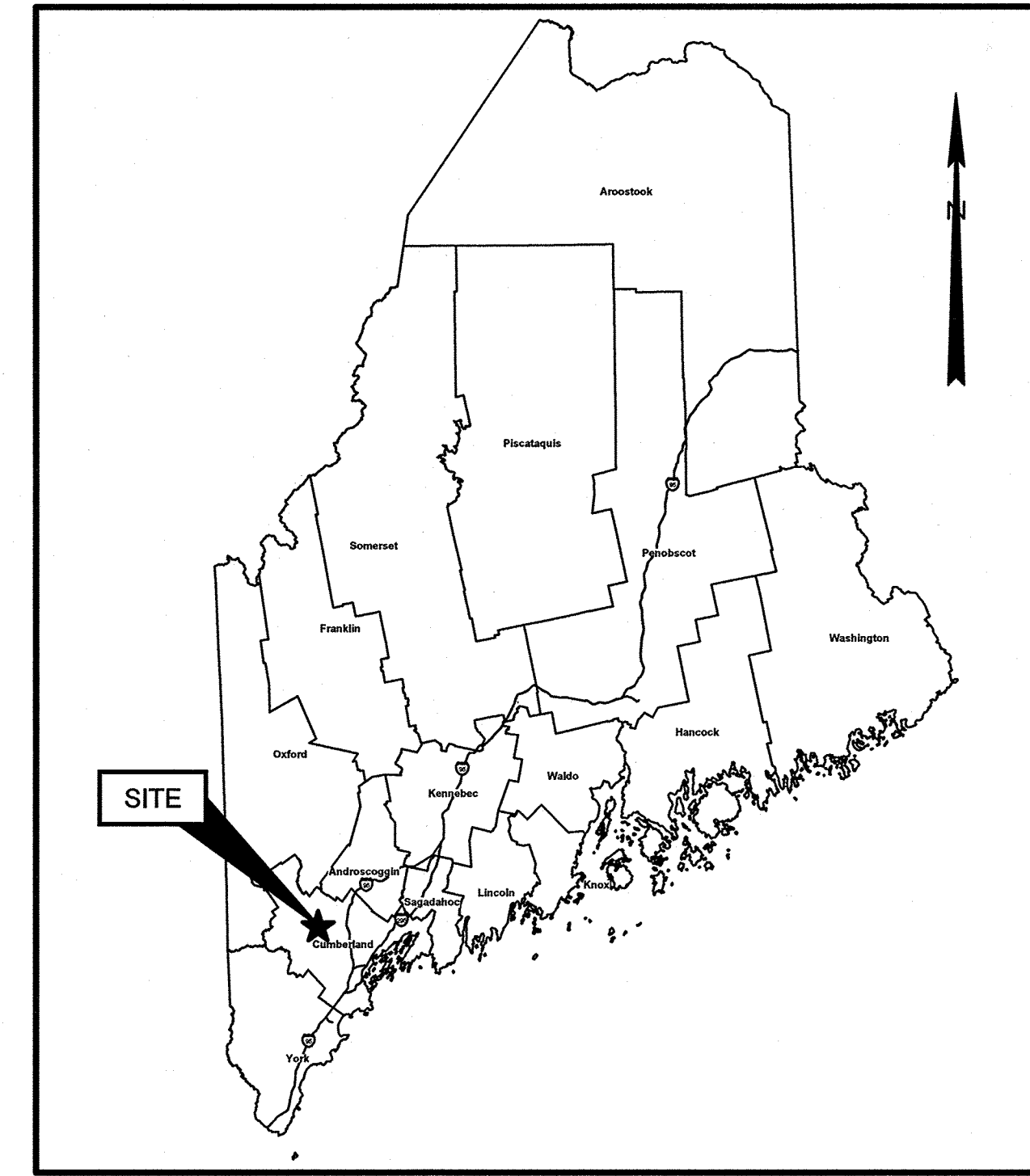


# STATE OF MAINE DEPARTMENT OF TRANSPORTATION

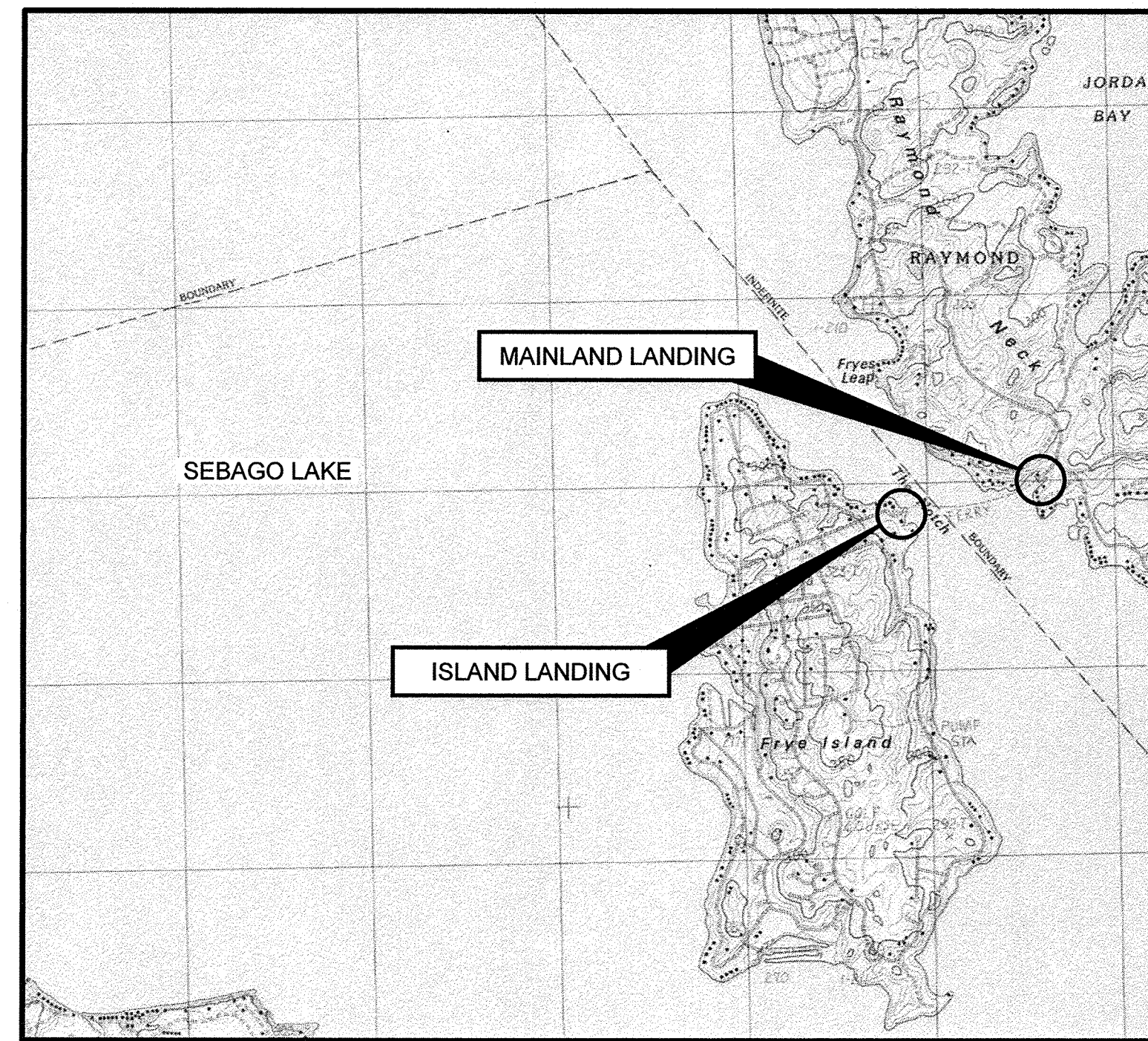


## TOWN OF FRYE ISLAND & RAYMOND CUMBERLAND COUNTY FRYE ISLAND FERRY LANDING ELECTRICAL REPAIRS FEDERAL PROJECT NO. 2591900 MAINEDOT WIN: 025919.00



### INDEX OF SHEETS

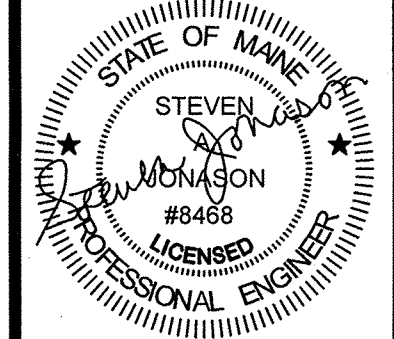
SHEET	NO.	TITLE
<u>GENERAL</u>		
G-01	1	TITLE SHEET
<u>ELECTRICAL</u>		
E-01	2	GENERAL NOTES AND SCHEDULE
E-02	3	ELECTRICAL PLAN - DEMO, MAINLAND LANDING
E-03	4	ELECTRICAL PLAN - NEW, MAINLAND LANDING
E-04	5	ELECTRICAL PLAN - DEMO, ISLAND LANDING
E-05	6	ELECTRICAL PLAN - NEW, ISLAND LANDING



