



The State of New Hampshire
Department of Environmental Services

APR 21 2020 AM 8:19 DE



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Robert R. Scott, Commissioner

April 20, 2020

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

REQUESTED ACTION

Approve Hogswave, LLC's request to perform the following work on Sagamore Creek in Portsmouth. File # 2019-03824. This project will not have significant impact on or adversely affect the values of Sagamore Creek.

Impact 175 square feet within the previously developed upland tidal buffer zone for construction of a 12-foot by 14-foot landing and access way. In addition, impact 1,370 square feet of tidal wetland to remove an existing 385 square foot fixed pier and to modify a second existing tidal docking structure consisting of a 12-foot by 38-foot fixed pier, a 4-foot by 24-foot ramp, a 10-foot by 5-foot landing float and an 8-foot by 96-foot float. The overall structure length seaward of the highest observable tide line is 84-feet, providing 6 slips on 187 feet of frontage along Sagamore Creek.

The New Hampshire Department of Environmental Services (NHDES) imposed the following conditions as part of this approval:

1. All work shall be in accordance with plans by Ambit Engineering, Inc. dated December 2019, and revised through February 20, 2020, last received by the NH Department of Environmental Services (NHDES) on February 20, 2020.
2. This permit shall not be effective until recorded at the Rockingham County Registry of Deeds Office by the permittee. A copy of the recorded permit shall be submitted to the NHDES Wetlands Bureau prior to construction.
3. Not less than 5 state business days prior to starting work authorized by this permit, the permittee shall notify the NHDES Wetlands Bureau Pease office and the local conservation commission in writing of the date on which work under this permit is expected to start.
4. Any future work in jurisdiction as specified in RSA 482-A on this property will require a new application and approval by the NHDES Wetlands Bureau.
5. This permit does not authorize the removal of trees or saplings within the waterfront buffer that would result in a tree and sapling point score below the minimum required per RSA 483-B:9, V, (a)(2)(D)(iv).
6. 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 New Hampshire Administrative Rule Env-Wq 1700.
7. Phasing of the work to remove the second existing fixed pier, as proposed, shall occur concurrently with the overall project.

8. Construction of this tidal docking structure consisting of a 12-foot by 14-foot landing and access way within the previously developed upland tidal buffer zone, a 12-foot by 38-foot fixed pier, a 4-foot by 24-foot ramp, a 10-foot by 5-foot landing float and a 8-foot by 96-foot float, with an overall structure length seaward of the highest observable tide line of 84-feet, providing 6 slips on 187 feet of frontage along Sagamore Creek in Portsmouth shall be the only docking structure on this water frontage.
9. The height of the pier's decking over the surface of the tidal wetland at normal high tide shall be a minimum of 4 feet and decking shall have at least 1-inch spacing between the decking planks to provide sufficient sunlight penetration and rainfall to underlying vegetation.
10. The seasonal structures, including but not limited to the ramp and float, shall be removed during the non-boating season and stored on the existing pier or in an upland location.
11. Construction of the dock shall occur from a barge equipped with a crane, at low tide, to reduce potential impacts to the estuarine intertidal wetlands.
12. Pile driving or pile removal work shall be done during low tide to the maximum extent practicable.
13. Pilings to be removed shall be cut level with the substrate rather than pulled, in order to limit the creation of turbidity.
14. Appropriate siltation/erosion/turbidity controls shall be in place prior to construction, shall be maintained during construction, and shall remain in place until the area is stabilized.
15. Work shall be conducted in a manner so as to minimize turbidity and sedimentation to surface waters and wetlands.
16. Work shall be conducted in a manner that avoids excessive discharges of sediments to fish spawning areas.
17. All construction-related debris shall be properly disposed of outside of the areas subject to RSA 482-A.
18. Within three days of final grading or temporary suspension of work in an area that is in or adjacent to wetlands or surface waters, all exposed soil areas shall be stabilized by seeding and mulching during the growing season, or if not within the growing season, by mulching with tack or netting and pinning on slopes steeper than 3:1.

EXPLANATION

The NHDES approved this project on March 11, 2020. The NHDES supported its decision with the following findings:

1. This is a Major Project per New Hampshire Administrative Rule Env-Wt 303.02(a), projects in sand dunes, tidal wetlands, or bogs, except for the repair of existing structures pursuant to Env-Wt 303.04(v).
2. Pursuant to New Hampshire Administrative Rule Env-Wt 204.05, in correspondence dated January 02, 2020, the applicant requested a waiver to New Hampshire Administrative Rule Env-Wt 402.21, Modification of Existing Structures.
3. The existing tidal docking structure on the subject frontage is evident in aerial imagery dated 1962 and was previously issued authorization from the State of NH Wetlands Board to replace the pier and pilings (S-01310; 1985). The structure has a history of commercial use, accommodating slip space for commercial fishing vessels.
4. The historic and current use of the site is consistent with provisions of the City of Portsmouth's Waterfront-Business zoning district, within which the property is located.

5. Currently, 1,191 square feet of structure rests on the mud at low tide. The proposed configuration will result in a net reduction of 407 square feet of overall surface area of the structure over surface waters, provide more productive use of the frontage by providing adequate depth for vessels, and no portion of the structure will rest on the mud at low tide.
6. The decking will have a minimum of 4 feet of deck height, and will have 1-inch spacing between the decking planks to provide sufficient sunlight penetration and rainfall to underlying vegetation. Further, the applicant will be utilizing a barge and crane to complete construction of the dock from the water and pile locations have been designed to minimize impacts to the underlying vegetation.
7. In correspondence dated January 13, 2020, the Portsmouth Conservation Commission recommended approval of the project.
8. In correspondence dated February 21, 2020, the Pease Development Authority, Division of Ports and Harbors, determined that after working closely with the applicant, the project would have no negative effect on navigation in the channel.
9. The Natural Heritage Bureau (NHB) report submitted with the application package (NHB19-3594) stated that although there was a record in the vicinity, there are no impacts to sensitive species expected as a result of the proposed project.
10. In accordance with New Hampshire Administrative Rule Env-Wt 204.04, a waiver will be granted if the project will not have an adverse impact to the environment or natural resources of the state, public health, or public safety, and the strict compliance with the rule will provide no benefit to the public and will cause an operation or economic hardship to the applicant.
11. Consistent with New Hampshire Administrative Rule Env-Wt 204.04, the NHDES finds that the alternative configuration proposed will reduce and minimize adverse environmental impact to the surface water and shoreline relative to the existing structure and, therefore, waives the standard configuration requirements set forth by New Hampshire Administrative Rules Env-Wt 402.21.
12. The applicant has provided evidence which demonstrates that this proposal is the alternative with the least adverse impact to areas and environments under the department's jurisdiction per New Hampshire Administrative Rule Env-Wt 302.03.
13. The applicant has demonstrated by plan and example that each factor listed in New Hampshire Administrative Rule Env-Wt 302.04(a) and (c), Requirements for Application Evaluation, has been considered in the design of the project.
14. The NHDES staff field inspection on March 03, 2020 found that the site is accurately represented in the application.
15. In accordance with RSA 482-A:8, the NHDES finds that the requirements for a public hearing do not apply as the permitted project is not of substantial public interest, and will not have a significant impact on or adversely affect the values of the estuarine resource, as identified under RSA 482-A:1.
16. In correspondence dated December 04, 2019, a letter of authorization was signed by the permittee, allowing his/her agent to act on their behalf through the permitting process.
17. In correspondence dated December 16, 2019, the New Hampshire Division of Historical Resources found that the project, as proposed, will have no effect on any potential nearby historical resources.
18. A portion of the proposed structure will extend over the adjacent property boundary. In accordance with New Hampshire Administrative Rule Env-Wt 304.04, signed authorization (dated February 06, 2020) was obtained from the abutting property owner.

