



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

MAINE GENERAL PERMIT (GP)
AUTHORIZATION LETTER AND SCREENING SUMMARY

CHARLIE POOLE
PROPRIETORS OF UNION WHARF
36 UNION WHARF
PORTLAND, MAINE 04101

CORPS PERMIT # NAE-2017-00617
CORPS PGP ID# 17-145
STATE ID# PBR

DESCRIPTION OF WORK:

Repair the southeast portion of an existing commercial wharf in Portland Harbor at Portland, Maine.
Regulated activities include the in kind replacement of concrete decking, the installation of replacement
concrete support piles, and the installation of a cutoff wall to reinforce an existing stone retaining wall. This
work is shown on the attached plans entitled "PROPRIETORS OF UNION WHARF, PORTLAND, MAINE" in 11
sheets dated "1/13/2017".

LAT/LONG COORDINATES : 43.652873° N -70.253048° W USGS QUAD: PORTLAND WEST, ME

I. CORPS DETERMINATION:

Based on our review of the information you provided, we have determined that your project will have only minimal individual and cumulative impacts on waters and wetlands of the United States. Your work is therefore authorized by the U.S. Army Corps of Engineers under the enclosed Federal Permit, the Maine General Permit (GP). Accordingly, we do not plan to take any further action on this project.

You must perform the activity authorized herein in compliance with all the terms and conditions of the GP [including any attached Additional Conditions and any conditions placed on the State 401 Water Quality Certification including any required mitigation]. Please review the enclosed GP carefully, including the GP conditions beginning on page 5, to familiarize yourself with its contents. You are responsible for complying with all of the GP requirements; therefore you should be certain that whoever does the work fully understands all of the conditions. You may wish to discuss the conditions of this authorization with your contractor to ensure the contractor can accomplish the work in a manner that conforms to all requirements.

If you change the plans or construction methods for work within our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

Condition 37 of the GP (page 16) provides one year for completion of work that has commenced or is under contract to commence prior to the expiration of the GP on October 12, 2020. You will need to apply for reauthorization for any work within Corps jurisdiction that is not completed by October 12, 2021.

This authorization presumes the work shown on your plans noted above is in waters of the U.S. Should you desire to appeal our jurisdiction, please submit a request for an approved jurisdictional determination in writing to the undersigned.

No work may be started unless and until all other required local, State and Federal licenses and permits have been obtained. **This includes but is not limited to a Flood Hazard Development Permit issued by the town if necessary.**

II. STATE ACTIONS: PENDING [], ISSUED[], DENIED [] DATE: _____

APPLICATION TYPE: PBR: TIER 1: TIER 2: TIER 3: LURC: DMR LEASE: NA:

III. FEDERAL ACTIONS:

JOINT PROCESSING MEETING: 3/9/17 LEVEL OF REVIEW: CATEGORY 1: CATEGORY 2:

AUTHORITY (Based on a review of plans and/or State/Federal applications): SEC 10 , 404 10/404 , 103

EXCLUSIONS: The exclusionary criteria identified in the general permit do not apply to this project.

FEDERAL RESOURCE AGENCY OBJECTIONS: EPA NO, USF&WS NO, NMFS NO

If you have any questions on this matter, please contact my staff at 207-623-8367 at our Manchester, Maine Project Office. In order for us to better serve you, we would appreciate your completing our Customer Service Survey located at <http://per2.nwp.usace.army.mil/survey.html>

JAY L. CLEMENT
SENIOR PROJECT MANAGER
MAINE PROJECT OFFICE

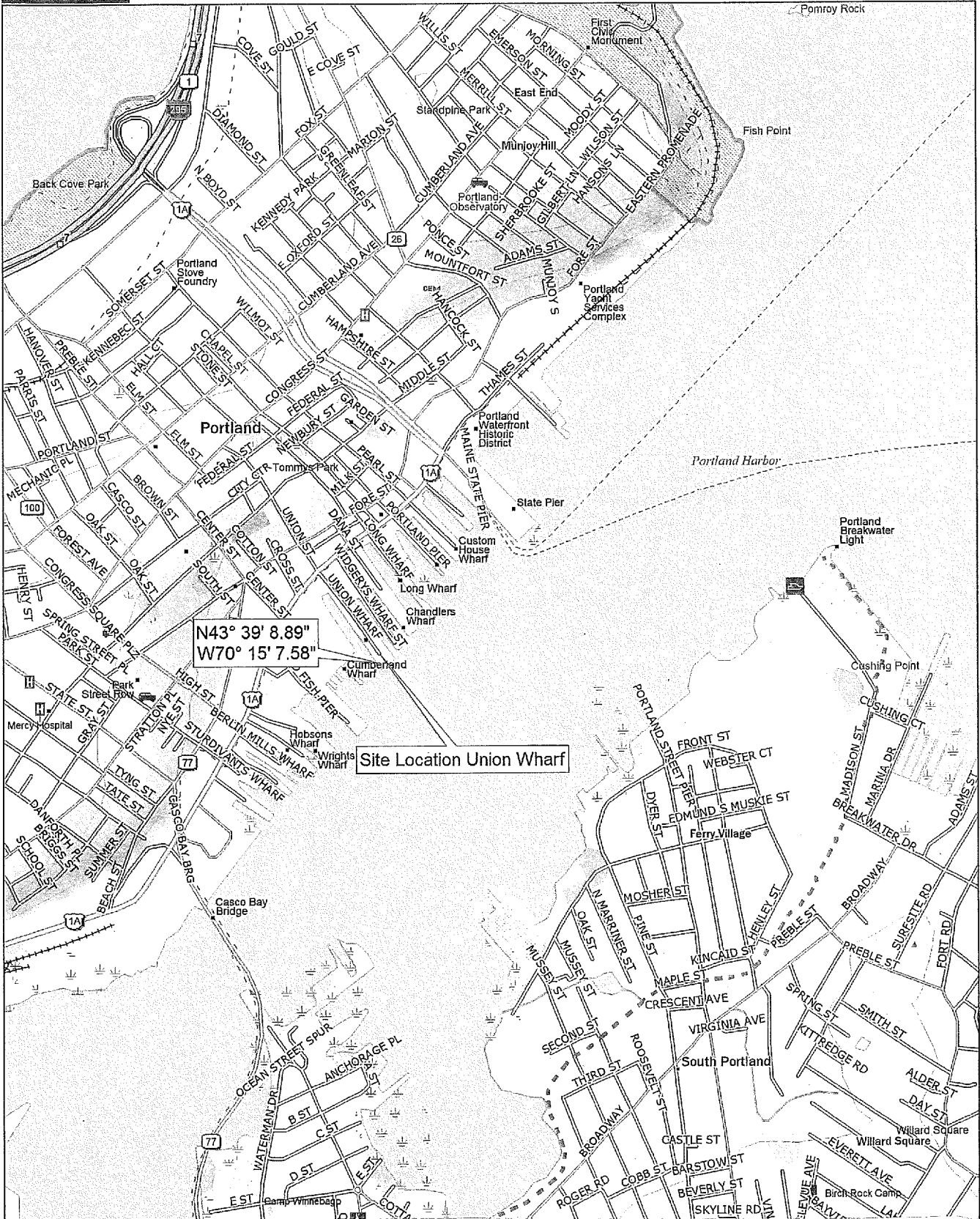
FRANK J. DEL GIUDICE
CHIEF, PERMITS & ENFORCEMENT BRANCH
REGULATORY DIVISION
DATE 4-24-2017



