



AMBIT ENGINEERING, INC. CIVIL ENGINEERS AND LAND SURVEYORS
200 Griffin Road, Unit 3, Portsmouth, NH 03801 Phone (603) 430-9282 Fax 436-2315

3 September 2019

Wetland Inspector
New Hampshire Department of Environmental Services
Wetlands Bureau
29 Hazen Drive / P.O. Box 95
Concord, New Hampshire 03302

**Re: NHDES Major Impact Wetland Permit Application
Tax Map 141, Lot 30
1 Jackson Hill Street
Portsmouth, New Hampshire**

Dear Wetland Inspector:

This letter transmits a New Hampshire Department of Environmental Services (NHDES) Major Impact Wetland Permit Application request to permit 346 sq. ft. of permanent impact to tidal wetlands and 32 sq. ft. of permanent impact to the previously developed 100' Tidal Buffer Zone for construction of a docking structure consisting of a 4' x 8' accessway, a 4' x 20' fixed wood pier, a 3' x 22' aluminum gangway, and a 10' x 20' float (overall structure length 62') providing one slip on 65 +/- feet of frontage along the Piscataqua River.

Attached to this application you will find a "NH DES Permit Plan-C2" which depicts the existing lot, jurisdictional areas, abutting parcels, existing structures, proposed work, and permanent impact areas.

According to the "Classification of Wetlands and Deepwater Habitats of the United States" (USFWS December 1979) the tidal wetland associated with the site would be classified as estuarine intertidal unconsolidated shore mud wetland system that is regularly flooded by the tide (E2US3N).

The location of the proposed tidal docking structure has been designed to provide the shortest structure possible, while providing water under the float for the longest duration of the tide cycle. Additionally, the proposal provides float stops to keep the float a minimum of 18" inches off the mud at low tide.

The proposed structure will be constructed on pilings within the tidal wetland further reducing permanent impacts to the tidal wetland resource. The project will have no impact on the functions and values of the adjacent tidal wetland. The docking structure has been designed to allow the adjacent tidal resource to maintain its current functions and values. The docking structure will not contribute to additional storm water or pollution. It is anticipated that there will be no affect on any fish and wildlife species that currently use the site for food, cover, and/or habitat. The tidal docking structure will not impede tidal flow or alter hydrology, it will not deter use by wildlife species that currently use the wetland area, and it will not impede any migrational fish movement. The float and gangway will be temporary docking structures and will be removed during winter months as to not interfere with ice floe.

The docking structure has been designed to provide recreational boating access utilizing the natural grade of the dock location. There is no grading of the shoreline required to construct the dock. There will be no construction activity that will disturb the area adjacent to the use. All work will be performed from a crane

barge at low tide. Piles to be driven are above the Mean Low Low Water (MLLW) line and there is no need for erosion control. There will be no water in this location during pile driving and therefore no temporary disturbance associated with construction. The barge floats into position and the piles are driven by the crane equipped with a vibratory hammer. This method eliminates any contact of construction equipment with the protected resource. Portions of the docking structure are pre-fabricated off site and transported to the site via crane barge.

The construction sequence for the proposed structure are as follows:

- Mobilization of a crane barge, push boat, work skiff, materials and prefabricated components such as the gangway and float to the site via the Piscataqua River.
- Mobilization of equipment trucks to the site.
- The barge will be positioned alongside the proposed location of the new dock and waterward of any emergent vegetation to minimize impacts.
- Installation of the sub structure will be performed from a crane barge or skiff to reduce the amount of foot traffic in the intertidal area.
- All work will be performed at low tide to minimize sedimentation.
- Piles will be mechanically driven by a crane eliminating any excavation for installation of the pilings. Piles are driven to refusal.
- Piles are cut and beam caps are installed and the super structure of the pier is built. Materials are lifted from the barge and set into position by the crane.
- Once the pier is complete, the gangway and float are brought into position and installed.

The project represents the alternative with the least adverse impacts to areas and environments while allowing reasonable use of the property.

In order to complete the application package for this project, the DES Wetlands Bureau rules in Chapter Env-Wt 300 have been thoroughly reviewed, specifically Env-Wt 302.04 (a) which are addressed below.

1. The need for the proposed impact;

The impacts are needed for a docking structure to provide boating access to the Piscataqua River.

2. The alternative proposed by the applicant is the one with the least impact to wetlands or surface waters on site;

The proposed structure will have a minimum pier height of approximately 4 feet and greater to prevent total shading underneath the structure and it will be constructed on piles within the tidal wetland further reducing permanent impacts to the tidal wetland resource.

3. The type and classification of the wetlands involved;

The project proposes impacts to jurisdictional tidal wetlands. The tidal wetlands to be impacted would be classified as estuarine intertidal unconsolidated shore mud wetland system that is regularly flooded by the tide (E2US3N).

4. The relationship of the proposed wetlands to be impacted relative to nearby wetlands and surface waters;
The impacts are to jurisdictional tidal wetlands. The wetlands located adjacent to the property are part of a larger tidal wetland system, the Piscataqua River, which is connected to the Atlantic Ocean.
5. The rarity of the wetland, surface water, sand dunes, or tidal buffer zone area;
A majority of the tidal buffer zone on adjacent properties is previously developed, contain similar docking structures, and the adjacent wetlands are not locally rare or unique.
6. The surface area of the wetlands that will be impacted;
The project proposes 346 sq. ft. of permanent impacts to jurisdictional tidal wetlands.
7. The impact on plants, fish and wildlife including, but not limited to;
 - a. Rare, special concern species;
 - b. State and federally listed threatened and endangered species;
 - c. Species at the extremities of their range;
 - d. Migratory fish and wildlife;
 - e. Exemplary natural communities identified by the DRED-NHB; and
 - f. Vernal pools.

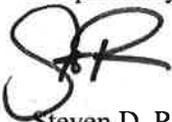
A review of the New Hampshire Natural Heritage Bureau (NHB) was performed and it was determined that there were no known NHB records in the vicinity of the proposed project. Utilizing the NH Coastal Viewer on the UNH GRANIT system, attached are the following maps (with approximate location of the docking structure) of the site for your use: Highest Ranked Wildlife Habitat, 2017 Eelgrass, and Wildlife Habitat Cover. Also attached, are the results of an Essential Fish Habitat Query from the NOAA Essential Fish Habitat online resource. The NOAA Essential Fish Habitat report identifies no habitat areas of particular concern. Given the nature of the project, it is anticipated that there will be no affect on any fish and wildlife species that currently use the site for food, cover, and/or habitat. The tidal docking structure will not impede tidal flow or alter hydrology, it will not deter use by wildlife species that currently use the wetland area, and it will not impede any migrational fish movement.

8. The impact of the proposed project on public commerce, navigation and recreation;
The project will have no impact on public commerce, navigation and recreation. The portion of the Piscataqua River on which the docking structure is proposed will not interfere with the navigational channel as one does not occur in this section of the river. Given this factor, the proposed project will have no impact on public commerce, navigation, and recreation.
9. The extent to which the project interferes with the aesthetic interests of the general public;
Nearby lots are also residential and have similar tidal docking structures.
10. The extent to which a project interferes with or obstructs public rights of passage or access;
The project does not interfere with any rights of passage or access.
11. The impact to abutting owners pursuant to RSA 482-A:11, II;
The specific location of the impact areas do not interfere with any abutters.
12. The benefit of a project to the health, safety, and well being of the general public;
The project provides safe boating and recreational access to the Piscataqua River, a public water.

13. The impact of the proposed project on quantity or quality of surface and ground water;
The project will not result in an increase of stormwater quality, and will have no effect on the stormwater quality leaving the site and entering the Piscataqua River, a public water.
14. The potential of a proposed project to cause or increase flooding, erosion or sedimentation;
The proposed project will not increase flooding, erosion or sedimentation.
15. The extent to which a project that is located in surface waters reflects or redirects current or wave energy which might cause damage or hazards;
The project will have no impacts to currents or wave energy within surface waters. Additionally, the float and ramp will be temporary docking structures and will be removed during winter months as to not interfere with ice floe.
16. The cumulative impact that would result if all parties owning or abutting a portion of the affected wetland or wetland complex were also permitted alterations to the wetland proportional to the extent of their property rights;
Nearby properties are residential, located adjacent to the same tidal wetland system, and nearby properties surrounding the water body also have similar docking structures. Cumulative impacts if all parties surrounding the water body had similar docking structures is insignificant as tidal docks are designed to minimize impact, do not contribute to additional stormwater or pollution, and do not impede fish migration or deter use by wildlife species.
17. The impact of the proposed project on the functions and values of the total wetland or wetland complex;
The project will have no significant impact on the functions and values of the adjacent tidal wetland. The docking structure has been designed to allow the adjacent tidal resource to maintain its current functions and values.
18. The impact upon the value of the sites included in the latest published edition of the National Register of Natural Landmarks, or sites eligible for such publication;
There are no such sites located in close enough proximity to the project to be impacted.
19. The impact upon the value of areas named in acts of congress or presidential proclamations as national rivers, national wilderness areas, national lakeshores, and such areas as may be established under federal, state, or municipal laws for similar and related purposes such as estuarine and marine sanctuaries;
There are no such sites located in close enough proximity to the project to be impacted.
20. The degree to which a project redirects water from one watershed to another;
The project does not redirect water to another watershed.

Please contact me if you have any questions or concerns regarding this application.

Respectfully submitted,



Steven D. Riker, CWS
NH Certified Wetland Scientist/Permitting Specialist
Ambit Engineering, Inc.

27 August, 2019

To Whom It May Concern:

RE: State of New Hampshire DES Wetlands Bureau Standard Dredge and Fill application for proposed docking structure within the previously developed 100' Tidal Buffer Zone and jurisdictional wetlands for Jackson Hill Condominium 1 Jackson Hill Street Portsmouth, NH 03801

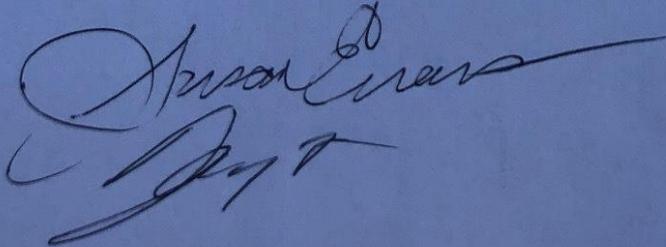
This letter is to inform the State of New Hampshire DES and the City of Portsmouth in accordance with State Law that the following entities:

Riverside Marine Construction, Inc.
Ambit Engineering, Inc.

