

# TOWN OF CAMDEN, MAINE

## CAMDEN

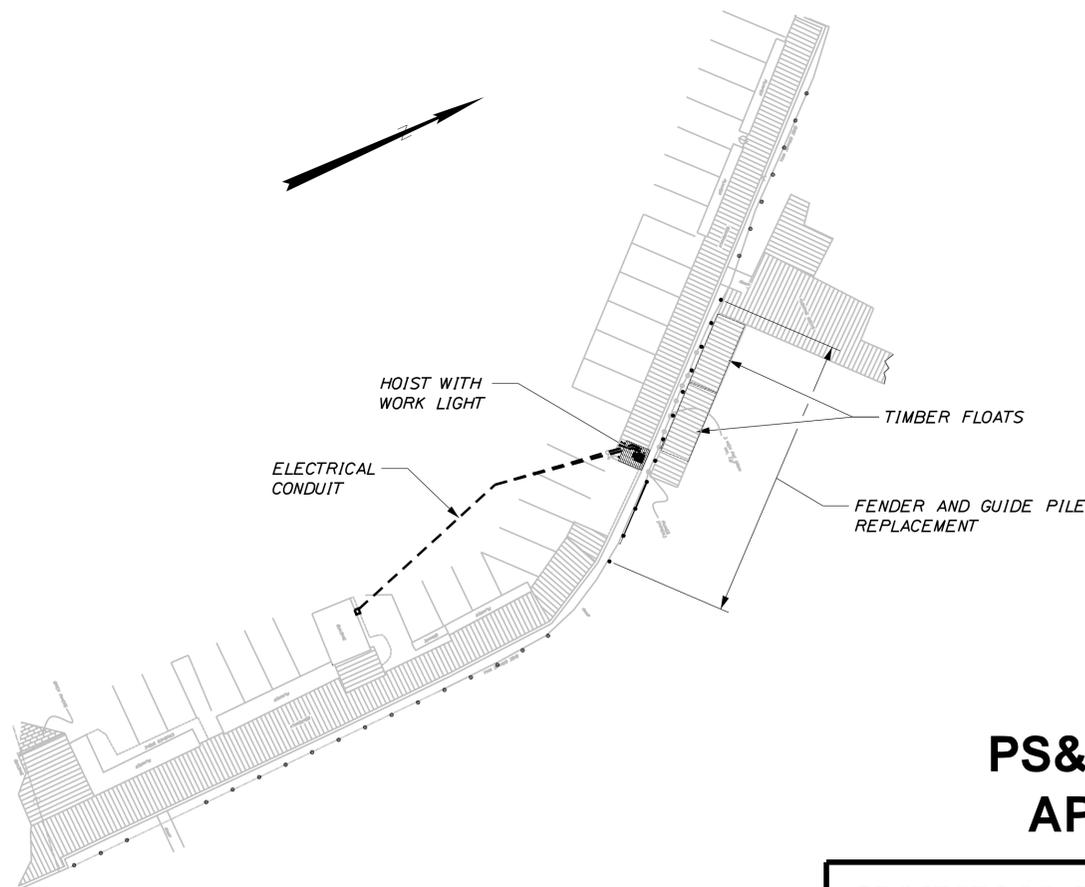
### KNOX COUNTY PUBLIC LANDING IMPROVEMENTS WIN 018534.12

#### PLAN LEGEND

Town, County, State	---	Centerline-Existing	---
Property Lines	---	Centerline-Proposed	---
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	---	Utility 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	---	Guardrail-Existing	---
		Guardrail-Proposed	---
		Guardrail-Cable, Other	---

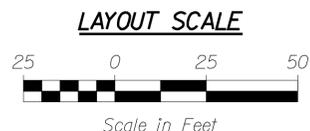
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Lighting Notes & Details	E-2



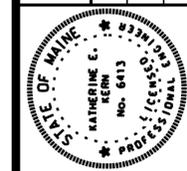
**PS&E SUBMITTAL  
APRIL 21, 2015**

**TYLIN INTERNATIONAL**



<b>PROJECT LOCATION:</b>	INTERSECTION OF MAIN STREET (U.S. ROUTE ONE) AND COMMERCIAL STREET
<b>OUTLINE OF WORK:</b>	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	



<i>Katherine E. Kern</i>	SIGNATURE
6413	P.E. NUMBER
04-21-2015	DATE

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

**CAMDEN PUBLIC LANDING  
IMPROVEMENTS**

**TITLE SHEET**

SHEET NUMBER

**T-1**

WIN 018534.12

Date: 4/21/2015

Username:

Division: HIGHWAY

Filename: ... \000\HIGHWAY\MSTA\Title.dgn

**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 DEPARTMENT OF TRANSPORTATION 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 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 GEOTECHNICAL, 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.

