



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



Jan,  
59

**Robert R. Scott, Commissioner**

April 12, 2019

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

**REQUESTED ACTION**

Approve Daniel A. Meyers & Carla J. Meyers Revocable Trust's request to perform the following work on Fresh Creek Pond in Dover. File # 2018-03762. This project will not have significant impact on or adversely affect the values of Fresh Creek Pond.

Impact 64 square feet within the previously developed upland tidal buffer zone for construction of a 4 foot x 16 foot access way. In addition, impact 386 square feet of tidal wetland to construct a tidal docking structure consisting of a 4 foot x 24 foot fixed pier, a 3 foot x 30 foot ramp and a 10 foot x 20 foot float. The overall structure length seaward of the highest observable tide line is 64 feet, providing two slips on 400 feet of frontage along Fresh Creek in Dover.

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

1. All work shall be in accordance with plans by Ambit Engineering, Inc. dated December 2018, and revised through December 13, 2018 as received by the NH Department of Environmental Services (NHDES) on December 21, 2018.
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 x 16 foot access way within the previously developed upland tidal buffer zone, a 4 foot x 24 foot fixed pier, a 3 foot x 30 foot ramp and a 10 foot x 20 foot float, with an overall structure length seaward of the highest observable tide line of 64 feet, providing two boat slips on 400 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.

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

29 Hazen Drive • PO Box 95 • Concord, NH 03302-0095

NHDES Main Line: (603) 271-3503 • Subsurface Fax: (603) 271-6683 • Wetlands Fax: (603) 271-6588

TDD Access: Relay NH 1 (800) 735-2964

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. Piers shall be located outside of the marsh and only be driven during low tide.
13. 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.
14. Appropriate siltation/erosion/turbidity controls shall be in place prior to construction, shall be maintained during construction, and shall remain in place until the area is stabilized.
15. Work shall be conducted in a manner so as to minimize turbidity and sedimentation to surface waters and wetlands.
16. Work shall be conducted in a manner that avoids excessive discharges of sediments to fish spawning areas.
17. All construction-related debris shall be properly disposed of outside of the areas subject to RSA 482-A.
18. Within three days of final grading or temporary suspension of work in an area that is in or adjacent to wetlands or surface waters, all exposed soil areas shall be stabilized by seeding and mulching during the growing season, or if not within the growing season, by mulching with tack or netting and pinning on slopes steeper than 3:1.

#### EXPLANATION


The NHDES approved this project on March 06, 2019. 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 department's jurisdiction per New Hampshire Administrative Rule Env-Wt 302.03.
3. The dock is the minimum length necessary to provide 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 to minimize impacts to the wetland resource.
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 (NHB18-3683).
7. In correspondence dated January 03, 2019, 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. NHDES staff field inspection on February 22, 2018 found that the site is accurately represented in the application.
10. In accordance with RSA 482-A:8, 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 January 03, 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 January 03, 2019, the Dover Conservation Commission recommended approval of the project, as proposed.
13. In correspondence dated August 31, 2018, 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 December 28, 2018, the New Hampshire Division of Historical Resources found that the project, as proposed, will have no effect on any potential nearby historical resources.
15. Related NHDES Wetlands Bureau files include Shoreland Permit 2016-00171 (impacting 35,400 square feet within the protected shoreland to construct a house, driveway, sidewalks, and pool area; approved February 12, 2016).

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.

Respectfully submitted,

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



# WETLANDS PERMIT APPLICATION

Land Resources Management  
Wetlands Bureau

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



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

<b>RECEIVED</b> DEC 21 2018 NHDES LAND RESOURCES MANAGEMENT	<b>COMPLETE</b> DEC 21 2018	2018-03-16 2487 810 101
--	--------------------------------	----------------------------------

**1. REVIEW TIME:**  
 Indicate your review time below. Refer to guidance Document A for instructions.

Standard Review (Minimum, Minor or Major Impact)

Expedited Review (Minimum impact only)

**2. PROJECT LOCATION:**  
 Separate applications must be filed with each municipality that jurisdictional impacts will occur in.

ADDRESS: **44 Saddle Trail Drive** TOWN/CITY: **Dover**

TAX MAP: **N** BLOCK: \_\_\_\_\_ LOT: **8-1-3** UNIT: \_\_\_\_\_

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

LOCATION COORDINATES (If known): **X:1,205,113.8578 Y: 253,441.8369**  Latitude/Longitude  UTM  State Plane

**3. 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 386 sq. ft. of permanent impact to tidal wetland and 64 sq. ft. of permanent impact to the previously developed 100' Tidal Buffer Zone for construction of a docking structure consisting of a 4' x 16' accessway, a 4' x 24' fixed wood pier, a 3' x 30' aluminum gangway, and a 10' x 20' float (overall structure length 64') providing one slip on 400+/- feet of frontage along Fresh Creek.

