



The State of New Hampshire
Department of Environmental Services



Robert R. Scott, Commissioner

October 30, 2019

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

REQUESTED ACTION

Approve Rachel and Scott Filion's request to perform the following work on Little Bay in Dover. File # 2019-02455. This project will not have significant impact on or adversely affect the values of Little Bay.

Impact a total of 730 square feet including 40 square feet of permanent impact to the previously developed upland tidal buffer zone and 690 square feet of permanent impact to tidal wetlands, to construct a new tidal docking structure. The new structure consists of a 4 foot by 10 foot access way connecting to a 4 foot by 100 foot fixed pier connecting to a 3 foot by 30 foot ramp connecting to a 10 foot by 20 foot float. The overall structure length seaward of the highest observable tide line is 150 feet, providing two slips on 110 feet of frontage along Little Bay.

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 June 2019, and revised through September 24, 2019, last received by the NH Department of Environmental Services (NHDES) on September 24, 2019.
2. Not less than 5 state business days prior to starting work authorized by this permit, the permittee shall notify the NHDES Wetlands Bureau (Stefanie.Giallongo@des.nh.gov) and the local conservation commission in writing of the date on which work under this permit is expected to start.
3. 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 DES Wetlands Bureau prior to construction.
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. 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.
6. This tidal docking structure consisting of a 4 foot by 10 foot access way connecting to a 4 foot by 100 foot fixed pier connecting to a 3 foot by 30 foot ramp connecting to a 10 foot by 20 foot float, with an overall structure length seaward of the highest observable tide line of 150 feet, providing two slips on 110 feet of frontage on the Piscataqua River, and shall be the only docking structure on this water frontage.

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

7. There shall be no removal of mature trees along the shoreline of the river on this property associated with the construction of the dock and access way.
8. Construction of the dock shall occur from a barge equipped with a crane, at low tide, to reduce potential impacts to the river bank and the estuarine intertidal and subtidal wetlands.
9. Pile driving or pile removal work shall be done during low tide to the maximum extent practicable.
10. Pilings to be removed shall be cut level with the substrate rather than pulled, in order to limit the creation of turbidity.
11. Decking shall have at least 3/4-inch spacing between the decking planks to provide sufficient sunlight penetration and rainfall to underlying vegetation.
12. Appropriate siltation/erosion/turbidity controls shall be in place prior to construction, shall be maintained during construction, and shall remain in until the area is stabilized.
13. Work shall be conducted in a manner so as to minimize turbidity and sedimentation to surface waters and wetlands.
14. Work shall be conducted in a manner that avoids excessive discharges of sediments to fish spawning areas.
15. The seasonal structures, including but not limited to the ramp and float, shall be removed during the non-boating season and stored on the existing pier or in an upland location.
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 September 30, 2019. The NHDES supported its decision with the following findings:

1. This is a Major Project per New Hampshire Administrative Rule Env-Wt 303.04(a), projects located tidal wetlands, except for repair of existing structures.
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 proposed dock is the minimum length necessary to provide access at this location for the duration of the tidal cycle and designed in such a way as to prevent the float from sitting on the mud at low tide.
4. The decking of the proposed dock will have a minimum of 3/4-inch spacing between the decking planks and the bottom of the pier will be a minimum of 4 feet above the substrate to provide adequate ambient light levels to support the underlying salt marsh community.
5. The permittee's contractor will be utilizing a barge and crane to complete construction of the dock from the water to minimize impacts to the tidal wetland resource.
6. 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.

7. The Natural Heritage Bureau (NHB) report submitted with the application package (NHB19-2201) stated that although there was a record of a sensitive species in the vicinity, no impacts to rare or endangered species or exemplary natural communities are expected as a result of the project.
8. On May 21, 2018, the NHDES Shoreland Program issued a permit (2018-00699) for 29,013 square feet of impact within the protected shoreland for redevelopment of the residential structure and reconfiguration of the driveway and a planting plan.
9. On June 12, 2018, the NHDES Wetlands Bureau issued a permit (2018-01017) for 4,988 square feet of impact within the previously-developed upland tidal buffer zone for redevelopment of the residential structure and reconfiguration of the driveway and a planting plan.
10. NHDES staff field inspection on September 25, 2019 found that the site is accurately represented in the application.
11. In correspondence dated September 18, 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 March 02, 2018, signed authorization was provided by the applicant to allow their agent to act on their behalf throughout the permitting process.
13. In correspondence dated September 17, 2019, the NH Division of Historical Resources found that no historic properties will be affected by the proposed project.
14. In accordance with New Hampshire Administrative Rule Env-Wt 304.04, signed authorization (dated August 07, 2019) was obtained from abutting property owners to which the proposed docking structure will fall within 20 feet of the imaginary extension of the shared property boundaries.
15. 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.