**PROJECT ELEVATIONS (BY DATUM)**

ELEVATION	CHART (ft)	NGVD29 (ft)	NAVD88 (ft)	Notes
Base Flood Elevation	16.1	11.0	10.3	
500 Year Stillwater	16.1	11.0	10.3	
100 Year Stillwater	15.4	10.3	9.6	FEMA Zone "AE" (Effective 1998 FIS/FIR)
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	
MHW	10.2	5.1	4.4	
NAVD88	5.7	0.7	0.0	BASED ON TIDAL BM "ROCKLAND"
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" +1/2"
  - 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        |     | 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 PILES SHALL BE Banded WITH 1/2" STAINLESS STEEL UTILITY STRAPPING BY BAND-IT IDEX INC. (800-525-0789), "GIANT BAND" PRODUCT #G44099 OR EQUAL, AND FITTED WITH BLACK, UV RESISTANT, LOW DENSITY, CONICAL, POLYETHYLENE CAPS BY FOLLANSBEE (800-223-3444) OR EQUAL. SELECT SIZE TO MATCH PILE DIAMETER AND FASTEN WITH STAINLESS STEEL SCREWS. 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.
- TIMBER STRUCTURAL MEMBERS**
1. REFER TO TIMBER SCHEDULE.
  2. ALL EXPOSED EDGES SHALL BE PLANED OR SANDED TO PROVIDE SMOOTH SURFACE.
  3. 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 3/4" 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

**TIMBER SCHEDULE**

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

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

**FASTENER SCHEDULE**

Location	Diameter in	No./ Connection	Finish	Length in
<b>Timber Bolted Connections</b> (Heavy/Hex unless otherwise noted)				
Fender Pile Top Connection	1"	1	Hot Dip Galv.	
Guide Pile Top Connection	1"	3	Hot Dip Galv.	
Guide Pile Standard Brackets	1"	4	Hot Dip Galv.	
Pile Chocks	1"	2 (min), 1 per 4'	Hot Dip Galv.	
Pile Walers	1"	2 (min), 1 per 4'	Hot Dip Galv.	
Sheathing Framing	1"	2 per plank at each waler connection	Hot Dip Galvanized "Weather Tuff" Timber Bolts Sea Port Marine (800) 446-8055, 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	Pile Quantity	Total Pile Length
Greenheart Piles - Base Bid	Guide Piles	P1-P7	Greenheart	501.203	12.5	-7.0	6.0	-13.0	26	7	210
	Fender Piles	P8-P12	Greenheart	501.204	8.3	-8.0	6.0	-14.0	22	5	125
<b>Approximate Total Pile Length</b>											335
<b>Oak Piles - Alternate Bid Item - UNIT PRICE ITEM</b>											12
<b>Bulkhead / All Other</b>											27
<b>Fender Piles</b>											30
<b>Avg Pile Length FT</b>											27.9

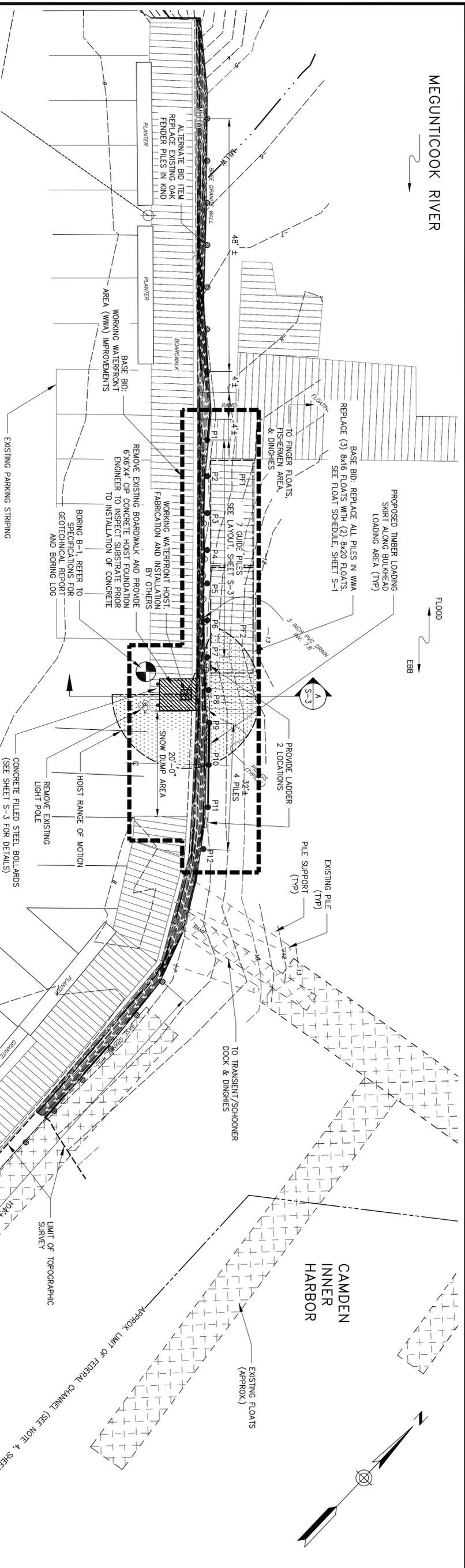
\*Piles shall be driven to minimum 6' embedment, or to refusal if ledge is encountered prior to reaching the specified minimum embedment.

