



The State of New Hampshire  
**Department of Environmental Services**

**Robert R. Scott, Commissioner**



October 09, 2023

120

His Excellency, Governor Christopher T. Sununu  
and The Honorable Council  
State House  
Concord, NH 03301

**REQUESTED ACTION**

Approve Pease Development Authority, NH Division Of Ports And Harbor's request to perform the following work on Piscataqua River in Portsmouth pursuant to NH Department of Environmental Services (NHDES) Wetlands Bureau permit #2022-00429, and in accordance with RSA 482-A:3. Comments submitted by the Portsmouth Conservation Commission on the project as proposed, are addressed in the findings and are included in the enclosed documents.

Impact 130,520 square feet within the bed, banks, and tidal buffer zone of the Piscataqua River to complete the following activities in order to provide for safe docking and freight discharge of cargo vessels at Division of Ports and Harbors Port facility:

1. Relocate an existing floating dock to the west.
2. Dredge approximately 16,000 cubic yards of material from 61,450 square feet of tidal riverbed.
3. Extend the Main Wharf 145 feet to the northwest.
4. Extend the Main Wharf 60 feet to the southeast and then 120 feet to the southwest to tie into the shore.
5. Install 600 square feet of riprap where the extended wharf meets the shore.
6. Add a new fender system to the Main Wharf.
7. Regrade, pave, and install drainage improvements within 46,840 square feet of developed upland tidal buffer zone.

Compensatory mitigation shall consist of a one-time payment of \$1,004,210.24 into the Aquatic Resource Mitigation (ARM) Fund for the permanent impacts to the bed and banks of the Piscataqua River to be deposited within the Salmon Falls - Piscataqua Rivers Watershed account.

NHDES imposed the following conditions as part of this approval:

1. All work shall be completed in accordance with plans titled "Market Street Marine Terminal Functional Replacement Barge Dock Environmental Impact Plans" by Appledore Marine Engineering, LLC dated July 2023, as received by the NH Department of Environmental Services (NHDES) on July 13, 2023.
2. This permit is not valid and effective until the permittee records this permit at the Rockingham County Registry of Deeds as required by RSA 482-A:3, VI. Any limitations or conditions in the permit so recorded shall run with the land beyond the expiration of the permit. Prior to starting work under this permit, the permittee shall submit a copy of the recorded permit stamped by the registry with the book and page and date of receipt to the NHDES Wetlands Program by certified mail, return receipt requested.

[www.des.nh.gov](http://www.des.nh.gov)

29 Hazen Drive • PO Box 95 • Concord, NH 03302-0095  
NHDES Main Line: (603) 271-3503 • Subsurface Fax: (603) 271-6683 • Wetlands Fax: (603) 271-6588  
TDD Access: Relay NH 1 (800) 735-2964

3. This approval is contingent upon the receipt of a one-time in lieu fee payment not to exceed \$1,004,210.24 to the NHDES Aquatic Resource Mitigation (ARM) Fund. The applicant shall remit payment payable to "Treasurer- State of NH" and mailed to NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095. NHDES shall not release the permit until such time as the full amount of the in-lieu fee payment is received.
4. The permittee shall implement the Turbidity Control and Monitoring Plan received by NHDES on April 17, 2023, and approved and conditioned by the NHDES Watershed Management Bureau Water Quality Planning Section on August 10, 2023.
5. Not less than five (5) state business days prior to starting work authorized by this permit, the permittee shall notify the NHDES Wetlands Program and the local conservation commission in writing of the date on which work under this permit is expected to start.
6. All in water activities including but not limited to blasting, dredging, and pile installation, with the exception of pile installation occurring between July 1 and March 31, that complies with Conditions #7 - #9 below, shall occur between November 15 and March 15 to protect anadromous fish as required to maintain compliance with RSA 212-A.
7. Per recommendations of the NH Fish and Game Department (NHF&G) to protect anadromous fish, a safe unimpacted zone of passage of approximately 1,000 feet in width shall be maintained throughout the duration of the project for any sensitive species that may be foraging or migrating in the river during construction as required to maintain compliance with RSA 212-A.
8. Per recommendations of the NH Fish and Game Department (NHF&G) to protect anadromous fish, directly prior to installing the piles, the contractor shall create a deterrent noise that will initiate a startle response for any anadromous fish species that may be in the immediate vicinity. This can be accomplished by loudly banging on the piles and waiting 5 to 10 minutes to allow sufficient time for any fish to vacate the location of the sound to avoid any further conflict with construction equipment as required to maintain compliance with RSA 212-A.
9. Per recommendations of the NH Fish and Game Department (NHF&G) to protect anadromous fish, where applicable piles will be installed using a vibratory hammer as much as possible and then impact driven using a cushion block as required to maintain compliance with RSA 212-A.
10. Work shall be carried out in a time and manner to avoid disturbances to migratory waterfowl breeding and nesting areas as required to maintain compliance with Env-Wt 304.06.
11. Work authorized shall be carried out such that there are no discharges in or to spawning or nursery areas during spawning seasons. Impacts to such areas shall be avoided or minimized to the maximum extent practicable during all other times of the year as required to maintain compliance with Env-Wt 304.06.
12. No person undertaking any activity shall cause or contribute to, or allow the activity to cause or contribute to, any violations of the surface water quality standards in RSA 485-A and Env-Wq 1700 as required to maintain compliance with Env-Wt 304.06.
13. Work shall be conducted in a manner so as to minimize turbidity and sedimentation to surface waters and wetlands as required to maintain compliance with Env-Wt 304.06.
14. Appropriate siltation and erosion controls shall be in place prior to construction, shall be maintained during construction, and shall remain until the area is stabilized. Temporary controls shall be removed once the area has been stabilized as required to maintain compliance with Env-Wt 304.06.
15. Erosion, siltation, and turbidity control products shall be installed per manufacturers recommended specifications as required to maintain compliance with Env-Wt 304.06.

16. A certified wetlands scientist or qualified professional, as applicable, shall monitor the project during construction to verify that all work is done in accordance with the approved plans and narratives, adequate siltation and erosion controls are properly implemented, and no water quality violations occur as required to maintain compliance with Env-Wt 304.06. Weekly construction monitoring reports shall be provided to NHDES through the duration of the project and a follow-up report including photographs of all stages of construction shall be submitted to the NHDES Wetlands Program within 60 days of final site stabilization.
17. Dredging shall not disturb contaminated layers of sediment. If the permittee/permittee's contractor suspects that contaminated sediment has been disturbed, they shall cease operation and contact the NHDES Hazardous Waste Remediation Bureau immediately.
18. No dredged or excavated material removed from the bed of the Piscataqua River to construct the proposed navigation channel shall be disposed of at an approved offshore disposal site until the appropriate Federal approval has been obtained.
19. Excavated material and construction-related debris within the tidal buffer zone shall be placed outside of the areas subject to RSA 482-A. Any material deposited within 250 feet of any surface water shall comply with RSA 483-B.
20. Construction of the wharf shall occur from land, or from a barge and crane if land-based construction is not feasible, to reduce potential impacts to the intertidal zone.
21. Any fill used shall be clean sand, gravel, rock, or other suitable material.
22. No concrete is to be used anywhere in the construction of the stone riprap revetment. All stone shall be dry laid or placed stone underlain with filter fabric.
23. Any stone used in the construction or repair of a revetment shall be of suitable size and weight to assure that the structure is stable and will withstand ocean storm wave energy anticipated at this location.
24. The permittee shall monitor the area surrounding the permitted structure for the occurrence of special aquatic sites (SAS) or submerged aquatic vegetation (SAV) such as Eelgrass (*Zostera marina*) and assure that continued use of the permitted structure will not adversely impact aquatic resources.

#### EXPLANATION

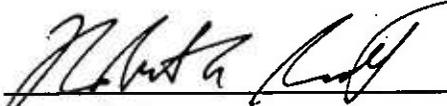
NHDES approved this project on September 06, 2023. NHDES supported its decision with the following findings:

1. This project has been reviewed for compliance with the NH Wetlands Bureau Administrative Rules as in effect prior to December 15, 2019, in accordance with the Memorandum of Agreement (MoA) between the Department of Environmental Services and the Department of Transportation Regarding Wetlands Rules Applicability for Projects Initiated Prior to December 15, 2019, as executed on October 15, 2020.
2. This project is classified as a Major Project per NH Administrative Rule Env-Wt 303.02(a), projects located tidal wetlands, except for repair of existing structures, Rule Env-Wt 303.02(d), construction or modification of major docking system defined by Env-Wt 101.56, and any dock adjacent or attached to a breakwater, and Rule Env-Wt 303.02(g), removal of more than 20 cubic yards of rock, gravel, sand, mud, or other material from public waters.
3. On February 24, 2022, the Department received correspondence from the NH Fish and Game Department (NHFG) dated June 13, 2019, stating that the NHFG Nongame and Endangered Wildlife Program did not expect impacts to non-aquatic protected wildlife species as a result of the proposed work.

4. On April 17, 2023, the Department received correspondence from the NH Fish and Game Department (NHF&G) dated February 8, 2023, and December 20, 2022, stating that the NHF&G had "no new comments and will not require further consultation prior to submitting permit applications" and included a list of four avoidance and minimization measures to be followed during pile driving activities to minimize impacts to anadromous fish species. NHF&G recommendations have been included as conditions in the permit.
5. NHDES finds that the project as approved and conditioned will not have an unreasonable adverse impact on the value of such areas as sources of nutrients for finfish, crustacea, shellfish and wildlife of significant value, nor will it damage or destroy habitats and reproduction areas for plants, fish and wildlife of importance.
6. On April 4, 2022, NHDES received comments from the Portsmouth Conservation Commission dated March 24, 2022, stating that the commission recommend approval of the project provided the applicant "fulfill[s] the recommendations of the National Marine Fisheries Service."
7. On February 9, 2023, the applicant obtained a statement from the Pease Development Authority, Division of Ports and Harbors regarding the projects impact on navigation and passage stating, "[w]e examined the proposed site and found that the structure will have no negative effect on navigation in the channel," per Rule Env-Wt 302.04(a)(8).
8. Pursuant to Env-Wt 302.03(b), compensatory mitigation is required as the project impacts tidal wetlands that are intended to remain when the proposed project is completed.
9. NHDES has determined that an in-lieu mitigation payment of \$1,004,210.24 pursuant to Per Rule Env-Wt 803.10(e), to be deposited in the ARM fund for the Salmon Falls - Piscataqua Rivers watershed per RSA 482-A:29 as mitigation to offset the impacts associated with the approved permanent impacts to the bed and bank tidal waters.
10. On April 17, 2023, NHDES received a request to waive Rule Env-Wt 402.21, to relieve the applicant from the requirement to demonstrate that the modification of the existing docking structure is less environmentally-impacting or provides for fewer boat slips and less construction surface area over public submerged lands than the current configuration to modify the existing docking structures.
11. On April 17, 2023, NHDES received a request to waive Rule Env-Wt 606.03(c), to relieve the applicant from design criteria requiring that superstructures shall not completely shield the underlying area from direct sunlight.
12. The department finds that the documentation provided by the applicant provides clear and convincing evidence that granting the waivers will not result in either an avoidable adverse impact on the environment or natural resources of the state; an avoidable adverse impact on public health or public safety; nor any impact on abutting properties that is more significant than that which would result from complying with the rule; or a statutory requirement being waived; and any benefit to the public or the environment from complying with the rule is outweighed by the operational or economic costs to the applicant, and thus, that the requirements of Env-Wt 204.05 have been met.

NHDES Wetlands Bureau permit #2022-00429 application documents are enclosed for review by the Governor and the Executive Council in consideration of this request and in accordance with RSA 482-A:3, II(a), as it is a major project located in New Hampshire public waters.

We respectfully request your approval of this item.

  
\_\_\_\_\_  
Robert R. Scott  
Commissioner



# WETLANDS PERMIT APPLICATION

Water Division/ Wetlands Bureau  
Land Resources Management



Check the status of your application: [www.des.nh.gov/onestop](http://www.des.nh.gov/onestop)

RSA/Rule: RSA 482-A/ Env-Wt 100-900

Administrative Use Only	Administrative Use Only	Administrative Use Only	File No.:
			Check No.:
			Amount:
			Initials:

**1. REVIEW TIME:** Indicate your Review Time below. To determine review time, refer to **Guidance Document A** for instructions.

Standard Review (Minimum, Minor or Major Impact)  Expedited Review (Minimum Impact only)

**2. MITIGATION REQUIREMENT:**

If mitigation is required, a Mitigation Pre-Application meeting must occur prior to submitting this Wetlands Permit Application. To determine if mitigation is required, please refer to the Determine if Mitigation is Required Frequently Asked Questions.

Mitigation Pre-Application Meeting Date: Month: 8 Day: 21 Year: 2019

N/A - Mitigation is not required

**3. PROJECT LOCATION:**

Separate wetland permit applications must be submitted for each municipality within which wetland impacts occur.

ADDRESS: Market Street Marine Terminal TOWN/CITY: Portsmouth

TAX MAP: 119 BLOCK: \_\_\_\_\_ LOT: 5 UNIT: \_\_\_\_\_

USGS TOPO MAP WATERBODY NAME: Piscataqua River  NA STREAM WATERSHED SIZE: 994 sq mi  NA

LOCATION COORDINATES (if known): 43.084373, -70.761500  Latitude/Longitude  UTM  State Plane

**PROJECT DESCRIPTION**

Provide a brief description of the project outlining the scope of work. Attach additional sheets as needed to provide a detailed explanation of your project. DO NOT reply "See Attached" in the space provided below.

