



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

**Robert R. Scott, Commissioner**



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August 26, 2025

Her Excellency, Governor Kelly A. Ayotte  
and The Honorable Council  
State House  
Concord, NH 03301

**REQUESTED ACTION**

Approve Mary O'Reilly and Janet Shultz's request to perform the following work on Pomeroy Cove in Dover pursuant to NH Department of Environmental Services (NHDES) Wetlands Bureau permit #2023-01761, and in accordance with RSA 482-A:3. No comments were submitted by the Dover Conservation Commission regarding the project as proposed.

Impact 17 square feet (SF) of previously developed upland tidal buffer zone and 476 SF of tidal wetland and tidal waters to remove an existing pier and construct a tidal docking structure consisting of a 1.5 foot by 15 foot wooden access ramp connected to a permanent 4 foot by 60 foot fixed pier connected to a 3 foot by 40 foot seasonal ramp connected to a 10 foot by 11 foot seasonal float with float stops. The overall length of this docking structure, seaward of the mean high tide line, is 117 feet on 21 feet of frontage along the Piscataqua River in Dover.

NHDES imposed the following conditions as part of this approval:

1. All work shall be done in accordance with the approved plan sheets dated June 14, 2023, and revised through July 17, 2025, by TF Moran, Inc., and received by the NH Department of Environmental Services (NHDES) on July 17, 2025, 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. No watercraft shall be secured to this docking facility in a manner that is prohibited by RSA 482-A:3, XIII, (b).
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. Piles shall be installed during low tide in dry conditions using a vibratory hammer. If piles cannot be installed during low tide in dry conditions, then all work shall occur between November 15 and March 15, to protect anadromous fish as required by Env-Wt 307.06.
7. Tidal docking construction shall be done in accordance with the standard conditions in Env-Wt 307.

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(603) 271-3503 • Fax: (603) 271-2867 • TDD Access: Relay NH 1-800-735-2964

8. Heavy equipment shall not be operated in any jurisdictional area unless specifically authorized by this permit, in accordance with Env-Wt 307.15(a).
9. 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.
10. 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.
11. 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.
12. 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.
13. This dock shall be subject to removal action if, at a future date, verifiable owners of the 40 foot wide right of way to the east object to the docking structure's encroachment on the 20 foot setback to property lines established in RSA 482-A:3, XIII, or can show that the structure adversely impacts the use and enjoyment of their property rights in accordance with RSA 482-A:11, II.

#### EXPLANATION

NHDES approved this project on July 24, 2025. 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), covering all new overwater structure construction in tidal waters/wetlands.
2. The Applicant has provided documentation from the City of Dover indicating there are no identifiable owners of the 40 foot wide right of way abutting the Applicant to the east that could be notified, or could provide, the waiver of the 20 foot setback for the proposed dock to the property line as required pursuant to RSA 482-A:3, XIII.
3. On June 30, 2023, NHDES received correspondence from the NH Fish and Game Department (NHF&G) dated June 8, 2023, received by NHDES on June 30, 2023, stating "[NHF&G] does not expect impacts to [protected species] from this project as described and has no further comments at this time"
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. No comments were received by NHDES from the Dover Conservation Commission about this application.
6. On June 5, 2023, 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. On June 27, 2025, the NHDES received notarized written consent, signed by the property owner and the affected abutting property owner to the west, owning the property identified as Dover Tax Map L, Lot 58-N, authorizing the boat docking facility to be located closer than 20 feet from their property line as required in accordance with RSA 482-A:3, XIII,(c).
8. There is no evidence available to NHDES indicating that the proposed structure will 'infringe on the property rights or unreasonably affect the value or enjoyment of property of abutting owners' and thus, would be prohibited by RSA 482-A:11, II.
9. 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.
10. NHDES has determined that the location of the highest observable tide line along the Applicant's frontage is not accurately depicted on the plans submitted with the application. However, the circumstances of this specific project and location are such that the failure to accurately locate this feature on the plans does not preclude NHDES' ability to evaluate the project and determine that the intent and purpose of RSA 482-A has been met.

NHDES Wetlands Bureau permit #2023-01761 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: **Betsy O'Reilly**

TOWN NAME: **Dover**

	Administrative Use Only	Administrative Use Only	File No.: <b>2023-01761</b>
	Administrative Use Only	Administrative Use Only	Check No.: <b>10074</b>
	Administrative Use Only	Administrative Use Only	Amount: <b>3488-</b>
	Administrative Use Only	Administrative Use Only	Initials:

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](#).

<b>SECTION 1 - REQUIRED PLANNING FOR ALL PROJECTS (Env-Wt 306.05; RSA 482-A:3, I(d)(2))</b> Please use the <a href="#">Wetland Permit Planning Tool (WPPT)</a> , the Natural Heritage Bureau (NHB) <a href="#">DataCheck Tool</a> , the <a href="#">Aquatic Restoration Mapper</a> , or other sources to assist in identifying key features such as: <a href="#">priority resource areas (PRAs)</a> , <a href="#">protected species or habitats</a> , 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"> <li>Does the project qualify for an Impact Classification Adjustment (e.g. NH Fish and Game Department (NHF&amp;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.</li> </ul>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> <li>Protected species or habitat?                             <ul style="list-style-type: none"> <li>If yes, species or habitat name(s): <span style="background-color: black; color: black;">[REDACTED]</span></li> <li>NHB Project ID #: <span style="background-color: black; color: black;">[REDACTED]</span></li> </ul> </li> </ul>	<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 type="checkbox"/> Yes <input checked="" 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
<ul style="list-style-type: none"> <li>Name of Local River Management Advisory Committee (LAC): <span style="background-color: black; color: black;">[REDACTED]</span></li> </ul>	

<ul style="list-style-type: none"> <li>A copy of the application was sent to the LAC on Month: <input type="text"/> Day: <input type="text"/> Year: <input type="text"/></li> </ul>	
<p>For dredging projects, is the subject property contaminated?</p> <ul style="list-style-type: none"> <li>If yes, list contaminant: N/A</li> </ul>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>Is there potential to impact impaired waters, class A waters, or outstanding resource waters?</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<p>For stream crossing projects, provide watershed size (see <a href="#">WPPT</a> or Stream Stats): N/A</p>	
<p><b>SECTION 2 - PROJECT DESCRIPTION (Env-Wt 311.04(i))</b> 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.</p>	
<p>Permanently impact 1,054 square feet of Tidal Waters and 158 square feet of the Previously Developed Upland Tidal Buffer Zone for the purpose of constructing a new Residential Tidal Docking Structure including a permanent pier and a seasonal gangway and float.</p>	
<p><b>SECTION 3 - PROJECT LOCATION</b> Separate wetland permit applications must be submitted for each municipality within which wetland impacts occur.</p>	
<p>ADDRESS: 11 Cote Drive</p>	
<p>TOWN/CITY: Dover</p>	
<p>TAX MAP/BLOCK/LOT/UNIT: Tax Map: L, Lot: 58-N</p>	
<p>US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME: Pomeroy Cove <input type="checkbox"/> N/A</p>	
<p>(Optional) LATITUDE/LONGITUDE in decimal degrees (to five decimal places):      43.12782° North  <span style="float: right;">70.83519° West</span></p>	

