Town of Camden
29 Elm Street
Camden, ME 04843

May 7, 2015

Subject: Camden Harbor SHIP Grant – HOIST PROCUREMENT
State WIN: 018534.12
Amendment No. 2

Dear Sir/Ms:

This amendment includes changes to the Bid Documents and questions /RFIs received and responses.

BID DOCUMENTS:

Please make the following changes to the Bid Documents:

1. SP 107 Section 107 PROSECUTION AND PROGRESS (Contract Time): Remove all language and replace with the following: "The hoist fabrication shall be complete and ready to install no later than November 20, 2015. All work under this contract shall be completed no later than December 31, 2015. (It shall be noted that the SHIP Grant Project [separate contract] now has one mobilization beginning after Columbus Day on Tuesday, October 13, 2015. The hoist foundation and associated work shall also be completed no later than December 31, 2015.)"

2. SP 107 Section 107 PROSECUTION AND PROGRESS (Scheduled Events): Replace the first paragraph with the following: "Description. There will be ongoing marine operations (e.g., commercial fishing) as well as limited tourism activities within and adjacent to the limits of work during time of this contract. The Public Landing is also the location of a heavily-used municipal parking lot. The Contractor shall coordinate with the Town Harbormaster, Town Public Works, and private owners as appropriate. The work under this contract has been scheduled into one mobilization that occurs after Columbus Day in order to avoid the majority of community events that are held at and / or nearby the Public Landing."

3. APPENDIX A: SHIP GRANT DRAWINGS (For Reference Only): A revised set of drawings is attached.

QUESTIONS / RFIs

1. **Question:** Does the hoist design require a PE seal or is a shop drawing acceptable?

   Response: *Shop submittals for the hoist are required to be sealed by a licensed Professional Engineer.*

2. **Question:** Under the Contract Agreement and Award section it states all work to be complete on or before 12-31-2015. Under Section 107 it states that the foundation and associated work shall be completed no later than June 26, 2015. In section 14601 page 2 item 3.01 it states that the hoist shall be complete and available for delivery by May 20, 2015 or 30 days after the contract is executed. Please Clarify. Having the Hoist available in 30 days, with the design, shop drawings, shop drawings being reviewed and fabrication and galvanizing in Boston, I feel is unobtainable and request that the time frame listed be reviewed and reconsidered.

   Response: *The project timeline has been amended to reflect fall installation of the hoist. The new deadline for hoist installation, per Addendum #2, is November 20, 2015.*

TOWN OF
CAMDEN, MAINE

PLAN LEGEND

Town, County, State		Centerline-Existing	
Property Lines		Centerline-Proposed	10+00
R/W Lines-Existing		Travelway-Existing	
R/W Lines-Proposed		Travelway-Proposed	
Culvert-Existing		Railroad	
Culvert Proposed		Catch Basins	Existing ■ Proposed
Curbing	Existing Proposed	Manholes	Existing ● Proposed
Type 1		Proposed Underdrain	
Type 3		Proposed Ditch	
Type 5		Existing Ditch	
Outline of Bodies of Water		Utlity Poles	Existing ♦ Proposed
Ledge		Fire Hydrants	Existing ◆ Proposed
Buildings		Existing Water Line	
Trees	Conifer Deciduous	Existing San. Sewer	
Tree Line		Existing San. Sewer Manhole	
Clearing Limit Line	CLL CLL	Guardrail-Existing	
		Guardrail-Proposed	
		Guardrail-Cable, Other	

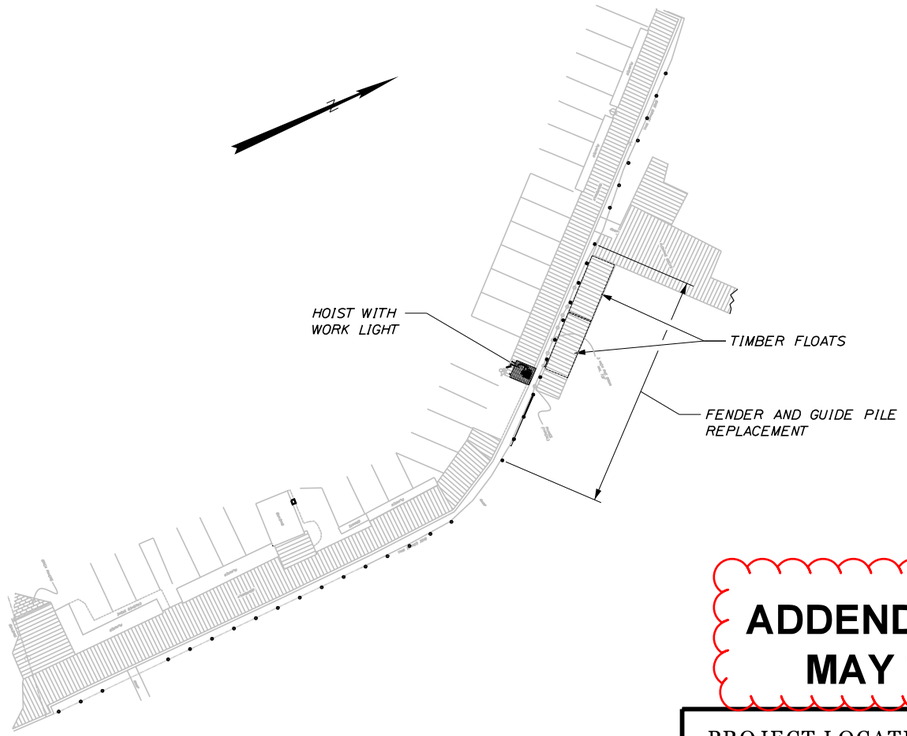
CAMDEN

KNOX COUNTY

PUBLIC LANDING IMPROVEMENTS

WIN 018534.12

INDEX OF SHEETS



LAYOUT SCALE

25 0 25 50

Scale in Feet

ADDENDUM NO. 2
MAY 7, 2015

T·Y·LIN INTERNATIONAL

PROJECT LOCATION:	INTERSECTION OF MAIN STREET (U.S. ROUTE ONE) AND COMMERCIAL STREET
OUTLINE OF WORK:	TIMBER FENDER AND GUIDE PILE INSTALLATIONS; TIMBER FRAMING, FACE SHEATHING, AND LADDER INSTALLATIONS; TIMBER FLOAT CONSTRUCTION AND INSTALLATION; REINFORCED CONCRETE FOUNDATION CONSTRUCTION FOR 1,000 LB HOIST (SUPPLIED AND INSTALLED BY OTHERS); AND ELECTRICAL IMPROVEMENTS

TOWN OF CAMDEN

	DATE
APPROVED	

STATE OF MAINE · KATHERINE E. KERN · No. 6413 · REGISTERED PROFESSIONAL ENGINEER

Kathleen E. Kern

SIGNATURE 6413

P.E. NUMBER 04-21-2015

DATE

PROJECT INFORMATION

PROGRAM	
PROJECT MANAGER	PAT FINNIGAN
DESIGNER	KATHERINE KERN
CONSULTANT	T.Y. LIN INTERNATIONAL
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

CAMDEN PUBLIC LANDING IMPROVEMENTS

TITLE SHEET

WIN 018534.12

SHEET NUMBER

T-1

Filename: ...\00\HIGHWAY\MSTA\Title.dgn Division: HIGHWAY Username: Date:5/7/2015

GENERAL NOTES

1. THE CONTRACTOR SHALL BE GOVERNED BY THE CONSTRUCTION SAFETY RULES AS ADOPTED BY THE STATE BOARD OF CONSTRUCTION SAFETY, AUGUSTA, MAINE AND THE SAFETY AND HEALTH REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AS PROMULGATED BY THE US DEPARTMENT OF LABOR.
2. THE CONTRACTOR SHALL INCLUDE IN HIS BID, COSTS FOR COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATORY REQUIREMENTS.
3. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAKE ALL IMPROVEMENTS IN ACCORDANCE WITH THE STATE OF MAINE DEPARTMEMT OF TRANSPORATION STANDARD SPECIFICATION; NOVEMBER 2014 EDITION.
4. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ALL CONSTRUCTION DEBRIS AT AN APPROVED FACILITY IN ACCORDANCE WITH ALL APPLICABLE LOCAL STATE AND FEDERAL REGULATORY REQUIREMENTS.