His Excellency, Governor Christopher T. Sununu
and The Honorable Council
Page 4

Application file documents are being forwarded to the Governor and the Executive Council in connection with their consideration of this matter pursuant to RSA 482-A:3,II.(a) as it is a major project in public waters of the state.

We respectfully request your approval of this item.

A handwritten signature in black ink, appearing to read "Robert R. Scott", written over a horizontal line.

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

RECEIVED DEC 11 2019 Use Only NHDES LAND RESOURCES MANAGEMENT	COMPLETE Use Only DEC 12 2019	Administrative Use Only	2019-03824
			Check # 1014
			Amount: \$ 7272.60
			Initials: RS

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: 913 Sagamore Avenue TOWN/CITY: Portsmouth

TAX MAP: 223 BLOCK: LOT: 27 UNIT:

USGS TOPO MAP WATERBODY NAME: Sagamore Creek NA STREAM WATERSHED SIZE: NA

LOCATION COORDINATES (If known): X:1,222,9314.049637 Y: 203,350.331196

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 1,538 sq. ft. of permanent impact to tidal wetland and 180 sq. ft. of permanent impact to the previously developed 100' Tidal Buffer Zone for the replacement of an existing tidal docking structure consisting of a 12' x 15' accessway, a 12' x 52' fixed wood pier, a 4' x 24' aluminum gangway, a 10' x 5' landing float, and four 8' x 24' floats (overall structure length 95 feet) providing seven commercial slips on 187+/- feet of frontage along Sagamore Creek.

5. SHORELINE FRONTAGE:

N/A This does not have shoreline frontage. SHORELINE FRONTAGE: 187 Feet

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 - 3594

b. 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.

lr@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.: Ricci, Heidi

TRUST / COMPANY NAME: Hogswave, LLC.

MAILING ADDRESS: !

TOWN/CITY: 1

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.

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, Steve, 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 SR, 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:

1. 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.
2. I have reviewed and submitted information & attachments outlined in the Instructions and Required Attachment document.
3. All abutters have been identified in accordance with RSA 482-A:3, I and Env-Wt 100-900.
4. I have read and provided the required information outlined in Env-Wt 302.04 for the applicable project type.
5. I have read and understand Env-Wt 302.03 and have chosen the least impacting alternative.
6. 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.
7. 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.
8. I authorize NHDES and the municipal conservation commission to inspect the site of the proposed project.
9. I have reviewed the information being submitted and that to the best of my knowledge the information is true and accurate.
10. I understand that the willful submission of falsified or misrepresented information to the NHDES is a criminal act, which may result in legal action.
11. I am aware that the work I am proposing may require additional state, local or federal permits which I am responsible for obtaining.
12. The mailing addresses I have provided are up to date and appropriate for receipt of NHDES correspondence. NHDES will not forward returned mail.



Agent-See Authorization

Steven D. Riker

12 / 9 / 2019

Property Owner Signature

Print name legibly

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.

	Kelli L. Barnaby	Portsmouth	12-10-19
	Print name legibly	Town/City	Date

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.

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)	180 <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	1,538 <input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Vernal Pool	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
TOTAL	1,718 /	/

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) _____ sq. ft. X \$0.40 = \$ _____

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

Permanent docking structure: 1,718 sq. ft. X \$4.00 = \$ 6,872.00

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

Total = \$ 7,272.00

The Application Fee is the above calculated Total or \$400, whichever is greater = \$ 7,272.00

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

4 December, 2019

To Whom It May Concern

**RE: New Hampshire Department of Environmental Services Wetlands Bureau
Application for the replacement of the existing tidal docking structure for
Hogswave LLC., 912 Sagamore Ave, Portsmouth, NH.**

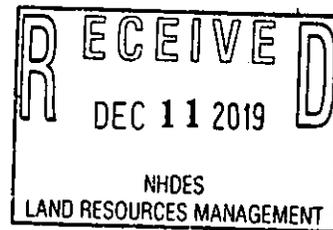
This letter is to inform the New Hampshire Department of Environmental Services, in accordance with State Law that Ambit Engineering is authorized to represent me as my agent in the approval process.

Please feel free to call me if there is any question regarding this authorization.

