



The State of New Hampshire
Department of Environmental Services

Robert R. Scott, Commissioner



dam
48

March 23, 2021

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

REQUESTED ACTION

Approve Steven A. Joselow 1990 TR's and Margaret A. Lamb 1990 TR's request to perform work on the Piscataqua River in New Castle as outlined below. This request is pursuant to New Hampshire Department of Environmental Services (NHDES) file #2020-01937. This project will not have significant impact on, or adversely affect, the values of the Piscataqua River.

Impact 514 square feet of tidal wetland to extend the existing pier with a 4 foot by 31 foot pier connected to a 3 foot by 30 foot ramp connected to a 10 foot by 30 foot float. Also, permanently impact 180 square feet and temporarily impact 175 square feet of tidal wetland and permanently impact 580 square feet and temporarily impact 500 square feet of previously-developed upland tidal buffer zone to access and replace an existing stone revetment. The overall docking structure length seaward of the highest observable tide line is 126-feet, providing two slips on 102-feet of frontage along the Piscataqua River.

The NHDES imposed the following conditions as part of this approval:

1. All work shall be done in accordance with the approved plans by Ambit Engineering, Inc. received by the NH Department of Environmental Services (NHDES) on December 7, 2020, in accordance with Env-Wt 307.16;
 - a. 'NHDES Dock Permit Plan' (Sheet C2) and 'Dock Details' (Sheet C3) dated February 2020, revised through November 30, 2020; and,
 - b. 'Revetment Permit Plan' (Sheet C4) and 'Revetment Sections' (Sheet C5) dated June 2020, revised though January 8, 2021.
2. This permit shall not be effective until the permittee records this permit at the Rockingham County Registry of Deeds. Any limitations or conditions in the permit so recorded shall run with the land beyond the expiration of the permit. The permittee shall provide the NHDES with a copy of the permit stamped by the registry with the book and page and date of receipt, in accordance with New Hampshire Administrative Rule Env-Wt 314.02(b) and (c).
3. The ramp and float portions of residential tidal docks shall be seasonal and removed from the water during the non-boating season, in accordance with Env-Wt 606.06(b).
4. All work on the riprap revetment shall be done at low tide when the work area is fully exposed, in accordance with Env-Wt 609.10(b)(4).

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

5. Tidal docking installation shall be done by barge or upland to prevent the driving of construction equipment in or through tidal waters/wetlands or on the bottom of the inter-tidal zone, in accordance with Env-Wt 606.05(b).
6. Tidal docking construction shall be done in accordance with the standard conditions in Env-Wt 307, per Env-Wt 606.05(a).
7. Heavy equipment shall not be operated in any jurisdictional area unless specifically authorized by this permit, in accordance with Rule Env-Wt 307.15(a).
8. All work shall be conducted and maintained in such a way as to protect water quality as required by Rule Env-Wt 307.03(a) through (h).
9. In accordance with Env-Wt 307.15(b), mobile heavy equipment working in wetlands shall not be stored, maintained, or repaired in wetlands, except that repairing or refueling in a wetland is allowed if equipment cannot practicably be removed and secondary containment is provided.
10. In accordance with Env-Wt 307.03(a), no activity shall be conducted in such a way as to cause or contribute to any violation of surface water quality standards specified in RSA 485-A:8 or Env-Wq 1700; ambient groundwater quality standards established under RSA 485-C; limitations on activities in a sanitary protective area established under Env-Dw 302.10 or Env-Dw 305.10; or any provision of RSA 485-A, Env-Wq 1000, RSA 483-B, or Env-Wq 1400 that protects water quality.
11. In accordance with Env-Wt 307.03(g)(1), the person in charge of construction equipment shall inspect such equipment for leaking fuel, oil, and hydraulic fluid each day prior to entering surface waters or wetlands or operating in an area where such fluids could reach groundwater, surface waters, or wetlands.
12. In accordance with Env-Wt 307.03(g)(2), the person in charge of construction equipment shall repair any leaks prior to using the equipment in an area where such fluids could reach groundwater, surface waters, or wetlands.
13. In accordance with Env-Wt 307.03(g)(3) and (4), the person in charge of construction equipment shall maintain oil spill kits and diesel fuel spill kits, as applicable to the type(s) and amount(s) of oil and diesel fuel used, on site so as to be readily accessible at all times during construction; and train each equipment operator in the use of the spill kits.
14. In accordance with Env-Wt 307.03(h), equipment shall be staged and refueled outside of jurisdictional areas (unless allowed) and in accordance with Env-Wt 307.15.
15. In accordance with Env-Wt 307.15(a), heavy equipment shall not be operated in any jurisdictional area unless specifically authorized by this permit.
16. Restoration of all temporary impacts shall meet all of the conditions listed in Rule Env-Wt 307.12(a) through (d).

EXPLANATION

The NHDES approved this project on January 08, 2021. The NHDES supported its decision with the following findings:

1. This is classified as a major project per Rule Env-Wt 606.17(a)(1), for all new overwater structure construction in tidal waters/wetlands.
2. Per Rule Env-Wt 306.05, the applicant has addressed all of the required planning items that are used to determine the appropriate impact classification of a project and the type of approval required.

3. Per Rule Env-Wt 307.13(d), as the impacts within the previously-developed 100-foot tidal buffer zone are closer than 10 feet to an abutting property line, the applicant obtained written consent from the affected abutter.
4. Per Rule Env-Wt 307.13(e)(1), the impacts to repair the seawall do not require the applicant to obtain consent from the abutter.
5. Per Rule Env-Wt 311.06(h), the New Castle Conservation Commission (NCCC) provided a Notice of Recommendation dated October 28, 2020 stating, "the [New Castle] Conservation Commission voted unanimously to APPROVE the Ambit Engineering plans, dated 09/22/2020, for the work above the highest observable tide line, which includes new stairs, replacement decking, and buffer area planting." Additionally, during the NCCC meeting of October 6th, 2020, "motioned to give the Conservation Commission's recommendation to NHDES for the dock."
6. Per Rule Env-Wt 311.01(b), the applicant coordinated with the NH Fish and Game Department and the Natural Heritage Bureau to determine how to avoid and minimize project-related impacts on rare or protected animal species and habitat, and on protected plants or exemplary natural communities. In particular, the over dock length has been reduced to avoid impacts to an adjacent eelgrass (*Zostera marina* L.) bed.
7. Per Rule Env-Wt 313.01(a)(2), all applicable conditions specified in Env-Wt 307 have been met.
8. Per Rule Env-Wt 313.01(a)(3), all resource-specific criteria established in Env-Wt 600 have been met.
9. Per Rule Env-Wt 313.01(a)(4), all project-specific criteria established in Env-Wt 600 have been met.
10. Per Rule Env-Wt 313.01(a)(5), and as required by RSA 482-A:11, II, this permit for work to dredge or fill will not 'infringe on the property rights or unreasonably affect the value or enjoyment of property of abutting owners' based on documentation that the proposed dredge and fill activity will be located entirely within the boundary of the applicant's property interest and will not result in any observable change in off-site surface water levels or flows.
11. Per Rule Env-Wt 313.03(a) and (b), the applicant has demonstrated that potential impacts to jurisdictional areas have been avoided to the maximum extent practicable and that any unavoidable impacts have been minimized.
12. Per Rule Env-Wt 603.09, the applicant obtained a statement, dated January 8, 2021, from the Pease Development Authority, Division of Ports and Harbors regarding the projects impact on navigation and passage.
13. The residential tidal dock project meets the criteria listed in Rule Env-Wt 606.06(a) and (b).
14. Per Rule Env-Wt 606.06(e), the location, design, and method of construction for a proposed residential tidal dock has been based on the results of the coastal functional assessment (CFA), is the least environmentally-impacting practicable alternative, has been certified by a professional engineer as having sufficient structural integrity based on the results of the vulnerability assessment, and will not impede the passage of non-motorized watercraft to a degree that a reasonable person would find objectionable.
15. The tidal shoreline stabilization project meets the criteria established in Rule Env-Wt 609.01(a) through (e).
16. Per Rule Env-Wt 609.02(a) and (b), the application for the tidal shoreline stabilization project has demonstrated that the proposed technique or combination of techniques is based on best available scientific and engineering practices and addresses the criteria listed in Rule Env-Wt 609.02(b)(1) through (7).
17. Per Rule Env-Wt 609.03, for repair or rehabilitation of an existing tidal shoreline stabilization structure, the engineer or qualified coastal professional has rated the condition of the existing structure and the purpose for repair that is based on all of the criteria listed in Env-Wt 609.03(a) through (d).

His Excellency, Governor Christopher T. Sununu
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Page 4 of 4

18. Per Rule Env-Wt 202.01(b) and as required by RSA 482-A:8, the NHDES finds that the requirements for a public hearing do not apply as the project will not have a significant environmental impact, as defined in New Hampshire Administrative Rule Env-Wt 104.19, on the resources protected by RSA 482-A, or, is not of substantial public interest, as defined in New Hampshire Administrative Rule Env-Wt 104.32.

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", is written over a horizontal line.

