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The State of New Hampshire
Department of Environmental Services



Robert R. Scott, Commissioner

December 06, 2022

105

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

REQUESTED ACTION

Approve Manisha P. Heiderscheidt 2010 Rev Trust's request to perform the following work on Little Bay in Durham pursuant to NH Department of Environmental Services (NHDES) Wetlands Bureau permit #2022-01663, and in accordance with RSA 482-A:3. Comments submitted by the Durham Conservation Commission, stating they have no objections to the project as proposed, are included in the enclosed documents.

Impact 925 square feet (SF) of tidal wetland to construct an extension to an existing tidal docking structure consisting of a 6 foot by 65 foot fixed pier connected to a 3 foot by 45 foot ramp connected to a 10 foot by 40 foot float with associated piles. The overall length of this docking structure, seaward of the highest observable tide line, is 280 feet, on 77 feet of frontage along Little Bay in Durham.

NHDES imposed the following conditions as part of this approval:

1. All work shall be done in accordance with the approved plans dated April 2022, and revised through September 28, 2022, by Ambit Engineering, Inc., and received by the NH Department of Environmental Services (NHDES) on September 30, 2022, in accordance with Env-Wt 307.16.
2. This permit shall not be effective until the permittee records this permit at the Strafford County Registry of Deeds as required by RSA 482-A:3, VI. Any limitations or conditions in the permit so recorded shall run with the land beyond the expiration of the permit. The permittee shall provide the NHDES with a copy of the permit stamped by the registry with the book and page and date of receipt, in accordance with New Hampshire Administrative Rule Env-Wt 314.02(b) and (c).
3. Pile installation shall occur between November 15 and March 15, to protect anadromous fish as required by Env-Wt 307.06.
4. The ramp and float portions of residential tidal docks shall be seasonal and removed from the water during the non-boating season, in accordance with Env-Wt 606.06(b).
5. Tidal docking installation shall be done by barge or upland to prevent the driving of construction equipment in or through tidal waters/wetlands or on the bottom of the inter-tidal zone, in accordance with Env-Wt 606.05(b).
6. Tidal docking construction shall be done in accordance with the standard conditions in Env-Wt 307.
7. Heavy equipment shall not be operated in any jurisdictional area unless specifically authorized by this permit, in accordance with Env-Wt 307.15(a).
8. In accordance with Env-Wt 307.03(h), equipment shall be staged and refueled outside of jurisdictional areas and in accordance with Env-Wt 307.15.

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

9. In accordance with Env-Wt 307.03(g)(1), the person in charge of construction equipment shall inspect such equipment for leaking fuel, oil, and hydraulic fluid each day prior to entering surface waters or wetlands or operating in an area where such fluids could reach groundwater, surface waters, or wetlands.
10. In accordance with Env-Wt 307.03(g)(2), the person in charge of construction equipment shall repair any leaks prior to using the equipment in an area where such fluids could reach groundwater, surface waters, or wetlands.
11. In accordance with Env-Wt 307.03(g)(3) and (4), the person in charge of construction equipment shall maintain oil spill kits and diesel fuel spill kits, as applicable to the type(s) and amount(s) of oil and diesel fuel used, on site so as to be readily accessible at all times during construction; and train each equipment operator in the use of the spill kits.

EXPLANATION

NHDES approved this project on November 04, 2022. NHDES supported its decision with the following findings:

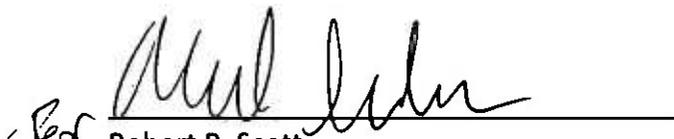
1. This project is classified as a major project per Rule Env-Wt 606.17(a)(1), for all new overwater structure construction in tidal waters/wetlands.
2. On July 18, 2022, the Department received correspondence from the NH Fish and Game Department (NHFG) dated June 6, 2022, stating that provided the construction is performed during the federal dredge window between November 15 - March 15, they do not anticipate impacts to protected anadromous fish species that commonly migrate through this area of Little Bay.
3. On July 18, 2022, the Department received correspondence from the Natural Heritage Bureau (NHB) dated June 15, 2022, stating that they are "satisfied with the efforts [made by the applicant] to provide adequate ambient light transmission under the docking structure extension to allow for the maintenance of any vegetation that may be present within the [identified exemplary natural community]."
4. NHDES finds that the project as approved and conditioned will not have an unreasonable adverse impact on the value of such areas as sources of nutrients for finfish, crustacea, shellfish and wildlife of significant value, nor will it damage or destroy habitats and reproduction areas for plants, fish and wildlife of importance.
5. On July 27, 2022, the Department received correspondence from the Durham Conservation Commission stating, "The Durham Conservation Commission has no concerns with the application. "
6. On July 8, 2022, the applicant obtained a statement from the Pease Development Authority, Division of Ports and Harbors regarding the projects impact on navigation and passage stating, "[w]e examined the proposed site and found that the structure will have no negative effect on navigation in the channel," per Rule Env-Wt 603.09.
7. Per Rule Env-Wt 313.01(a)(5), and as required by RSA 482-A:11, II, this permit for work to dredge or fill will not 'infringe on the property rights or unreasonably affect the value or enjoyment of property of abutting owners'.
8. NHDES finds that the requirements for a public hearing, as established in RSA 482-A, do not apply as the project will not have a significant environmental impact, as defined in New Hampshire Administrative Rule Env-Wt 104.19, on the resources protected by RSA 482-A, and, is not of substantial public interest, as defined in New Hampshire Administrative Rule Env-Wt 104.32.