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

RECEIVED
AUG 08 2019
NHDES
LAND RESOURCES MANAGEMENT

COMPLETE
AUG 08 2019

2019-02155
OK# 396
8/13/19 UD
RS

1. REVIEW TIME: Indicate your Review Time below to determine review time, refer to Guidance Document A for instructions

- Standard Review (Minimum, Minor or Major Impact) Expedited Review (Minimum Impact only)

2. MITIGATION REQUIREMENT:
If mitigation is required, a Mitigation Pre-Application meeting must occur prior to submitting this Wetlands Permit Application. To determine if mitigation is required, please refer to the Determine if Mitigation is Required in 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: 17 Boston Harbor Road TOWN/CITY: Dover

TAX MAP: 7 BLOCK: LOT: 10 UNIT:

USGS TOPO MAP WATERBODY NAME: Little Bay NA STREAM WATERSHED SIZE: NA

LOCATION COORDINATES (if known): X:1,204,243.9273 Y:229,799.4870
 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 a tidal docking structure proposing 690 sq. ft. of permanent impact to tidal wetland and 40 sq. ft. of permanent impact to the previously developed 100' Tidal Buffer Zone for construction of a 4' x 10' sq. ft. access ramp, a 1' x 100' fixed wood pier, a 3' x 30' aluminum gangway, and a 10' x 20' float (overall structure length 150') providing one slip on 109.88 +/- feet of frontage along Little Bay.

5. SHORELINE FRONTAGE:
 N/A This does not have shoreline frontage. SHORELINE FRONTAGE: 109.88
Shoreline Frontage is calculated by determining the average of the distances of the actual natural navigable shoreline frontage and a straight line drawn between the property lines, both of which are measured at the normal high water line (Env-Wt 101.89).

6. RELATED NHDES LAND RESOURCES MANAGEMENT PERMIT APPLICATIONS ASSOCIATED WITH THIS PROJECT
Please indicate if any of the following permit applications are required and if required, the status of the application. To determine if other Land Resources Management Permits are required, refer to the Land Resources Management Webpage.

Permit Type	Permit Required	File Number	Permit Application Status
Alteration of Terrain Permit Per RSA 485-A:17	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	---	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED
Individual Sewerage Disposal per RSA 485-A:2	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	---	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED
Subdivision Approval Per RSA 485-A	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	---	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED
Shoreland Permit Per RSA 483-B	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	---	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED

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

- a. Natural Heritage Bureau File ID: NHB 19 - 2201
- 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.

8. APPLICANT INFORMATION (Desired permit holder)LAST NAME, FIRST NAME, M.I.: **Filion, Scott & Rachel**

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:

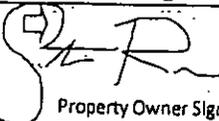
PHONE:

ELECTRONIC COMMUNICATION: By Initialing here _____, I hereby authorize NHDES to communicate all matters relative to this application electronically.

10. AUTHORIZED AGENT INFORMATIONLAST 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 **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



Agent-See Authorization

Property Owner Signature

Steven D. Riker

Print name legibly

8 / 5 / 2019

Date

lrm@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.

<input type="checkbox"/>	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.

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.

<input type="checkbox"/>	Susan Mistretta Print name legibly	Dover Town/City	8/6/19 Date
--------------------------	---------------------------------------	--------------------	----------------

DIRECTIONS FOR TOWN/CITY CLERK:

Per RSA 482-A:3, I

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

DIRECTIONS FOR APPLICANT:

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

14. IMPACT AREA:

For each jurisdictional area that will be/has been impacted, provide square feet and, if applicable, linear feet of impact.

Permanent: impacts that will remain after the project is complete.

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

Intermittent Streams: linear footage distance of disturbance is measured along the thread of the channel.

Perennial Streams/Rivers: the total linear footage distance is calculated by summing the lengths of disturbance to the channel and each bank.

JURISDICTIONAL AREA	PERMANENT Sq. Ft. / Lin. Ft.	TEMPORARY Sq. Ft. / Lin. Ft.
Forested wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Scrub-shrub wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Emergent wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Wet meadow	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Intermittent stream channel	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Perennial Stream / River channel	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Lake / Pond	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Intermittent stream	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Perennial stream / River	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Lake / Pond	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Tidal water	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Salt marsh	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Sand dune	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland buffer	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Undeveloped Tidal Buffer Zone (TBZ)	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Previously-developed upland in TBZ	40 <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	690 <input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Vernal Pool	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
TOTAL	730 /	/