The original wetlands permit application was submitted in February 2022 (NHDES File No. 2022-00429). This application amendment is requested due to changes in impact areas. This project will consist of construction of new dock structures to extend the south and north ends of the existing wharf; installation of a new fender system; dredging of approximately 61,450 square feet of the river bed; relocation of a floating dock; and shoreside alterations.

**5. SHORELINE FRONTAGE:**

N/A This does not have shoreline frontage. SHORELINE FRONTAGE: 1,800'

Shoreline Frontage is calculated by determining the average of the distances of the actual natural navigable shoreline frontage and a straight line drawn between the property lines, both of which are measured at the normal high water line (Env-Wt 101.89).

**6. RELATED NHDES LAND RESOURCES MANAGEMENT PERMIT APPLICATIONS ASSOCIATED WITH THIS PROJECT:**

Please indicate if any of the following permit applications are required and, if required, the status of the application. To determine if other Land Resources Management Permits are required, refer to the Land Resources Management Webpage.

Permit Type	Permit Required	File Number	Permit Application Status
Alteration of Terrain Permit Per RSA 485-A:17	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input checked="" type="checkbox"/> PENDING <input type="checkbox"/> DENIED
Individual Sewerage Disposal per RSA 485-A:2	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED
Subdivision Approval Per RSA 485-A	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED
Shoreland Permit Per RSA 483-B	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input checked="" type="checkbox"/> PENDING <input type="checkbox"/> DENIED

**7. NATURAL HERITAGE BUREAU & DESIGNATED RIVERS:**

See the instructions & Required Attachments document for instructions to complete a & b below.

a Natural Heritage Bureau File ID: NHB 23 - 0281

This project is within a Designated River corridor. The project is within 1/4 mile of: \_\_\_\_\_; and date a copy of the application was sent to the Local River Management Advisory Committee: Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

N/A - This project is not within a Designated River corridor.

<b>8. APPLICANT INFORMATION (Desired permit holder)</b>			
LAST NAME, FIRST NAME, M.I.: <b>Shattuck, Tracy</b>			
TRUST / COMPANY NAME: <b>NH Division of Ports and Harbors</b>		MAILING ADDRESS: <b>555 Market Street</b>	
TOWN/CITY: <b>Portsmouth</b>		STATE: <b>NH</b>	ZIP CODE: <b>03801</b>
EMAIL or FAX: <b>t.shattuck@peasedev.org</b>		PHONE: <b>603-436-8500</b>	
ELECTRONIC COMMUNICATION: By initialing here: <u>TS</u> , I hereby authorize NHDES to communicate all matters relative to this application electronically.			
<b>9. PROPERTY OWNER INFORMATION (If different than applicant)</b>			
LAST NAME, FIRST NAME, M.I.:			
TRUST / COMPANY NAME:		MAILING ADDRESS:	
TOWN/CITY:		STATE:	ZIP CODE:
EMAIL or FAX:		PHONE:	
ELECTRONIC COMMUNICATION: By initialing here _____, I hereby authorize NHDES to communicate all matters relative to this application electronically.			
<b>10. AUTHORIZED AGENT INFORMATION</b>			
LAST NAME, FIRST NAME, M.I.: <b>Perron, Christine</b>		COMPANY NAME: <b>McFarland-Johnson, Inc</b>	
MAILING ADDRESS: <b>53 Regional Drive</b>			
TOWN/CITY: <b>Concord</b>		STATE: <b>NH</b>	ZIP CODE: <b>03301</b>
EMAIL or FAX: <b>cperron@mjinc.com</b>		PHONE: <b>603-225-2978</b>	
ELECTRONIC COMMUNICATION: By initialing here <u>CJP</u> , I hereby authorize NHDES to communicate all matters relative to this application electronically.			
<b>11. PROPERTY OWNER SIGNATURE:</b>			
See the <u>Instructions &amp; Required Attachments</u> document for clarification of the below statements			
By signing the application, I am certifying that:			
<ol style="list-style-type: none"> <li>I authorize the applicant and/or agent indicated on this form to act in my behalf in the processing of this application, and to furnish upon request, supplemental information in support of this permit application.</li> <li>I have reviewed and submitted information &amp; attachments outlined in the <u>Instructions and Required Attachment</u> document.</li> <li>All abutters have been identified in accordance with RSA 482-A:3, I and Env-Wt 100-900.</li> <li>I have read and provided the required information outlined in Env-Wt 302.04 for the applicable project type.</li> <li>I have read and understand Env-Wt 302.03 and have chosen the least impacting alternative.</li> <li>Any structure that I am proposing to repair/replace was either previously permitted by the Wetlands Bureau or would be considered grandfathered per Env-Wt 101.47.</li> <li>I have submitted a Request for Project Review (RPR) Form (<a href="http://www.nh.gov/nhdhr/review">www.nh.gov/nhdhr/review</a>) to the NH State Historic Preservation Officer (SHPO) at the NH Division of Historical Resources to identify the presence of historical/ archeological resources while coordinating with the lead federal agency for National Historic Preservation Act (NHPA) 106 compliance.</li> <li>I authorize NHDES and the municipal conservation commission to inspect the site of the proposed project.</li> <li>I have reviewed the information being submitted and that to the best of my knowledge the information is true and accurate.</li> <li>I understand that the willful submission of falsified or misrepresented information to the NHDES is a criminal act, which may result in legal action.</li> <li>I am aware that the work I am proposing may require additional state, local or federal permits which I am responsible for obtaining.</li> <li>The mailing addresses I have provided are up to date and appropriate for receipt of NHDES correspondence. NHDES will not forward returned mail.</li> </ol>			
 <input type="checkbox"/> Property Owner Signature		<b>Tracy Shattuck</b> Print name legibly	<b>04/13/2023</b> Date

**MUNICIPAL SIGNATURES**

**12. CONSERVATION COMMISSION SIGNATURE**

The signature below certifies that the municipal conservation commission has reviewed this application, and:

1. Waives its right to intervene per RSA 482-A:11;
2. Believes that the application and submitted plans accurately represent the proposed project; and
3. Has no objection to permitting the proposed work.

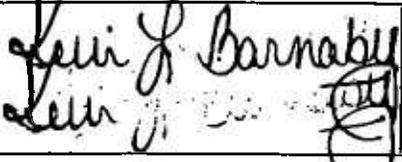
⇒	Print name legibly	Date
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**DIRECTIONS FOR CONSERVATION COMMISSION**

1. Expedited review ONLY requires that the conservation commission's signature is obtained in the space above.
2. Expedited review requires the Conservation Commission signature be obtained prior to the submittal of the original application to the Town/City Clerk for signature.
3. The Conservation Commission may refuse to sign. If the Conservation Commission does not sign this statement for any reason, the application is not eligible for expedited review and the application will be reviewed in the standard review time frame.

**13. TOWN / CITY CLERK SIGNATURE**

As required by Chapter 482-A:3 (amended 2014), I hereby certify that the applicant has filed four application forms, four detailed plans, and four USGS location maps with the town/city indicated below.

⇒ 	Kelli L. Barnaby Print name legibly	Dartmouth Town/City	4/13/23 Date
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**DIRECTIONS FOR TOWN/CITY CLERK:**

Per RSA 482-A:3,1

1. For applications where "Expedited Review" is checked on page 1, if the Conservation Commission signature is not present, NHDES will accept the permit application, but it will NOT receive the expedited review time.
2. IMMEDIATELY sign the original application form and four copies in the signature space provided above;
3. Return the signed original application form and attachments to the applicant so that the applicant may submit the application form and attachments to NHDES by mail or hand delivery.
4. IMMEDIATELY distribute a copy of the application with one complete set of attachments to each of the following bodies: the municipal Conservation Commission, the local governing body (Board of Selectmen or Town/City Council), and the Planning Board; and
5. Retain one copy of the application form and one complete set of attachments and make them reasonably accessible for public review.

**DIRECTIONS FOR APPLICANT:**

1. Submit the single, original permit application form bearing the signature of the Town/ City Clerk, additional materials, and the application fee to NHDES by mail or hand delivery.

**14. IMPACT AREA:**

For each jurisdictional area that will be/has been impacted, provide square feet and, if applicable, linear feet of impact.

**Permanent:** impacts that will remain after the project is complete.

**Temporary:** impacts not intended to remain (and will be restored to pre-construction conditions) after the project is completed.

**Intermittent Streams:** linear footage distance of disturbance is measured along the thread of the channel.

**Perennial Streams/Rivers:** the total linear footage distance is calculated by summing the lengths of disturbance to the channel and each bank.

JURISDICTIONAL AREA	PERMANENT Sq. Ft. / Lin. Ft.	TEMPORARY Sq. Ft. / Lin. Ft.
Forested wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Scrub-shrub wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Emergent wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Wet meadow	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Intermittent stream channel	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Perennial Stream / River channel	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Lake / Pond	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Intermittent stream	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Perennial stream / River	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Lake / Pond	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Tidal water	62,050 / 343 <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Salt marsh	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Sand dune	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland buffer	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Undeveloped Tidal Buffer Zone (TBZ)	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Previously-developed upland in TBZ	51,720 <input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - Lake / Pond	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - River	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - Tidal Water	17,400 <input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Vernal Pool	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
<b>TOTAL</b>	<b>131,170 / 343</b>	<b>/</b>

**15. APPLICATION FEE:** See the Instructions & Required Attachments document for further instruction

Minimum Impact Fee or Fee for Non-enforcement related, publicly-funded and supervised restoration projects, regardless of impact classification (see RSA 482-A:3, 1(c)): Flat fee of \$ 400

Minor or Major Impact Fee: Calculate using the below table below

Permanent and Temporary (non-docking) 113,770 sq. ft. X \$0.40 = \$ 45,508

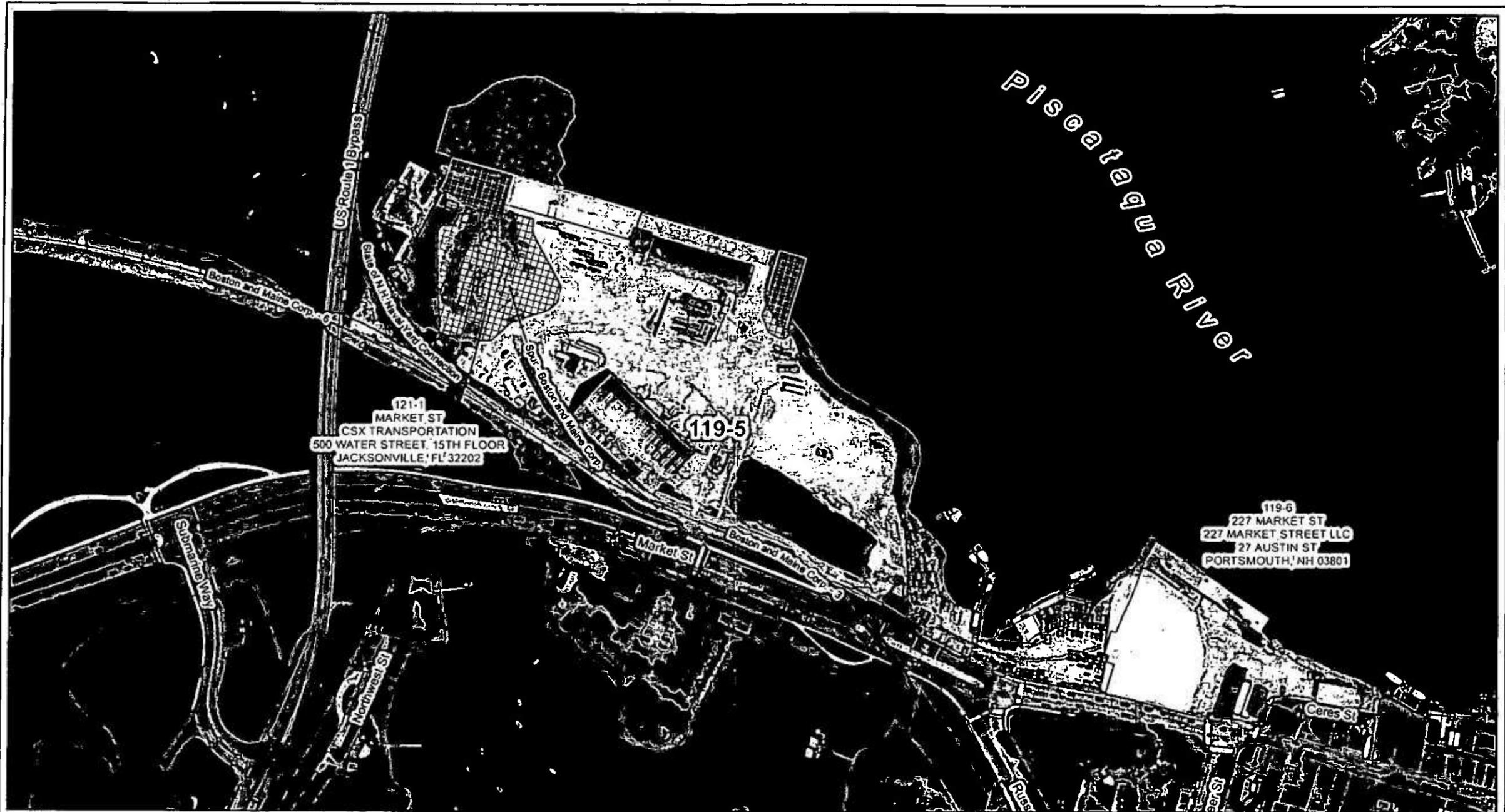
Temporary (seasonal) docking structure:                     sq. ft. X \$2.00 = \$                    