0 1/2 1  
Scale in Miles  
LOCATION MAP

<u>PROJECT LOCATION:</u>	FRYE ISLAND AND RAYMOND FERRY LANDINGS
<u>PROGRAM AREA:</u>	MULTIMODAL
<u>SCOPE OF WORK:</u>	ELECTRICAL REPAIRS AT MAINLAND AND ISLAND FERRY LANDINGS

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER: <i>[Signature]</i>		9/18/23
CHIEF ENGINEER: <i>[Signature]</i>		9-17-2023



SIGNATURE	P. E. NUMBER
<i>[Signature]</i>	8468
DATE	2023-08-25

PROJECT INFORMATION	MULTIMODAL
PROGRAM	BRIAN KEETZER
PROJECT MANAGER	GEI CONSULTANTS/BENNETT
DESIGNER	
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

PROJECT FED WIN 2591900	FRYE ISLAND FERRY LANDING ELECTRICAL REPAIRS
WIN 025919.00	TITLE SHEET
SHEET NUMBER	
<b>G-01</b>	

Date: 7/31/2023  
Division: MULTIMODAL  
Username: JMORIN  
Filename: -

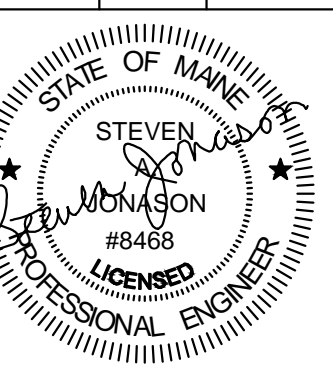
**NOTES**

1. THE COMPLETE INSTALLATION SHALL CONFORM WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, CODES AND ORDINANCES, INCLUDED BUT NOT LIMITED TO APPROVED EDITIONS OF THE FOLLOWING: NATIONAL ELECTRICAL SAFETY CODE (ANSI C2); NATIONAL ELECTRICAL CODE (NFPA 70); OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AND ALL AMENDMENTS THERETO. NOTHING CONTAINED IN THE DRAWINGS AND SPECIFICATIONS SHALL BE CONSTRUED TO CONFLICT WITH THESE LAWS, CODES, AND ORDINANCES, AND THEY ARE THEREBY INCLUDED IN THESE SPECIFICATIONS. OBTAIN PERMITS AND REQUEST INSPECTIONS FROM ALL AUTHORITIES HAVING JURISDICTION. COMPLY WITH ALL POWER, TELEPHONE, CABLE TELEVISION PROVIDER REGULATIONS AND STANDARDS.
2. THE FOLLOWING ELECTRICAL WORK SHALL BE PERFORMED UNDER THIS CONTRACT: FITTINGS, AND ALL DEVICES; PROVISION OF HAND HOLES, NEW LIGHTING FIXTURES; PROVISION OF UNDERGROUND CONDUIT AND WIRE TO SERVE NEW LIGHTING EQUIPMENT AND RECEPTACLES; PROVISION OF SERVICE EQUIPMENT, INCLUDING OUTDOOR CABINETS, INGROUND SPLICE BOXES, GROUNDING, METER ENCLOSURES, AND WEATHERPROOF RECEPTACLES.
3. PROVIDE UNDERGROUND ELECTRICAL WARNING TAPE: 6" WIDE PLASTIC TAPE, COLORED RED WITH SUITABLE LEGEND DESCRIBING BURIED ELECTRICAL LINES FOR ALL UNDERGROUND CONDUITS. LOCATE 6 INCHES BELOW FINISHED GRADE.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED. CONTRACTORS SHALL CONTACT DIG SAFE BEFORE BEGINNING ANY EXCAVATIONS.
5. THE LOCAL TELEPHONE AND CABLE TELEVISION SERVICE PROVIDERS SHALL PROVIDE AND INSTALL ALL THE SITE UTILITY SERVICE CABLE TO NEW BACKBOARD IN THE CONDUITS PROVIDED BY THE CONTRACTOR AS PART OF THE SITE WORK.
6. UNDERGROUND CONDUIT SHALL BE SCHED 40 PVC. ABOVE GRADE CONDUIT SHALL BE RGS. ALL CONDUIT SWEEPS SHALL BE RGS LONG SWEEPS. UNDERGROUND CONDUIT SHALL BE INSTALLED BY THE TOWN OF FRY ISLAND IN ADVANCE OF CONTRACTOR'S INSTALLTION OF ELECTRICAL SERVICES AT THE SITE.
7. PROVIDE EXPANSION FITTINGS FOR ALL UNDERGROUND CONDUIT CONNECTED TO FIXED ABOVE GROUND STRUCTURES.

**LIGHT FIXTURE SCHEDULE**

TYPE	MANUFACTURER AND MODEL NUMBER	LAMP INFO	REMARKS
L	LITHONIA LIGHTING ESXF2 ALO SWW2 KY DDB OR EQUIVALENT	22W/3000K/ 3377 LUMENS	SURFACE MOUNTED GENERAL PURPOSE FLOOD LIGHT, MOUNTED ON GANTRY. SWITCHABLE CCT AND ADJUSTABLE LUMEN OUTPUT. INTEGRAL PHOTOCELL. IP66 RATED. FINISH: BLACK
L1	LITHONIA LIGHTING ESXF2 ALO SWW2 KY DDB OR EQUIVALENT	56W/ 3000K/ 7223 LUMENS	SURFACE MOUNTED GENERAL PURPOSE FLOOD LIGHT, MOUNTED ON GANTRY. SWITCHABLE CCT AND ADJUSTABLE LUMEN OUTPUT. INTEGRAL PHOTOCELL. IP66 RATED. FINISH: BLACK
L2	EDWARDS 125STRNR120AB OR EQUIVALENT	12W/ - / 175,000peak candela	SURFACE MOUNTED SIGNAL LIGHT. CORROSION RESISTENT NEMA TYPE 3R AND 4X ENCLOSURE. SHATTER-RESISTANT POLYCARBONATE LENS. CONDUIT MOUNTED; IP66 RATED. FINISH: BLACK

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION



SIGNATURE  
P.E. NUMBER  
DATE

PROJ. MANAGER	BRIAN KEETZER	DATE
DESIGN-DETAILED		
CHECKED-REVIEWED		
DESIGN-DETAILED2		
DESIGN-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