Robert R. Scott
Commissioner



STANDARD DREDGE AND FILL WETLANDS PERMIT APPLICATION

Water Division/Land Resources Management
Wetlands Bureau



Check the Status of your Application

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

APPLICANT'S NAME: Steven A. Joselow 1990 Trust
Margaret A. Lamb 1990 Trust

TOWN NAME: New Castle

			File No: <u>2020-01939</u> Check No: <u>3508</u> Amount: <u>\$2904.00</u> Initials: <u>DO</u>
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A person may request a waiver to the requirements in Rules Env-Wt 100-900 to accommodate situations where strict adherence to the requirements would not be in the best interest of the public or the environment. A person may also request a waiver of the standards for existing dwellings over water pursuant to RSA 482-A:26, III (b). For more information, please consult the [request form](#).

SECTION 1 - REQUIRED PLANNING FOR ALL PROJECTS (Env-Wt 306.05, RSA 482-A:3, I(d)(2))
 Please use the Wetland Permit Planning Tool (WPPT), the Natural Heritage Bureau (NHB) DataCheck Tool, the Aquatic Restoration Mapper, or other sources to assist in identifying key features such as: priority resource areas (PRAs), protected species or habitats, coastal areas, designated rivers, or designated prime wetlands.

Has the required planning been completed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Does the property contain a PRA? If yes, provide the following information:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> • Does the project qualify for an Impact Classification Adjustment (e.g. NH Fish and Game Department (NHFG) and NHB agreement for a classification downgrade) or a Project-Type Exception (e.g. Maintenance or Statutory Permit-by-Notification (SPN) project)? See Env-Wt 407.02 and Env-Wt 407.04). <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No • Protected species or habitat? <ul style="list-style-type: none"> ○ If yes, species or habitat name(s): <u>Undisclosed</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ○ NHB Project ID #: <u>193670</u> • Bog? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No • Floodplain wetland contiguous to a tier 3 or higher watercourse? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No • Designated prime wetland or duly-established 100-foot buffer? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No • Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 	
Is the property within a Designated River corridor? If yes, provide the following information:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • Name of Local River Management Advisory Committee (LAC): <input type="checkbox"/> • A copy of the application was sent to the LAC on Month: <input type="checkbox"/> Day: <input type="checkbox"/> Year: <input type="checkbox"/> 	

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For dredging projects, is the subject property contaminated? • If yes, list contaminant: <u> </u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Is there potential to impact impaired waters, class A waters, or outstanding resource waters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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For stream crossing projects, provide watershed size (se Wetland Permit Planning Tool or Stream Stats): <u>N/A</u>

SECTION 2 - PROJECT DESCRIPTION (Env. Wt 311:04(i))
Provide a brief description of the project and the purpose of the project, outlining the scope of work to be performed and whether impacts are temporary or permanent. DO NOT reply "See attached", please use the space provided below.

The project proposes 675 sq. ft. of permanent impact to tidal wetland for an extension of an existing tidal docking structure including a 4' x 75' fixed pier extension, a 3' x 25' gangway, and a 10' x 30' float (overall structure length 160 feet maintaining 2 slips along 102 +/- feet of frontage along the Piscataqua River). The project also proposes the repair/replacement of the existing rip rap stone revetment which includes 175 sq. ft. of temporary construction and 180 sq. ft. of permanent impact to tidal wetland and 500 sq. ft. of temporary construction and 580 sq. ft. of permanent impact to the previously developed 100' Tidal Buffer Zone.

SECTION 3 - PROJECT LOCATION
Separate wetland permit applications must be submitted for each municipality within which wetland impacts occur.

ADDRESS: <u>12 Cranfield Street</u>

TOWN/CITY: <u>New Castle</u>

TAX MAP/BLOCK/LOT/UNIT: <u>Map 17 Lot 33</u>
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US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME: <u>Piscataqua River</u> <input checked="" type="checkbox"/> N/A

(Optional) LATITUDE/LONGITUDE in decimal degrees (to five decimal places):	<u>1 237 196 763</u> ° North <u>2 10 125 2683</u> ° West
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SECTION 4 - APPLICANT (DESIRED PERMIT HOLDER) INFORMATION (Env-Wt 311.04(a))		
If the applicant is a trust or a company, then complete with the trust or company information.		
NAME: <u>Steven A. Joselow 1990 Trust & Margaret A. Lamb 1990 Trust</u>		
MAILING ADDRESS:		
TOWN/CITY:	STATE:	ZIP CODE:
EMAIL ADDRESS:		
FAX:	PHONE:	
ELECTRONIC COMMUNICATION: By initialing here: <u>[Signature]</u> , I hereby authorize NHDES to communicate all matters relative to this application electronically.		
SECTION 5 - AUTHORIZED AGENT INFORMATION (Env-Wt 311.04(c))		
<input checked="" type="checkbox"/> N/A		
LAST NAME, FIRST NAME, M.I.: <u>Riker, Steven, D.</u>		
COMPANY NAME: <u>Ambit Engineering, Inc.</u>		
MAILING ADDRESS: <u>200 Griffin Road Unit 3</u>		
TOWN/CITY: <u>Portsmouth</u>	STATE: <u>NH</u>	ZIP CODE: <u>03801</u>
EMAIL ADDRESS: <u>sdr@ambitengineering.com</u>		
FAX:	PHONE: <u>603-430-9282</u>	
ELECTRONIC COMMUNICATION: By initialing here <u>SE</u> , I hereby authorize NHDES to communicate all matters relative to this application electronically.		
SECTION 6 - PROPERTY OWNER INFORMATION (IF DIFFERENT THAN APPLICANT) (Env-Wt 311.04(b))		
If the owner is a trust or a company, then complete with the trust or company information.		
<input checked="" type="checkbox"/> Same as applicant		
NAME:		
MAILING ADDRESS:		
TOWN/CITY:	STATE:	ZIP CODE:
EMAIL ADDRESS:		
FAX:	PHONE:	
ELECTRONIC COMMUNICATION: By initialing here <u>[Signature]</u> , I hereby authorize NHDES to communicate all matters relative to this application electronically.		

SECTION 7 - RESOURCE-SPECIFIC CRITERIA ESTABLISHED IN Env-Wt 400, Env-Wt 500, Env-Wt 600, Env-Wt 700, OR Env-Wt 900 HAVE BEEN MET (Env-Wt 313.01(a)(3))

Describe how the resource-specific criteria have been met for each chapter listed above (please attach information about stream crossings, coastal resources, prime wetlands, or non-tidal wetlands and surface waters):

Please see attached narrative

SECTION 8 - AVOIDANCE AND MINIMIZATION

Impacts within wetland jurisdiction must be avoided to the maximum extent practicable (Env-Wt 313.03(a))* . Any project with unavoidable jurisdictional impacts must then be minimized as described in the Wetlands Best Management Practice Techniques For Avoidance and Minimization and the Wetlands Permitting: Avoidance, Minimization and Mitigation Fact Sheet. For minor or major projects, a functional assessment of all wetlands on the project site is required (Env-Wt 311.03(b)(10))* .

Please refer to the application checklist to ensure that you have attached all documents related to avoidance and minimization, as well as functional assessment (where applicable). You can use the Avoidance and Minimization Checklist, the Avoidance and Minimization Narrative, or your own avoidance and minimization narrative.

**See Env-Wt 311.03(b)(6) and Env-Wt 311.03(b)(10) for shoreline structure exemptions.*

SECTION 9 - MITIGATION REQUIREMENT (Env-Wt 311.02)

If unavoidable jurisdictional impacts require mitigation, a mitigation pre-application meeting must occur at least 30 days but not more than 90 days prior to submitting this Standard Dredge and Fill Permit Application.

Mitigation Pre-Application Meeting Date: Month: Day: Year:

N/A - Mitigation is not required

SECTION 10 - THE PROJECT MEETS COMPENSATORY MITIGATION REQUIREMENTS (Env-Wt 313.01(a)(1)c)

Confirm that you have submitted a compensatory mitigation proposal that meets the requirements of Env-Wt 800 for all permanent unavoidable impacts that will remain after avoidance and minimization techniques have been exercised to the maximum extent practicable: I confirm submittal.

N/A - Compensatory mitigation is not required

SECTION 11 - IMPACT AREA (Env-Wt 311.04(g))

For each jurisdictional area that will be/has been impacted, provide square feet (SF) and, if applicable, linear feet (LF) of impact, and note whether the impact is after-the-fact (ATF; i.e., work was started or completed without a permit).

For intermittent and ephemeral streams, the linear footage of impact is measured along the thread of the channel. Please note, installation of a stream crossing in an ephemeral stream may be undertaken without a permit per Rule Env-Wt 309.02(d), however other dredge or fill impacts should be included below.

For perennial streams/ivers, the linear footage of impact is calculated by summing the lengths of disturbances to the channel and banks.

Permanent impacts are impacts that will remain after the project is complete (e.g., changes in grade or surface materials).