CONSTRUCTION SEQUENCE & COORDINATION

1. SCHEDULE FOR ALL ACTIVITIES SHALL BE COORDINATED WITH THE TOWN OF CAMDEN AND THE HARBORMASTER SO AS TO MINIMIZE DISRUPTION TO WORKING WATERFRONT ACTIVITIES.
2. INSTALLATION OF HOIST FOUNDATION SHALL BE COMPLETED DURING THE FIRST MOBILIZATION TO ALLOW FOR INSTALLATION OF THE HOIST BY OTHERS. DATE OF COMPLETION SHALL BE AS INDICATED IN THE PROJECT SPECIFICATIONS.
3. PILE AND FLOAT REPLACEMENT SHALL DURING THE SECOND MOBILIZATION. DATES FOR MOBILIZATION AND COMPLETION SHALL BE AS INDICATED IN THE PROJECT SPECIFICATIONS.

EROSION CONTROL NOTES

1. APPLICATION OF TEMPORARY AND PERMANENT EROSION CONTROL MEASURES FOR THE PROJECT SHALL BE IN ACCORDANCE WITH PROCEDURES AND SPECIFICATIONS OF THE CURRENT MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION; BEST MANAGEMENT PRACTICES.
2. ALL WORK SHALL BE EXECUTED FROM SHORE OR BARGE. NO TRACKED OR WHEELED EQUIPMENT SHALL BE OPERATED OR PLACED BELOW THE TIDE LEVEL.
3. TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED UPON COMPLETION OF GRADING OPERATIONS AND ESTABLISHMENT OF ACCEPTABLE GROUND COVER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL MEASURES DURING CONSTRUCTION.

DEMOLITION NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL DEMOLITION MATERIALS FROM THE SITE THAT ARE NOT SELECTED FOR RETAINAGE BY THE OWNER.
2. EXISTING TIMBER AND PILE MEMBERS RETAINED BY THE OWNER SHALL BE SET ASIDE IN A PROTECTED AREA FOR REUSE OR REMOVAL FROM THE SITE BY THE OWNER.
3. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF DEMOLITION MATERIALS AT AN APPROVED FACILITY IN ACCORDANCE WITH ALL APPLICABLE REGULATORY REQUIREMENTS.

SURVEY NOTES

1. BASE SURVEY IS FROM A PLAN ENTITLED "TOPOGRAPHIC SURVEY OF THE TOWN OF CAMDEN PUBLIC LANDING, COMMERCIAL STREET, TOWN OF CAMDEN, KNOX COUNTY, MAINE" PREPARED BY GOOD DEEDS, INC. LAND SURVEYING FOR T.Y. LIN INTERNATIONAL, DATED JUNE 24, 2014 AND REVISED THROUGH JULY 9, 2014.
2. BOUNDARY INFORMATION SHOWN HAS BEEN REPRODUCED FROM A PLAN ENTITLED "BOUNDARY SURVEY, TOWN OF CAMDEN PUBLIC LANDING" PREPARED BY GARTLEY & DORSKY ENGINEERING & SURVEYING FOR THE TOWN OF CAMDEN, DATED AUGUST 20, 2010.
3. ALL ELEVATIONS ARE TO NAVD88 UNLESS OTHERWISE NOTED.
4. LIMIT OF FEDERAL NAVIGATION CHANNEL DIGITIZED FROM "TOWN OF CAMDEN ZONING MAP B" PREPARED BY GARTLEY & DORSKY ENGINEERING & SURVEYING FOR THE TOWN OF CAMDEN, DATED AUGUST 12, 2008. LOCATION IS APPROXIMATE.
5. BASE FLOOD/TIDAL INFORMATION TAKEN FROM MEDEP, FEMA AND NOAA PUBLISHED DATA FOR ROCKLAND.
6. INTERPRETIVE SUBSURFACE INFORMATION IS FROM THE PROJECT GEOTECHNICAL REPORT ENTITLED "GEOTECHNICAL REPORT, FISHERMAN JIB HOIST, PUBLIC LANDING, CAMDEN, MAINE" PREPARED BY SUMMIT GEOENGINEERING, INC. FOR THE TOWN OF CAMDEN, DATED APRIL 2015. REFER TO SHEET S-2 FOR BORING LOCATION AND S-3 FOR INTERPRETIVE SUBSURFACE PROFILE. REFER TO SPECIFICATIONS FOR A COMPLETE COPY OF THE PROJECT GEOTECHNICAL REPORT

ADD 2

PROJECT ELEVATIONS (BY DATUM)

ELEVATION	CHART (ft)	NGVD29 (ft)	NAVD88 (ft)	Notes
Base Flood Elevation	16.1	11.0	10.3	FEMA Zone "AE" (Effective 1988 FIS/FIRM)
500 Year Stillwater	16.1	11.0	10.3	
100 Year Stillwater	15.4	10.3	9.6	
50 Year Stillwater	15.1	10.0	9.3	
10 Year Stillwater	14.3	9.2	8.5	
Highest Annual Tide	12.7	7.7	7.0	2015 MDEP Predictions
MHHW	10.6	5.5	4.8	BASED ON TIDAL BM "ROCKLAND"
MHW	10.2	5.1	4.4	
NAVD88	5.7	0.7	0.0	
NGVD29	5.1	0.0	-0.7	
MLW	0.4	-4.7	-5.4	
MLLW	0.0	-5.1	-5.7	

1. BASE FLOOD INFORMATION TAKEN FROM FEMA FLOOD INSURANCE RATE MAP
2. HIGHEST ANNUAL TIDE TAKEN FROM MAINE DEP PUBLISHED PREDICTIONS
3. TIDAL INFORMATION TAKEN FROM NOAA PUBLISHED DATA

DESIGN CRITERIA

1. FISHERMAN'S HOIST (SEPARATE CONTRACT)
   - MAXIMUM LIFT - 1,000 LB
   - MAXIMUM SWING - 14 FT
   - RANGE OF MOTION - AS INDICATED ON DRAWINGS
2. ALL VESSELS TO PROVIDE FENDERING AND SHALL DOCK IN SETTLED WEATHER.
3. ALL COMPONENTS TO BE SUPPORTED DURING HANDLING TO PREVENT DAMAGE. ANY DAMAGE (INCLUDING BUT NOT LIMITED TO FRACTURED, BENT OR CRACKED SECTIONS, THAT IMPACT THE STRUCTURAL, FUNCTIONAL OR VISUAL INTEGRITY WILL BE REJECTED AT THE SITE.
4. FLOATS (SEE SPECIFICATION SECTION 06131)
   - DL FREEBOARD - 18" +/-2"
   - LIVE LOAD CAPACITY (FLOAT DRUMS FULLY SUBMERGED) - 20 PSF
   - A CONCENTRATED LIVE LOAD OF 400 LBS APPLIED AT ANY POINT SHALL NOT TILT THE DECK MORE THAN SIX DEGREES TO THE HORIZONTAL.