**4. SHORELINE FRONTAGE:**

NA This lot has no shoreline frontage. SHORELINE FRONTAGE: **400 feet**

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

**5. RELATED PERMITS, ENFORCEMENT, EMERGENCY AUTHORIZATION, SHORELAND, ALTERATION OF TERRAIN, ETC.**

DES Shoreland: **2016-00171**

**6. NATURAL HERITAGE BUREAU & DESIGNATED RIVERS:**  
 See the Instructions & Required Attachments document for instructions to complete a & b below.

a. Natural Heritage Bureau File ID: **NHB 18 - 3683**

b.  Designated River the project is in ¼ miles of: \_\_\_\_\_; and  
 date a copy of the application was sent to the Local River Management Advisory Committee: Month: \_\_\_ Day: \_\_\_ Year: \_\_\_

NA

[shoreland@des.nh.gov](mailto:shoreland@des.nh.gov) or (603) 271-2147  
 NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095  
[www.des.nh.gov](http://www.des.nh.gov)

**7. APPLICANT INFORMATION (Desired permit holder)**

LAST NAME, FIRST NAME, M.I.: **Meyers, Daniel A. & Carla J.**

TRUST / COMPANY NAME: **Daniel A. Meyers & Carla J. Meyers Rev. Trust** 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

**8. 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

**9. AUTHORIZED AGENT INFORMATION**

LAST NAME, FIRST NAME, M.I.: **Riker, Steven, D.** COMPANY NAME: **Ambit Engineering, Inc.**

MAILING ADDRESS: **200 Griffin Road, Unit 3**

TOWN/CITY: **Portsmouth** STATE: **NH** ZIP CODE: **03801**


EMAIL or FAX: **sdr@ambitengineering.com** PHONE: **603-430-9282**

ELECTRONIC COMMUNICATION: By initialing here *S.R.*, I hereby authorize NHDES to communicate all matters relative to this application electronically

**10. 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](http://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 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 New Hampshire Department of Environmental Services 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.

	Agent-See Authorization	Steven D. Riker	12 / 18 / 2018
Property Owner Signature		Print name legibly	Date

## MUNICIPAL SIGNATURES

### 11. 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

### 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.

### 12. 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.

Town/City Clerk Signature

Print name legibly

Town/City

Date

### DIRECTIONS FOR TOWN/CITY CLERK:

Per RSA 482-A:3.1

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

### DIRECTIONS FOR APPLICANT:

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

[shoreland@des.nh.gov](mailto:shoreland@des.nh.gov) or (603) 271-2147  
 NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095  
[www.des.nh.gov](http://www.des.nh.gov)

13 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 complete		
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	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Perennial Stream / River	/ <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)	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Previously-developed upland in TBZ	64 <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	386 <input type="checkbox"/> ATF	<input type="checkbox"/> ATF
<b>TOTAL</b>	<b>450 /</b>	<b>/</b>