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

JURISDICTIONAL AREA		PERMANENT			TEMPORARY		
		SF	LF	ATF	SF	LF	ATF
Wetlands	Forested Wetland			14			2
	Scrub-shrub Wetland			3			3
	Emergent Wetland			2			1
	Wet Meadow			6			1
	Vernal Pool			2			1
	Designated Prime Wetland			2			1
	Duly-established 100-foot Prime Wetland Buffer			1			1
Surface Water	Intermittent / Ephemeral Stream		1	1		1	1
	Perennial Stream or River		1	1		1	1
	Lake / Pond		1	1		1	1
	Docking - Lake / Pond		1	1		1	1
	Docking - River		1	1		1	1
Banks	Bank - Intermittent Stream		1	1		1	1
	Bank - Perennial Stream / River		1	1		1	1
	Bank / Shoreline - Lake / Pond		1	1		1	1
Tidal	Tidal Waters	180		1	175		1
	Tidal Marsh			1			1
	Sand Dune			1			1
	Undeveloped Tidal Buffer Zone (TBZ)			1			1
	Previously-developed TBZ	580		1	500		1
	Docking - Tidal Water	675		1			1
TOTAL		1435			675		

SECTION 12 - APPLICATION FEE (RSA 482-A:3, I)

<input type="checkbox"/> MINIMUM IMPACT FEE: Flat fee of \$400.
<input type="checkbox"/> NON-ENFORCEMENT RELATED, PUBLICLY-FUNDED AND SUPERVISED RESTORATION PROJECTS, REGARDLESS OF IMPACT CLASSIFICATION: Flat fee of \$400 (refer to RSA 482-A:3, 1(c) for restrictions).
<input checked="" type="checkbox"/> MINOR OR MAJOR IMPACT FEE: Calculate using the table below:
Permanent and temporary (non-docking): 1435 SF × \$0.40 = \$ 574
Seasonal docking structure: 375 SF × \$2.00 = \$ 750
Permanent docking structure: 300 SF × \$4.00 = \$ 1,200
Projects proposing shoreline structures (including docks) add \$400 = \$ 400
Total = \$ 2,924
The application fee for minor or major impact is the above calculated total or \$400, whichever is greater = \$ 2,924

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SECTION 13 - PROJECT CLASSIFICATION (Env-Wt 306.05)

Indicate the project classification.

Minimum Impact Project Minor Project Major Project

SECTION 14 - REQUIRED CERTIFICATIONS (Env-Wt 311.11)

Initial each box below to certify:

Initials:  To the best of the signer's knowledge and belief, all required notifications have been provided.

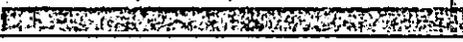
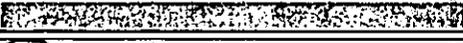
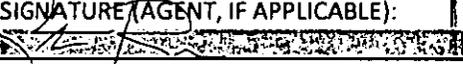
Initials:  The information submitted on or with the application is true, complete, and not misleading to the best of the signer's knowledge and belief.

Initials:  The signer understands that:

- The submission of false, incomplete, or misleading information constitutes grounds for NHDES to:
 1. Deny the application.
 2. Revoke any approval that is granted based on the information.
 3. If the signer is a certified wetland scientist, licensed surveyor, or professional engineer licensed to practice in New Hampshire, refer the matter to the joint board of licensure and certification established by RSA 310-A:1.
- The signer is subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641.
- The signature shall constitute authorization for the municipal conservation commission and the Department to inspect the site of the proposed project, except for minimum impact forestry SPN projects and minimum impact trail projects, where the signature shall authorize only the Department to inspect the site pursuant to RSA 482-A:6, II.

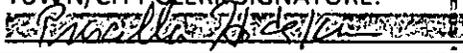
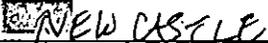
Initials:  If the applicant is not the owner of the property, each property owner signature shall constitute certification by the signer that he or she is aware of the application being filed and does not object to the filing.

SECTION 15 - REQUIRED SIGNATURES (Env-Wt 311.04(d); Env-Wt 311.11)

SIGNATURE (OWNER): 	PRINT NAME LEGIBLY: 	DATE: 
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER): 	PRINT NAME LEGIBLY: 	DATE: 
SIGNATURE (AGENT, IF APPLICABLE): 	PRINT NAME LEGIBLY: Steven D. Riker	DATE: 7/29/2020

SECTION 16 - TOWN/CITY/CLERK SIGNATURE (Env-Wt 311.04(f))

As required by RSA 482-A:3, I(a),(1), 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.

TOWN/CITY CLERK SIGNATURE: 	PRINT NAME LEGIBLY: PRISCILLA HAZEN
TOWN/CITY:  NEW CASTLE	DATE:  8-5-2020

DIRECTIONS FOR TOWN/CITY CLERK:

Per RSA 482-A:3, I(a)(1)

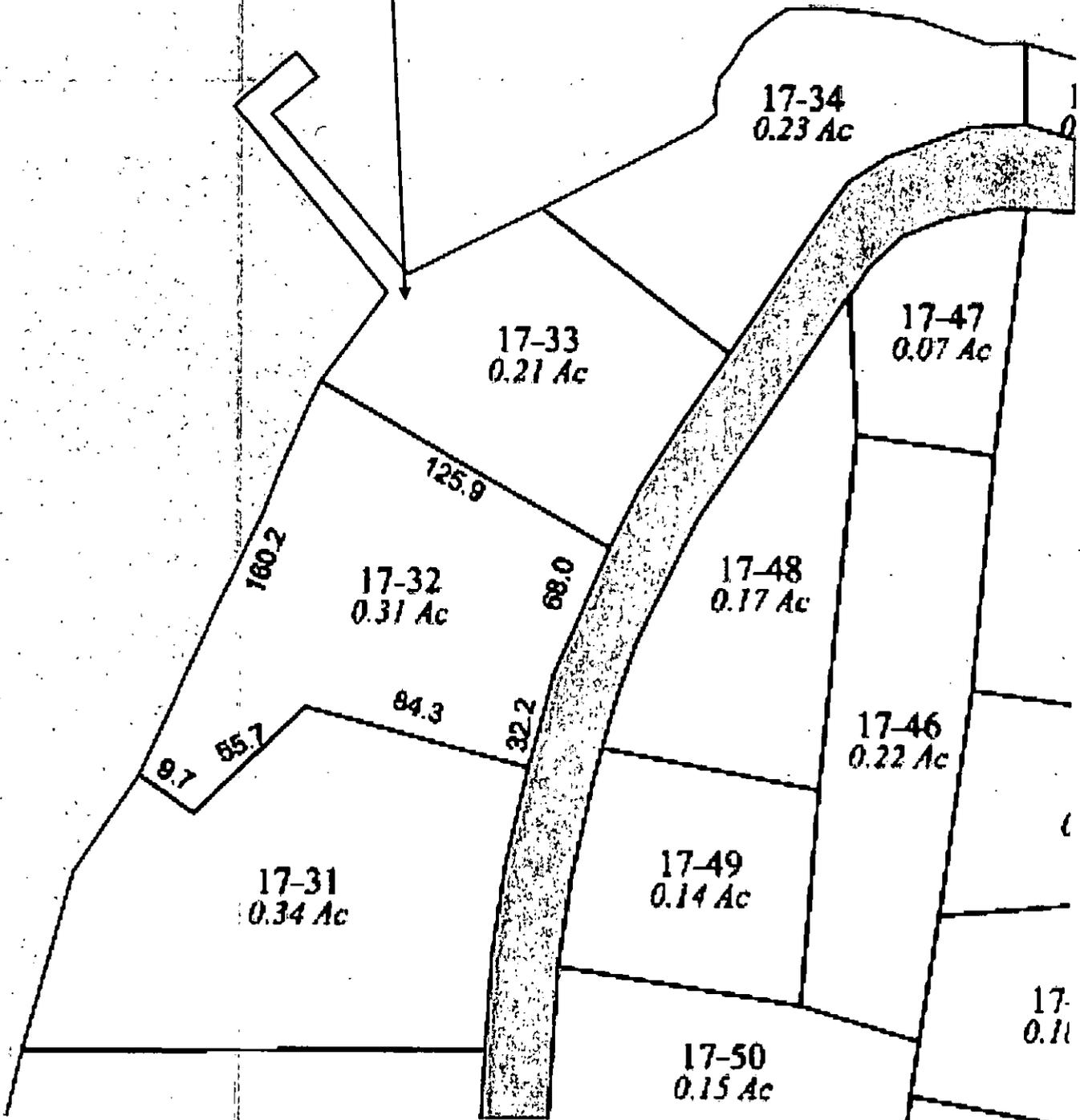
1. IMMEDIATELY sign the original application form and four copies in the signature space provided above.
2. Return the signed original application form and attachments to the applicant so that the applicant may submit the application form and attachments to NHDES by mail or hand delivery.
3. IMMEDIATELY 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.
4. Retain one copy of the application form and one complete set of attachments and make them reasonably accessible for public review.

DIRECTIONS FOR APPLICANT:

Submit the 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 at the address at the bottom of this page. Make check or money order payable to "Treasurer – State of NH".

RECEIVED
AUG 07 2020
RPOES
LAND RESOURCES MANAGEMENT

SITE



Map by NH GRANIT



Legend

- State
- County
- City/Town

RECEIVED
AUG 07 2020
LAND RESOURCES DEPARTMENT

1 X: 1237196.763911
Y: 210125.268386

Map Scale

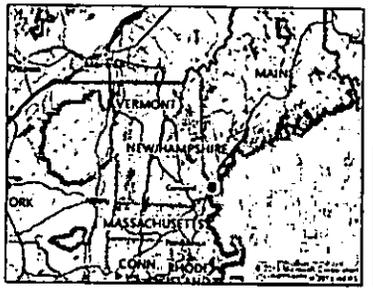
1: 12,988



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Map Generated: 11/12/2019

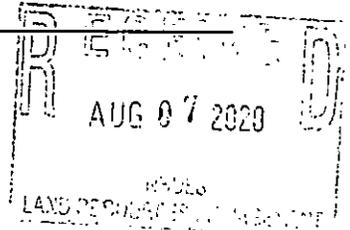
Notes

USGS Topo





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: 11/19/2019 (valid for one year from this date)

Re: Review by NH Natural Heritage Bureau of request submitted 11/12/2019

NHB File ID: NHB19-3670

Applicant: John Chagnon

Location: New Castle
Tax Maps: Tax Map 17, Lot 33

Project Description: Extension of an existing tidal docking structure.

