



The State of New Hampshire MAR24'20 AM11:46 DAS
Department of Environmental Services



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Robert R. Scott, Commissioner

March 19, 2020

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

REQUESTED ACTION

Approve Linda and Timothy Gorman's request to perform the following work on Fresh Creek in Dover. File # 2019-03651. This project will not have significant impact on or adversely affect the values of Fresh Creek.

Impact 72 square feet within the previously developed upland tidal buffer zone for construction of a 4 foot by 18-foot landing and access way. In addition, impact 545 square feet of tidal wetland to construct a tidal docking structure consisting of a 4-foot by 60-foot fixed pier, a 3-foot by 35-foot ramp and a 10-foot by 20-foot float. The overall structure length seaward of the highest observable tide line is 105 feet, providing two slips on 570 feet of frontage along Fresh 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 November 2019, and revised through January 16, 2020, last received by the NH Department of Environmental Services (NHDES) on January 21, 2020.
2. This permit shall not be effective until recorded at the Strafford 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. Construction of this tidal docking structure consisting of a 4-foot by 18-foot landing and access way within the previously developed upland tidal buffer zone, a 4-foot by 60-foot fixed pier, a 3-foot by 35-foot ramp and a 10-foot by 20-foot float, with an overall structure length seaward of the highest observable tide line of 105 feet, providing two boat slips on 570 feet of frontage along Fresh Creek in Dover shall be the only dock structure on this water frontage.

8. 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.
9. Decking shall have at least 1-inch spacing between the decking planks to provide sufficient sunlight penetration and rainfall to underlying vegetation.
10. The structure shall be constructed to utilize float stops to maintain a minimum vertical distance of 18 inches between the bottom of the float and the surface of the mudflat at low tide.
11. The seasonal structures, including but not limited to the gangway and float, shall be removed during the non-boating season and stored on the existing pier or in an upland location.
12. 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.
13. 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.
14. Work shall be conducted in a manner so as to minimize turbidity and sedimentation to surface waters and wetlands.
15. Work shall be conducted in a manner that avoids excessive discharges of sediments to fish spawning areas.
16. All construction-related debris shall be properly disposed of outside of the areas subject to RSA 482-A.
17. 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

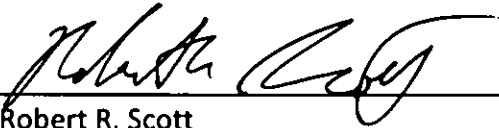
The NHDES approved this project on February 13, 2020. The NHDES supported its decision with the following findings:

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. The applicant has provided evidence which demonstrates that this proposal is the alternative with the least adverse impact to areas and environments under the NHDES' jurisdiction per New Hampshire Administrative Rule Env-Wt 302.03.
3. The dock is the minimum length necessary to provide reasonable access at this location and float stops will prevent the dock from sitting on the mud at low tide.
4. The decking will have a minimum of 4 feet of deck height, and will have 1-inch spacing between the decking planks. 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.
5. 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.
6. The NH Natural Heritage Bureau (NHB) has record of an exemplary natural community within the vicinity of the project (NHB19-3596).

7. In correspondence dated January 13, 2020, the NHB determined that, with conditions incorporated into this permit, there would be no adverse impact the natural community as a result of this project.
8. The approved location, size and configuration of this dock is consistent with other tidal dock approvals in this area.
9. The NHDES staff field inspection on February 13, 2020 found that the site is accurately represented in the application.
10. 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.
11. In correspondence dated December 20, 2019, the Pease Development Authority, Division of Ports and Harbors, determined that the project would have no negative effect on navigation in the channel.
12. In correspondence dated December 17, 2019, the Dover Conservation Commission recommended approval of the project, as proposed.
13. In correspondence dated August 18, 2019, a letter of authorization was signed by the permittee, allowing his/her agent to act on their behalf through the permitting process.
14. In correspondence dated November 22, 2019, the New Hampshire Division of Historical Resources found that the project, as proposed, will have no effect on any potential nearby historical resources.
15. The US EPA has reviewed the proposed project and determined the project is eligible as proposed under the NH Programmatic General Permit (PGP) per EPA review sheet dated November 15, 2020.

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.



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

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

RECEIVED NOV 21 2019 NHDES LAND RESOURCES MANAGEMENT	COMPLETE NOV 22 2019		File # <u>2019-03651</u> Check No. <u>3027</u> Amount <u>\$2,258.00</u> Initials <u>DB</u>
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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: 74 Saddle Drive TOWN/CITY: Dover

TAX MAP: N BLOCK: _____ LOT: 8-1-6 UNIT: _____

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

LOCATION COORDINATES (if known): X: 1,205,124.5668 Y: 252,766.1934
 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 545 sq. ft. of permanent impact to tidal wetland and 72 sq. ft. of permanent impact to the previously undeveloped 100' Tidal Buffer Zone for construction of a docking structure consisting of a 4' x 10' landing, 4' x 8' accessway, a 4' x 60' fixed wood pier, a 3' x 35' aluminum gangway, and a 10' x 20' float (overall structure length 105') providing one slip on 570 +/- feet of frontage along Fresh Creek.