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and The Honorable Council
Page 3 of 3

9. The Department finds that the project as proposed and conditioned meets the requirements of RSA 482-A and the Wetlands Program Code of Administrative Rules Chapters Env-Wt 100-1000. No waivers of RSA 482-A or the Wetlands Program Code of Administrative Rules Chapters Env-Wt 100-1000 were requested or approved under this permit action.

NHDES Wetlands Bureau permit #2022-01663 application documents are enclosed for review by the Governor and the Executive Council in consideration of this request and in accordance with RSA 482-A:3, II(a), as it is a major project located in New Hampshire public waters.

We respectfully request your approval of this item.


Robert R. Scott
Commissioner



STANDARD DREDGE AND FILL WETLANDS PERMIT APPLICATION

Water Division/Land Resources Management
Wetlands Bureau

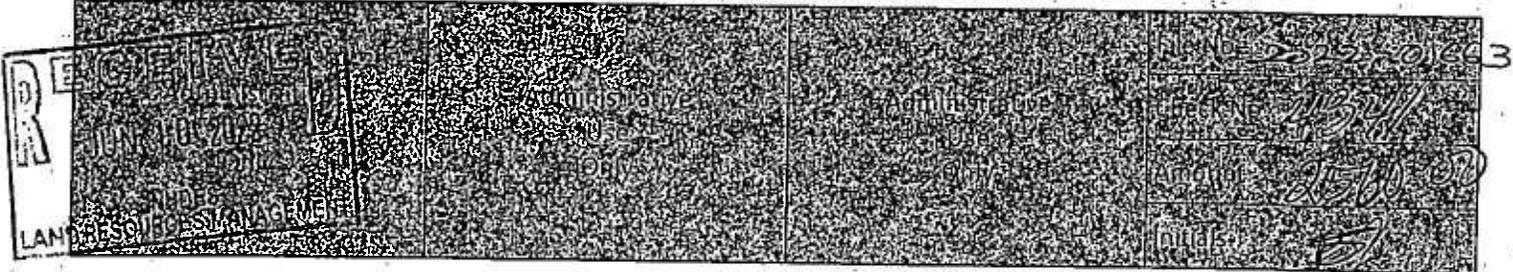


Check the Status of your Application

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

APPLICANT'S NAME: **Manisba P. Halderscheldt Rev. Trust**

TOWN NAME: **Durham**



A person may request a waiver of the requirements in Rules Env-Wt 100-900 to accommodate situations where strict adherence to the requirements would not be in the best interest of the public or the environment but is still in compliance with RSA 482-A. A person may also request a waiver of the standards for existing dwellings over water pursuant to RSA 482-A:26, III(b). For more information, please consult the Waiver Request Form.

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

Has the required planning been completed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Does the property contain a PRA? If yes, provide the following information:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> • Does the project qualify for an Impact Classification Adjustment (e.g. NH Fish and Game Department (NHF&G) and NHB agreement for a classification downgrade) or a Project-Type Exception (e.g. Maintenance or Statutory Permit-by-Notification (SPN) project)? See Env-Wt 407.02 and Env-Wt 407.04. 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • Protected species or habitat? <ul style="list-style-type: none"> ○ If yes, species or habitat name(s): sparsely vegetated intertidal system, Atlantic sturgeon (Acipenser oxyrinchus), shortnose sturgeon (Acipenser brevirostrum) ○ NHB Project ID #: 22-1320 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
• Bog?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
• Floodplain wetland contiguous to a tier 3 or higher watercourse?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
• Designated prime wetland or duly-established 100-foot buffer?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
• Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is the property within a Designated River corridor? If yes, provide the following information:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
• Name of Local River Management Advisory Committee (LAC):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

• A copy of the application was sent to the LAC on Month: <input checked="" type="checkbox"/> Day: <input checked="" type="checkbox"/> Year: <input checked="" type="checkbox"/> N/A	
For dredging projects, is the subject property contaminated? • If yes, list contaminant: <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there potential to impact impaired waters, class A waters, or outstanding resource waters?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No
For stream crossing projects, provide watershed size (see WPPT or Stream Stats): <input checked="" type="checkbox"/> N/A	

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

The project proposes a tidal docking structure extension consisting of a 4 x 70' fixed wood pier extension leading to a 10' x 40' gangway and a 10' x 40' float totaling 300 sq. ft. of permanent impact to tidal wetlands. Overall structure length will be 280' feet on 77 1/2 feet of frontage along Little Bay.

