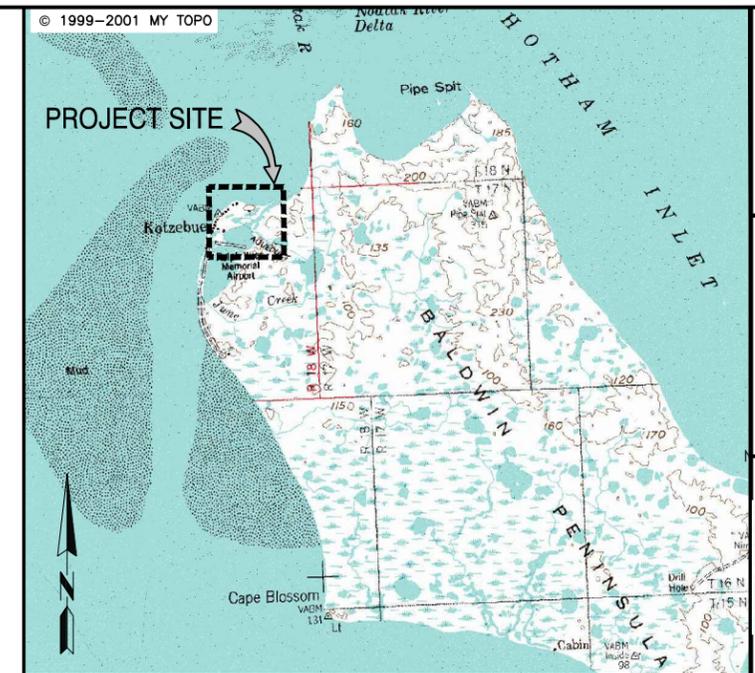


LOCATION MAP
SCALE: NOT TO SCALE



VICINITY MAP
SCALE: NOT TO SCALE

CITY OF KOTZEBUE SWAN LAKE SMALL BOAT HARBOR



**35 % DESIGN
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URS
700 G STREET, SUITE 800
ANCHORAGE, ALASKA 99501
TEL: (907) 276-0655
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NO.	BY	DATE	DESCRIPTION

CITY OF KOTZEBUE
SWAN LAKE SMALL BOAT HARBOR
KOTZEBUE, AK
PROJECT TITLE
LOCATION AND VICINITY MAPS

PROJECT NO: 26220918
DATE: 05/13/2011
DESIGNED BY:
DRAWN BY:
CHECKED BY:
SHEET: **G1.0**
PAGE: 1 OF 25

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ABBREVIATIONS				LEGEND			
∠	=	ANGLE	MHHW	=	MEAN HIGHER HIGH WATER	EXISTING	
@	=	AT	MLW	=	MEAN LOW WATER	⊙	SURVEY MONUMENT
ALUM/AL	=	ALUMINUM	MLLW	=	MEAN LOW LOWER WATER	—○—	SIGN W/ POSTS
APPROX	=	APPROXIMATE	MHW	=	MEAN HIGH WATER	⊞	ELECTRIC PEDESTAL
BC	=	BRASS CAP	MIN.	=	MINIMUM	▲	TRANSFORMER
BLK	=	BLOCKING	MNFR.	=	MANUFACTURER	●	POWER POLE
⊕	=	CENTERLINE	MPH	=	MILES PER HOUR	⊙	GUY POLE
CAP.	=	CAPACITY	MTL	=	MEAN TIDE LINE	—○—	POTABLE
CLR.	=	CLEARANCE	NOM	=	NOMINAL	⊙	LIGHT POLE
CONC	=	CONCRETE	N.I.C.	=	NOT IN CONTRACT	⊞	JUNCTION BOX
COND	=	CONDITION	NO.	=	NUMBER	⊙	FIRE HYDRANT
CONT	=	CONTINUOUS	N.T.S.	=	NOT TO SCALE	⊞	VALVE
CTRSK	=	COUNTERSINK	O.C.	=	ON CENTER	□	MANHOLE
DIA / Ø	=	DIAMETER	OPNG	=	OPENING	○	SIGN
EA.	=	EACH	PE	=	POLYETHYLENE	●	GUARD POST / BOLLARD
EG	=	EXISTING GRADE	PVC	=	POLYVINYL CHLORIDE	PROPOSED	
EL/ELEV	=	ELEVATION	PL(P)	=	PLATE	▨	NEW FLOATS
ELECT.	=	ELECTRIC	POT.	=	POTABLE	⊞	LIFE RING AND CABINET
ELL	=	ELBOW	±	=	PLUS OR MINUS	⊞	FIRE EXTINGUISHER AND CABINET
EQ	=	EQUAL	R	=	RADIUS	⊙	POLE DOCK LIGHT
EXIST	=	EXISTING	REQ'D	=	REQUIRED		
FLEX.	=	FLEXIBLE	RND	=	ROUND		
FG	=	FIBERGLASS REINF. PLASTIC	SCH.	=	SCHEDULE		
FT()	=	FEET	SDR	=	STANDARD DIMENSION RATIO		
GA	=	GALLON	SP	=	SPACES		
GALV.	=	GALVANIZED	SQ.	=	SQUARE		
GLB	=	GLULAM BEAM	SS	=	SEWER SERVICE		
HDPE	=	HIGH DENSITY POLYETHYLENE	STL	=	STEEL		
IN()	=	INCHES	TYP.	=	TYPICAL		
INT.	=	INTERIOR	UHMW	=	ULTRA HIGH MOLECULAR WEIGHT		
LBS	=	POUNDS	U.O.N	=	UNLESS OTHERWISE NOTED		
MAX.	=	MAXIMUM	W/	=	WITH		