FRYE ISLAND FERRY LANDING  
ELECTRICAL REPAIRS  
GENERAL NOTES AND SCHEDULE

SHEET NUMBER

**E-01**

Date: 07/31/2023

Division: MUL TIMODAL Username: JMORIN

Filename: -

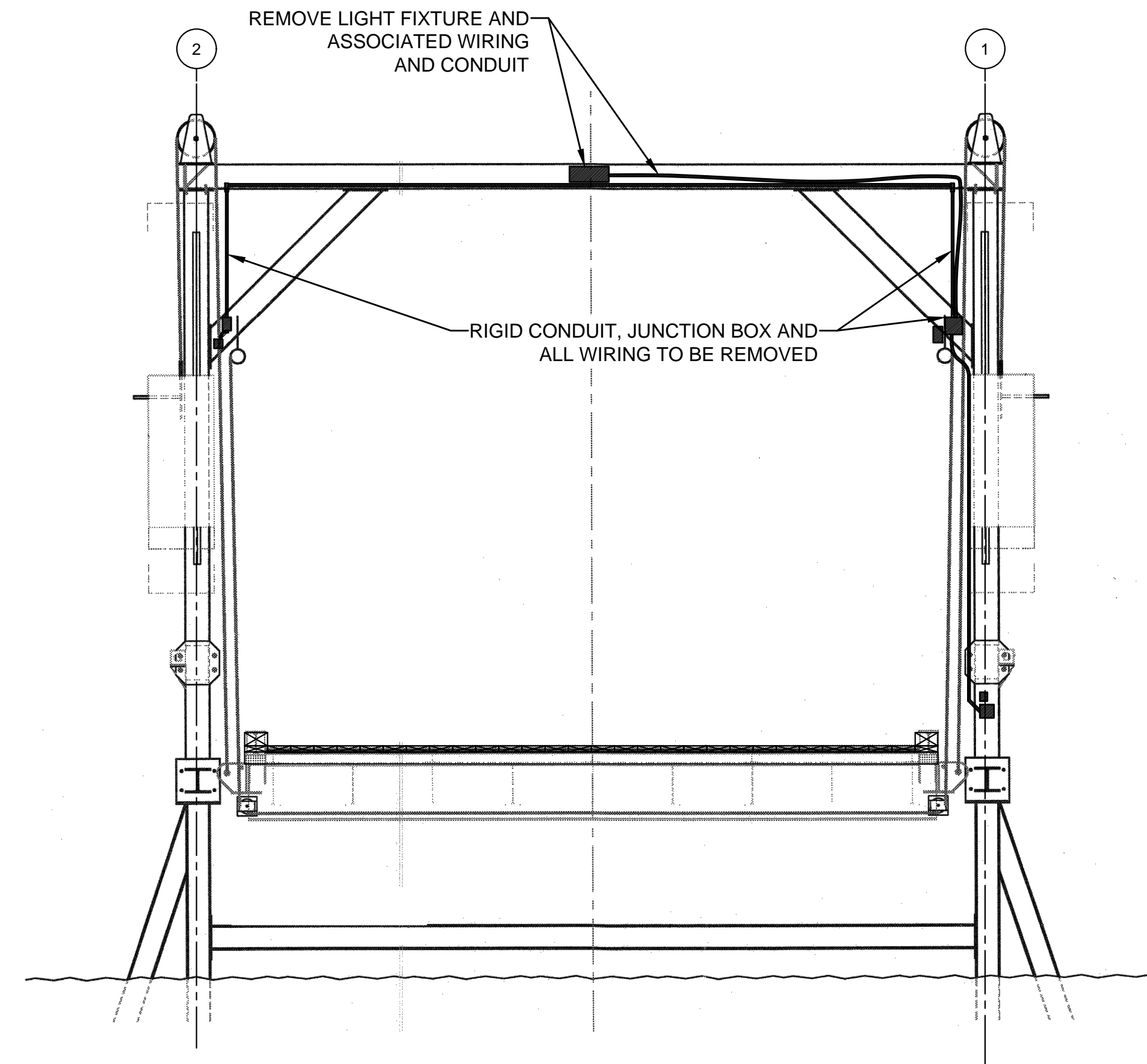
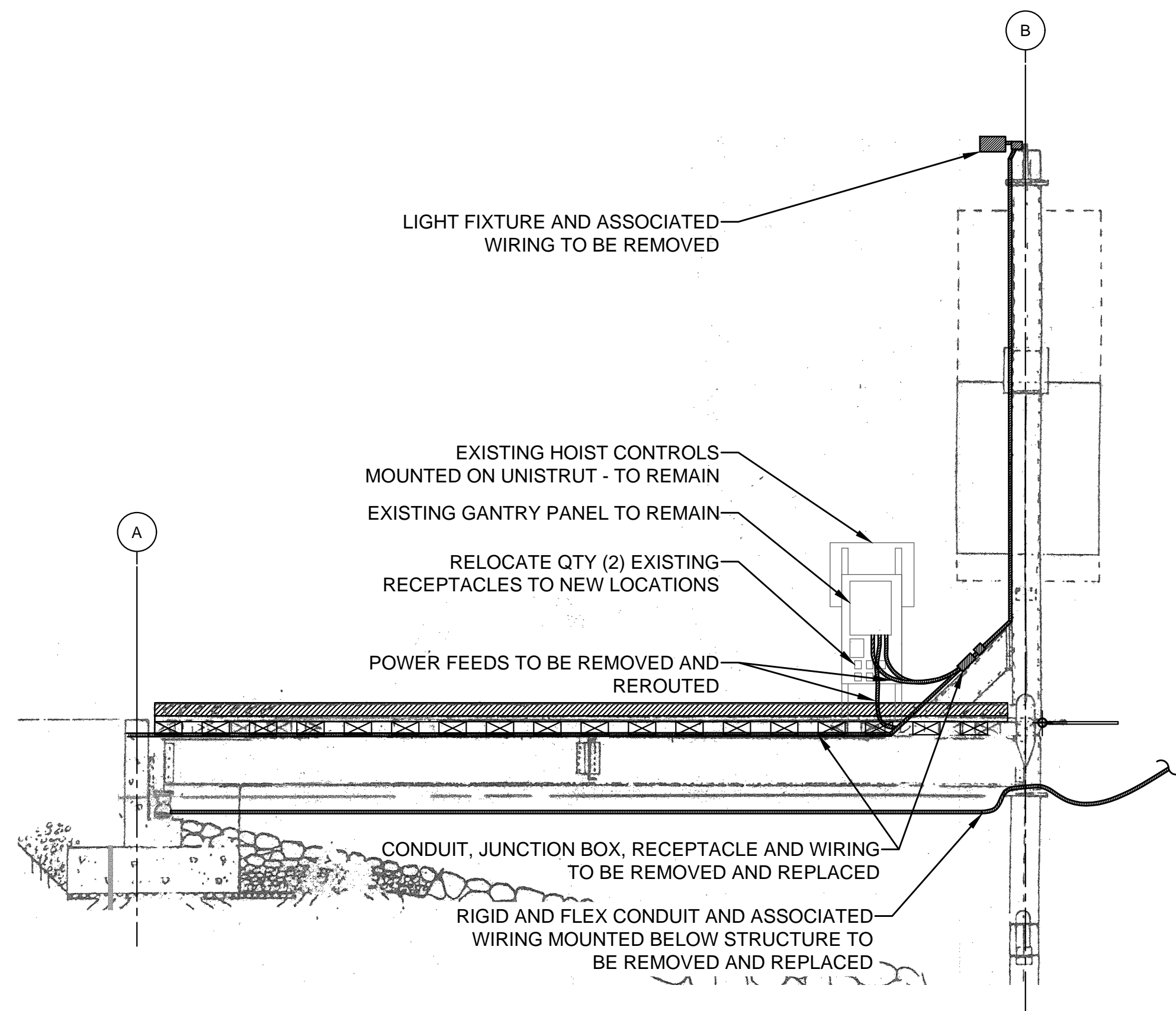
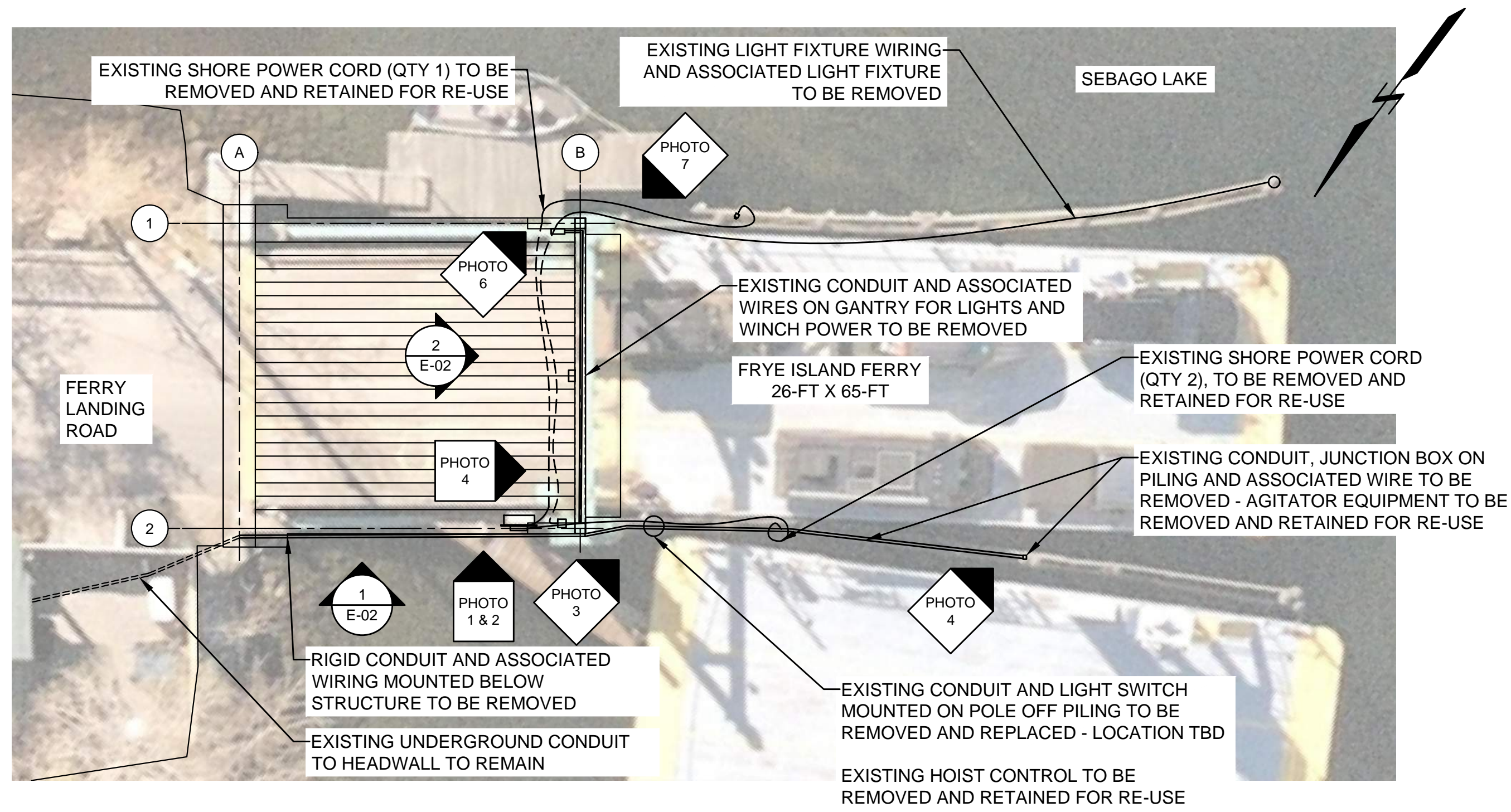


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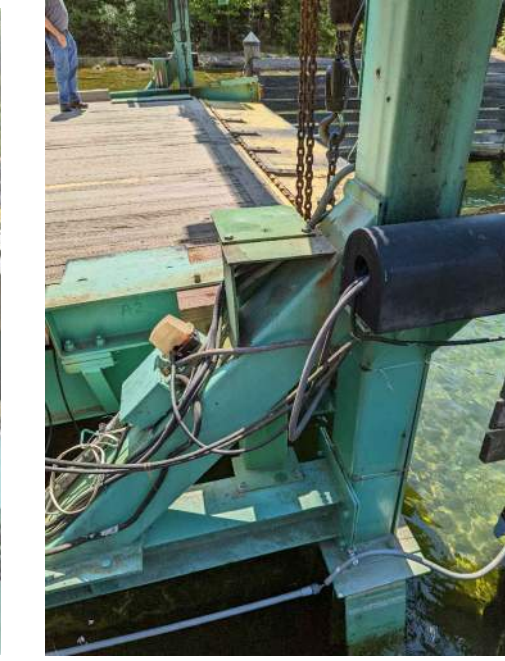