5. SHORELINE FRONTAGE:

N/A This does not have shoreline frontage. SHORELINE FRONTAGE: +/-570

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: NH8 19 - 3596

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.

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

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

www.des.nh.gov

8. APPLICANT INFORMATION (Desired permit holder)

LAST NAME, FIRST NAME, M.I.: Timothy & Linda Gorman

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.

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.: Steven D. Riker

COMPANY NAME: Ambit Engineering, Inc.

MAILING ADDRESS: 200 Griffin Road

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
Property Owner Signature

Print name legibly

11 / 19 / 19

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.

	Susan Mistretta Print name legibly	 Town/City	11/19/19 Date
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DIRECTIONS FOR TOWN/CITY CLERK:

Per RSA 482-A:3, I

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

DIRECTIONS FOR APPLICANT:

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

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)	72 <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	545 <input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Vernal Pool	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
TOTAL	617 /	/

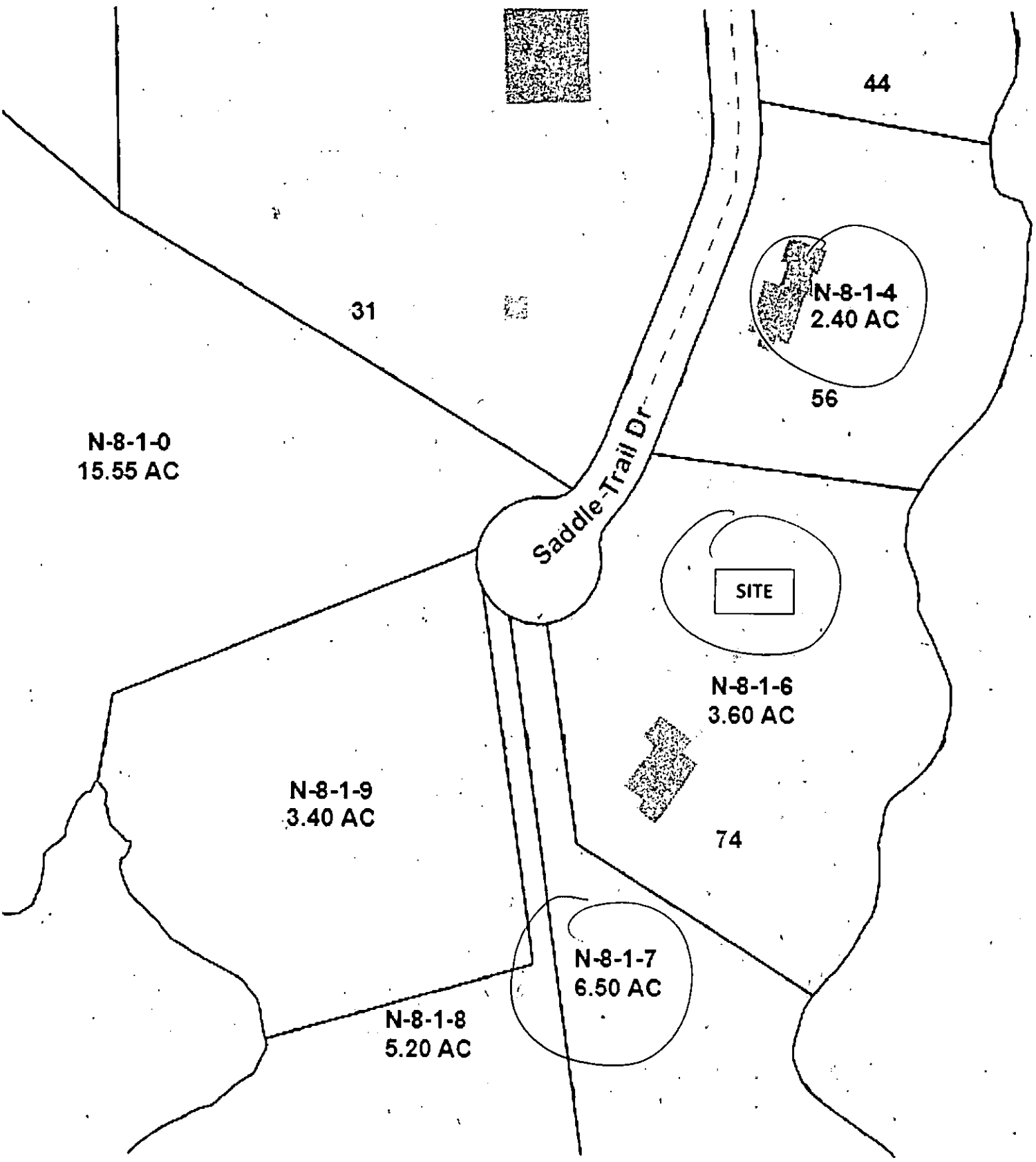
15. APPLICATION FEE: See the Instructions & Required Attachments document for further instruction