<b>SECTION 4 - APPLICANT (DESIRED PERMIT HOLDER) INFORMATION (Env-Wt 311.04(a))</b>			
If the applicant is a trust or a company, then complete with the trust or company information.			
NAME: Mary E. O'Reilly & Janet L. Shultz			
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.			
<b>SECTION 5 - AUTHORIZED AGENT INFORMATION (Env-Wt 311.04(c))</b>			
<input type="checkbox"/> N/A			
LAST NAME, FIRST NAME, M.I.: Brigagliano, Vincent, P.			
COMPANY NAME: TFMoran, Inc.			
MAILING ADDRESS: 170 Commerce Way, Suite 102			
TOWN/CITY: Portsmouth		STATE: NH	ZIP CODE: 03801
EMAIL ADDRESS: vbrigagliano@tfmoran.com			
FAX: [REDACTED]		PHONE: 603-431-2222	
ELECTRONIC COMMUNICATION: By initialing here VPB, I hereby authorize NHDES to communicate all matters relative to this application electronically.			
<b>SECTION 6 - PROPERTY OWNER INFORMATION (IF DIFFERENT THAN APPLICANT) (Env-Wt 311.04(b))</b>			
If the owner is a trust or a company, then complete with the trust or company information.			
<input checked="" type="checkbox"/> Same as applicant			
NAME: [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 supplemental information entitled, "Section 7 - Resource Specific Criteria."

**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

[lrn@des.nh.gov](mailto:lrn@des.nh.gov) or (603) 271-2147

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

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

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

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

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

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

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

JURISDICTIONAL AREA		PERMANENT			TEMPORARY		
		SF	LF	ATF	SF	LF	ATF
Wetlands	Forested Wetland			<input type="checkbox"/>			<input type="checkbox"/>
	Scrub-shrub Wetland			<input type="checkbox"/>			<input type="checkbox"/>
	Emergent Wetland			<input type="checkbox"/>			<input type="checkbox"/>
	Wet Meadow			<input type="checkbox"/>			<input type="checkbox"/>
	Vernal Pool			<input type="checkbox"/>			<input type="checkbox"/>
	Designated Prime Wetland			<input type="checkbox"/>			<input type="checkbox"/>
	Duly-established 100-foot Prime Wetland Buffer			<input type="checkbox"/>			<input type="checkbox"/>
Surface Water	Intermittent / Ephemeral Stream			<input type="checkbox"/>			<input type="checkbox"/>
	Perennial Stream or River			<input type="checkbox"/>			<input type="checkbox"/>
	Lake / Pond			<input type="checkbox"/>			<input type="checkbox"/>
	Docking - Lake / Pond			<input type="checkbox"/>			<input type="checkbox"/>
	Docking - River			<input type="checkbox"/>			<input type="checkbox"/>
Banks	Bank - Intermittent Stream			<input type="checkbox"/>			<input type="checkbox"/>
	Bank - Perennial Stream / River			<input type="checkbox"/>			<input type="checkbox"/>
	Bank / Shoreline - Lake / Pond			<input type="checkbox"/>			<input type="checkbox"/>
Tidal	Tidal Waters	1,054		<input type="checkbox"/>	0		<input type="checkbox"/>
	Tidal Marsh			<input type="checkbox"/>			<input type="checkbox"/>
	Sand Dune			<input type="checkbox"/>			<input type="checkbox"/>
	Undeveloped Tidal Buffer Zone (TBZ)			<input type="checkbox"/>			<input type="checkbox"/>
	Previously-developed TBZ	158		<input type="checkbox"/>	0		<input type="checkbox"/>
	Docking - Tidal Water			<input type="checkbox"/>			<input type="checkbox"/>
<b>TOTAL</b>		<b>1,212</b>			<b>0</b>		

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

**MINIMUM IMPACT FEE:** Flat fee of \$400.

**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).

**MINOR OR MAJOR IMPACT FEE:** Calculate using the table below:

Permanent and temporary (non-docking):		SF	× \$0.40 = \$	
Seasonal docking structure:	364	SF	× \$2.00 = \$	728
Permanent docking structure:	690	SF	× \$4.00 = \$	2760
Projects proposing shoreline structures (including docks) add \$400 = \$				400
Total = \$				3,488

**The application fee for minor or major impact is the above calculated total or \$400, whichever is greater = \$ 3,488**

[lrn@des.nh.gov](mailto:lrn@des.nh.gov) or (603) 271-2147

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

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

**SECTION 13 - PROJECT CLASSIFICATION (Env-Wt 306.05)**

Indicate the project classification.

Minimum Impact Project     
  Minor Project     
  Major Project

**SECTION 14 - REQUIRED CERTIFICATIONS (Env-Wt 311.11)**

Initial each box below to certify:

Initials: <input type="checkbox"/> MO <input type="checkbox"/> VB	To the best of the signer's knowledge and belief, all required notifications have been provided.
Initials: <input type="checkbox"/> MO <input type="checkbox"/> VB	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"/> MO <input type="checkbox"/> VB	The signer understands that: <ul style="list-style-type: none"> <li>The submission of false, incomplete, or misleading information constitutes grounds for NHDES to:                         <ol style="list-style-type: none"> <li>Deny the application.</li> <li>Revoke any approval that is granted based on the information.</li> <li>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.</li> </ol> </li> <li>The signer is subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641.</li> <li>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.</li> </ul>
Initials: <input type="checkbox"/> MO <input type="checkbox"/> VB	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): <i>Mary O'Reilly</i>	PRINT NAME LEGIBLY: MARY O'Reilly	DATE: 
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER): 	PRINT NAME LEGIBLY: 	DATE: 
SIGNATURE (AGENT, IF APPLICABLE): <i>Vincent Brigagliano</i>	PRINT NAME LEGIBLY: Vincent Brigagliano	DATE: 06/26/2023

**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: <i>Susan Cristofolini</i>	PRINT NAME LEGIBLY: Susan Cristofolini
TOWN/CITY: Dover	DATE: 6/28/23