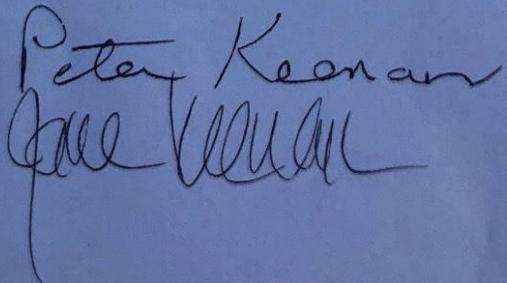
Are individually authorized to represent us as our agents in the approval process.
Please feel free to call us if there is any question regarding this authorization.

Sincerely,

Susan Evans
Darrell Moreau
1 Jackson Hill Street Unit B
Portsmouth, NH 03801



Jane Keenan
Peter Keenan
1 Jackson Hill Street Unit A
Portsmouth, NH 03801





WETLANDS PERMIT APPLICATION

Water Division/ Wetlands Bureau
Land Resources Management



Check the status of your application: 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: ___ Day: ___ Year: ____
 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: **1 Jacson Hill Street** TOWN/CITY: **Portsmouth**
 TAX MAP: **141** BLOCK: _____ LOT: **30** UNIT: _____
 USGS TOPO MAP WATERBODY NAME: **Piscataqua River** NA STREAM WATERSHED SIZE: NA
 LOCATION COORDINATES (If known): **X: 1,224,794.2864 Y: 212,879.3101** Latitude/Longitude UTM State Plane

4. 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 project proposes 346 sq. ft. of permanent impact to tidal wetlands and 32 sq. ft. of permanent impact to the previously developed 100' Tidal Buffer Zone for construction of a docking structure consisting of a 4' x 8' accessway, a 4' x 20' fixed wood pier, a 3' x 22' aluminum gangway, and a 10' x 20' float (overall structure length 62') providing one slip on 65 +/- feet of frontage along the Piscataqua River.

5. SHORELINE FRONTAGE:

N/A This does not have shoreline frontage. SHORELINE FRONTAGE: **65**
 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input 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 19 - 2831 .

b. This project is within a [Designated River](#) corridor. The project is within ¼ 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.

lrn@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

8. APPLICANT INFORMATION (Desired permit holder)			
LAST NAME, FIRST NAME, M.I.: Jackson Hill Condominium			
TRUST / COMPANY NAME: C/O Darrell Moreau		MAILING ADDRESS: 1 Jackson Hill Street	
TOWN/CITY: Portsmouth		STATE: NH	ZIP CODE: 03801
EMAIL or FAX: darrell.moreau@puresafetygroup.com		PHONE: 603-512-5116	
ELECTRONIC COMMUNICATION: By initialing here: _____, I hereby authorize NHDES to communicate all matters relative to this application electronically.			
9. PROPERTY OWNER INFORMATION (If different than applicant)			
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.			
10. AUTHORIZED AGENT INFORMATION			
LAST NAME, FIRST NAME, M.I.: Riker, Steven, D.		COMPANY NAME: Ambit Engineering, Inc.	
MAILING ADDRESS: 200 Griffin Road, Unit 3			
TOWN/CITY: Portsmouth		STATE: NH	ZIP CODE: 03801
EMAIL or FAX: sdr@ambitengineering.com		PHONE: 603-430-9282	
ELECTRONIC COMMUNICATION: By initialing here <i>SR</i> , I hereby authorize NHDES to communicate all matters relative to this application electronically.			
11. PROPERTY OWNER SIGNATURE:			
See the Instructions & Required Attachments document for clarification of the below statements			
By signing the application, I am certifying that:			
<ol style="list-style-type: none"> 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. I have reviewed and submitted information & attachments outlined in the Instructions and Required Attachment document. All abutters have been identified in accordance with RSA 482-A:3, I and Env-Wt 100-900. I have read and provided the required information outlined in Env-Wt 302.04 for the applicable project type. I have read and understand Env-Wt 302.03 and have chosen the least impacting alternative. 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. I have submitted a Request for Project Review (RPR) Form (www.nh.gov/nhdhr/review) 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. I authorize NHDES and the municipal conservation commission to inspect the site of the proposed project. I have reviewed the information being submitted and that to the best of my knowledge the information is true and accurate. I understand that the willful submission of falsified or misrepresented information to the NHDES is a criminal act, which may result in legal action. I am aware that the work I am proposing may require additional state, local or federal permits which I am responsible for obtaining. The mailing addresses I have provided are up to date and appropriate for receipt of NHDES correspondence. NHDES will not forward returned 			
 Property Owner Signature		Agent-See Authorization Steven D. Riker Print name legibly	9 / 3 / 2019 Date

irm@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

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.

	Print name legibly	Town/City	Date
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DIRECTIONS FOR TOWN/CITY CLERK:

Per RSA 482-A:3,I

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.

irm@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

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	/ <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)	32 <input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Previously-developed upland in TBZ	<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	346 <input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Vernal Pool	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
TOTAL	378 /	/

15. APPLICATION FEE: See the [Instructions & Required Attachments](#) document for further instruction

Minimum Impact Fee: Flat fee of \$ 200

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

Permanent and Temporary (non-docking) _____ sq. ft. X \$0.20 = \$ _____

Temporary (seasonal) docking structure: **266** sq. ft. X \$1.00 = **\$ 266.00**

Permanent docking structure: **112** sq. ft. X \$2.00 = **\$ 224.00**

Projects proposing shoreline structures (including docks) add \$200 = \$ 200.00

Total = **\$ 710.00**

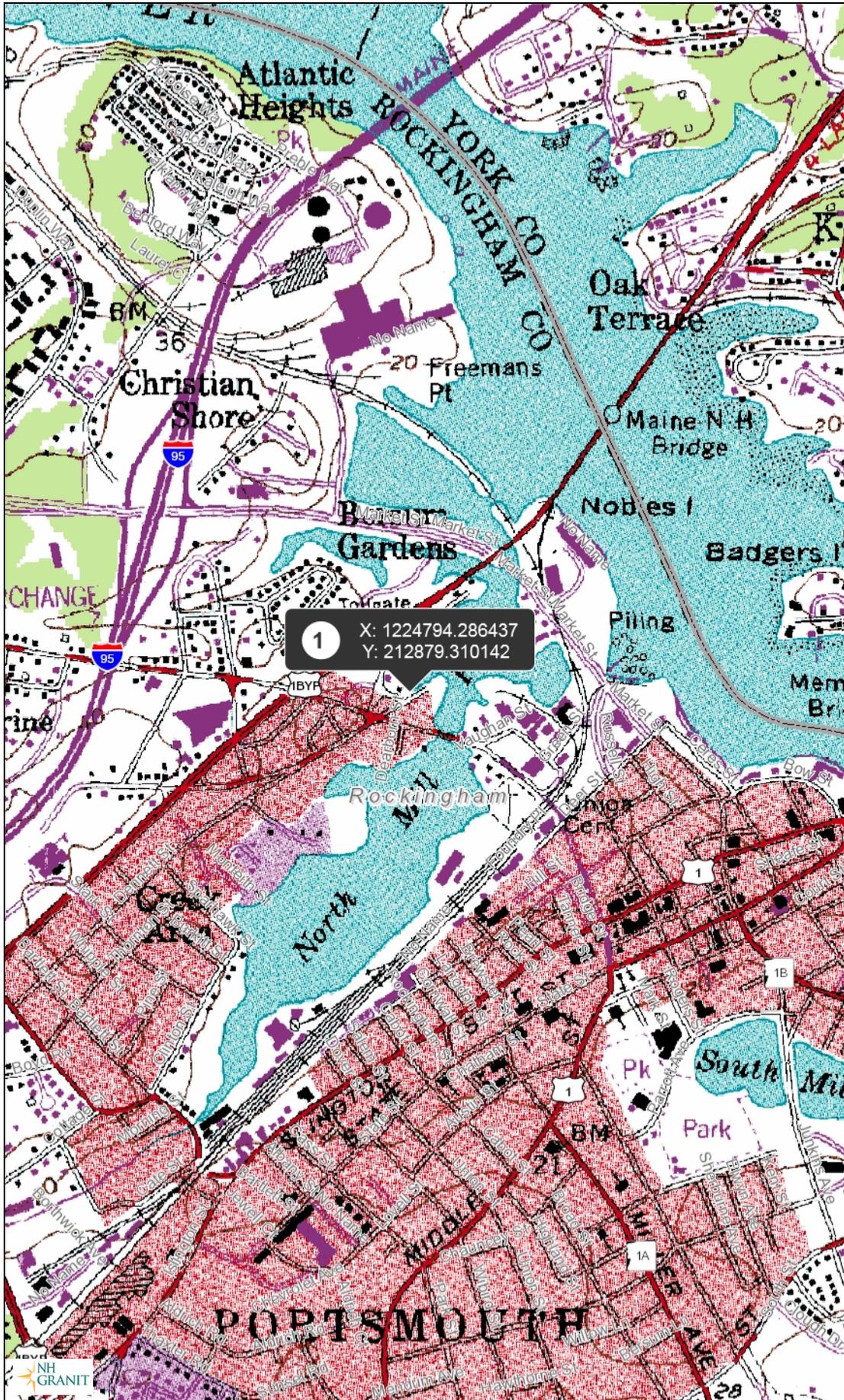
The Application Fee is the above calculated Total or \$200, whichever is greater = \$ _____