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

Minimum Impact Fee: Flat fee of \$ 200

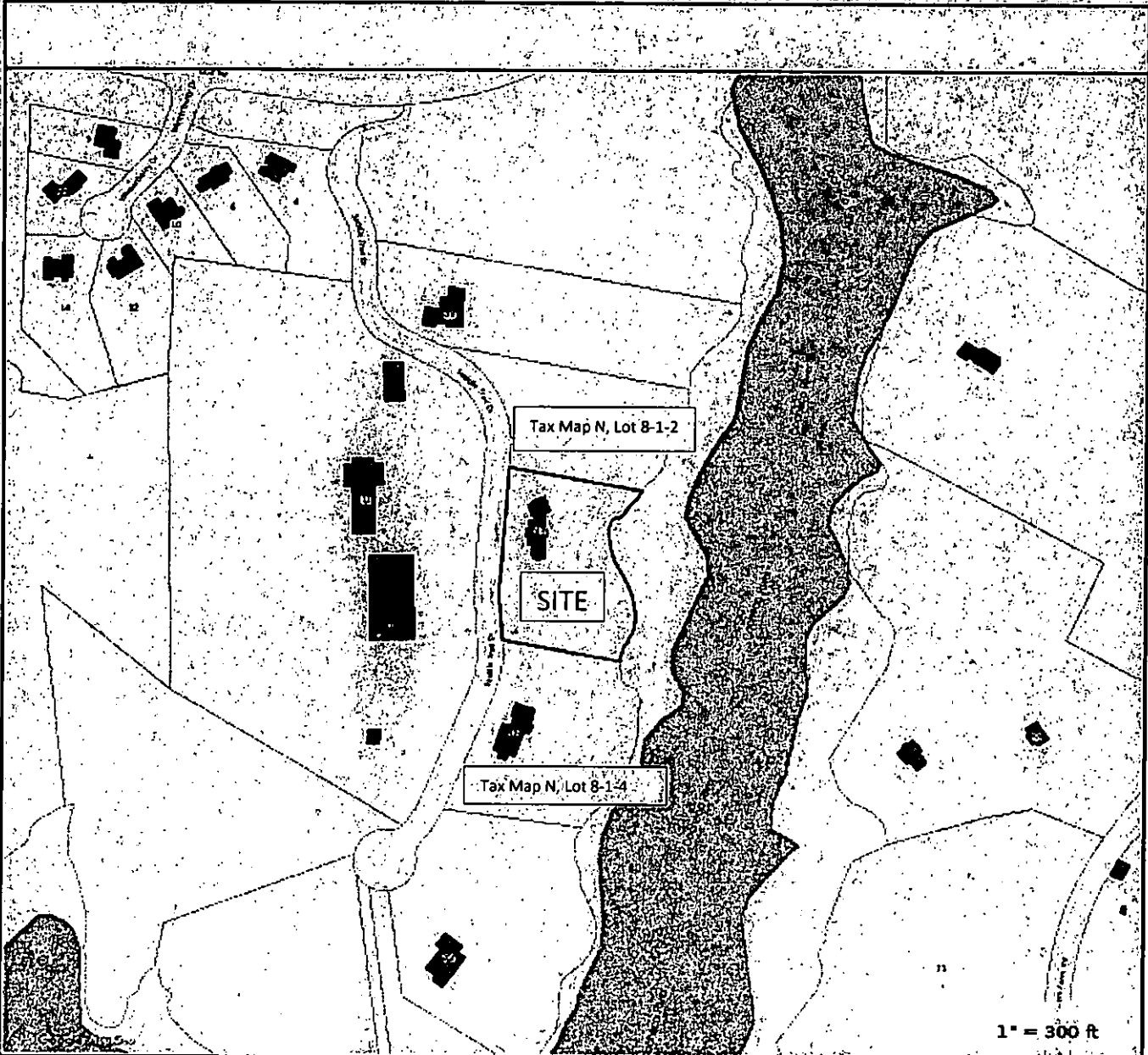
Minor or Major Impact Fee: Calculate using the below table below

Permanent and Temporary (non-docking)	_____ sq. ft.	X \$0.20 =	\$ _____
Temporary (seasonal) docking structure:	<b>290</b> sq. ft.	X \$1.00 =	<b>\$ 290.00</b>
Permanent docking structure:	<b>160</b> sq. ft.	X \$2.00 =	<b>\$ 320.00</b>
Projects proposing shoreline structures (including docks) add \$200 =			<b>\$ 200.00</b>
		Total =	<b>\$ 810.00</b>

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

shoreland@des.nh.gov or (603) 271-2147  
 NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095  
[www.des.nh.gov](http://www.des.nh.gov)





**Property Information**

Property ID: N0008-001003  
Location: 44 SADDLE TRAIL DR  
Owner: MEYERS DANIEL A & CARLA J TRUSTEES



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

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

Geometry updated 11/15/2018  
Data updated 11/15/2018



Map by NH GRANIT



Legend

- State
- County
- City/Town

X: 1205113.857879  
Y: 253441.836942

Map Scale

1: 12,988



© NH GRANIT; www.granit.unh.edu  
Map Generated: 11/29/2018

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:** 12/5/2018. (valid for one year from this date)

**Re:** Review by NH Natural Heritage Bureau

NHB File ID: NEB 18-3683

Town: Dover

Location: Tax Maps: Tax Map N, Lot 8-1-3

Description: The project proposes construction of a tidal docking structure consisting along Fresh Creek.

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

**Comments:** Please send a site plan depicting wetland impacts. NHB recommends that the dock be installed in a location that minimizes impacts to the low brackish riverbank marsh. Site photos would also be helpful for NHB's review.