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:	<u>305</u> sq. ft.	X \$2.00 =	\$ <u>610.00</u>
Permanent docking structure:	<u>312</u> sq. ft.	X \$4.00 =	\$ <u>1,248.00</u>
Projects proposing shoreline structures (including docks) add \$400 =			\$ <u>400.00</u>
		Total =	\$ <u>2,258.00</u>

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



N-8-1-0
15.55 AC

N-8-1-9
3.40 AC

N-8-1-8
5.20 AC

Saddle-Trail Dr

N-8-1-4
2.40 AC

N-8-1-6
3.60 AC

N-8-1-7
6.50 AC

SITE

31

44

56

74

Map by NH GRANIT



1 X: 1205124.566807
Y: 252766.193413

Legend

- State
- County
- City/Town

Map Scale

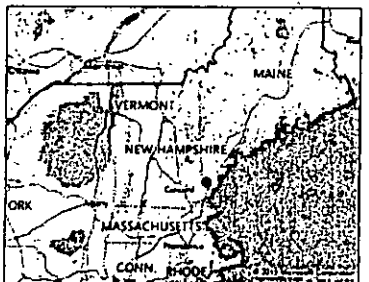
1: 12,988

© NH GRANIT, www.granit.unh.edu

Map Generated: 11/18/2019



Notes



CONFIDENTIAL – NH Dept. of Environmental Services review

Memo



NH NATURAL HERITAGE BUREAU
NHB DATACHECK RESULTS LETTER

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

From: Amy Lamb, NH Natural Heritage Bureau

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

Re: Review by NH Natural Heritage Bureau

NHB File ID: NHB19-3596

Town: Dover

Location: Tax Maps: Tax Map N, Lot 8-1-6

Description: The project proposes construction of a tidal docking structure to provide recreational boating access to Fresh Creek.

As requested, I have searched our database for records of rare species and exemplary natural communities, with the following results.

Comments: Please clarify the location of the proposed dock (refer to area mapped below). Please provide a plan sheet showing wetland impacts and a narrative description detailing why the selected location is the least impacting alternative.