**US Army Corps
of Engineers®**
New England District

**PLEASE NOTE THE FOLLOWING GENERAL CONDITIONS FOR
DEPARTMENT OF THE ARMY
GENERAL PERMIT
NO. NAE-2017-00617**

1. This authorization requires you to 1) notify us before beginning work so we may inspect the project, and 2) submit a Compliance Certification Form. You must complete and return the enclosed Work Start Notification Form(s) to this office at least two weeks before the anticipated starting date. You must complete and return the enclosed Compliance Certification Form within one month following the completion of the authorized work and any required mitigation (but not mitigation monitoring, which requires separate submittals).
2. The permittee shall assure that a copy of this permit is at the work site whenever work is being performed and that all personnel performing work at the site of the work authorized by this permit are fully aware of the terms and conditions of the permit. This permit, including its drawings and any appendices and other attachments, shall be made a part of any and all contracts and sub-contracts for work which affects areas of Corps of Engineers' jurisdiction at the site of the work authorized by this permit. This shall be done by including the entire permit in the specifications for the work. If the permit is issued after construction specifications but before receipt of bids or quotes, the entire permit shall be included as an addendum to the specifications. The term "entire permit" includes permit amendments. Although the permittee may assign various aspects of the work to different contractors or sub-contractors, all contractors and sub-contractors shall be obligated by contract to comply with all environmental protection provisions of the entire permit, and no contract or sub-contract shall require or allow unauthorized work in areas of Corps of Engineers jurisdiction.
3. The new cutoff wall shall be installed in the dry during low water. Intertidal work capable of producing turbidity shall be avoided between March 15 to June 30 to minimize potential impacts to fisheries.
4. Pile driving operations shall conform to the Category 1 provisions of the Maine General Permit.
5. This permit for does not eliminate the need to obtain local harbormaster approval or conform to local harbor management plans.
6. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.



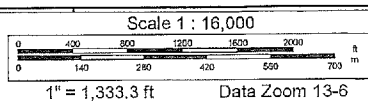
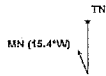
N43° 39' 8.89"
W70° 15' 7.58"

Site Location Union Wharf

PROPRIETORS OF UNION WHARF
PORTLAND, MAINE

TEC ASSOCIATES CONSULTING ENGINEERS
46 SAWYER STREET SOUTH PORTLAND, MAINE 04106

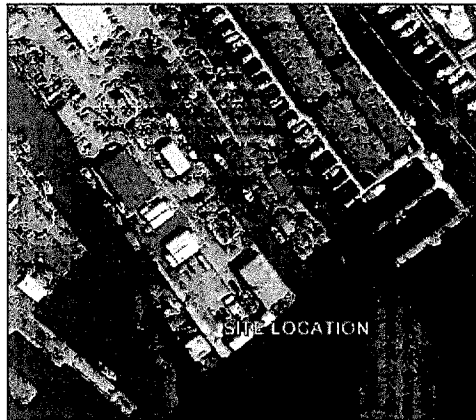
Data use subject to license.
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www.delorme.com



43.652873
-70.253048

PROPRIETORS OF UNION WHARF PORTLAND, MAINE


UNION WHARF PIER REPAIR



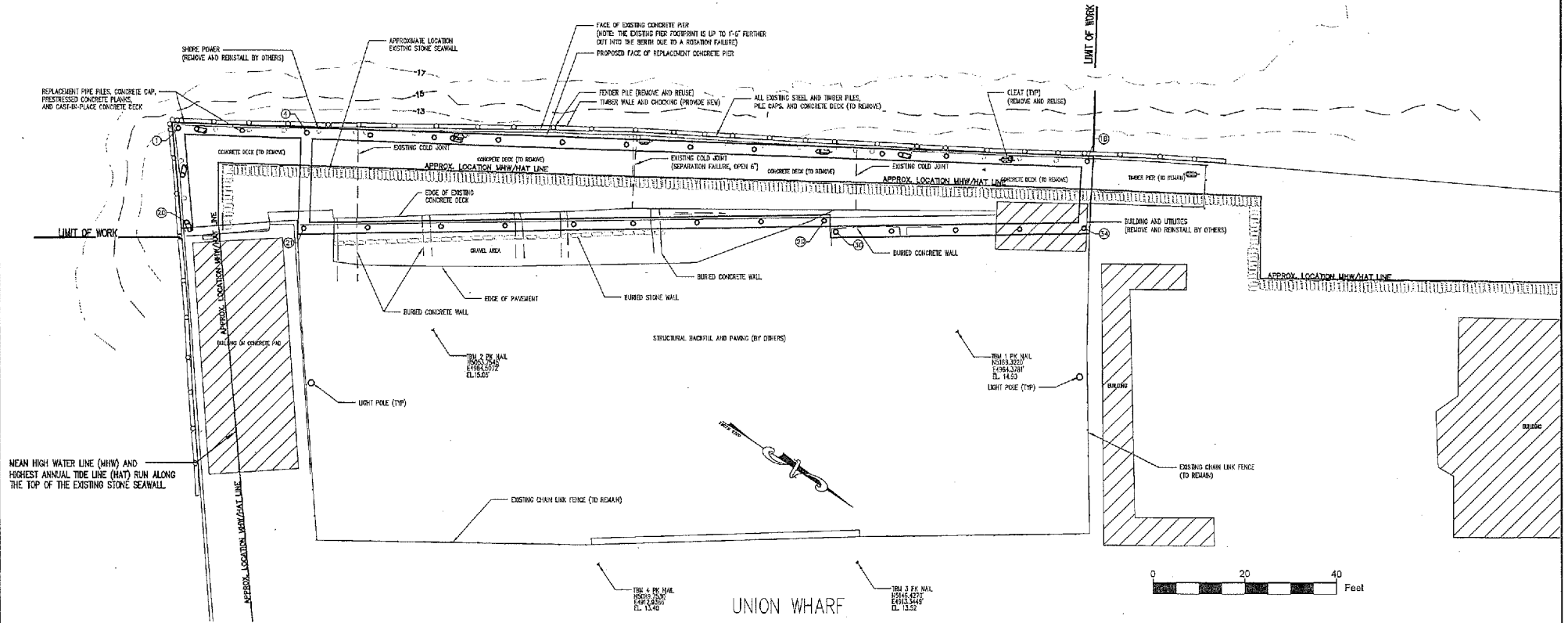
LIST OF DRAWINGS

1. SITE LAYOUT
2. PILE, CAP, AND PLANK LAYOUT
3. CAP 1, CAP 2, CAP 3, AND CAP C
4. CAP B
5. CAP A
6. CAP A AND CAP CROSS SECTIONS
7. CAST IN PLACE DECK AND PILE SECTION
8. FENDERING PLAN
9. SCOUR PROTECTION
10. HYDROGRAPHIC SURVEY
11. SIDE SCAN SURVEY