irm@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

Map by NH GRANIT



Legend

- State
- County
- City/Town

1 X: 1224794.286437
Y: 212879.310142

Map Scale

1: 12,988

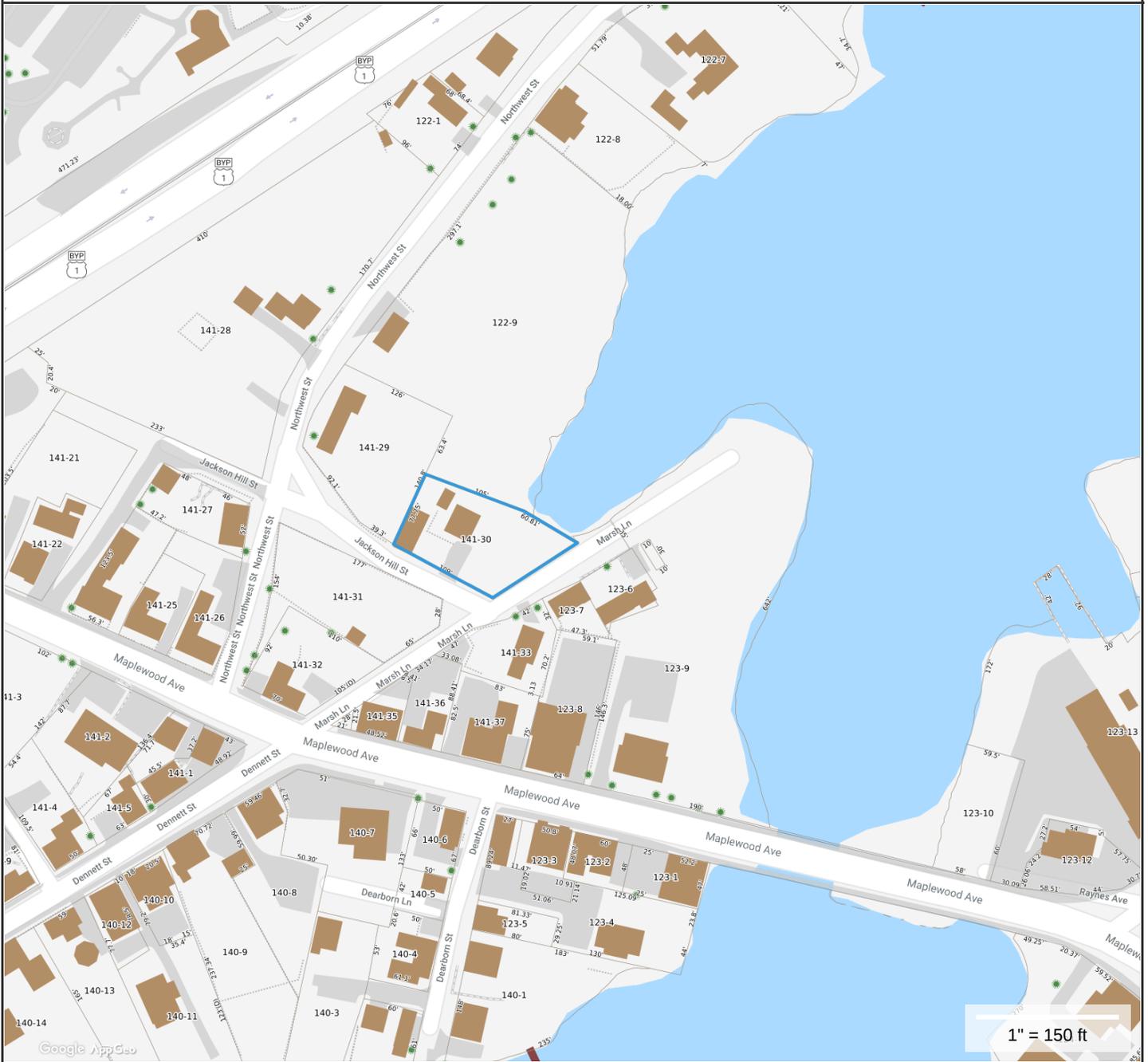
© NH GRANIT, www.granit.unh.edu

Map Generated: 9/3/2019



Notes





Property Information

Property ID 0141-0030-0001
Location 1 JACKSON HILL ST #1
Owner KEENAN PETER G



**MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT**

City of Portsmouth, NH makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 4/1/2019
Data updated 7/17/2019

ABUTTER'S LIST

JN 2552.90

Client: Jackson Hill Condominium

Project Address: 1 Jackson Hill Street, Portsmouth, NH

MAP	LOT	NAME(S)	PO BOX	STREET ADDRESS	CITY/STATE/ZIP
122	9	Society for the Preservation of New England Antiquities of Massachusetts		141 Cambridge Street	Boston, MA 02114
141	29	Society for the Preservation of New England Antiquities of Massachusetts		141 Cambridge Street	Boston, MA 02114
141	30	Peter G. & Jane D. Keenan		1A Jackson Hill Street	Portsmouth, NH 03801



AMBIT ENGINEERING, INC. CIVIL ENGINEERS AND LAND SURVEYORS
200 Griffin Road, Unit 3, Portsmouth, NH 03801 Phone (603) 430-9282 Fax 436-2315

3 September, 2019

Society for the Preservation of New England
Antiquities of Massachusetts
141 Cambridge Street
Boston, MA 02114

Dear Property Owner:

RE: New Hampshire Wetland Application for tidal dock construction for Jackson Hill Condominium, 1 Jackson Hill Street, Portsmouth, NH.

Dear Property Owner,

Under NH RSA 482-A this letter is to inform you in accordance with State Law that a Wetlands Permit will be filed with the New Hampshire Department of Environmental Services (DES) Wetlands Bureau for a permit to **impact jurisdictional wetlands**, on behalf of your abutter, **Jackson Hill Condominium**.

This letter is sent to inform you as an abutter to the above-referenced property (according to local Municipal records) that **Jackson Hill Condominium** proposes a project that requires construction in jurisdictional wetlands.

Plans are on file at this office, and once the application is filed, plans that show the proposed project and wetland and other jurisdictional impacts will be available for viewing during normal business hours at the office of the **Portsmouth** clerk, **Portsmouth city offices**, or once received by DES, at the offices of the DES Wetlands Bureau, (8 a.m. to 4 p.m.) (603) 271-2147. It is suggested that you call ahead to the appropriate office to ensure the application is available for review.

Please feel free to call if you have any questions or comments.

Sincerely,

Steven D. Riker
NH Certified Wetland Scientist/Permitting Specialist

CERTIFIED MAIL/Return Receipt Requested



AMBIT ENGINEERING, INC. CIVIL ENGINEERS AND LAND SURVEYORS
200 Griffin Road, Unit 3, Portsmouth, NH 03801 Phone (603) 430-9282 Fax 436-2315

3 September, 2019

Peter G. & Jane D. Keenan
1A Jackson Hill Street
Portsmouth, NH 03801

Dear Property Owner:

RE: New Hampshire Wetland Application for tidal dock construction for Jackson Hill Condominium, 1 Jackson Hill Street, Portsmouth, NH.

Dear Property Owner,

Under NH RSA 482-A this letter is to inform you in accordance with State Law that a Wetlands Permit will be filed with the New Hampshire Department of Environmental Services (DES) Wetlands Bureau for a permit to **impact jurisdictional wetlands**, on behalf of your abutter, **Jackson Hill Condominium**.

This letter is sent to inform you as an abutter to the above-referenced property (according to local Municipal records) that **Jackson Hill Condominium** proposes a project that requires construction in jurisdictional wetlands.

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Please feel free to call if you have any questions or comments.

Sincerely,

Steven D. Riker
NH Certified Wetland Scientist/Permitting Specialist

CERTIFIED MAIL/Return Receipt Requested

7018 0680 0000 2510 5365

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$
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<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$



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<input type="checkbox"/> Adult Signature Restricted Delivery	\$
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Total Postage and Fees	\$



Sent To
Street and Apt. No., or PO Box No.
City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