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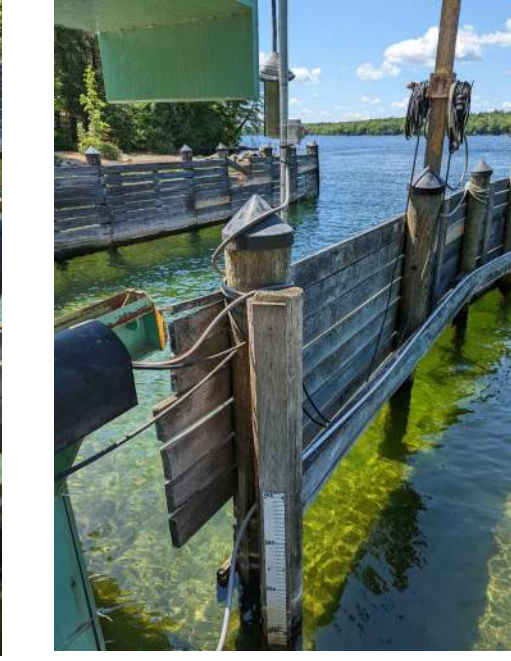


PHOTO 3

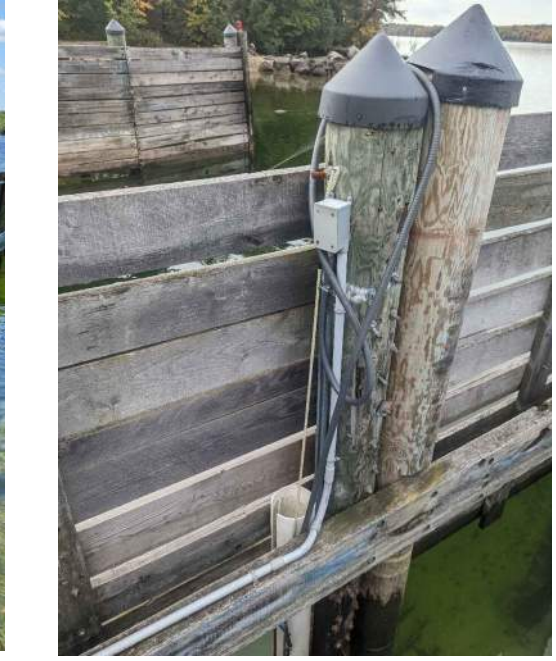


PHOTO 4



PHOTO 5



PHOTO 6

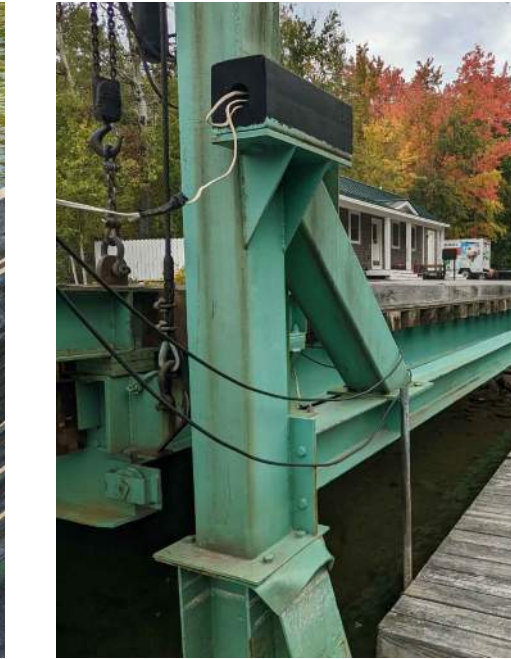
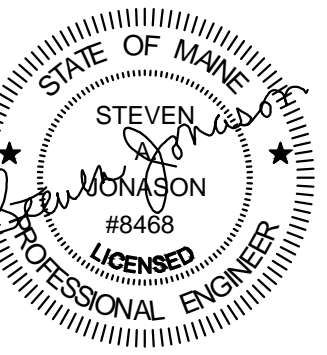


PHOTO 7

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



PROJ. MANAGER	BRIAN KEEZER	DATE	
DESIGN-DETAILED		BY	
CHECKED-REVIEWED			
DESIGN-DETAILED2			
DESIGN-DETAILED3			
REVISIONS 1		SIGNATURE	
REVISIONS 2		P.E. NUMBER	4468
REVISIONS 3		DATE	2023-08-25
REVISIONS 4			
FIELD CHANGES			

FRYE ISLAND FERRY LANDING ELECTRICAL REPAIRS DEMO - MAINLAND LANDING

SHEET NUMBER

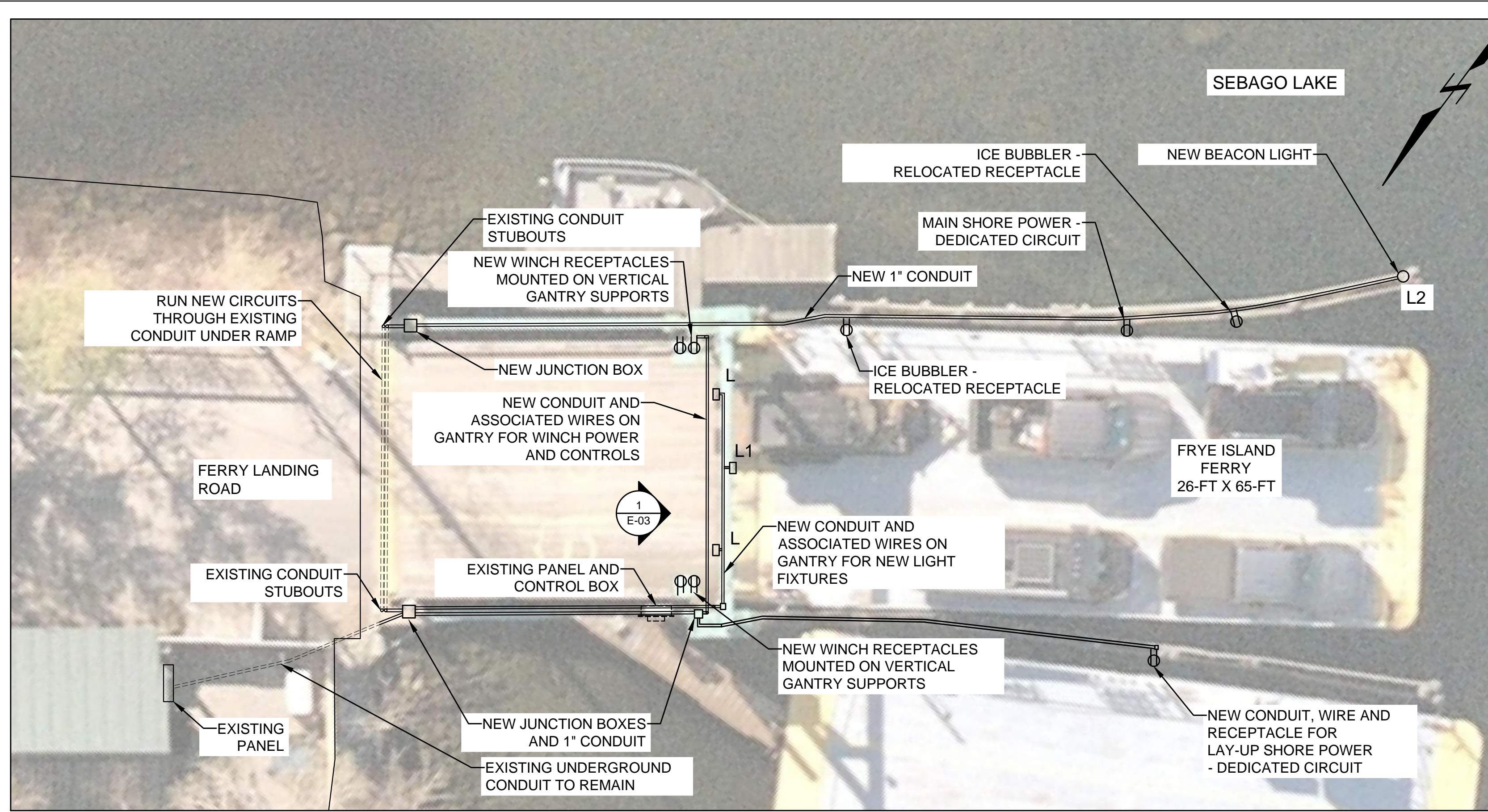
E-02

Date: 07/31/2023

Username: JMORIN

Division: MUL TIMODAL

Filename: -



**EXISTING PANEL SCHEDULE**

EXISTING MAINLAND PANEL 200A		EXISTING MAINLAND PANEL 200A	
SEPTIC PUMP	15A 1P	100A 2P OFFICE PANEL	
POLE LIGHT 1	15A 1P	60A 2P TEMP OFFICE/TRAILER	
POLE LIGHT 2	15A 1P	20A 2P LIGHT ON HOIST/RIGHT HOIST	
POLE LIGHT 3	15A 1P	20A 2P PUMP & LIGHTS GANTRY LIGHTS	
POLE LIGHT 4	15A 1P	50A 2P GANTRY PANEL	
POLE OUTLET 1	15A 1P		
POLE OUTLET 2	15A 1P		
POLE OUTLET 3	15A 1P		
POLE OUTLET 4	15A 1P		
SIGN NEAR GANTRY	15A 1P		