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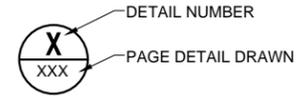


NO.	BY	DATE	DESCRIPTION

SCHEDULE OF DRAWINGS					
REF. NO	SHEET NO.	SHEET TITLE	REF. NO.	SHEET NO.	SHEET TITLE
GENERAL					
G1.0	1	PROJECT TITLE, LOCATION AND VICINITY MAPS	S4.1	14	FLOAT ANCHOR DETAILS (1 OF 3)
G1.1	2	SCHEDULE OF DRAWINGS, ABBREVIATIONS, LEGEND AND DATA DATUM	S4.2	15	FLOAT ANCHOR DETAILS (2 OF 3)
G1.2	3	GENERAL NOTES (1 OF 2)	S4.3	16	FLOAT ANCHOR DETAILS (3 OF 3)
G1.3	4	GENERAL NOTES (2 OF 2)	S5.0	17	SHEETPILE
G1.4	5	EXISTING SITE AND CONCRETE RAMP DEMOLITION	STRUCTURAL		
STRUCTURAL			C1.0	18	NEW FLOAT LAYOUT
S1.0	6	NEW FLOAT LAYOUT	C1.1	19	PROFILE BEACH AND CHANNEL
S1.1	7	TYPICAL FLOAT STRINGER LAYOUT	C1.2	20	PROFILE UPLANDS AND FLOATS (1 OF 2)
S2.0	8	TYPICAL FLOAT MODULE	C1.3	21	PROFILE UPLANDS AND FLOATS (1 OF 2)
S3.0	9	FLOAT DETAILS	C1.4	22	LEFT BLANK
S3.1	10	FLOAT CONNECTION DETAILS	C2.0	23	RAMP LAYOUT
S3.2	11	CONCRETE MATT AND RAMP	C2.1	24	RAMP PROFILE AND SECTIONS
S3.3	12	TRANSITION DETAILS	ELECTRICAL		
S4.0	13	FLOAT ANCHOR LAYOUT	E1.1	25	ELECTRICAL SITE - LIGHTING, POWER, LEGEND AND LIGHT FIXTURE SCHEDULE

TIDAL DATA - KOTZEBUE, ALASKA	
HIGHEST OBSERVED WATER LEVEL	6.10'
MEAN HIGHER HIGH WATER (MHHW)	0.88'
MEAN HIGH WATER (MHW)	0.79'
MEAN TIDE LEVEL (MTL)	0.46'
MEAN LOW WATER (MLW)	0.12'
MEAN LOWER LOW WATER (MLLW)	0.00'
LOWEST OBSERVED WATER LEVEL	-5.80'