Site Photograph #1

August 2019



Site Photograph #2

August 2019



Site Photograph #3

August 2019



Site Photograph #4

August 2019

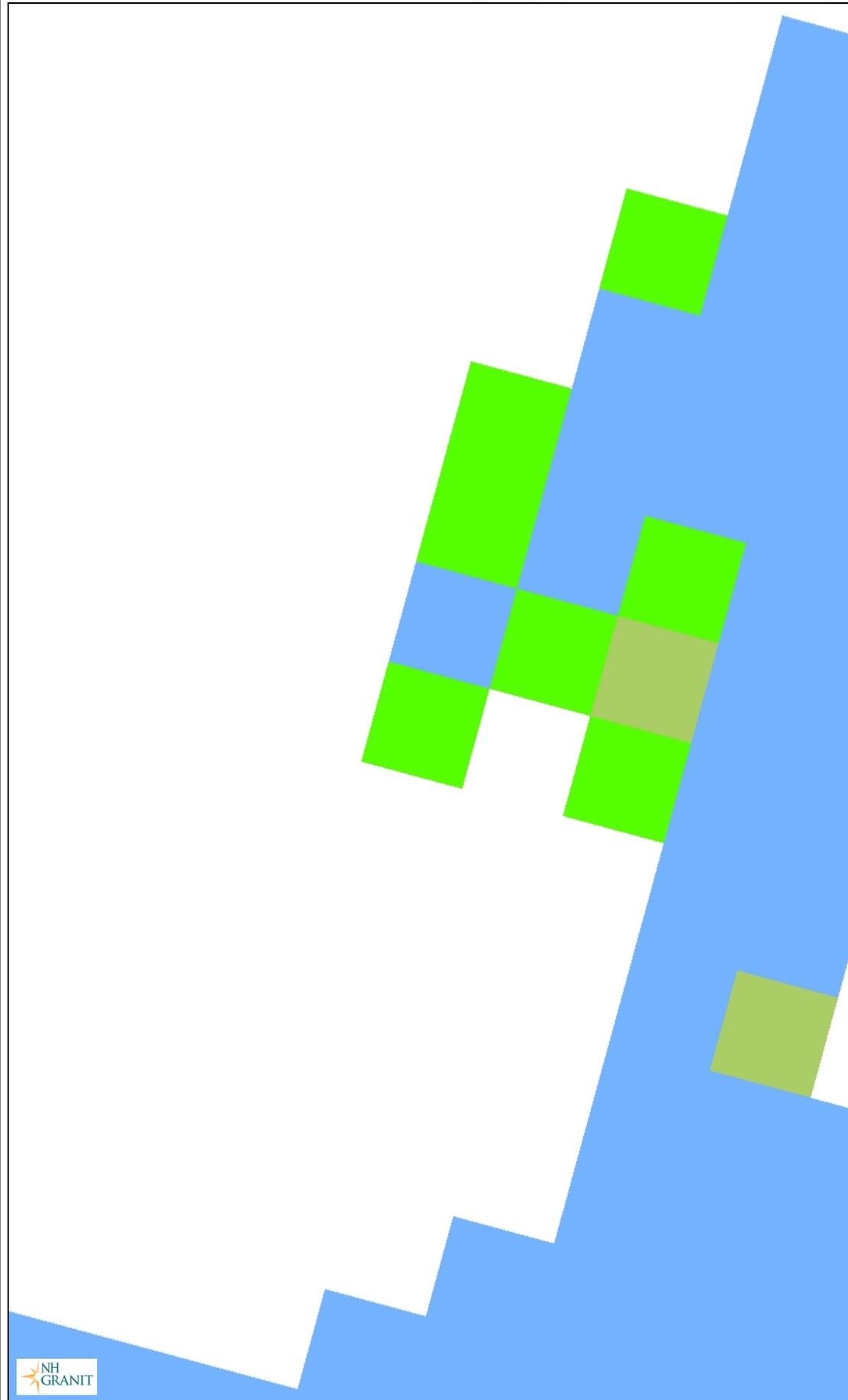


Site Photograph #5

August 2019



Map by NH GRANIT



Legend

Wildlife Habitat Land Cover

- Alpine
- Appalachian oak-pine
- Cliff and Talus
- Coastal island
- Dune
- Floodplain forest
- Grassland
- Hemlock-hardwood-pine
- High-elevation spruce-fir
- Lowland spruce-fir
- NLCD Developed or barren
- Northern hardwood-conifer
- Northern swamp
- Open water
- Peatland
- Pine barren
- Rocky ridge
- Salt marsh
- Temperate swamp
- Wet meadow/shrub wetland

Map Scale

1: 1,624

© NH GRANIT, www.granit.unh.edu

Map Generated: 9/3/2019

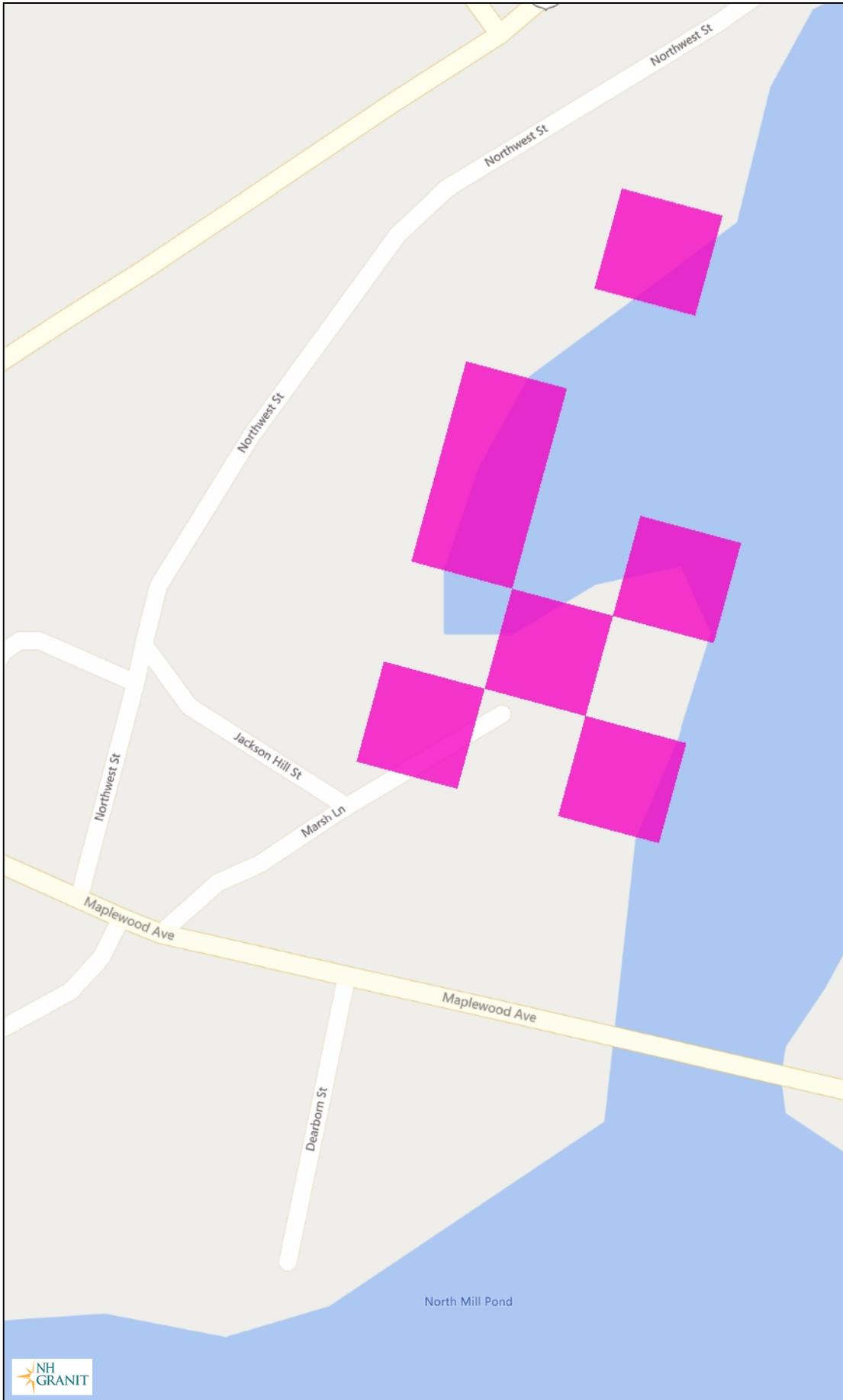


Notes

Highest Ranked Habitat



Map by NH GRANIT



Legend

- Highest Ranked Wildlife Hat**
- Not Top Ranked
 - Highest Ranked Habitat in NH
 - Highest Ranked Habitat in Region
 - Supporting Landscape

Map Scale

1: 1,624

© NH GRANIT, www.granit.unh.edu

Map Generated: 9/3/2019



Notes

Highest Ranked Habitat



Map by NH GRANIT



Legend

■ 2017

Map Scale

1: 1,624

© NH GRANIT, www.granit.unh.edu

Map Generated: 9/3/2019



Notes

2017 Eelgrass





To: John Chagnon
200 Griffin Road
Unit 3
Portsmouth, NH 03801

Date: 9/3/2019

From: NH Natural Heritage Bureau

Re: Review by NH Natural Heritage Bureau of request dated 9/3/2019

NHB File ID: NHB19-2831

Applicant: Jackson Hill Condominium

Location: Tax Map(s)/Lot(s): Tax Map 141, Lot 30
Portsmouth

Project Description: The project proposes construction of a docking structure consisting of a 4' x 8' accessway, a 4' x 20' fixed wood pier, a 3' x 22' aluminum gangway, and a 10' x 20' float (overall structure length 62') providing one slip on 65 +/- feet of frontage along the Piscataqua River.

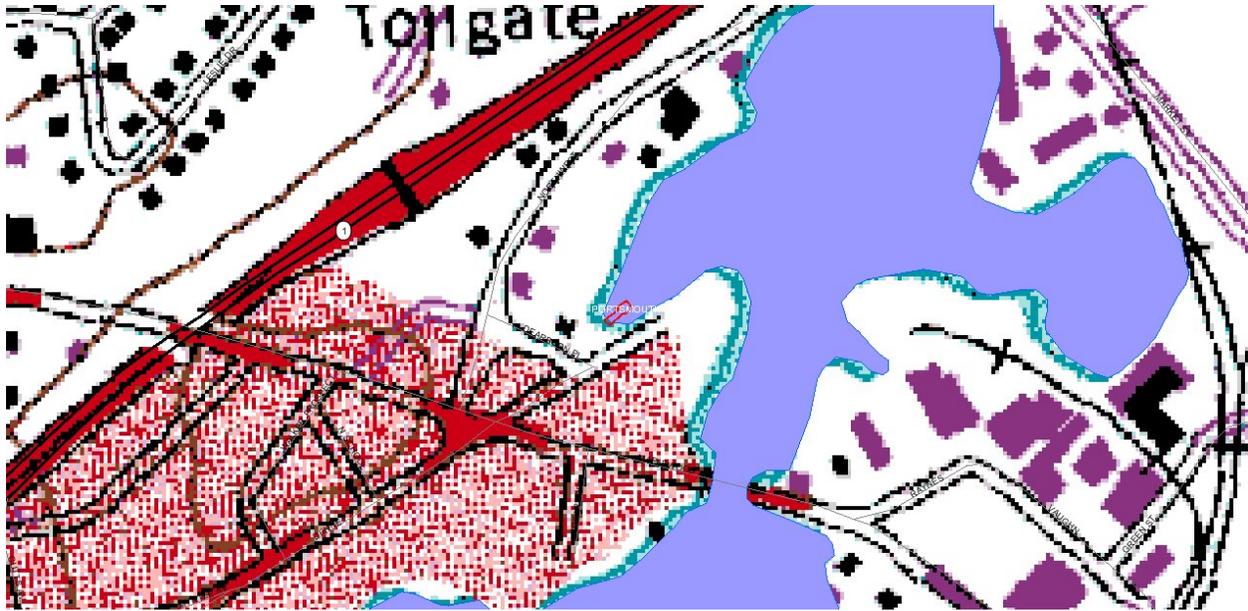
The NH Natural Heritage database has been checked for records of rare species and exemplary natural communities near the area mapped below. The species considered include those listed as Threatened or Endangered by either the state of New Hampshire or the federal government. We currently have no recorded occurrences for sensitive species near this project area.

A negative result (no record in our database) does not mean that a sensitive species is not present. Our data can only tell you of known occurrences, based on information gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, or have only been surveyed for certain species. An on-site survey would provide better information on what species and communities are indeed present.

This report is valid through 9/2/2020.