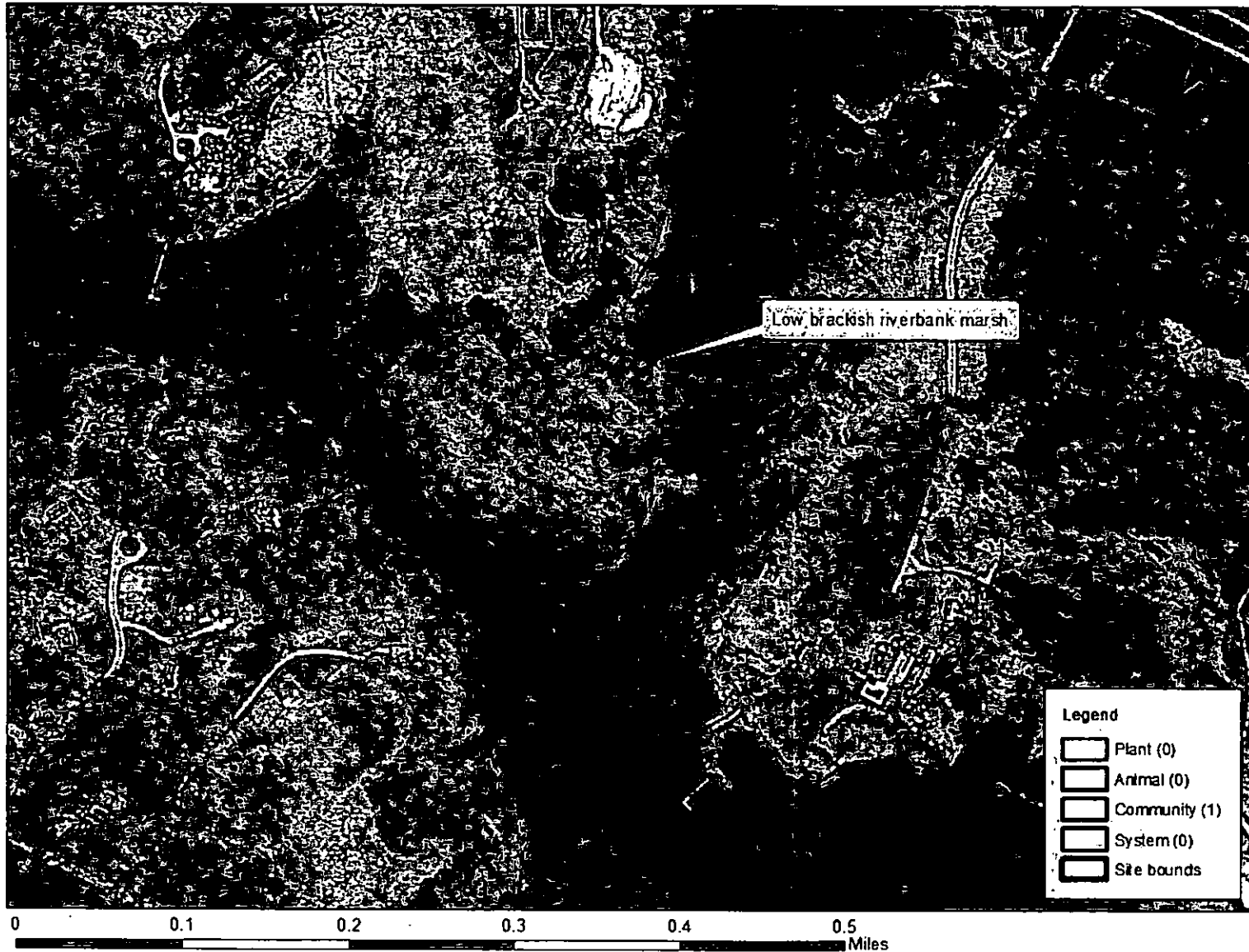
Natural Community	State ¹	Federal	Notes
Low brackish riverbank marsh	--	--	Threats to these communities are primarily alterations to the hydrology of the wetland (such as ditching or tidal restrictions that might affect the sheet flow of tidal waters across the intertidal flat) and increased input of nutrients and pollutants in storm runoff.

¹Codes: "E" = Endangered, "T" = Threatened, "SC" = Special Concern, "--" = an exemplary natural community, or a rare species tracked by NH Natural Heritage that has not yet been added to the official state list. An asterisk (*) indicates that the most recent report for that occurrence was more than 20 years ago.

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

CONFIDENTIAL – NH Dept. of Environmental Services review

NHB19-3596



ABUTTER'S LIST

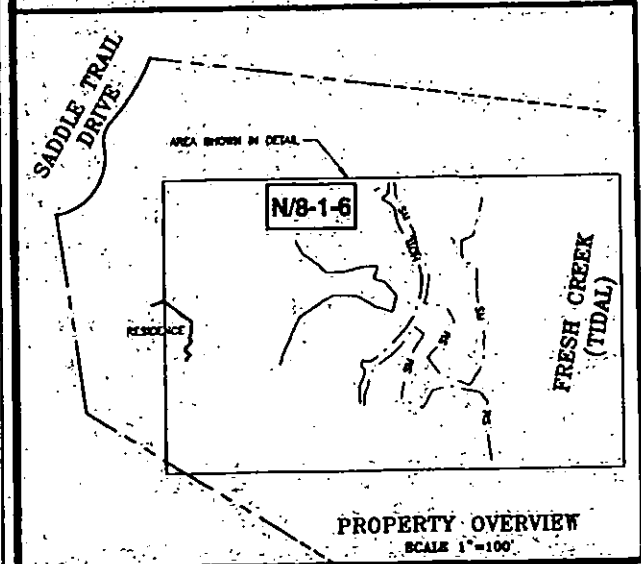
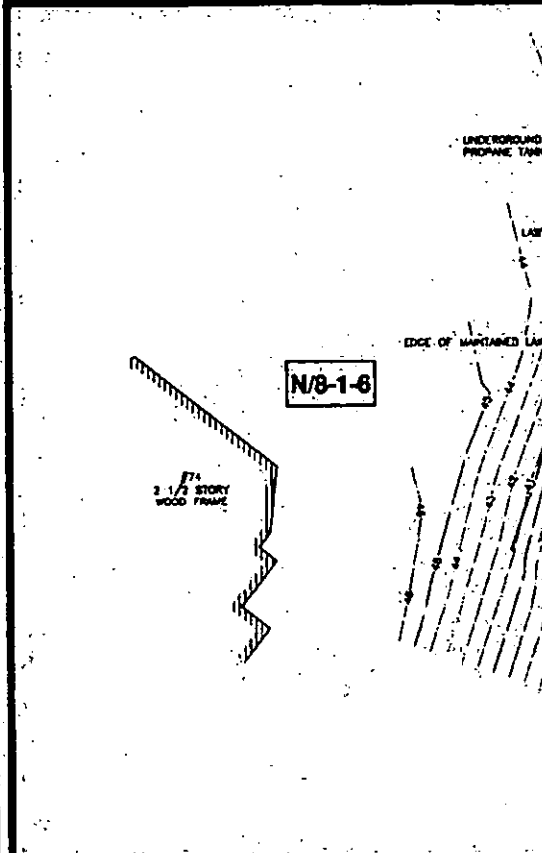
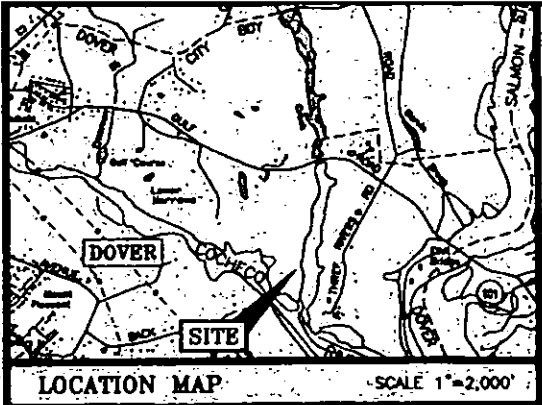
JN 3050.01