Permanent docking structure: 17,400 sq. ft. X \$4.00 = \$ 69,600

Projects proposing shoreline structures (including docks) add \$400 = \$ 400

Total = \$ 115,508

The Application Fee is the above calculated Total or \$400, whichever is greater = \$ 10,000\*cap

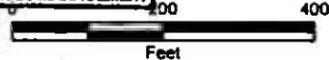


**Portsmouth Wharf Functional Replacement Project Area**

-  Proposed Dredge Area
-  Proposed Wharf Extension
-  Proposed Shoreline Improvements
-  Proposed Floating Dock

-  Rockingham County Tax Parcels
-  Project/Applicant Property (119-5)
-  Project Abutters
-  New Hampshire Railroads

**RECEIVED**  
 APR 17 2023  
 NHDES  
 LAND RESOURCES MANAGEMENT

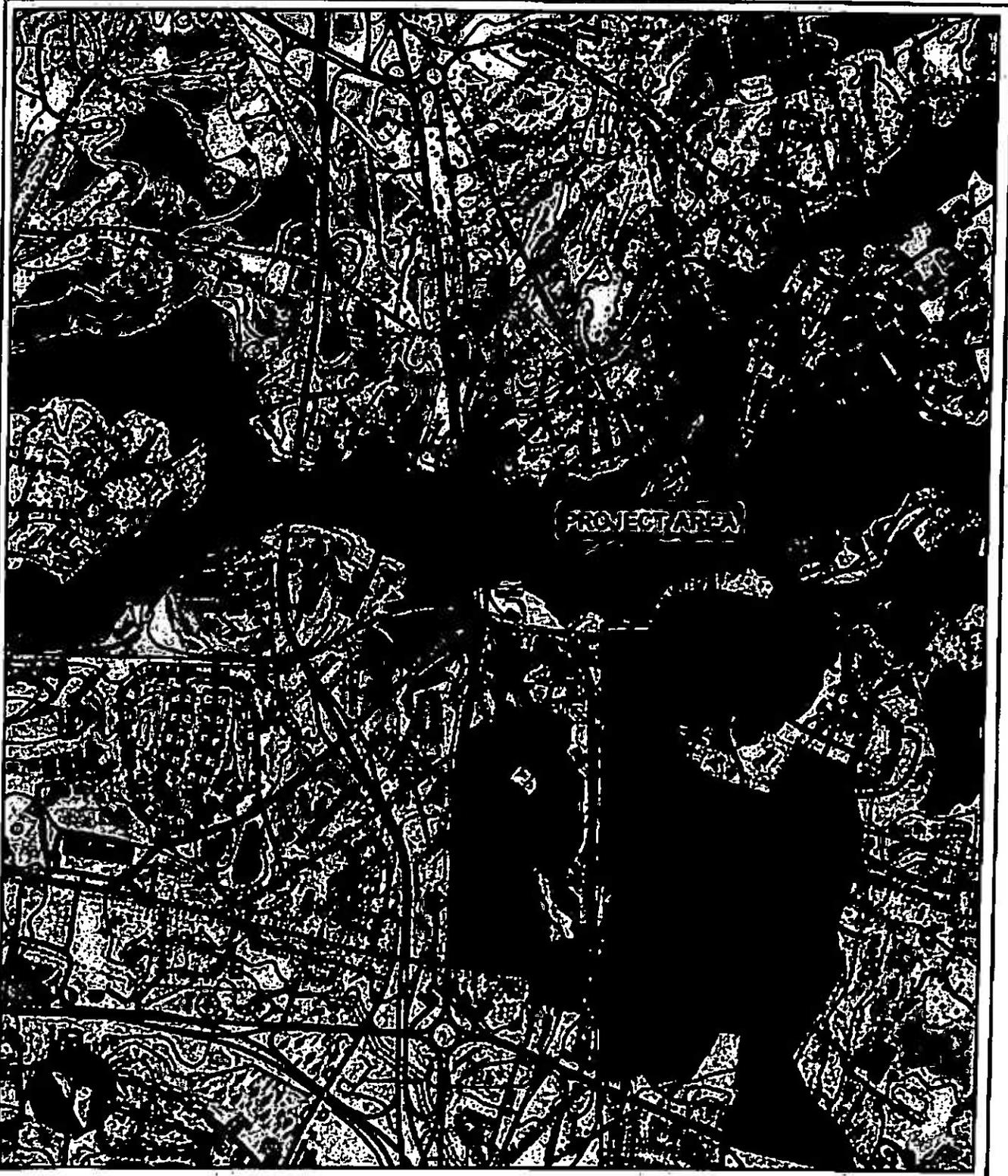


PEASE DEVELOPMENT AUTHORITY  
 MAIN PIER FUNCTIONAL REPLACEMENT

**TAX MAP**

SCALE: 1 inch = 200 feet      DATE: APRIL 2023      FIGURE: 2

 McFarland Johnson



-  New Bridge and Rail Alignment
-  Market Street Marine Terminal

**PEASE DEVELOPMENT AUTHORITY**  
**MAIN PIER FUNCTIONAL REPLACEMENT**

**LOCATION MAP**

SCALE: 1 inch = 2,000 feet	DATE: JUNE 2018	FIGURE: 1
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 **McFarland Johnson**



The State of New Hampshire  
**Department of Environmental  
Services**

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**Robert R. Scott, Commissioner**

This application contains confidential information from the NH Natural Heritage Bureau (NHB) Datacheck tool provided by the NH Department of Natural and Cultural Resources, NHB. This information is being withheld from disclosure to the public.

Please direct all questions regarding the confidential information to Pamela G. Monroe, Legal Unit Administrator, NH Department of Environmental Services, at: [pamela.g.monroe@des.nh.gov](mailto:pamela.g.monroe@des.nh.gov), or (603) 271-3137.



# CITY OF PORTSMOUTH

Community Development Department  
(603) 610-7281

Planning Department  
(603) 610-7216

## CONSERVATION COMMISSION

March 24, 2022

TO: DES Wetlands – Coastal Region  
222 International Drive, Suite 175  
Portsmouth, NH 03801

Attn: Permit Coordinator

RE: Standard Dredge and Fill Application

**RECEIVED**

APR 04 2022

ENVIRONMENTAL SERVICES  
"BY NH DES WETLANDS BUREAU"

MEETING DATE: March 09, 2022

CONSTRUCTION SITE: 555 Market Street (Market Street Marine Terminal)

This Commission recommends approval of the cited project.

This Commission requests the statutory 40-day delay in order to allow for further investigation of the project. (See below)

This Commission recommends denial of the cited project for the reasons.

Other

*After due deliberation, the Commission voted to recommend approval of the State Wetlands Bureau with the following stipulation:*

- 1. The applicant shall fulfill the recommendations of the National Marine Fisheries Service.*

FOR THE COMMISSION:

Sincerely,

Samantha Collins, Vice Chair  
Conservation Commission

cc: Peter Britz, Environment Planner/Sustainability Coordinator  
Geno Marconi, NH Division of Ports and Harbors  
Christine Perron, Senior Environmental Analyst, McFarland-Johnson, Inc.

7016 1970 0001 1862 4201

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<input type="checkbox"/> Return Receipt (hardcopy)	\$ 10.00
<input type="checkbox"/> Return Receipt (electronic)	\$ 30.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ 45.00
<input type="checkbox"/> Adult Signature Required	\$ 30.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ 30.00

Postage \$10.63

Total Postage and Fees \$18.15

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03/28/2023

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See Reverse for Instructions

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<input type="checkbox"/> Return Receipt (electronic)	\$ 30.00
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<input type="checkbox"/> Adult Signature Required	\$ 30.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ 30.00

Postage \$10.63

Total Postage and Fees \$18.15

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03/28/2023

227 Market Street LLC

See Reverse for Instructions

# PEASE DEVELOPMENT AUTHORITY

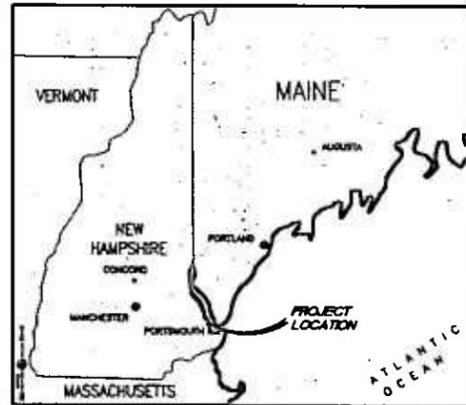
## Division of Ports and Harbors

### Portsmouth, New Hampshire

# MARKET STREET MARINE TERMINAL

# FUNCTIONAL REPLACEMENT BARGE DOCK

# ENVIRONMENTAL IMPACT PLANS

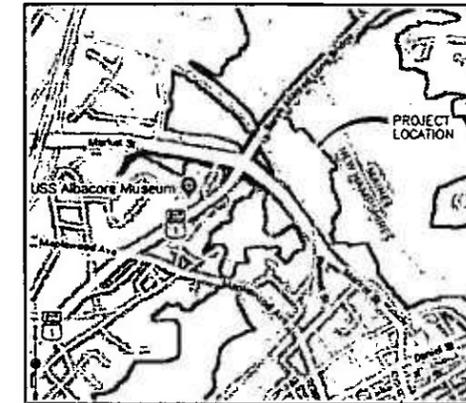


VICINITY MAP  
N.T.S.

JULY 2023

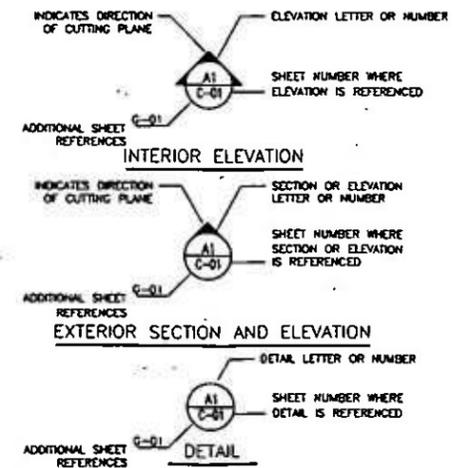
#### LIST OF DRAWINGS

NUMBER	NAME	TITLE
<u>GENERAL</u>		
1	G-001	TITLE SHEET
2	G-002	GENERAL NOTES
3	G-003	SITE PHOTOS - 01
4	G-004	SITE PHOTOS - 02
5	G-005	SITE PHOTOS - 03
6	G-101	EXISTING CONDITIONS PLAN
7	G-102	PROJECT OVERVIEW PLAN
<u>CIVIL</u>		
8	C-101	WETLAND IMPACT PLAN
9	C-102	SHORELAND IMPACT PLAN
10	C-103	GENERAL SECTIONS
11	C-104	DREDGING PLAN
12	C-105	DREDGE SECTIONS
13	C-106	RIPRAP PLAN
14	C-107	RIPRAP SECTIONS
<u>STRUCTURAL</u>		
15	S-101	PILE PLAN
16	S-102	PILE SECTION AND DETAILS
17	S-103	FRAMING PLAN
18	S-104	FLOATING DOCK PLAN AND DETAILS



LOCATION MAP  
N.T.S.