**NEW PANEL SCHEDULE**

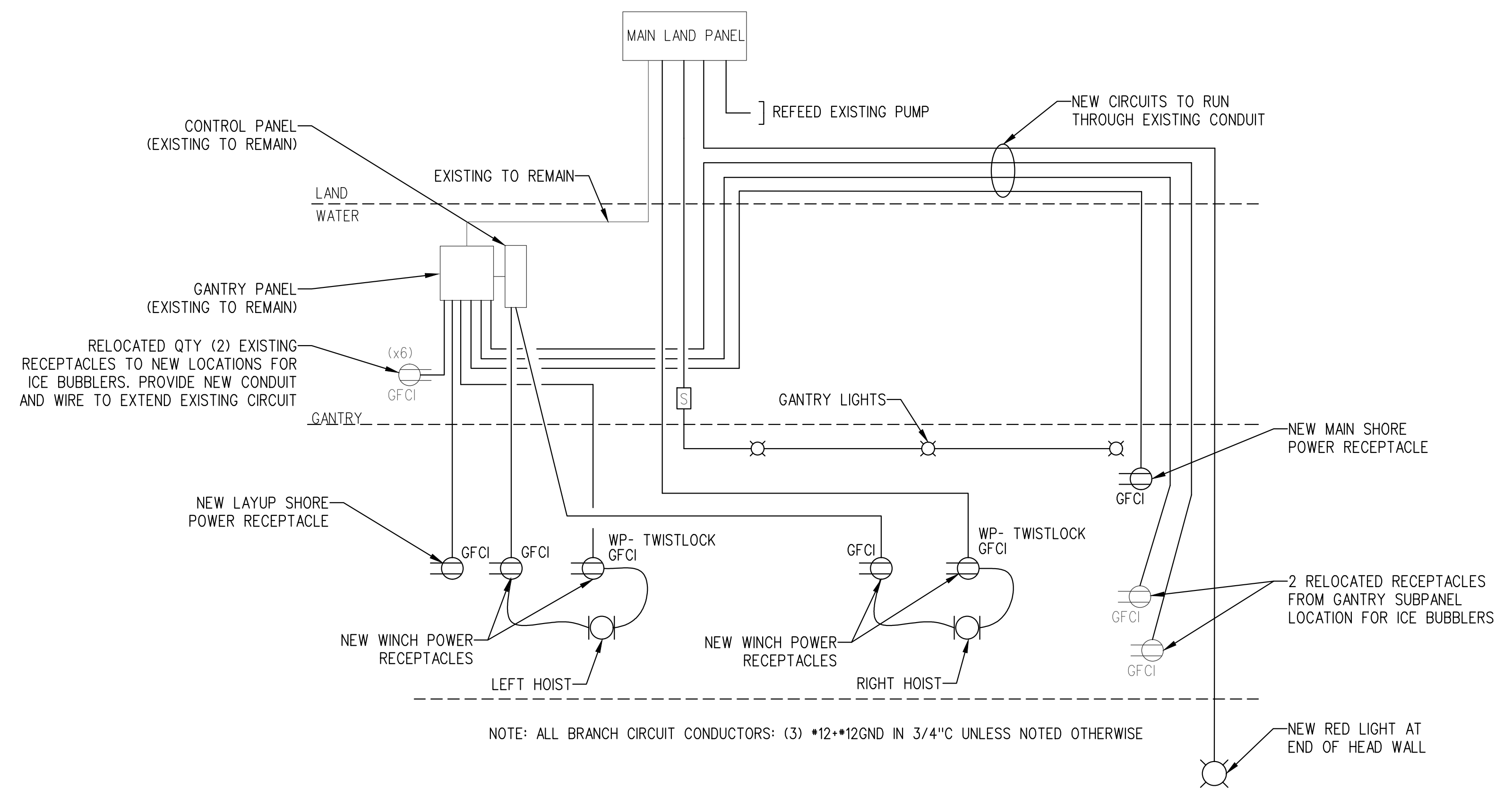
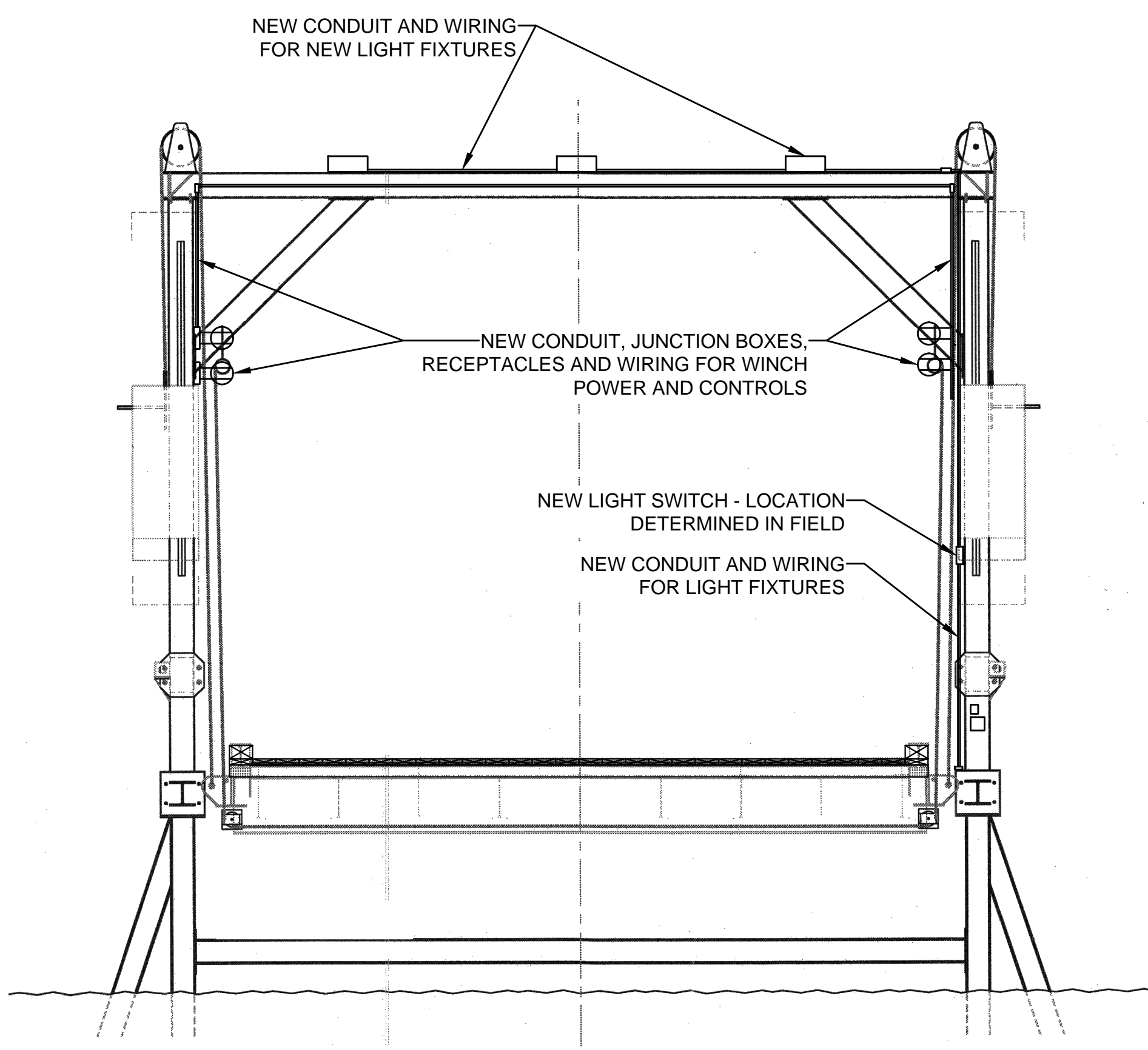
EXISTING MAINLAND PANEL 200A		NEW PANEL SCHEDULE	
SEPTIC PUMP	15A 1P	100A 2P OFFICE PANEL	
POLE LIGHT 1	15A 1P	60A 2P TEMP OFFICE/TRAILER	
POLE LIGHT 2	15A 1P	20A 2P SPARE	
POLE LIGHT 3	15A 1P	20A 2P PUMP	
POLE LIGHT 4	15A 1P	50A 2P GANTRY PANEL	
POLE OUTLET 1	15A 1P	20A 1P GANTRY LIGHTS	
POLE OUTLET 2	15A 1P	20A 1P HEADWALL LIGHT	
POLE OUTLET 3	15A 1P	20A 1P RIGHT HOIST	
POLE OUTLET 4	15A 1P	20A 1P LEFT HOIST	
SIGN NEAR GANTRY	15A 1P		