STRUCTURAL NOTES

TIMBER PILES

1. TIMBER PILES SHALL HAVE A MINIMUM PILE BUTT DIAMETER OF 12-INCHES AT 3-FEET FROM THE BUTT AND MEET ASTM D2899 DESIGN VALUES FOR ROUND TIMBER PILES, WITH MINIMUM TIP CIRCUMFERENCE AND DESIGN LOAD CAPACITY AS INDICATED BELOW:

LOCATION	TIP	P (KIPS)	MATERIAL
GUIDE PILES	22"	5	GREENHEART
FENDER PILES:WORKING AREA	22"	5	GREENHEART
FENDER PILES:OTHER	22"	5	OAK

2. VERTICAL TIMBER PILES SHALL CONFORM TO ASTM D25. PROVIDE PROTECTION TO PILE TIP AND BUTT TO AVOID DAMAGE DURING DRIVING.
3. EXPOSED FASTENERS TO PILES SHALL BE COUNTERSUNK A MINIMUM OF 1-1/2 INCHES.
4. ALL FENDER AND GUIDE PILES SHALL BE BANDED WITH ¾" STAINLESS STEEL UTILITY STRAPPING BY BAND-IT IDEX INC. (800-525-0758), "GIANT BAND" PRODUCT #G44099 OR EQUAL, AND FITTED WITH COPPER CAPS, IN ACCORDANCE WITH NOTES ON SHEET S-4. STAINLESS STRAPS SHALL BE INSTALLED APPROXIMATELY 6" BELOW THE CUTOFF ELEVATION PRIOR TO MAKING THE FINAL CUT.
5. REFER TO SPECIFICATIONS FOR PILE DRIVING CRITERIA. THE CONTRACTOR IS CAUTIONED OF ANTICIPATED RAPID INCREASE IN DRIVING RESISTANCE DUE TO ABRUPT CHANGES IN SOIL STRATA. CARE SHOULD BE TAKEN TO AVOID DAMAGE TO THE PILE.
6. THE CONTRACTOR SHALL ORDER PILES OF SUFFICIENT LENGTH TO ALLOW FOR 5 FT VARIATION IN THE TABULATED LENGTH PROVIDED. REFER TO PILE SCHEDULE ON SHEET S-1 AND DETAILS ON SHEET S-4.

ADD 2

TIMBER STRUCTURAL MEMBERS

1. REFER TO TIMBER SCHEDULE.
2. ALL EXPOSED EDGES SHALL BE PLANED OR SANDED TO PROVIDE SMOOTH SURFACE FREE OF ROUGH EDGES OR DEFECTS.
3. ALL EXPOSED FASTENERS SHALL BE COUNTERSUNK.

CAST-IN-PLACE CONCRETE

1. MIX DESIGN:
   a. MDOT CLASS A, f_c = 4,000 PSI
2. DCI ADMIXTURE; 3-GAL/CY.
3. MINIMUM COVER TO REINFORCEMENT = 3"
4. REINFORCING STEEL:
   a. ASTM A615 GRADE 60; f_y = 60,000 PSI, EPOXY COATED

MISCELLANEOUS METALS AND FASTENERS

1. ALL METAL ITEMS TO BE A36 STEEL, HOT-DIP GALVANIZED AFTER FABRICATION UNLESS OTHERWISE NOTED.
2. ALL FASTENERS SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
3. ALL BOLTS SHALL CONFORM TO ASTM A-307. MINIMUM SIZE SHALL BE ¾" DIA. UNLESS OTHERWISE NOTED. ALL BOLTS TO BE HEAVY HEX UNLESS OTHERWISE NOTED.
4. AT ALL TIMBER CONNECTIONS, WASHERS SHALL BE PROVIDED AT FASTENER BEARING AS NOTED BELOW:
   a. FENDER PILE CONNECTIONS - OGEE WASHERS
   b. OTHER BOLTED CONNECTIONS - NY DOCK WASHERS

ADD 2

TIMBER SCHEDULE

Timber Size	Location	Species	% Moisure at Treatment	Treatment Type	Treatment pcf	Grading to SPIB	Surface Finishing	Minimum Length (if not shown on drawings)
6 x 10	Walers	SYP	25%	CCA	2.5	No. 2	S2E	16'-0"
6 x 10	Chocks	SYP	25%	CCA	2.5	No. 2	S2E	Full width between piles
10 X 10	Curbs	SYP	19%	ACQ	0.6	No. 1	S4S	10'-0"
4 x 12	Pier Face Sheathing	Oak	Untreated			No. 2	S4S	14'-0"
4 x 10	Ladder Rails	SYP	19%	ACQ	0.6	No. 1	S4S	Full length

Chromated Copper Arsenate (CCA)
Alkaline Copper Quaternary (ACQ) OR APPROVED EQUAL
Quantities shall include sufficient material to include blocking and splices (where authorized).
R = Rough Sawn, S2E = Finished Top and Bottom, S2S = Finished Each Side, S4S = Finished All Sides.

ADD 2

FASTENER SCHEDULE

Location	Diameter in	No./ Connection	Finish	Length in
Timber Bolted Connections (Heavy Hex unless otherwise noted)				
Guide Pile Top Connection	1"	1	Hot Dip Galv.	
Guide Pile Standoff Brackets	1"	4	Hot Dip Galv.	
Ladder Brackets	3/4"	See detail	Hot Dip Galv.	
Threaded Rod				
Fender Pile Top Connection	1"	1	Hot Dip Galv.	
Timber Cap to Granite	1"	1	Hot Dip Galv.	
Pile Chocks	1"	2 (min), 1per 4'	Hot Dip Galv.	
Pile Walers	1"	2 (min), 1per 4'	Hot Dip Galv.	
Ladder Wale	1"	2 per wale	Hot Dip Galv.	
Ladder Rungs	3/4"	6 total	Hot Dip Galv.	
Lag Bolts				
Sheathing Framing	1"	2 per plank at each waler connection	Hot Dip Galvanized "Weather Tuff" Timber Bolts Sea Port Marine (800) 446-8056, or Equal	

Length to suit construction

PILE SCHEDULE

Elevations based on NAVD88 Datum

Location	Pile	Pile Type	Bid Item	Approx. Cutoff Elev.	Approx. Ground Elev.	Pile Embedment*	Pile Tip Elevation	Est. Pile Length	Pile Order Length	Quantity	Total Pile Length
Greeenheart Piles - Base Bid											
Guide Piles	P1-P7	Greenheart	501.203	12.5	-7.0	6.0	-13.0	26	30	7	210
Fender Piles	P8-P12	Greenheart	501.204	8.3	-8.0	6.0	-14.0	22	25	5	125
									Approximate Total Pile Length		335
									No. of Piles		12
									Avg Pile Length FT		27.9
Oak Piles - Alternate Bid Item - UNIT PRICE ITEM											
Bulkhead Fender Piles	All Other	OAK	501.19	12.5	-8.0	6.0	-14.0	27	30	--	30

*Piles shall be driven to minimum 6' embedment, or to refusal if ledge is encountered prior to reaching the specified minimum embedment.

FLOAT SCHEDULE

Unit		New Float No.	Width FT	Length FT	Float Area SF	Connection Requirements: Pile Guide	End	Side	Cleats (See Specification Below)
EF	1	---	---	---	---	---	---	1	
PF	1	1	8	20	160	2	2	---	2 Type A on outer face
PF	2	1	8	20	160	2	2	---	2 Type A on outer face
Total New		2			320	4	4	1	

Cleat Size/specification (Hot Dip Galvanized; Seaport Marine (800) 436-4400 or approved equal)
Type A = 12 in SPC 190 Ship

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Civil, Marine, and Structural Engineering
7 Spruce Road • Freeport • Maine • 04032 • 207-846-9724 • info@bakerdesignconsultants.com