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

ADDRESS: <input checked="" type="checkbox"/> Cedar Point Road
TOWN/CITY: <input checked="" type="checkbox"/> Durham
TAX MAP/BLOCK/LOT/UNIT: <input checked="" type="checkbox"/> Map 12, Lot 13
US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME: <input checked="" type="checkbox"/> Little Bay
<input checked="" type="checkbox"/> N/A
(Optional) LATITUDE/LONGITUDE in decimal degrees (to five decimal places): <input checked="" type="checkbox"/> 42°20'10.63" North

West

SECTION 5 - APPLICANT (DESIRED PERMIT HOLDER) INFORMATION (Env. W. 311:04(a))
If the applicant is an individual, then complete with the trust or company information.

NAME: [REDACTED]

MAILING ADDRESS: _____

TOWN/CITY: _____ STATE: _____ ZIP CODE: _____

EMAIL ADDRESS: _____

FAX: [REDACTED] PHONE: _____

ELECTRONIC COMMUNICATION: By initialing here: [REDACTED], I hereby authorize NHDES to communicate all matters relative to this application electronically.

SECTION 5 - AUTHORIZED AGENT INFORMATION (Env. W. 311:04(c))

LAST NAME, FIRST NAME, M.I.: [REDACTED]

COMPANY NAME: [REDACTED]

MAILING ADDRESS: [REDACTED]

TOWN/CITY: [REDACTED] STATE: [REDACTED] ZIP CODE: [REDACTED]

EMAIL ADDRESS: [REDACTED]

FAX: [REDACTED] PHONE: [REDACTED]

ELECTRONIC COMMUNICATION: By initialing here: [REDACTED], I hereby authorize NHDES to communicate all matters relative to this application electronically.

SECTION 6 - PROPERTY OWNER INFORMATION (IF DIFFERENT THAN APPLICANT) (Env. W. 311:04(b))
If the owner is not the same as the company, then complete with the trust or company information.

NAME: [REDACTED]

MAILING ADDRESS: [REDACTED]

TOWN/CITY: [REDACTED] STATE: [REDACTED] ZIP CODE: [REDACTED]

EMAIL ADDRESS: [REDACTED]

FAX: [REDACTED] PHONE: [REDACTED]

ELECTRONIC COMMUNICATION: By initialing here: [REDACTED], I hereby authorize NHDES to communicate all matters relative to this application electronically.

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

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

Please see attached narrative

SECTION 8 - AVOIDANCE AND MINIMIZATION

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

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

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

SECTION 9 - MITIGATION REQUIREMENT (Env-Wt 311.02)

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

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

N/A - Mitigation is not required

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

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

N/A - Compensatory mitigation is not required

SECTION 7: IMPACT AREA (RSA 482-A:3)
 For all jurisdictional areas that will be/has been impacted, provide square feet (SF) and, if applicable, linear feet (LF) of impact, and note whether the impact is after the fact (ATF). If work was started or completed, provide the start and end dates. For intermittent and ephemeral streams, the linear footage of impact is measured along the thread of the channel. For perennial streams, the linear footage of impact is measured along the thread of the channel. For banks, the linear footage of impact is calculated by summing the lengths of disturbances to the channel and banks. Permanent impacts are impacts that will remain after the project is complete (e.g. changes in grade or surface materials). Temporary impacts are impacts not intended to remain (and will be restored to pre-construction conditions) after the project is completed.

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

SECTION 7: APPLICATION FEE (RSA 482-A:3)

<input checked="" type="checkbox"/> MINIMUM IMPACT FEE: Flat fee of \$400.
<input checked="" type="checkbox"/> NON-ENFORCEMENT RELATED, PUBLICLY-FUNDED AND SUPERVISED RESTORATION PROJECTS, REGARDLESS OF IMPACT CLASSIFICATION: Flat fee of \$400 (refer to RSA 482-A:3, 1(c) for restrictions).
<input checked="" type="checkbox"/> MINOR OR MAJOR IMPACT FEE: Calculate using the table below:
Permanent and temporary (non-docking): 100 SF × \$0.40 = \$ 40
Seasonal docking structure: 50 SF × \$2.00 = \$ 100
Permanent docking structure: 20 SF × \$4.00 = \$ 80
Projects proposing shoreline structures (including docks) add \$400 = \$ 400
Total = \$ 580
The application fee for minor or major impact is the above calculated total or \$400, whichever is greater = \$ 580

SECTION 13 - PROJECT CLASSIFICATION (Env-Wt 306.05)
 Indicate the project classification

<input type="checkbox"/> Minimum Impact Project	<input type="checkbox"/> Minor Project	<input checked="" type="checkbox"/> Major Project
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SECTION 14 - REQUIRED CERTIFICATIONS (Env-Wt 311.11)

Initial each box below to certify:

Initials: <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	To the best of the signer's knowledge and belief, all required notifications have been provided.
--	--

Initials: <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	The information submitted on or with the application is true, complete, and not misleading to the best of the signer's knowledge and belief.
--	--