**EXISTING PANEL SCHEDULE**

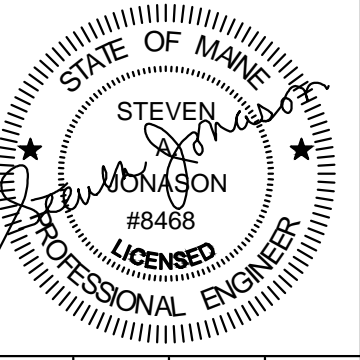
GANTRY PANEL 50A		NEW PANEL SCHEDULE	
MAIN SHORE	20A 1P	20A 1P LAY-UP	
RECEPTACLE	20A 1P	20A 1P RECEPTACLE	
RECEPTACLE	20A 1P	20A 1P RECEPTACLE	
RECEPTACLE	20A 1P	15A 1P RECEPTACLE	

**NEW PANEL SCHEDULE**

GANTRY PANEL 50A		NEW PANEL SCHEDULE	
MAIN SHORE	20A 1P	20A 1P LAY-UP	
ICE BUBBLER	20A 1P	20A 1P ICE BUBBLER	
RECEPTACLE	20A 1P	20A 1P RECEPTACLE	
RECEPTACLE	20A 1P	15A 1P RECEPTACLE	



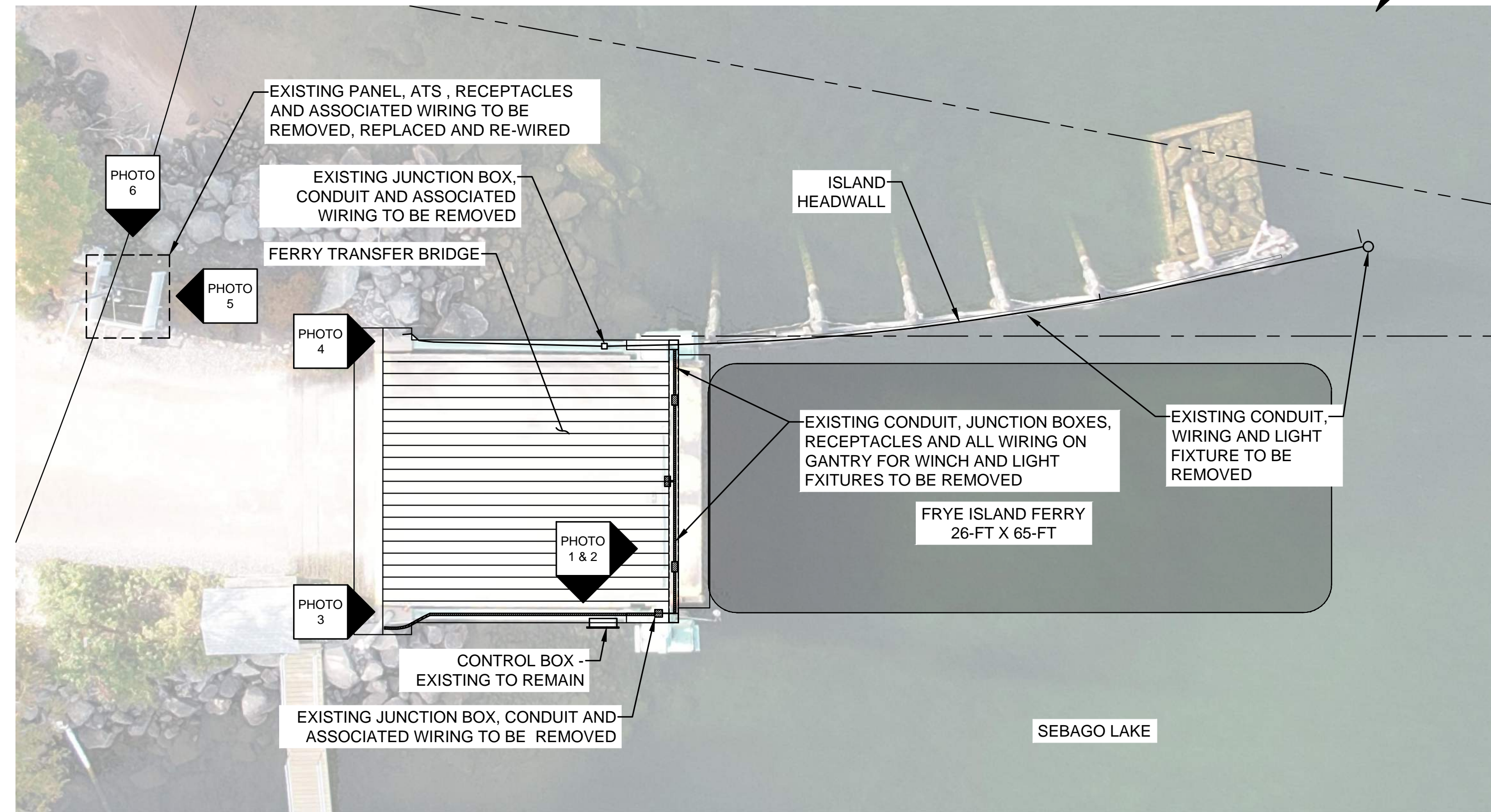
STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
WIN 025919.00  
MUL TIMODAL



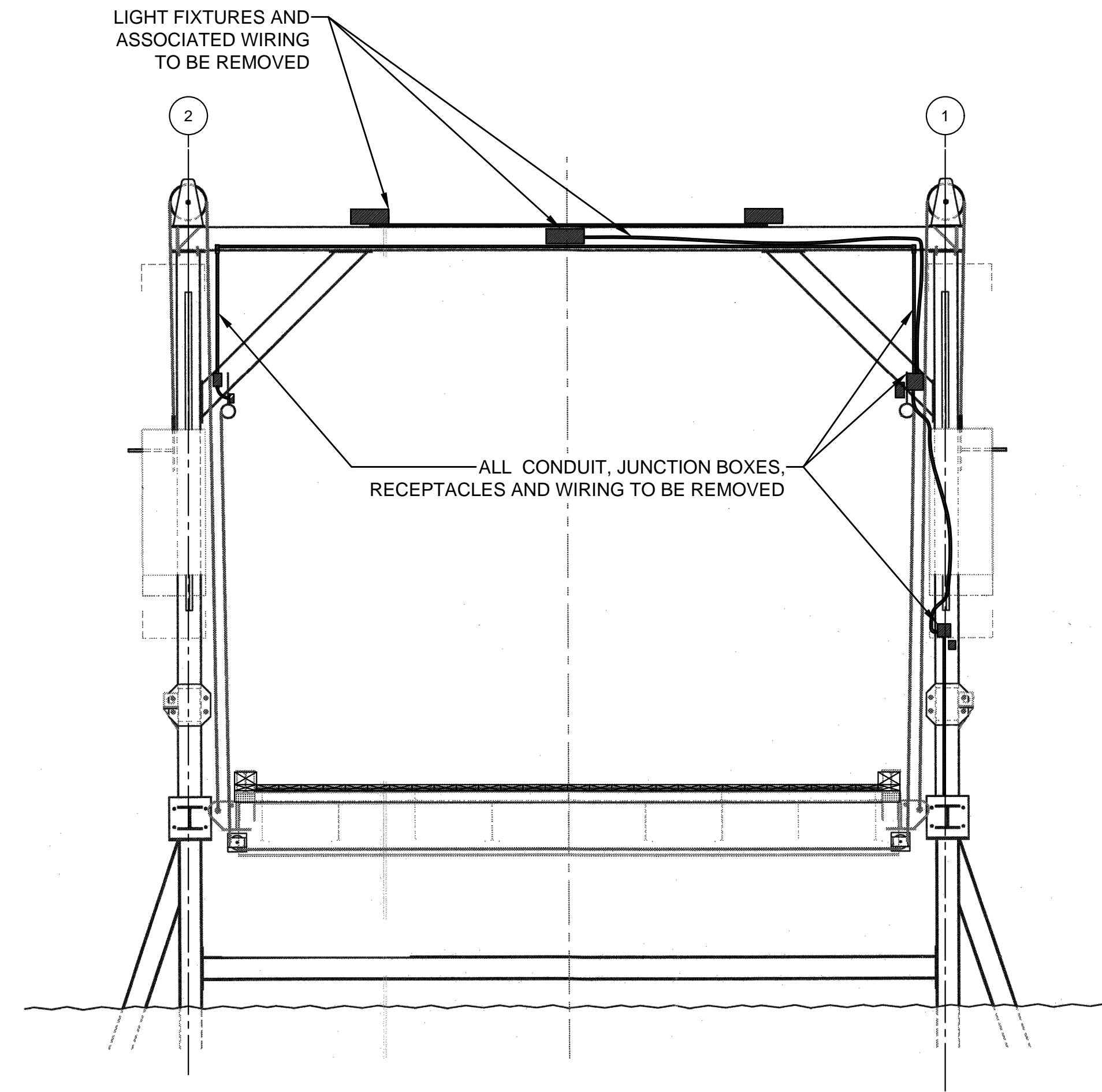
PROJ. MANAGER	DATE	BY	DATE
BRIAN KEETZER			
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN-DETAILED2			
DESIGN-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

FRYE ISLAND FERRY LANDING  
ELECTRICAL REPAIRS  
NEW - MAINLAND LANDING

SHEET NUMBER  
**E-03**  
4 OF 6



FRYE ISLAND LANDING PLAN SCALE: 1" = 10'