NHDES-W-06-012

**DIRECTIONS FOR TOWN/CITY CLERK:**

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

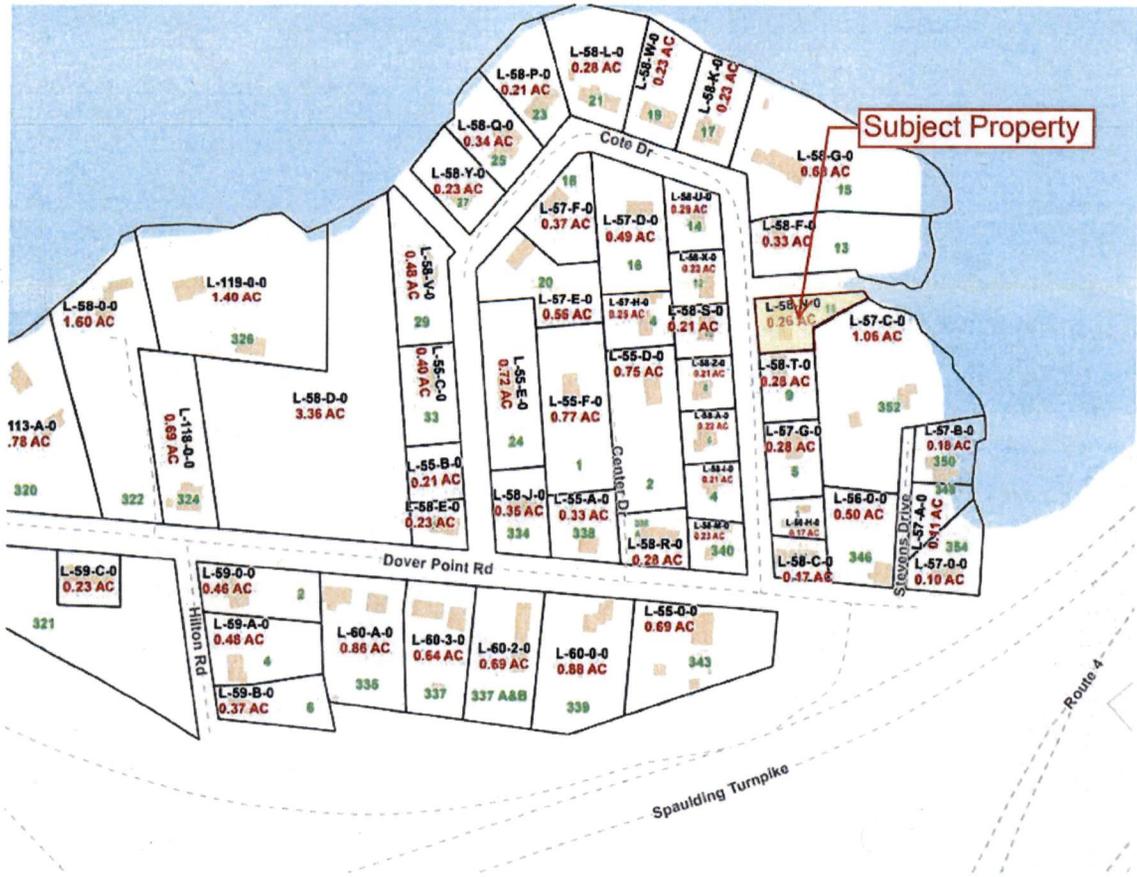
1. IMMEDIATELY sign the original application form and four copies in the signature space provided above.
2. Return the signed original application form and attachments to the applicant so that the applicant may submit the application form and attachments to NHDES by mail or hand delivery.
3. IMMEDIATELY distribute a copy of the application with one complete set of attachments to each of the following bodies: the municipal Conservation Commission, the local governing body (Board of Selectmen or Town/City Council), and the Planning Board.
4. Retain one copy of the application form and one complete set of attachments and make them reasonably accessible for public review.

**DIRECTIONS FOR APPLICANT:**

Submit the original permit application form bearing the signature of the Town/City Clerk, additional materials, and the application fee to NHDES by mail or hand delivery at the address at the bottom of this page. Make check or money order payable to "Treasurer -- State of NH".