Initials: <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	The signer understands that: <ul style="list-style-type: none"> The submission of false, incomplete, or misleading information constitutes grounds for NHDES to: <ol style="list-style-type: none"> Deny the application. Revoke any approval that is granted based on the information. If the signer is a certified wetland scientist, licensed surveyor, or professional engineer licensed to practice in New Hampshire, refer the matter to the joint board of licensure and certification established by RSA 310-A:1. The signer is subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641. The signature shall constitute authorization for the municipal conservation commission and the Department to inspect the site of the proposed project, except for minimum impact forestry SPN projects and minimum impact trail projects, where the signature shall authorize only the Department to inspect the site pursuant to RSA 482-A:6, II.
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Initials: <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	If the applicant is not the owner of the property, each property owner signature shall constitute certification by the signer that he or she is aware of the application being filed and does not object to the filing.
--	---

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

SIGNATURE (OWNER): 	PRINT NAME LEGIBLY: 	DATE:
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER): 	PRINT NAME LEGIBLY: 	DATE:
SIGNATURE (AGENT, IF APPLICABLE): <i>Steven D. Riker</i>	PRINT NAME LEGIBLY: Steven D. Riker	DATE: 5/28/2022

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

As required by RSA 482-A:3, I(a)(1), I hereby certify that the applicant has filed four application forms, four detailed plans, and four USGS location maps with the town/city indicated below.

TOWN/CITY CLERK SIGNATURE: 	PRINT NAME LEGIBLY: Rachel M. Deane, Deputy
TOWN/CITY: <u>Durham</u>	DATE: <u>5/31/2022</u>

17 August, 2017

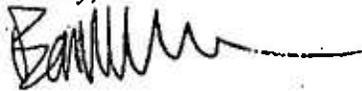
To Whom It May Concern

RE: New Hampshire Department of Environmental Services Application for residential site re-development for Manisha P. Heiderscheidt 2010 Revocable Trust, 32 Cedar Point Road, Durham, NH.

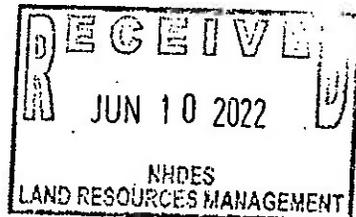
This letter is to inform the New Hampshire Department of Environmental Services and the Town of Durham, in accordance with State Law that Ambit Engineering is authorized to represent me as my agent in the approval process.