MAP OF PROJECT BOUNDARIES FOR NHB FILE ID: NHB19-2831



EFH Data Notice: Essential Fish Habitat (EFH) is defined by textual descriptions contained in the fishery management plans developed by the regional Fishery Management Councils. In most cases mapping data can not fully represent the complexity of the habitats that make up EFH. This report should be used for general interest queries only and should not be interpreted as a definitive evaluation of EFH at this location. A location-specific evaluation of EFH for any official purposes must be performed by a regional expert. Please refer to the following links for the appropriate regional resources.

[Greater Atlantic Regional Office](#)
[Atlantic Highly Migratory Species Management Division](#)

Query Results

Degrees, Minutes, Seconds: Latitude = 43°4'56" N, Longitude = 71°14'19" W
 Decimal Degrees: Latitude = 43.08, Longitude = -70.76

The query location intersects with spatial data representing EFH and/or HAPCs for the following species/management units.

*** WARNING ***

Please note under "Life Stage(s) Found at Location" the category "ALL" indicates that all life stages of that species share the same map and are designated at the queried location.

EFH

Show	Link	Data Caveats	Species/Management Unit	Lifestage(s) Found at Location	Management Council	FMP
			Atlantic Sea Scallop	ALL	New England	Amendment 14 to the Atlantic Sea Scallop FMP
			Atlantic Wolffish	ALL	New England	Amendment 14 to the Northeast Multispecies FMP
			Winter Flounder	Eggs Juvenile Larvae/Adult	New England	Amendment 14 to the Northeast Multispecies FMP
			Little Skate	Juvenile Adult	New England	Amendment 2 to the Northeast Skate Complex FMP
			Atlantic Herring	Juvenile Adult Larvae	New England	Amendment 3 to the Atlantic Herring FMP

Show	Link	Data Caveats	Species/Management Unit	Lifestage(s) Found at Location	Management Council	FMP
			Atlantic Cod	Larvae Adult Eggs	New England	Amendment 14 to the Northeast Multispecies FMP
			Pollock	Juvenile Eggs Larvae	New England	Amendment 14 to the Northeast Multispecies FMP
			Red Hake	Adult Eggs/Larvae/Juvenile	New England	Amendment 14 to the Northeast Multispecies FMP
			Windowpane Flounder	Adult Larvae Eggs Juvenile	New England	Amendment 14 to the Northeast Multispecies FMP
			Winter Skate	Juvenile	New England	Amendment 2 to the Northeast Skate Complex FMP
			Smooth Skate	Juvenile	New England	Amendment 2 to the Northeast Skate Complex FMP
			White Hake	Adult Eggs Juvenile	New England	Amendment 14 to the Northeast Multispecies FMP
			Thorny Skate	Juvenile	New England	Amendment 2 to the Northeast Skate Complex FMP
			Atlantic Mackerel	Eggs Larvae Juvenile	Mid-Atlantic	Atlantic Mackerel, Squid, & Butterfish Amendment 11

Show	Link	Data Caveats	Species/Management Unit	Lifestage(s) Found at Location	Management Council	FMP
			Bluefish	Adult Juvenile	Mid-Atlantic	Bluefish
			Atlantic Butterfish	Adult	Mid-Atlantic	Atlantic Mackerel, Squid, & Butterfish Amendment 11

HAPCs

No Habitat Areas of Particular Concern (HAPC) were identified at the report location.

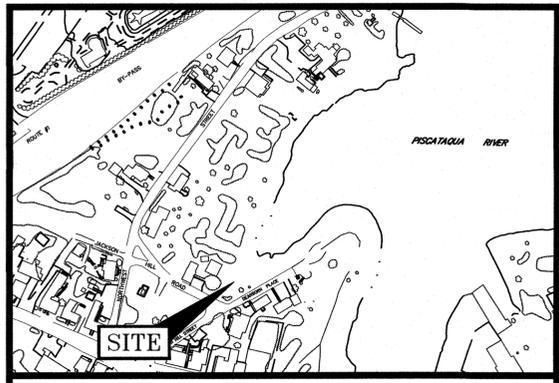
EFH Areas Protected from Fishing

No EFH Areas Protected from Fishing (EFHA) were identified at the report location.

Spatial data does not currently exist for all the managed species in this area. The following is a list of species or management units for which there is no spatial data. **For links to all EFH text descriptions see the complete data inventory: [open data inventory -->](#)

Mid-Atlantic Council HAPCs,

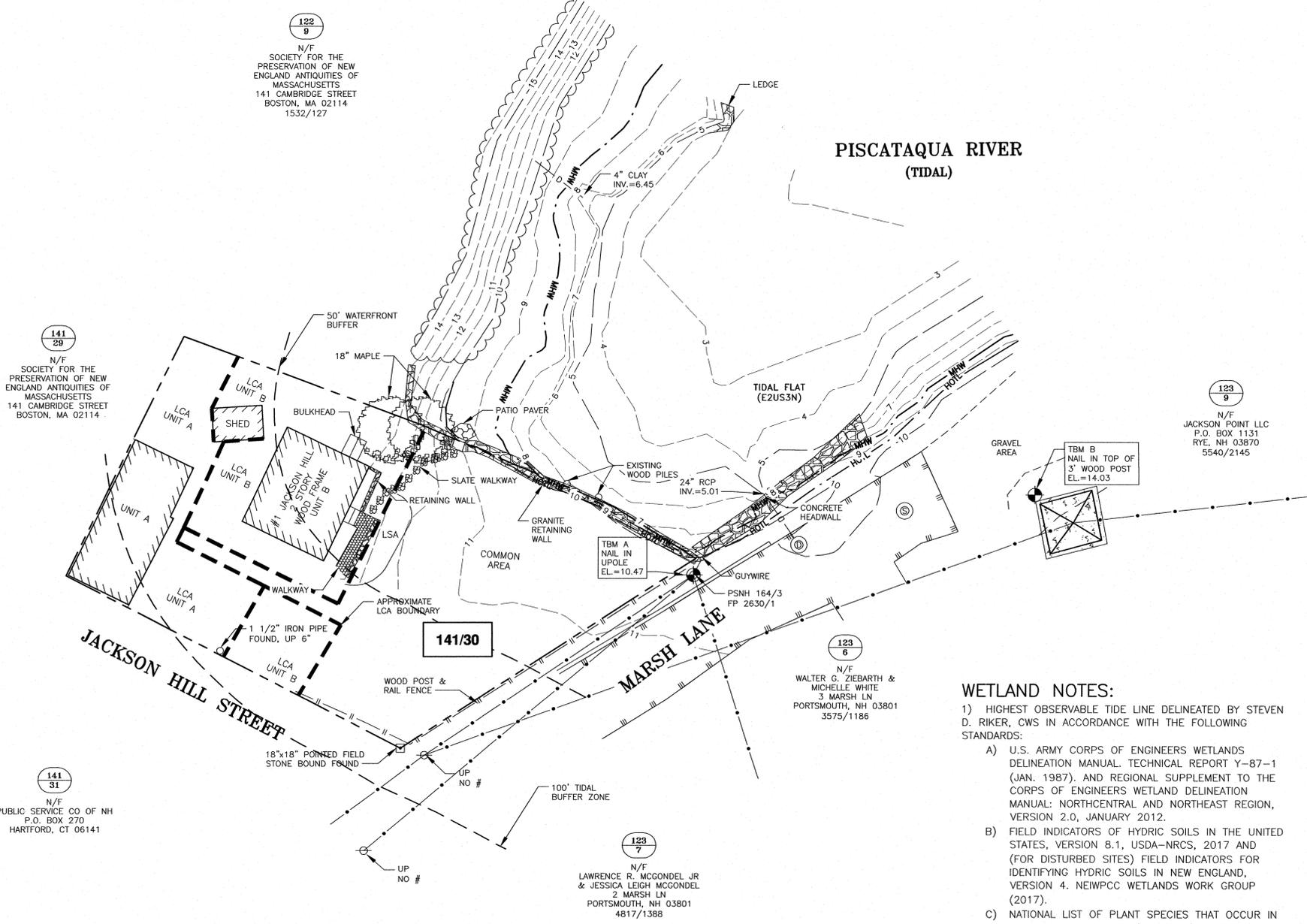
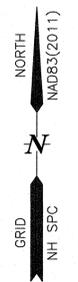
No spatial data for summer flounder SAV HAPC.



LOCATION MAP SCALE: 1" = 200"

LEGEND:

- N/F NOW OR FORMERLY
- RCRD ROCKINGHAM COUNTY REGISTRY OF DEEDS
- MAP 11 / LOT 21
- RR SPK FND RAILROAD SPIKE FOUND/SET
- IR FND IRON ROD FOUND/SET
- IP FND IRON PIPE FOUND/SET
- DH FND DRILL HOLE FOUND/SET
- HOTL HIGHEST OBSERVABLE TIDE LINE
- MHW MEAN HIGH WATER LINE
- FRESHWATER WETLAND LINE
- D STORM DRAIN
- OVERHEAD ELECTRIC/WIRES
- CONTOUR
- 100 SPOT ELEVATION
- 97x3 WOODS / TREE LINE
- PHOTO LOCATION/DIRECTION
- INV. INVERT
- TBM TEMPORARY BENCHMARK
- TYP. TYPICAL
- LCA UNIT BOUNDARY



PLAN REFERENCE:

1) CONDOMINIUM SITE PLAN 1 JACKSON HILL STREET, PORTSMOUTH, NH FOR ERIC D. WEINRIEB AND CYNTHIA M. BOSTON. PREPARED BY JAMES VERRA AND ASSOCIATES, INC. DATED MARCH 2001. R.C.R.D. PLAN D-28822.

AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
200 Griffin Road - Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-9282
Fax (603) 436-2315

NOTES:

- 1) PARCEL IS SHOWN ON THE CITY OF PORTSMOUTH ASSESSOR'S MAP 141 AS LOT 30.
- 2) OWNERS OF RECORD:
JACKSON HILL CONDOMINIUM
C/O DARRELL MOREAU
1 JACKSON HILL ST
UNIT #2
PORTSMOUTH, NH 03801
5928/0149
3561/1944
D-28822
- 3) PARCEL IS IN A SPECIAL FLOOD HAZARD ZONE AS SHOWN ON FIRM PANEL 33015C0259E. EFFECTIVE DATE MAY 17, 2005.
- 4) EXISTING LOT AREA:
11,650 S.F. (PER REFERENCE PLAN 1)
0.27 ACRES (PER REFERENCE PLAN 1)
- 5) PARCEL IS LOCATED IN THE GENERAL RESIDENCE A DISTRICT (GRA).
- 6) DIMENSIONAL REQUIREMENTS:
MIN. LOT AREA: 7,500 S.F.
FRONTAGE: 100 FEET
SETBACKS:
FRONT: 15 FEET
SIDE: 10 FEET
REAR: 20 FEET
MAXIMUM STRUCTURE HEIGHT: 35 FEET
MAXIMUM STRUCTURE COVERAGE: 25%
MINIMUM OPEN SPACE: 30%
- 7) THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS ON A PORTION OF TAX MAP 141 LOT 30 IN THE CITY OF PORTSMOUTH.
- 8) VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW) NAVD88. BASED ON NOAA STATION 8419870 SEAVEY ISLAND, PORTSMOUTH HARBOR, MLLW BEING 4.62 FEET LOWER THAN 0.0'. BASIS OF VERTICAL DATUM IS REDUNDANT RTN GPS OBSERVATIONS.

**JACKSON HILL CONDOMINIUM ASSOCIATION
1 JACKSON HILL ST
PORTSMOUTH, N.H.**

NO.	DESCRIPTION	DATE
0	ISSUED FOR COMMENT	5/03/19

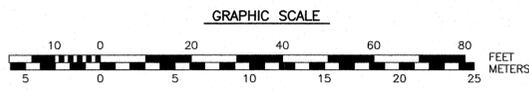


SCALE: 1" = 20' MAY 2019

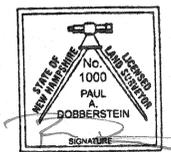
EXISTING CONDITIONS PLAN **C1**

WETLAND NOTES:

- 1) HIGHEST OBSERVABLE TIDE LINE DELINEATED BY STEVEN D. RIKER, CWS IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 - A) U.S. ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JAN. 1987), AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2.0, JANUARY 2012.
 - B) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 8.1, USDA-NRCS, 2017 AND (FOR DISTURBED SITES) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4. NEIWPCC WETLANDS WORK GROUP (2017).
 - C) NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS: NORTHEAST (REGION 1). USFWS (MAY 1988).
 - D) CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES. USFW MANUAL FWS/OBS-79/31 (1997).
 - E) "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE" (1997). NEW HAMPSHIRE FISH AND GAME DEPARTMENT.
- 2) WETLAND FLAGS WERE FIELD LOCATED ON 4/19/2019 BY AMBIT ENGINEERING, INC.



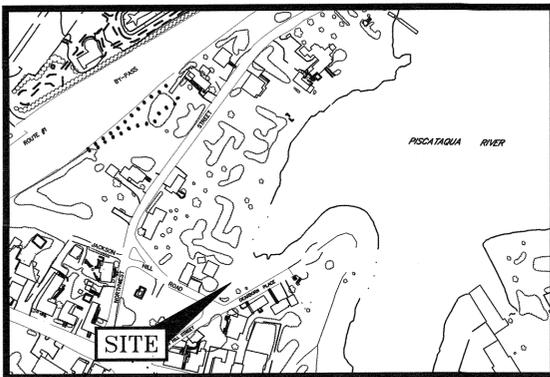
I CERTIFY THAT THIS PLAN WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN ACCURACY OF THE CLOSED TRAVERSE THAT EXCEEDS THE PRECISION OF 1:15,000.



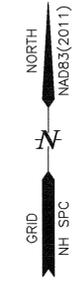
PAUL A. DOBBERSTEIN, LLS #1000

DATE 9/3/2019

J:\JOBSS\2552\2552.dwg - 1 Jackson Hill Street, Portsmouth, NH\2019 Dock Permitt\Plans & Specs\Site\2019 Dock Permitt.dwg, C1 EXIST

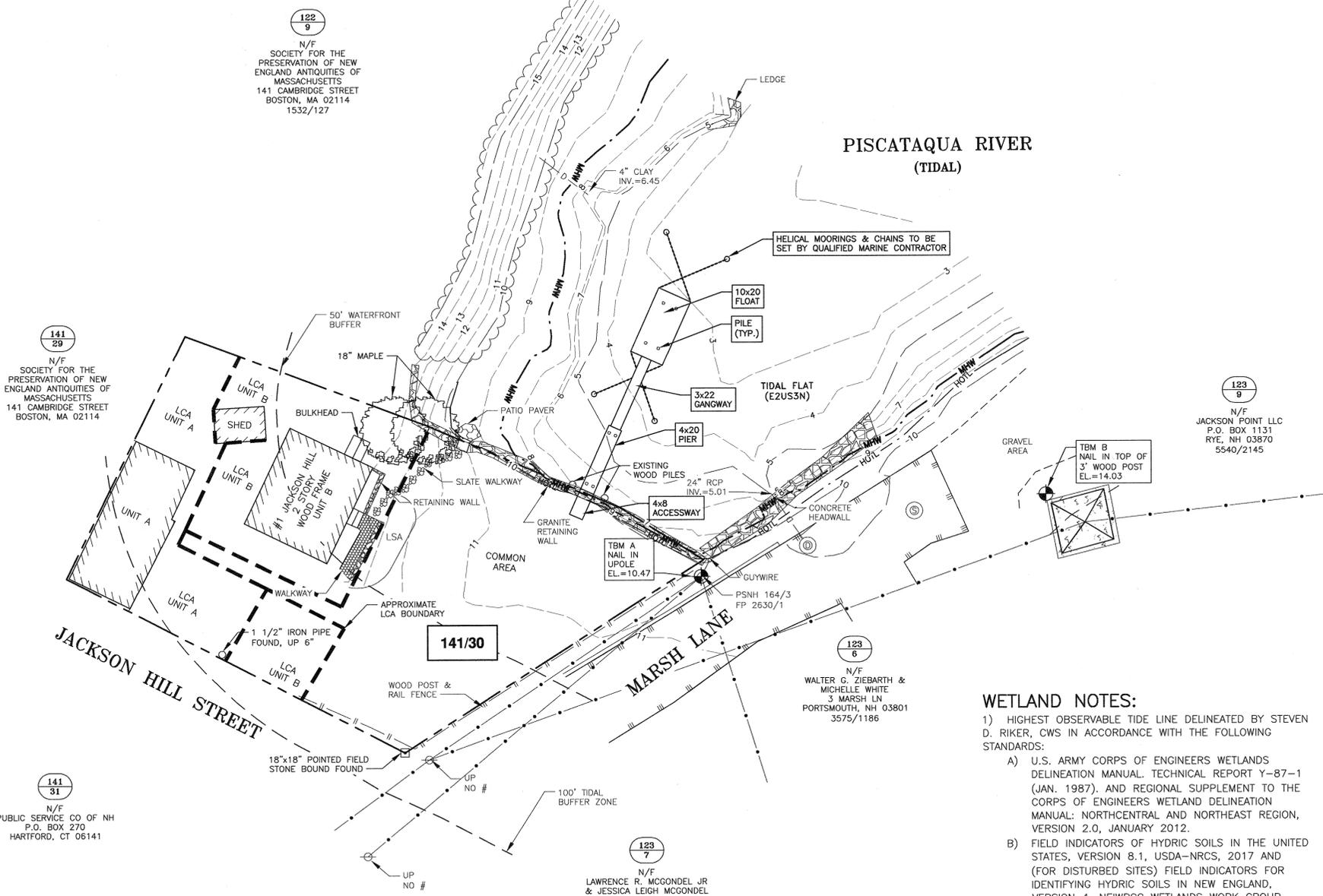


LOCATION MAP SCALE: 1" = 200"



LEGEND:

- | | |
|------------|-------------------------------------|
| N/F | NOW OR FORMERLY |
| RCRD | ROCKINGHAM COUNTY REGISTRY OF DEEDS |
| 11/21 | MAP 11 / LOT 21 |
| RR SPK FND | RAILROAD SPIKE FOUND/SET |
| IR FND | IRON ROD FOUND/SET |
| IP FND | IRON PIPE FOUND/SET |
| DH FND | DRILL HOLE FOUND/SET |
| HAT | HIGHEST ANNUAL TIDE LINE |
| MHW | MEAN HIGH WATER LINE |
| FWS | FRESHWATER WETLAND LINE |
| S | STORM DRAIN |
| E | OVERHEAD ELECTRIC/WIRES |
| 100 | CONTOUR |
| 97x3 | SPOT ELEVATION |
| W | WOODS / TREE LINE |
| 2 | PHOTO LOCATION/DIRECTION |
| INV. | INVERT |
| TBM | TEMPORARY BENCHMARK |
| TYP. | TYPICAL |



**WETLAND IMPACT AREAS
IN S.F. FOR PROPOSED TIDAL DOCKING STRUCTURE**

	PERMANENT IMPACT AREAS	DIMENSIONS
TIDAL WATERS WETLAND (E2US3N)	346	(4'x20')(3'x22') (10'x20')
TIDAL BUFFER ZONE	32	(4'x8')
TOTAL	378	

AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
200 Griffin Road - Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-9282
Fax (603) 436-2315



NOTES:

- 1) PARCEL IS SHOWN ON THE CITY OF PORTSMOUTH ASSESSOR'S MAP 141 AS LOT 30.
- 2) OWNERS OF RECORD:
JACKSON HILL CONDOMINIUM
1 JACKSON HILL ST
PORTSMOUTH, NH 03801
5928/0149
3561/1944
D-28822
- 3) BOUNDARY LINES SHOWN HEREON ARE APPROXIMATE. THEY ARE BASED ON THE RECORDED PLAN GEOMETRY. ANALYSIS AND REVIEW OF RECORD PLAN CLOSURE IS NOT A PART OF THIS SURVEY, NOR ARE THE BOUNDARY LINES SHOWN REPRESENTATIVE OF A DEFINITIVE OPINION AS TO THE TRUE LOCATION OF THE LINES. THEY ARE SHOWN HEREON FOR THE PURPOSES OF PLANNING AND PERMITTING.
- 4) THE CONTRACTOR SHALL NOTIFY DIG SAFE AT 1-888-DIG-SAFE (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
- 5) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVEGROUND OR UNDERGROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE OWNER. UTILITY CONFLICTS SHOULD BE REPORTED AT ONCE TO THE DESIGN ENGINEER.
- 6) EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS, MARCH 2015.
- 7) THE PURPOSE OF THIS PLAN IS TO SHOW A PROPOSED DOCKING STRUCTURE ON A PORTION OF TAX MAP 141 LOT 30 IN THE CITY OF PORTSMOUTH.