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

# Dover, NH Tax Map

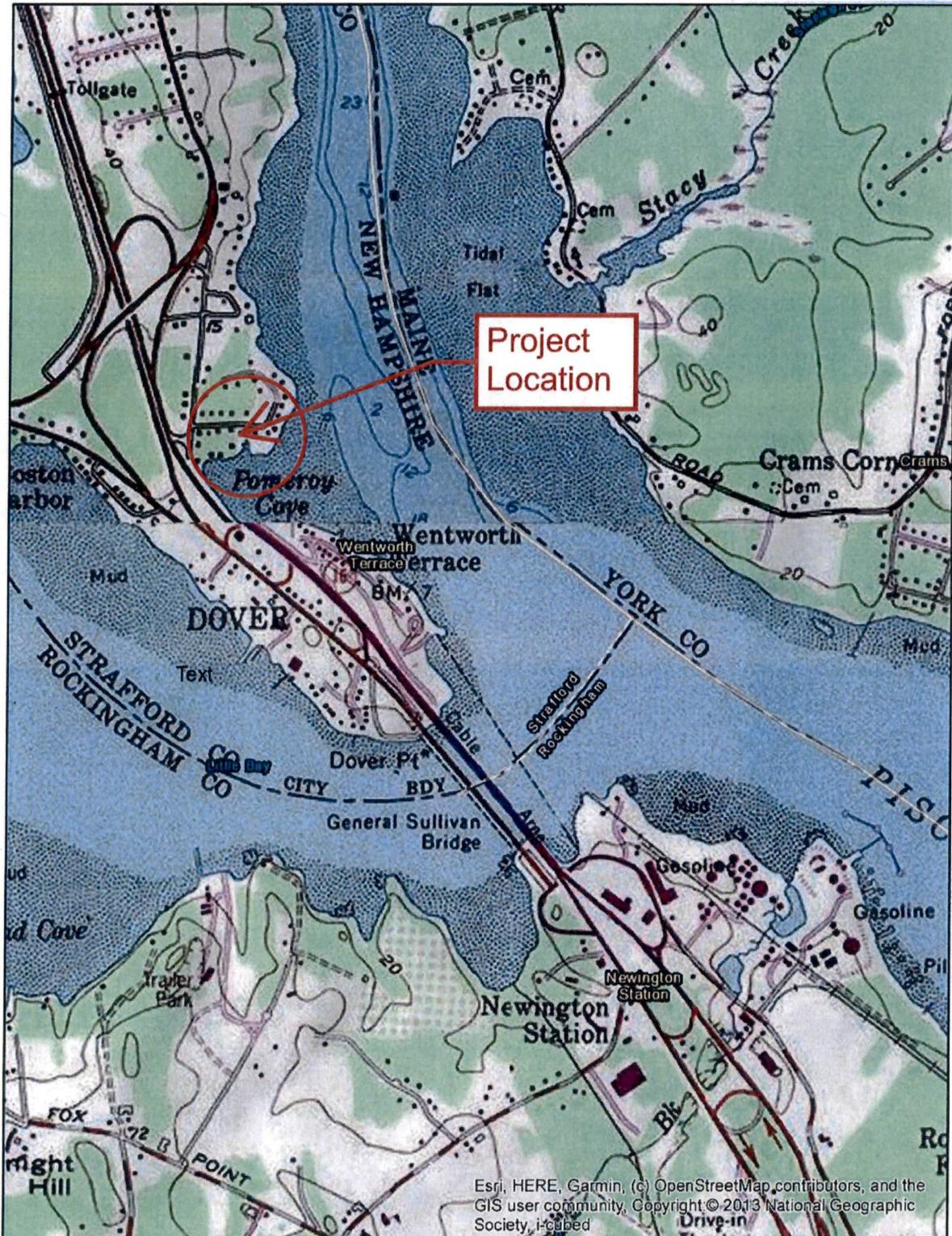


RECEIVED  
JUN 30 2023  
PLANNING & LAND RESOURCE MANAGEMENT

# USGS Maps - Project Location

Scale: 1:24,000

RECEIVED  
JUN 30 2023  
PLANS  
LAND RESOURCE MANAGEMENT



Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Copyright © 2013 National Geographic Society, i-cubed



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

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**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. This information is being withheld from disclosure to the public.

Please direct all questions regarding the confidential information to Courtney Lockwood, Land Resources Management Program Attorney, NH Department of Environmental Services, at: [courtney.l.lockwood@des.nh.gov](mailto:courtney.l.lockwood@des.nh.gov), or (603) 271-8614.



Civil Engineers  
 Structural Engineers  
 Traffic Engineers  
 Land Surveyors  
 Landscape Architects  
 Scientists

# Abutters List

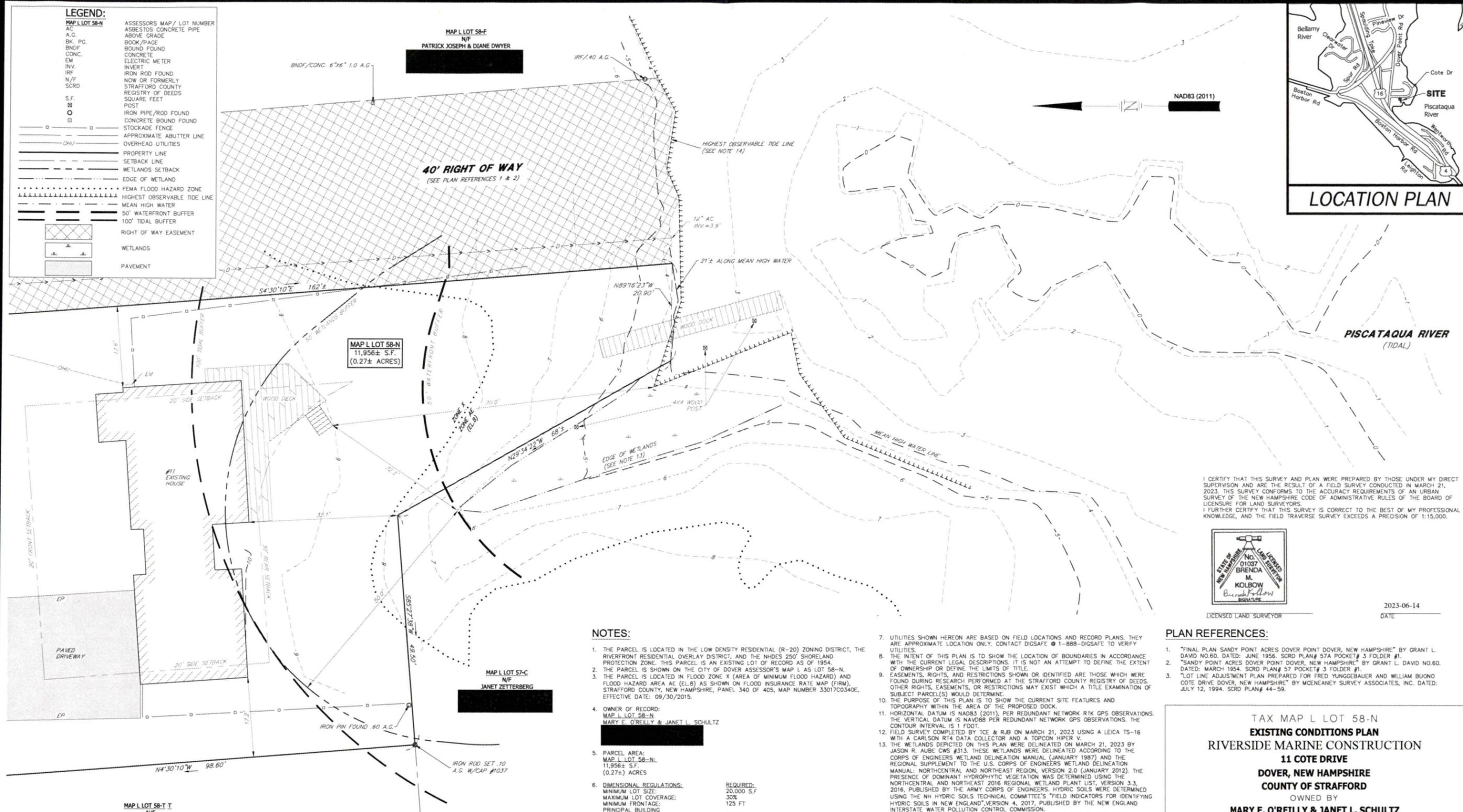
**Riverside Marine Construction**

March 3, 2023  
 47526-00

Assessors Map		Abutter Name	Mailing Address
Map	Lot		
L	58-N	MARY E. O'REILLY & JANET L. SCHULTZ	
L	57-C	JANET ZETTERBERG	
L	58-F	PATRICK JOSEPH & DIANE DWYER	
L	58-S	THELMA & ROBERT D. BRIGGS	
L	58-T	MARK S. ZEMGULIS	
L	58-X	SARA BOGUE	
L	58-Z	SARA BOGUE	
Civil Engineers / Surveyor		TFMoran, Inc.	
Environmental / Wetlands Scientist			
Architect			