TIDAL DATUMS AT RED DOG DOCK



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CITY OF KOTZEBUE
SWAN LAKE SMALL BOAT HARBOR
 KOTZEBUE, AK
SCHEDULE OF DRAWINGS, ABBREVIATIONS
LEGEND AND TIDAL DATA

PROJECT NO: 26220918
 DATE: 05/13/2011
 DESIGNED:
 DRAWN BY:
 CHECKED BY:
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GENERAL NOTES

SCOPE OF WORK

THE SCOPE OF WORK INCLUDES DREDGING THE HARBOR BASIN AND RECONSTRUCTING THE SIDE SLOPES AS SHOWN ON THE PLANS. IT ALSO INCLUDES CONSTRUCTING A NEW FLOATING DOCK AND ANCHOR SYSTEM, A NEW CONCRETE PLANK BOAT LAUNCH RAMP, UPLAND PARKING FACILITIES, INSTALLING LIGHTING IN THE UPLANDS, INSTALLING NAVIGATION LIGHTS ON THE SWAN LAKE BRIDGE AND OTHER ITEMS.

APPLICABLE CODES AND STANDARDS

ALL FEDERAL STATE AND LOCAL CODES AND REGULATIONS PLUS THE FOLLOWING (LATEST VERSIONS) ARE PART OF THESE PLANS AND SPECIFICATIONS.

- A. UNIFORM BUILDING CODE
- B. AWS D1.1 AND D3.6 STRUCTURAL WELDING CODE
- C. ASTM STANDARDS AND SPECIFICATIONS

POLLUTION PREVENTION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A HAZARDOUS MATERIAL AND POLLUTION CONTROL PLAN (HMPCP) AND SUBMITTING IT TO THE ENGINEER. THE PLAN SHALL INCLUDE DETAILS FOR THE PREVENTION FOR SPILLS, CONTAINMENT, CLEANUP, AND DISPOSAL OF HAZARDOUS WASTE MATERIAL. THE HMPCP SHALL CONFORM TO THE REQUIREMENTS THE TECHNICAL SPECIFICATIONS. A COPY OF THE HMPCP SHALL BE KEPT ONSITE DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE POLLUTION PREVENTION PLAN AT ALL TIMES DURING CONSTRUCTION.

DRAWING SCALES

DRAWING SCALES ARE PROVIDED ON SOME DRAWING FOR CONVENIENCE, SCALES SHOWN ARE FOR FULL SIZED DRAWINGS. REDUCED SCALED DRAWINGS SHALL BE INTERPRETED ACCORDINGLY. DIMENSIONS AND NOTES SHALL TAKE PRECEDENCE OVER SCALES.

SURVEY AND CONTROL

A PROJECT SPECIFIC SURVEY WAS NOT COMPLETED FOR THIS WORK. CONTROL AND CONTOURS ARE BASED ON THE PUBLIC RECORD SURVEY CONDUCTED BY THE CORPS OF ENGINEERS DATED 2010. A COPY OF THIS SURVEY IS INCLUDED IN THE REFERENCE MATERIAL IN THE PROJECT SPECIFICATIONS AND IS AVAILABLE FROM THE ENGINEER. HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 7, NAD 83. VERTICAL CONTROL IS BASED ON MEAN LOW LOW WATER = ELEVATION 0.0.

DREDGING AND DREDGE DISPOSAL

DREDGING AND DISPOSAL SHALL BE DONE STRICTLY WITHIN THE LIMITS SHOWN ON THE DRAWINGS AND AS OUTLINED IN THE PERMITS. THE DISPOSAL OF DREDGE MATERIAL IN UNAUTHORIZED LOCATIONS IS STRICTLY FORBIDDEN. THE CONTRACTOR SHALL PROVIDE A DREDGING PLAN FOR APPROVAL TO THE ENGINEER. THE PLAN SHALL INCLUDE MEANS METHODS EQUIPMENT AND SCHEDULE. DREDGE MATERIAL USED FOR BACKFILL IN ENGINEERED SLOPES ALONG THE EDGES OF THE HARBOR AND FOR THE UPLAND PARKING SHALL CONTAIN NO ORGANIC MATERIAL. PEAT AND OTHER ORGANIC MATERIAL SHALL BE PLACED IN SPECIFIED DISPOSAL AREAS. PROVIDE FOR SAFE TRANSPORTATION AND DISPOSAL OF DREDGE MATERIALS AWAY FROM THE PROJECT SITE.