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.

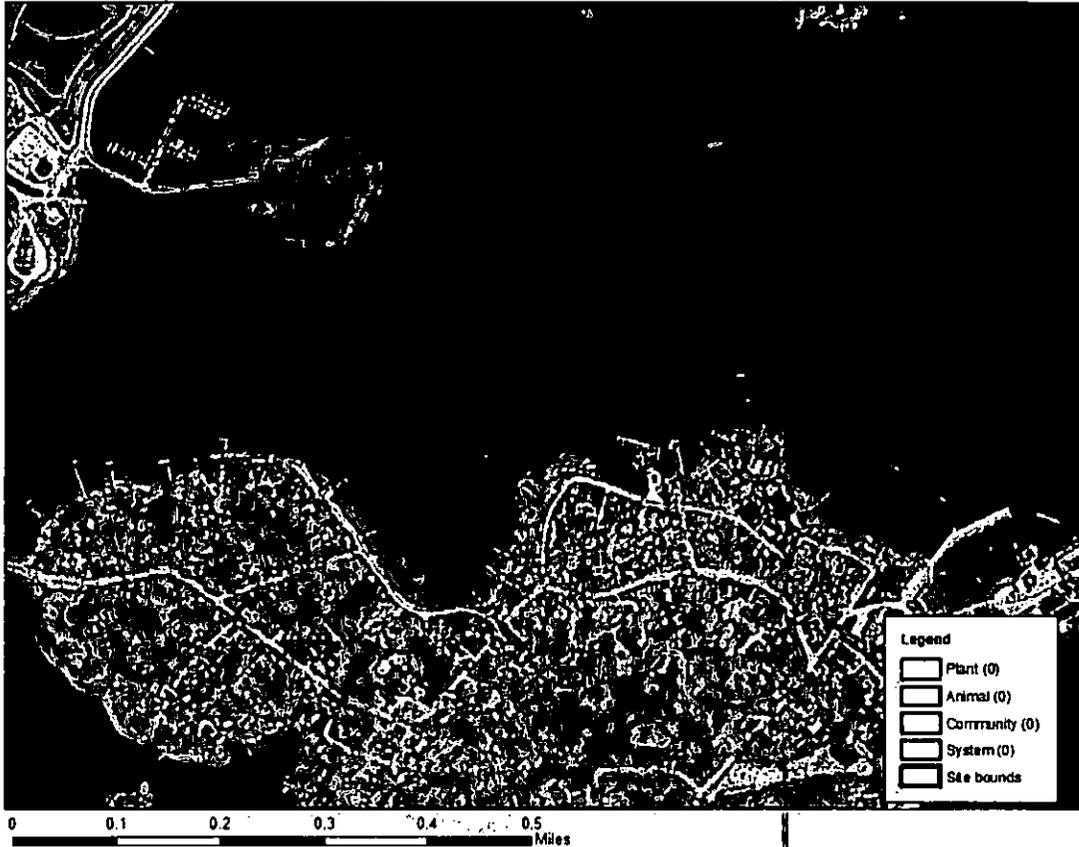
It was determined that, although there was a NHB record (e.g., rare wildlife, plant, and/or natural community) present in the vicinity, we do not expect that it will be impacted by the proposed project. This determination was made based on the project information submitted via the NHB Datacheck Tool on 11/12/2019, and cannot be used for any other project.



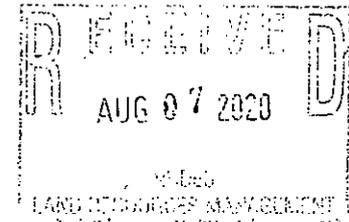
NEW HAMPSHIRE NATURAL HERITAGE BUREAU
NHB DATACHECK RESULTS LETTER

MAP OF PROJECT BOUNDARIES FOR: NHB19-3670

NHB19-3670



ABUTTER'S LIST
JN 3050.11
Steven A. Joselow 1990 Trust
Margaret A. Lamb 1990 Trust
12 Cranfield Street
New Castle, NH



MAP	LOT	NAME(S)	PO BOX	STREET ADDRESS	CITY/STATE/ZIP
207	4	Timothy C. Driscoll Trustee & Mary Anne Driscoll Trustee			
207	2	Nicholas L. and Mary G. Tilney			

SEQUENCE OF CONSTRUCTION

- 1) MOBILIZATION OF EXCAVATOR, BOBCAT, AND MATERIALS TO THE SITE VIA APPROVED ACCESS AND LAYDOWN AREAS.
- 2) MOBILIZATION OF EQUIPMENT TRUCKS TO THE SITE.
- 3) LAYOUT OF WORK AREA EXTENTS TO BE COMPLETED PRIOR TO START OF WORK.
- 4) EROSION CONTROL FENCING TO BE INSTALLED IN AREAS WHERE FEASIBLE.
- 5) ALL WORK WILL BE PERFORMED AT LOW TIDE TO MINIMIZE SEDIMENTATION.
- 6) MOST WORK TO BE COMPLETED FROM THE TOP OF THE EMBANKMENT BY EXCAVATOR. ONE SECTION AT THE NORTHERN END OF THE AREA OF WORK WILL REQUIRE ACCESS TO THE TIDE OF THE EMBANKMENT WITH THE EXCAVATOR BELOW THE HOVL. CRANE MATS WILL BE USED UNDER THE EXCAVATOR TO TRAVERSE AND WORK IN THE INTERTIDAL AREA. THE AREA OF TEMPORARY IMPACT FROM ACCESS BY THE EXCAVATOR IS ENTIRELY OVER AN AREA OF SHALE/LEDGE SO THERE WILL BE MINIMAL IMPACT.
- 7) IN AREAS WHERE STABILIZATION WILL OCCUR, THE EMBANKMENT WILL BE RESHAPED WHERE POSSIBLE. A TDE DUG IN AND A NON WOVEN GEOTEXTILE FILTER FABRIC INSTALLED. WORK ON THE SLOPE WILL BE LIMITED TO THE MAXIMUM AREA THAT CAN BE RESHAPED AND STABILIZED IN A WORKDAY THUS MINIMIZING EROSION FROM OPEN SOIL.
- 8) AFTER INSTALLATION OF THE FILTER FABRIC AND THE LAYER OF CRUSHED GRAVEL WILL BE BROUGHT IN AND LAID ON TOP. FINALLY ARMOUR STONE WILL BE SET ON TOP OF THE CRUSHED GRAVEL AND THEN CHINKED, STARTING WITH THE INSTALLATION OF THE TDE.
- 9) ONCE THE RIPRAP HAS BEEN INSTALLED THE REMAINING PORTION OF THE SLOPE WILL BE STABILIZED USING THE PROPOSED VEGETATIVE STABILIZATION PLAN.
- 10) ALL TEMPORARY AREAS OF IMPACT FROM ACCESS AND LAYDOWN WILL BE RESTORED AFTER COMPLETION OF THE PROPOSED STABILIZATION WORK. ONCE ALL AREAS HAVE BEEN STABILIZED THEN EROSION CONTROL SYSTEMS WILL BE REMOVED.

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 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. CORRIDOR ROADS AND SWAMP/CONSTRUCTION MATS ARE CONSIDERED AS FILL WHETHER THEY'RE INSTALLED TEMPORARILY OR PERMANENTLY.

TIME OF YEAR WORK WINDOW AND NOISE RESTRICTIONS

1. WORK ANTICIPATED TO BE COMPLETED DURING THE LATE SUMMER OR EARLY FALL. LBS. AND A WOOD CUSHION IS USED BETWEEN THE HAMMER AND STEEL PILE.

WORK SITE RESTORATION

1. UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED WETLAND AREAS SHALL BE PROPERLY STABILIZED. ANY SEED MIX SHALL CONTAIN ONLY PLANT SPECIES NATIVE TO NEW ENGLAND.
2. THE INTRODUCTION OR SPREAD OF INVASIVE PLANT SPECIES IN DISTURBED AREAS IS PROHIBITED.
3. 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.
4. 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 OTHERWISE 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 AS 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

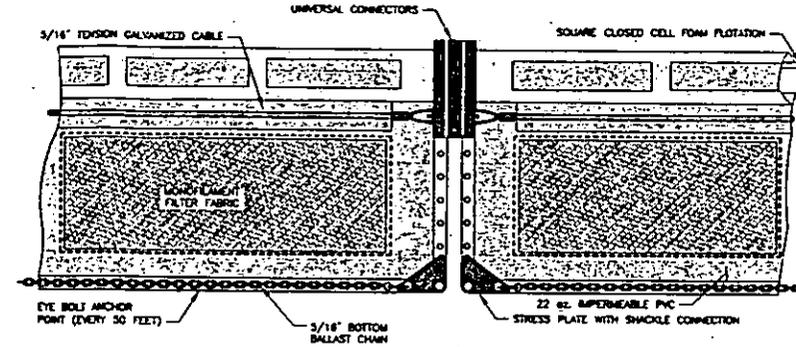
DISCHARGES OF DREDGED OR FILL MATERIAL AND/OR SUSPENDED SEDIMENT PRODUCING ACTIVITIES IN FISH AND SHELLFISH SPAWNING OR NURSERY AREAS, OR AMPHIBIAN AND MIGRATORY BIRD BREEDING AREAS, DURING SPAWNING OR BREEDING SEASONS SHALL BE AVOIDED. IMPACTS TO THESE AREAS SHALL BE MINIMIZED TO THE MAXIMUM EXTENT 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., EPH FOR SPAWNING ADULTS) CAN BE OBTAINED FROM THE NMFS WEBSITE AT: WWW.NERD.NOAA.GOV/HCD.