NO.	DATE	BY
A	3-30-15	DJB
B	4-17-15	DJB
C	5-7-15	DJB
	ADDENDUM #2	
	FINAL PS&E	
	DRAFT PS&E SUBMISSION	

STATE OF MAINE
BARNEY J. BAKER
No. 5737
LICENSED PROFESSIONAL ENGINEER

DESIGNED BY: DJB
DRAWN BY: JJC
CHECKED BY: BJB
SCALE: AS SHOWN

SHEET TITLE: STRUCTURAL NOTES & SCHEDULES

PROJECT: PUBLIC LANDING IMPROVEMENTS
TOWN OF CAMDEN
CAMDEN, MAINE

DATE MAR 2015
CONTRACT NO. 14-15
SHEET NO. S-1
REV. C

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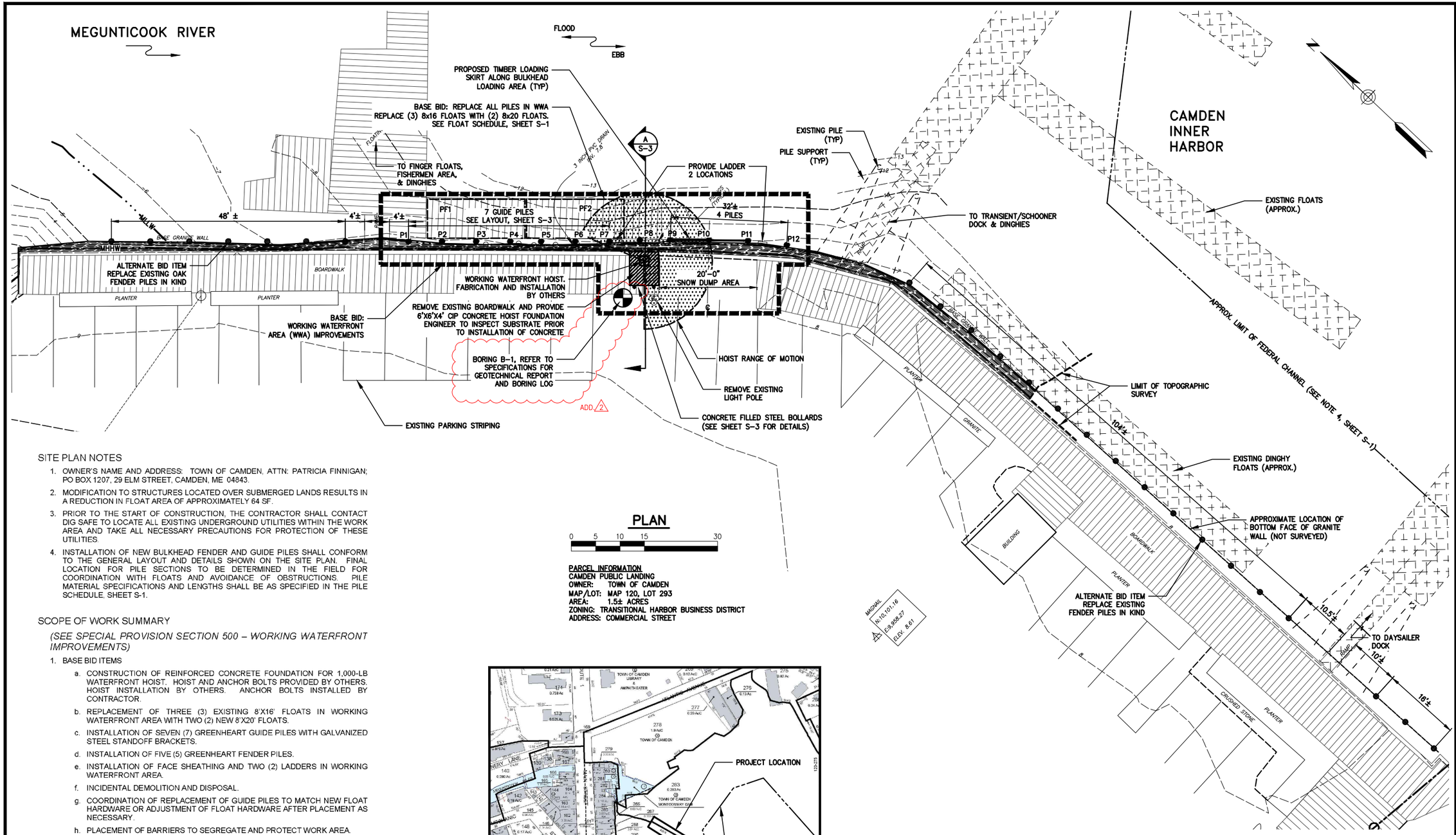

SITE PLAN NOTES

1. OWNER'S NAME AND ADDRESS: TOWN OF CAMDEN, ATTN: PATRICIA FINNIGAN; PO BOX 1207, 29 ELM STREET, CAMDEN, ME 04843.
2. MODIFICATION TO STRUCTURES LOCATED OVER SUBMERGED LANDS RESULTS IN A REDUCTION IN FLOAT AREA OF APPROXIMATELY 64 SF.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT DIG SAFE TO LOCATE ALL EXISTING UNDERGROUND UTILITIES WITHIN THE WORK AREA AND TAKE ALL NECESSARY PRECAUTIONS FOR PROTECTION OF THESE UTILITIES.
4. INSTALLATION OF NEW BULKHEAD FENDER AND GUIDE PILES SHALL CONFORM TO THE GENERAL LAYOUT AND DETAILS SHOWN ON THE SITE PLAN. FINAL LOCATION FOR PILE SECTIONS TO BE DETERMINED IN THE FIELD FOR COORDINATION WITH FLOATS AND AVOIDANCE OF OBSTRUCTIONS. PILE MATERIAL SPECIFICATIONS AND LENGTHS SHALL BE AS SPECIFIED IN THE PILE SCHEDULE, SHEET S-1.

SCOPE OF WORK SUMMARY

(SEE SPECIAL PROVISION SECTION 500 – WORKING WATERFRONT IMPROVEMENTS)

1. BASE BID ITEMS
   a. CONSTRUCTION OF REINFORCED CONCRETE FOUNDATION FOR 1,000-LB WATERFRONT HOIST. HOIST AND ANCHOR BOLTS PROVIDED BY OTHERS. HOIST INSTALLATION BY OTHERS. ANCHOR BOLTS INSTALLED BY CONTRACTOR.
   b. REPLACEMENT OF THREE (3) EXISTING 8'X16' FLOATS IN WORKING WATERFRONT AREA WITH TWO (2) NEW 8'X20' FLOATS.
   c. INSTALLATION OF SEVEN (7) GREENHEART GUIDE PILES WITH GALVANIZED STEEL STANDOFF BRACKETS.
   d. INSTALLATION OF FIVE (5) GREENHEART FENDER PILES.
   e. INSTALLATION OF FACE SHEATHING AND TWO (2) LADDERS IN WORKING WATERFRONT AREA.
   f. INCIDENTAL DEMOLITION AND DISPOSAL.
   g. COORDINATION OF REPLACEMENT OF GUIDE PILES TO MATCH NEW FLOAT HARDWARE OR ADJUSTMENT OF FLOAT HARDWARE AFTER PLACEMENT AS NECESSARY.
   h. PLACEMENT OF BARRIERS TO SEGREGATE AND PROTECT WORK AREA.
2. ALTERNATE BID ITEMS
   a. REPLACEMENT OF EXISTING OAK FENDER PILES OUTSIDE OF THE WORKING WATERFRONT AREA IN-KIND WITH NEW OAK SECTIONS AS DIRECTED BY THE OWNER. REPLACEMENT OF UP TO TWENTY FIVE (25) OAK PILES IS WILL BE PAID AT THE UNIT BID PRICE. TOTAL QUANTITY OF OAK PILES TO BE REPLACED WILL BE DETERMINED AT CONTRACT AWARD.
   b. SUBSTITUTE COMPOSITE PILE SECTIONS IN PLACE OF GREENHEART PILES IN THE WORKING WATERFRONT AREA.
3. WORK BY OTHERS
   a. FABRICATION, SUPPLY (INCLUDING ALL ASSOCIATED RIGGING, WINCHING, ELECTRICAL AND HYDRAULIC COMPONENTS), INSTALLATION (INCLUDING ELECTRICAL CONNECTION), TRIAL OPERATIONAL, AND FIELD ADJUSTMENT FOR NEW WORKING WATERFRONT HOIST ARE PART OF A SEPARATE CONTRACT AND SHALL BE PROVIDED BY OTHERS.