Timothy & Linda Gorman

74 Saddle Trail Drive

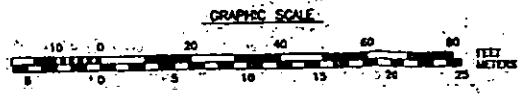
Dover, NH

MAP	LOT	NAME(S)	PO BOX	STREET ADDRESS	CITY/STATE/ZIP
N	8-1-7	Mark Houston Dalzell Rev. Living Trust Mark Houston Dalzell Trustee			
N	8-1-4	Dustin A. & Bree A. Jamieson Living Trust			
		Engineer	Ambit Engineering, Inc.	200 Griffin Road, Unit 3	Portsmouth, NH 03801
		Applicant/Owner	Civil Engineers & Land Surveyors		
N	8-1-6	Timothy & Linda Gorman			



LEGEND:

N/T	NOW OR FORMERLY
RP	RECORD OF PROBATE
SCAD	STRAFFORD COUNTY
	REGISTRY OF DEEDS
⊕	MAP 11/LOT 21
○	IRON PIPE FOUND
○	IRON ROD FOUND
○	IRON ROD SET
○	DRILL HOLE SET
○	RAILROAD SPIKE SET
○	BOUND WITH DRILL HOLE
○	STONE BOUND w/ DRILL HOLE
—	EDGE OF SALT MARSH
—	MEAN HIGH WATER LINE
—	MEAN LOWER LOW WATER LINE
—	HIGHEST OBSERVABLE TIDE LINE
—	CONTOUR
—	SPOT ELEVATION
—	WOODS / TREE LINE
—	EDGE OF WETLAND FLAGGING
—	TEMPORARY BENCHMARK



ABUTTERS

- WOODBROOK FARMS, LLC
70 BOX 2188B
PORTSMOUTH, NH 03820
2408/884
- MARK HOUSTON DALZELL REVOCABLE LIVING TRUST
185 THREE RIVERS FARM ROAD
DOVER, NH 03820
4542/23
- THE AMESBURY A. DUSTON & BREE A. DUSTON REVOCABLE LIVING TRUST
C. JAMESON A. DUSTON & BREE A. DUSTON, TRUSTEES
74 SADDLE TRAIL DRIVE
DOVER, NH 03801
4580/4
- MARK HOUSTON DALZELL REVOCABLE LIVING TRUST
MARK HOUSTON DALZELL, TRUSTEE
185 THREE RIVERS FARM ROAD
DOVER, NH 03820
4542/23
- SMITH & MCCORMA, JR. AND MARLENE A. MCCORMA REVOCABLE LIVING TRUST
MARTIN J. MCCORMA, JR. & MARLENE A. MCCORMA, TRUSTEES
17 LITTLEBORTH ROAD
DOVER, NH 03820
4508/7
- WOODBROOK FARMS, LLC
31 SADDLE TRAIL DRIVE
DOVER, NH 03820
4582/497

AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
250 Green Road - Unit 9
Portsmouth, N.H. 03801-7114
Tel: (603) 438-8283
Fax: (603) 438-8319