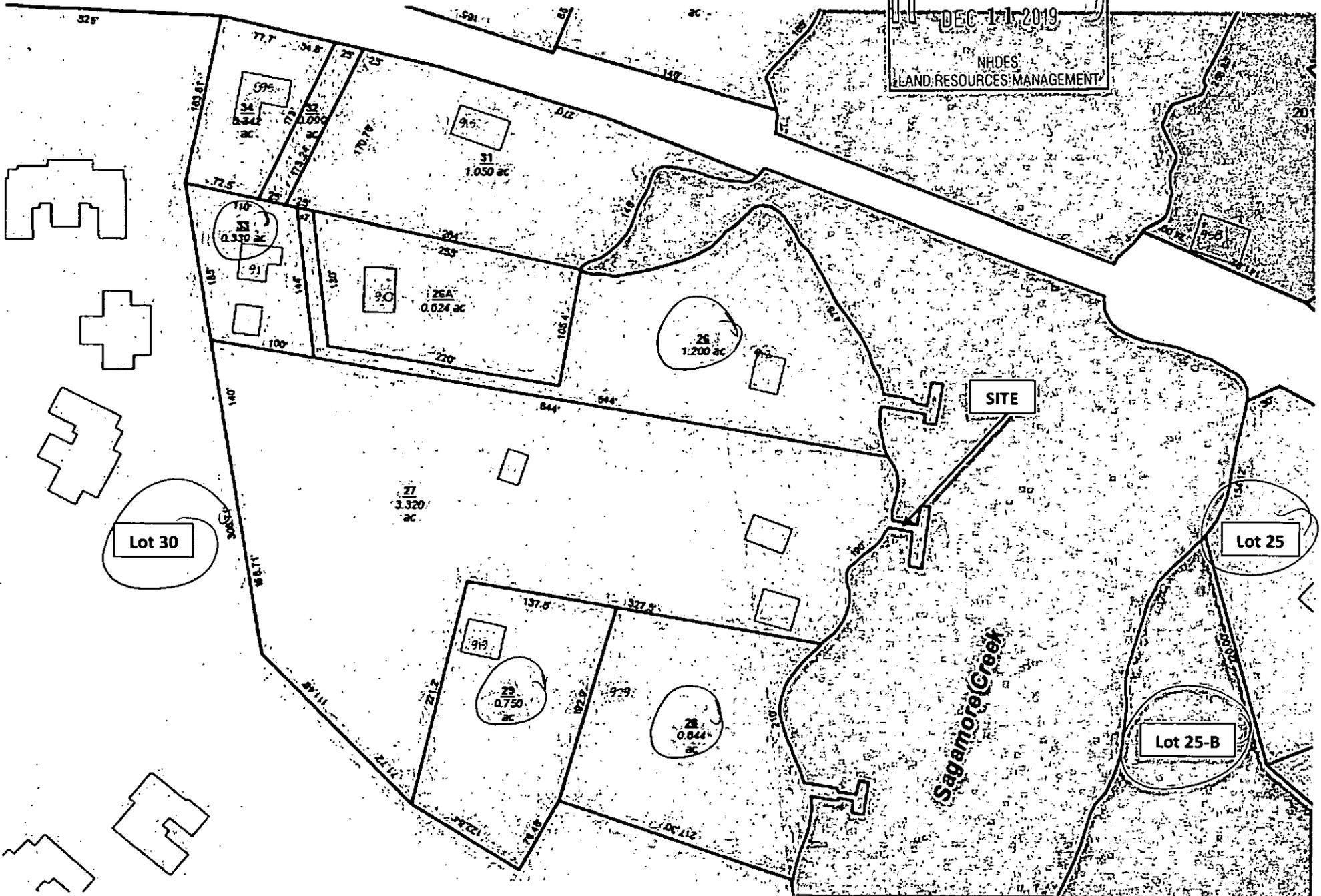
Sincerely,



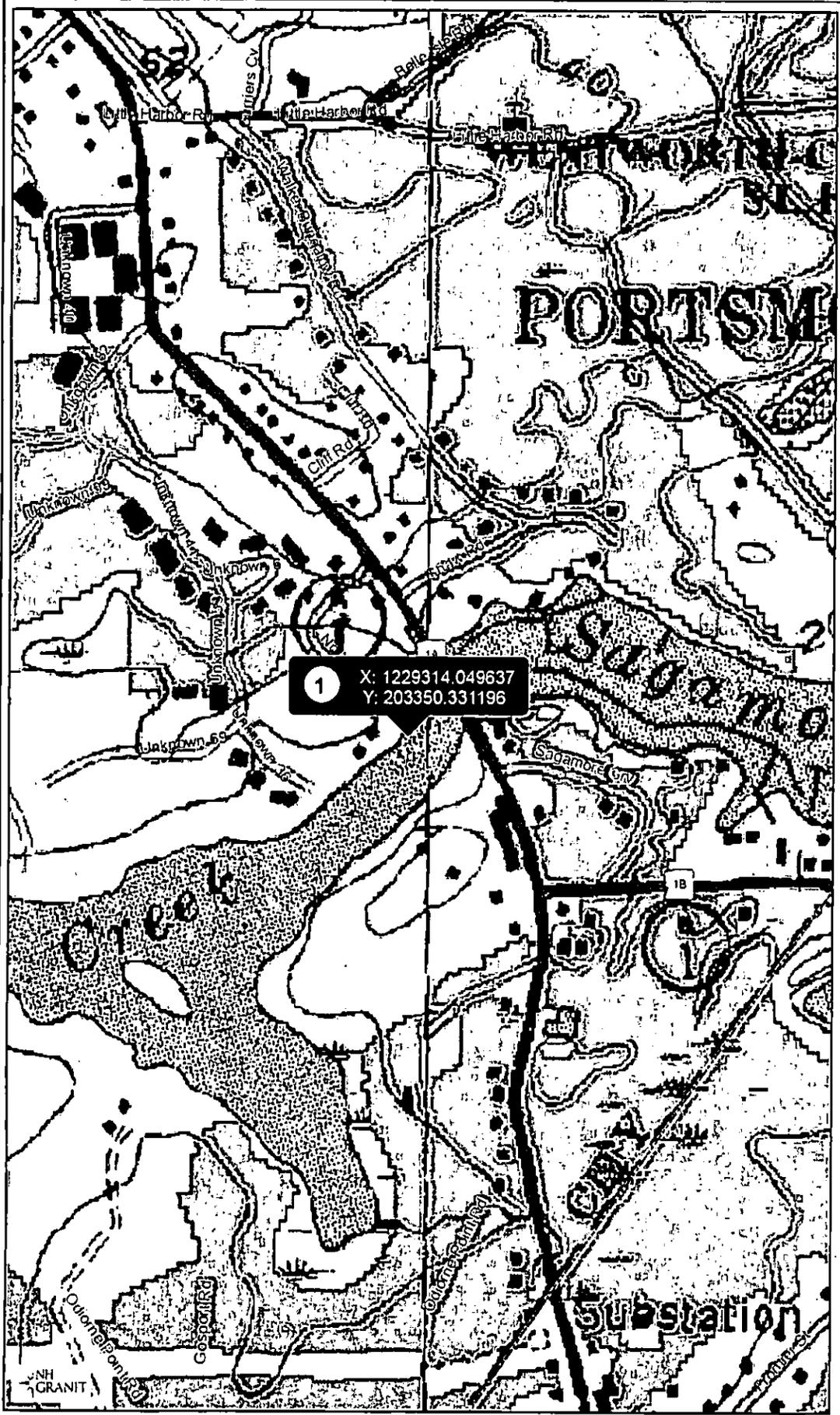
Heidi Ricci – Manager
Hogswave LLC
912 Sagamore Ave
Portsmouth, NH 03801



RECEIVED
DEC 11 2019
NHDES
LAND RESOURCES MANAGEMENT



Map by NH GRANIT



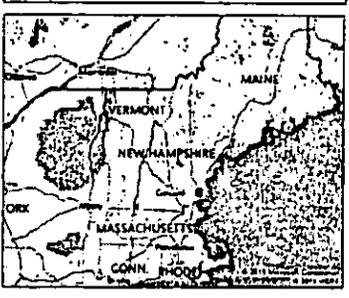
Legend

- State
- County
- City/Town

RECEIVED
 DEC 11 2019
 NHDES
 LAND RESOURCES MANAGEMENT

Map Scale
 1: 6,494 
 © NH GRANIT, www.granit.unh.edu
 Map Generated: 11/5/2019

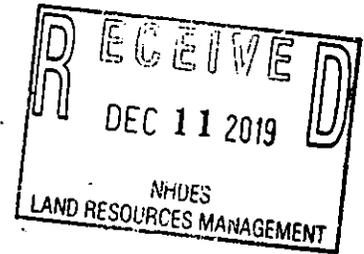
Notes
 USGS Map





NEW HAMPSHIRE NATURAL HERITAGE BUREAU
NHB DATACHECK RESULTS LETTER

To: John Chagnon, Ambit Engineering, Inc.
200 Griffin Road
Unit 3
Portsmouth, NH 03801



From: NH Natural Heritage Bureau

Date: 11/8/2019 (valid for one year from this date)

Re: Review by NH Natural Heritage Bureau of request submitted 11/6/2019

NHB File ID: NHB19-3594

Applicant: John Ricci

Location: Portsmouth
Tax Maps: 223/27

Project

Description: Expand an existing docking structure to provide improved boating access to Sagamore Creek.

The NH Natural Heritage database has been checked by staff of the NH Natural Heritage Bureau and/or the NH Nongame and Endangered Species Program 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.

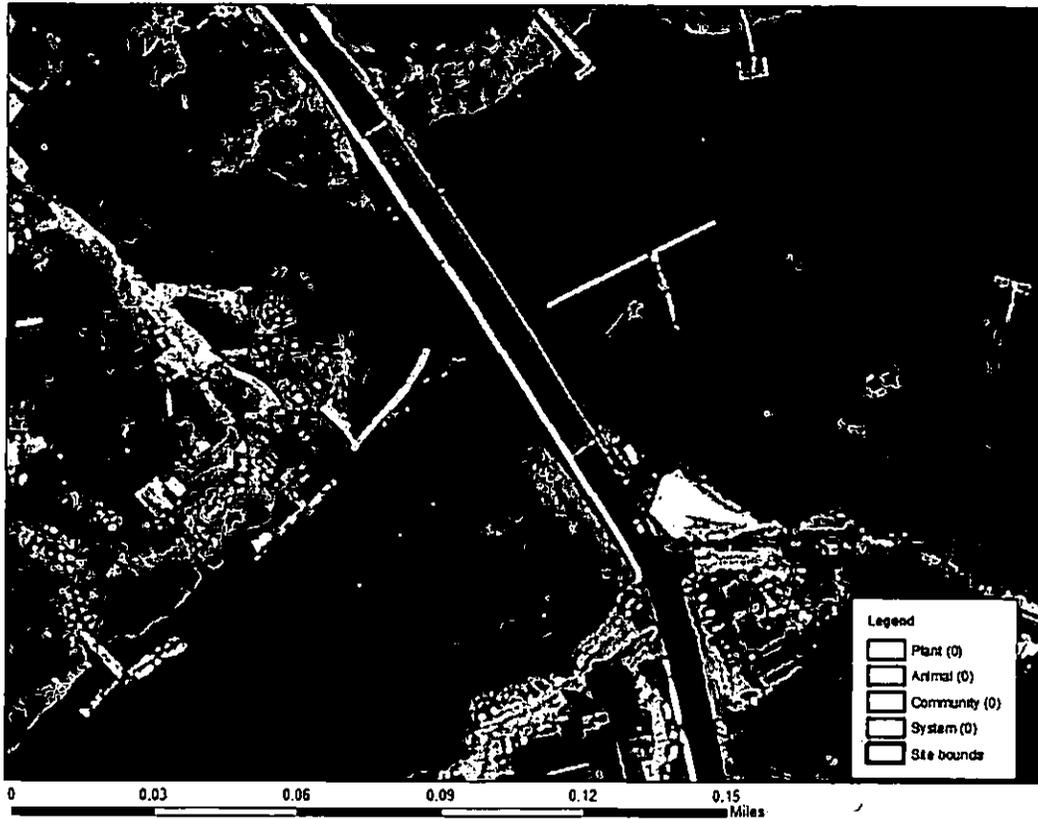
It was determined that, although there was a NHB record (e.g., rare wildlife, plant, and/or natural community) present in the vicinity, we do not expect that it will be impacted by the proposed project. This determination was made based on the project information submitted via the NHB Datacheck Tool on 11/6/2019, and cannot be used for any other project.