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

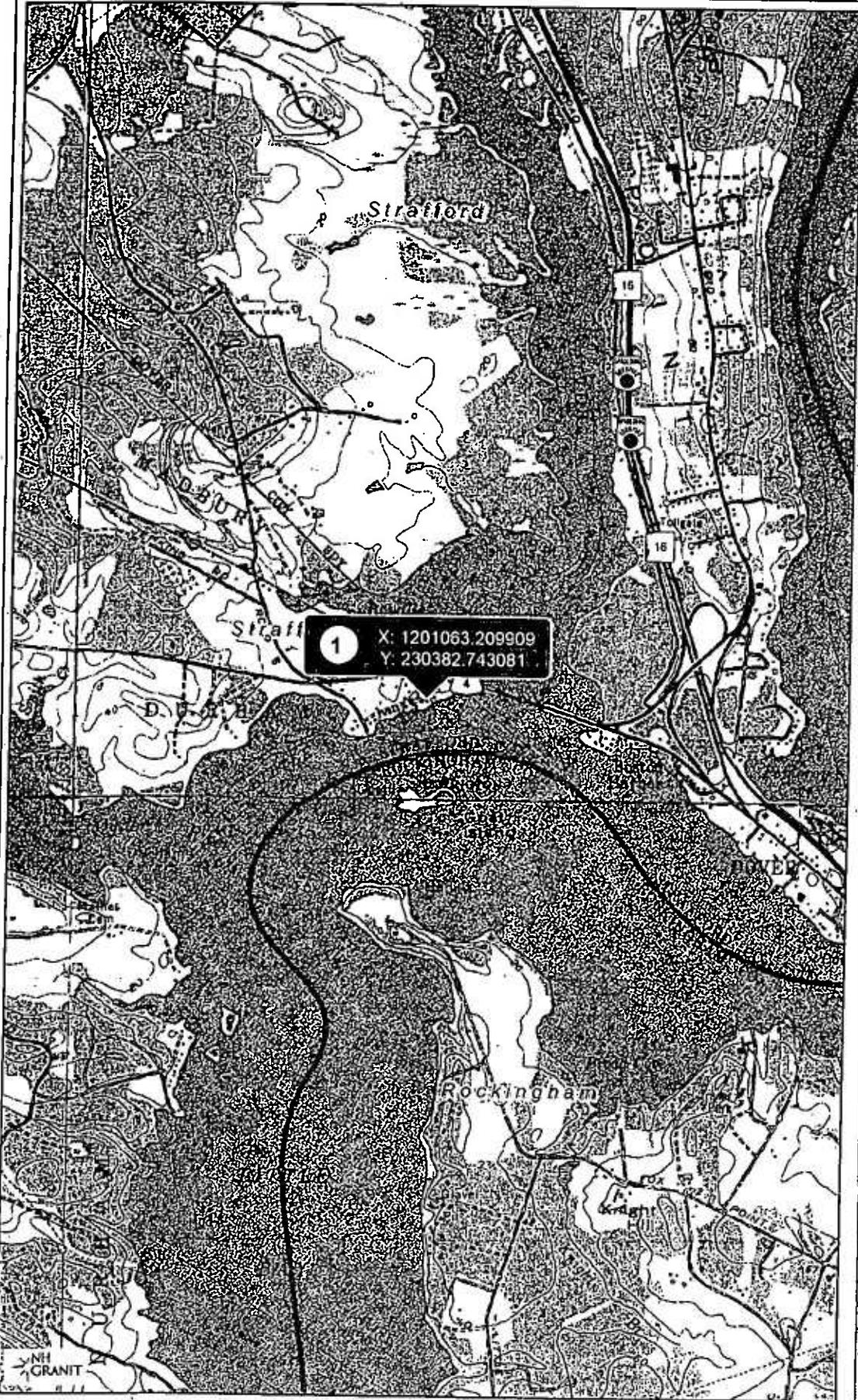
Sincerely,



**Benedict G. & Manisha P. Heiderscheidt, Trustees
Manisha P. Heiderscheidt 2010 Revocable Trust**

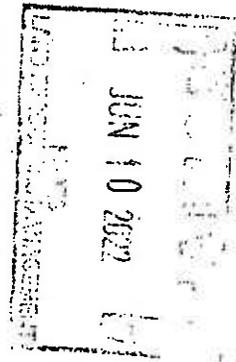


Map by NH GRANIT



Legend

- State
- County
- City/Town



Map Scale

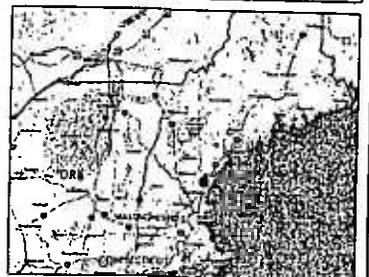
1: 25,977



© NH GRANIT, www.granit.unh.edu

Map Generated: 8/17/2017

Notes





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



Robert R. Scott, Commissioner

This application contains confidential information from the NH Natural Heritage Bureau (NHB) Datacheck tool provided by the NH Department of Natural and Cultural Resources, NHB. This information is being withheld from disclosure to the public.

Please direct all questions regarding the confidential information to Pamela G. Monroe, Legal Unit Administrator, NH Department of Environmental Services, at: pamela.g.monroe@des.nh.gov, or (603) 271-3137.



Durham Conservation Commission

Town of Durham

8 Newmarket Road

Durham, NH 03824-2898

Phone (603) 868-8064

mbehrendt@ci.durham.nh.us

www.ci.durham.nh.us

Ms. Kristin Duclos
New Hampshire Department of Environmental Services – Wetlands Bureau
P.O. Box 95
Concord, NH 03302-0095

Re: Wetlands Application – 32 Cedar Point Road Dock Extension

Dear Ms. Duclos,

The Durham Conservation Commission reviewed the Standard Dredge and Fill Permit application for extension of a dock at 32 Cedar Point Road in Durham, NH at its meeting on July 25, 2022.

The Durham Conservation Commission has no concerns with the application. Please feel free to contact me if you have any questions.

Sincerely,

Michael Behrendt
Town Planner
Town of Durham

cc: Steve Riker, Ambit Engineering

RECEIVED

JUL 27 2022

ENVIRONMENTAL SERVICES
"BY NH DES WETLANDS BUREAU"

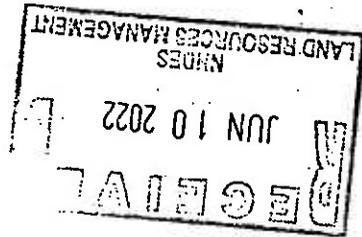
ABUTTER'S LIST

JN 2552.16

Client: Manisha P. Heiderscheidt 2010 Revocable Trust

Project Address: 32 Cedar Point Road, Dover, NH

MAP	LOT	NAME(S)	PO BOX	STREET ADDRESS	CITY/STATE/ZIP
12	1-10	Thomas J. Fleming & Deborah A. Masse			
12	1-6	Craig S. Harris			