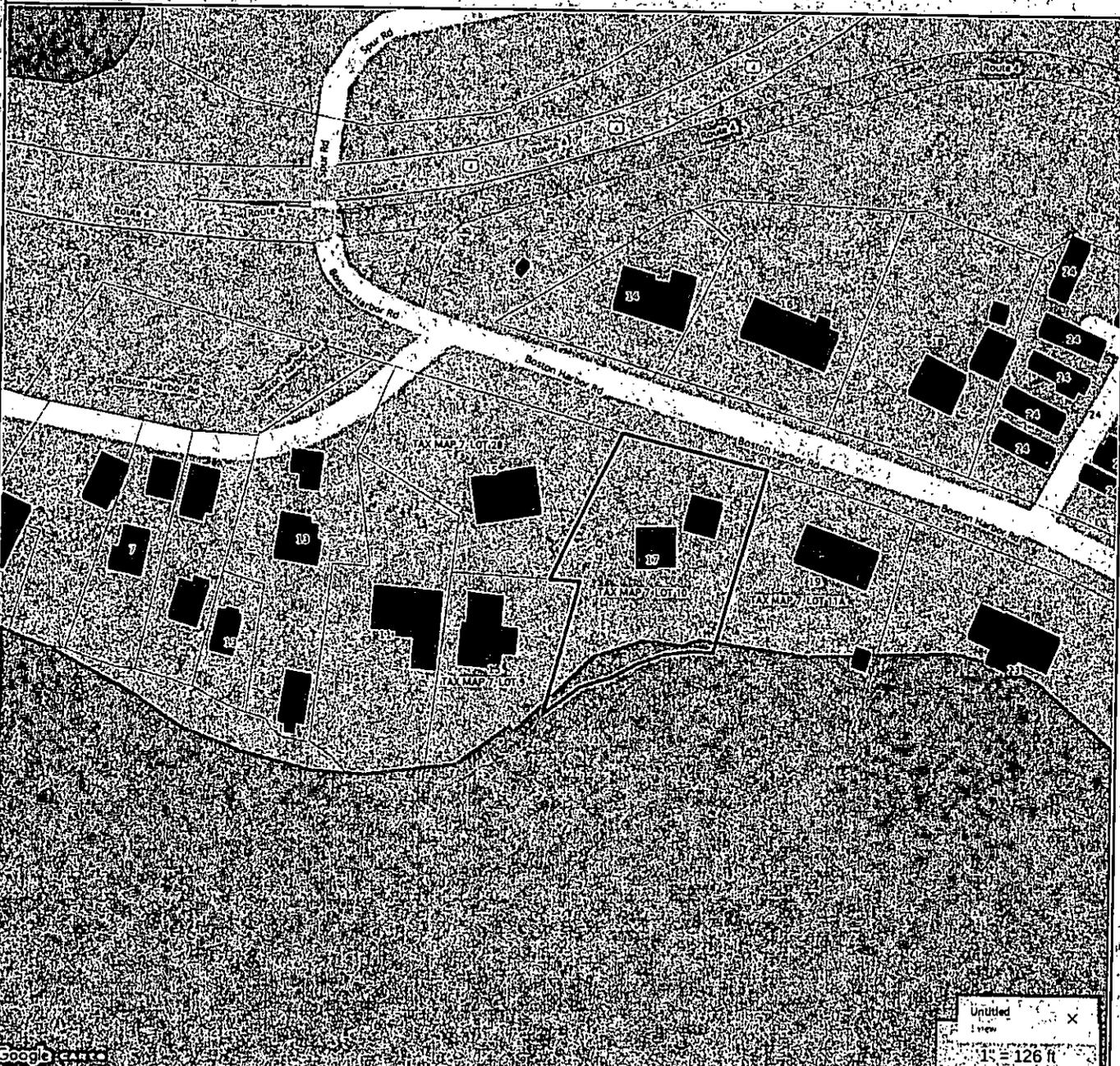
15. APPLICATION FEE: See the Instructions & Required Attachments document for further instruction

Minimum Impact Fee: Flat fee of \$ 200

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

Permanent and Temporary (non-docking)	_____ sq. ft.	X \$0.20 =	\$ _____
Temporary (seasonal) docking structure:	290 sq. ft.	X \$1.00 =	\$ 290.00
Permanent docking structure:	440 sq. ft.	X \$2.00 =	\$ 880.00
Projects proposing shoreline structures (including docks) add \$200 =			\$ 200.00
Total =			\$ 1,370.00

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



Property information
 Property ID 07010-000000
 Location 17 BOSTON HARBOR RD.
 Owner CURTIS ANNE E & GILPATRIC DAVID TRUSTEES