RIVERSIDE ENGINEERING
MARINE CONTRACTORS

- NOTES:**
- PROJECT LOCATION:
74 SADDLE TRAIL DRIVE
DOVER, N.H. 03820
PARCEL I.D.:
TAX MAP N / LOT 8-1-8
OWNERS OF RECORD:
TIMOTHY GORMAN & LINDA GORMAN
74 SADDLE TRAIL DRIVE
DOVER, NH 03820
4703 / 130
ZONING DISTRICT:
R-40 RURAL RESIDENTIAL DISTRICT
 - THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED DOCK ON TAX MAP N LOT 8-1-8 IN THE CITY OF DOVER.
 - 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.
 - 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.
 - 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).
 - THE LIMIT OF WORK IS TO BE CLEARLY UNDERSTOOD WITHIN THE JURISDICTIONAL AREAS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 - VERTICAL DATUM: MEAN LOWER LOW WATER (MLLW). BASIS OF VERTICAL DATUM IS NH DOT BENCHMARK 133-0410, REDUCTION FROM NAVD83 TO MLLW BASED ON NOAA STATION 8420411, DOVER, COCHICHEO RIVER, MLLW BEING 3.93' LOWER THAN 0 NAVD83.

**GORMAN RESIDENCE
PROPOSED DOCK
74 SADDLE TRAIL DRIVE
DOVER, N.H.**

NO.	DESCRIPTION	DATE
1	REVERSE PILE LOCATION	1/18/20
0	ISSUED FOR COMMENT	11/18/19

REVISIONS

SCALE 1"=20' NOVEMBER 2019
NHDES PERMIT PLAN
C2

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ENVIRONMENTAL SERVICES
BY NH DES WETLANDS BUREAU

SEQUENCE OF CONSTRUCTION

- 1) MOBILIZATION OF A CRANE BARGE, PUMP BOAT, WORK SKIFF, MATERIALS AND PREFABRICATED COMPONENTS SUCH AS THE GANGWAY AND FLOAT TO THE SITE VIA APPROVED ACCESS.
- 2) MOBILIZATION OF EQUIPMENT TRUCKS TO THE SITE.
- 3) THE BARGE WILL BE POSITIONED ALONGSIDE THE PROPOSED LOCATION OF THE NEW DOCK AND WATERBARD OF ANY EXISTING 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 INTERFERED AREA.
- 5) ALL WORK WILL BE PERFORMED AT LOW TIDE TO MINIMIZE SEDIMENTATION.
- 6) PILES WILL BE MECHANICALLY DRIVEN BY A CRANE ELIMINATING ANY EXCAVATION FOR INSTALLATION OF THE PILES. PILES ARE DRIVEN TO REFUSAL.
- 7) PILES ARE CUT AND BEAM CAPS ARE INSTALLED AND THE SUPER STRUCTURE OF THE PIER IS BUILT. MATERIALS ARE LIFTED FROM THE BARGE AND SET INTO POSITION BY THE CRANE.
- 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. PERMITS MAY ONLY FILL THOSE JURISDICTIONAL WETLANDS AND WATERWAYS THAT THE CORP. AND INDICES AUTHORIZES TO BE FILLED AND IMPACT THOSE AREAS THAT THE CORP. AND INDICES AUTHORIZES 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 PROMOTING A CONDUIT FOR WATER ON OR BELOW THE SURFACE.