PLAN FOR PERMITTING ONLY,
NOT FOR CONSTRUCTION

PROPRIETORS OF UNION WHARF PORTLAND, MAINE	 TEC ASSOCIATES CONSULTING ENGINEERS 46 SAWYER STREET SOUTH PORTLAND, MAINE 04106								
UNION WHARF PIER REPAIR COVER	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">SCALE</td> <td style="width: 25%;">NTS</td> <td style="width: 25%;">DATE</td> <td style="width: 25%;">1/13/2017</td> </tr> <tr> <td>JOB NUMBER 15165-1</td> <td>DRAWN BY JDL & GWA</td> <td>DESIGNED BY GWA</td> <td>DRAWING NO. COVER</td> </tr> </table>	SCALE	NTS	DATE	1/13/2017	JOB NUMBER 15165-1	DRAWN BY JDL & GWA	DESIGNED BY GWA	DRAWING NO. COVER
SCALE	NTS	DATE	1/13/2017						
JOB NUMBER 15165-1	DRAWN BY JDL & GWA	DESIGNED BY GWA	DRAWING NO. COVER						

NOTE: BELOW DECK DEPTH CONTOURS NOT SHOWN FOR CLARITY.



MEAN HIGH WATER LINE (MHW) AND HIGHEST ANNUAL TIDE LINE (HAT) RUN ALONG THE TOP OF THE EXISTING STONE SEAWALL.


PILE LAYOUT DATA

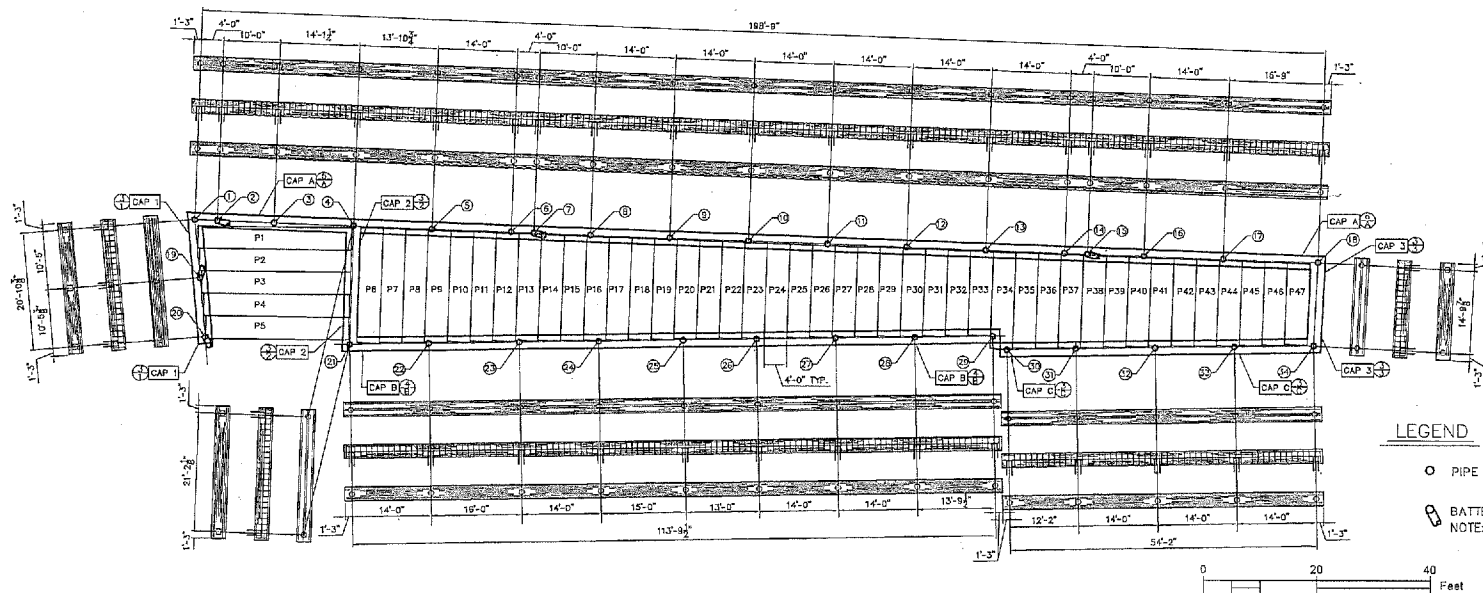
PILE	NORTHING	EASTING
1	5008.8699	4998.1742
18	5001.8989	5196.7637
20	4988.0819	4999.9270
21	4986.7549	5025.5086
29	4988.6501	5139.2897
30	4986.1921	5141.8309
34	4987.0938	5195.9983

NOTES:

- ELEVATIONS ARE BASED ON MEAN LOW WATER DATUM. DATUM ESTABLISHED BY SURVEYING THE TIDE LEVEL AT THE TIME OF LOW WATER AND ADJUSTING FOR DAILY DEVIATION.
- HYDROGRAPHIC INFORMATION AND STONE SEAWALL DEPICTED WAS COMPILED FROM A DRAWING TITLED, "HYDROGRAPHIC CONDITIONS SURVEY, UNION WHARF, PORTLAND HARBOR, PORTLAND, MAINE". PLAN PRODUCED BY HYDRO DATA, INC. CHESTER, CT. DATED MAY 11, 2016. DEPTH CONTOURS AND SEAWALL SHOWN ARE IN APPROXIMATE LOCATION ONLY.

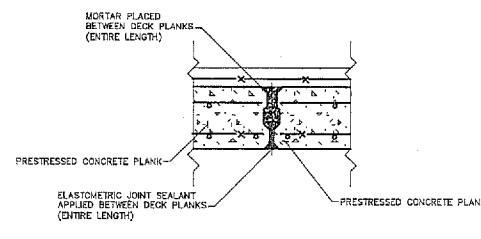
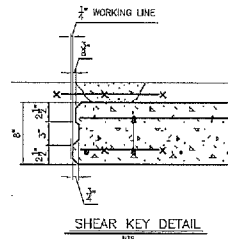
PLAN FOR PERMITTING ONLY,
NOT FOR CONSTRUCTION

PROPRIETORS OF UNION WHARF PORTLAND, MAINE		 TEC ASSOCIATES CONSULTING ENGINEERS 46 SAWYER STREET SOUTH PORTLAND, MAINE 04106	
UNION WHARF PIER REPAIR SITE PLAN		SCALE SEE GRAPHIC	DATE 1/13/2017
JOB NUMBER 15165-1	DRAWN BY JDL & GWA	DESIGNED BY GWA	DRAWING NO. 1