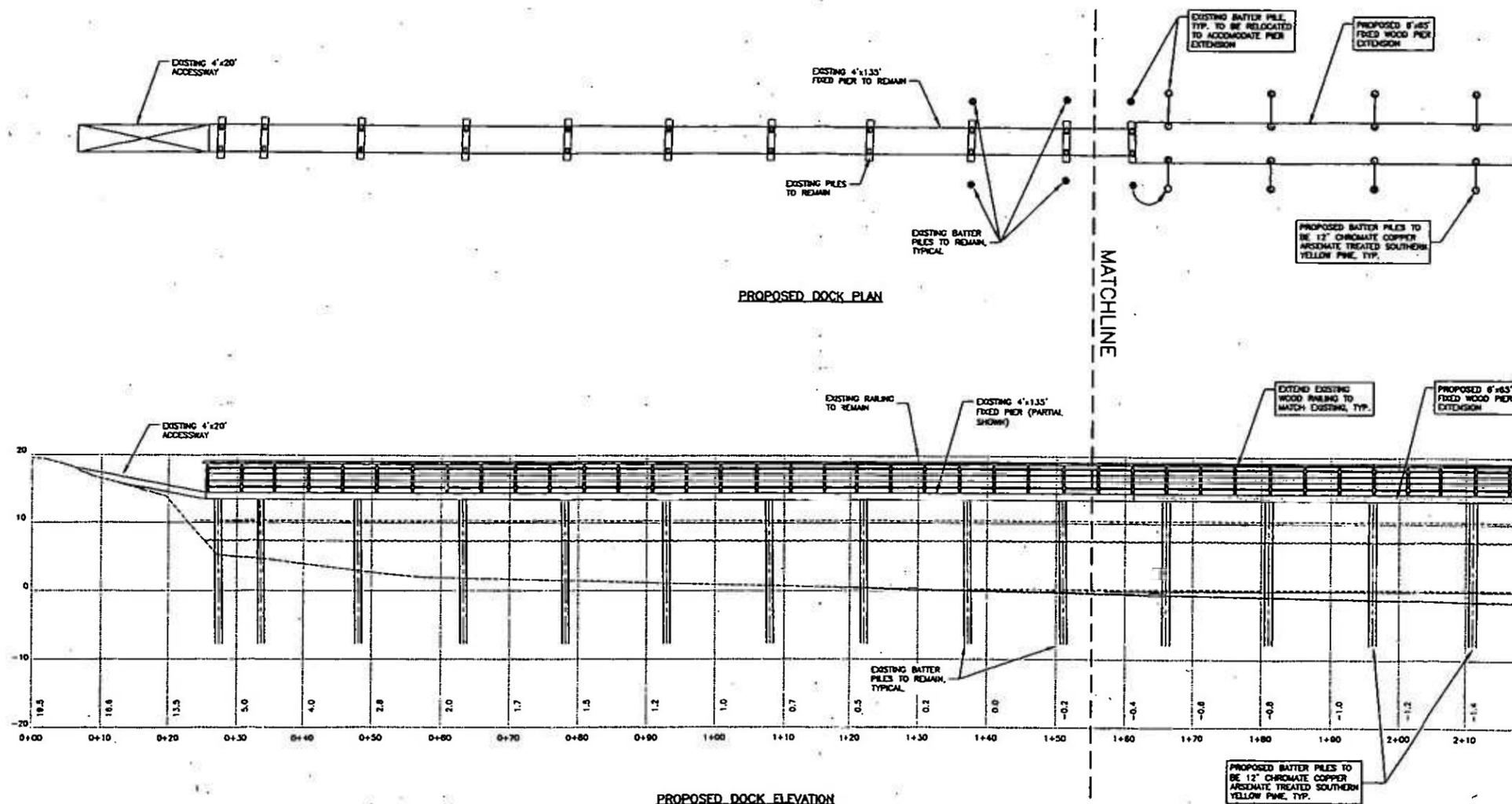


AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors

888 Griffin Road - Suite 3
Perth Amboy, N.J. 08861-7114
Tel (803) 430-9282
Fax (803) 430-2315

NOTES:

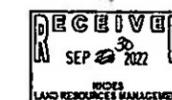
- 1) THE CONTRACTOR SHALL NOTIFY DIG SAFE AT 1-888-DIG-SAFE (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY WITHIN 100 FEET OF UNDERGROUND UTILITIES. THE EXCAVATOR IS RESPONSIBLE TO MAINTAIN MARKS. DIG SAFE TICKETS EXPIRE IN THIRTY DAYS.
- 2) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVEGROUND OR UNDERGROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE OWNER. UTILITY CONFLICTS SHOULD BE REPORTED AT ONCE TO THE DESIGN ENGINEER.
- 3) CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE "NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 3, EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION." (NHDES DECEMBER 2008).
- 4) VERTICAL DATUM IS NAVD88 MEAN LOWER LOW WATER (MLLW). BASIS OF VERTICAL DATUM IS NH00T BENCHMARK 133-0410. TRANSFORMATION FROM NAVD88 TO MLLW BASED ON NOAA STATION 8420411 DOVER, COCHECO RIVER, NEW HAMPSHIRE. MLLW BEING 3.93' LOWER THAN 0 NAVD88.