**Natural Community**

Low brackish riverbank marsh

State Federal Notes

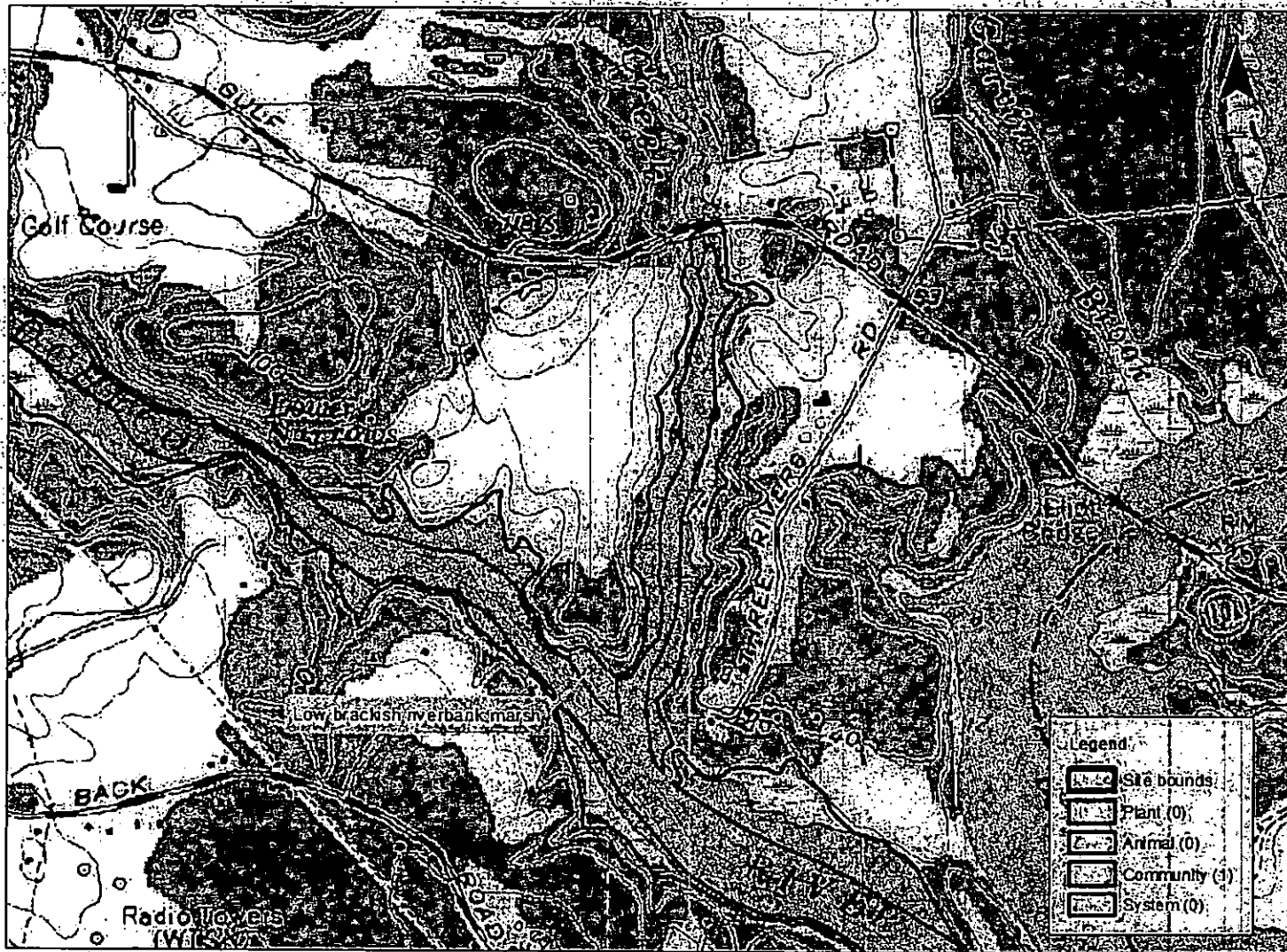
Threats to these communities are primarily alterations to the hydrology of the wetland (such as ditching or tidal restrictions that might affect the sheet flow of tidal waters across the intertidal flat) and increased input of nutrients and pollutants in storm runoff.

Codes: "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

NHB18-3683



**ABUTTER'S LIST**

**JN 2552.67**

**Daniel A. & Carla J. Meyers  
44 Saddle Trail Drive  
Dover, NH**

**MAP    LOT    NAME(S)    PO BOX    STREET ADDRESS    CITY/STATE/ZIP**

---

N    8-1-2    Bonterra Farms LLC

N    89-G-11    Dustin A. & Bree A. Jamieson,  
Living Trust

Engineer

**Ambit Engineering, Inc.**  
Civil Engineers & Land Surveyors

200 Griffin Road, Unit 3

Portsmouth, NH 03801

Applicant/Owner

N    8-1-3    Daniel A. & Carla J. Meyers Rev.  
Living Trust

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

**DISCHARGES, AVOIDANCE, MINIMIZATION AND MITIGATION**

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

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

**HEAVY EQUIPMENT IN FRESH WATER WETLANDS**

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

**TIME OF YEAR WORK WINDOW AND NOISE RESTRICTIONS**

- PILES INSTALLED IN-THE-DRY DURING LOW WATER OR IN-WATER BETWEEN NOV. 8TH - APR. 8TH, OR
- MUST BE DRILLED AND PILED TO LEDGE, OR
- VIBRATORY HAMMERS USED TO INSTALL ANY SIZE AND QUANTITY OF WOOD, CONCRETE OR STEEL PILES, OR
- IMPACT HAMMERS LIMITED TO ONE HAMMER AND <50 PILES INSTALLED/DAY WITH THE FOLLOWING: WOOD PILES OF ANY SIZE, CONCRETE PILES 18-INCHES DIAMETER, STEEL PILES 12-INCHES DIAMETER IF THE HAMMER IS 4,3000 LBS. AND A WOOD CUSHION IS USED BETWEEN THE HAMMER AND STEEL PILE.