ENVIRONMENTAL FUNCTIONS AND VALUES

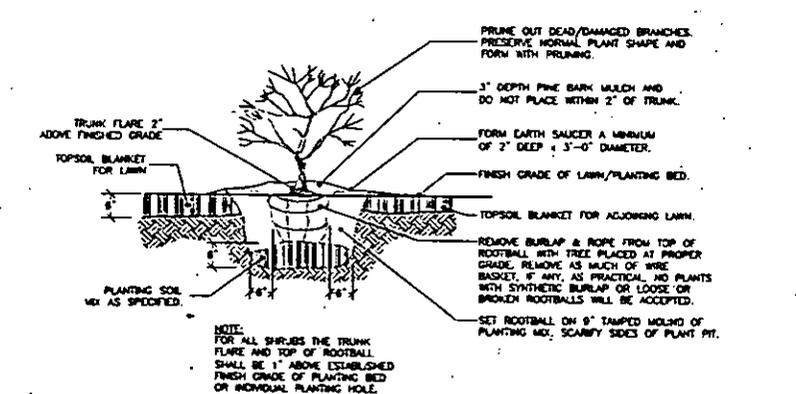
THE PERMITTEE SHALL MAKE EVERY REASONABLE EFFORT TO 1) CARRY OUT THE CONSTRUCTION OR OPERATION OF THE WORK AUTHORIZED BY USACE AND NHDES HEREIN IN A MANNER THAT MINIMIZES ADVERSE IMPACTS ON FISH, WILDLIFE AND NATURAL ENVIRONMENTAL VALUES, AND 2) PROHIBIT THE ESTABLISHMENT OR SPREAD OF PLANT SPECIES IDENTIFIED 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.



A TURBIDITY CURTAIN DETAIL
NTS



B SHRUB PLANTING DETAIL
NTS
(SHRUB PLANTING DETAIL APPLIES TO DECIDUOUS AND DECIDUOUS SHRUBS) (IF NEEDED)

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

- 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 WITHIN 100 FEET OF UNDERGROUND UTILITIES. THE EXCAVATOR IS RESPONSIBLE TO MAINTAIN MARKS. DIG SAFE TICKETS EXPIRE IN THIRTY DAYS.
 - 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).

**JOSELOW & LAMB RESIDENCE
RETVEMENT REPAIR
12 CRANFIELD STREET
NEW CASTLE, N.H.**

NO.	DESCRIPTION	DATE
1	ADDED REVETMENT	7/16/20
0	ISSUED FOR COMMENT	6/17/20



SCALE: 1" = 5' JUNE 2020

**RETVEMENT
DETAILS** **D1**



AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors

230 Grille Road - Unit 3
Parsonsfield, N.H. 03801-7114
Tel: (603) 436-9282
Fax: (603) 436-8313

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 WITHIN 100 FEET OF UNDERGROUND UTILITIES. THE EXCAVATOR IS RESPONSIBLE TO MAINTAIN MARKS. DIG SAFE TICKETS EXPIRE IN THIRTY DAYS.
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- 4) VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW). BASIS OF VERTICAL DATUM IS REDUNDANT RTM GNSS OBSERVATIONS (±0.2'). REDUCTION FROM NAVD88 TO MLLW BASED ON NOAA STATION 8419870 SEAVEY ISLAND, PORTSMOUTH HARBOR. MLLW BEING 4.82 FEET LOWER THAN 0.00 NAVD88.
- 5) ACCORDING TO THE GLOBAL AND REGIONAL SEA LEVEL RISE SCENARIOS FOR THE UNITED STATES, NOAA TECHNICAL REPORT NOS CO-OPS 083, JANUARY 2017, THE GLOBAL MEAN SEA LEVEL RISE, INTERMEDIATE SCENARIO, IS PREDICTING .57 METERS (1.87) THROUGH THE YEAR 2070.
- 6) THE PURPOSE OF THIS PLAN IS TO SHOW THE REVETMENT REPAIR ON ASSESSOR'S MAP 17 LOT 33 IN THE TOWN OF NEW CASTLE.

JOSELOW & LAMB RESIDENCE
REVETMENT REPAIR
12 CRANFIELD STREET
NEW CASTLE, N.H.

NO.	DESCRIPTION	DATE
2	ADDED PLANTING QUANTITIES	1/8/21
1	ADDED REVETMENT	7/16/20
0	ISSUED FOR COMMENT	6/16/20

REVISIONS

SCALE: 1" = 5' JUNE 2020

REVETMENT PERMIT PLAN **C4**

PROPOSED WETLAND IMPACT AREAS
(IN SQ. FT)

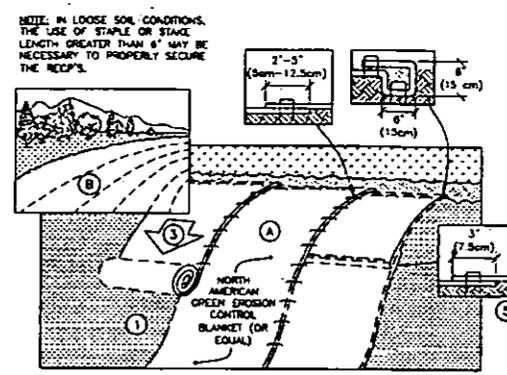
	PERMANENT IMPACT (SF)	TEMPORARY IMPACT (SF)	TOTAL IMPACT (SF)
TIDAL WATERS WETLAND (E2USJ34)	180	175	355
TIDAL BUFFER ZONE (TBZ)	580	500	1,080
TOTAL			1,435

WETLAND NOTES:

- 1) HIGHEST OBSERVABLE TIDE LINE DELINEATED BY STEVEN D. RIVER, CWS ON 11/8/2019 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, NORTHEASTRAL 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, NEWPOC 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) HIGHEST OBSERVABLE TIDE LINE WAS FIELD LOCATED BY AMBIT ENGINEERING, INC.