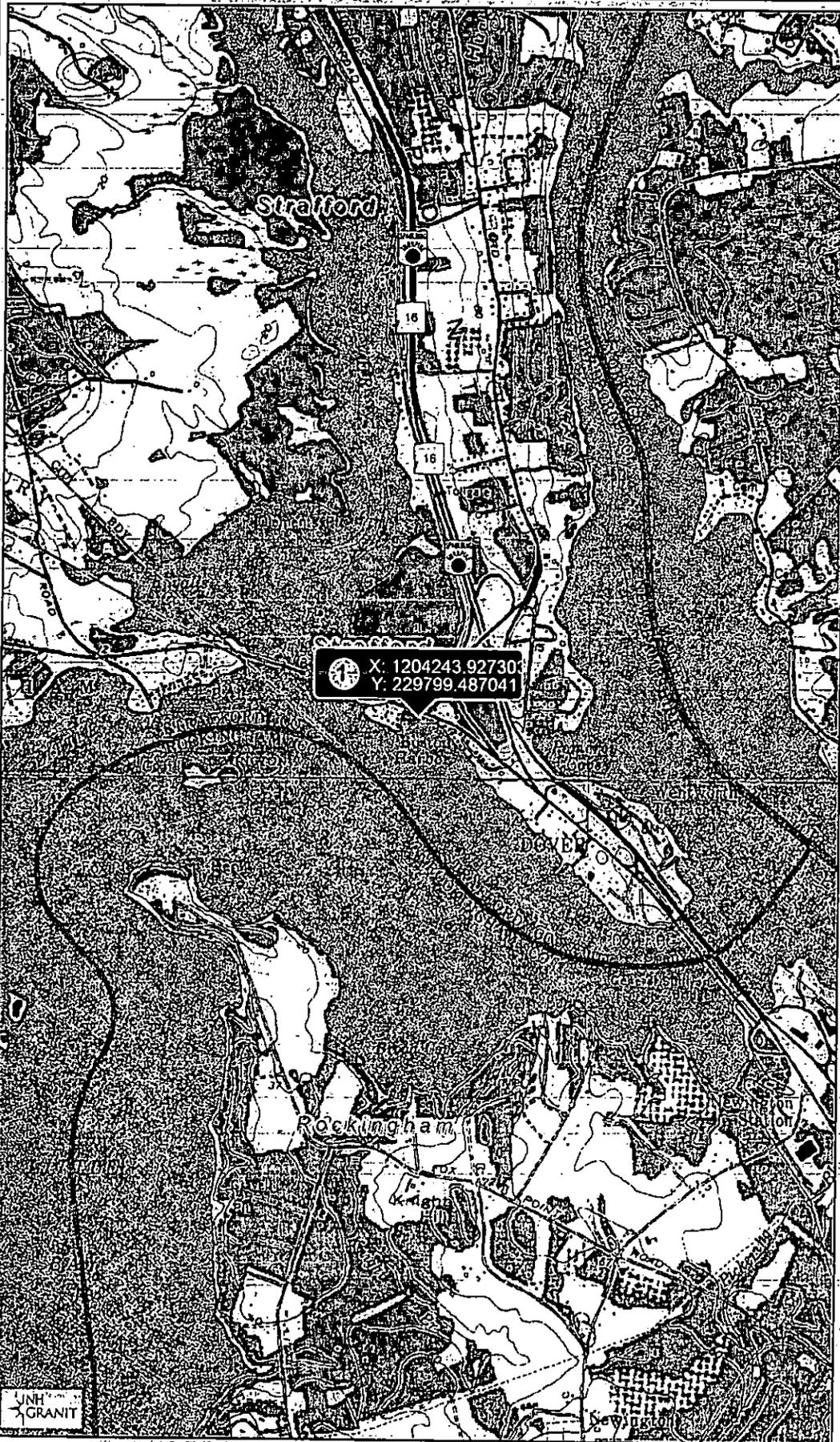
MAP FOR REFERENCE ONLY
 NOT A LEGAL DOCUMENT

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.

Parcels updated 6/13/2017
 Properties updated 11/27/2017

RECEIVED
 AUG 08 2019
 NHDES
 LAND RESOURCES MANAGEMENT

Map by NH GRANIT



Legend

- State
- County
- City/Town

X: 1204243.927303
Y: 229799.487041

RECEIVED
AUG 08 2019
NHDES
LAND RESOURCES MANAGEMENT

Map Scale

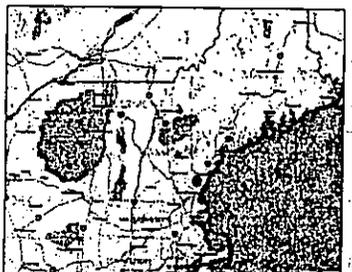
1: 25,977



© NH GRANIT, www.granit.unh.edu

Map Generated: 11/28/2017

Notes





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: 7/18/2019 (valid for one year from this date)

Re: Review by NH Natural Heritage Bureau of request submitted 7/12/2019

NHB File ID: NHB19-2201

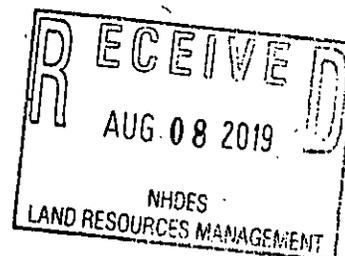
Applicant: Scott Filion

Location: Dover
Tax Maps: Tax Map 7, Lot 10

Project
Description: The project proposes a 4' x 10' accessway, a 4' x 100' fixed pier, a 3' x 30' gangway, and a 10' x 20' float secured by piles.

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 7/12/2019, and cannot be used for any other project.