NEW HAMPSHIRE NATURAL HERITAGE BUREAU
NHB DATACHECK RESULTS LETTER

MAP OF PROJECT BOUNDARIES FOR: NHB19-3594

NHB19-3594



ABUTTER'S LIST

JN 3116

Client: Hogswave, LLC

Project Address: 913 Sagamore Ave, Portsmouth, NH 03801

MAP	LOT	NAME(S)	PO BOX	STREET ADDRESS	CITY/STATE/ZIP
223	28	Golter Lobster Sales, LLC			
223	29	Fanel Dobre			
223	30	Tidewatch Condominium			
223	33	Debra M. Dupont			
223	26	Heidi S. Ricci Revocable Trust			
223	25	Seacoast Mental Health Center			
223	25B	City of Portsmouth			

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NHDES
LAND RESOURCES MANAGEMENT
DEC 11 2019

- 1) MOBILIZATION OF A CRANE BARGE, PUSH BOAT, WORK BOAT, 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 INDICES AUTHORIZED TO BE FILLED AND REPAIR DAMAGE AREAS THAT THE CORP AND INDICES AUTHORIZED AS SECONDARY IMPACTS. IF NOT SPECIFICALLY AUTHORIZED BY USACE AND INDICES, ANY UNAUTHORIZED FILL OR SECONDARY IMPACT TO WETLANDS MAY BE CONSIDERED AS A VIOLATION OF THE CWA.
 UNLESS SPECIFICALLY AUTHORIZED USACE AND INDICES, 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 INDICES AUTHORIZATION. SIMILARLY, NOT USING MATS DURING FROZEN, DRY OR OTHER CONDITIONS MAY BE ALLOWED WITH WRITTEN CORPS AND INDICES AUTHORIZATION. AN ADEQUATE SUPPLY OF SPILL CONTAINMENT EQUIPMENT SHALL BE MAINTAINED ON SITE. CONDUIT 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. 8TH, OR
 II. MUST BE DRILLED AND PILED 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 3-4M ABOVE:
 I. IN-WATER NOISE LEVELS SHALL NOT >187dB SEL RE WPA OR 206dB PEAK RE WPA AT A DISTANCE >10M FROM THE PILE BEING INSTALLED, AND
 II. IN-WATER NOISE LEVELS >152dB PEAK RE WPA SHALL NOT EXCEED 12 CONSECUTIVE HOURS ON ANY GIVEN DAY AND A 12 HOUR RECOVERY PERIOD (I.E., IN-WATER NOISE BELOW 135dB PEAK RE WPA) MUST BE PROVIDED BETWEEN WORK DAYS.

WORK SITE RESTORATION
 I. UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED WETLAND AREAS SHALL BE PROPERLY STABILIZED. ANY SEED MIX SHALL CONTAIN ONLY PLANT SPECIES NATIVE TO NEW ENGLAND.
 II. THE INTRODUCTION OR SPREAD OF INVASIVE PLANT SPECIES IN DISTURBED AREAS IS PROHIBITED.
 III. 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.
 IV. 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 RESTORATION 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.

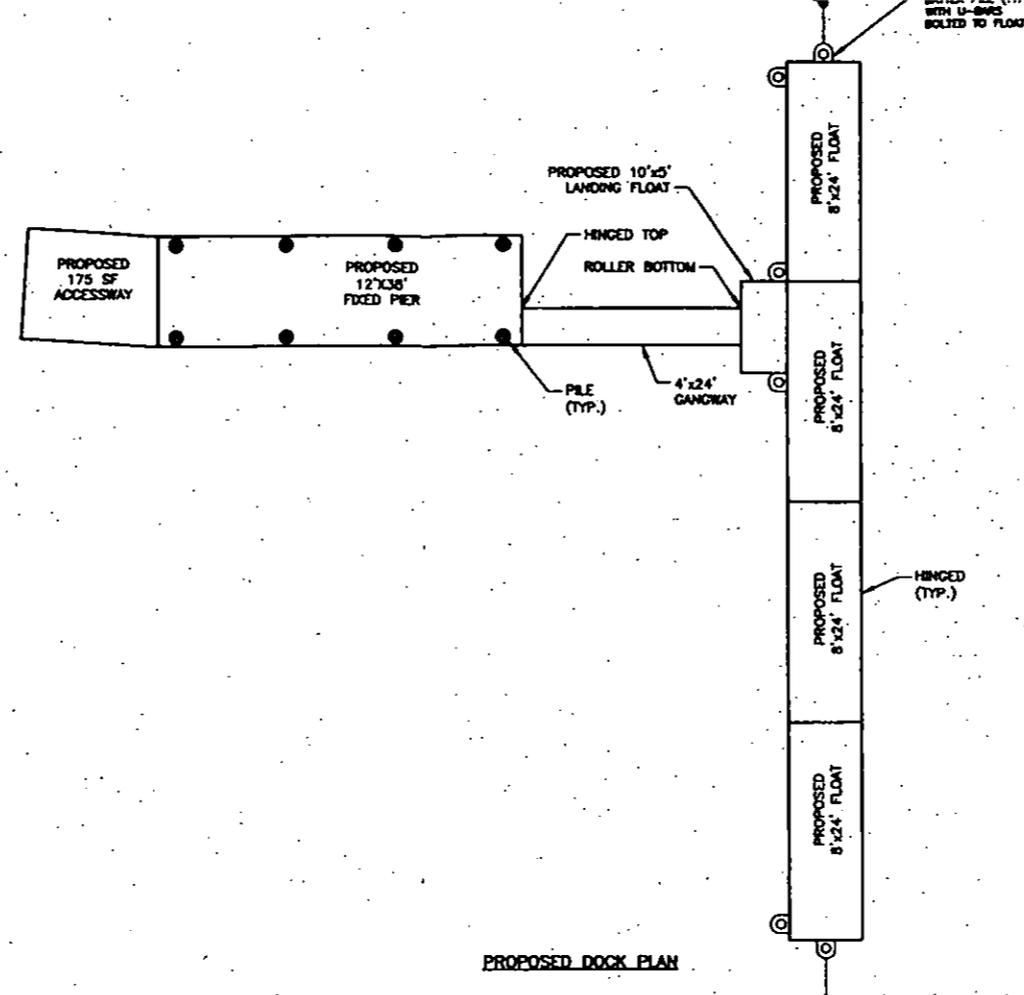
SEDIMENTATION AND EROSION CONTROL
 ADEQUATE SEDIMENTATION AND EROSION CONTROL MEASURES, PRACTICES AND DEVICES, SUCH AS PHASED CONSTRUCTION, VEGETATED FILTER STRIPS, COARSE SILT FENCES, STORMWATER DETENTION AND INFILTRATION SYSTEMS, SEDIMENT DETENTION BASINS, OR OTHER DEVICES SHALL BE INSTALLED AND PROPERLY 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 FLOTTING MATERIAL, 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 BY 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 MACHUSON-STEVENS FISHERY CONSERVATION AND MANAGEMENT ACT (I.E., CFW FOR SPAWNING ADULTS) CAN BE OBTAINED FROM THE HAF'S WEBSITE AT: WWW.NEBO.NHGA.GOV/NECO.