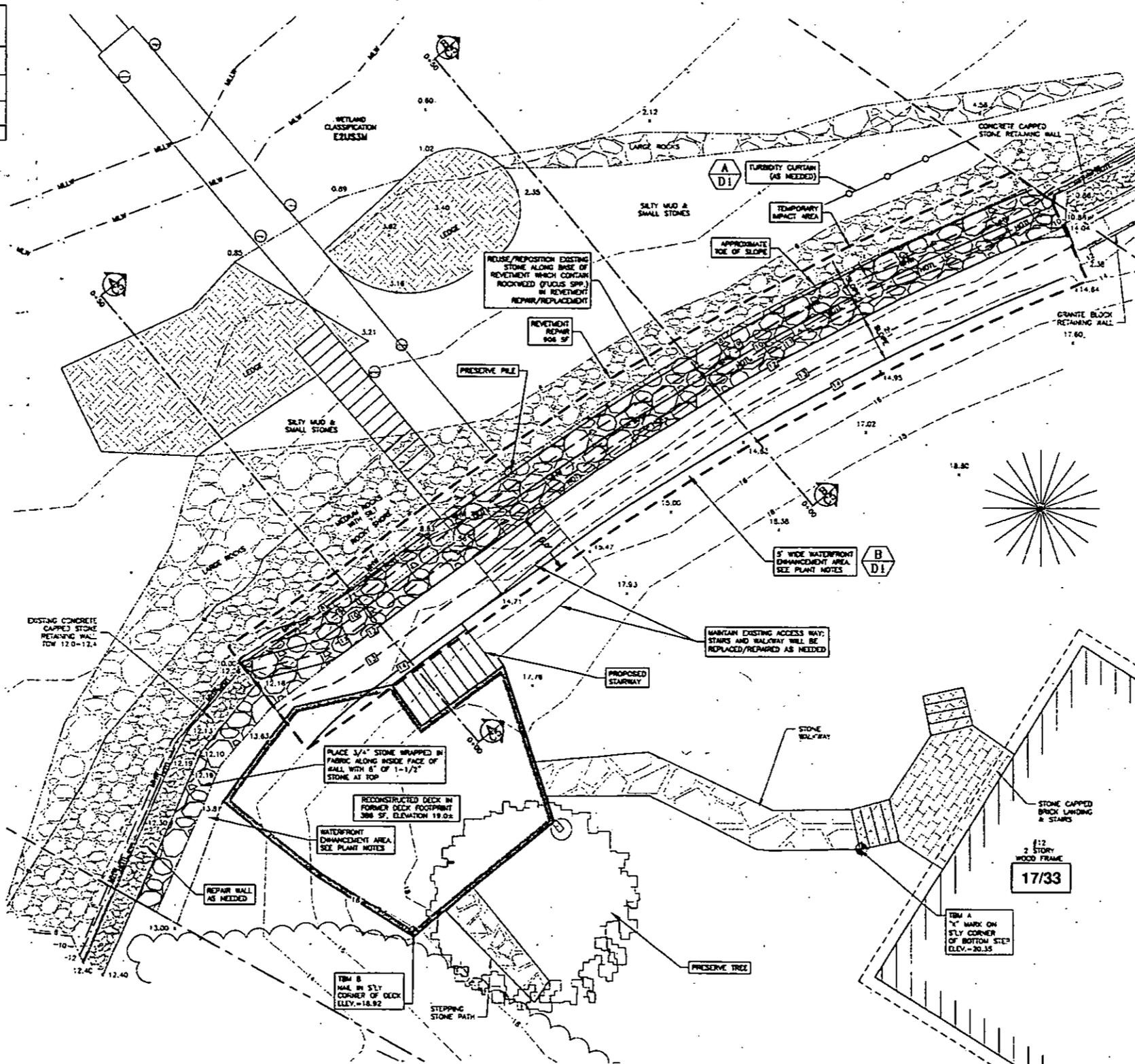
PLANTING NOTES

NATIVE SHRUB PLANTING AREA:
SHRUB PLANTINGS:
VIRGINIA ROSE (ROSA VIRGINIANA) (3 GAL) (QTY: 9)
SEASIDE GOLDENROD (SOLIDAGO SEMPERVIRENS) (1 GAL) (QTY: 18)
MONTAUK DAISSY (NIPPONANTHEMUM NIPPONICUM) (RE-DISTRIBUTE EXISTING PLANTS)
PLANT EVERY 4 FT ON CENTER IN THE NATIVE SHRUB AREA. SHRUB PLANTINGS ARE TO BE EVENLY DISTRIBUTED BY SPECIES THROUGHOUT.



- NOTES:**
1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTES: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" DEEP, 1' WIDE TRENCH WITH APPROXIMATELY 12" OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECP'S.
 3. ROLL THE RECP'S (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM™, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 4. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 7"-5" OVERLAP DEPENDING ON RECP'S TYPE.
 5. CONSECUTIVE RECP'S SPACED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE RECP'S WIDTH.

1 EROSION CONTROL BLANKET
C2 NORTH AMERICAN GREEN SLOPE TREATMENT NTS



PROPOSED REVETMENT
SCALE: 1" = 5'

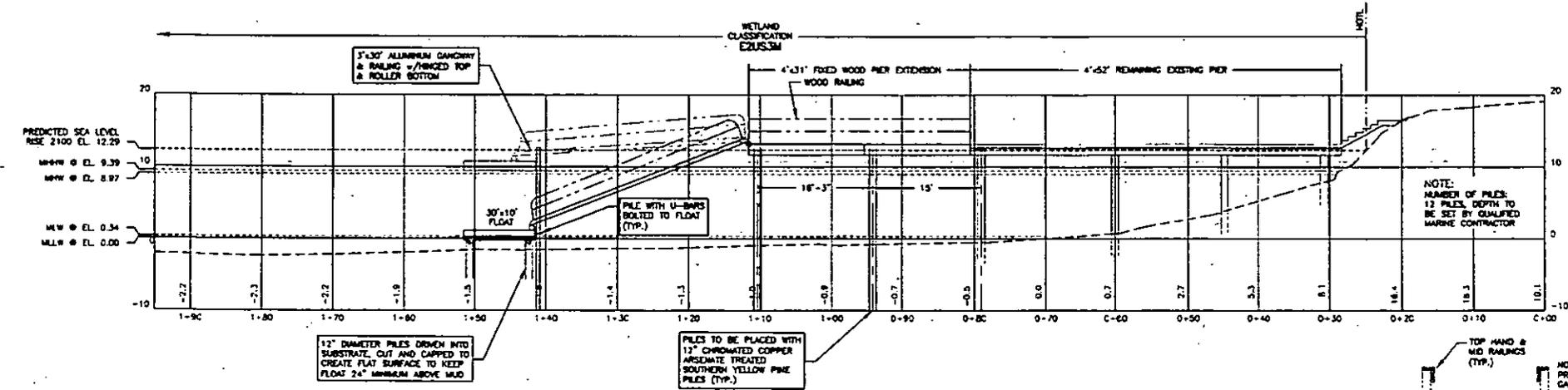
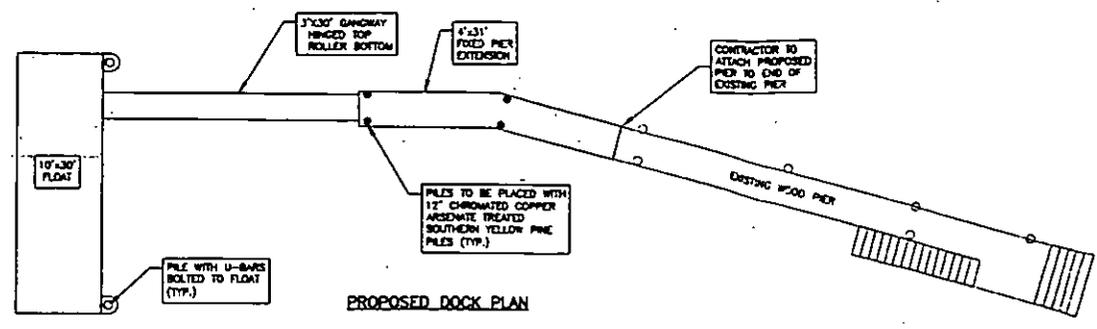




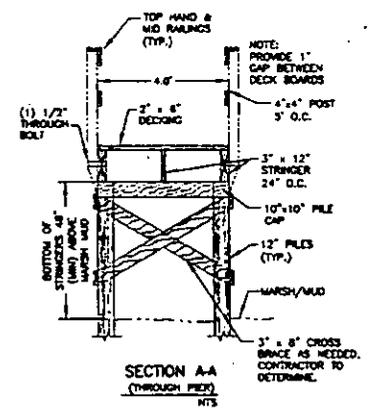
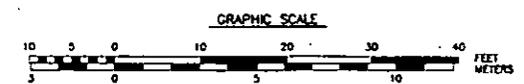
AMBIT ENGINEERING, INC.
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200 Griffin Road - Unit 3
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NOTES:

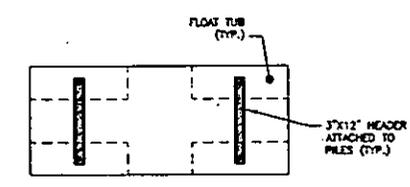
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- 4) NUMBER OF PILES TO BE DRIVEN FOR DOCKING STRUCTURE NOT TO EXCEED 10 PILES AS DEPICTED ON PROPOSED DOCK ELEVATION. ALSO NOTE TIME OF YEAR AND NOISE RESTRICTIONS FOR DRIVING OF PILES.
- 5) VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW). BASIS OF VERTICAL DATUM IS REDUNDANT RTN GNSS OBSERVATIONS (±0.2'). REDUCTION FROM NAVD83 TO MLLW BASED ON NOAA STATION 8419870 SEAVEY ISLAND, PORTSMOUTH HARBOR. MLLW BEING 4.62 FEET LOWER THAN 0.00 NAVD83.



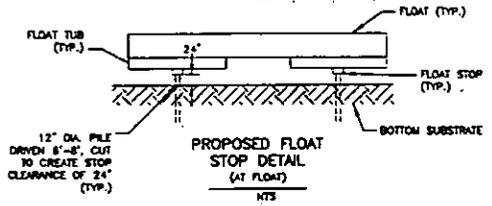
PROPOSED DOCK ELEVATION
PROPOSED PIER, GANGWAY & FLOAT w/ PILES



PROPOSED PIER DETAIL



PROPOSED FLOAT STOPS



PROPOSED FLOAT STOP DETAIL (AT FLOAT)

SEQUENCE OF CONSTRUCTION

- 1) MOBILIZATION OF A CRANE BARGE, PUSH BOAT, WORK STIFF, 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 CORPS 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. IF SHALL BE PLACED ON SWAMP MATS THAT ARE ADEQUATE TO SUPPORT THE EQUIPMENT IN SUCH A MANNER AS TO MINIMIZE DISTURBANCE OF WETLAND SOILS 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. 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

- 1) PILES INSTALLED IN-THE-DRY DURING LOW WATER OR IN-WATER BETWEEN NOV. 8TH - APR. 8TH, OR
 - 2) MUST BE CRILLED AND PINNED TO LEDGE, OR
 - 3) VIBRATORY HAMMERS USED TO INSTALL ANY SIZE AND QUANTITY OF WOOD, CONCRETE OR STEEL PILES, OR
 - 4) IMPACT HAMMERS LIMITED TO ONE HAMMER AND <50 PILES INSTALLED/DAY WITH THE FOLLOWING: WOOD PILES OF ANY SIZE, CONCRETE PILES 8-12-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 IN-WATER ABOVE:
- 1) IN-WATER NOISE LEVELS SHALL NOT >187dB SEL RE WPA OR 204dB PEAK RE WPA AT A DISTANCE >10M FROM THE PILE BEING INSTALLED, AND
 - 2) IN-WATER NOISE LEVELS >155dB 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 155dB PEAK RE WPA) MUST BE PROVIDED BETWEEN WORK DAYS.