CLASSIFIED FILL

CLASSIFIED FILL SHALL BE DEFINED AS FOLLOWS: FILL MATERIAL THAT CONTAINS NO LUMPS, FROZEN MATERIAL, ORGANIC MATTER, OR OTHER DELETERIOUS MATTER. IT SHALL HAVE A PLASTICITY INDEX NOT GREATER THAN SIX (6) AS DETERMINED BY ASTM D-424. IT MAY BE EXCAVATED NATIVE MATERIAL UNLESS SPECIFIED ON THE PLANS AND SHALL CONFORM TO THE FOLLOWING:

SIEVE	PERCENT PASSING BY WEIGHT
2"	100
3/4"	60-100
#4	30-65
#10	20-50
#70	10-30
#200	2-6

LEVELING COURSE (D-1) SHALL BE PLACED IN LAYERS NOT EXCEEDING 8-IN IN DEPTH. THE MATERIAL SHALL CONSIST OF CRUSHED STONE OR CRUSHED GRAVEL, CONSISTING OF SOUND, TOUGH, DURABLE PEBBLES, OR ROCK FRAGMENTS OF UNIFORM QUALITY. FREE FROM CLAY BALLS, ORGANIC MATTER, OR OTHER DELETERIOUS MATTERS. IT SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

SIEVE	PERCENT PASSING BY WEIGHT
1"	100
3/4"	70-100
3/8"	50-80
#4	35-65
#8	20-50
#50	8-30
#200	3-8

CLASSIFIED FILL AND LEVELING COURSE SHALL BE PLACED AND COMPACTED TO THE LINES AND GRADES INDICATED ON THE PLANS. THE MATERIALS SHALL BE PLACED AND SPREAD UNIFORMLY IN LAYERS NOT EXCEEDING 12 INCHES IN IN LOOSE THICKNESS. WATER OR AERATE TO ENSURE EACH LAYER CAN BE COMPACTED TO FORM A DENSE MASS FREE OF PUMPING. EACH LAYER SHALL BE COMPACTED TO NOT LESS THAN NINETY FIVE PERCENT OF MAXIMUM DENSITY.

GALVANIZED COATINGS

ALL STEEL MEMBERS INCLUDING FABRICATIONS AND HARDWARE SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A 123 AND ASTM A 153. ITEMS REQUIRING FABRICATION SHALL BE GALVANIZED AFTER FABRICATION.

DAMAGED AREAS OF COATING AND AREAS GROUND FREE OF COATING FOR WELDING WILL BE REPAIRED WITH SPRAY METALIZING IN ACCORDANCE WITH SECTION 09990 OF THE SPECIFICATIONS.

WELDING

WELDERS SHALL BE QUALIFIED AS SPECIFIED IN AWS FOR THE PARTICULAR PROCESS AND PROCEDURE THAT THE WELDER WILL PERFORM. PROCEDURE QUALIFICATION TEST RECORDS FOR THE MATERIAL AND PROCEDURE PERFORMED WILL BE REQUIRED IN ACCORDANCE WITH AWS D1.1 SECTION 4.1.3.

TIMBER FLOATS

TIMBER MATERIALS

GLUE LAMINATED TIMBER

DOUGLAS FIR, GRADE 24F-V8, DF/DF IN ACCORDANCE WITH AITC 117 SPECIFICATIONS AND CONFORMING TO THE LATEST STANDARD GRADING RULES FOR WEST COAST LUMBER PUBLISHED BY THE WCLIB. GLUE-LAMINATED MEMBERS SHALL BE PRODUCED IN CONFORMANCE WITH THE REQUIREMENTS OF U.S. COMMERCIAL STANDARD PS 56-73. LAMINATING ADHESIVES SHALL BE WATERPROOF. APPEARANCE OF GLUED-LAMINATED MEMBERS SHALL BE INDUSTRIAL GRADE OR BETTER. INSPECTION SHALL BE IN ACCORDANCE WITH AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, AITC 200 INSPECTION MANUAL.