**FLOAT SCHEDULE**

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

MEGUNTICOOK RIVER



**SITE PLAN NOTES**

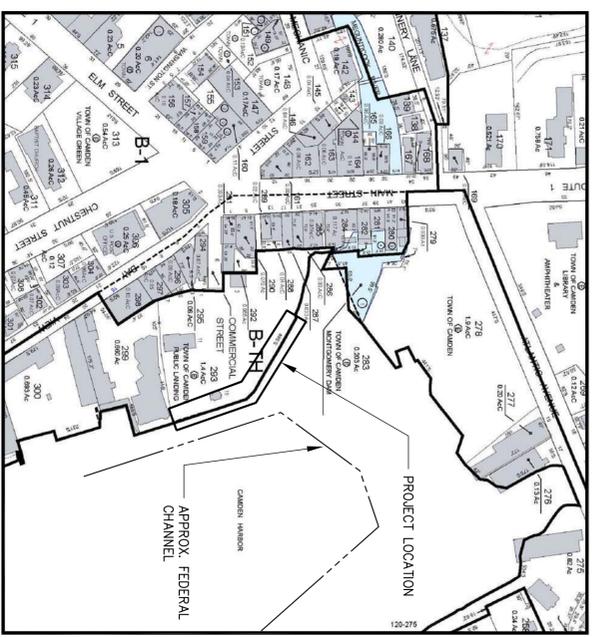
1. OWNER'S NAME AND ADDRESS: TOWN OF CAMDEN, ATTN: PATRICIA FINNIGAN, PO BOX 1207, 29 ELM STREET, CAMDEN, ME 04943.
2. MODIFICATION TO STRUCTURES LOCATED OVER SUBMERGED LANDS RESULTS IN A REDUCTION IN FLOAT AREA OF APPROXIMATELY 84 SF.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT 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 COORDINATION 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)**

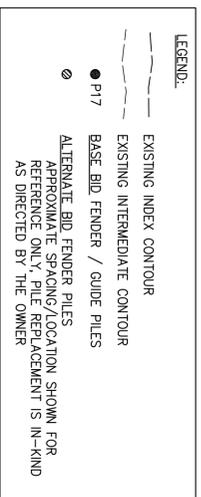
1. BASE BID ITEMS
  - a. CONSTRUCTION OF REINFORCED CONCRETE FOUNDATION FOR 1,000-LB WATERFRONT HOIST, HOIST AND ANCHOR BOLTS PROVIDED BY OTHERS, HOIST INSTALLATION BY OTHERS, ANCHOR BOLTS INSTALLED BY CONTRACTOR.
  - b. REPLACEMENT OF THREE (3) EXISTING, 8'X16' FLOATS IN WORKING WATERFRONT AREA WITH 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 REPLACEMENT FOR NEW WORKING WATERFRONT HOIST ARE PART OF A SEPARATE CONTRACT AND SHALL BE PROVIDED BY OTHERS.