- IN-WATER NOISE LEVELS SHALL NOT >187dB SEL RE L<sub>W</sub> OR 206dB PEAK RE L<sub>W</sub> AT A DISTANCE >10M FROM THE PILE BEING INSTALLED, AND
- IN-WATER NOISE LEVELS >155dB PEAK RE L<sub>W</sub> SHALL NOT EXCEED 12 CONSECUTIVE HOURS ON ANY GIVEN DAY AND A 12 HOUR RECOVERY PERIOD (I.E., IN-WATER NOISE BELOW 155dB PEAK RE L<sub>W</sub>) MUST BE PROVIDED BETWEEN WORK DAYS.

**WORK SITE RESTORATION**

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

**SEDIMENTATION AND EROSION CONTROL**

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

**SPAWNING AREAS**

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

**STORAGE OF SEASONAL STRUCTURES**

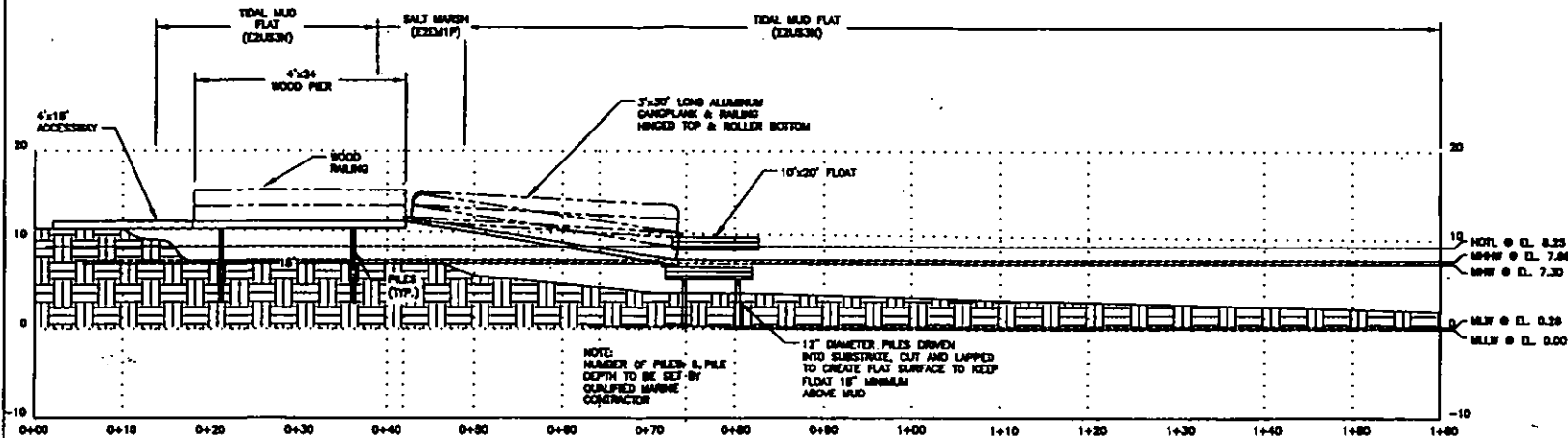
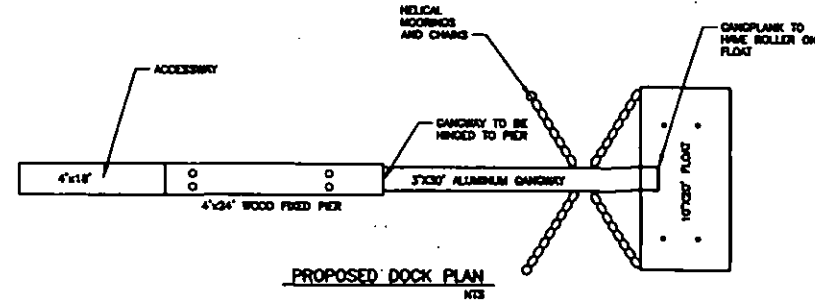
COASTAL STRUCTURES SUCH AS PIER SECTIONS, FLOATS, ETC., THAT ARE REMOVED FROM THE WATERWAY FOR A PORTION OF THE YEAR (OFTEN REFERRED TO AS SEASONAL STRUCTURES) SHALL BE STORED IN AN UPLAND LOCATION LOCATED ABOVE HIGHEST OBSERVABLE TIDE LINE (HOTL) AND NOT IN TIDAL WETLANDS. THESE SEASONAL STRUCTURES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