WORK SITE RESTORATION

- 1) UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED WETLAND AREAS SHALL BE PROPERLY STABILIZED. ANY SEED MIX SHALL CONTAIN ONLY PLANT SPECIES NATIVE TO NEW ENGLAND.
- 2) THE INTRODUCTION OR SPREAD OF INVASIVE PLANT SPECIES IN DISTURBED AREAS IS PROHIBITED.
- 3) 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.
- 4) 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 MEASURES, PRACTICES AND DEVICES, SUCH AS PHASED CONSTRUCTION, VEGETATED FILTER STRIPS, GEOTEXTILE BAY 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 ENTRY 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 MACDONALD-STEVENS FISHERY CONSERVATION AND MANAGEMENT ACT (I.E., EFM FOR SPAWNING ADULTS) CAN BE OBTAINED FROM THE NMFS WEBSITE AT: [WWW.NMFS.GOV/NECD](http://www.nmfs.gov/).

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 (MOTL) AND NOT IN TIDAL WETLANDS. THESE SEASONAL STRUCTURES MAY BE STORED ON THE (FIXED, PILE-SUPPORTED) PORTION OF THE STRUCTURE THAT IS SEAWARD OF MOTL. 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 NHDES IN A MANNER THAT MINIMIZES ADVERSE IMPACTS ON FISH, WILDLIFE AND NATURAL ENVIRONMENTAL VALUES, AND 2) PREVENT 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/](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.

JOSELOW & LAMB RESIDENCE
TIDAL DOCKING STRUCTURE
12 CRANFIELD STREET
NEW CASTLE, N.H.

NO.	DESCRIPTION	DATE
4	SHORTEN DOCK PER NHF&B	11/30/20
3	SHORTEN DOCK LENGTH	11/2/20
2	RECONFIGURE DOCK	9/22/20
1	REVISED LOCATION	7/16/20
0	ISSUED FOR COMMENT	2/24/20

REVISIONS

11-30-20

SCALE: 1" = 10' FEBRUARY 2020

DOCK DETAILS **C3**



AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
290 Griffin Road - Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-8282
Fax (603) 436-2313

NOTES:

- 1) PARCEL IS SHOWN ON THE TOWN OF NEW CASTLE ASSESSOR'S MAP 17 AS LOT 33.
- 2) OWNERS OF RECORD:
STEVEN A. JOSELOW 1990 TRUST
STEVEN A. JOSELOW, TRUSTEE &
MARGARET A. LAMB 1990 TRUST
MARGARET A. LAMB, TRUSTEE
58 STATE STREET
PORTSMOUTH, NH 03801
6018/2991
- 3) PORTIONS OF THE PARCEL ARE IN A SPECIAL FLOOD HAZARD AREA, ZONE VE (EL.11) AND AE (EL.9), AS SHOWN ON FIRM PANEL J3015C0278E, EFFECTIVE DATE MAY 17, 2005.
- 4) EXISTING LOT AREA:
9,785± S.F. (PER PLAN REFERENCE 1)
0.22± ACRES (PER PLAN REFERENCE 1)
- 5) VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW). BASIS OF VERTICAL DATUM IS REDUNDANT RTN GNSS OBSERVATIONS (±0.2'). REDUCTION FROM NAVD83 TO MLLW BASED ON NOAA STATION 8419870 SEAVEY ISLAND, PORTSMOUTH HARBOR. MLLW BEING 4.62 FEET LOWER THAN 0.00 NAVD83.
- 6) THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED DOCK EXTENSION ON ASSESSOR'S MAP 17 LOT 33 IN THE TOWN OF NEW CASTLE.
- 7) EXISTING DOCK PERMIT #2000-02188.
- 8) 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 WITHIN 100 FEET OF UNDERGROUND UTILITIES. THE EXCAVATOR IS RESPONSIBLE TO MAINTAIN MARKS. DIG SAFE TICKETS EXPIRE IN THIRTY DAYS.
- 9) 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.
- 10) 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).

**JOSELOW & LAMB RESIDENCE
TIDAL DOCKING STRUCTURE
12 CRANFIELD STREET
NEW CASTLE, N.H.**

NO.	DESCRIPTION	DATE
4	SHORTEN DOCK PER NH&G	11/30/20
3	SHORTEN DOCK LENGTH	11/2/20
2	ADD EEL GRASS, RECONFIGURE COCK	9/22/20
1	RECONSTRUCTED DECK & STAIRS	7/18/20
0	ISSUED FOR COMMENT	2/24/20

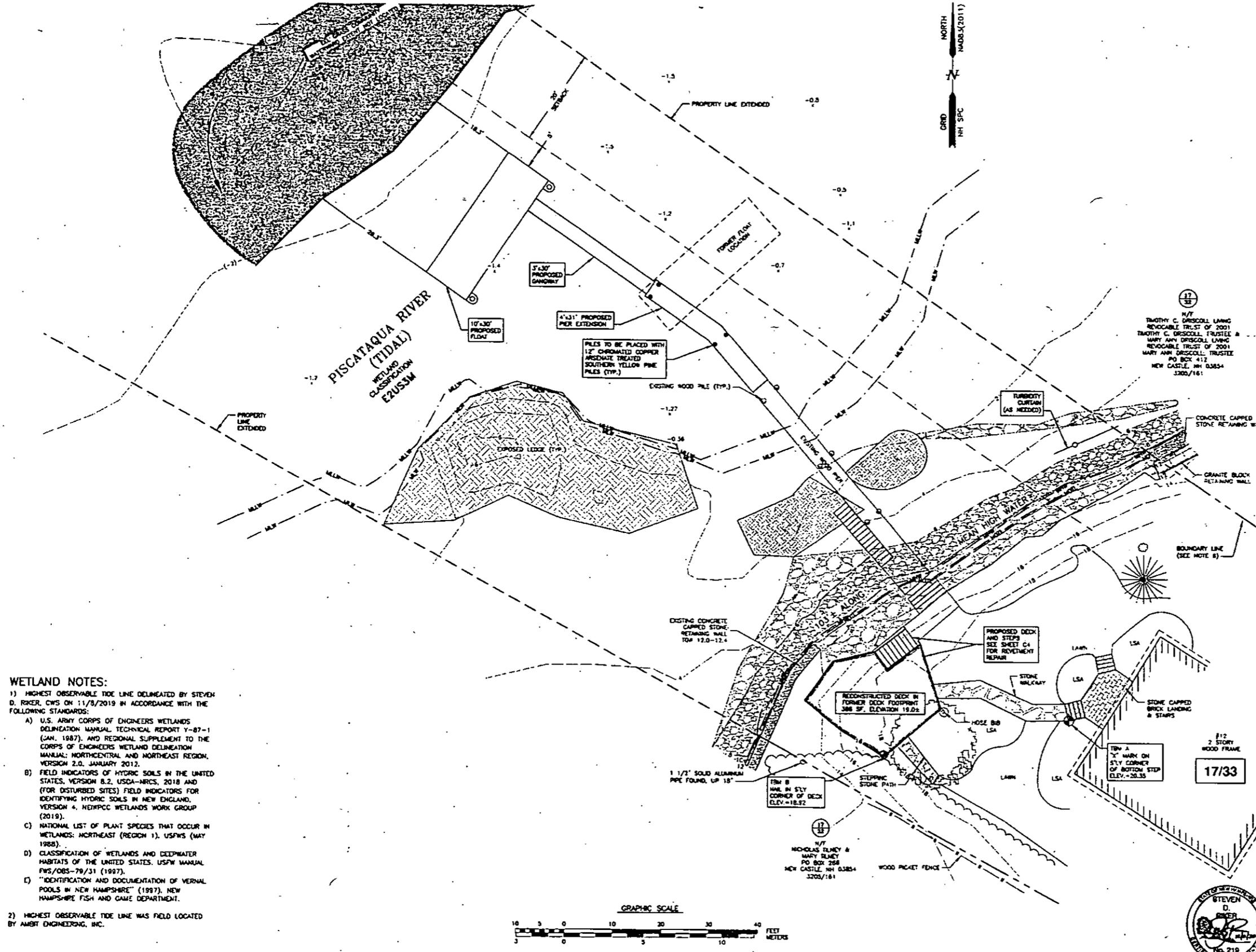
REVISIONS

11.3.20

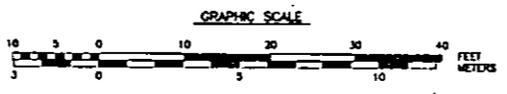
SCALE: 1"=10' FEBRUARY 2020

**NH DES DOCK
PERMIT PLAN**

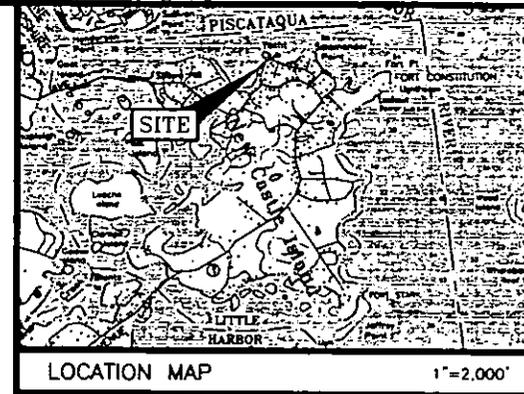
C2



- WETLAND NOTES:**
- 1) HIGHEST OBSERVABLE TIDE LINE DELINEATED BY STEVEN D. RIKER, CWS ON 11/8/2019 IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 - A) U.S. ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (CAN, 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) HIGHEST OBSERVABLE TIDE LINE WAS FIELD LOCATED BY AMBIT ENGINEERING, INC.