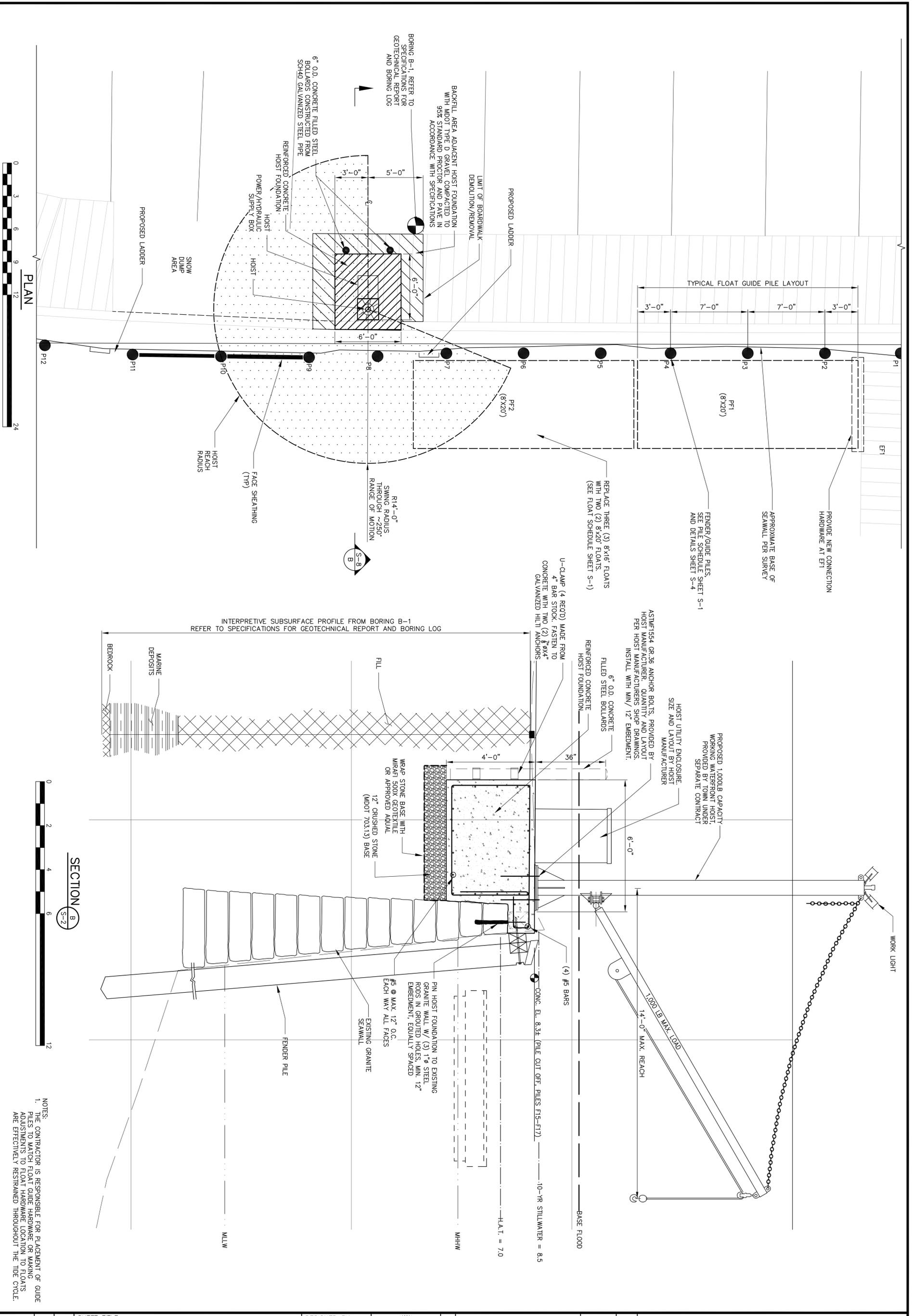


PARCEL INFORMATION:  
CAMDEN PUBLIC LANDING  
OWNER: TOWN OF CAMDEN  
MAP/LOT: MAP 120, LOT 293  
AREA: 1.32 ACRES  
ZONING: TRANSITIONAL HARBOR BUSINESS DISTRICT  
ADDRESS: COMMERCIAL STREET