**LEGEND:**

MAP L LOT 58-N	ASSESSORS MAP / LOT NUMBER
AC	ASBESTOS CONCRETE PIPE
A.G.	ABOVE GRADE
BK. PG.	BOOK/PAGE
BND/CONC.	BOUND FOUND CONCRETE
EM	ELECTRIC METER
INV.	INVERT
IRF	IRON ROD FOUND
N/F	NOW OR FORMERLY
SCRD	STRAFFORD COUNTY REGISTER OF DEEDS SQUARE FEET
S.F.	POST
□	IRON PIPE/ROD FOUND
□	CONCRETE BOUND FOUND
—	STOCKADE FENCE
—	APPROXIMATE ABUTTER LINE
—	OVERHEAD UTILITIES
—	PROPERTY LINE
—	SETBACK LINE
—	WETLANDS SETBACK
—	EDGE OF WETLAND
—	FEMA FLOOD HAZARD ZONE
—	HIGHEST OBSERVABLE TIDE LINE
—	MEAN HIGH WATER
—	50' WATERFRONT BUFFER
—	100' TIDAL BUFFER
—	RIGHT OF WAY EASEMENT
—	WETLANDS
—	PAVEMENT



I CERTIFY THAT THIS SURVEY AND PLAN WERE PREPARED BY THOSE UNDER MY DIRECT SUPERVISION AND ARE THE RESULT OF A FIELD SURVEY CONDUCTED IN MARCH 21, 2023. THIS SURVEY CONFORMS TO THE ACCURACY REQUIREMENTS OF AN URBAN SURVEY OF THE NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES OF THE BOARD OF LICENSURE FOR LAND SURVEYORS. I FURTHER CERTIFY THAT THIS SURVEY IS CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, AND THE FIELD TRAVERSE SURVEY EXCEEDS A PRECISION OF 1:15,000.



2023-06-14  
DATE

**NOTES:**

- THE PARCEL IS LOCATED IN THE LOW DENSITY RESIDENTIAL (R-20) ZONING DISTRICT, THE RIVERFRONT RESIDENTIAL OVERLAY DISTRICT, AND THE NHDES 250' SHORELAND PROTECTION ZONE. THIS PARCEL IS AN EXISTING LOT OF RECORD AS OF 1954.
- THE PARCEL IS SHOWN ON THE CITY OF DOVER ASSESSOR'S MAP L AS LOT 58-N.
- THE PARCEL IS LOCATED IN FLOOD ZONE X (AREA OF MINIMUM FLOOD HAZARD) AND FLOOD HAZARD AREA AC (EL.8) AS SHOWN ON FLOOD INSURANCE RATE MAP (FIRM), STRAFFORD COUNTY, NEW HAMPSHIRE, PANEL 340 OF 405, MAP NUMBER 33017C0340E, EFFECTIVE DATE: 09/30/2015.
- OWNER OF RECORD:  
MAP L LOT 58-N  
MARY E. O'REILLY & JANET L. SCHULTZ
- PARCEL AREA:  
MAP L LOT 58-N:  
11,956± S.F.  
(0.27±) ACRES
- DIMENSIONAL REGULATIONS:  
MINIMUM LOT SIZE: 20,000 S.F.  
MAXIMUM LOT COVERAGE: 30%  
MINIMUM FRONTAGE: 125 FT  
PRINCIPAL BUILDING:  
FRONT SETBACK: 20 FT MIN, 35 FT MAX\*  
ABUT A STREET SETBACK: 20 FT MIN, 35 FT MAX\*  
SIDE SETBACK: 20 FT  
REAR SETBACK: 30 FT  
OUTBUILDING/ACCESSORY USE:  
FRONT SETBACK: \*\*  
ABUT A STREET SETBACK: \*\*  
SIDE SETBACK: 10 FT  
REAR SETBACK: 10 FT  
BUILDING HEIGHT:  
PRINCIPAL BUILDING: 35 FT MAX.  
OUTBUILDING: 35 FT MAX.
- UTILITIES SHOWN HEREON ARE BASED ON FIELD LOCATIONS AND RECORD PLANS. THEY ARE APPROXIMATE LOCATION ONLY. CONTACT DIGSAFE ☎ 1-888-DIGSAFE TO VERIFY UTILITIES.
- THE INTENT OF THIS PLAN IS TO SHOW THE LOCATION OF BOUNDARIES IN ACCORDANCE WITH THE CURRENT LEGAL DESCRIPTIONS. IT IS NOT AN ATTEMPT TO DEFINE THE EXTENT OF OWNERSHIP OR DEFINE THE LIMITS OF TITLE.
- EASEMENTS, RIGHTS, AND RESTRICTIONS SHOWN OR IDENTIFIED ARE THOSE WHICH WERE FOUND DURING RESEARCH PERFORMED AT THE STRAFFORD COUNTY REGISTER OF DEEDS. OTHER RIGHTS, EASEMENTS, OR RESTRICTIONS MAY EXIST WHICH A TITLE EXAMINATION OF SUBJECT PARCEL(S) WOULD DETERMINE.
- THE PURPOSE OF THIS PLAN IS TO SHOW THE CURRENT SITE FEATURES AND TOPOGRAPHY WITHIN THE AREA OF THE PROPOSED DOCK.
- HORIZONTAL DATUM IS NAD83 (2011), PER REDUNDANT NETWORK RTK GPS OBSERVATIONS. THE VERTICAL DATUM IS NAVD88 PER REDUNDANT NETWORK GPS OBSERVATIONS. THE CONTOUR INTERVAL IS 1 FOOT.
- FIELD SURVEY COMPLETED BY TCE & RJB ON MARCH 21, 2023 USING A LEICA TS-16 WITH A CARLSON RT4 DATA COLLECTOR AND A TOPCON HIPER V.
- THE WETLANDS DEPICTED ON THIS PLAN WERE DELINEATED ON MARCH 21, 2023 BY JASON R. AUBE CWS #313. THESE WETLANDS WERE DELINEATED ACCORDING TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (JANUARY 1987) AND THE REGIONAL SUPPLEMENT TO THE U.S. CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH-CENTRAL AND NORTHEAST REGION, VERSION 2.0 (JANUARY 2012). THE PRESENCE OF DOMINANT HYDROPHYTIC VEGETATION WAS DETERMINED USING THE NORTH-CENTRAL AND NORTHEAST 2016 REGIONAL WETLAND PLANT LIST, VERSION 3.3, 2016, PUBLISHED BY THE ARMY CORPS OF ENGINEERS. HYDRIC SOILS WERE DETERMINED USING THE NH HYDRIC SOILS TECHNICAL COMMITTEE'S "FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND" VERSION 4, 2017, PUBLISHED BY THE NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION.
- THE HIGHEST OBSERVABLE TIDE LINE (HOTL) DEPICTED ON THIS PLAN WAS DETERMINED ON MARCH 31, 2023 BY QUALIFIED COASTAL PROFESSIONAL, JASON R. AUBE. THE HOTL WAS DETERMINED IN ACCORDANCE WITH THE NHDES WETLANDS BUREAU ADMINISTRATIVE RULES, UNDER ENG. WT 802.23, HIGHEST OBSERVABLE TIDE LINE MEANS A LINE DEFINING THE FARTHEST LANDWARD LIMIT OF TIDAL FLOW, NOT INCLUDING STORM EVENTS, THAT CAN BE RECOGNIZED BY INDICATORS SUCH AS THE PRESENCE OF A STRAND LINE OF FLOTSAM AND DEBRIS, THE LANDWARD MARGIN OF SALT-TOLERANT VEGETATION, OR A PHYSICAL BARRIER THAT BLOCKS INLAND FLOW OF THE TIDE.