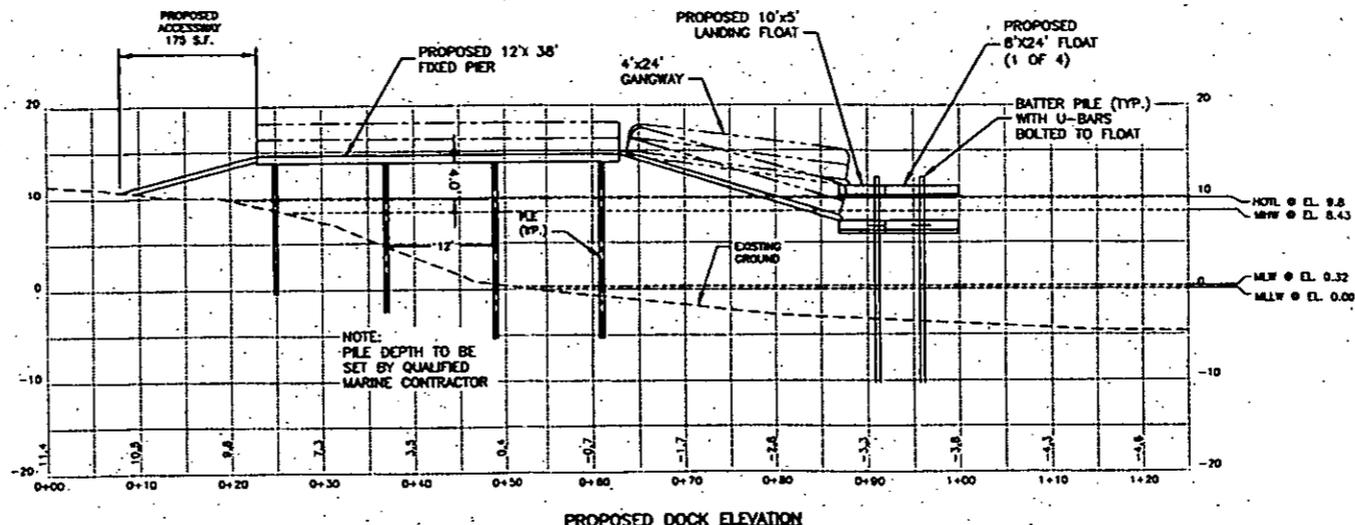
STORAGE OF SEASONAL STRUCTURES
 COASTAL STRUCTURES SUCH AS PIER SECTIONS, FLOATS, ETC., THAT ARE REMOVED FROM THE WATERWAY FOR A PORTION OF THE YEAR (OFTEN REFERRED TO AS SEASONAL STRUCTURES) SHALL BE STORED IN AN UPLAND LOCATION, LOCATED ABOVE HIGHEST OBSERVABLE TIDE, LINE (HOTL) AND NOT IN TIDAL WETLANDS. 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 SUBSTRATE 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 INDICES HEREIN IN A MANNER THAT MINIMIZES ADVERSE IMPACTS ON FISH, WILDLIFE AND NATURAL ENVIRONMENTAL VALUES, AND 2) PROMOTE 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.NA.USACE.ARMY.MIL/REGULATORY/ FOR CONTROL METHODS.

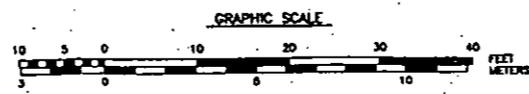
INSPECTIONS
 THE PERMITTEE SHALL ALLOW THE CORPS AND INDICES TO MAKE PERIODIC INSPECTIONS AT ANY TIME DEDICATED NECESSARY IN ORDER TO ENSURE THAT THE WORK IS BEING OR HAS BEEN PERFORMED IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THIS PERMIT. THE CORPS AND INDICES MAY ALSO REQUIRE POST-CONSTRUCTION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



PROPOSED DOCK PLAN

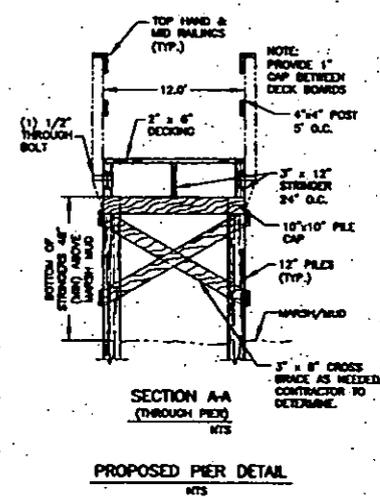


PROPOSED PIER, GANGWAY & FLOAT w/ PILES



Civil Engineers & Land Surveyors
 280 Griffin Road - Dept 3
 Portsmouth, N.H. 03801-7114
 Tel (603) 436-8282
 Fax (603) 436-8218

- NOTES:**
- 1) THE CONTRACTOR SHALL NOTIFY DGC 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 2006).
 - 4) NUMBER OF PILES TO BE DRIVEN FOR DOCKING STRUCTURE NOT TO EXCEED 16 PILES AS DEPICTED ON PROPOSED DOCK ELEVATION. ALSO NOTE TIME OF YEAR AND NOISE RESTRICTIONS FOR DRIVING OF PILES.



PROPOSED PIER DETAIL

HOGSWAVE, LLC
DOCK REPLACEMENT
913 SAGAMORE AVENUE
PORTSMOUTH, N.H.

NO.	DESCRIPTION	DATE
2	REDUCED PIER LENGTH, SHIFTED FLOATS	2/20/20
1	REDUCED PIER LENGTH	2/5/20
0	ISSUED FOR COMMENT	12/9/19



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 FEB 20 2020
 ENVIRONMENTAL SERVICES
 BY NH DES WETLANDS BUREAU

SCALE: 1" = 10' DECEMBER 2019

DOCK DETAILS
D1

J:\WORK\19-0100\19-0100.dwg 3/18/2018 10:11:18 AM 318x218 Plotting\Prints & Sheets\318x218.dwg 01 DOCK

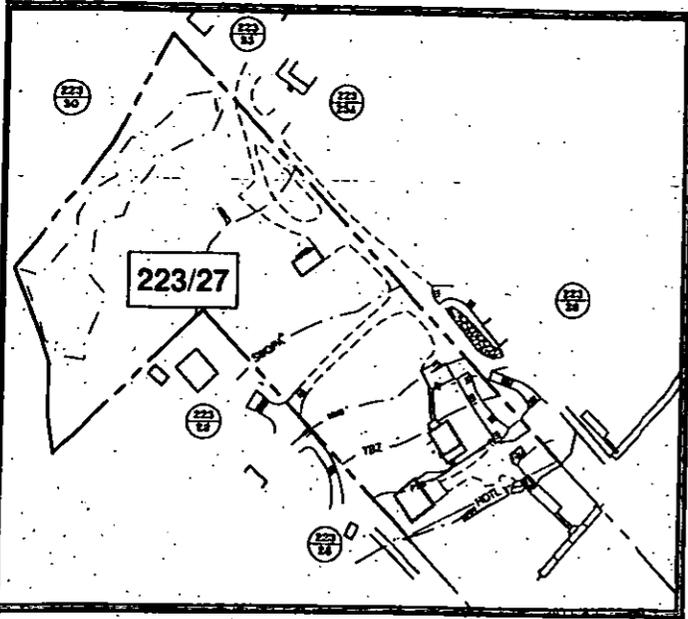
	PROPOSED IMPACT	IMPACT AREAS
TIDAL WATERS WETLAND (E2U/S3M)	1,370	(12x38)(4x24)(10x5)(8x24) (8x24)(8x24)(8x24)
TIDAL BUFFER ZONE	175	175 SQ. FT
TOTAL	1,545 S.F.	