PLAN

0 5 10 15 30

PARCEL INFORMATION
CAMDEN PUBLIC LANDING
OWNER: TOWN OF CAMDEN
MAP/LOT: MAP 120, LOT 293
AREA: 1.5± ACRES
ZONING: TRANSITIONAL HARBOR BUSINESS DISTRICT
ADDRESS: COMMERCIAL STREET

MAGNAIL
N:10,101.16
E:9,958.27
ELEV. 8.61

TAX MAP 120

LEGEND:
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- ● P17 BASE BID FENDER / GUIDE PILES
- ⊘ ALTERNATE BID FENDER PILES
  APPROXIMATE SPACING/LOCATION SHOWN FOR REFERENCE ONLY, PILE REPLACEMENT IS IN-KIND AS DIRECTED BY THE OWNER

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NO.	REVISED SITE PLAN APPLICATION SUBMISSION	DATE	INT.
A		2-27-15	DJB
B	DRAFT PS&E	3-30-15	DJB
C	FINAL PS&E	4-17-15	DJB
D	ADDENDUM #2	5-7-15	DJB

BARNEY J. BAKER No. 5737 — STATE OF MAINE — LICENSED PROFESSIONAL ENGINEER

DESIGNED BY: DJB
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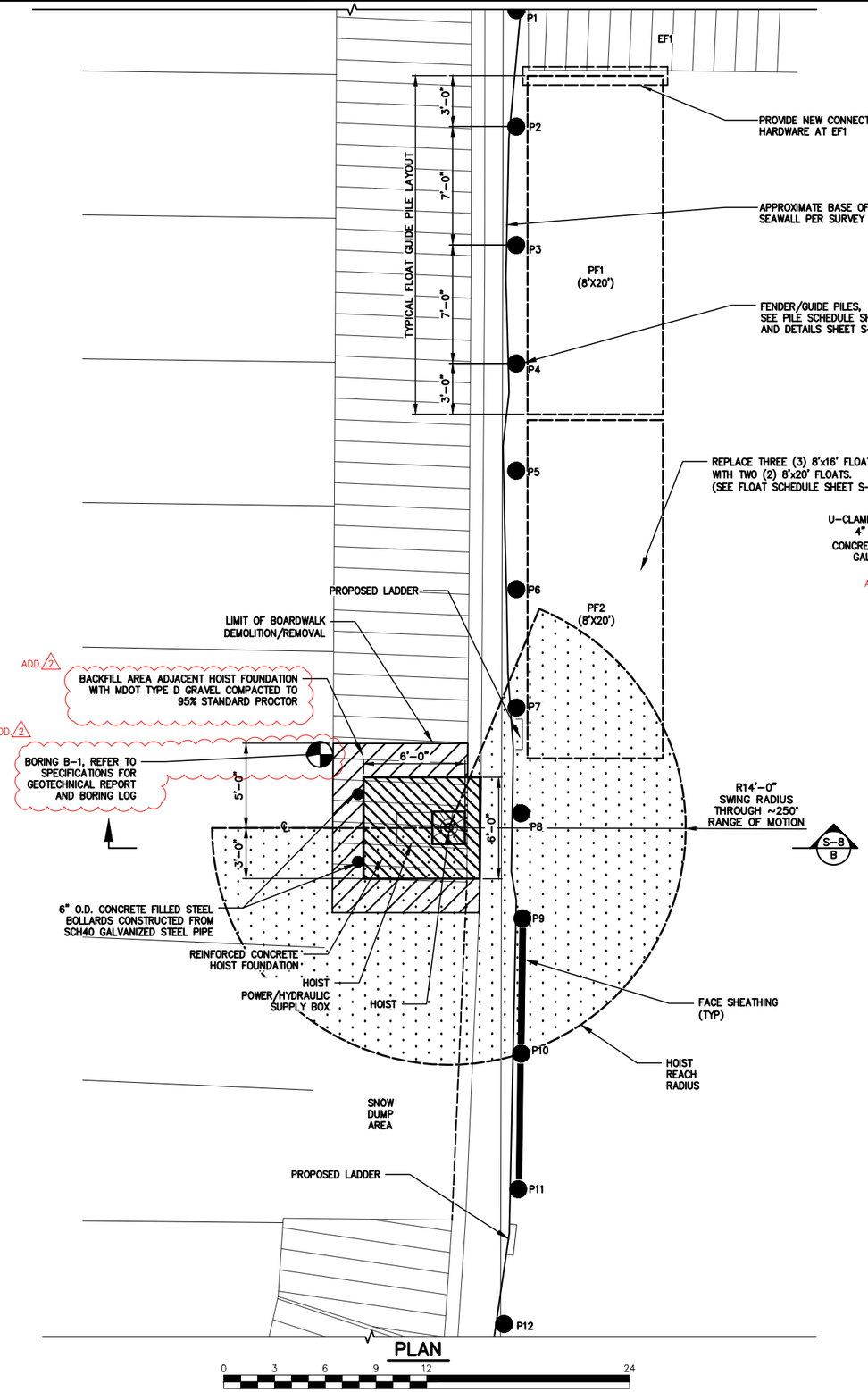
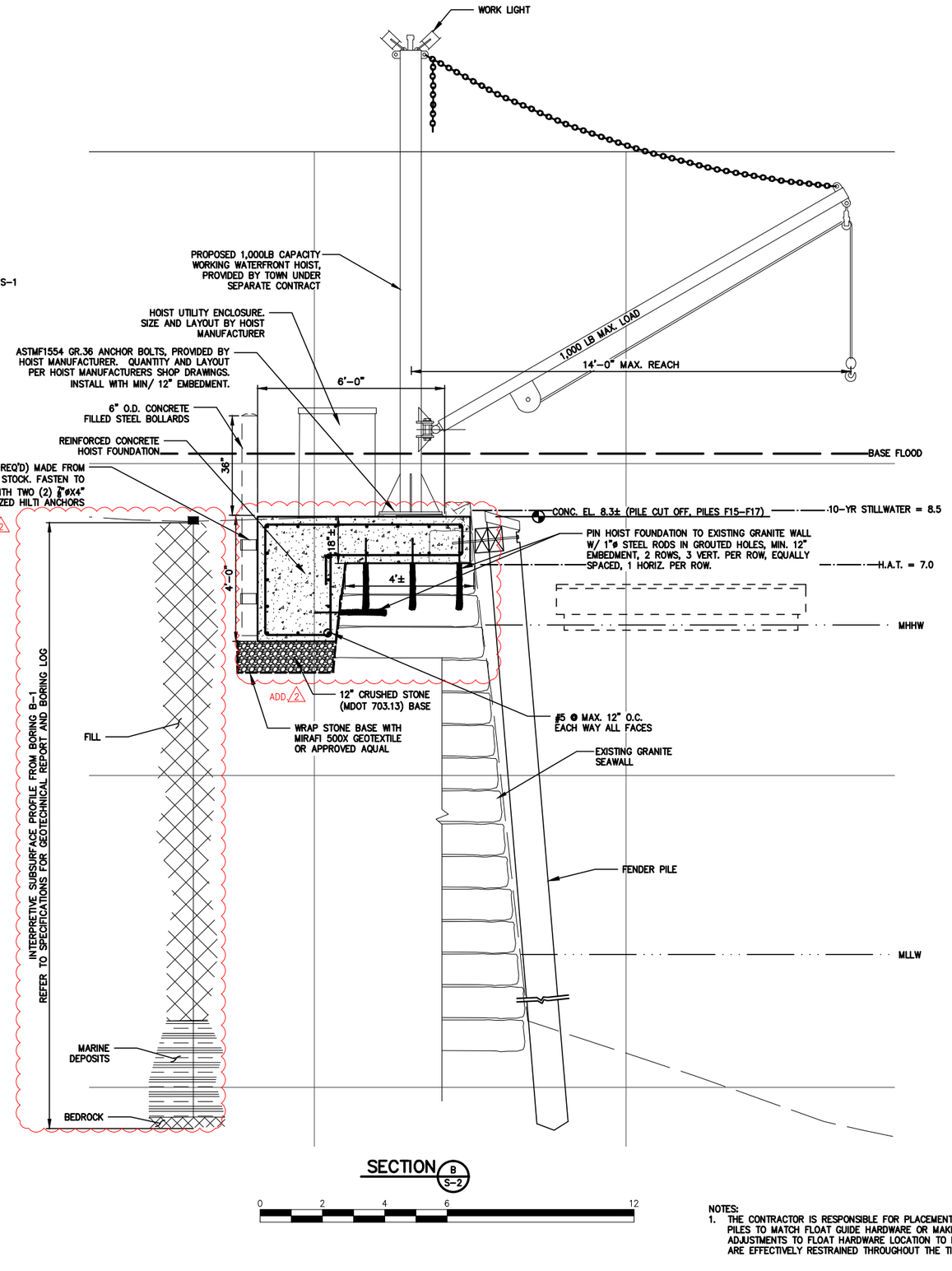
SCALE: AS SHOWN

SHEET TITLE: SITE PLAN

PROJECT: PUBLIC LANDING IMPROVEMENTS
TOWN OF CAMDEN
CAMDEN, MAINE

DATE: FEB 2015
CONTRACT NO. 14-15
SHEET NO. S-2
REV. D





NOTES:
1. THE CONTRACTOR IS RESPONSIBLE FOR PLACEMENT OF GUIDE PILES TO MATCH FLOAT GUIDE HARDWARE OR MAKING ADJUSTMENTS TO FLOAT HARDWARE LOCATION TO FLOATS ARE EFFECTIVELY RESTRAINED THROUGHOUT THE TIDE CYCLE.