TAX MAP 120

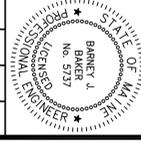


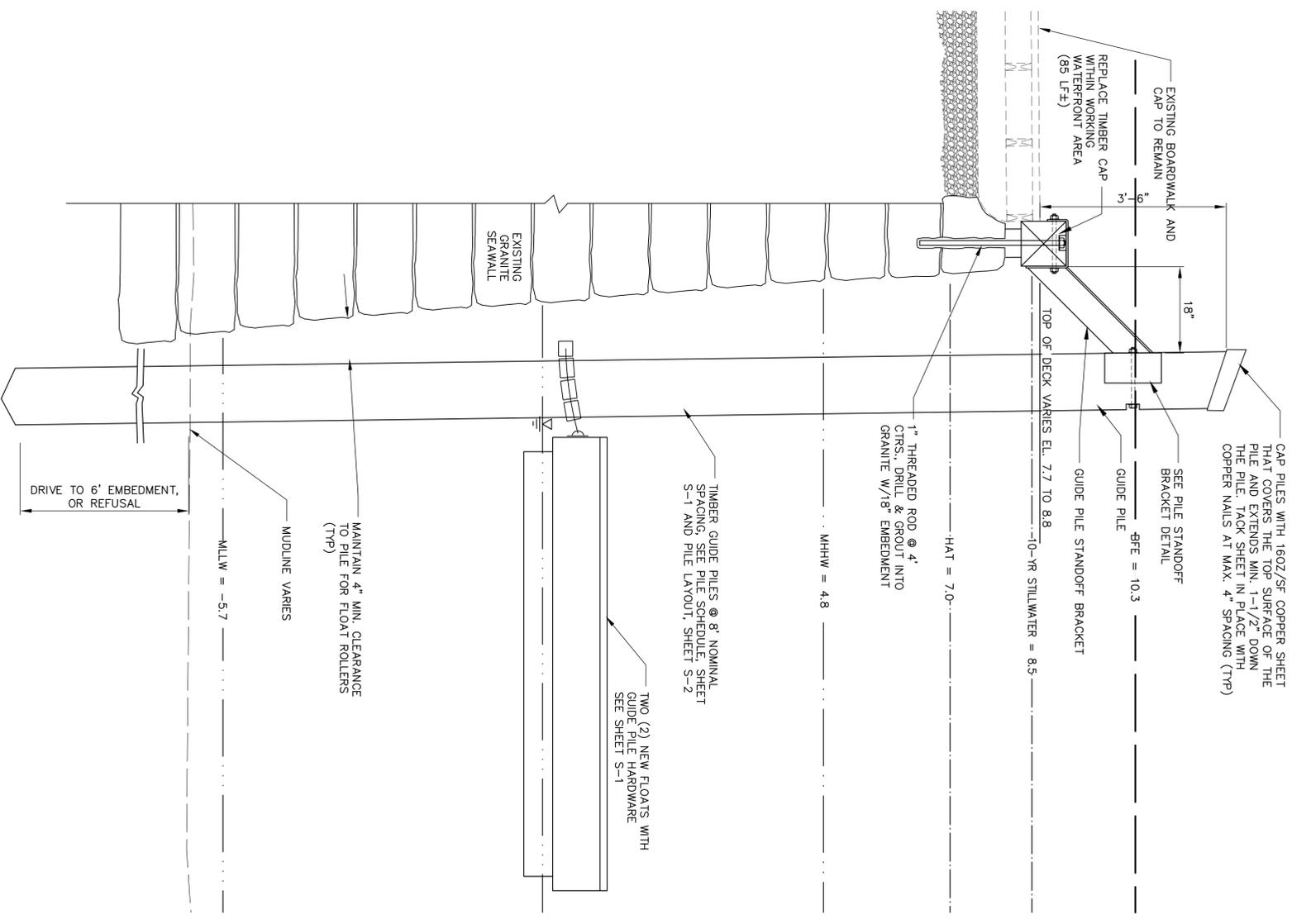


**BAKER DESIGN CONSULTANTS**  
 Civil, Marine, and Structural Engineering

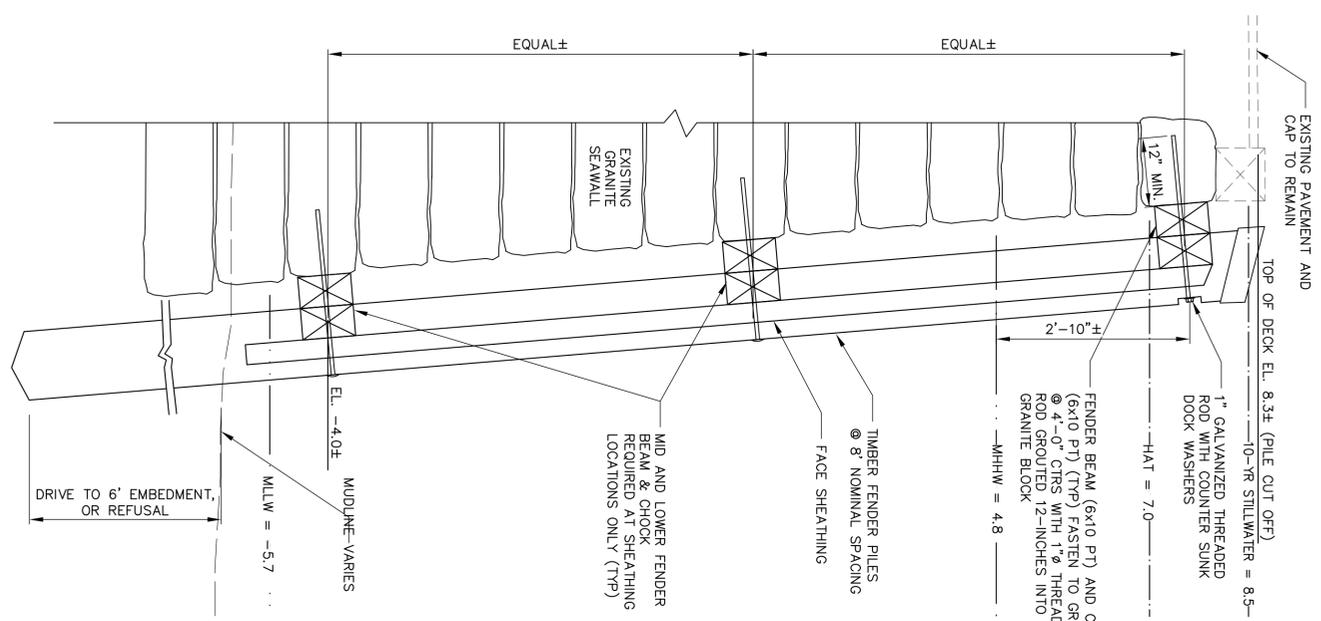
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NO.	DATE	INT.
A	4-17-15	DJB
B	3-30-15	DJB
NO.	DATE	INT.