LOCATION MAP
SCALE: 1" = 300'

LEGEND:

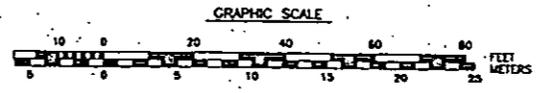
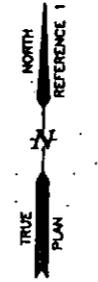
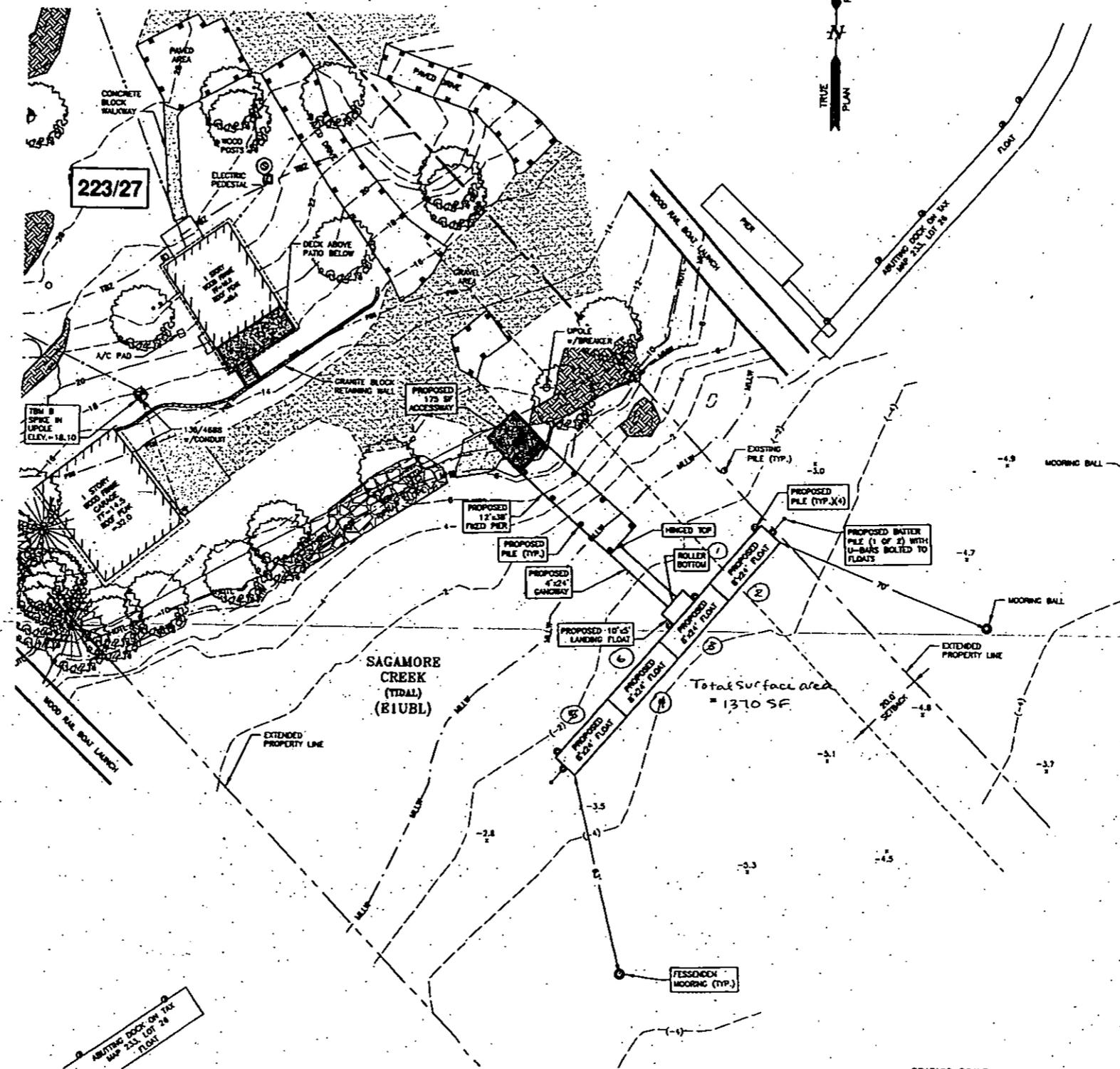
N/T	NON OR FORMERLY
RP	RECORD OF PROBATE
RCRD	ROCKINGHAM COUNTY
	RECORD OF DEEDS
⊕	MAP 11/LOT 21
○ P FND	IRON PIPE FOUND
○ R FND	IRON ROD FOUND
○ R SET	IRON ROD SET
○ D H SET	DRILL HOLE SET
○ R R SPK SET	REBAR SPIKE SET
□ BND W/ D/H	BOUND WITH DRILL HOLE
□ ST BND W/ D/H	STONE BOUND W/ DRILL HOLE
---	EDGE OF PAVEMENT (EP)
---	MEAN HIGH WATER LINE
---	HIGHEST OBSERVABLE TIDE LINE
---	MEAN LOWER LOW WATER LINE
---	MEAN LOW WATER LINE
---	EDGE OF WETLAND
---	CONTOUR
---	WOODS / TREE LINE
①	SITE PHOTO LOCATION/DIRECTION
TM	TEMPORARY BENCHMARK
TYP.	TYPICAL



OVERALL PROPERTY VIEW
SCALE: 1" = 100'

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. DOMBERSTADT, L.L.S. #1000



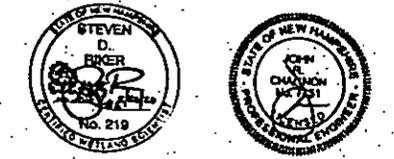
- NOTES:**
- 1) PARCEL IS SHOWN ON THE CITY OF PORTSMOUTH ASSESSOR'S MAP 223 AS LOT 27.
 - 2) OWNER OF RECORD: HOGSWAVE, LLC
6053/421
 - 3) PORTIONS OF THE PARCEL ARE IN A SPECIAL FLOOD HAZARD AREA, ZONE AE (EL. 9) AS SHOWN ON FROM PANEL 3301500270E. EFFECTIVE DATE MAY 17, 2005.
 - 4) EXISTING LOT AREA: 135,427± S.F. TO MEAN HIGH WATER
3.1090± ACRES TO MEAN HIGH WATER
 - 5) PARCEL IS LOCATED IN THE WATERFRONT BUSINESS (WB) ZONING DISTRICT.
 - 6) DIMENSIONAL REQUIREMENTS:

MIN. LOT AREA:	20,000 S.F.
FRONTAGE:	100 FEET
DEPTH:	30 FEET
SETBACKS:	FRONT 30 FEET
	SIDE 30 FEET
	REAR 20 FEET
MAXIMUM STRUCTURE HEIGHT:	35 FEET
MAXIMUM BUILDING COVERAGE:	30%
MINIMUM OPEN SPACE:	20%
 - 7) THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED TIDAL DOCK ON ASSESSOR'S MAP 223 LOT 27 IN THE CITY OF PORTSMOUTH.
 - 8) VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW). MLLW BASED ON NOAA STATION 8419870 PORTSMOUTH HARBOR, SEAVEY ISLAND. MLLW BEING 4.62' LOWER THAN 0.0 NAVD83. BASIS OF VERTICAL DATUM IS REDUNDANT RTN GPS OBSERVATIONS (±0.2').
 - 9) MEAN HIGH WATER LINE SHOWN AT ELEVATION 8.43 PER NOAA STATION 8419870 SEAVEY ISLAND, PORTSMOUTH HARBOR.
 - 10) PROPERTY IS SUBJECT TO AND BENEFITS FROM A 25 FOOT WIDE RIGHT-OF-WAY IN COMMON WITH OTHERS FROM SAGAMORE AVENUE.
 - 11) PROPERTY IS SUBJECT TO A 25 FOOT WIDE RIGHT-OF-WAY FOR THE BENEFIT OF ASSESSOR'S MAP 223 LOTS 28 & 29.

RECEIVED
FEB 20 2020
ENVIRONMENTAL SERVICES
BY NH DES WETLANDS BUREAU

HOGSWAVE, LLC
DOCK REPLACEMENT
913 SAGAMORE AVENUE
PORTSMOUTH, N.H.

NO.	DESCRIPTION	DATE
2	REDUCE PIER LENGTH, SHIFTED FLOATS	2/20/20
1	REDUCED PIER LENGTH, ADDED MOORINGS	2/5/20
0	ISSUED FOR COMMENT	12/9/19



SCALE: 1" = 20' DECEMBER 2019

NHDES PERMIT PLAN

C2

- NOTES:**
- 1) PARCEL IS SHOWN ON THE CITY OF PORTSMOUTH ASSESSOR'S MAP 223 AS LOT 27.
 - 2) OWNERS OF RECORD: HOGSWAVE, LLC
 0053/421
 - 3) PORTIONS OF THE PARCEL ARE IN A SPECIAL FLOOD HAZARD AREA, ZONE AE (EL. 9') AS SHOWN ON FRM PANEL 3301500270E, EFFECTIVE DATE MAY 17, 2005.
 - 4) EXISTING LOT AREA: 135,427± S.F. TO MEAN HIGH WATER, 3.1090± ACRES TO MEAN HIGH WATER
 - 5) PARCEL IS LOCATED IN THE WATERFRONT BUSINESS (WB) ZONING DISTRICT.
 - 6) DIMENSIONAL REQUIREMENTS:
 MIN. LOT AREA: 20,000 S.F.
 FRONTAGE: 100 FEET
 DEPTH: 100 FEET
 SETBACKS: FRONT 30 FEET, SIDE 30 FEET, REAR 20 FEET
 MAXIMUM STRUCTURE HEIGHT: 35 FEET
 MAXIMUM BUILDING COVERAGE: 30%
 MINIMUM OPEN SPACE: 20%
 - 7) THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS ON A PORTION OF ASSESSOR'S MAP 223 LOT 27 IN THE CITY OF PORTSMOUTH AND PROPOSED DEMOLITION ASSOCIATED WITH THE REPLACEMENT OF A DOCKING STRUCTURE.
 - 8) VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW), MLLW BASED ON NOAA STATION 8418870 PORTSMOUTH HARBOR, SEAVEY ISLAND, MLLW BEING 4.82' LOWER THAN 0.0 NAVD83. BASIS OF VERTICAL DATUM IS REDUNDANT RTM GPS OBSERVATIONS (±0.2').
 - 9) MEAN HIGH WATER LINE SHOWN AT ELEVATION 8.43 PER NOAA STATION 8418870 SEAVEY ISLAND, PORTSMOUTH HARBOR.
 - 10) PROPERTY IS SUBJECT TO AND BENEFITS FROM A 25 FOOT-WIDE RIGHT-OF-WAY IN COMMON WITH OTHERS FROM SAGAMORE AVENUE.
 - 11) PROPERTY IS SUBJECT TO A 25 FOOT WIDE RIGHT-OF-WAY FOR THE BENEFIT OF ASSESSOR'S MAP 223 LOTS 28 & 29.

RECEIVED
 FEB 20 2020
 ENVIRONMENTAL SERVICES
 BY NHDDES REGULATORY BUREAU

HOGSWAVE, LLC
 DOCK REPLACEMENT
 913 SAGAMORE AVENUE
 PORTSMOUTH, N.H.

NO.	DESCRIPTION	DATE
0	ISSUED FOR COMMENT	12/9/19
REVISIONS		

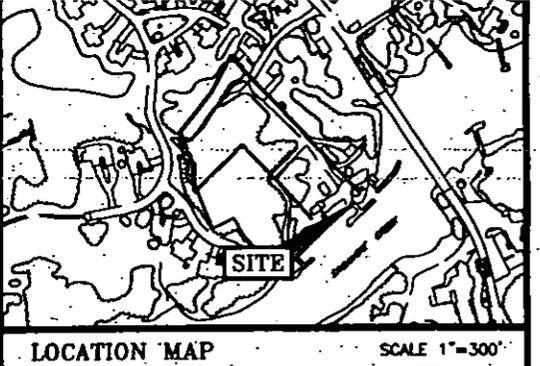
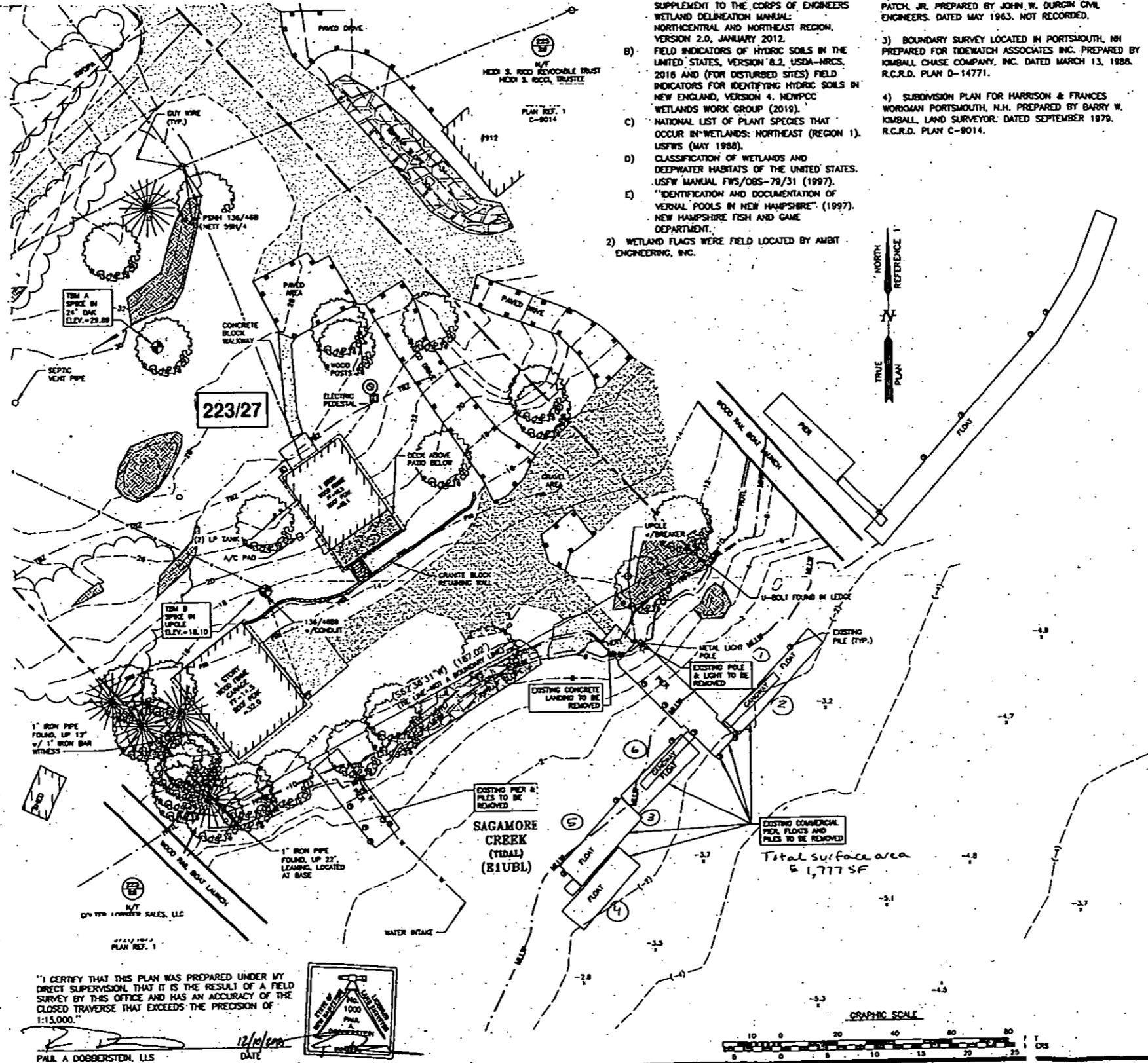