**ENVIRONMENTAL FUNCTIONS AND VALUES**

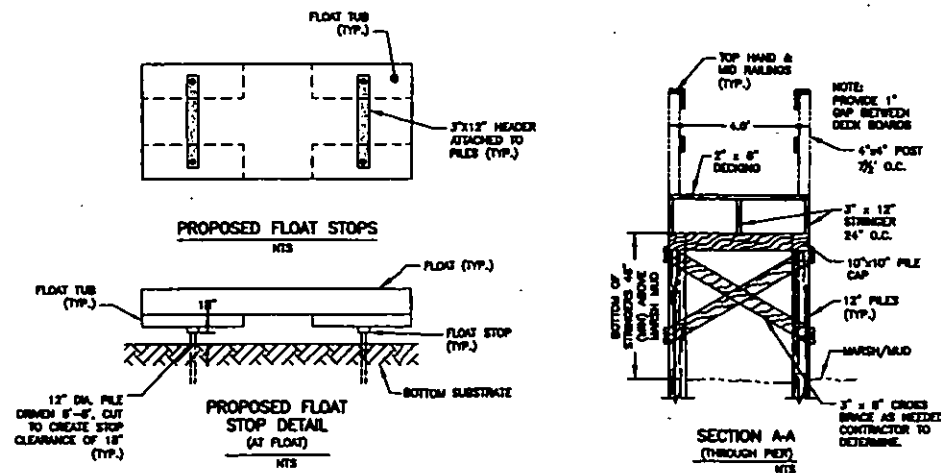
THE PERMITTEE SHALL MAKE EVERY REASONABLE EFFORT TO 1) CARRY OUT THE CONSTRUCTION OR OPERATION OF THE WORK AUTHORIZED BY USACE AND NHDES HEREIN IN A MANNER THAT MINIMIZES ADVERSE IMPACTS ON FISH, WILDLIFE AND NATURAL ENVIRONMENTAL VALUES, AND 2) PROHIBIT THE ESTABLISHMENT OR SPREAD OF PLANT SPECIES IDENTIFIED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

**INSPECTIONS**

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



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



**AMBIT ENGINEERS, INC.**  
Civil Engineers & Land Surveyors  
300 Griffin Road - Unit 3  
Portsmouth, N.H. 03801-7114  
Tel: (603) 430-8200  
Fax: (603) 430-8218

**RIVERAID PICKERING**  
MARINE CONTRACTORS

- NOTES:
- 1) THE CONTRACTOR SHALL NOTIFY DIO SAFE AT 1-888-DIG-SAFE (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
  - 2) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVEGROUND OR UNDERGROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE OWNER. UTILITY CONFLICTS SHOULD BE REPORTED AT ONCE TO THE DESIGN ENGINEER.
  - 3) CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE "NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 3, EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION. (NHDES DECEMBER 2006).
  - 4) NUMBER OF PILES TO BE DRIVEN FOR DOCKING STRUCTURE NOT TO EXCEED 8 AS DEPICTED ON PROPOSED DOCK ELEVATION. ALSO NOTE TIME OF YEAR AND NOISE RESTRICTIONS FOR DRIVING OF PILES.

**MEYERS RESIDENCE**  
44 SADDLE TRAIL  
DRIVE  
DOVER, N.H.

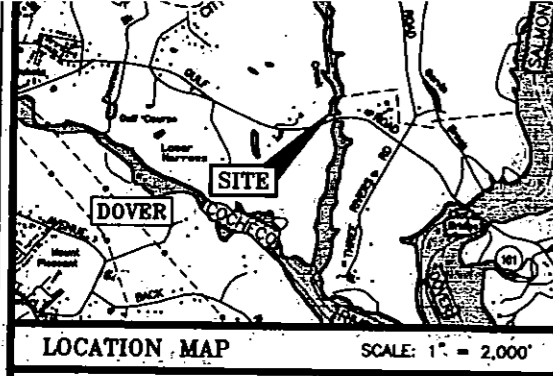
0	ISSUED FOR COMMENT	12/13/18
NO.	DESCRIPTION	DATE
REVISIONS		



AS SHOWN DECEMBER 2018

**NHDES DOCK PERMIT PLAN**

**D1**



- 1) HIGHEST OBSERVABLE TIDE LINE DELINEATED ON 10/9/18 BY STEVEN D. RIKER, CWS IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
  - A) U.S. ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JAN. 1987), AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH-CENTRAL AND NORTHEAST REGION, VERSION 2.0, JANUARY 2012.
  - B) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 8.1, USDA-NRCS, 2017 AND (FOR DISTURBED SITES) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4, NEWPOC WETLANDS WORK GROUP (2017).
  - C) NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS: NORTHEAST (REGION 1), USFWS (MAY 1988).
  - D) CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES, USFW MANUAL FWS/OBS-79/31 (1997).
  - E) "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE" (1997), NEW HAMPSHIRE FISH AND GAME DEPARTMENT.
- 2) WETLAND FLAGS WERE FIELD LOCATED ON 10/14/2018 BY AMBIT ENGINEERING, INC.