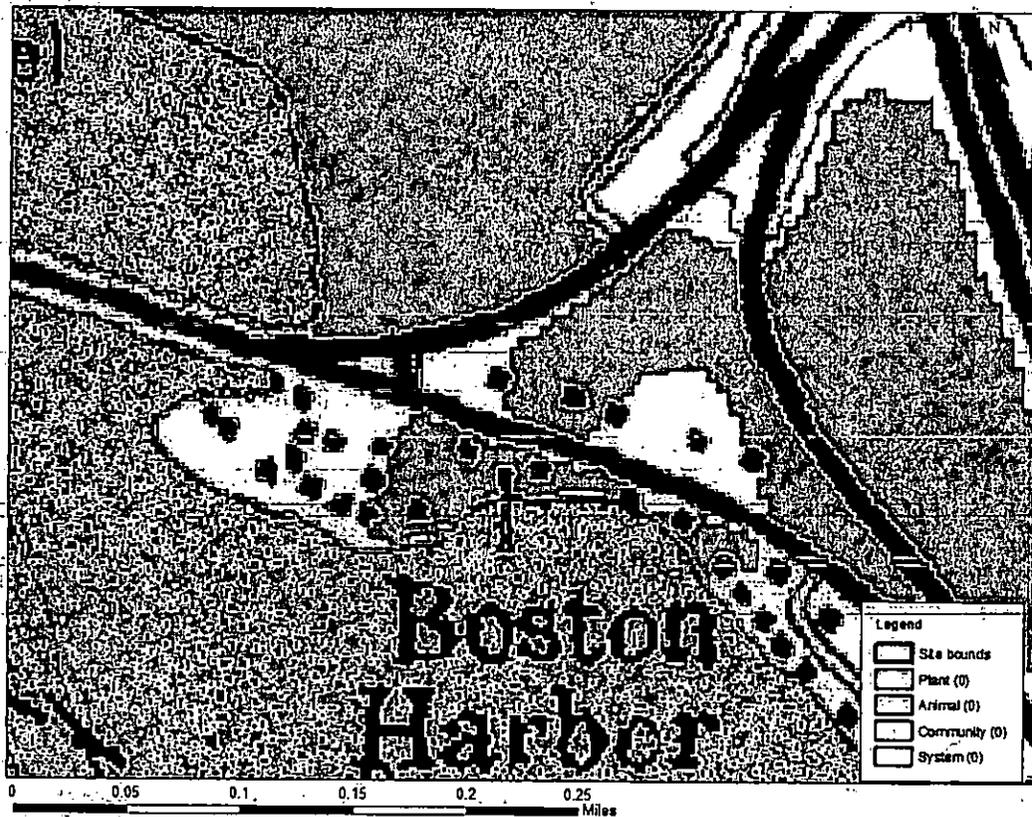




NEW HAMPSHIRE NATURAL HERITAGE BUREAU
NHB-DATACHECK RESULTS LETTER

MAP OF PROJECT BOUNDARIES FOR: NHB19-2201

NHB19-2201

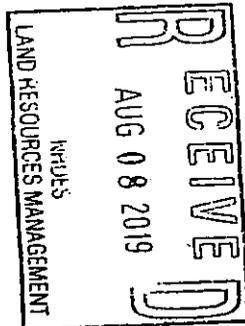


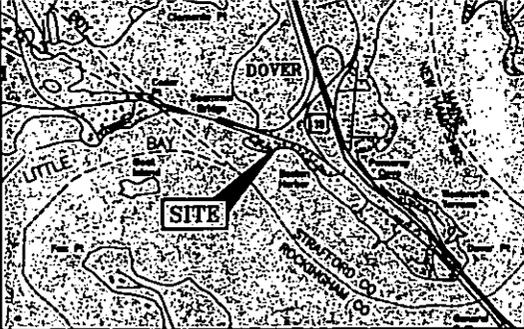
ABUTTER'S LIST

JN 2850

**Scott & Rachel Filion
17 Boston Harbor Road
Dover, NH**

MAP	LOT	NAME(S)	PO BOX	STREET ADDRESS	CITY/STATE/ZIP
7	11A	Keegan Family Revocable Trust Thomas & Jean Keegan, Trustees			
7	9	Wesley C. & Sandra C. Elmer			
7	28	Richardson Family Revocable Trust John T. & Donna J. Richardson, Trustees			
		Engineer Ambit Engineering, Inc. Civil Engineers & Land Surveyors		200 Griffin Road, Unit 3	Portsmouth, NH 03801
		Applicant/Owner 7 10 Scott Filion			