1 ELEVATION ISLAND LANDING GANTRY SCALE: 1" = 5'



PHOTO 1



PHOTO 2



PHOTO 3



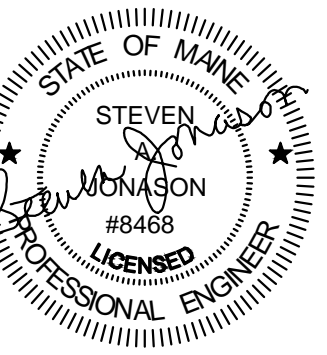
PHOTO 4



PHOTO 5



PHOTO 6



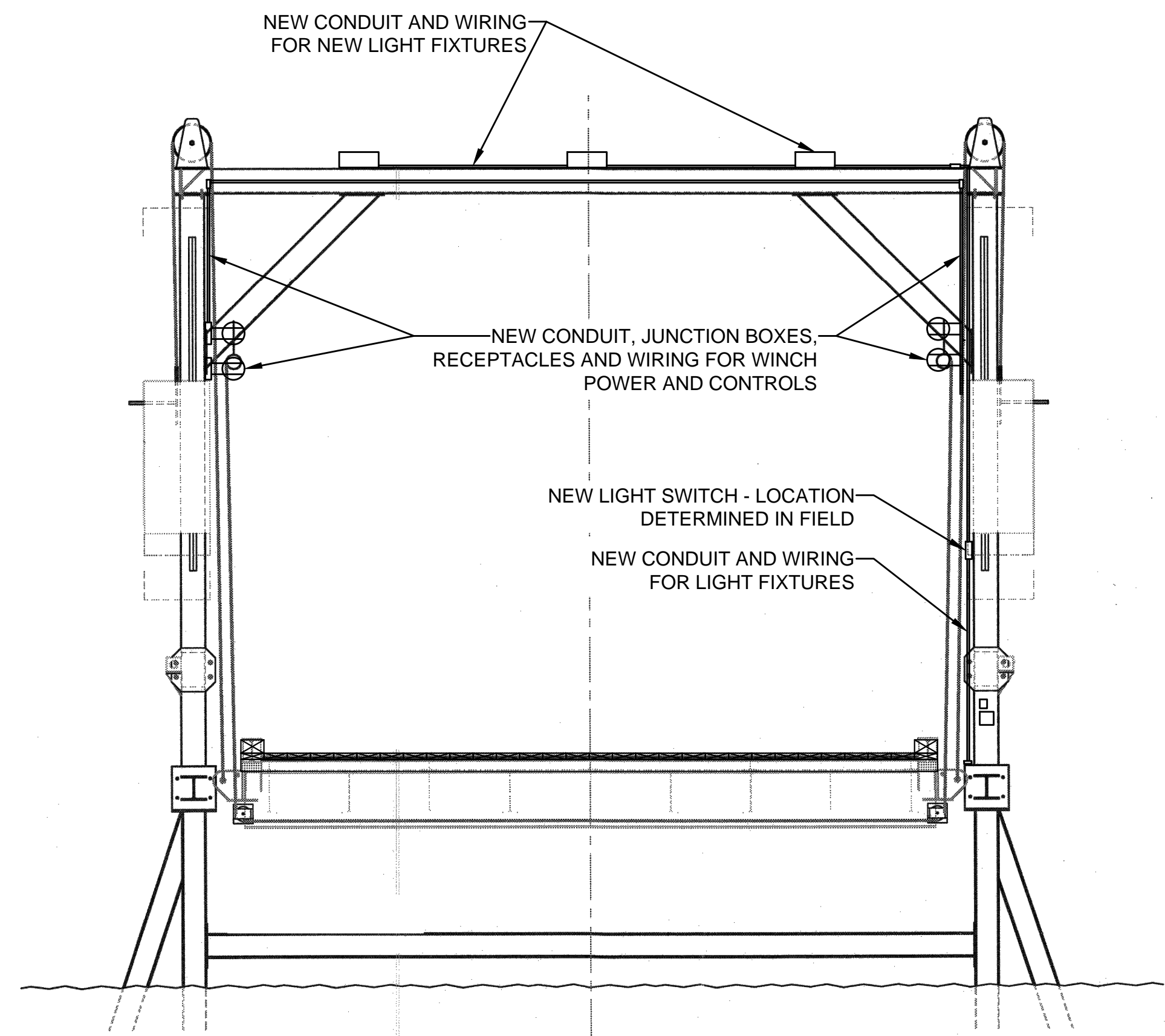
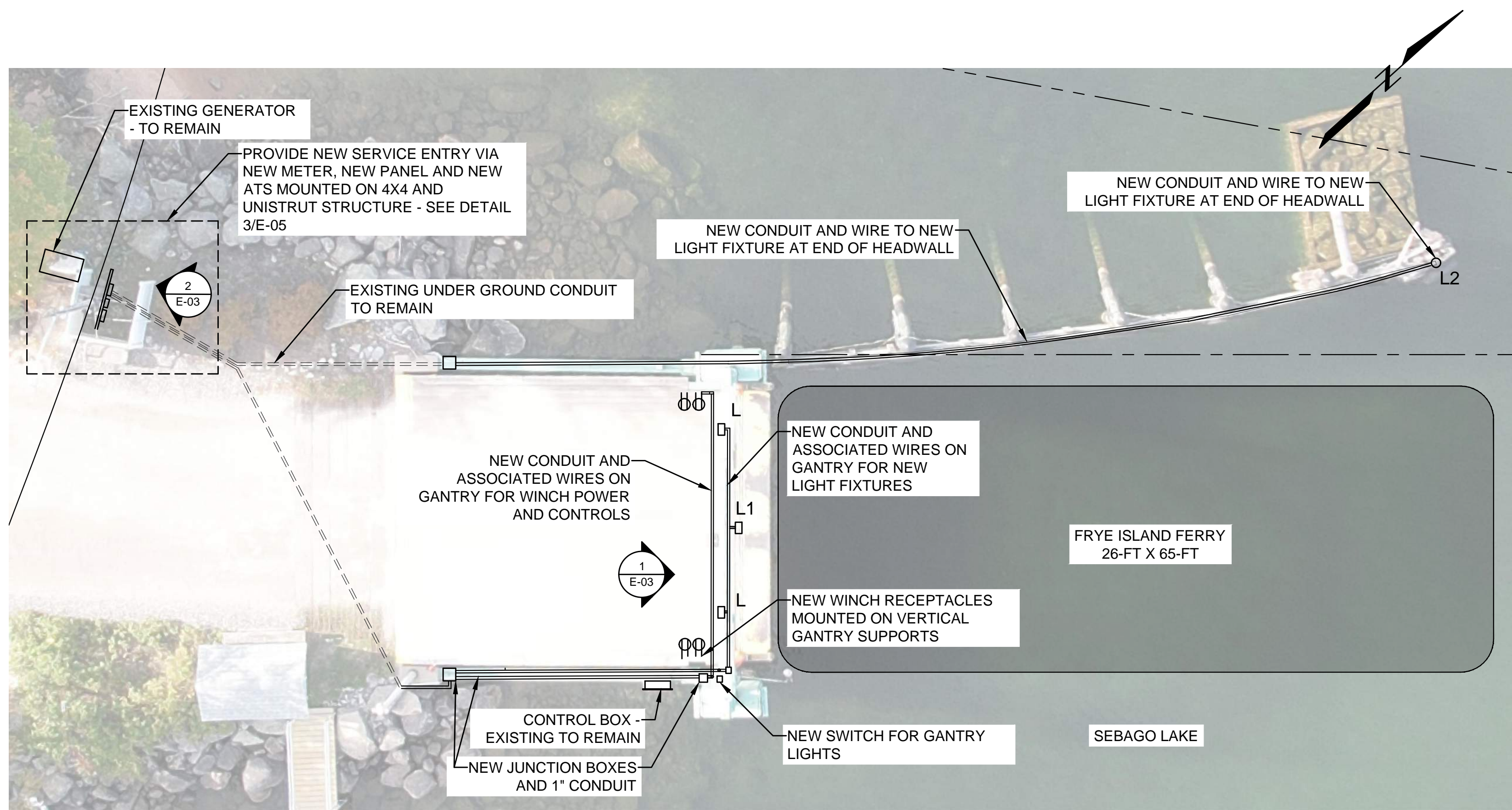
PROJ. MANAGER	BRIAN KEEZER	DATE	
DESIGN-DETAILED		BY	
CHECKED-REVIEWED		SIGNATURE	
DESIGN-DETAILED2		P.E. NUMBER	48466
DESIGN-DETAILED3		DATE	2023-08-25
REVISIONS 1		FIELD CHANGES	
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			