SAWN TIMBER

DOUG FIR, LARCH, GRADE NO. 1 OR BETTER, NO LOOSE KNOTS IN ACCORDANCE WITH WCLIB GRADING RULES NO. 17. SURFACED S4S OR AS OTHERWISE NOTED ON THE PLANS. COMMERCIAL INSPECTION WITH CERTIFICATION IS REQUIRED. MILL CERTIFICATES NOT ACCEPTABLE. NO EXPRESS GUARANTEE ATTACHED TO CERTIFICATE IF SUBSEQUENT INSPECTION REVEALS UNACCEPTABLE MATERIAL.

TIMBER DECKING

DOUG FIR LARCH, NO. 1 OR BETTER PER WCLIB GRADING RULES. SURFACING SHALL BE S1S2E, CHAMFERED AND MILLED AS NOTED ON THE PLANS. TIMBER DECKING MATERIALS SHALL BE OF THE HIGHEST QUALITY AND FREE FROM SPLITS, WARPS, CRACKS, EXCESSIVE KNOTS AND OTHER DEFECTS. COMMERCIAL INSPECTION WITH CERTIFICATION IS REQUIRED. MILL CERTIFICATES NOT ACCEPTABLE. NO EXPRESS GUARANTEE ATTACHED TO CERTIFICATE IF SUBSEQUENT INSPECTION REVEALS UNACCEPTABLE MATERIAL.

PLYWOOD

THE PLYWOOD DIAPHRAGM PLATE SHALL BE XXX!!!-INCH THICK, GRADE C-C EXTERIOR, GROUP 1 SPECIES, APA CUSTOM PRODUCT V-611, USING VENEER GRADED FOR SEVERE MOISTURE SERVICE LAID WITH EXTERIOR-RATED ADHESIVES. PLATES SHALL BEAR THE GRADE MARK OF THE AMERICAN PLYWOOD ASSOCIATION, CERTIFYING CONFORMANCE TO U.S. PRODUCT STANDARD PS 1-83 AND MARKED "APA C-C EXT".

PLYWOOD SHALL BE SUPPLIED IN SIZES SUCH THAT ALL EDGES FALL ON FRAMING MEMBERS SUCH AS STRINGERS OR SILLS.

PLASTIC LUMBER

HIGH-DENSITY POLYETHYLENE (HDPE) LUMBER WILL BE USED FOR RUBBOARDS FLOATATION SIDE BOARDS AND LOWER SILLS. HDPE SHALL BE A PURIFIED HIGH-DENSITY HDPE MATERIAL MADE FROM 100% RECYCLED PLASTIC, IN ACCORDANCE WITH ASTM D-6662. THE MATERIAL SHALL BE OF UNIFORM COLOR, SHALL BE COLOR STABILIZED, AND SHALL BE RESISTANT TO ULTRA-VIOLET DETERIORATION, MECHANICAL ABRASION, CHEMICAL ATTACK, DETERGENTS, AND ANIMALS. THE PLASTIC LUMBER MATERIAL SHALL BE PROCURED IN 8-FOOT LENGTHS, MINIMUM. THE MATERIAL SHALL ALSO BE SUITABLE FOR LONG-TERM EXTERIOR EXPOSURE. COLOR SHALL MATCH THE FURNISHED WOOD FLOAT MATERIAL OR AS APPROVED BY THE OWNER.

TIMBER PRESERVATIVE TREATMENT

TIMBER MEMBERS SHALL BE PRESSURE TREATED WITH PRESERVATIVE AS OUTLINED BELOW. ALL TIMBERS SHALL BE CUT TO LENGTH, DRILLED AND DAPPED PRIOR TO TREATMENT. ALL PRESSURE TREATMENT PROCESSES SHALL BE PERFORMED IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES FOR THE SPECIFIED TREATMENT TYPE AS PUBLISHED BY THE WESTERN WOOD PRESERVERS INSTITUTE (WWPA), LATEST EDITION.