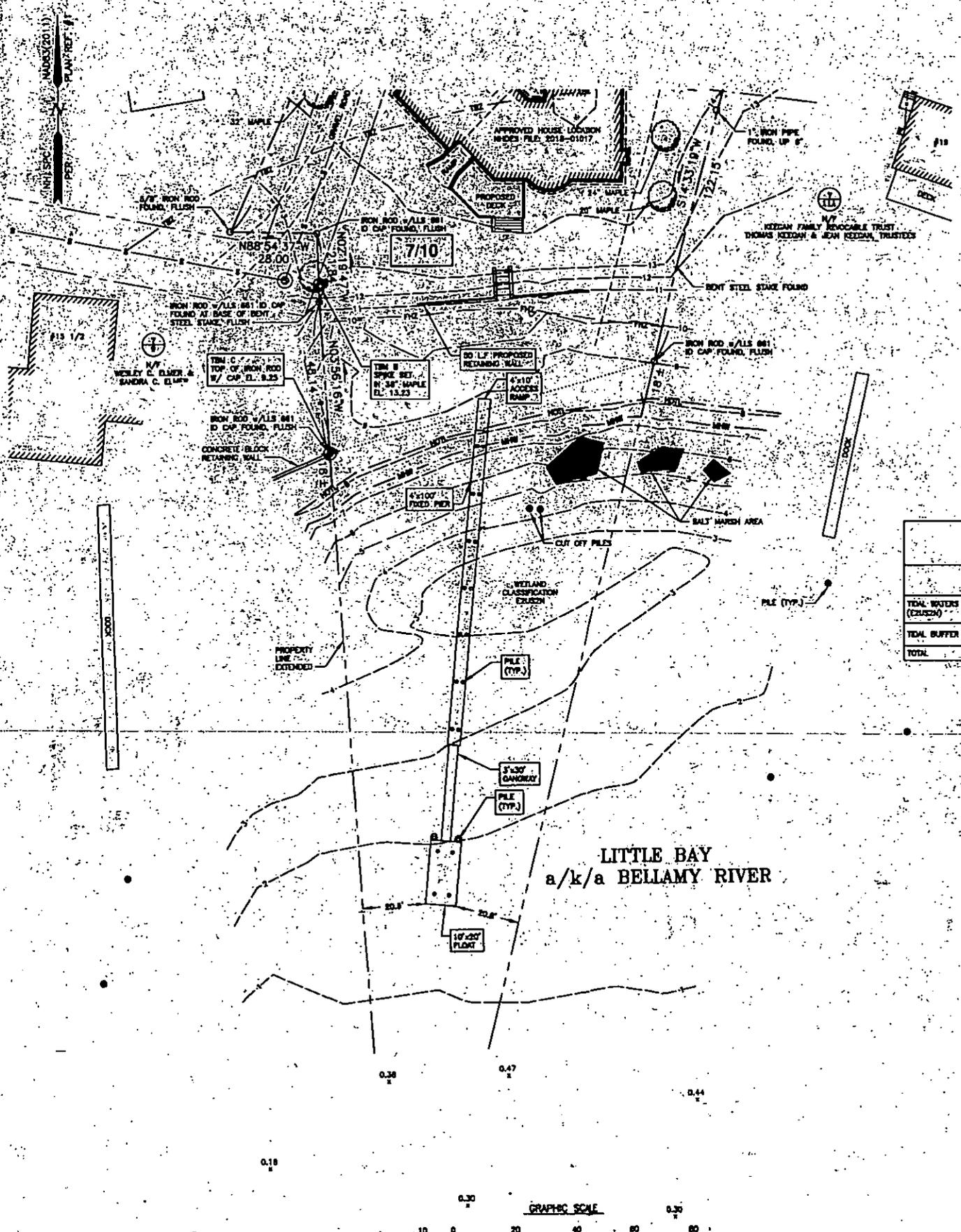




LOCATION MAP SCALE 1"=2,000'

LEGEND

N	NO. OF FORESTY
RP	RECORD OF PROJECT
SCRD	STAFFORD COUNTY REGISTER OF DEEDS
MAP 117 / LOT 10	
⊕	RAILROAD SPIKE FOUND
⊙	IRON ROD FOUND
⊖	IRON PIPE FOUND
⊗	DRILL HOLE FOUND
⊘	MOOT FOUND
⊙	TOWN BOUND FOUND
⊙	BOUND / DRILL HOLE
⊙	STONE BOUND / DRILL HOLE
⊙	HIGHEST OBSERVABLE TIDE LINE
⊙	MEAN HIGH WATER LINE
⊙	WETLAND CLASSIFICATION
⊙	WETLAND BUFFER ZONE
⊙	SEWER LINE
⊙	STORM DRAIN
⊙	WATER LINE
⊙	OVERHEAD ELECTRIC WIRES
⊙	CENTERLINE
⊙	SPOT ELEVATION
⊙	EDGE OF PAVEMENT (EP)
⊙	WOODS / TREE LINE
⊙	UTILITY POLE (U/ GUY)
⊙	WATER SHUT OFF/CURB STOP
⊙	METER (GAS, WATER, ELECTRIC)
⊙	CATCH BASIN
⊙	SEWER MANHOLE
⊙	PHOTO LOCATION/DIRECTION
⊙	ASBESTOS CEMENT PIPE
⊙	CAST IRON PIPE
⊙	CORRUGATED METAL PIPE
⊙	CONCRETE MASONRY UNIT
⊙	COPPER PIPE
⊙	DUCTILE IRON PIPE
⊙	POLYVINYL CHLORIDE PIPE
⊙	REINFORCED CONCRETE PIPE
⊙	WITNESSED CLAY PIPE
⊙	ELEVATION
⊙	EDGE OF PAVEMENT
⊙	FINISHED FLOOR
⊙	BENCHMARK
⊙	TEMPORARY BENCHMARK
⊙	TYPICAL
⊙	VERTICAL/SLOPED GRANITE CURB
⊙	CAPE COD BERM
⊙	CENTERLINE
⊙	LANDSCAPED AREA
⊙	TO BE REMOVED
⊙	NATIVE TREES TO BE PLANTED

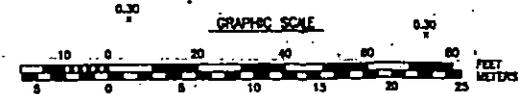


WETLAND IMPACT AREAS (IN SQ. FT.)

	PROPOSED IMPACT (SQ. FT.)	IMPACT AREAS
TOTAL WATERS WETLAND (E1/E2/E3)	690	(4'x100' / 2'x30' / 10'x20')
TOTAL BUFFER ZONE	40	(4'x10')
TOTAL	730 S.F.	

PLAN REFERENCE:
 1) PLAN OF LAND PREPARED FOR THE ANNE E. CURTIS TRUST, TAX MAP 7, LOT No. 10, 17 BOSTON HARBOR ROAD, CITY OF DOVER, COUNTY OF STRAFFORD, STATE OF NEW HAMPSHIRE, PREPARED BY McNEANEY SURVEYING ASSOCIATES, INC. DATED OCTOBER 2, 2017. NOT RECORDED.

WETLAND NOTES:
 1) HIGHEST OBSERVABLE TIDE LINE DELINEATED BY STEVEN D. RIKER, CHS ON 11/27/2017 IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 A) U.S. ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (MAY, 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, NEMPOC 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, USFWS MANUAL FWS/OBS-78/31 (1997).
 E) "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE" (1987), NEW HAMPSHIRE FISH AND GAME DEPARTMENT.
 2) WETLAND FLAGS WERE FIELD LOCATED BY AMBIT ENGINEERING, INC.