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NO.	DATE	INT.
C	5-7-15	DJB
B	4-17-15	DJB
A	3-30-15	DJB
	ADDENDUM #2	
	FINAL PS&E	
	DRAFT PS&E SUBMISSION	

BARNEY J. BAKER No. 5737 LICENSED PROFESSIONAL ENGINEER STATE OF MAINE

DESIGNED BY: DJB
DRAWN BY: JJC
CHECKED BY: BJB
SCALE: AS SHOWN

SHEET TITLE: HOIST AREA PLAN & ELEVATION

PROJECT: PUBLIC LANDING IMPROVEMENTS
TOWN OF CAMDEN
CAMDEN, MAINE

DATE: MAR 2015

CONTRACT NO. 14-15

SHEET NO. S-3

REV. C

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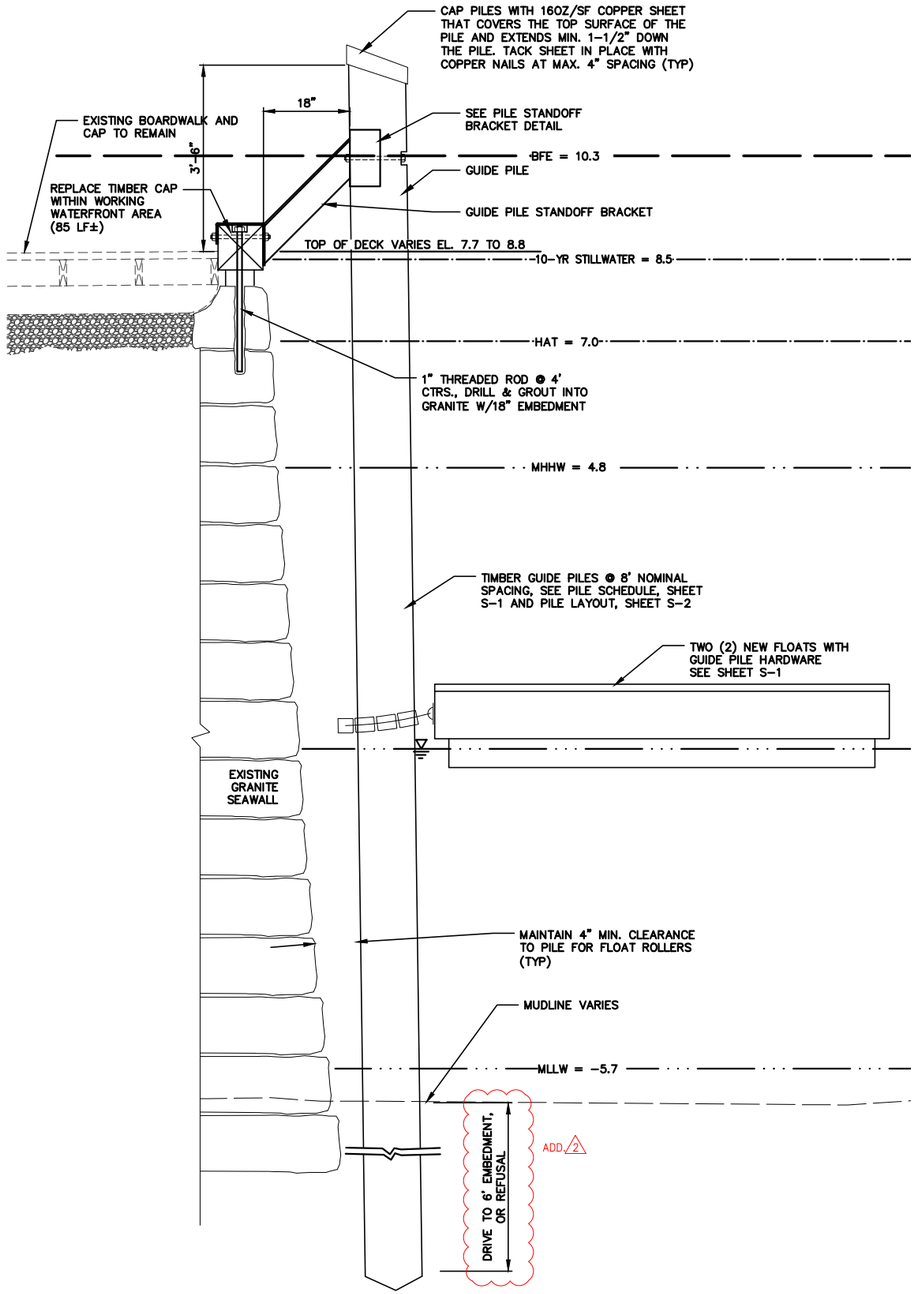
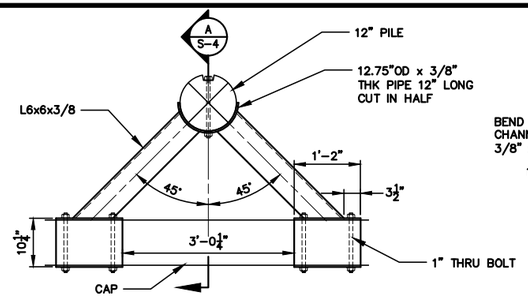
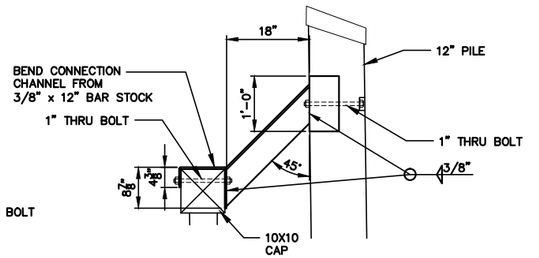