#### ELEVATION, SECTION OR DETAIL SYMBOLS



NO.	DATE	REVISION	DESCRIPTION	BY

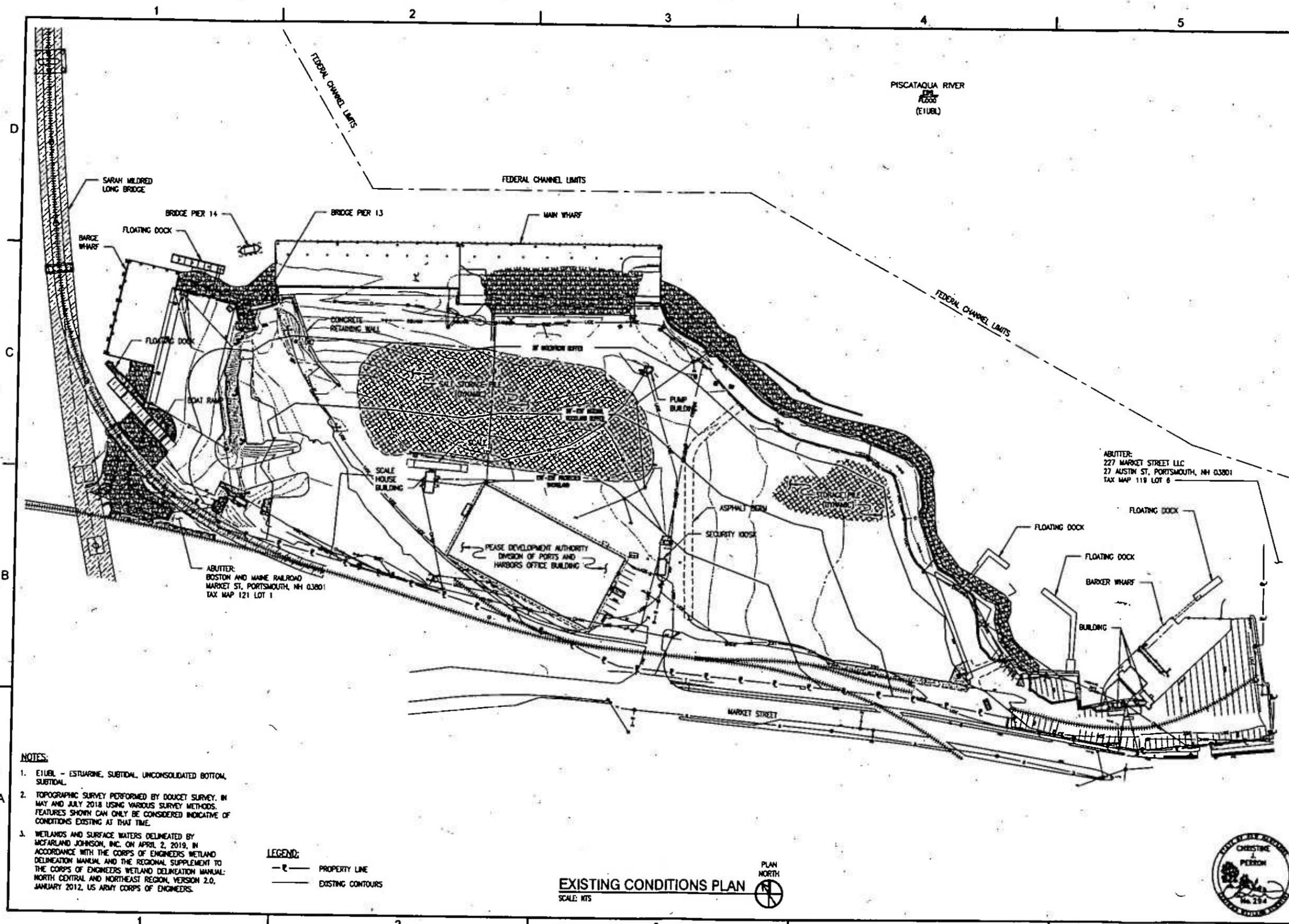
Appledore Marine Engineering, LLC  
400 Main St., Suite E  
Portsmouth, New Hampshire 03801  
1-603-862-1000

PROJECT No.: 0213  
DATE PREPARED: 07/2023  
DRAWN BY: JAV  
CHECKED BY: NLE  
SCALE: AS SHOWN

G-001

SHEET 1 OF 18





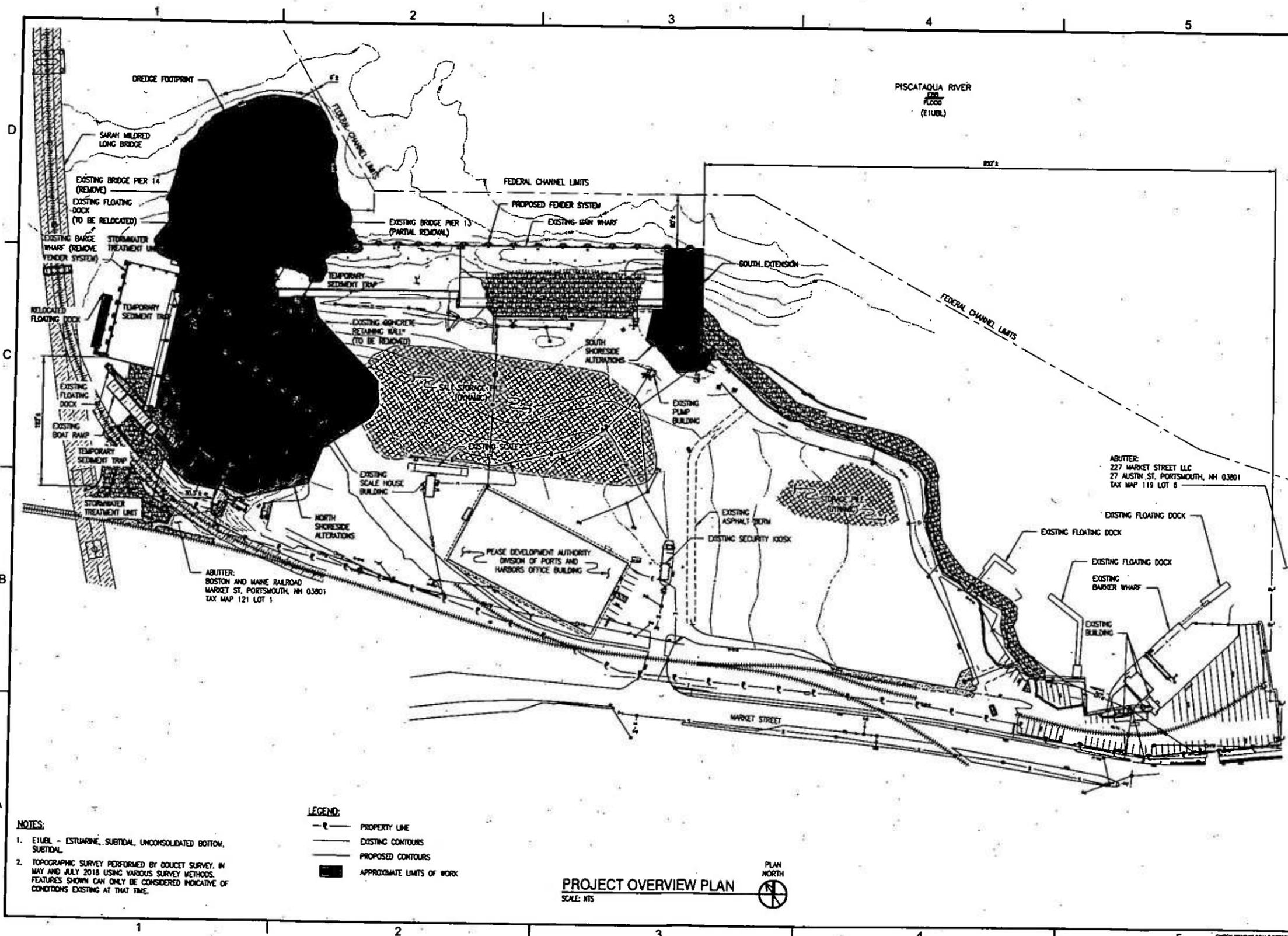
- NOTES:**
1. E1UB1 - ESTUARINE, SUBTIDAL, UNCONSOLIDATED BOTTOM, SUBTIDAL.
  2. TOPOGRAPHIC SURVEY PERFORMED BY DOUCET SURVEY, IN MAY AND JULY 2018 USING VARIOUS SURVEY METHODS. FEATURES SHOWN CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS EXISTING AT THAT TIME.
  3. WETLANDS AND SURFACE WATERS DELINEATED BY MCFARLAND JOHNSON, INC. ON APRIL 2, 2019, IN ACCORDANCE WITH THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL AND THE REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH CENTRAL AND NORTHEAST REGION, VERSION 2.0, JANUARY 2012, US ARMY CORPS OF ENGINEERS.

**LEGEND:**  
 - - - - - PROPERTY LINE  
 ———— EXISTING CONTOURS

**EXISTING CONDITIONS PLAN**  
 SCALE: NTS



PEASE DEVELOPMENT AUTHORITY DIVISION OF PORTS AND HARBORS, 335 MARKET STREET, PORTSMOUTH, NH MARKET STREET MARINE TERMINAL <b>FUNCTIONAL REPLACEMENT BARGE DOCK</b>		APPLEDORF MARINE ENGINEERING, LLC 227 AUSTIN ST., PORTSMOUTH, NH 03801 TAX MAP 119 LOT 6	
PROJECT No.:	S213	DATE:	02/14/2020
DRAWN BY:	SHD	DATE:	02/14/2020
CHECKED BY:	DLZ	DATE:	02/14/2020
SCALE:	AS SHOWN		
EXISTING CONDITIONS PLAN		REVISIONS	
		NO.	DATE
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		2	02/14/2020
		3	02/14/2020
		4	02/14/2020
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		99	02/14/2020
		100	02/14/2020



**NOTES:**

1. E1UBL - ESTUARINE, SUBTIDAL UNCONSOLIDATED BOTTOM, SUBTIDAL.
2. TOPOGRAPHIC SURVEY PERFORMED BY DOUGET SURVEY, IN MAY AND JULY 2018 USING VARIOUS SURVEY METHODS. FEATURES SHOWN CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS EXISTING AT THAT TIME.

**LEGEND:**

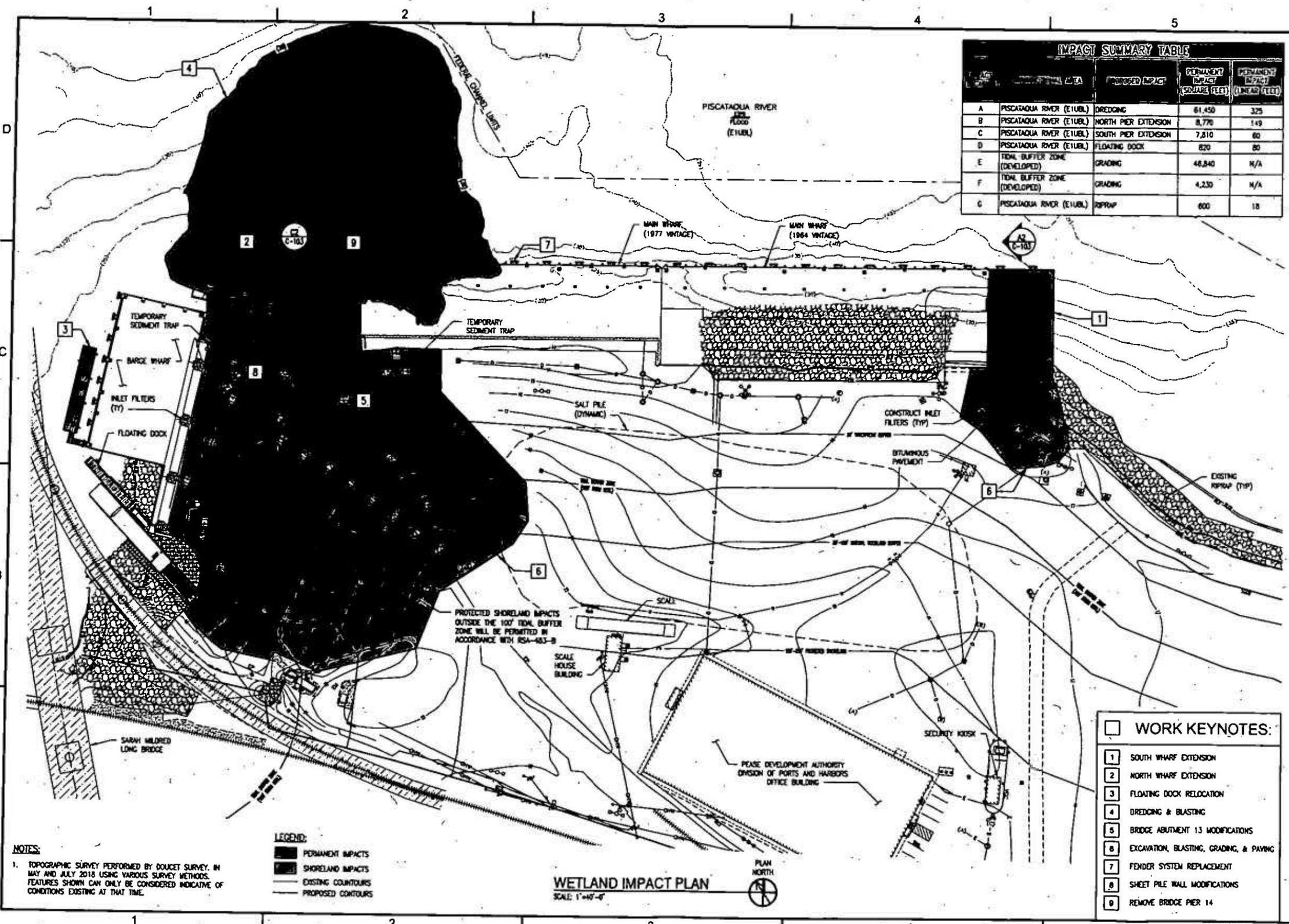
- - - PROPERTY LINE
- EXISTING CONTOURS
- - - PROPOSED CONTOURS
- APPROXIMATE LIMITS OF WORK

**PROJECT OVERVIEW PLAN**  
SCALE: NTS



PEASE DEVELOPMENT AUTHORITY DIVISION OF PORTS AND HARBORS, 555 MARKET STREET, PORTSMOUTH, NH MARKET STREET MARINE TERMINAL <b>FUNCTIONAL REPLACEMENT BARGE DOCK</b>		PROJECT OVERVIEW PLAN	
PROJECT No: E213 DATE: 08/14/2018 DRAWN BY: SHD CHECKED BY: DUM SCALE: AS SHOWN G-102		REVISIONS NO. DATE DESCRIPTION BY	
PEASE DEVELOPMENT AUTHORITY DIVISION OF PORTS AND HARBORS, 555 MARKET STREET, PORTSMOUTH, NH MARKET STREET MARINE TERMINAL <b>FUNCTIONAL REPLACEMENT BARGE DOCK</b>		APPLEDORF MARTINS ENGINEERING, LLC 400 State St. Suite E Portsmouth, NH 03801 603.433.1111	

CHECK GRAPHIC SCALE BEFORE USE.