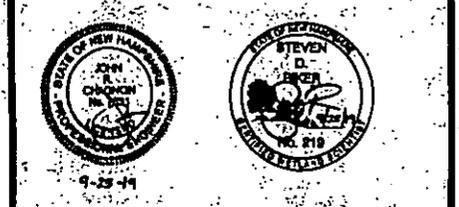
"I CERTIFY THAT THIS PLAN WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN ACCURACY OF THE CLOSED TRAVERSE THAT EXCEEDS THE PRECISION OF 1:15,000."

PAUL A DOBBERSTEIN, LLS DATE

NOTES:
 1) PARCEL IS SHOWN ON THE CITY OF DOVER ASSESSOR'S MAP 17 AS LOT 10.
 2) OWNERS OF RECORD: SCOTT FILION & RACHEL FILION, 17 HAMEL FARM ROAD, NEWMARKET NH 03857, 4529/81, PLAN REFERENCE 1.
 3) PORTIONS OF THE PARCEL ARE IN A SPECIAL FLOOD HAZARD AREA, ZONE AE (EL. 6) AS SHOWN ON FIRM PANEL 333017C0340E, EFFECTIVE DATE SEPTEMBER 30, 2015.
 4) EXISTING LOT AREA: 19,972 S.F. (PER PLAN REF. 1), 0.42 ACRES (PER PLAN REF. 1).
 5) PARCEL IS LOCATED IN LOW DENSITY RESIDENTIAL (R-20) ZONING DISTRICT.
 6) THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED TIDAL DOCK ON TAX MAP 7 LOT 10 IN THE CITY OF DOVER.
 7) VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW) MLLW REFERENCED ON NOAA STATION 8423003 ATLANTIC TERMINALS 114A, MLLW BEING 3.99' LOWER THAN 0.0 NAVD83. BASIS OF VERTICAL DATUM IS REDUNDANT RTN GPS OBSERVATIONS (±0.2').