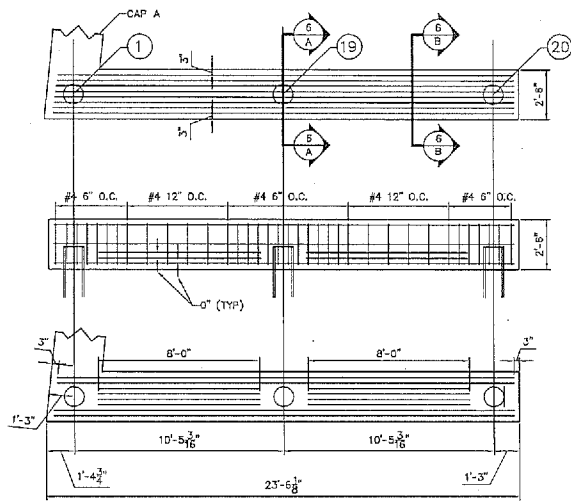
PRESTRESSED PLANK SCHEDULE - ONE EACH REQUIRED

PLANK	LENGTH	PLANK	LENGTH	PLANK	LENGTH
P1	27'-3"	P17	18'-3"	P33	14'-11"
P2	26'-10"	P18	18'-0"	P34	17'-3"
P3	26'-4"	P19	17'-10"	P35	17'-0"
P4	25'-10"	P20	17'-7"	P36	16'-10"
P5	25'-4"	P21	17'-5"	P37	16'-7"
P6	20'-6"	P22	17'-2"	P38	16'-5"
P7	20'-4"	P23	17'-0"	P39	16'-2"
P8	20'-1"	P24	16'-9"	P40	16'-0"
P9	19'-11"	P25	16'-7"	P41	15'-9"
P10	19'-8"	P26	16'-4"	P42	15'-7"
P11	19'-6"	P27	16'-2"	P43	15'-4"
P12	19'-3"	P28	15'-11"	P44	15'-2"
P13	19'-1"	P29	15'-9"	P45	14'-11"
P14	18'-10"	P30	15'-6"	P46	14'-9"
P15	18'-8"	P31	15'-4"	P47	14'-6"
P16	18'-5"	P32	15'-2"		

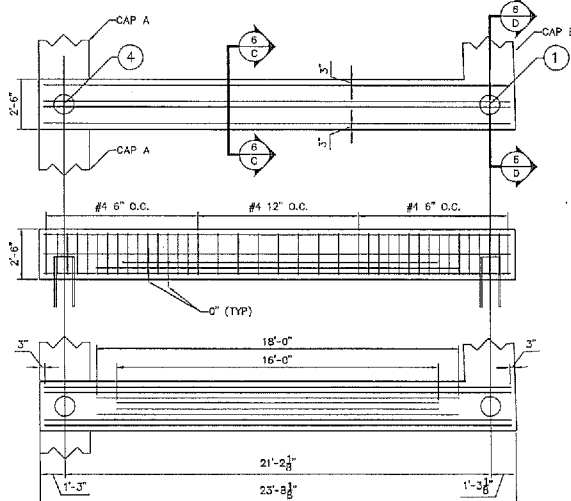


PLAN FOR PERMITTING ONLY,
NOT FOR CONSTRUCTION

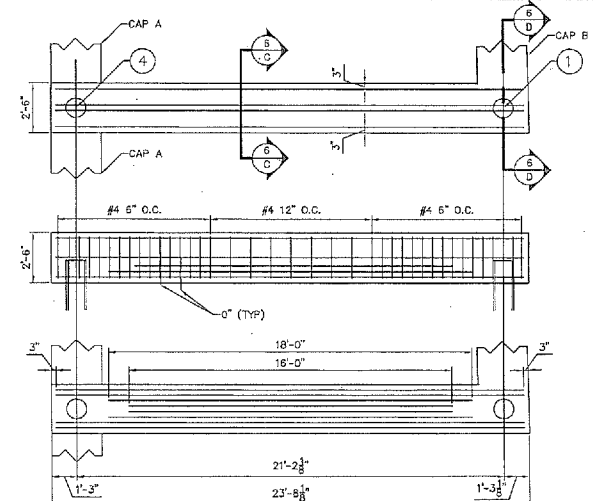
PROPRIETORS OF UNION WHARF PORTLAND, MAINE UNION WHARF PIER REPAIR PILE, CAP, AND PLANK LAYOUT		TEC ASSOCIATES CONSULTING ENGINEERS 46 SAWYER STREET SOUTH PORTLAND, MAINE 04106	
		SCALE SEE GRAPHIC JOB NUMBER 15165-1 DRAWN BY JDL & GWA	DATE 1/13/2017 DESIGNED BY GWA DRAWING NO. 2