- LEGEND:**
- N/T NOW OR FORMERLY
  - RP RECORD OF PROBATE
  - SCRD STRAFFORD COUNTY
  - RDSTRY OF DEEDS
  - MAP 11/LOT 21
  - IP FND IRON PIPE FOUND
  - IR FND IRON ROD FOUND
  - IR SET IRON ROD SET
  - DH SET DRILL HOLE SET
  - RSK SET RAILROAD SPIKE SET
  - BND w/DH BOUND WITH DRILL HOLE
  - ST BND w/DH STONE BOUND w/ DRILL HOLE
  - MLW MEAN LOWER LOW WATER LINE
  - MHW MEAN HIGH WATER LINE
  - MLLW MEAN LOWER LOW WATER LINE
  - HOR HIGHEST OBSERVABLE TIDE LINE
  - CONTOUR
  - 100
  - TBM TEMPORARY BENCHMARK
  - SITE PHOTO LOCATION/DIRECTION

WETLAND IMPACT AREAS IN S.F. FOR PROPOSED REVETMENT REPAIR		
	PERMANENT IMPACT AREAS	DIMENSIONS
TIDAL WATERS WETLAND (E2US3N/E2EM1P)	388	(4'x24')(3'x30') (10'x20')
TIDAL BUFFER ZONE	84	(4'x18')
<b>TOTAL</b>	<b>450</b>	

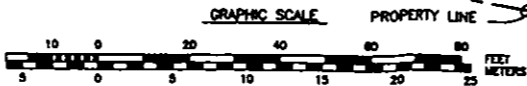
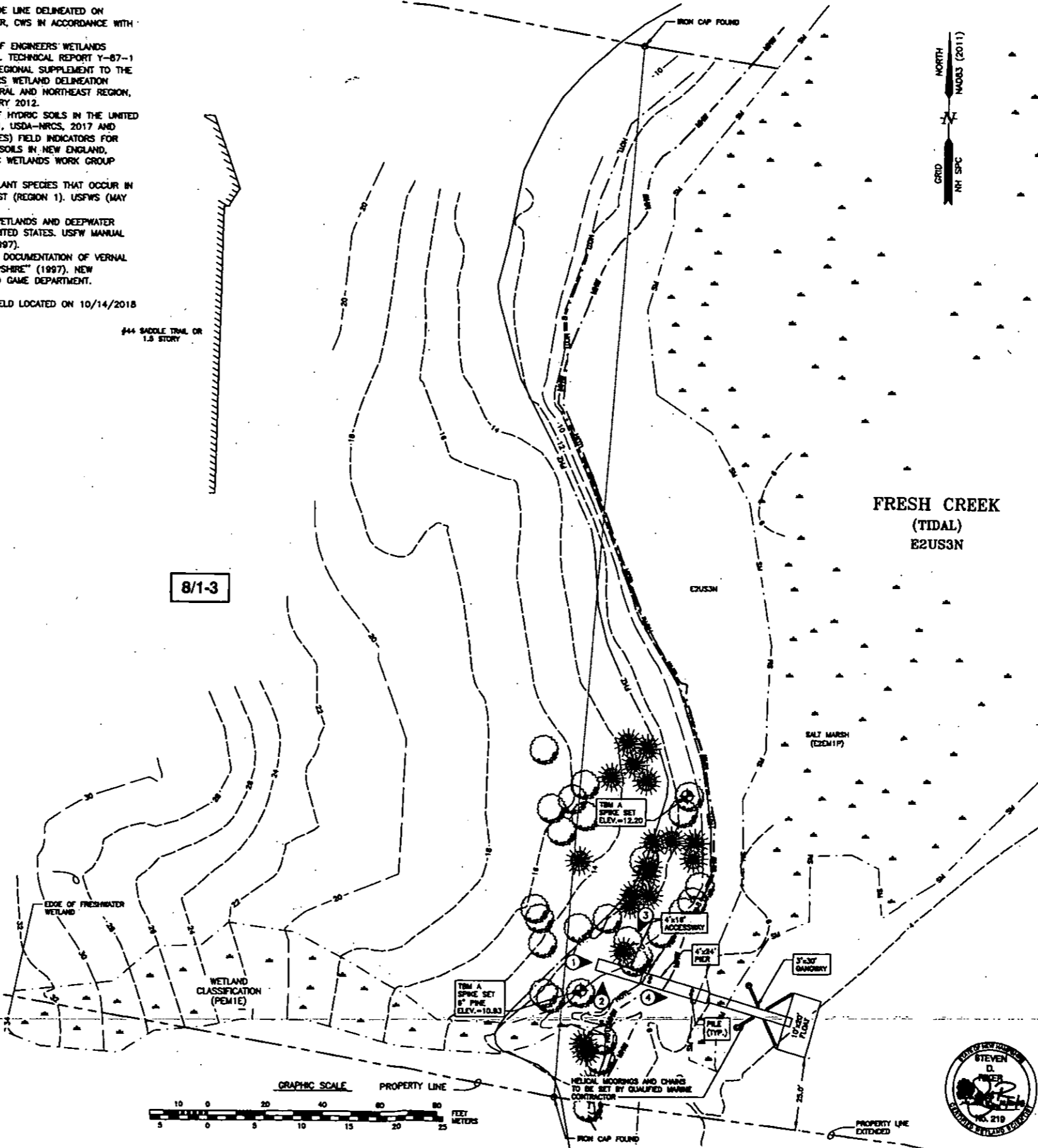
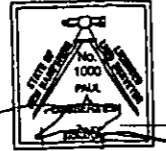
PREVIOUS NHDES  
PERMIT APPROVALS:  
DES SHORELAND FILE: 2018-0017