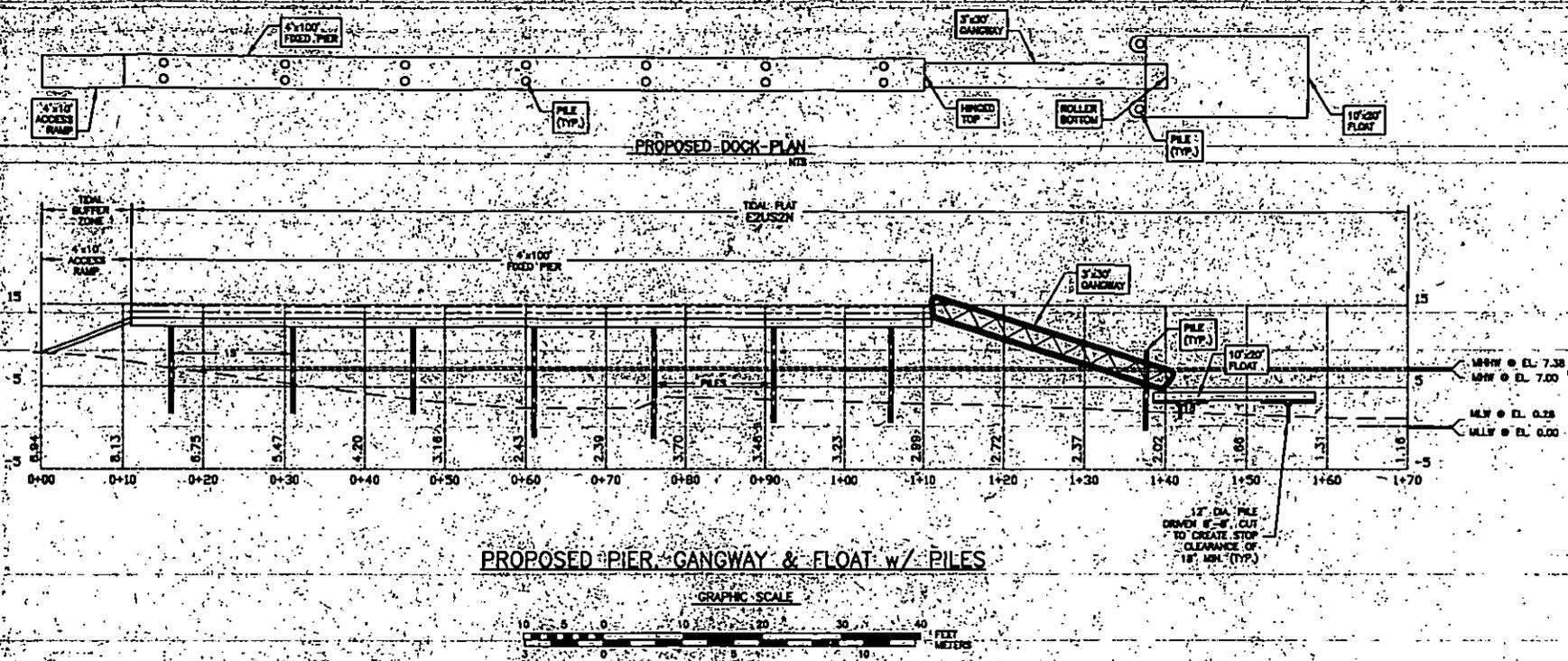
**FILION RESIDENCE
 17 BOSTON HARBOR RD.
 DOVER, N.H.**

NO.	REVISIONS	DATE
1	REVISED FILE CONFIGURATION	8/23/18
2	ADD SALT MARSH AREAS	8/12/19
3	ISSUED FOR COMMENT	7/29/19



SCALE 1"=20' JUNE 2019

NH DES PERMIT PLAN C2



PROPOSED PIER, GANGWAY & FLOAT w/ PILES



- NOTES:**
- 1) THE CONTRACTOR SHALL NOTIFY DIG SAFE AT 1-888-DIG-SAFE (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
 - 2) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVEGROUND OR UNDERGROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE OWNER. UTILITY CONFLICTS SHOULD BE REPORTED AT ONCE TO THE DESIGN ENGINEER.
 - 3) CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE "NEW HAMPSHIRE STORMWATER MANUAL VOLUME 3, EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION" (REVISED DECEMBER 2006).
 - 4) NUMBER OF PILES TO BE DRIVEN FOR DOCKING STRUCTURE NOT TO EXCEED 22 AS DEPICTED ON PROPOSED DOCK ELEVATION. ALSO NOTE TIME OF YEAR AND NOISE RESTRICTIONS FOR DRIVING OF PILES.

SEQUENCE OF CONSTRUCTION

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

WORK SITE RESTORATION

UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED WETLAND AREAS SHALL BE PROPERLY STABILIZED. ANY SEED ARE 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 LAYERS AND VEGETATION SCHEMES ARE APPROXIMATELY THE SAME UNLESS AUTHORIZED.

SEDIMENTATION AND EROSION CONTROL

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

SPAWNING AREAS

DISCHARGES OF DREDGED OR FILL MATERIAL AND/OR SUSPENDED SEDIMENT PREVENTING ACTIVITIES IN FISH AND SHELLFISH SPAWNING OR NURSERY AREAS, OR AMPHIBIAN AND LACERPTAN 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 MAJONSON-STODOLY FISHERY CONSERVATION AND MANAGEMENT ACT (I.E. OPH FOR SPAWNING ADULTS) CAN BE OBTAINED FROM THE NHFS WEBSITE AT: WWW.NHENG.NH.GOV/MSO.

STORAGE OF SEASONAL STRUCTURES

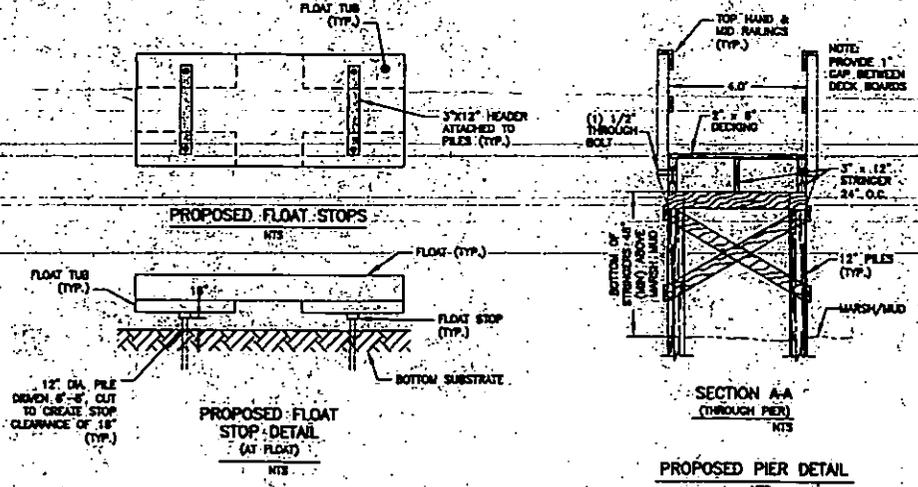
COASTAL STRUCTURES SUCH AS PIER SECTIONS, FLOATS, ETC., THAT ARE REMOVED FROM THE WATERWAY FOR A PORTION OF THE YEAR (OFTEN REFERRED TO AS SEASONAL STRUCTURES) SHALL BE STORED IN AN UPLAND LOCATION, LOCATED ABOVE HIGHEST OBSERVABLE TIDE LINE (MHW), AND NOT IN TIDAL WETLANDS. THESE SEASONAL STRUCTURES MAY BE STORED ON THE FIXED PILE-SUPPORTED PORTION OF THE STRUCTURE THAT IS SEAWARD OF MHW. 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 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.USACE.ARMY.MIL/REGULATORY/ FOR CONTROL METHODS.

INSPECTIONS

THE PERMITTEE SHALL ALLOW THE CORPS AND NHDES TO MAKE PERIODIC INSPECTIONS AT ANY TIME DECIDED 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.



FILION RESIDENCE
 17 BOSTON HARBOR RD.
 DOVER, N.H.

NO.	DESCRIPTION	DATE
1	REVISED PILE CONFIGURATION	8/25/19
2	ISSUED FOR COMMENT	7/29/19



SCALE: AS SHOWN JUNE 2019

DOCK DETAILS **D1**

A:\00001\201906\NH_2550\019 Permitted\Plan - A_Section\19a_2550_Dock_Pier.dwg, 10/1/2019 10:00:00 AM