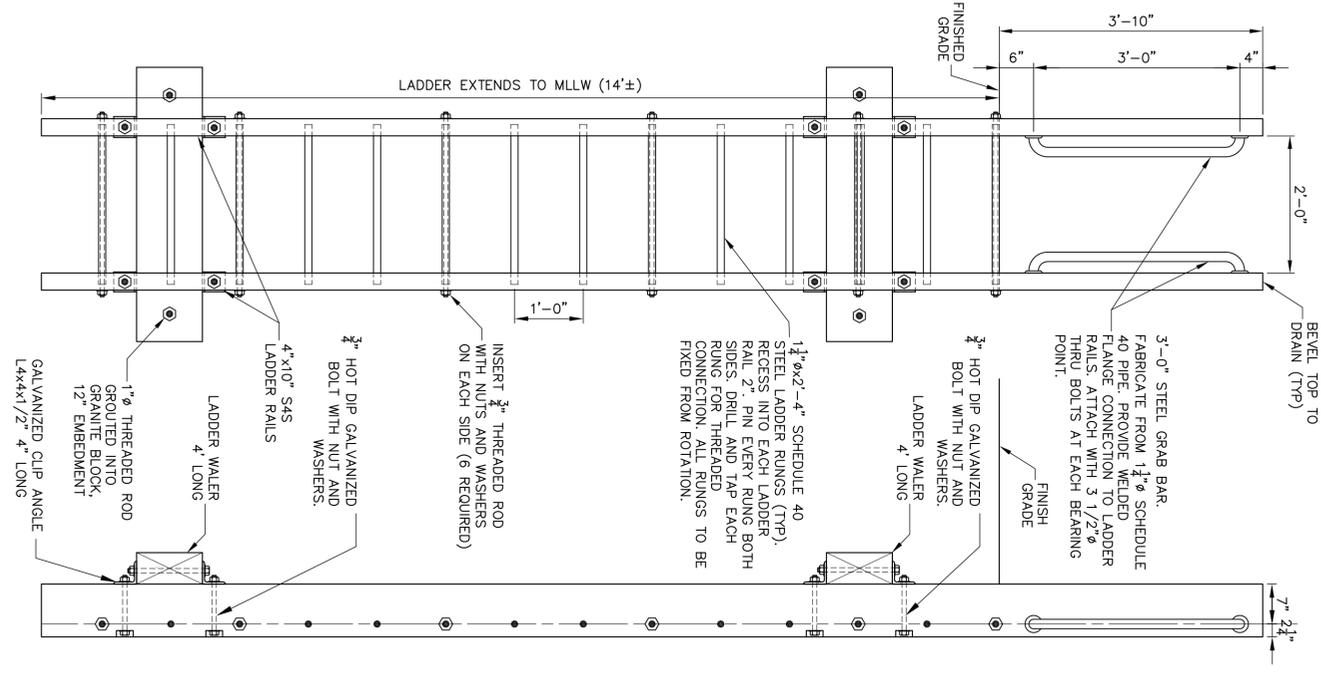
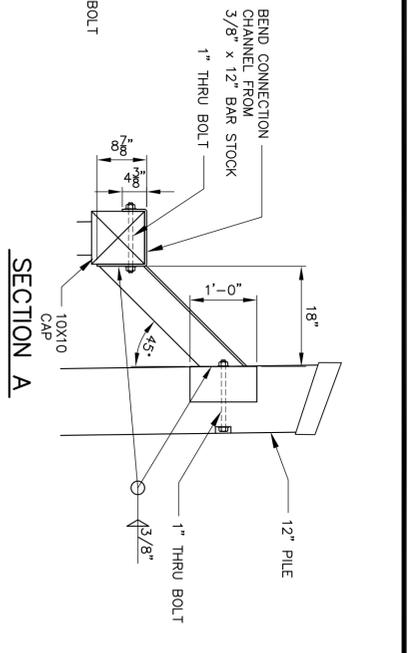
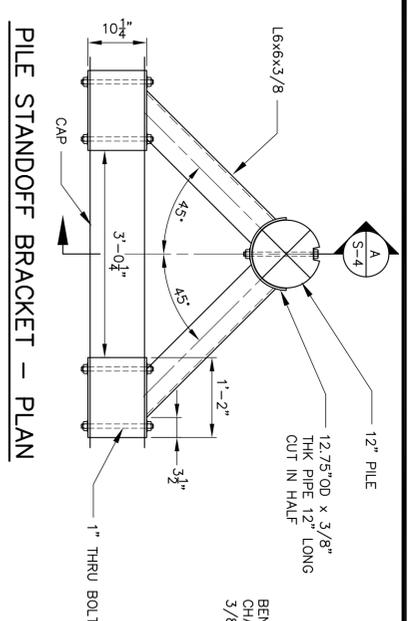