\* - EXPANSIONS TO, OR RENOVATIONS OF, EXISTING STRUCTURES HAVE A TWENTY (20) FOOT SETBACK.  
\*\* - NO CLOSER THAN THE PRINCIPAL BUILDING OR 35 FEET WHICHEVER IS LESS.

**PLAN REFERENCES:**

- "FINAL PLAN SANDY POINT ACRES DOVER POINT DOVER, NEW HAMPSHIRE" BY GRANT L. DAVID NO.60, DATED: JUNE 1956, SCRD PLAN# 57A PCKET# 3 FOLDER #1.
- "SANDY POINT ACRES DOVER POINT DOVER, NEW HAMPSHIRE" BY GRANT L. DAVID NO.60, DATED: MARCH 1954, SCRD PLAN# 57 PCKET# 3 FOLDER #1.
- "LOT LINE ADJUSTMENT PLAN PREPARED FOR FRED YUNGGBAUER AND WILLIAM BUONO COTE DRIVE DOVER, NEW HAMPSHIRE" BY MCNEANEY SURVEY ASSOCIATES, INC. DATED: JULY 12, 1994, SCRD PLAN# 44-59.

TAX MAP L LOT 58-N  
**EXISTING CONDITIONS PLAN**  
**RIVERSIDE MARINE CONSTRUCTION**  
**11 COTE DRIVE**  
**DOVER, NEW HAMPSHIRE**  
**COUNTY OF STRAFFORD**  
OWNED BY  
**MARY E. O'REILLY & JANET L. SCHULTZ**

SCALE: 1" = 10' (22x34)  
1" = 20' (11x17) April 27, 2023

Seacoast Division  
**TFM**  
Civil Engineers  
Structural Engineers  
Traffic Engineers  
Land Surveyors  
Landscape Architects  
Scientists

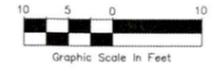
170 Commerce Way, Suite 102  
Portsmouth, NH 03801  
Phone (603) 431-2222  
Fax (603) 431-0910  
www.tfmoran.com

REV.	DATE	DESCRIPTION	DR	CK

47526-00	DR	RJB	FB	558	S-1
	CK	BAK	CADFILE	SEE MARGIN	

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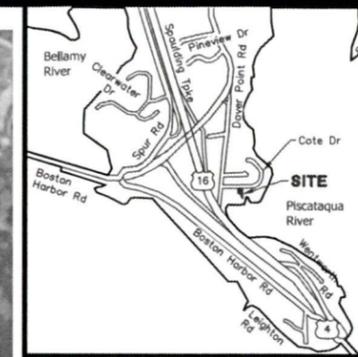


**WETLAND CLASSIFICATION**

PF01E	PALUSTRINE FORESTED BROAD-LEAVED DECIDUOUS, SEASONALLY FLOODED SATURATED
E2EM1N	ESTUARINE, INTERTIDAL, EMERGENT, PERSISTANT, REGULARLY FLOODED
E2US3N	ESTUARINE, INTERTIDAL, UNCONSOLIDATED SHORE, MUD, REGULARLY FLOODED
E1UBL	ESTUARINE, SUBTIDAL UNCONSOLIDATED BOTTOM, SUBTIDAL

**NOTES**

1. QUALIFIED COSTAL PROFESSIONAL, JASON R. AUBE (CWS #313), USING THE PUBLISHED DATA COMPLETED THE WETLAND FUNCTIONAL ASSESSMENT AND WETLAND CLASSIFICATION.



**LOCATION PLAN**



**SITE DEVELOPMENT PLANS**

TAX MAP L LOT 58-N  
**WETLAND CLASSIFICATION PLAN**  
**RIVERSIDE MARINE CONSTRUCTION**  
**11 COTE DRIVE**  
**DOVER, NEW HAMPSHIRE**  
**COUNTY OF STRAFFORD**  
 OWNED BY  
**MARY E. O'REILLY & JANET L. SCHULTZ**  
 1"=20' (11"X17")  
 SCALE: 1"=10' (22"X34") JUNE 14, 2023

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REV	DATE	DESCRIPTION	DR	CK

**TFM** Civil Engineers, Structural Engineers, Traffic Engineers, Land Surveyors, Landscape Architects, Scientists

48 Constitution Drive, Bedford, NH 03110  
 Phone (603) 472-4488  
 Fax (603) 472-9747  
 www.tfmoran.com

FILE	47526.00	DR	VPB	FB	-		
		CK	JRA	CADFILE	47526-00 WETLAND CLASS		C-01

Jul 16, 2025 - 2:40pm  
 \\TFM-BED\FORD\Projects\Civil-Survey\MSC Projects\47526 - Cote Drive, Dover, NH\Design\PRODUCTION DRAWINGS\47526-00 Wetland Class.dwg