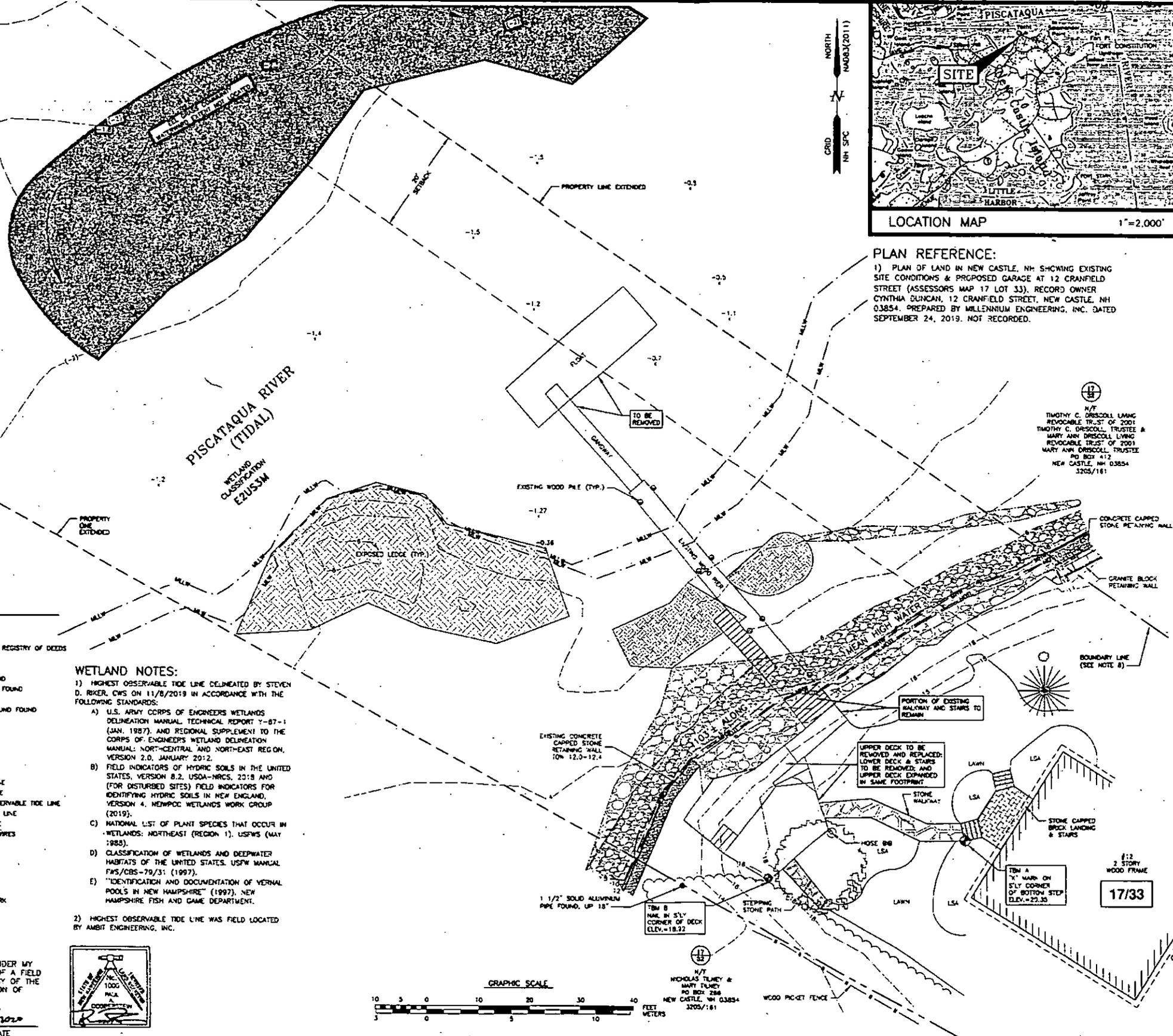


- NOTES:**
- 1) PARCEL IS SHOWN ON THE TOWN OF NEW CASTLE ASSESSOR'S MAP 17 AS LOT 33.
 - 2) OWNERS OF RECORD:
STEVEN A. JOSELOW 1990 TRUST
STEVEN A. JOSELOW, TRUSTEE &
MARGARET A. LAMB 1990 TRUST
MARGARET A. LAMB, TRUSTEE
58 STATE STREET
PORTSMOUTH, NH 03801
6018/2991
 - 3) PORTIONS OF THE PARCEL ARE IN A SPECIAL FLOOD HAZARD AREA, ZONE VE (EL.11) AND AE (EL.9), AS SHOWN ON FIRM PANEL 3301500278E, EFFECTIVE DATE MAY 17, 2005.
 - 4) EXISTING LOT AREA:
9,785± S.F. (PER PLAN REFERENCE 1)
0.22± ACRES (PER PLAN REFERENCE 1)
 - 5) PARCEL IS LOCATED IN THE RESIDENTIAL (R-1) ZONING DISTRICT AND IS SUBJECT TO THE HISTORIC OVERLAY DISTRICT AND SENSITIVE AREA OVERLAY DISTRICT.
 - 6) THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS ON A PORTION OF ASSESSOR'S MAP 17 LOT 33 IN THE TOWN OF NEW CASTLE.
 - 7) VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW). BASIS OF VERTICAL DATUM IS REDUNDANT RTH GNSS OBSERVATIONS (±0.2'). REDUCTION FROM NAVD83 TO MLLW BASED ON NOAA STATION 8419970 SEAVEY ISLAND, PORTSMOUTH HARBOR. MLLW BEING 4.62 FEET LOWER THAN 0.00 NAVD83.
 - 8) BOUNDARY LINES SHOWN HEREON ARE BASED SOLELY ON PLAN REFERENCE 1. NO RESEARCH OF EASEMENTS, RESTRICTIONS, ETC. WERE REVIEWED IN THE PREPARATION OF THIS PLAN.
 - 9) EXISTING DOCK PERMIT #2000-02188.



PLAN REFERENCE:

1) PLAN OF LAND IN NEW CASTLE, NH SHOWING EXISTING SITE CONDITIONS & PROPOSED GARAGE AT 12 CRANFIELD STREET (ASSESSOR'S MAP 17 LOT 33). RECORD OWNER CYNTHIA DUNCAN, 12 CRANFIELD STREET, NEW CASTLE, NH 03854. PREPARED BY MILLENNIUM ENGINEERING, INC. DATED SEPTEMBER 24, 2019. NOT RECORDED.



LEGEND:

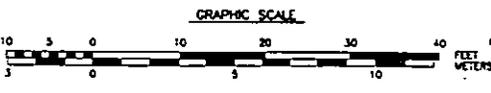
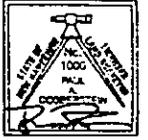
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|-------------|--|
| N/F RP RCRD | NOW OR FORMERLY RECORD OF PROBATE ROCINGHAM COUNTY REGISTRY OF DEEDS |
| 11/21 | MAP 11 / LOT 21 |
| ○ | RAILROAD SPIKE FOUND |
| ○ | IRON ROD/IRON PIPE FOUND |
| ○ | IRON PIPE FOUND |
| ○ | STONE/CONCRETE BOUND FOUND |
| ○ | RAILROAD SPIKE SET |
| ○ | IRON ROD SET |
| ○ | DRILL HOLE SET |
| ○ | GRANITE BOUND SET |
| ○ | BOUNDARY |
| --- | BUILDING SETBACK |
| --- | MEAN HIGH WATER LINE |
| --- | MEAN LOW WATER LINE |
| --- | MHL |
| --- | MH-DHS HIGHEST OBSERVABLE TIDE LINE |
| --- | FRESHWATER WETLAND LINE |
| --- | WETLAND BUFFER LINE |
| --- | OVERHEAD ELECTRIC/WIRES |
| --- | CONTOUR |
| 100 | SPOT ELEVATION |
| 97.2 | WOODS / TREE LINE |
| 15 | ELECTRICAL OUTLET |
| ELEV. | ELEVATION |
| TBM | TEMPORARY BENCHMARK |
| TYP. | TYPICAL |
| LSA | LANDSCAPED AREA |
| ○ | PHOTO LOCATION |

WETLAND NOTES:

- 1) HIGHEST OBSERVABLE TIDE LINE DELINEATED BY STEVEN D. RIKER, CWS ON 11/8/2019 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: NORTH-CENTRAL AND NORTH-EAST 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).
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 - D) CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES. USFWS MANUAL FWS/CBS-79/31 (1997).
 - E) "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE" (1997), NEW HAMPSHIRE FISH AND GAME DEPARTMENT.
- 2) HIGHEST OBSERVABLE TIDE LINE WAS FIELD LOCATED 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."

1/19/2020
PAUL A. DOBBERSTEIN, LLS
DATE



NICHOLAS TILNEY & MARY TILNEY
PO BOX 286
NEW CASTLE, NH 03854
3205/181

**JOSELOW & LAMB RESIDENCE
DOCK & REVETMENT REPAIR
12 CRANFIELD STREET
NEW CASTLE, N.H.**

NO.	DESCRIPTION	DATE
2	ADD EEL GRASS COMMUNITY	9/18/20
1	EXISTING REVETMENT UPDATED	7/16/20
0	ISSUED FOR COMMENT	1/27/20



SCALE 1"=10' JANUARY 2020

EXISTING CONDITIONS & DEMOLITION PLAN **C1**