**ABUTTERS**

- N/T LINDA M. GORMAN TRUSTEE & LINDA M. GORMAN 2006 REVOCABLE TRUST 28 SADDLE TRAIL DR DOVER, NH 03820 4080/733
- N/T JAMESON A. DUSTON BRUCE A. DUSTON 850 CORBETT ST, STE 1 PORTSMOUTH, NH 03820 4284/511
- N/T LINDA M. GORMAN TRUSTEE & LINDA M. GORMAN 2006 REVOCABLE TRUST 28 SADDLE TRAIL DR DOVER, NH 03820 4080/733

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

PAUL A. DOBBERSTEIN, LLS #1000  
DATE 12/14/2018



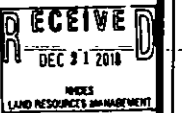
**AMBIT ENGINEERING, INC.**  
Civil Engineers & Land Surveyors  
390 Gutteridge Road - Suite B  
Portsmouth, N.H. 03801-7114  
Tel (603) 430-8222  
Fax (603) 430-2218

**RIVERSIDE PICKERING**  
MARINE CONTRACTORS

- NOTES:**
- 1) PROJECT LOCATION:  
44 SADDLE TRAIL DR  
DOVER, N.H. 03820  
  
PARCEL ID:  
TAX MAP 8 / LOT 1-3  
  
OWNERS OF RECORD:  
DANIEL A. MEYERS & CARLA J. MEYERS REVOCABLE LIVING TRUST  
DANIEL A. MEYERS & CARLA J. MEYERS TRUSTEES  
10 WINTERBERRY DRIVE,  
DOVER, NH 03820  
4578 / 92  
  
ZONING DISTRICT:  
R-40 RURAL RESIDENTIAL DISTRICT
  - 2) THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS ON A PORTION OF TAX MAP 8 LOT 1 IN THE CITY OF DOVER AND SHOW A PROPOSED DOCK ON THE SITE.
  - 3) THE CONTRACTOR SHALL NOTIFY OIG SAFE AT 1-888-DIG-SAFE (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
  - 4) 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.
  - 5) CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE "NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 3, EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION." (REVISED DECEMBER 2008).
  - 6) THE LIMIT OF WORK IS TO BE CLEARLY UNDERSTOOD WITHIN THE JURISDICTIONAL AREAS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
  - 7) PROPERTY IS LOCATED IN A SPECIAL FLOOD HAZARD AREA ZONE A- FRESH CREEK AS SHOWN ON FIRM PANEL 3301700330E, EFFECTIVE DATE SEPTEMBER 30, 2015.
  - 8) VERTICAL DATUM: MEAN LOWER LOW WATER (MLLW), BASIS OF VERTICAL DATUM IS REDUNDANT WITH GPS OBSERVATION (40.2), REDUCTION FROM MARS90 TO MLLW BASED ON NOAA STANDARD 8420111, DOVER, COCHOWOC RIVER, MLLW BEING 3.95' LOWER THAN 0 NAVD83.

**MEYERS RESIDENCE**  
44 SADDLE TRAIL  
DRIVE  
DOVER, N.H.

NO.	DESCRIPTION	DATE
0	ISSUED FOR COMMENT	12/13/18
REVISIONS		



SCALE 1"=20' DECEMBER 2018

**NHDES DOCK PERMIT PLAN**

**C1**