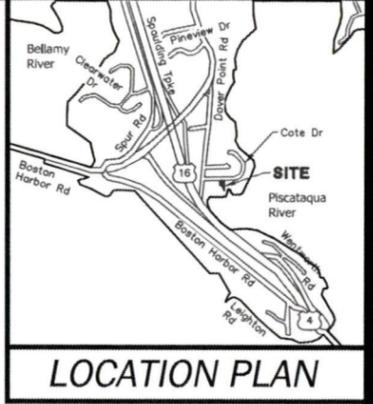
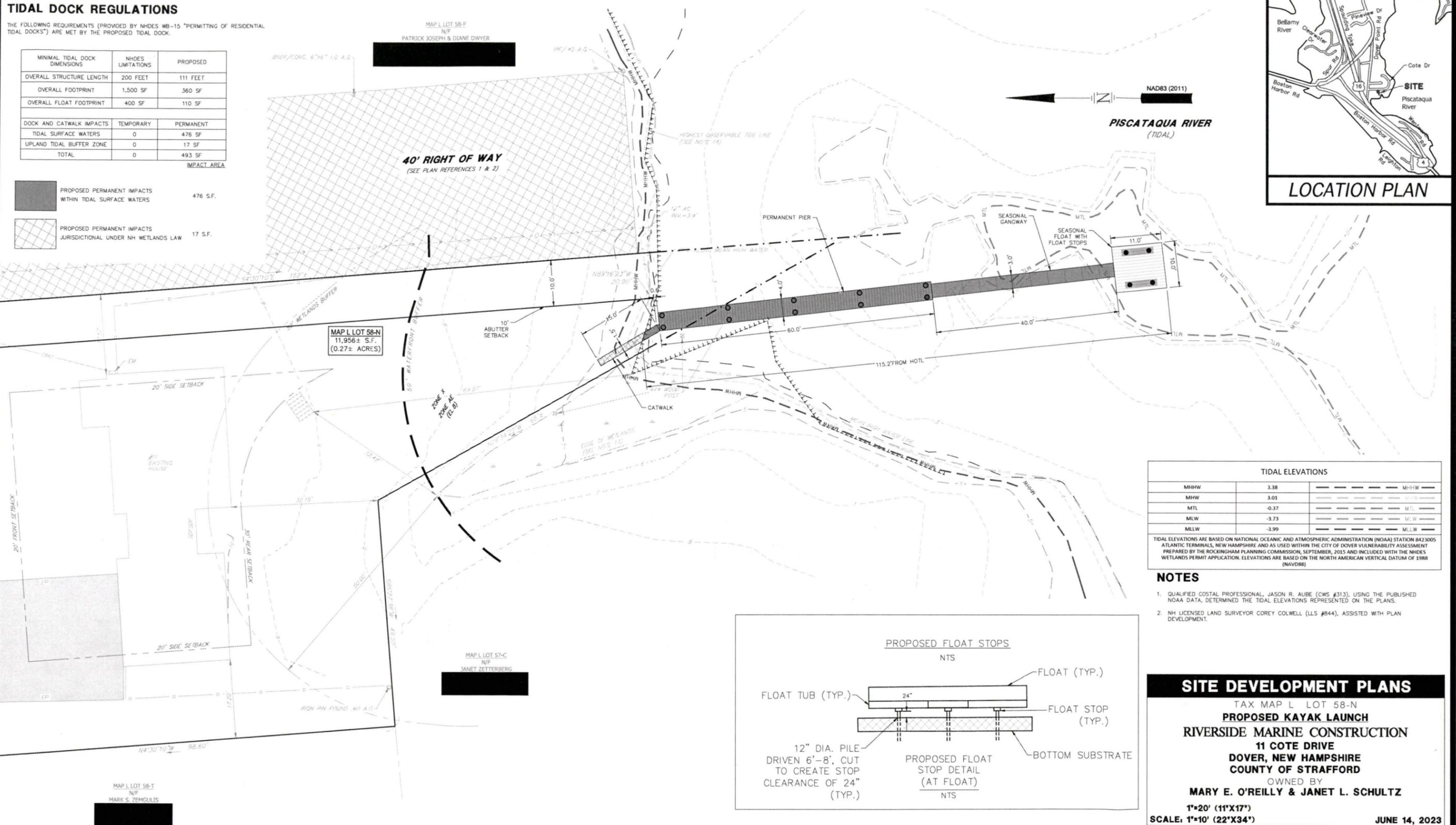
# TIDAL DOCK REGULATIONS

THE FOLLOWING REQUIREMENTS (PROVIDED BY NHDES WB-15 "PERMITTING OF RESIDENTIAL TIDAL DOCKS") ARE MET BY THE PROPOSED TIDAL DOCK.

MINIMAL TIDAL DOCK DIMENSIONS	NHDES LIMITATIONS	PROPOSED
OVERALL STRUCTURE LENGTH	200 FEET	111 FEET
OVERALL FOOTPRINT	1,500 SF	360 SF
OVERALL FLOAT FOOTPRINT	400 SF	110 SF
<b>DOCK AND CATWALK IMPACTS</b>		
TIDAL SURFACE WATERS	TEMPORARY	PERMANENT
UPLAND TIDAL BUFFER ZONE	0	17 SF
TOTAL	0	493 SF

IMPACT AREA

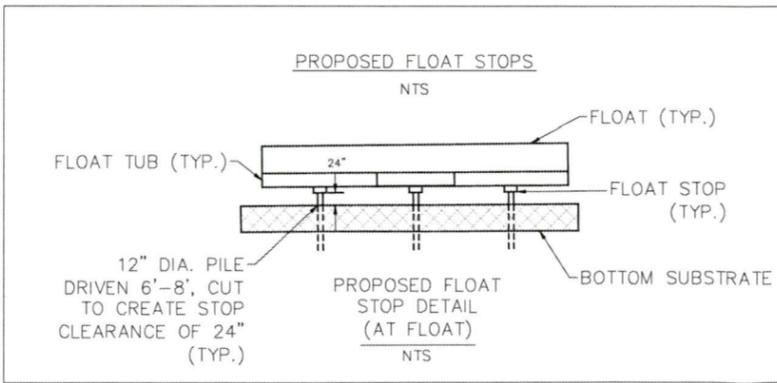
	PROPOSED PERMANENT IMPACTS WITHIN TIDAL SURFACE WATERS	476 S.F.
	PROPOSED PERMANENT IMPACTS JURISDICTIONAL UNDER NH WETLANDS LAW	17 S.F.



TIDAL ELEVATIONS		
MHHW	3.38	----- MHHW
MHW	3.01	----- MHW
MTL	-0.37	----- MTL
MLW	-3.73	----- MLW
MLLW	-3.99	----- MLLW

TIDAL ELEVATIONS ARE BASED ON NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) STATION 8423005 ATLANTIC TERMINALS, NEW HAMPSHIRE AND AS USED WITHIN THE CITY OF DOVER VULNERABILITY ASSESSMENT PREPARED BY THE ROCKINGHAM PLANNING COMMISSION, SEPTEMBER, 2015 AND INCLUDED WITH THE NHDES WETLANDS PERMIT APPLICATION. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

- NOTES**
1. QUALIFIED COSTAL PROFESSIONAL, JASON R. AUBE (CWS #313), USING THE PUBLISHED NOAA DATA, DETERMINED THE TIDAL ELEVATIONS REPRESENTED ON THE PLANS.
  2. NH LICENSED LAND SURVEYOR COREY COLWELL (LLS #844), ASSISTED WITH PLAN DEVELOPMENT.