GUIDE PILE CONNECTION DETAIL PILES P1 THRU P7



FENDER PILE CONNECTION DETAIL WITH FACE SHEATHING AT PILES P8 THRU P12

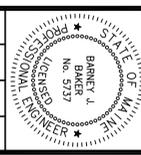


LADDER DETAIL

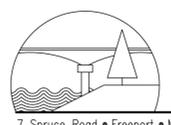


SHEET TITLE: **STRUCTURAL DETAILS**  
 PROJECT: **TOWN OF CAMDEN PUBLIC LANDING IMPROVEMENTS**  
 CAMDEN, MAINE

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



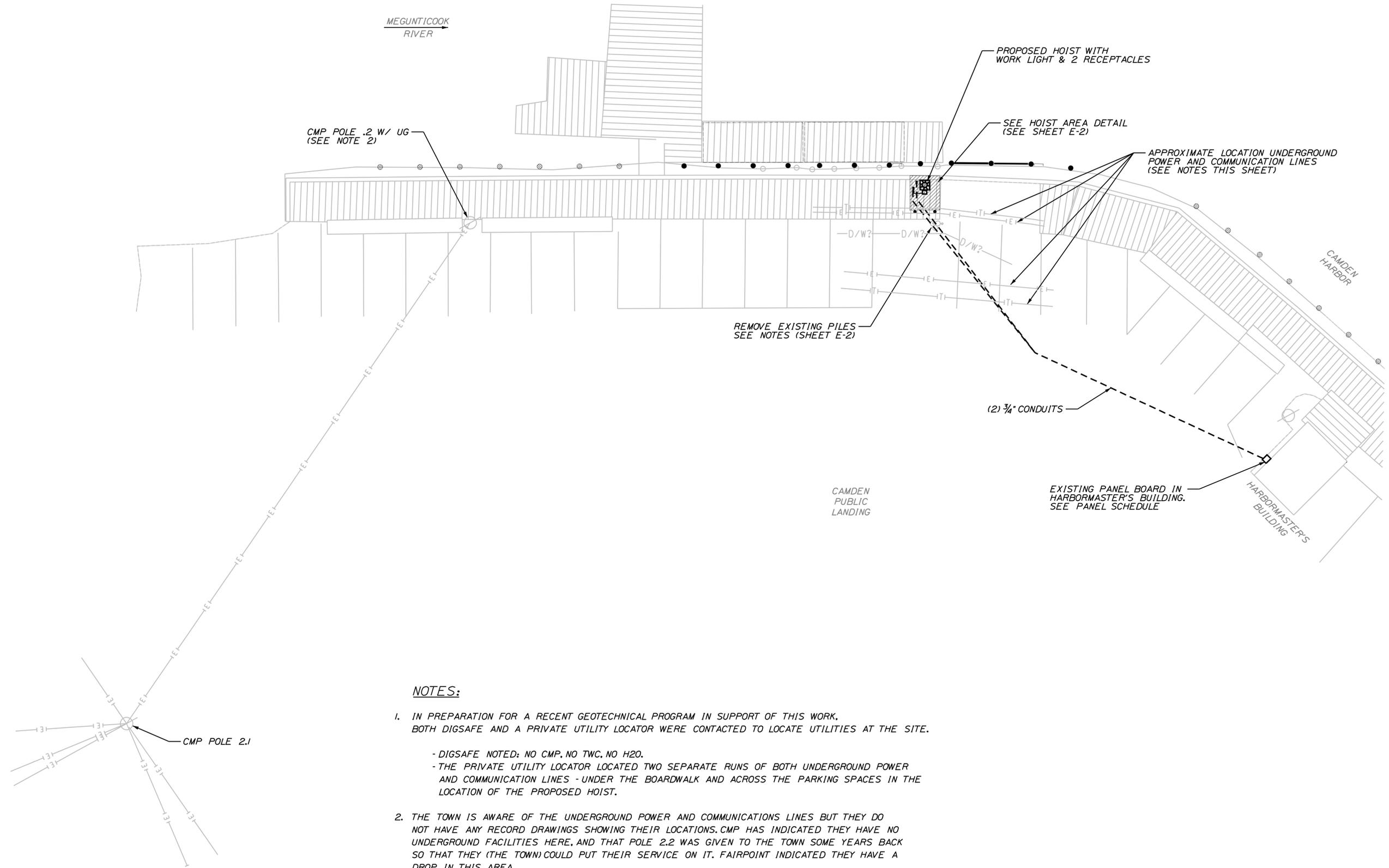
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B	4-17-15	DJB
A	3-30-15	DJB



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 Civil, Marine, and Structural Engineering

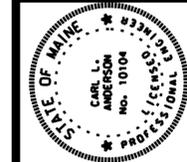
7 Spruce Road • Freeport • Maine • 04032 • 207-846-9724 • info@bakerdcs.com

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



**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 H2O.
  - 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 COORDINATOR AT 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.



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

PROJ. MANAGER	P. FINISH	BY	DATE
DESIGN DETAILED	CL.A	PEM	4/6/2012
CHECKED/REVIEWED	KEK	CL.A	7/13/2012
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

CAMDEN  
PUBLIC LANDING  
LIGHTING PLAN

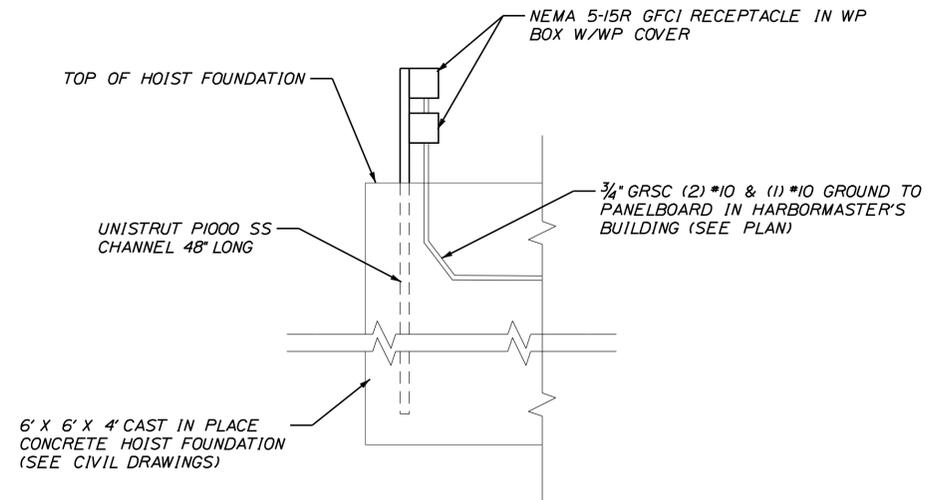
SHEET NUMBER

**E-1**



CIRCUIT DIRECTORY EXISTING PANEL			
1	(L1) EXIST. CIR. TO REMAIN	2	(L1) EXIST. CIR. TO REMAIN
3	(L2) EXIST. CIR. TO REMAIN	4	(L2) EXIST. CIR. TO REMAIN
5	(L1) WORK LIGHT 50A/2P *	6	(2) RECEPTACLES AT HOIST *
7	(L2) HOIST 50A/2P *		