SCALE: 1" = 20' DECEMBER 2019

EXISTING CONDITIONS & DEMOLITION PLAN **C1**

- PLAN REFERENCES:**
- 1) DIVISION OF LAND, PORTSMOUTH, N.H. FOR HARRISON H. & FRANCIS E. WORGAN, PREPARED BY JOHN W. DURGIN ASSOCIATES, DATED DECEMBER 1953, REVISED MARCH 1979, NOT RECORDED.
 - 2) PLAN OF LOTS, PORTSMOUTH, N.H. FOR GARLAND W. PATCH, JR. PREPARED BY JOHN W. DURGIN CIVIL ENGINEERS, DATED MAY 1963, NOT RECORDED.
 - 3) BOUNDARY SURVEY LOCATED IN PORTSMOUTH, NH PREPARED FOR TOWNMATCH ASSOCIATES INC. PREPARED BY KIMBALL CHASE COMPANY, INC. DATED MARCH 13, 1988, R.C.R.D. PLAN D-14771.
 - 4) SUBDIVISION PLAN FOR HARRISON & FRANCIS WORGAN PORTSMOUTH, N.H. PREPARED BY BARRY W. KIMBALL, LAND SURVEYOR, DATED SEPTEMBER 1979, R.C.R.D. PLAN C-9014.

- WETLAND NOTES:**
- 1) HIGHEST OBSERVABLE TIDE LINE & WETLAND LINE DELINEATED BY STEVEN D. RIKER, CWS ON 11/8/19 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 8.2, USDA-NRCS, 2018 AND (FOR DISTURBED SITES) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4, NEWPPCC WETLANDS WORK GROUP (2019).
 - 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, USFWS 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 BY AMBIT ENGINEERING, INC.



- BEST MANAGEMENT PRACTICES NOTES:**
- 1) THE CONTRACTOR SHALL NOTIFY DIG SAFE AT 1-888-DIG-SAFE (1-888-344-7233) AT LEAST 24 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
 - 2) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON 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).

- DEMOLITION NOTES**
- 1) THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE AND THE LOCATIONS ARE NOT GUARANTEED BY THE OWNER OR THE DESIGNER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITIES AND ANTICIPATE CONFLICTS. CONTRACTOR SHALL REPAIR EXISTING UTILITIES DAMAGED BY THEIR WORK AND RELOCATE EXISTING UTILITIES THAT ARE REQUIRED TO BE RELOCATED PRIOR TO COMMENCING ANY WORK IN THE IMPACTED AREA OF THE PROJECT.
 - 2) ALL MATERIALS SCHEDULED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTORS UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL DISPOSE OF ALL MATERIALS OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, ORDINANCES AND CODES. THE CONTRACTOR SHALL COORDINATE REMOVAL, RELOCATION, DISPOSAL OR SALVAGE OF UTILITIES WITH THE OWNER AND APPROPRIATE UTILITY COMPANY.
 - 3) ANY EXISTING WORK OR PROPERTY DAMAGED OR DISRUPTED BY CONSTRUCTION/ DEMOLITION ACTIVITIES SHALL BE REPLACED OR REPAIRED TO THE ORIGINAL EXISTING CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
 - 4) THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES AND CALL DIG SAFE AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION/CONSTRUCTION ACTIVITIES.
 - 5) IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE CONDITIONS OF ALL THE PERMIT APPROVALS.
 - 6) THE CONTRACTOR SHALL OBTAIN AND PAY FOR ADDITIONAL CONSTRUCTION PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK AND ARRANGE FOR AND PAY FOR ANY INSPECTIONS AND APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL AND OFF-SITE DISPOSAL OF MATERIALS REQUIRED TO COMPLETE THE WORK.
 - 7) THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING STRUCTURES, CONCRETE, UTILITIES, VEGETATION, PAVEMENT, AND CONTAMINATED SOIL WITHIN THE WORK LIMITS SHOWN UNLESS SPECIFICALLY IDENTIFIED TO REMAIN. ANY EXISTING DOMESTIC / IRRIGATION SERVICE WELLS IN THE PROJECT AREA IDENTIFIED DURING THE CONSTRUCTION AND NOT CALLED OUT ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER FOR PROPER CAPPING / RE-USE. ANY EXISTING MONITORING WELLS IN THE PROJECT AREA IDENTIFIED DURING THE CONSTRUCTION AND NOT CALLED OUT ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER TO COORDINATE MONITORING WELL REMOVAL AND/OR RELOCATION WITH NHDES AND OTHER AUTHORITY WITH JURISDICTION PRIOR TO CONSTRUCTION.
 - 8) REMOVE TREES AND BRUSH AS REQUIRED FOR COMPLETION OF WORK. CONTRACTOR SHALL GRUB AND REMOVE ALL SLUMPS WITHIN LIMITS OF WORK AND DISPOSE OF OFF-SITE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.
 - 9) CONTRACTOR SHALL PROTECT ALL PROPERTY MONUMENTATION THROUGHOUT DEMOLITION AND CONSTRUCTION OPERATIONS. SHOULD ANY MONUMENTATION BE DISTURBED, THE CONTRACTOR SHALL EMPLOY A NH LICENSED LAND SURVEYOR TO REPLACE THEM.
 - 10) THE CONTRACTOR SHALL PAY ALL COSTS NECESSARY FOR TEMPORARY PARTITIONING, BARRICADING, FENCING, SECURITY AND SAFETY DEVICES REQUIRED FOR THE MAINTENANCE OF A CLEAN AND SAFE CONSTRUCTION SITE.
 - 11) ANY CONTAMINATED MATERIAL REMOVED DURING THE COURSE OF THE WORK WILL REQUIRE HANDLING IN ACCORDANCE WITH NHDES REGULATIONS. CONTRACTOR SHALL HAVE A HEALTH AND SAFETY PLAN IN PLACE, AND COMPLY WITH ALL APPLICABLE PERMITS, APPROVALS, AUTHORIZATIONS, AND REGULATIONS.

"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. DOBERSTERN, LLS
 DATE: 12/10/19

A:\Projects\1910\1910-0019 Portsmouth\Drawings & Specs\1910-0019 DOCK 2019.dwg, 01.19.19