PROPOSED PIER, GANGWAY & FLOAT w/ PILES

SCALE: 1" = 10'

GRAPHIC SCALE



**TIDAL DOCK EXTENSION
HEIDERSCHIEDT
RESIDENCE
32 CEDAR POINT ROAD
DURHAM, N.H.**

NO.	DESCRIPTION	DATE
1	REV. FIXED PIER & GANGWAY DIMENSIONS	9/28/22
0	ISSUED FOR COMMENT	4/28/22

REVISIONS



SCALE 1"=10'

APRIL 2022

DOCK
DETAILS

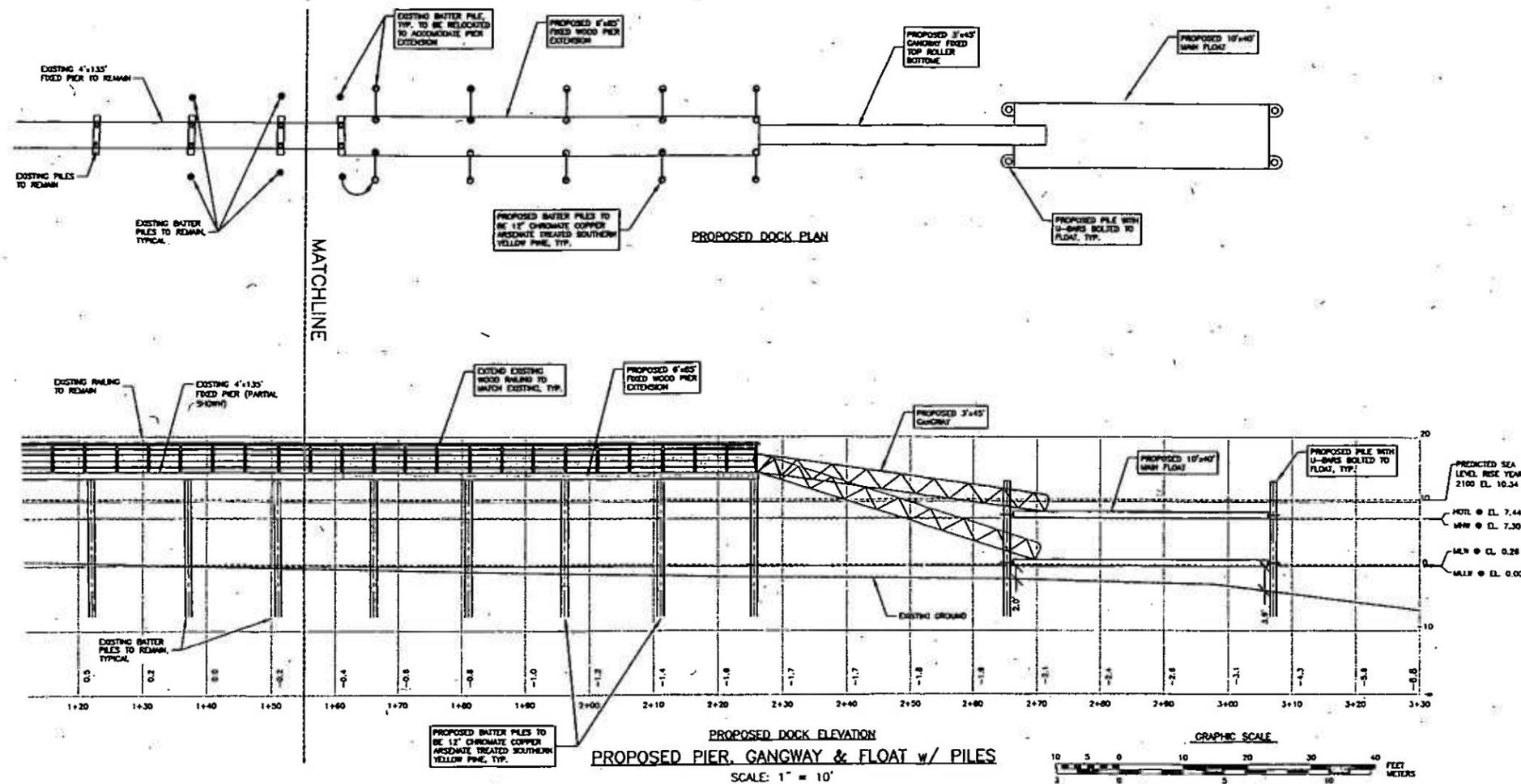
D1



AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
800 Grifth Road - Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 436-8282
Fax (603) 436-2318

NOTES:

- 1) THE CONTRACTOR SHALL NOTIFY DIG SAFE AT 1-888-DIG-SAFE (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY WITHIN 100 FEET OF UNDERGROUND UTILITIES. THE EXCAVATOR IS RESPONSIBLE TO MAINTAIN MARKS. DIG SAFE TICKETS EXPIRE IN THIRTY DAYS.
- 2) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVEGROUND OR UNDERGROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE OWNER. UTILITY CONFLICTS SHOULD BE REPORTED AT ONCE TO THE DESIGN ENGINEER.
- 3) CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 3, EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION. (NHDES, DECEMBER 2008).
- 4) VERTICAL DATUM IS NAVD83 MEAN LOWER LOW WATER (MLLW). BASIS OF VERTICAL DATUM IS H-HOT BENCHMARK 133-0410. TRANSFORMATION FROM NAVD83 TO MLLW, BASED ON NOAA STATION 8420411 DOVER, COCHECO RIVER, NEW HAMPSHIRE, MLLW BEING 3.93' LOWER THAN 0 NAVD83.