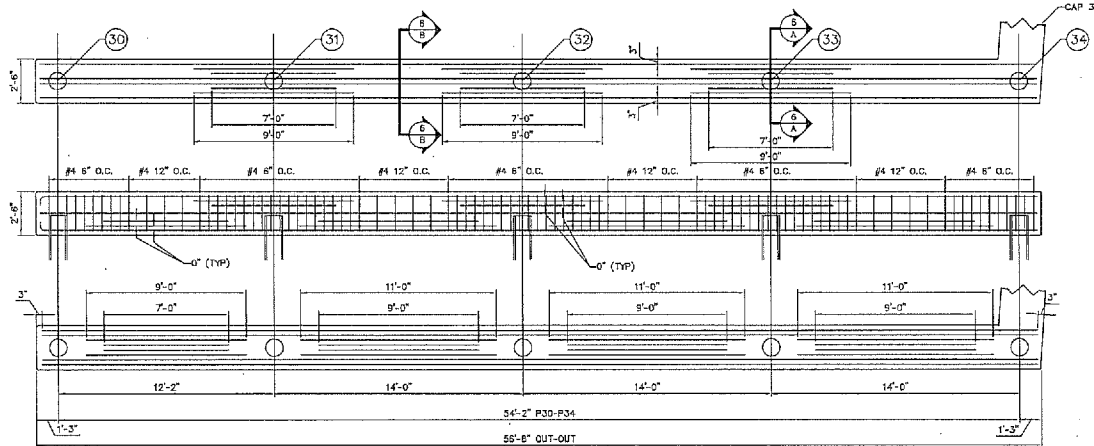
CAP 1 $\frac{3}{1}$



CAP 2 $\frac{3}{2}$




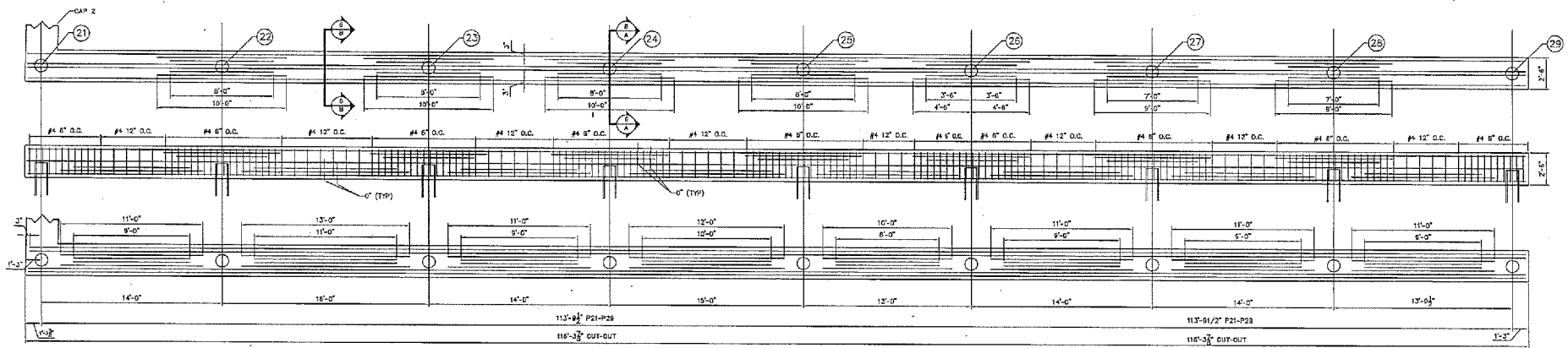
CAP 3 $\frac{3}{3}$



CAP C $\frac{3}{C}$


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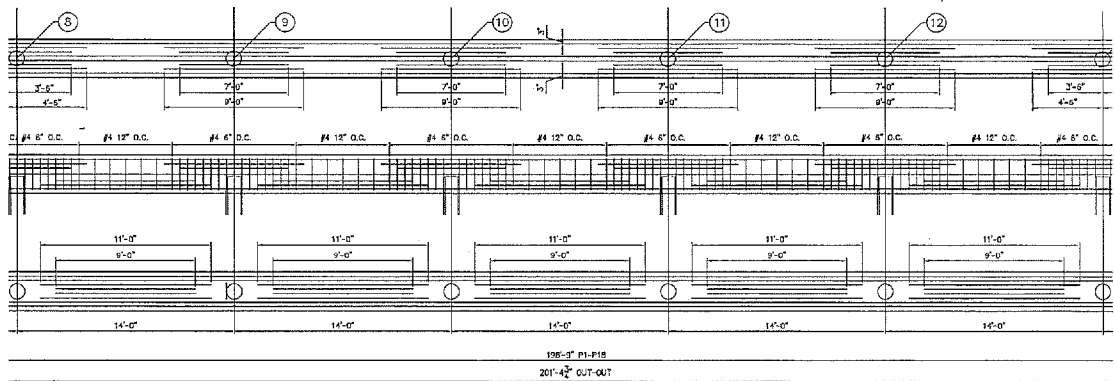
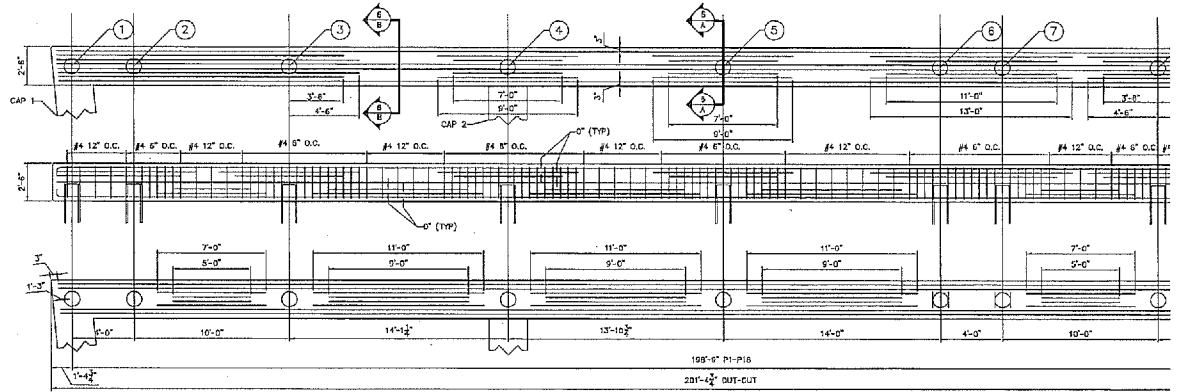
PROPRIETORS OF UNION WHARF PORTLAND, MAINE		 TEC ASSOCIATES CONSULTING ENGINEERS 46 SAWYER STREET SOUTH PORTLAND, MAINE 04106	
UNION WHARF PIER REPAIR PILE, CAP, AND PLANK LAYOUT		SCALE NTS JOB NUMBER 15165-1	DATE 1/13/2017 DRAWN BY JDL & GWA DESIGNED BY GWA DRAWING NO. 3



CAP B $\frac{4}{8}$

PLAN FOR PERMITTING ONLY,
NOT FOR CONSTRUCTION

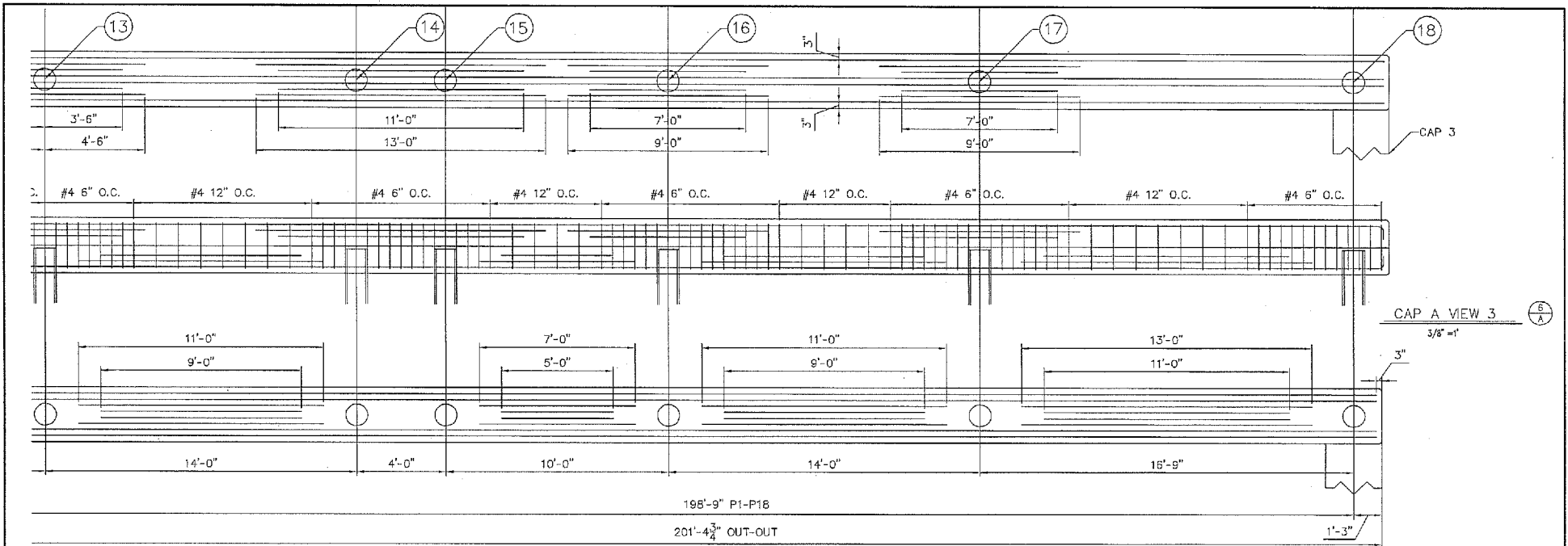
PROPRIETORS OF UNION WHARF PORTLAND, MAINE		 TEC ASSOCIATES CONSULTING ENGINEERS 46 SAWYER STREET SOUTH PORTLAND, MAINE 04105	
UNION WHARF PIER REPAIR CAP B		SCALE NTS	DATE 1/13/2017
JOB NUMBER 15165-1	DRAWN BY JDL & GWA	DESIGNED BY GWA	DRAWING NO. 4