HEAVY EQUIPMENT IN FRESH WATER WETLANDS

HEAVY EQUIPMENT OTHER THAN PILE DRIVERS (DRILL RIGS, 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 INTERFERED 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 SHARP MATS THAT ARE ADEQUATE TO SUPPORT THE EQUIPMENT IN SUCH A WAY AS TO MINIMIZE DISTURBANCE OF WETLAND SOIL AND VEGETATION. SHARP MATS ARE TO BE PLACED IN THE WETLAND FROM THE UPLAND OR FROM EQUIPMENT POSITIONED ON SHARP MATS IF WORKING WITHIN A WETLAND. DRAGGING SHARP 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. CORRIDOR ROADS AND SHARP/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. 1ST - APR. 31ST, OR MUST BE DRILLED AND PINNED TO LEDGE, OR
 - II. VIBRATORY HAMMERS USED TO INSTALL ANY SIZE AND QUANTITY OF WOOD, CONCRETE OR STEEL PILES, OR
 - III. IMPACT HAMMERS LIMITED TO ONE HAMMER AND < 30 PILES INSTALLED/DRY WITH THE FOLLOWING WOOD PILES OF ANY SIZE, CONCRETE PILES < 18-INCHES DIAMETER, STEEL PILES 12-INCHES DIAMETER IF THE HAMMER IS < 3000 LBS, AND A WOOD CUSHION IS USED BETWEEN THE HAMMER AND STEEL PILE.
- FOR II-IV ABOVE:
- I. IN-WATER NOISE LEVELS SHALL NOT > 187dB SEL RE WPA OR 206dB POKW RE WPA AT A DISTANCE > 10M FROM THE PILE BEING INSTALLED, AND
 - II. 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 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 REMOVAL OF EXISTING SOIL AND VEGETATION, AND REPLACEMENT BACK TO THE ORIGINAL LOCATION SUCH THAT THE ORIGINAL SOIL LAYING 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, COUNTERSILT FENCES, STORMWATER DETENTION AND INFILTRATION SYSTEMS, SEDIMENT DETENTION BASINS, OR OTHER DEVICES SHALL BE INSTALLED AND PROPERLY MAINTAINED TO REDUCE EROSION AND RETAIN SEDIMENT ON-SITE DURING AND AFTER CONSTRUCTION. THEY SHALL BE CAPABLE OF PREVENTING EROSION, OF COLLECTING SEDIMENT, SUSPENDED AND FLOATING MATERIALS, AND OF FILTERING FINE SEDIMENT. THE DISTURBED AREAS SHALL BE STABILIZED AND THESE DEVICES SHALL BE REMOVED UPON COMPLETION OF WORK. THE SEDIMENT COLLECTED BY THESE DEVICES SHALL BE REMOVED AND PLACED AT AN UPLAND LOCATION IN A MANNER THAT WILL PREVENT ITS LATER EROSION INTO A WATERWAY OR WETLAND. ALL EXPOSED SOIL AND OTHER FILLS SHALL BE PERMANENTLY STABILIZED AT THE EARLIEST PRACTICABLE DATE.

SPAWNING AREAS

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

STORAGE OF SEASONAL STRUCTURES

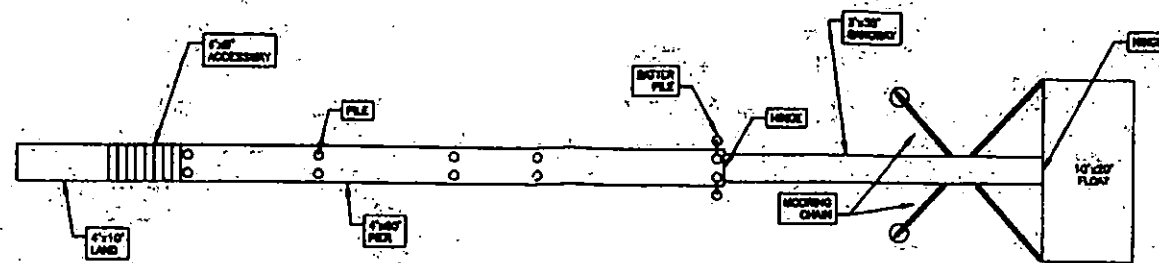
COASTAL STRUCTURES SUCH AS PIER SECTIONS, FLOATS, ETC. THAT ARE REMOVED FROM THE WATERWAY FOR A PORTION OF THE YEAR (OFTEN REFERRED TO AS SEASONAL STRUCTURES) SHALL BE STORED IN AN UPLAND LOCATION LOCATED ABOVE HIGHEST OBSERVABLE TIDE LINE (HOTL) AND NOT IN TIDAL WETLANDS. THESE SEASONAL STRUCTURES MAY BE STORED ON THE FLOAT, 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 MARSH.

ENVIRONMENTAL FUNCTIONS AND VALUES

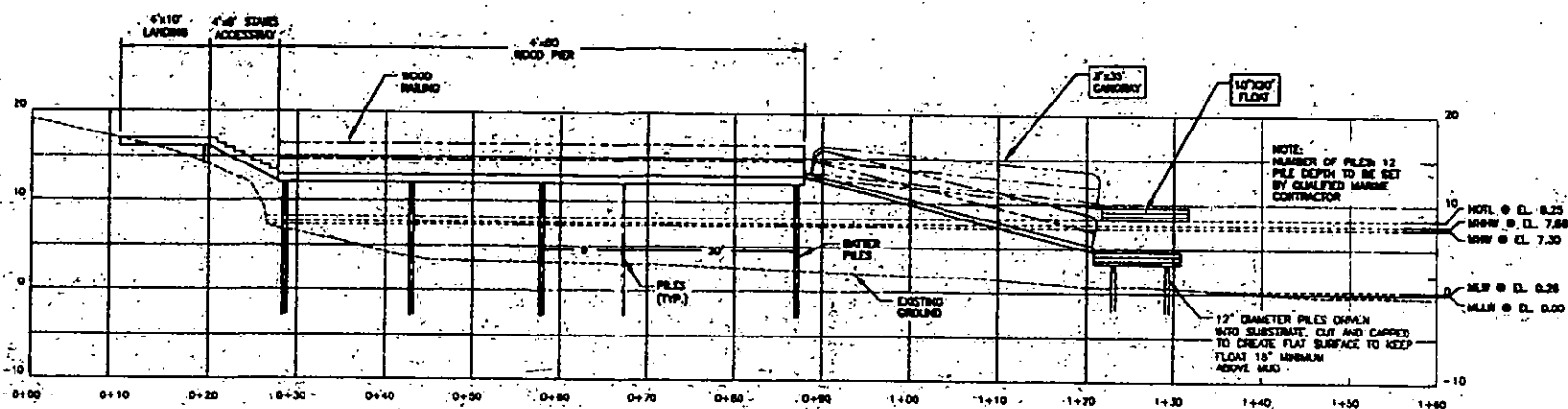
THE PERMITTEE SHALL MAKE EVERY REASONABLE EFFORT TO 1) CARRY OUT THE CONSTRUCTION OR OPERATION OF THE WORK AUTHORIZED BY USACE AND INDICES HEREIN IN A MANNER THAT MINIMIZES ADVERSE IMPACTS ON FISH WILDLIFE AND NATURAL ENVIRONMENTAL VALUES, AND 2) PREVENT THE ESTABLISHMENT OR SPREAD OF PLANT SPECIES IDENTIFIED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