**JACKSON HILL
CONDOMINIUM
ASSOCIATION
1 JACKSON HILL ST
PORTSMOUTH, N.H.**

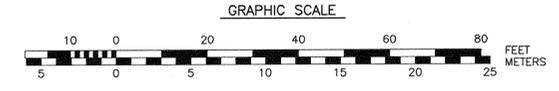
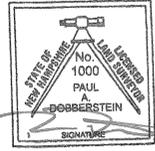
WETLAND NOTES:

- 1) HIGHEST OBSERVABLE TIDE LINE DELINEATED BY STEVEN D. RIKER, CWS IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 - A) U.S. ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JAN. 1987). AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2.0, JANUARY 2012.
 - B) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 8.1, USDA-NRCS, 2017 AND (FOR DISTURBED SITES) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4. NEWPCC WETLANDS WORK GROUP (2017).
 - C) NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS: NORTHEAST (REGION 1). USFWS (MAY 1988).
 - D) CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES. USFW MANUAL FWS/OBS-79/31 (1997).
 - E) "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE" (1997). NEW HAMPSHIRE FISH AND GAME DEPARTMENT.

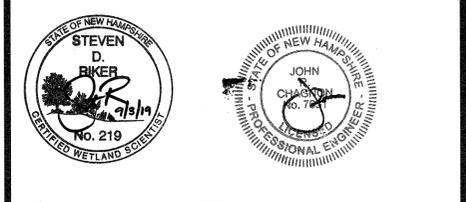
2) WETLAND FLAGS WERE FIELD LOCATED ON 4/19/2019 BY AMBIT ENGINEERING, INC.

"I CERTIFY THAT THIS PLAN WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN ACCURACY OF THE CLOSED TRAVERSE THAT EXCEEDS THE PRECISION OF 1:15,000."

PAUL A DOBBERSTEIN, LLS
DATE 9/3/2019



NO.	DESCRIPTION	DATE
0	ISSUED FOR COMMENT	9/3/19



SCALE: 1" = 20' SEPTEMBER 2019

PERMIT PLAN **C2**

SEQUENCE OF CONSTRUCTION

- 1) MOBILIZATION OF A CRANE BARGE, PUSH BOAT, WORK SKIFF, MATERIALS AND PREFABRICATED COMPONENTS SUCH AS THE GANGWAY AND FLOAT TO THE SITE VIA APPROVED ACCESS.
- 2) MOBILIZATION OF EQUIPMENT TRUCKS TO THE SITE.
- 3) THE BARGE WILL BE POSITIONED ALONGSIDE THE PROPOSED LOCATION OF THE NEW DOCK AND WATERWARD OF ANY EMERGENT VEGETATION TO MINIMIZE IMPACTS.
- 4) INSTALLATION OF THE SUB STRUCTURE WILL BE PERFORMED FROM A CRANE BARGE OR SKIFF TO REDUCE THE AMOUNT OF FOOT TRAFFIC IN THE INTERTIDAL AREA.
- 5) ALL WORK WILL BE PERFORMED AT LOW TIDE TO MINIMIZE SEDIMENTATION.
- 6) PILING WILL BE MECHANICALLY DRIVEN BY A CRANE ELIMINATING ANY EXCAVATION FOR INSTALLATION OF THE PILING. PILING ARE DRIVEN TO REFUSAL.
- 7) PILING ARE CUT AND BEAM CAPS ARE INSTALLED AND THE SUPER STRUCTURE OF THE PIER IS BUILT. MATERIALS ARE LIFTED FROM THE BARGE AND SET INTO POSITION BY THE CRANE.
- 8) ONCE THE PIER IS COMPLETE, THE GANGWAY AND FLOAT ARE BROUGHT INTO POSITION AND INSTALLED.

DISCHARGES, AVOIDANCE, MINIMIZATION AND MITIGATION

DISCHARGES OF DREDGED OR FILL MATERIAL INTO WATERS OF THE U.S. AND ANY SECONDARY IMPACTS SHALL BE AVOIDED AND MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE. PERMITTEES MAY ONLY FILL THOSE JURISDICTIONAL WETLANDS AND WATERWAYS THAT THE CORP AND NHDES AUTHORIZES TO BE FILLED AND IMPACT THOSE AREAS THAT THE CORPS AND NHDES AUTHORIZES AS SECONDARY IMPACTS. IF NOT SPECIFICALLY AUTHORIZED BY USACE AND NHDES, ANY UNAUTHORIZED FILL OR SECONDARY IMPACT TO WETLANDS MAY BE CONSIDERED AS A VIOLATION OF THE CWA.

UNLESS SPECIFICALLY AUTHORIZED USACE AND NHDES, NO WORK SHALL DRAIN A WATER OF THE U.S. BY PROVIDING A CONDUIT FOR WATER ON OR BELOW THE SURFACE.

HEAVY EQUIPMENT IN FRESH WATER WETLANDS

HEAVY EQUIPMENT OTHER THAN FIXED EQUIPMENT (DRILL RIGS, FIXED CRANES, ETC.) WORKING IN WETLANDS SHALL NOT BE STORED, MAINTAINED OR REPAIRED IN WETLANDS, UNLESS IT IS LESS ENVIRONMENTALLY DAMAGING OTHERWISE, AND AS MUCH AS POSSIBLE SHALL NOT BE OPERATED WITHIN THE INTERTIDAL ZONE. WHERE CONSTRUCTION REQUIRES HEAVY EQUIPMENT OPERATION IN WETLANDS, THE EQUIPMENT SHALL EITHER HAVE LOW GROUND PRESSURE (<3 PSI), OR SHALL NOT BE LOCATED DIRECTLY ON WETLAND SOILS AND VEGETATION; IT SHALL BE PLACED ON SWAMP MATS THAT ARE ADEQUATE TO SUPPORT THE EQUIPMENT IN SUCH A WAY AS TO MINIMIZE DISTURBANCE OF WETLAND SOIL AND VEGETATION. SWAMP MATS ARE TO BE PLACED IN THE WETLAND FROM THE UPLAND OR FROM EQUIPMENT POSITIONED ON SWAMP MATS IF WORKING WITHIN A WETLAND. DRAGGING SWAMP MATS INTO POSITION IS PROHIBITED. OTHER SUPPORT STRUCTURES THAT ARE LESS IMPACTING AND ARE CAPABLE OF SAFELY SUPPORTING EQUIPMENT MAY BE USED WITH WRITTEN CORPS AND NHDES AUTHORIZATION. SIMILARLY, NOT USING MATS DURING FROZEN, DRY OR OTHER CONDITIONS MAY BE ALLOWED WITH WRITTEN CORPS AND NHDES AUTHORIZATION. AN ADEQUATE SUPPLY OF SPILL CONTAINMENT EQUIPMENT SHALL BE MAINTAINED ON SITE. CORDUROY ROADS AND SWAMP/CONSTRUCTION MATS ARE CONSIDERED AS FILL WHETHER THEY'RE INSTALLED TEMPORARILY OR PERMANENTLY.

TIME OF YEAR WORK WINDOW AND NOISE RESTRICTIONS

- I. PILES INSTALLED IN-THE-DRY DURING LOW WATER OR IN-WATER BETWEEN NOV. 8TH - APR. 9TH, OR
- II. MUST BE DRILLED AND PINNED TO LEDGE, OR
- III. VIBRATORY HAMMERS USED TO INSTALL ANY SIZE AND QUANTITY OF WOOD, CONCRETE OR STEEL PILES, OR
- IV. IMPACT HAMMERS LIMITED TO ONE HAMMER AND <50 PILES INSTALLED/DAY WITH THE FOLLOWING: WOOD PILES OF ANY SIZE, CONCRETE PILES ≤18-INCHES DIAMETER, STEEL PILES 12-INCHES DIAMETER IF THE HAMMER IS ≤3000 LBS. AND A WOOD CUSHION IS USED BETWEEN THE HAMMER AND STEEL PILE.

- FOR II-IV ABOVE:
- I. IN-WATER NOISE LEVELS SHALL NOT >187dB SEL RE L_{wPa} OR 206dB PEAK RE L_{wPa} AT A DISTANCE >10M FROM THE PILE BEING INSTALLED, AND
 - II. IN-WATER NOISE LEVELS >155dB PEAK RE L_{wPa} SHALL NOT EXCEED 12 CONSECUTIVE HOURS ON ANY GIVEN DAY AND A 12 HOUR RECOVERY PERIOD (I.E., IN-WATER NOISE BELOW 155dB PEAK RE L_{wPa}) MUST BE PROVIDED BETWEEN WORK DAYS.

WORK SITE RESTORATION

- UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED WETLAND AREAS SHALL BE PROPERLY STABILIZED. ANY SEED MIX SHALL CONTAIN ONLY PLANT SPECIES NATIVE TO NEW ENGLAND.
- THE INTRODUCTION OR SPREAD OF INVASIVE PLANT SPECIES IN DISTURBED AREAS IS PROHIBITED.
- IN AREAS OF AUTHORIZED TEMPORARY DISTURBANCE, IF TREES ARE CUT THEY SHALL BE CUT AT GROUND LEVEL AND NOT UPROOTED IN ORDER TO PREVENT DISRUPTION TO THE WETLAND SOIL STRUCTURE AND TO ALLOW STUMP SPROUTS TO REVEGETATE THE WORK AREA, UNLESS OTHERWISE AUTHORIZED.
- WETLAND AREAS WHERE PERMANENT DISTURBANCE IS NOT AUTHORIZED SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND ELEVATION, WHICH UNDER NO CIRCUMSTANCES SHALL BE HIGHER THAN THE PRE-CONSTRUCTION ELEVATION. ORIGINAL CONDITION MEANS CAREFUL PROTECTION AND/OR REMOVAL OF EXISTING SOIL AND VEGETATION, AND REPLACEMENT BACK TO THE ORIGINAL LOCATION SUCH THAT THE ORIGINAL SOIL LAYERING AND VEGETATION SCHEMES ARE APPROXIMATELY THE SAME, UNLESS AUTHORIZED.