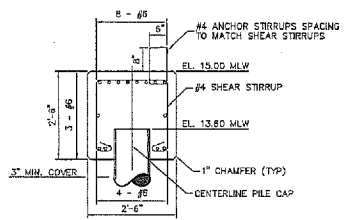
CAP A VIEW 2 S
A

PLAN FOR PERMITTING ONLY,
NOT FOR CONSTRUCTION

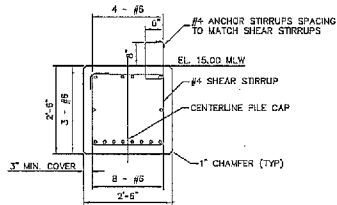
PROPRIETORS OF UNION WHARF PORTLAND, MAINE		TEC ASSOCIATES <small>46 SAWYER STREET SOUTH PORTLAND, MAINE 04106</small>		<small>CONSULTING ENGINEERS</small>
UNION WHARF PIER REPAIR CAP A		SCALE NTS <small>JOB NUMBER 15165-1</small>	DATE 1/13/2017 <small>DESIGNED BY GWA</small>	<small>DRAWN BY JDL & GWA</small> <small>DRAWING NO. 5</small>



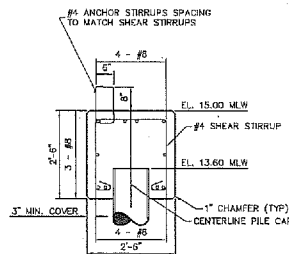
CAP A VIEW 3
3/8" = 1'



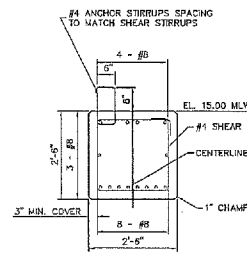
CAP A SECTION A-A
CAP B SECTION A-A
CAP C SECTION A-A
CAP 1 SECTION A-A



CAP A SECTION B-B
CAP B SECTION B-B
CAP C SECTION B-B
CAP 1 SECTION B-B




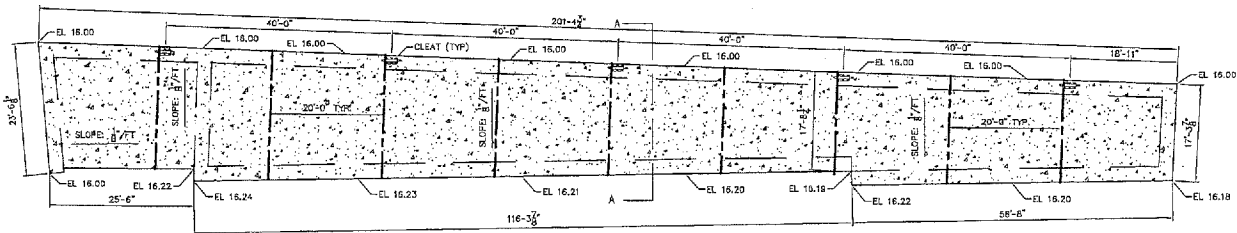
CAP 2 SECTION D-D
CAP 3 SECTION D-D



CAP 2 SECTION C-C
CAP 3 SECTION C-C

PLAN FOR PERMITTING ONLY,
NOT FOR CONSTRUCTION

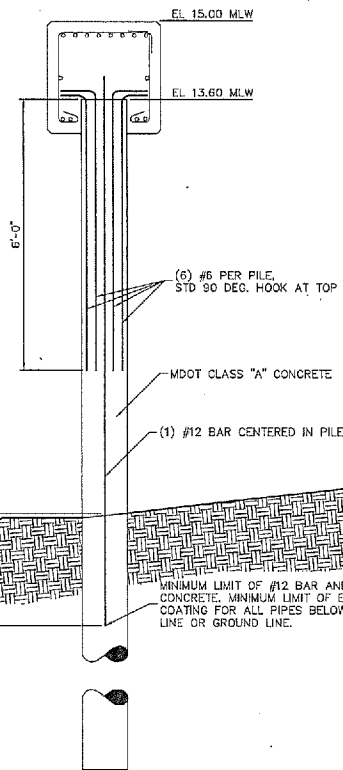
PROPRIETORS OF UNION WHARF PORTLAND, MAINE		 TEC ASSOCIATES 46 SAWYER STREET SOUTH PORTLAND, MAINE 04106		CONSULTING ENGINEERS	
UNION WHARF PIER REPAIR CAP A		SCALE NTS	DATE 1/13/2017	JOB NUMBER 15165-1	DRAWN BY JDL & GWA
		DESIGNED BY GWA	DRAWING NO. 6		