NO.	LOCATION	PROPOSED WORK	PERMANENT IMPACT (SQ. FEET)	PERMANENT IMPACT (LINEAR FEET)
A	PISCATAQUA RIVER (E1UBL)	DREDGING	61,450	325
B	PISCATAQUA RIVER (E1UBL)	NORTH PIER EXTENSION	8,776	149
C	PISCATAQUA RIVER (E1UBL)	SOUTH PIER EXTENSION	7,810	80
D	PISCATAQUA RIVER (E1UBL)	FLOATING DOCK	820	80
E	TIDAL BUFFER ZONE (DEVELOPED)	GRADING	48,840	N/A
F	TIDAL BUFFER ZONE (DEVELOPED)	GRADING	4,230	N/A
G	PISCATAQUA RIVER (E1UBL)	RPRAP	600	18

**NOTES:**  
 1. TOPOGRAPHIC SURVEY PERFORMED BY DOUCET SURVEY, IN MAY AND JULY 2018 USING VARIOUS SURVEY METHODS. FEATURES SHOWN CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS EXISTING AT THAT TIME.

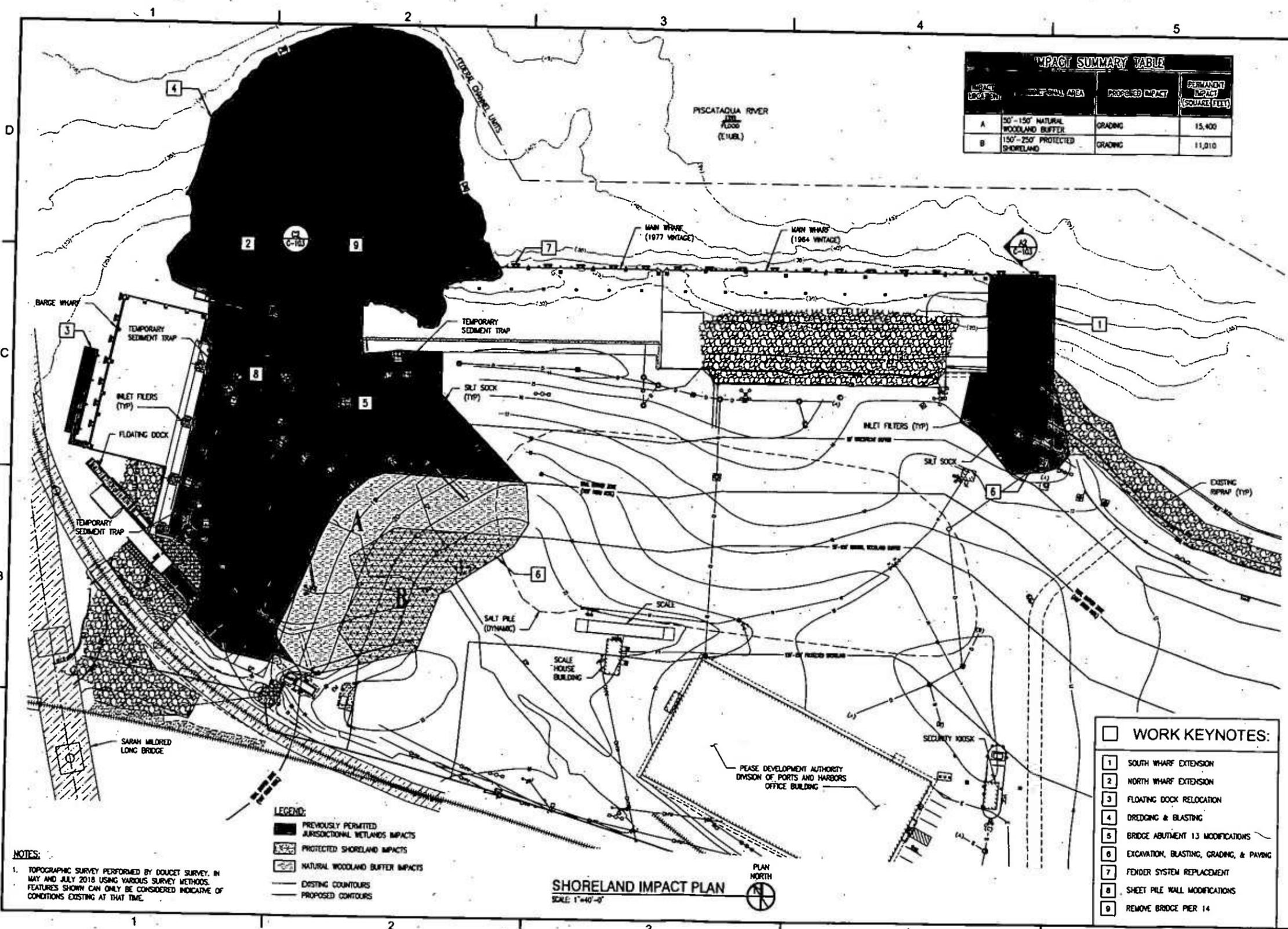
**LEGEND:**  
 [Solid Black] PERMANENT IMPACTS  
 [Hatched] SHORELAND IMPACTS  
 [Dashed Line] EXISTING CONTOURS  
 [Solid Line] PROPOSED CONTOURS

**WETLAND IMPACT PLAN**  
 SCALE 1"=47'-0"



- WORK KEYNOTES:**
- 1 SOUTH WHARF EXTENSION
  - 2 NORTH WHARF EXTENSION
  - 3 FLOATING DOCK RELOCATION
  - 4 DREDGING & BLASTING
  - 5 BRIDGE ABUTMENT 13 MODIFICATIONS
  - 6 EXCAVATION, BLASTING, GRADING, & PAVING
  - 7 FENDER SYSTEM REPLACEMENT
  - 8 SHEET PILE WALL MODIFICATIONS
  - 9 REMOVE BRIDGE PIER 14

PEASE DEVELOPMENT AUTHORITY DIVISION OF PORTS AND HARBORS, 555 MARKET STREET, PORTSMOUTH, NH WAREHOUSING STREET MARINE TERMINAL <b>FUNCTIONAL REPLACEMENT BARGE DOCK</b> WETLAND IMPACT PLAN		PROJECT No.: 5213 SHEET No.: 8 OF 18 SCALE: AS SHOWN DATE: C-101 SHEET 8 OF 18
Appolders Marine Engineering, LLC 400 Main St. Ste. 1 Portsmouth, NH 03801 TEL: 603.866.1111 FAX: 603.866.1112 WWW: www.appolders.com		REVISION DATE BY



IMPACT LOCATION	FUNCTIONAL AREA	PROPOSED IMPACT	PERMANENT IMPACT (SQUARE FEET)
A	50'-150' NATURAL WOODLAND BUFFER	GRADING	15,400
B	150'-250' PROTECTED SHORELAND	GRADING	11,010

**NOTES:**  
 1. TOPOGRAPHIC SURVEY PERFORMED BY DOUCET SURVEY, IN MAY AND JULY 2018 USING VARIOUS SURVEY METHODS. FEATURES SHOWN CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS EXISTING AT THAT TIME.

**LEGEND:**  
 [Solid Black] PREVIOUSLY PERMITTED JURISDICTIONAL WETLANDS IMPACTS  
 [Hatched] PROTECTED SHORELAND IMPACTS  
 [Dotted] NATURAL WOODLAND BUFFER IMPACTS  
 [Dashed] EXISTING CONTOURS  
 [Solid] PROPOSED CONTOURS

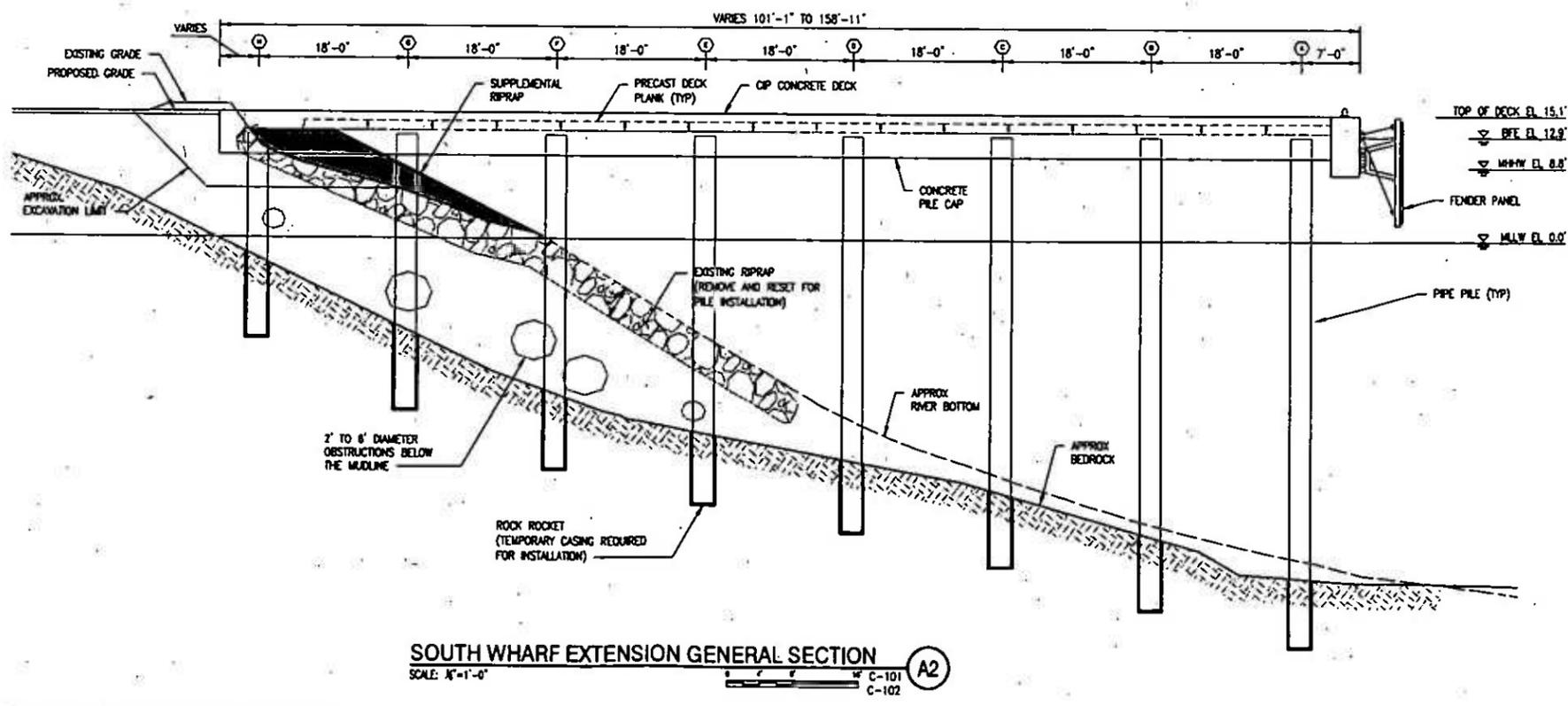
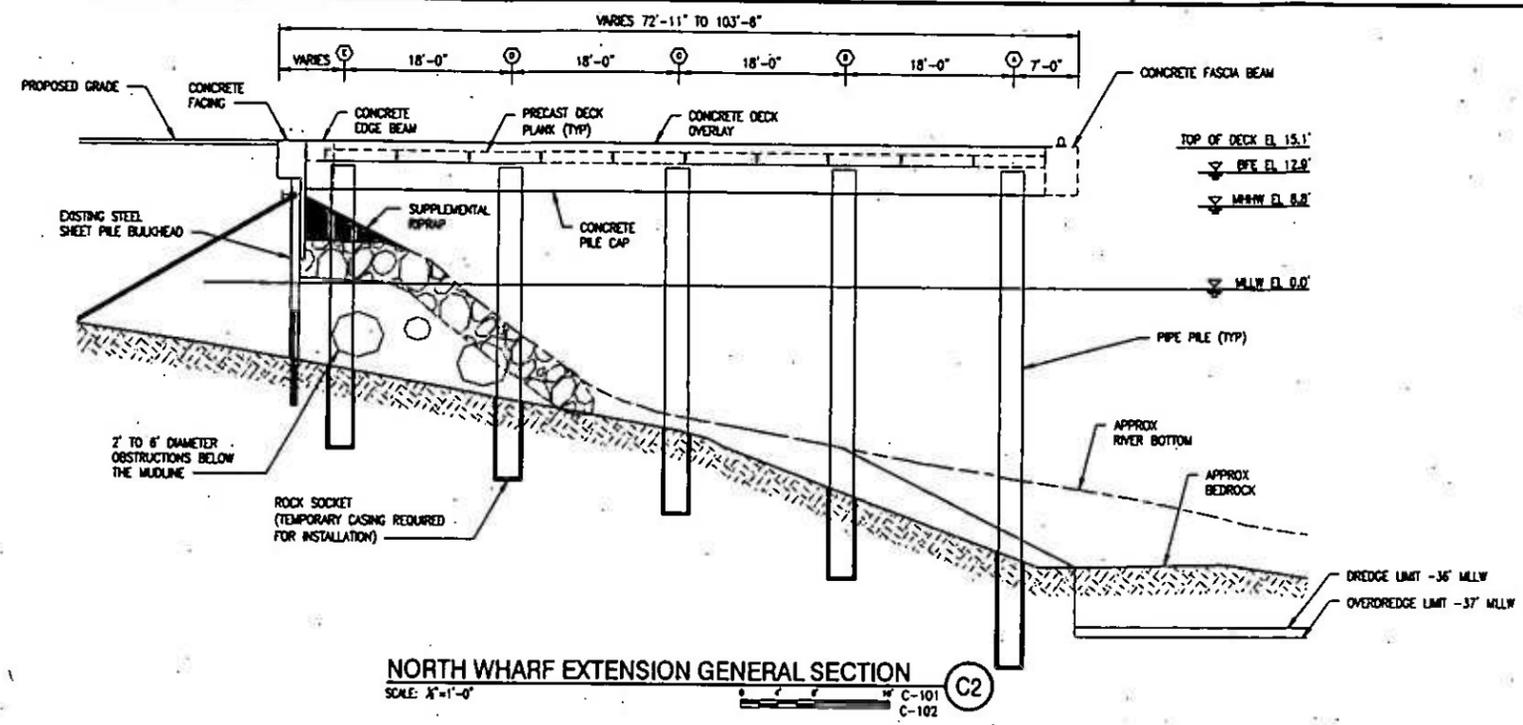
**SHORELAND IMPACT PLAN**  
 SCALE: 1"=40'-0"  
 PLAN NORTH