SEQUENCE OF CONSTRUCTION

- 1) MOBILIZATION OF A CRANE BARGE, PUSH BOAT, WORK SKIFF, MATERIALS AND PREPARATION OF 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 WATERWAYS 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. PILING 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. PERMITTEES 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 DRAW 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 (C3 PFD), 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 CORP AND INDICES AUTHORIZATION. SIMILARLY, NOT USING MATS DURING FROZEN, DRY OR OTHER CONDITIONS MAY BE ALLOWED WITH WRITTEN CORP AND INDICES AUTHORIZATION. AN ADEQUATE SUPPLY OF SPILL CONTAINMENT EQUIPMENT SHALL BE MAINTAINED ON SITE. CONDUIT BOARDS AND SWAMP CONSTRUCTION MATS ARE CONSIDERED AS FILL WHETHER THEY'RE INSTALLED TEMPORARILY OR PERMANENTLY.

TIME OF YEAR WORK WINDOW AND NOISE RESTRICTIONS

- 1) PILES INSTALLED IN THE DRY DURING LOW WATER OR IN-WATER BETWEEN NOVEMBER 15TH - MARCH 15TH, OR MUST BE DRILLED AND PILED 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/DAY WITH THE FOLLOWING: WOOD PILES OF ANY SIZE, CONCRETE PILES #18-INCHES DIAMETER, STEEL PILES 12-INCHES DIAMETER IF THE HAMMER IS <3000 LBS. AND A WOOD CUSHION IS USED BETWEEN THE HAMMER AND STEEL PILE.
- FOR 8-HR ABOVE:
- 1) IN-WATER NOISE LEVELS SHALL NOT >187dB SEL RE 6 1/4" OR 208dB PEAK RE 6 1/4" AT A DISTANCE >10M FROM THE PILE BEING INSTALLED, AND
 - 2) IN-WATER NOISE LEVELS >155dB PEAK RE 6 1/4" 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 6 1/4") MUST BE PROVIDED BETWEEN WORK DAYS.

WORK SITE RESTORATION

- 0) UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED WETLAND AREAS SHALL BE PROPERLY STABILIZED. ANY SOIL MUD SHALL CONTAIN ONLY PLANT SPECIES NATIVE TO NEW ENGLAND.
- 0) THE INTRODUCTION OR SPREAD OF INVASIVE PLANT SPECIES IN DISTURBED AREAS IS PROHIBITED.
- 0) 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.
- 0) 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 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 PILED CONSTRUCTION VEGETATION 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 RETURN SEDIMENT ON-SITE DURING AND AFTER CONSTRUCTION. THEY SHALL BE CAPABLE OF PREVENTING EROSION, OF COLLECTING SEDIMENT, SUSPENDED AND FLOATING MATERIALS, AND OF FLOTTING THE 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 RESTRICTIONS

DISCHARGES OF DREDGED OR FILL MATERIAL AND/OR SUSPENDED SEDIMENT PRODUCING ACTIVITIES IN FISH AND SHELLFISH SPAWNING OR NURSERY AREAS, OR AUPHAWK AND WINTERBIRD 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 MICHIGAN-STATE'S FISHERY CONSERVATION AND MANAGEMENT ACT (I.E. DTH FOR SPAWNING ADULTS) CAN BE OBTAINED FROM THE HAF'S WEBSITE AT: WWW.HAF.MICHIGAN.COM/HAF.

STORAGE OF SEASONAL STRUCTURES

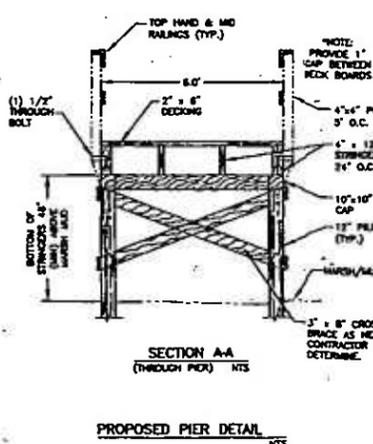
COASTAL STRUCTURES SUCH AS PIER SECTIONS, FLOATS, ETC. THAT ARE REMOVED FROM THE WATERWAY FOR A PORTION OF THE YEAR (OFTEN REFERRED TO AS SEASONAL STRUCTURES) SHALL BE STORED IN AN UPLAND LOCATION, LOCATED ABOVE HIGHEST OBSERVABLE TIDE LINE (HOTL) AND NOT IN TIDAL WETLANDS. THESE SEASONAL STRUCTURES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

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) PROTECT 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.US/CE/LAND/REGULATORY/](http://www.nh.us/ce/land/REGULATORY/) FOR CONTROL METHODS.

INSPECTIONS

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



**TIDAL DOCK EXTENSION
HEIDERSCHIEDT
RESIDENCE
32 CEDAR POINT ROAD
DURHAM, N.H.**

NO.	DESCRIPTION	DATE
1	REV. FIXED PIER & GANGWAY DIMENSIONS	9/28/22
0	ISSUED FOR COMMENT	4/28/22

REVISIONS

SCALE 1"=10' APRIL 2022

DOCK DETAILS **D2**