Date: 07/31/2023

Username: JMORIN

Division: MUL TIMODAL

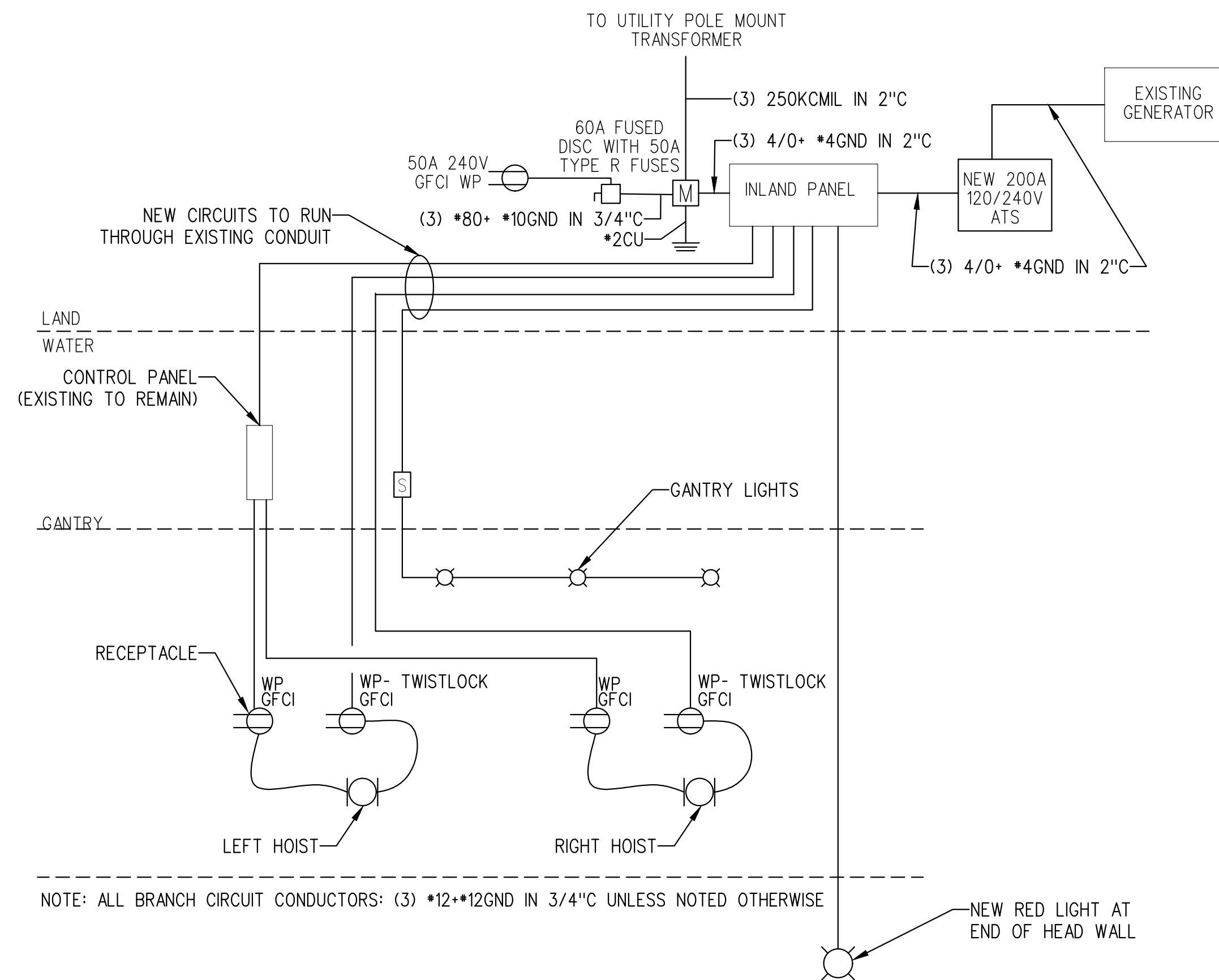
Filename: -



1 ELEVATION  
E-05 ISLAND LANDING GANTRY SCALE: 1" = 5'

EXISTING		
ATS PANEL 50A		
SPARE	30A 2P	20A 1P STREET LIGHT
RECEPTACLE	15A 1P	20A 1P POLE RECEPT
GANTRY LIGHTS	15A 1P	20A 1P RIGHT HOIST
SLIP LITE	15A 1P	20A 1P CAMERAS
		20A 1P LEFT HOIST

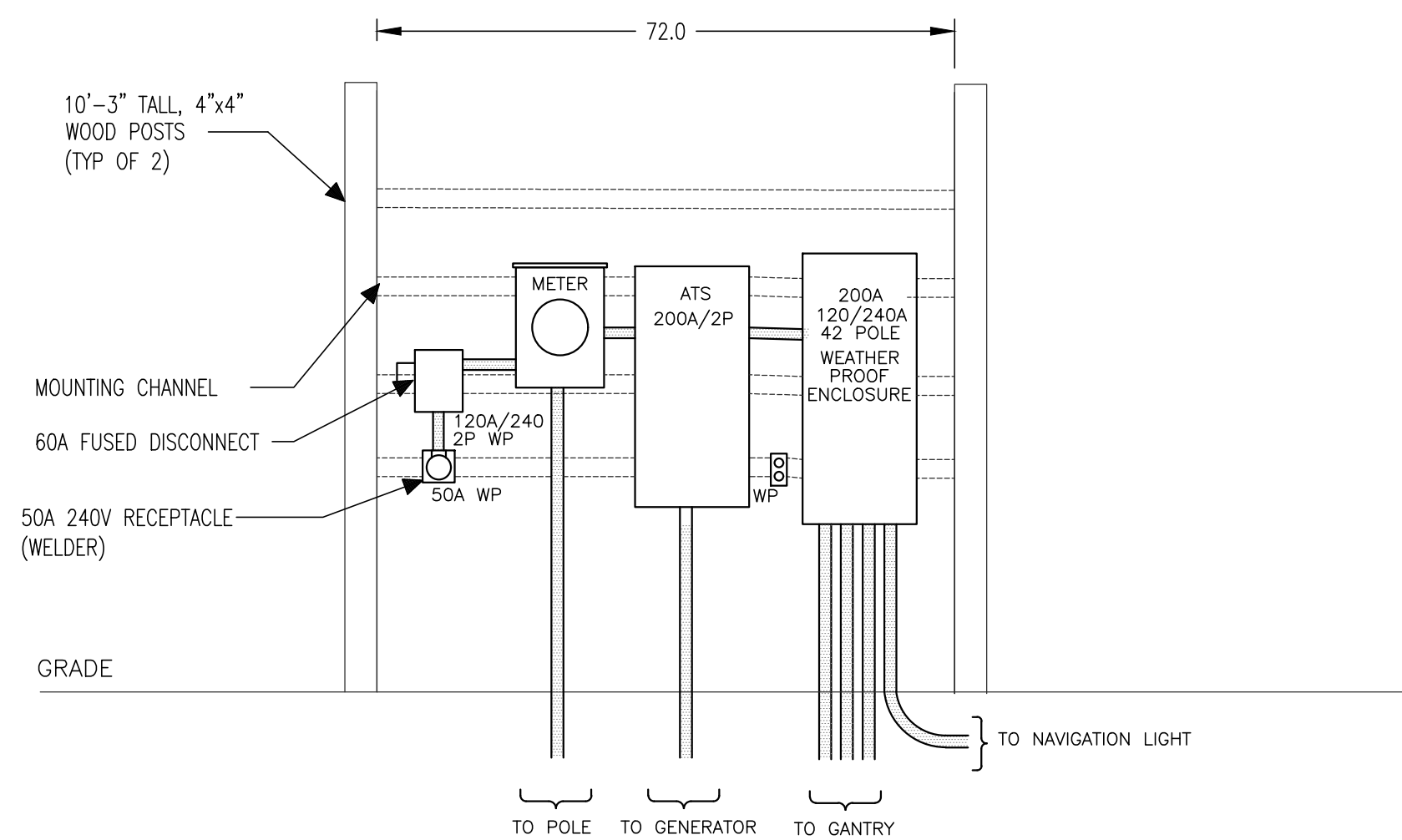
NEW		
NEW 120/240V 42 POLE 200A		
WELDER	50A 2P	20A 1P STREET LIGHT
RECEPTACLE	15A 1P	20A 1P POLE RECEPT
GANTRY LIGHTS	15A 1P	20A 1P RIGHT HOIST
SLIP LITE	15A 1P	20A 1P CAMERAS
		20A 1P LEFT HOIST



NOTE: ALL BRANCH CIRCUIT CONDUCTORS: (3) \*12\*12GND IN 3/4" C UNLESS NOTED OTHERWISE

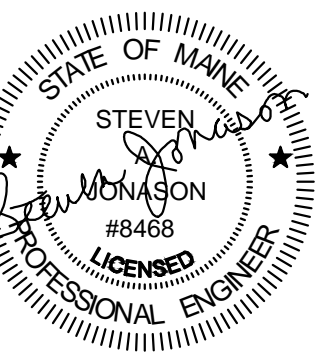
PANEL SCHEDULE  
FRYE ISLAND LANDING NONE

ONE-LINE DIAGRAM  
FRYE ISLAND LANDING NONE



2 ELEVATION  
E-05 ISLAND LANDING ELECTRICAL SERVICE LOCATION SCALE: NONE

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION



PROJ. MANAGER	DATE
BRIAN KEEZER	
DESIGN-DETAILED	
CHECKED-REVIEWED	
DESIGN-DETAILED2	
DESIGN-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

FRYE ISLAND FERRY LANDING  
ELECTRICAL REPAIRS  
NEW - ISLAND LANDING

SHEET NUMBER

E-05

WIN 025919.00  
MUL TIMODAL