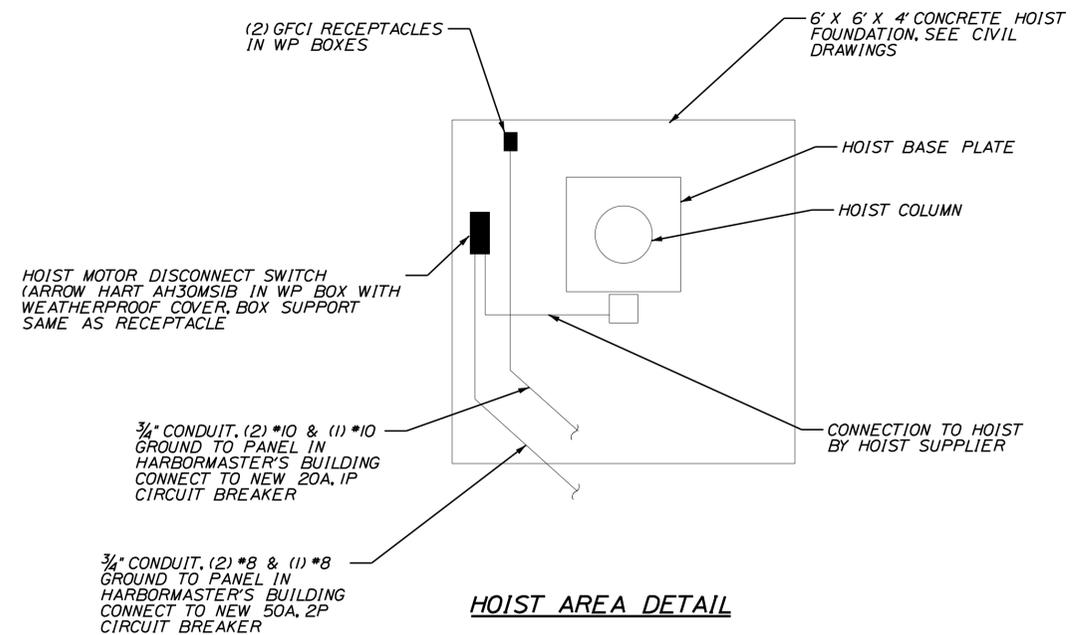
\* PROVIDE (2) GE 1" THOL CIRCUIT BREAKERS FOR NEW CIRCUITS 5/7 & 6.



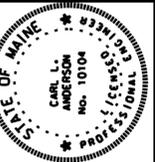
RECEPTACLE MOUNTING DETAIL

**LIGHTING NOTES:**

- 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.
- 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.
- IN GENERAL THE SCOPE OF WORK WILL INCLUDE THE INSTALLATION OF A COMPLETE SYSTEM INCLUDING CONDUIT, CIRCUIT CONDUCTORS, GROUNDING, JUNCTION BOXES, RECEPTACLES, SUPPORT OF RECEPTACLES, CONNECTION TO HOIST, WORK LIGHT AND EXISTING PANEL BOARD WORK, BACKFILLING, PLACEMENT OF AGGREGATE SUBBASE AND HMA, AND PAVEMENT MARKINGS ARE INCIDENTAL TO PAY ITEM 626.45.
- DRAWINGS ARE DIAGRAMETRIC, THE ACTUAL CONDUIT, WORK LIGHT AND RECEPTACLE PLACEMENT SHALL BE SUCH AS TO NOT CONFLICT WITH ANY EXISTING OR NEW UTILITIES OR SITE FEATURES. PLACEMENT OF RECEPTACLES AND DISCONNECT SWITCH AT HOIST LOCATION SHALL NOT INTERFERE WITH OPERATION OR MOVEMENT OF HOIST.
- INSTALLATION OF ALL UNDERGROUND CONDUITS WILL COMPLY WITH MAINE DOT STANDARD DETAIL 626 (07).
- ALL CONDUCTORS SHALL BE COPPER WITH TYPE XHHW INSULATION.
- ALL RECEPTACLES SHALL BE 15 AMP GFCI TYPE 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).
- THE EXISTING PILES WITH DECORATIVE LIGHTING AND RECEPTACLES (FORMERLY POLE P5 1/3) SHALL BE REMOVED. THE CONTRACTOR SHALL MAINTAIN ELECTRIC AND TELEPHONE SERVICES TO HARBORMASTER'S BUILDING AND DOCK/PIER FACILITIES.
- 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.



HOIST AREA DETAIL



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

PROJ. MANAGER	DATE	BY	REVISIONS
DESIGN DETAILED	4/6/2012	PEM	1
CHECKED/REVIEWED	7/13/2012	CLA	2
DESIGN DETAILED		CLA	3
REVISIONS 1			4
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

CAMDEN  
PUBLIC LANDING  
LIGHTING PLAN NOTES  
& DETAILS

SHEET NUMBER

E-2