SEDIMENTATION AND EROSION CONTROL

ADEQUATE SEDIMENTATION AND EROSION CONTROL MANAGEMENT MEASURES, PRACTICES AND DEVICES, SUCH AS PHASED CONSTRUCTION, VEGETATED FILTER STRIPS, GEOTEXTILE SILT FENCES, STORMWATER DETENTION AND INFILTRATION SYSTEMS, SEDIMENT DETENTION BASINS, OR OTHER DEVICES SHALL BE INSTALLED AND PROPERLY MAINTAINED TO REDUCE EROSION AND RETAIN SEDIMENT ON-SITE DURING AND AFTER CONSTRUCTION. THEY SHALL BE CAPABLE OF PREVENTING EROSION, OF COLLECTING SEDIMENT, SUSPENDED AND FLOATING MATERIALS, AND OF FILTERING FINE SEDIMENT. THE DISTURBED AREAS SHALL BE STABILIZED AND THESE DEVICES SHALL BE REMOVED UPON COMPLETION OF WORK. THE SEDIMENT COLLECTED BY THESE DEVICES SHALL BE REMOVED AND PLACED AT AN UPLAND LOCATION, IN A MANNER THAT WILL PREVENT ITS LATER EROSION INTO A WATERWAY OR WETLAND. ALL EXPOSED SOIL AND OTHER FILLS SHALL BE PERMANENTLY STABILIZED AT THE EARLIEST PRACTICABLE DATE.

SPAWNING AREAS

DISCHARGES OF DREDGED OR FILL MATERIAL, AND/OR SUSPENDED SEDIMENT PRODUCING ACTIVITIES IN FISH AND SHELLFISH SPAWNING OR NURSERY AREAS, OR AMPHIBIAN AND MIGRATORY BIRD BREEDING AREAS, DURING SPAWNING OR BREEDING SEASONS SHALL BE AVOIDED. IMPACTS TO THESE AREAS SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE DURING ALL TIMES OF THE YEAR. INFORMATION ON SPAWNING HABITAT FOR SPECIES MANAGED UNDER THE MAGNUSON-STEVENS FISHERY CONSERVATION AND MANAGEMENT ACT (I.E., EFH FOR SPAWNING ADULTS) CAN BE OBTAINED FROM THE NMFS WEBSITE AT: WWW.NERO.NOAA.GOV/HCD.

STORAGE OF SEASONAL STRUCTURES

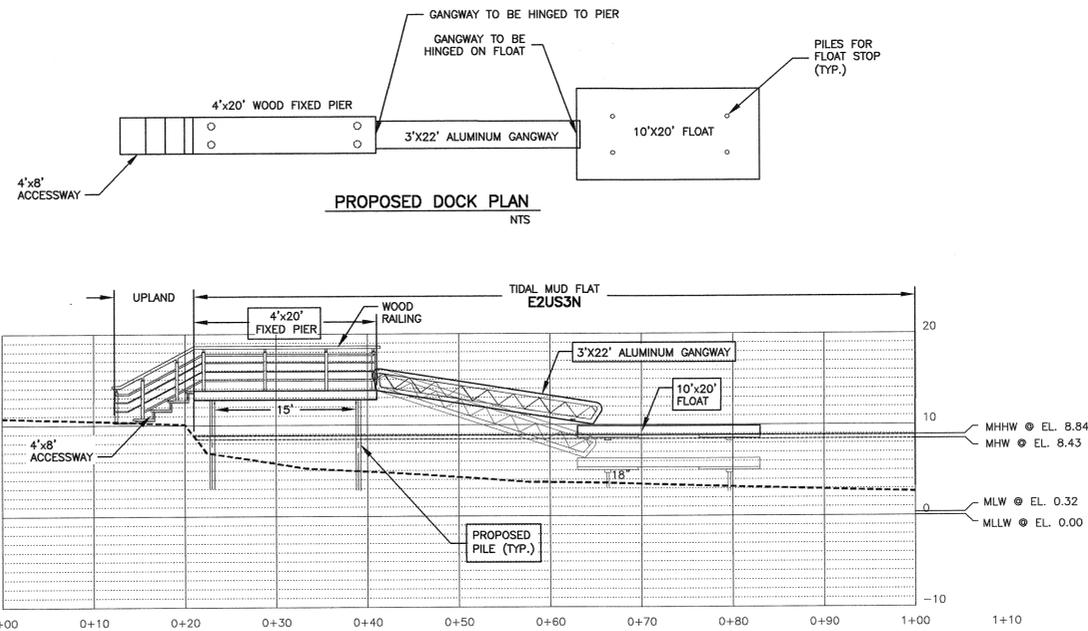
COASTAL STRUCTURES SUCH AS PIER SECTIONS, FLOATS, ETC., THAT ARE REMOVED FROM THE WATERWAY FOR A PORTION OF THE YEAR (OFTEN REFERRED TO AS SEASONAL STRUCTURES) SHALL BE STORED IN AN UPLAND LOCATION, LOCATED ABOVE HIGHEST OBSERVABLE TIDE LINE (HOTL) AND NOT IN TIDAL WETLANDS. THESE SEASONAL STRUCTURES MAY BE STORED ON THE FIXED, PILE-SUPPORTED PORTION OF THE STRUCTURE THAT IS SEAWARD OF HOTL. THIS IS INTENDED TO PREVENT STRUCTURES FROM BEING STORED ON THE MARSH AND THE SUBSTRATE SEAWARD OF MHW.

ENVIRONMENTAL FUNCTIONS AND VALUES

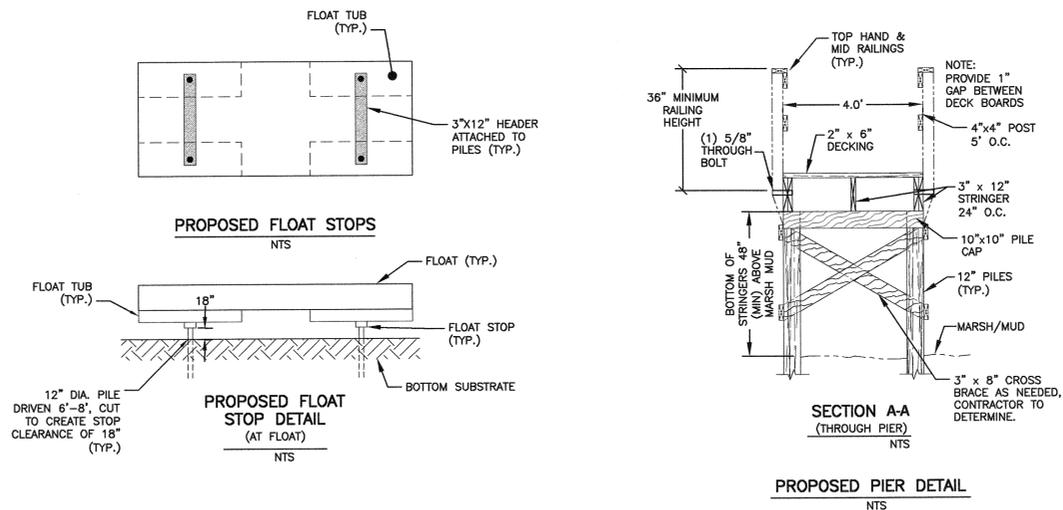
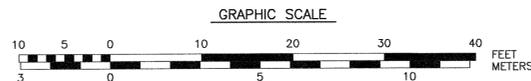
THE PERMITTEE SHALL MAKE EVERY REASONABLE EFFORT TO 1) CARRY OUT THE CONSTRUCTION OR OPERATION OF THE WORK AUTHORIZED BY USACE AND NHDES HEREIN IN A MANNER THAT MINIMIZES ADVERSE IMPACTS ON FISH, WILDLIFE AND NATURAL ENVIRONMENTAL VALUES, AND 2) PROHIBIT THE ESTABLISHMENT OR SPREAD OF PLANT SPECIES IDENTIFIED AS NON-NATIVE INVASIVE SPECIES BY ANY FEDERAL OR STATE AGENCY. SEE THE SECTION ON INVASIVE SPECIES AT HTTP://WWW.NAE.USACE.ARMY.MIL/REGULATORY/ FOR CONTROL METHODS.

INSPECTIONS

THE PERMITTEE SHALL ALLOW THE CORPS AND NHDES TO MAKE PERIODIC INSPECTIONS AT ANY TIME DEEMED NECESSARY IN ORDER TO ENSURE THAT THE WORK IS BEING OR HAS BEEN PERFORMED IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THIS PERMIT. THE CORPS AND NHDES MAY ALSO REQUIRE POST-CONSTRUCTION ENGINEERING DRAWINGS FOR COMPLETED WORK, AND POST-DREDGING SURVEY DRAWINGS FOR ANY DREDGING WORK.



PROPOSED PIER, GANGWAY & FLOAT w/ PILES



- NOTES:**
- 1) THE CONTRACTOR SHALL NOTIFY DIG SAFE AT 1-888-DIG-SAFE (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
 - 2) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVEGROUND OR UNDERGROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE OWNER. UTILITY CONFLICTS SHOULD BE REPORTED AT ONCE TO THE DESIGN ENGINEER.
 - 3) CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE "NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 3, EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION. (NHDES DECEMBER 2008).
 - 4) NUMBER OF PILES TO BE DRIVEN FOR DOCKING STRUCTURE NOT TO EXCEED 8 AS DEPICTED ON PROPOSED DOCK ELEVATION. ALSO NOTE TIME OF YEAR AND NOISE RESTRICTIONS FOR DRIVING OF PILES.

JACKSON HILL CONDOMINIUM ASSOCIATION
1 JACKSON HILL ST
PORTSMOUTH, N.H.

0	ISSUED FOR COMMENT	9/3/19
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NO. DESCRIPTION DATE

REVISIONS



SCALE: AS SHOWN SEPTEMBER 2019

DOCK DETAILS **D1**