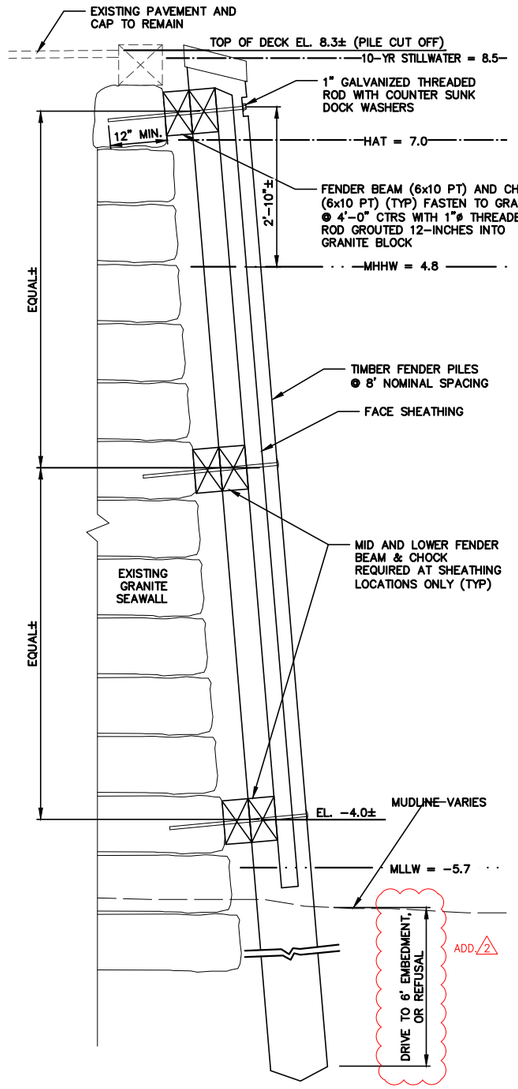
GUIDE PILE CONNECTION DETAIL PILES P1 THRU P7



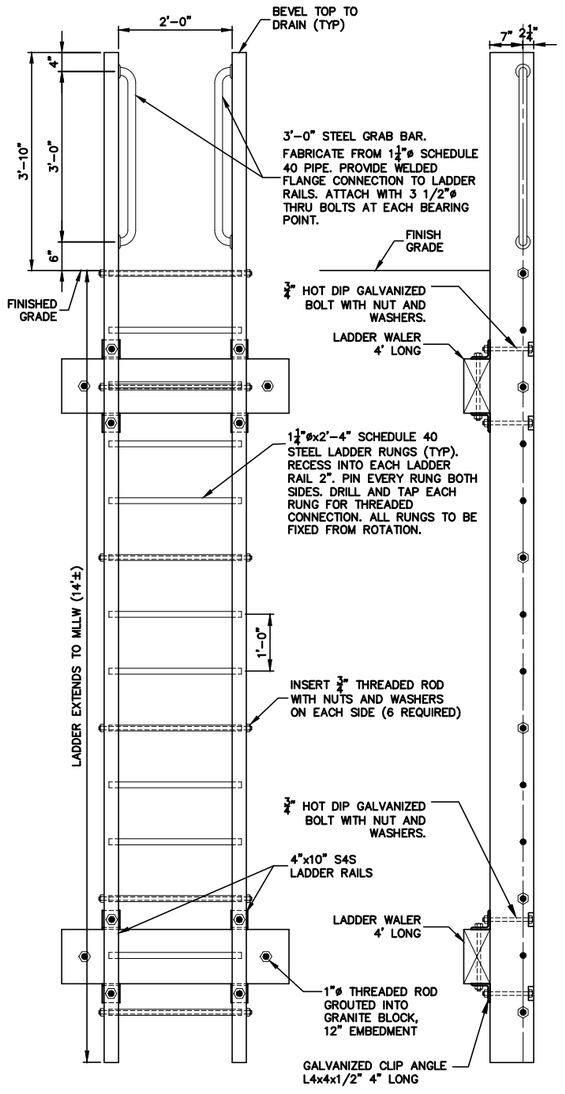
PILE STANDOFF BRACKET – PLAN



SECTION A



FENDER PILE CONNECTION DETAIL WITH FACE SHEATING AT PILES P9 THRU P11



ELEVATION — TYPICAL SECTION

LADDER DETAIL

0 1 2 3 4 8

BAKER DESIGN CONSULTANTS
Civil, Marine, and Structural Engineering
7 Spruce Road • Freeport • Maine • 04032 • 207-846-9724 • info@bakerdesignconsultants.com

NO.	DESCRIPTION	DATE	INT.
A	DRAFT PS&E SUBMISSION	3-30-15	DJB
B	FINAL PS&E	4-17-15	DJB
C	ADDENDUM #2	5-7-15	DJB

BARNEY J. BAKER No. 5737 LICENSED PROFESSIONAL ENGINEER STATE OF MAINE

DESIGNED BY: DJB
DRAWN BY: JJC
CHECKED BY: BJB
SCALE: AS SHOWN

SHEET TITLE: STRUCTURAL DETAILS

PROJECT: PUBLIC LANDING IMPROVEMENTS
TOWN OF CAMDEN
CAMDEN, MAINE

DATE: MAR 2015
CONTRACT NO.: 14-15
SHEET NO.: S-4
REV.: C

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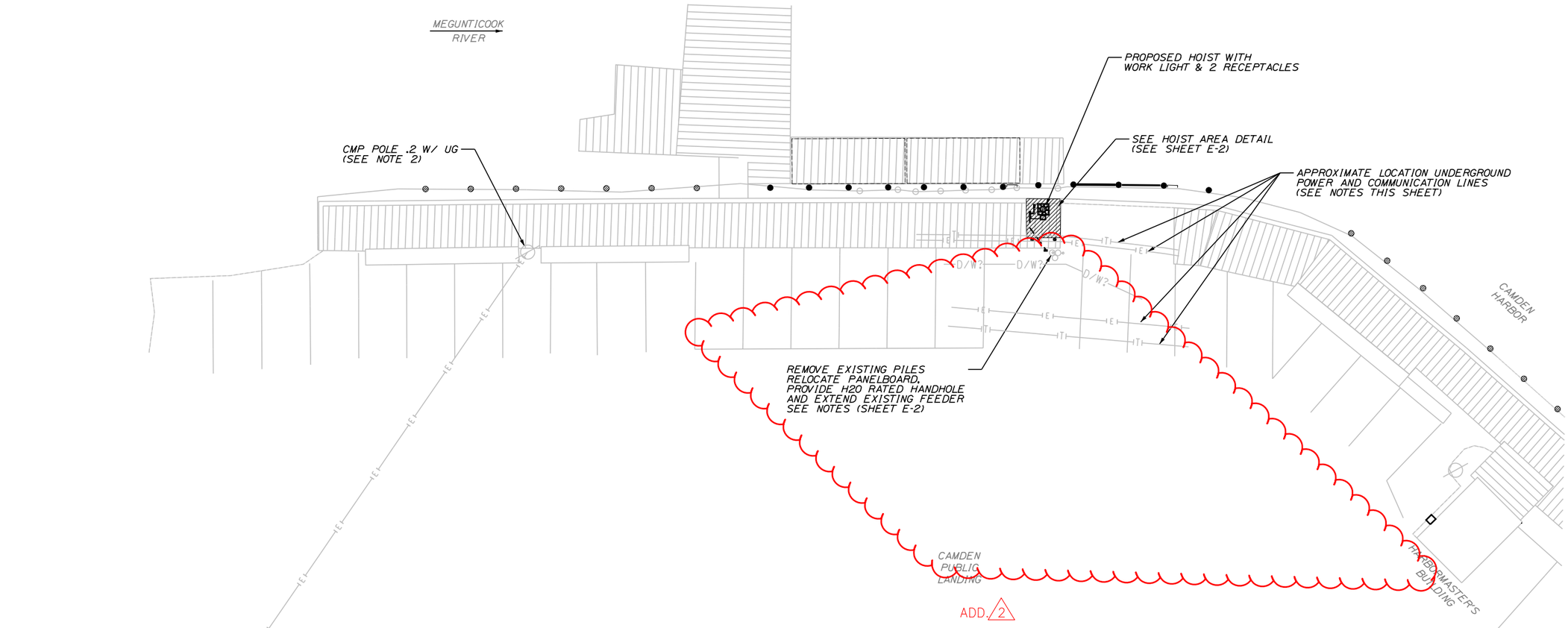


NOTES:

1. IN PREPARATION FOR A RECENT GEOTECHNICAL PROGRAM IN SUPPORT OF THIS WORK, BOTH DIGSAFE AND A PRIVATE UTILITY LOCATOR WERE CONTACTED TO LOCATE UTILITIES AT THE SITE.
   - DIGSAFE NOTED: NO CMP, NO TWC, NO H20.
   - THE PRIVATE UTILITY LOCATOR LOCATED TWO SEPARATE RUNS OF BOTH UNDERGROUND POWER AND COMMUNICATION LINES - UNDER THE BOARDWALK AND ACROSS THE PARKING SPACES IN THE LOCATION OF THE PROPOSED HOIST.
2. THE TOWN IS AWARE OF THE UNDERGROUND POWER AND COMMUNICATIONS LINES BUT THEY DO NOT HAVE ANY RECORD DRAWINGS SHOWING THEIR LOCATIONS. CMP HAS INDICATED THEY HAVE NO UNDERGROUND FACILITIES HERE, AND THAT POLE 2.2 WAS GIVEN TO THE TOWN SOME YEARS BACK SO THAT THEY (THE TOWN) COULD PUT THEIR SERVICE ON IT. FAIRPOINT INDICATED THEY HAVE A DROP IN THIS AREA.
3. THE UNDERGROUND LINE MARKED "D/W?" IS A LINE ALSO LOCATED BY THE PRIVATE UTILITY COORDINATORAT A DEPTH OF APPROXIMATELY 5 FEET. THIS COULD BE A TOWN WATER LINE OR DRAINAGE LINE.
4. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT DIGSAFE TO LOCATE ALL UTILITIES WITHIN THE WORK AREA. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES - INCLUDING THOSE IDENTIFIED BY PRIVATE UTILITY LOCATION AS PART OF THE GEOTECHNICAL PROGRAM - PRIOR TO PERFORMING INTRUSIVE WORK AT THE SITE.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STATE OF MAINE · CARL L. ANDERSON · No. 10104 · REGISTERED PROFESSIONAL ENGINEER