- WORK KEYNOTES:**
- 1 SOUTH WHARF EXTENSION
  - 2 NORTH WHARF EXTENSION
  - 3 FLOATING DOCK RELOCATION
  - 4 DREDGING & BLASTING
  - 5 BRIDGE ABUTMENT 13 MODIFICATIONS
  - 6 EXCAVATION, BLASTING, GRADING, & PAVING
  - 7 FENDER SYSTEM REPLACEMENT
  - 8 SHEET PILE WALL MODIFICATIONS
  - 9 REMOVE BRIDGE PIER 14

PEASE DEVELOPMENT AUTHORITY DIVISION OF PORTS AND HARBORS, 555 MARKET STREET, PORTSMOUTH, NH MARKET STREET MARINE TERMINAL <b>FUNCTIONAL REPLACEMENT BARGE DOCK</b>		PEASE DEVELOPMENT AUTHORITY DIVISION OF PORTS AND HARBORS, 555 MARKET STREET, PORTSMOUTH, NH MARKET STREET MARINE TERMINAL <b>SHORELAND IMPACT PLAN</b>	
PROJECT No.	6213	DATE	02/20/2019
DESIGNED BY	DLH	CHECKED BY	NJE
SCALE	AS SHOWN	DATE	02/20/2019
Applidore Marine Engineering, LLC 400 State St. Suite 2 Portsmouth, NH 03801 TEL: 603.233.1111 FAX: 603.233.1112 WWW.AMENGINEERING.COM		DATE	02/20/2019
NO.	1	DESCRIPTION	PRELIMINARY
NO.	2	DESCRIPTION	FOR PERMITTING
NO.	3	DESCRIPTION	FOR PERMITTING
NO.	4	DESCRIPTION	FOR PERMITTING
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NO.	50	DESCRIPTION	FOR PERMITTING

ELEVATION REFERENCE TABLE	
REFERENCE	MLW
DECK ELEVATION	13.10
BASE FLOOD ELEVATION (BFE)	12.88
HIGHEST OBSERVED TIDE (02/07/1978)	12.52
HIGHEST ASTRONOMICAL TIDE (HAT) (08/15/1995)	10.52
MEAN HIGHER HIGH WATER (MHHW)	8.84
MEAN HIGH WATER (MHW)	8.43
NORTH AMERICAN VERTICAL DATUM (NAVD83)	4.82
MEAN SEA LEVEL (MSL)	4.43
MEAN TIDE LEVEL (MTL)	4.38
NATIONAL GEODETIC VERTICAL DATUM (NGVD29)	3.86
MEAN LOW WATER (MLW)	0.32
MEAN LOWER LOW WATER (MLLW)	0.00
LOWEST ASTRONOMICAL TIDE (LAT)	-1.67
LOWEST OBSERVED WATER LEVEL (11/30/1955)	-3.35

THE LOCAL TIDAL DATUM INFORMATION AND THE RELATIONSHIP BETWEEN LOCAL TIDE AND NAVD83 IS BASED ON DATA PUBLISHED BY THE U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SERVICE FOR STATION "SEAVEY ISLAND, PORTSMOUTH HARBOR", STATION ID: 8419870, TIDAL EPOCH 1983-2001.



NO.	REVISION	DATE	DESCRIPTION

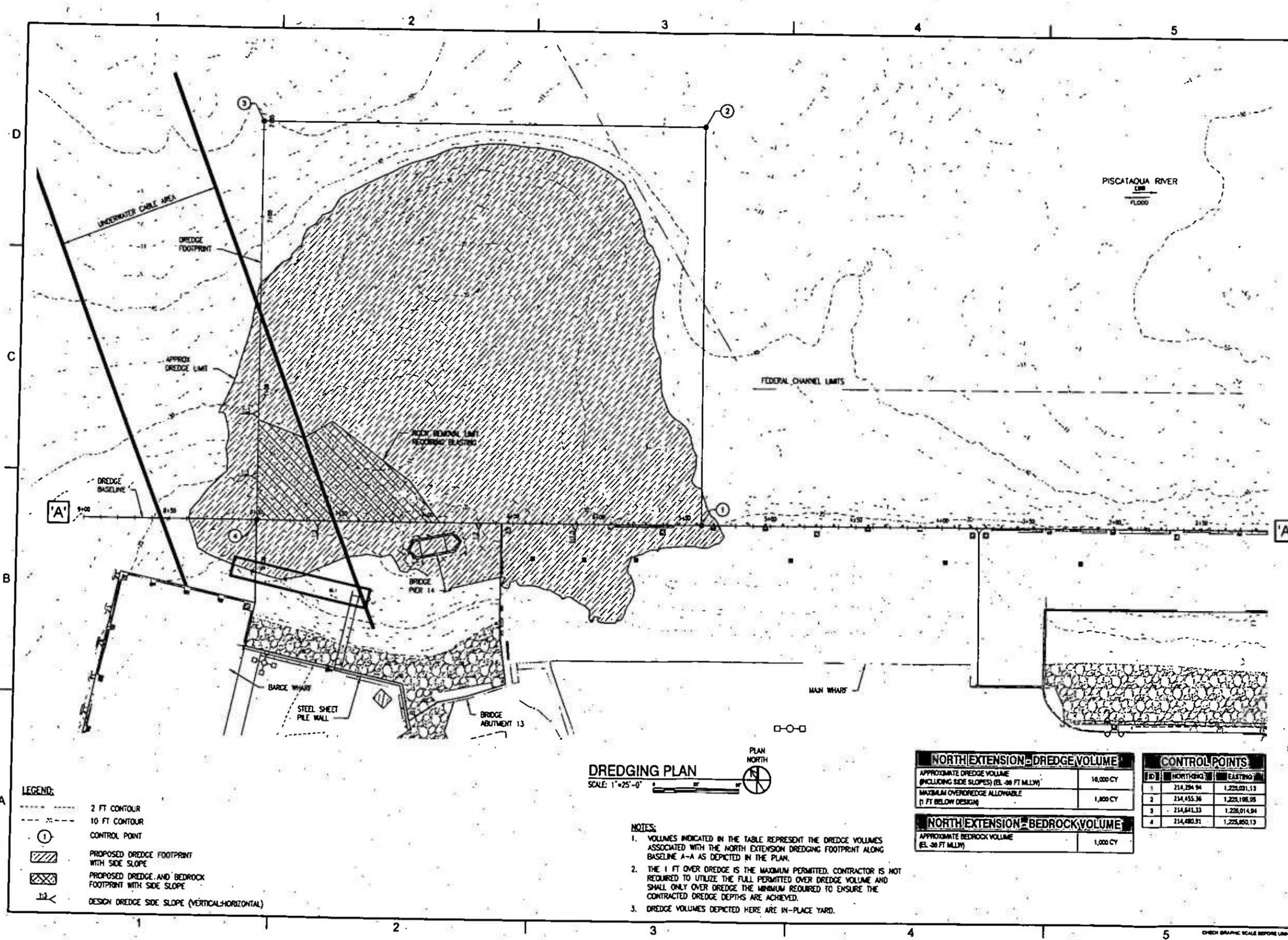
Appledore Marine Engineering, LLC  
100 State St. Suite 2  
Portsmouth, NH 03801  
Tel: 603.431.1111  
Fax: 603.431.1112  
www.appledoremarine.com

PEASE DEVELOPMENT AUTHORITY  
DIVISION OF PORTS AND HARBORS, 555 MARKET STREET, PORTSMOUTH, NH  
MARKET STREET MARINE TERMINAL  
FUNCTIONAL REPLACEMENT BARGE DOCK

PROJECT No.: 0213  
DESIGNED BY: [Signature]  
CHECKED BY: [Signature]  
DATE: [Date]  
SCALE: AS SHOWN  
C-103

SHEET 10 OF 18

CHECK GRAPHIC SCALE BEFORE USING.



**LEGEND:**

- - - 2 FT CONTOUR
- - - 10 FT CONTOUR
- CONTROL POINT
- ▨ PROPOSED DREDGE FOOTPRINT WITH SIDE SLOPE
- ▩ PROPOSED DREDGE AND BEDROCK FOOTPRINT WITH SIDE SLOPE
- 1:3 DESIGN DREDGE SIDE SLOPE (VERTICAL:HORIZONTAL)

**DREDGING PLAN**  
SCALE: 1"=25'-0"

NORTH EXTENSION DREDGE VOLUME	
APPROXIMATE DREDGE VOLUME (INCLUDING SIDE SLOPES) (EL. -38 FT MLLW)	10,000 CY
MAXIMUM OVERDREDGE ALLOWABLE (1 FT BELOW DESIGN)	1,000 CY

NORTH EXTENSION BEDROCK VOLUME	
APPROXIMATE BEDROCK VOLUME (EL. -38 FT MLLW)	1,000 CY

CONTROL POINTS		
ID	NORTHING	EASTING
1	214,254.94	1,228,091.13
2	214,455.36	1,228,106.95
3	214,641.33	1,228,014.94
4	214,480.91	1,228,050.13

- NOTES:**
- VOLUMES INDICATED IN THE TABLE REPRESENT THE DREDGE VOLUMES ASSOCIATED WITH THE NORTH EXTENSION DREDGING FOOTPRINT ALONG BASELINE A-A AS DEPICTED IN THE PLAN.
  - THE 1 FT OVER DREDGE IS THE MAXIMUM PERMITTED. CONTRACTOR IS NOT REQUIRED TO UTILIZE THE FULL PERMITTED OVER DREDGE VOLUME AND SHALL ONLY OVER DREDGE THE MINIMUM REQUIRED TO ENSURE THE CONTRACTED DREDGE DEPTHS ARE ACHIEVED.
  - DREDGE VOLUMES DEPICTED HERE ARE IN-PLACE YARD.