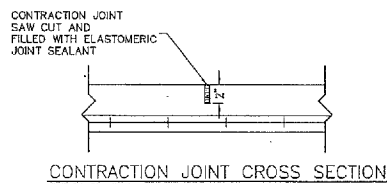
LEGEND

--- CONTRACTION JOINT

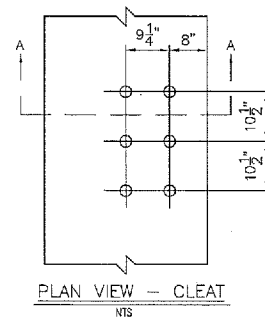
PLAN VIEW - CAST IN PLACE DECK



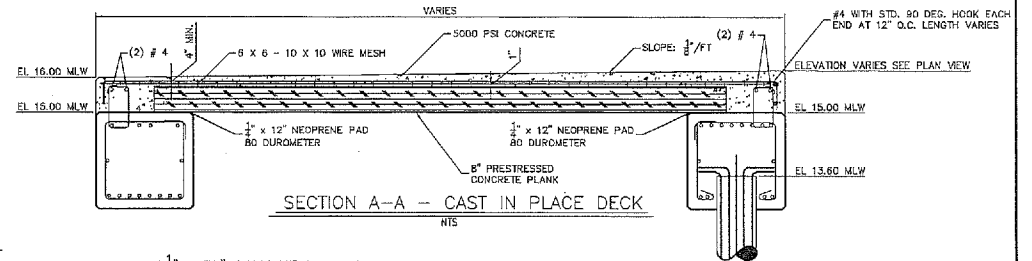
PIPE PILE CROSS SECTION



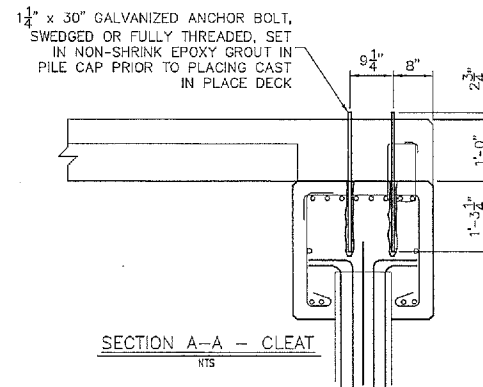
CONTRACTION JOINT CROSS SECTION



PLAN VIEW - CLEAT



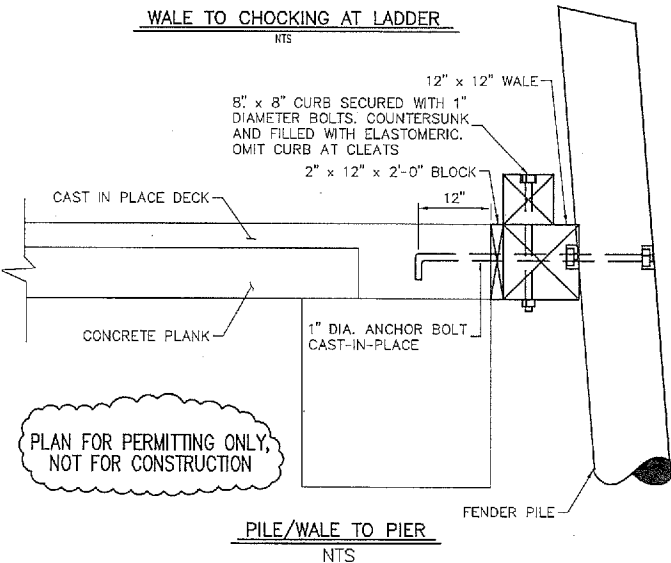
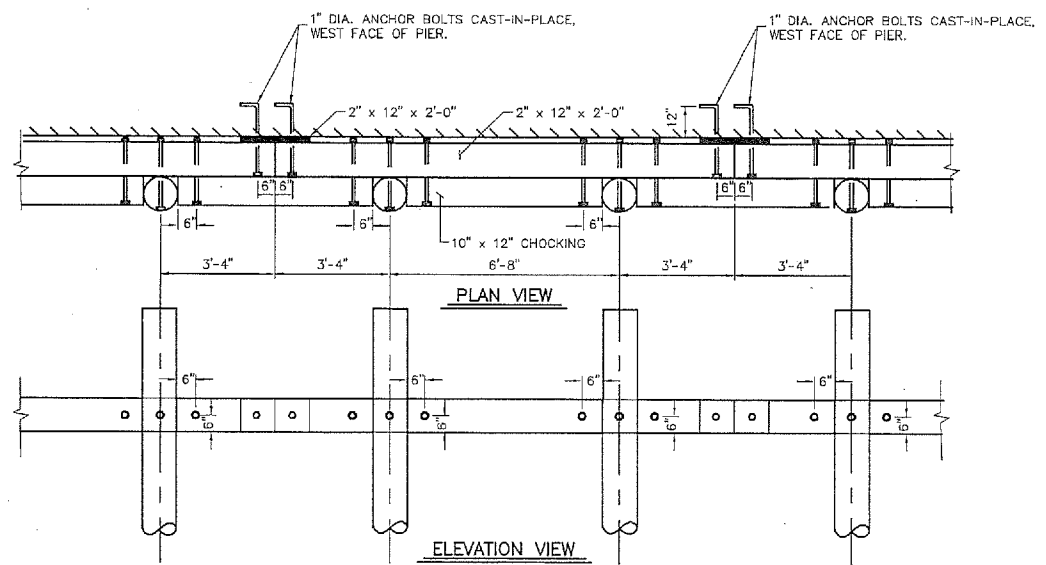
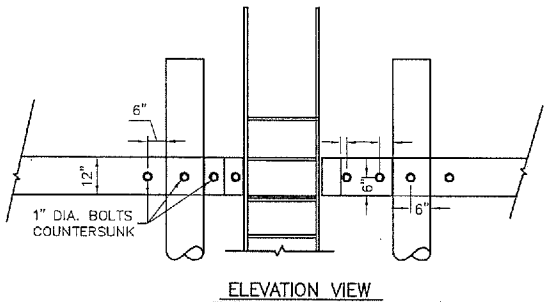
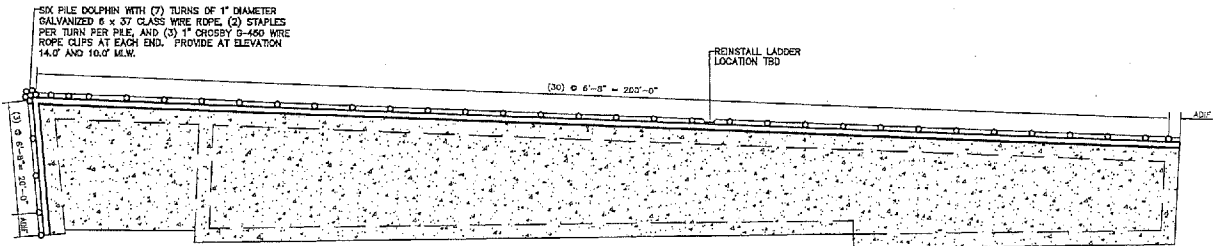
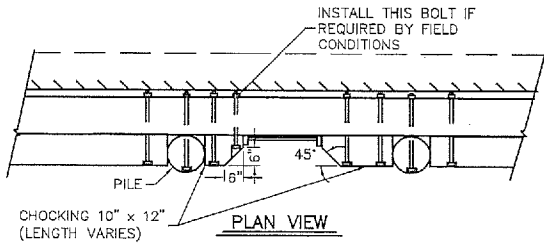
SECTION A-A - CAST IN PLACE DECK



SECTION A-A - CLEAT

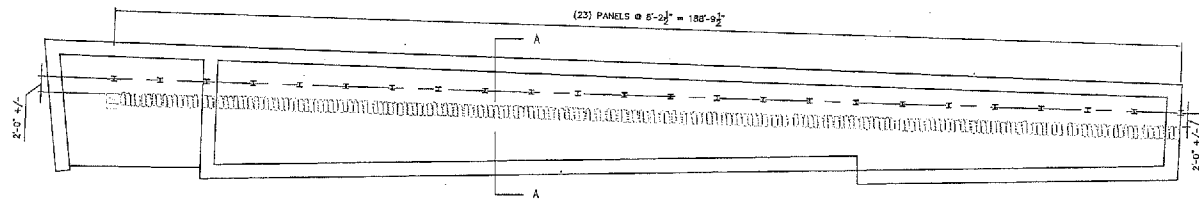
PLAN FOR PERMITTING ONLY,
NOT FOR CONSTRUCTION

PROPRIETORS OF UNION WHARF PORTLAND, MAINE	TEC ASSOCIATES CONSULTING ENGINEERS 46 SAWYER STREET SOUTH PORTLAND, MAINE 04106	
	UNION WHARF PIER REPAIR CAST-IN-PLACE DECK AND PILE SECTION	SCALE SEE GRAPHIC JOB NUMBER 15165-1 DRAWN BY JDL & GWA

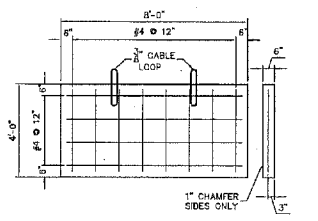
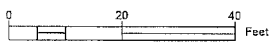