GLUE LAMINATED BULLRAILS

PRESSURE TREAT TIMBER LAMINATIONS WITH ACZA (AMMONIACAL COPPER ZINC ARSENATE) TO 0.6 POUNDS PER CUBIC FOOT (PCF) NET DRY SALT RETENTION IN ACCORDANCE WITH AWWA USE CATEGORY 4B COMMODITY SPECIFICATION F.

GLUE LAMINATED STRINGERS

FOR GLUE LAMINATED STRINGERS BELOW THE DECKING TREAT WITH CREOSOTE IN ACCORDANCE WITH AWWA USE CATEGORY 5A COMMODITY SPECIFICATION F, PROVIDE MINIMUM 12 PCF.

PLYWOOD

SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH AWWA U1-07 COMMODITY SPECIFICATION SECTION F, USE CATEGORY 4B AND AWPB SPECIFICATION LP22 WITH CCA OR ACZA TO 0.6 PCF.

SAWN TIMBERS INCLUDING DECKING

SHALL BE PRESSURE TREATED WITH ACZA TO NOT LESS THAN 0.6 PCF NET DRY SALT RETENTION IN ACCORDANCE WITH AWWA U1-2007 USE CATEGORY 4B (SALT SPLASH ZONE).

SAWN TIMBERS BELOW DECKING INCLUDING UPPER SILLS

PRESSURE TREAT WITH CREOSOTE PRESERVATIVE, MINIMUM NET RETENTION OF 20 PCF IN ACCORDANCE WITH AWWA U1-2007 USE CATEGORY 5A FOR (MARINE USE).

SAWN TIMBER, PLYWOOD, AND GLUE-LAMINATED TIMBER SHALL BE CUT TO LENGTH, DRILLED, DAPPED, AND CHAMFERED PRIOR TO PRESSURE TREATMENT.

TREATED TIMBER SHALL BE HANDLED CAREFULLY WITHOUT DROPPING, BREAKING OF OUTER FIBERS, OR BRUISING OR PENETRATING THE SURFACE WITH TOOLS.

FIELD/REPAIR TREATMENT

ALL NICKS, CUTS, ABRASIONS AND FIELD DRILLED HOLES AND SAW CUTS OCCURRING AFTER PRESSURE TREATMENT SHALL BE CAREFULLY TRIMMED AND THOROUGHLY SATURATED IN THE FIELD, IN ACCORDANCE WITH AWP-M4, WITH ONE OF THE FOLLOWING, AS APPLICABLE:



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NO.	BY	DATE	REVISIONS	
			DESCRIPTION	

CITY OF KOTZEBUE
SWAN LAKE SMALL BOAT HARBOR
KOTZEBUE, AK
GENERAL NOTES
(1 OF 2)

PROJECT NO:	26220918
DATE:	05/13/2011
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GENERAL NOTES

CREOSOTE

BRUSH COATED WITH TWO APPLICATIONS OF A MIXTURE OF 60 PERCENT CREOSOTE OIL AND 40 PERCENT ROOFING PITCH OR SHALL BE BRUSH-COATED WITH AT LEAST THREE APPLICATIONS OF HOT CREOSOTE OIL (BETWEEN 150 ° F AND 200 ° F) AND COVERED WITH HOT ROOFING PITCH.

AZCA

IF AZCA IS THE BASIC TREATMENT, A COPPER NAPHTHENATE SOLUTION OF NOT LESS THAN 2% COPPER METAL SHALL BE USED IN THREE APPLICATIONS IN LIEU OF THE CREOSOTE AND PITCH. ANY UNFILLED HOLES BORED AFTER TREATMENT, AFTER BEING TREATED AS OUTLINED ABOVE, SHALL BE PLUGGED WITH CREOSOTE OR COPPER NAPHTHENATE SATURATED PLUGS.