REVISIONS	
NO.	DESCRIPTION

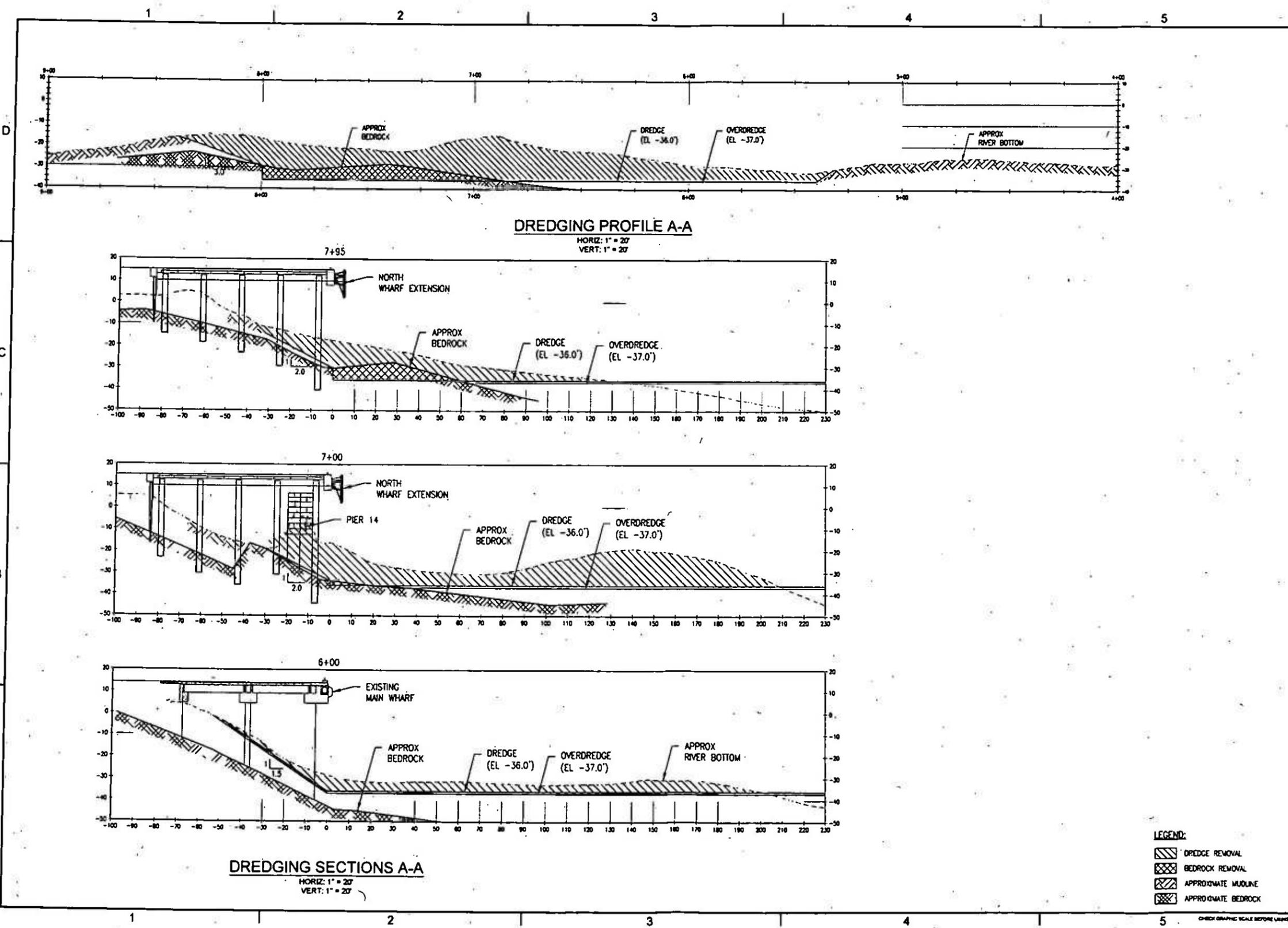
<p><b>Appledore Marine Engineering, LLC</b> 400 Park St., Suite 200 Portsmouth, New Hampshire 03801 Tel: 603.886.1000 Fax: 603.886.1001</p>	<p>PROJECT No: 5213 DATE: 01/20/2011 DRAWN BY: BMD CHECKED BY: DLM DESIGNED BY: NAE SCALE: AS SHOWN</p>
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**PEASE DEVELOPMENT AUTHORITY**  
DIVISION OF PORTS AND HARBORS, 555 MARKET STREET, PORTSMOUTH, NH  
MARKET STREET MARINE TERMINAL  
**FUNCTIONAL REPLACEMENT BARGE DOCK**

**DREDGING PLAN**

SHEET 11 OF 18



**DREDGING PROFILE A-A**  
 HORIZ: 1" = 20'  
 VERT: 1" = 20'

**DREDGING SECTIONS A-A**  
 HORIZ: 1" = 20'  
 VERT: 1" = 20'

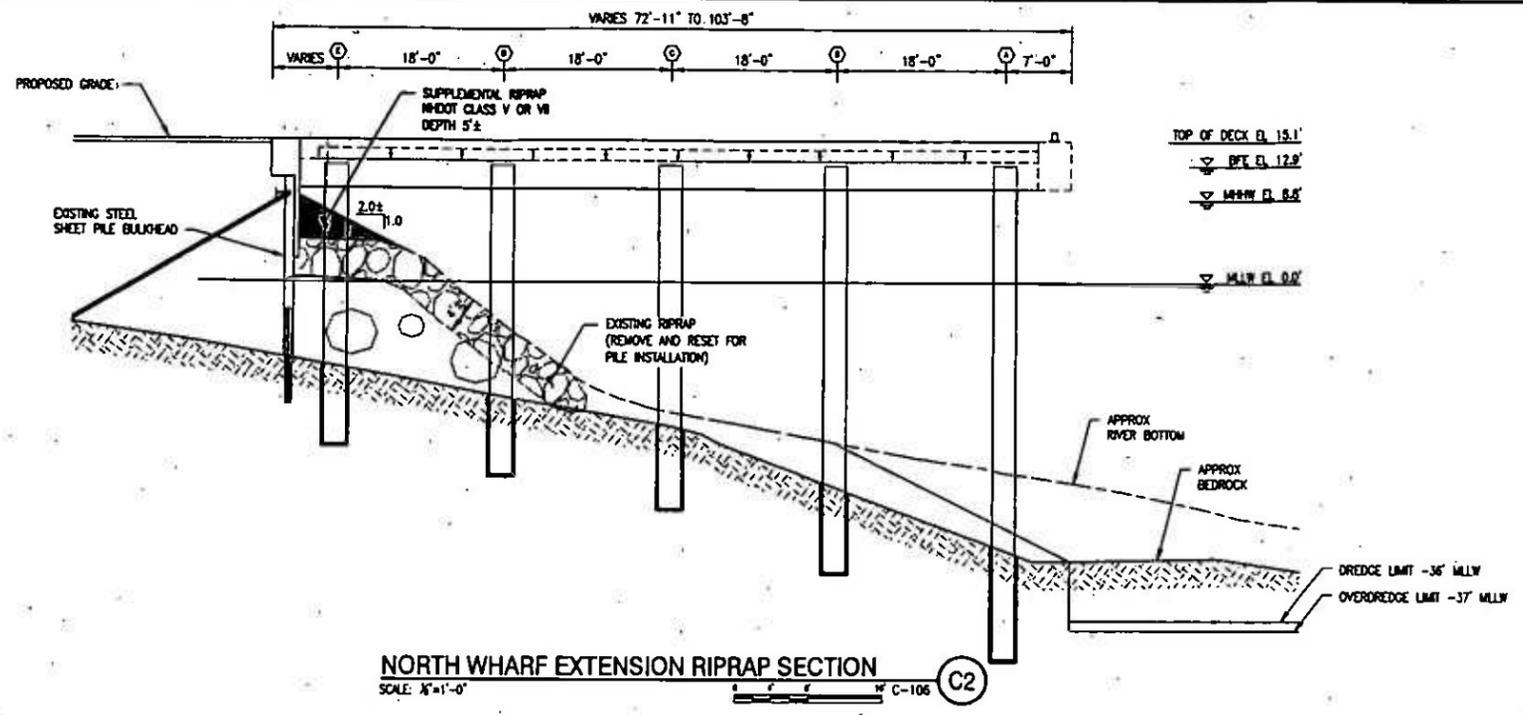
- LEGEND:**
- DREDGE REMOVAL
  - BEDROCK REMOVAL
  - APPROXIMATE MUDLINE
  - APPROXIMATE BEDROCK

PEASE DEVELOPMENT AUTHORITY DIVISION OF PORTS AND HARBORS, 555 MARKET STREET, PORTSMOUTH, NH MARKET STREET MARINE TERMINAL <b>FUNCTIONAL REPLACEMENT BARGE DOCK</b>		PROJECT No. 5213 ON THE PLANS 10'-0" x 11'-0" (241.32m x 335.28m) DRAWN BY: BMD CHECKED BY: DFL DATE: 11/11/11 SHEET No. 12 OF 18	
Appledore Marine Engineering, LLC 400 West 8th Street Portsmouth, New Hampshire 03801 603.433.1234		REVISIONS NO. DATE DESCRIPTION 1 11/11/11	

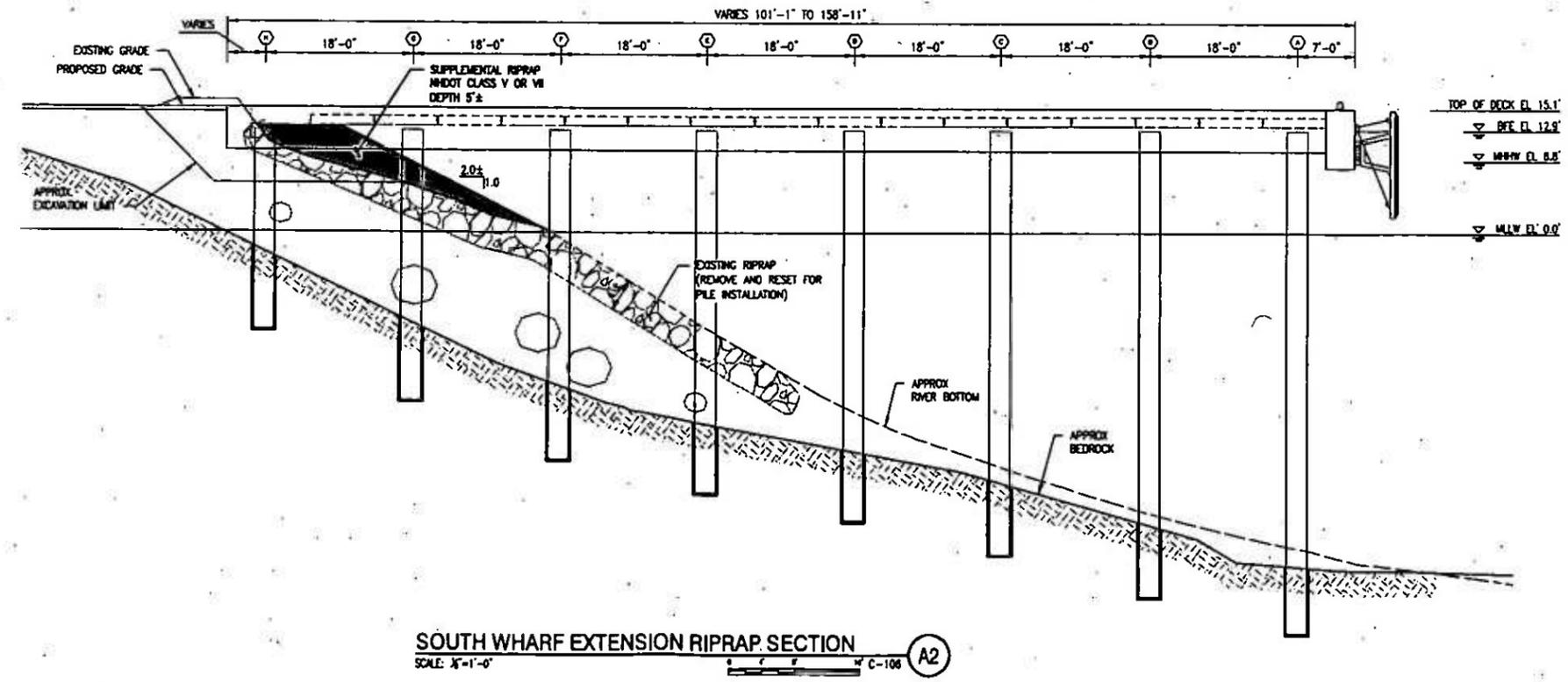
CHECK GRAPHIC SCALE BEFORE USING.



RIPRAP SUMMARY TABLE						
RIPOUT CLASS	NO. OF PILES	NO. OF PILES PER SECTION				
V	18	36	1.5	3.5	8.5	22
VI	24	48	3	8	19	53



**NORTH WHARF EXTENSION RIPRAP SECTION**  
SCALE: 1/4"=1'-0" C-106 C2



**SOUTH WHARF EXTENSION RIPRAP SECTION**  
SCALE: 1/4"=1'-0" C-106 A2

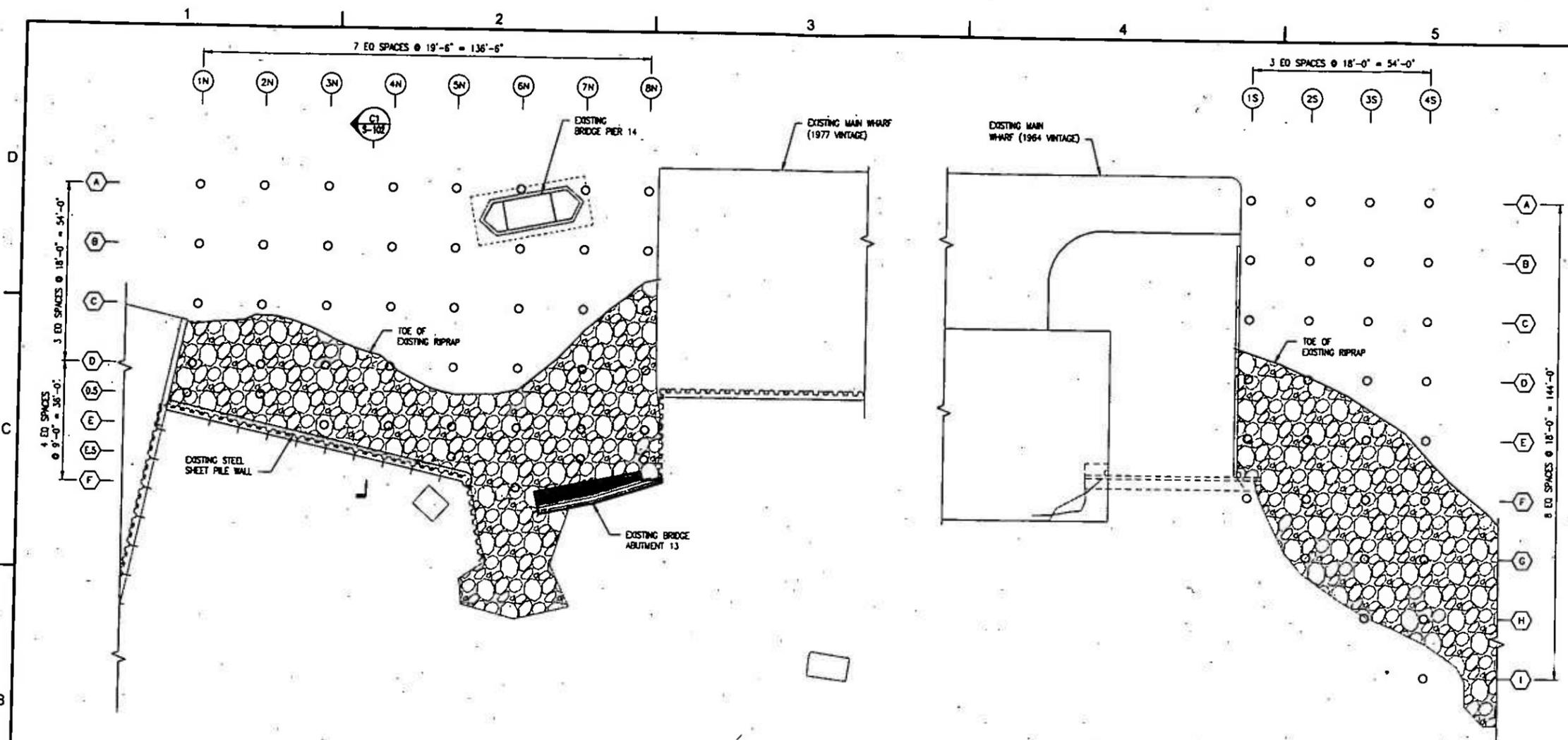
NO.	REVISION	DATE	BY

Appoldo Marine Engineering, LLC  
 40 West 11th Street  
 Portland, ME 04101  
 Tel: 603.733.1111