PLAN FOR PERMITTING ONLY,
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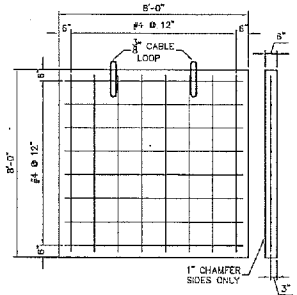
PROPRIETORS OF UNION WHARF PORTLAND, MAINE		TEC ASSOCIATES 46 SAWYER STREET SOUTH PORTLAND, MAINE 04106 CONSULTING ENGINEERS	
UNION WHARF PIER REPAIR FENDERING PLAN		SCALE SEE GRAPHIC JOB NUMBER 15165-1 DRAWN BY JDL & GWA	DATE 1/13/2017 DESIGNED BY GWA DRAWING NO. 8



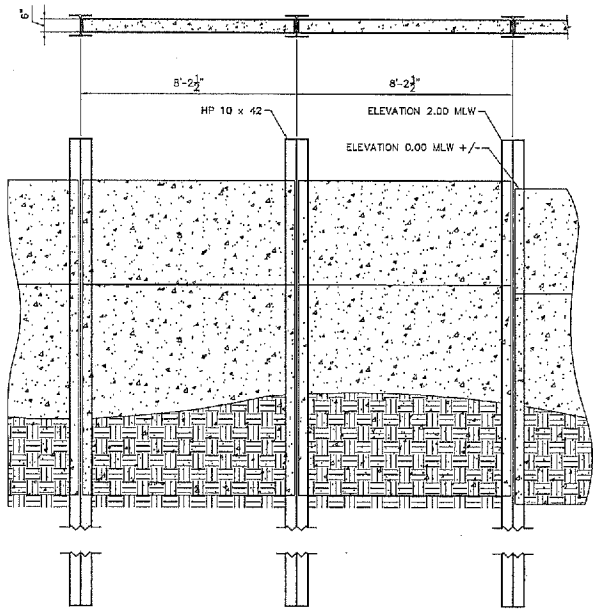
SCOUR PROTECTION - PLAN VIEW
SEE GRAPHIC



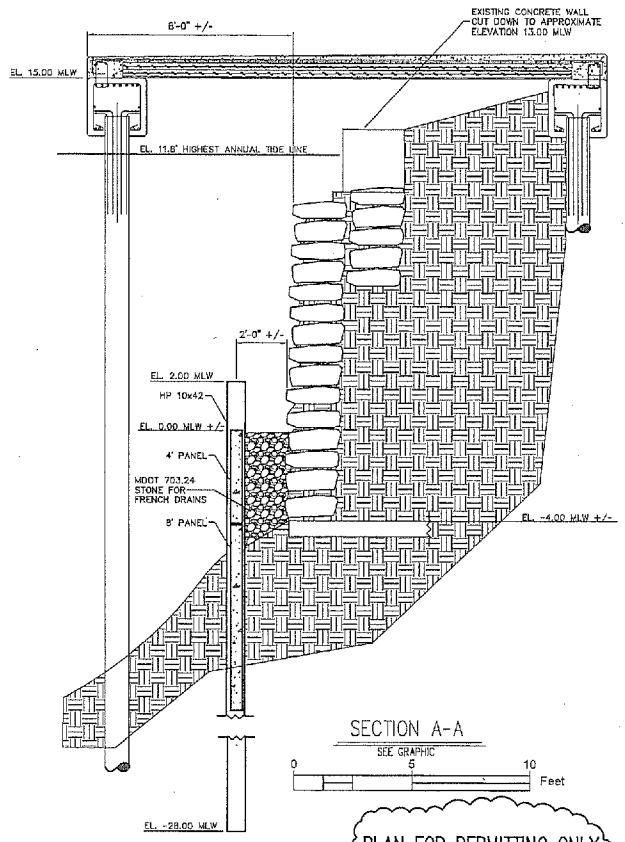
4' x 8' CONCRETE PANEL - (23) REQUIRED
NTS



8' x 8' CONCRETE PANEL - (23) REQUIRED
NTS




SCOUR PROTECTION - ELEVATION VIEW
NTS



SECTION A-A
SEE GRAPHIC
0 5 10 Feet

PLAN FOR PERMITTING ONLY,
NOT FOR CONSTRUCTION

PROPRIETORS OF UNION WHARF PORTLAND, MAINE		 TEC ASSOCIATES CONSULTING ENGINEERS 46 SAWYER STREET SOUTH PORTLAND, MAINE 04106	
UNION WHARF PIER REPAIR SCOUR PROTECTION		SCALE SEE GRAPHIC JOB NUMBER 15165-1 DRAWN BY JDL & GWA	DATE 1/13/2017 DESIGNED BY GWA DRAWING NO. 9



**US Army Corps
of Engineers®**
New England District

**GENERAL PERMIT
WORK-START NOTIFICATION FORM**
(Minimum Notice: Two weeks before work begins)

* MAIL TO: U.S. Army Corps of Engineers, New England District *
* Permits and Enforcement Branch *
* Regulatory Division *
* 696 Virginia Road *
* Concord, Massachusetts 01742-2751 *

Corps of Engineers Permit No. NAE-2017-00617 was issued to the Proprietors of Union Wharf on _____ . This work is located in Portland Harbor at Portland, Maine. The permit authorized the permittee to repair the southeast portion of an existing commercial wharf. Regulated activities include the in kind replacement of concrete decking, the installation of replacement concrete support piles, and the installation of a cutoff wall to reinforce an existing stone retaining wall.

The people (e.g., contractor) listed below will do the work, and they understand the permit's conditions and limitations.

PLEASE PRINT OR TYPE

Name of Person/Firm: _____

Business Address: _____

Telephone Numbers: () _____ () _____

Proposed Work Dates: Start: _____ Finish: _____

Permittee/Agent Signature: _____ **Date:** _____

Printed Name: _____ **Title:** _____

Date Permit Issued: _____ **Date Permit Expires:** _____

FOR USE BY THE CORPS OF ENGINEERS

PM: Clement **Submittals Required:** No

Inspection Recommendation: Inspect as convenient



**US Army Corps
of Engineers** ®
New England District

(Minimum Notice: Permittee must sign and return notification
within one month of the completion of work.)

COMPLIANCE CERTIFICATION FORM

Permit Number: NAE-2017-00617

Project Manager Clement

Name of Permittee: Proprietors of Union Wharf

Permit Issuance Date: _____

Please sign this certification and return it to the following address upon completion of the activity and any mitigation required by the permit. You must submit this after the mitigation is complete, but not the mitigation monitoring, which requires separate submittals.

 * MAIL TO: U.S. Army Corps of Engineers, New England District *
 * Permits and Enforcement Branch C *
 * Regulatory Division *
 * 696 Virginia Road *
 * Concord, Massachusetts 01742-2751 *

Please note that your permitted activity is subject to a compliance inspection by an U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit was completed in accordance with the terms and conditions of the above referenced permit, and any required mitigation was completed in accordance with the permit conditions.

Signature of Permittee

Date

Printed Name

Date of Work Completion

() _____
Telephone Number

() _____
Telephone Number