INSPECTIONS

THE PERMITTEE SHALL ALLOW THE CORPS AND INDICES 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 INDICES MAY ALSO REQUIRE POST-CONSTRUCTION ENGINEERING DRAWINGS FOR COMPLETED WORK, AND POST-DREDGING SURVEY DRAWINGS FOR ANY DREDGING WORK.

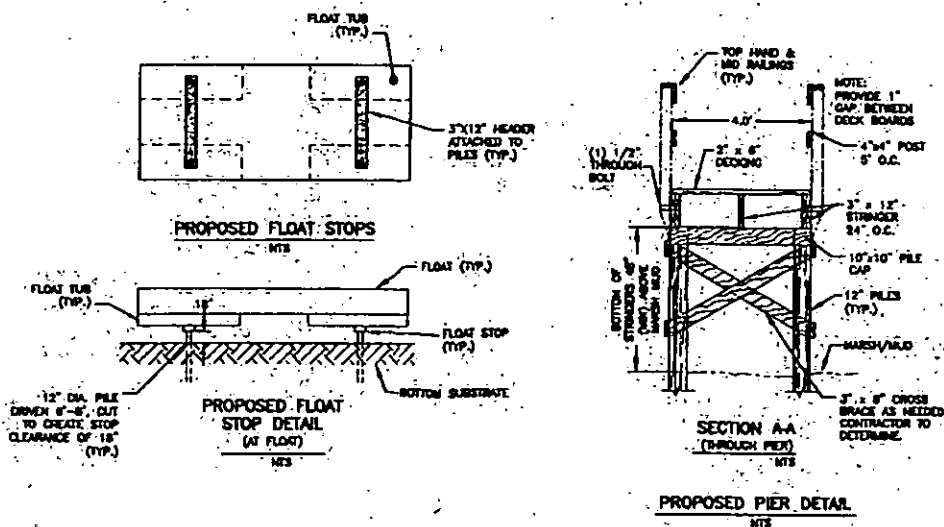


PROPOSED DOCK PLAN



PROPOSED DOCK ELEVATION

PROPOSED PIER, GANGWAY & FLOAT w/ PILES



AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
809 Crockett Road - Suite 8
Plymouth, N.H. 03051-7114
Tel: (603) 436-2327
Fax: (603) 436-2318

RIVERSIDE ENGINEERING
MARINE CONTRACTORS

- NOTES:
- 1) THE CONTRACTOR SHALL NOTIFY DIO SAFE AT 1-888-DIO-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.
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 - 4) NUMBER OF PILES TO BE DRIVEN FOR DOCKING STRUCTURE NOT TO EXCEED 12 AS DEPICTED ON PROPOSED DOCK ELEVATION. ALSO NOTE TIME OF YEAR AND NOISE RESTRICTIONS FOR DRIVING OF PILES.

GORMAN RESIDENCE
PROPOSED DOCK
74 SADDLE TRAIL DRIVE
DOVER, N.H.

NO.	DESCRIPTION	DATE
1	REVISE PILE LOCATION	1/18/20
0	ISSUED FOR COMMENT	11/18/19

Professional Engineer seals for Steven D. French and John R. Channon, State of New Hampshire.

SCALE: 1"=10' NOVEMBER, 2019
DOCK DETAILS **D1**

RECEIVED
JAN 21 2020
ENVIRONMENTAL SERVICES
NEW HAMPSHIRE WETLANDS BUREAU