FASTENERS AND CONNECTION HARDWARE

ALL TIMBER CONNECTION BOLTS AND LAGS SHALL BE ASTM A307 GRADE C MIN. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153. ALL BOLTS IN CONTACT WITH WOOD MEMBERS SHALL HAVE ECONOMY HEADS AND/OR MALLEABLE IRON WASHERS UNLESS OTHERWISE NOTED. HINGE CONNECTION BOLTS SHALL BE ASTM A325.

ALL NAILS SHALL BE HOT DIP GALVANIZED AFTER BEING FORMED. NAILS ARE NOT TO BE PRODUCED FROM PRE-GALVANIZED WIRE.

PILOT HOLES SHALL BE PRE DRILLED AT ALL LOCATIONS WHERE EDGE OR END SPLITTING COULD OCCUR.

POLYSTYRENE FLOATATION

FLOATATION PLANKS SHALL BE CONSTRUCTED FROM CLOSED CELL EXPANDED POLYSTYRENE AS PER ASTM D-1621. THE POLYSTYRENE SHALL HAVE A MINIMUM DENSITY OF 0.9 PCF AND A MAXIMUM WATER ABSORPTION OF 4% BY VOLUME IN ACCORDANCE WITH ASTM C-272.

EACH PLANK SHALL BE CUT, DRILLED AND NOTCHED TO THE DIMENSIONS SHOWN. USE A HOT WIRE OR OTHER SUITABLE METHOD TO PRODUCE CLEAN AND PRECISE CUTS. AFTER THE PLANKS ARE CUT TO THE PRECISE SHAPE THEY SHALL BE COATED WITH A MINIMUM OF 50 MILS OF HEAVY DUTY POLYUREA OR POLYURETHANE EPOXY.

FLOAT ASSEMBLY NOTES

PRE-DRILL DECKING AS REQUIRED TO PREVENT SPLITTING. SPLIT DECKING WILL BE REJECTED. THE PLYWOOD DIAPHRAGM PANELS SHALL BE INSTALLED SO THAT ALL EDGES LAND ON FRAMING MEMBERS (FULLY BLOCKED) NAIL AT ALL ENDS, EDGES, AND ALL FRAMING MEMBERS IN THE FIELD OF THE SHEET PER THE NAIL SCHEDULE. FLOAT FABRICATION SEQUENCE SHALL INCLUDE PROVISIONS TO FULLY NAIL PLYWOOD TO STRINGERS AND SILLS.

CONCRETE

SUBMIT A CONCRETE MIX DESIGN TO THE ENGINEER FOR APPROVAL. THE CONCRETE MIX SHALL INCLUDE THE FOLLOWING MINIMUM PROVISIONS:

1. MINIMUM 28 DAY COMPRESSIVE STRENGTH 5,000 PSI
2. MAXIMUM AGGREGATE SIZE ¾ INCH
3. MINIMUM AIR ENTRAINMENT 6%
4. MAXIMUM WATER TO CEMENT RATIO 0.4

HANDLE ALL PREFABRICATED CONCRETE ITEMS WITH CARE. LIFT AND PLACE USING SPREADER BARS, MULTIPLE SLINGS AND OTHER MEANS TO ENSURE THAT THERE IS NO DAMAGE. STORE AND STACK ON DUNAGE WITH PROPER SUPPORT.

ALL STEEL REINFORCING, STEEL LINKAGE AND STEEL LIFTING MEMBERS CAST INTO THE CONCRETE SHALL BE HOT DIP GALVANIZED.

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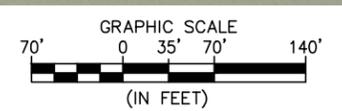
REVISIONS		DESCRIPTION
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CITY OF KOTZEBUE
SWAN LAKE SMALL BOAT HARBOR
KOTZEBUE, AK
GENERAL NOTES
(2 OF 2)

PROJECT No:	26220918
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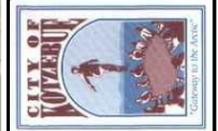
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NO.	BY	DATE	DESCRIPTION

CITY OF KOTZEBUE
SWAN LAKE SMALL BOAT HARBOR
KOTZEBUE, AK
**EXISTING SITE AND
CONCRETE RAMP DEMOLITION**

PROJECT NO:	26220918
DATE:	05/13/2011
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