Carl L. Anderson	SIGNATURE
10104	P.E. NUMBER
04-21-2015	DATE

	BY	DATE
PROJ. MANAGER	P. Finnigan	
DESIGN-DETAILED	CLA	4/6/2012
CHECKED-REVIEWED	KEK	7/13/2012
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1	Addendum No. 2	5/7/2015
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

CAMDEN
PUBLIC LANDING

LIGHTING PLAN

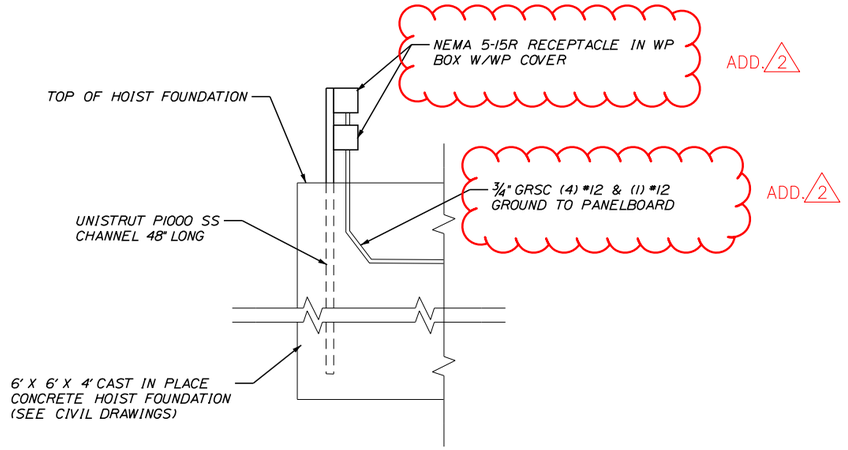
SHEET NUMBER

E-1

TY LIN INTERNATIONAL

Filename: ...\MSTA\LightingPlan_E-1.dgn Division: HIGHWAY Username: Date:5/7/2015

ADD. 2



RECEPTACLE MOUNTING DETAIL

LIGHTING NOTES:

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), TOWN OF CAMDEN REQUIREMENTS AND APPLICABLE ITEMS OF THE MOST RECENT MAINE DEPT. OF TRANSPORTATION (MEDOT) SPECIFICATIONS FOR MISCELLANEOUS CONSTRUCTION, SECTION 634- HIGHWAY LIGHTING AND STANDARD DETAILS FOR DIVISION 600 MISCELLANEOUS CONSTRUCTION UNLESS NOTED OTHERWISE.
2. WHERE CONDUIT IS REQUIRED TO PASS OVER DRAINAGE CULVERTS OR OTHER OBSTRUCTIONS AND THE SPECIFIED BURIAL DEPTH OF CONDUIT CANNOT BE MAINTAINED THE CONTRACTOR SHALL PROVIDE CONCRETE PROTECTION OF CONDUIT IN ACCORDANCE WITH NEC TABLE 300.5.
3. IN GENERAL THE SCOPE OF WORK WILL INCLUDE THE INSTALLATION OF A COMPLETE SYSTEM INCLUDING CONDUIT, CIRCUIT CONDUCTORS, GROUNDING, JUNCTION BOXES, RECEPTACLES, SUPPORTS AND RELOCATION OF EXISTING PANELBOARD, BACKFILLING, PLACEMENT OF AGGREGATE SUBBASE AND HMA, AND PAVEMENT MARKINGS ARE INCIDENTAL TO PAY ITEM 626.45.
4. DRAWINGS ARE DIAGRAMMATIC, THE ACTUAL CONDUIT , AND RECEPTACLE PLACEMENT SHALL BE SUCH AS TO NOT CONFLICT WITH ANY EXISTING OR NEW UTILITIES OR SITE FEATURES. PLACEMENT OF RECEPTACLES AND PANELBOARD AT HOIST LOCATION SHALL NOT INTERFERE WITH OPERATION OR MOVEMENT OF HOIST.

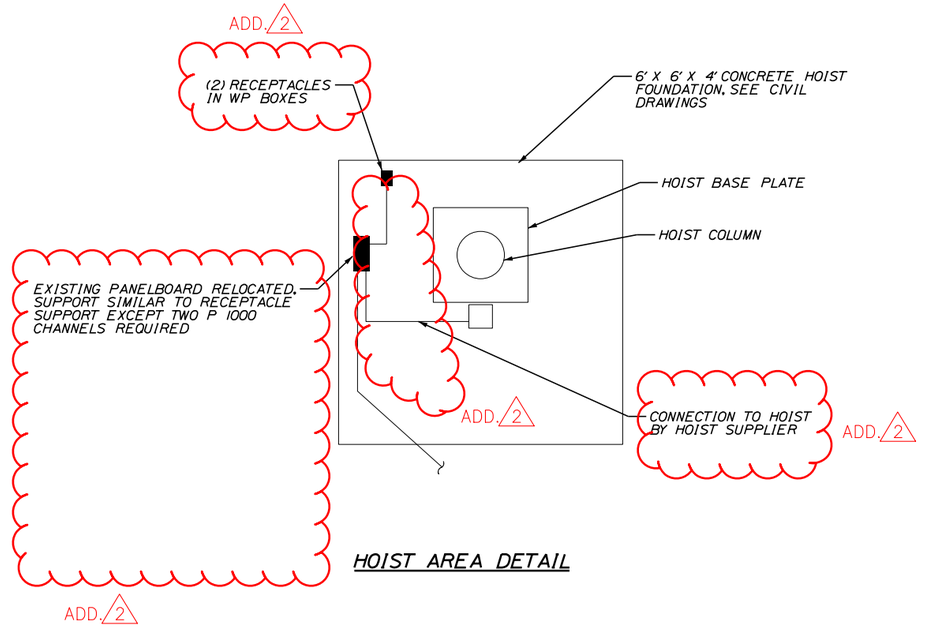
ADD. 2

5. INSTALLATION OF ALL UNDERGROUND CONDUITS WILL COMPLY WITH MAINE DOT STANDARD DETAIL 626 (07).
6. ALL CONDUCTORS SHALL BE COPPER WITH TYPE XHHW INSULATION.
7. ALL RECEPTACLES SHALL BE 15 AMP NEMA 5-15R WITH NYLON FACE AND BODY IN CAST MALLEABLE IRON GALVANIZED BOX WITH WEATHERPROOF WHILE IN-USE COVER (COOPER WIU-IVX OR EQUAL).

ADD. 2

8. THE EXISTING PILES WITH DECORATIVE LIGHTING AND RECEPTACLES (FORMERLY POLE P5 1/3) SHALL BE REMOVED. THE CONTRACTOR SHALL RELOCATE EXISTING PANELBOARD TO HOIST PAD ADJACENT TO HOIST. PROVIDE ONE 50A 2 POLE CIRCUIT BREAKER FOR HOIST POWER UNIT AND UTILIZE THE TWO EXISTING GFCI CIRCUIT BREAKERS FOR RECEPTACLES AT HOIST.
9. CONDUIT LOCATED UNDERGROUND MAY BE SCHEDULE 40 PVC. PRIOR TO RISING UP FROM BELOW GROUND TRANSITION TO RIGID TO RIGID STEEL CONDUIT. ALL EXPOSED CONDUIT SHALL BE GALVANIZED RIGID STEEL.

ADD. 2



HOIST AREA DETAIL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STATE OF MAINE · CARL L. ANDERSON · No. 10104 · PROFESSIONAL ENGINEER

Carl L. Anderson
10104 P.E. NUMBER
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FIELD CHANGES			

CAMDEN
PUBLIC LANDING

LIGHTING PLAN NOTES & DETAILS

SHEET NUMBER
E-2

TYLIN INTERNATIONAL