PEASE DEVELOPMENT AUTHORITY  
 DIVISION OF PORTS AND HARBORS, 555 MARKET STREET, PORTSMOUTH, NH  
 MARKET STREET MARINE TERMINAL  
**FUNCTIONAL REPLACEMENT BARGE DOCK**  
 RIPRAP SECTIONS

PROJECT No.: 0213  
 NO. OF SHEETS: 18  
 SHEET No.: C-106  
 DATE: 10/24/11  
 DRAWN BY: JLE  
 CHECKED BY: JLE  
 SCALE: AS SHOWN  
 C-107  
 SHEET 14 OF 18

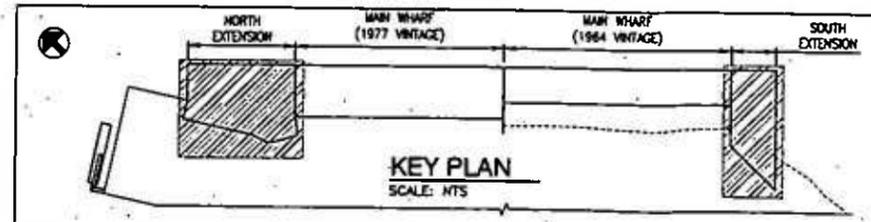
CHECK GRAPHIC SCALE BEFORE USE.



**NORTH WHARF EXTENSION PILE PLAN**  
SCALE: 1/4"=1'-0"

**SOUTH WHARF EXTENSION PILE PLAN**  
SCALE: 1/4"=1'-0"

- LEGEND:**
- ① PILE BENT DESIGNATION
  - ⬡ PILE ROW DESIGNATION
  - CONCRETE FILLED 30" DIA STEEL PIPE PILE

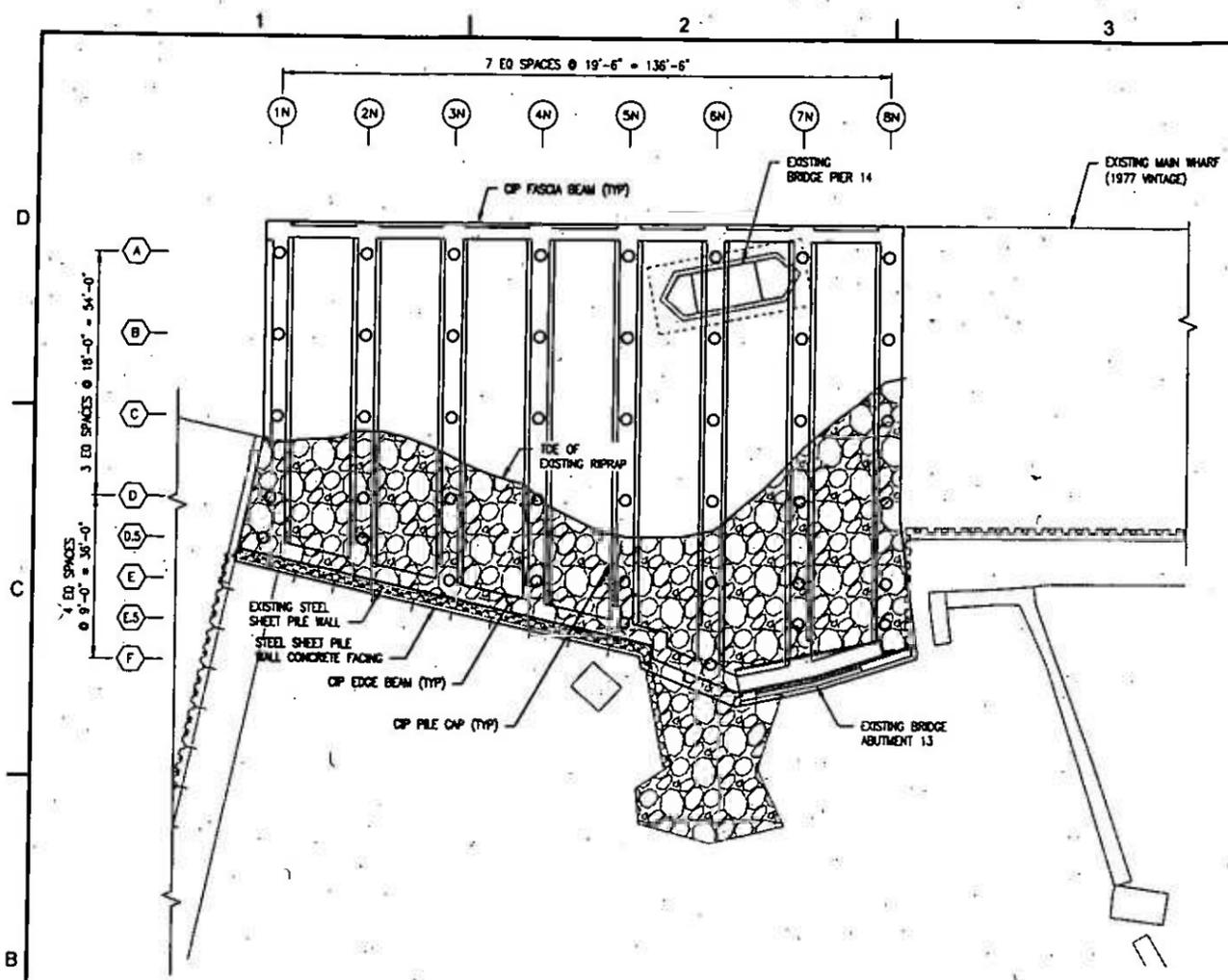


**KEY PLAN**  
SCALE: NTS

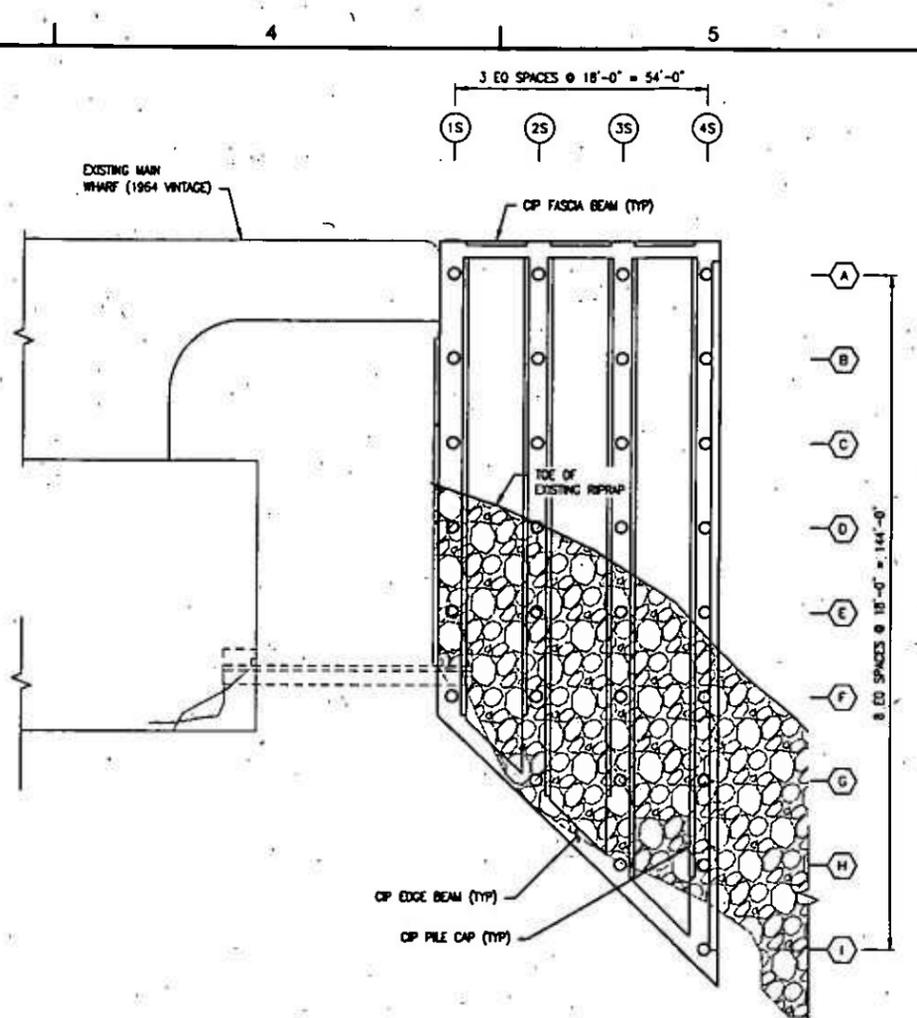
<b>PEASE DEVELOPMENT AUTHORITY</b> DIVISION OF PORTS AND HARBORS, 555 MARKET STREET, PORTSMOUTH, NH MARKET STREET MARINE TERMINAL <b>FUNCTIONAL REPLACEMENT BARGE DOCK</b>		<b>PILE PLAN</b>									
<b>Appledore Marine Engineering, LLC</b> 400 State St. Suite E Portsmouth, New Hampshire 02871 603.433.1827 www.appledoremarine.com	REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	DESCRIPTION							PROJECT NO.: S213 SHEET NO.: S-101 DATE: 11/15/2011 DRAWN BY: NRE CHECKED BY: NRE SCALE: AS SHOWN S-101 SHEET 15 OF 18
NO.	DATE	DESCRIPTION									

CHECK GRAPHIC SCALE BEFORE USING.

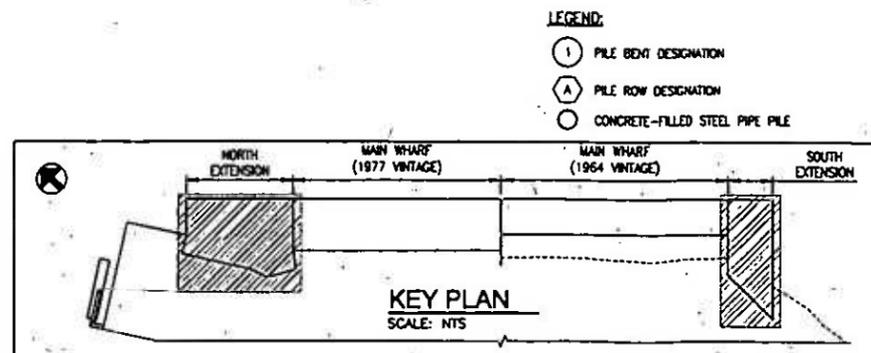




**NORTH WHARF EXTENSION FRAMING PLAN**  
 SCALE: 1/8"=1'-0"  
 PLAN NORTH



**SOUTH WHARF EXTENSION FRAMING PLAN**  
 SCALE: 1/8"=1'-0"  
 PLAN NORTH



**KEY PLAN**  
 SCALE: NTS

- LEGEND:**
- ① PILE BENT DESIGNATION
  - Ⓐ PILE ROW DESIGNATION
  - CONCRETE-FILLED STEEL PIPE PILE

PEASE DEVELOPMENT AUTHORITY DIVISION OF PORTS AND HARBORS, 555 MARKET STREET, PORTSMOUTH, NH MARKET STREET MARINA TERMINAL <b>FUNCTIONAL REPLACEMENT BARGE DOCK</b>		PROJECT No.: 5213 DATE: 08/14/14 DRAWN BY: SMD CHECKED BY: MEM DESIGNED BY: NJE DATE OF ISSUE: 08/14/14	
Appledore Marine Engineering, LLC 100 Main St., Suite 1 Portsmouth, New Hampshire 03801 603.433.7272		REVISIONS NO. DATE DESCRIPTION 1 2 3 4 5	
FRAMING PLAN		S-103	
SHEET 17 OF 18		CHECK GRAPHIC SCALE BEFORE USING.	