**SITE DEVELOPMENT PLANS**

TAX MAP L LOT 58-N  
**PROPOSED KAYAK LAUNCH**  
 RIVERSIDE MARINE CONSTRUCTION  
 11 COTE DRIVE  
 DOVER, NEW HAMPSHIRE  
 COUNTY OF STRAFFORD  
 OWNED BY  
**MARY E. O'REILLY & JANET L. SCHULTZ**

SCALE: 1"=10' (22"X34') JUNE 14, 2023

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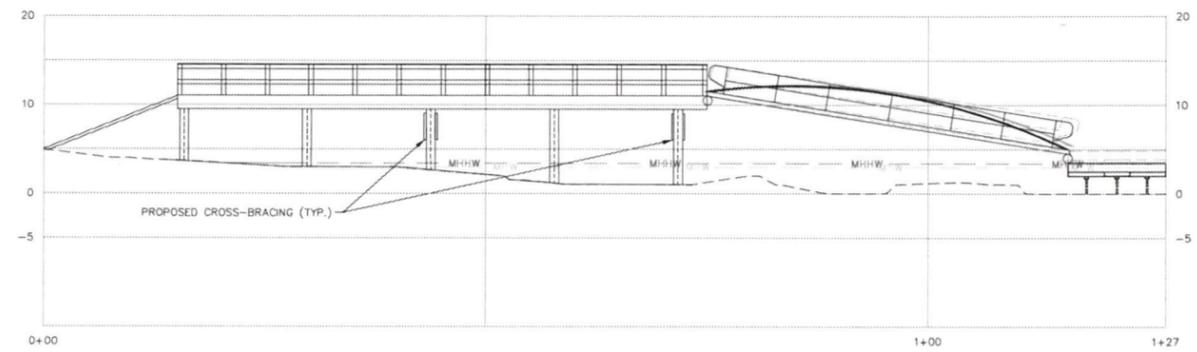
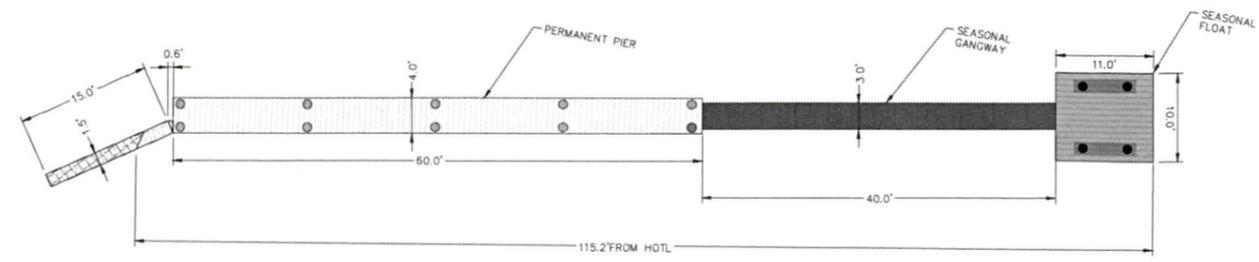
REV	DATE	DESCRIPTION	VPB	JRA
REV	7/17/2025	REVISED IMPACT AREA TABLE TOTAL	VPB	JRA
REV	02/09/2024	CATWALK ADDED - KAYAK LAUNCH SHORTENED	VPB	JRA
REV	12/13/2023	SHORTENED DOCKING STRUCTURE	VPB	JRA

<b>TFM</b>	Civil Engineers	48 Constitution Drive
	Structural Engineers	Bedford, NH 03110
	Traffic Engineers	Phone (603) 472-4488
	Land Surveyors	Fax (603) 472-9747
	Landscape Architects	www.tfmoran.com
	Scientists	

47526.00	DR	VPB	FB	-	C-02
	CK	JRA	CADFILE	SHORTENED PIER	

JUL 17, 2025 - 1:22pm  
 T:\FM-BEDFORD\Projects\Civil\Survey\MSC Projects\7526 - Cote Drive, Dover, NH\47526-00 - 11 Cote Drive, Dover, NH\Design\PRODUCTION DRAWINGS\scope-final-plan-state.dwg

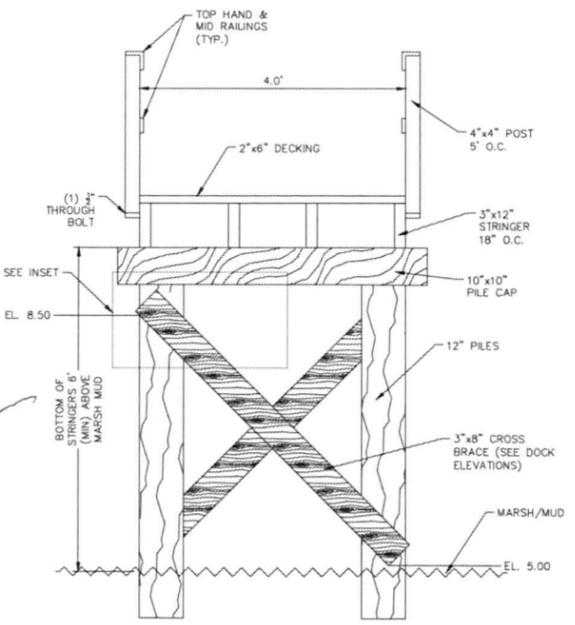
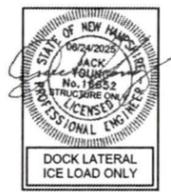
Jun 20, 2024 - 10:20am  
 TFM-BEDFORD-Projects-Civil-Survey-MSC-Projects-47526-11 Cote Drive, Dover, NH-Design-PRODUCTION DRAWINGS-47526-00 Dock Details(RFM).dwg



**DOCK PROFILE**

TIDAL ELEVATIONS			
MHHW	3.38	-----	MHHW
MHW	3.01	-----	MHW
MTL	-0.37	-----	MTL
MLW	-3.73	-----	MLW
MLLW	-3.99	-----	MLLW

TIDAL ELEVATIONS ARE BASED ON NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) STATION 8423005 ATLANTIC TERMINALS, NEW HAMPSHIRE AND AS USED WITHIN THE CITY OF DOVER VULNERABILITY ASSESSMENT PREPARED BY THE ROCKINGHAM PLANNING COMMISSION, SEPTEMBER, 2015 AND INCLUDED WITH THE NHDES WETLANDS PERMIT APPLICATION. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)



**STRUCTURE DETAILS**

**NOTES**

**SEQUENCE OF CONSTRUCTION**

1. AT LEAST 48-HOURS PRIOR TO COMMENCING THE CONSTRUCTION ACTIVITIES, THE PROPERTY OWNER, OR THEIR AGENT, WILL NOTIFY NHDES VIA THE INITIATION OF CONSTRUCTION NOTIFICATION FORM.
2. MOBILIZATION OF CRANE BARGE, PUSH BOAT, WORK SKIFF, MATERIALS, AND PREFABRICATED COMPONENTS, INCLUDING THE GANGWAY AND FLOAT WILL BE TRANSFERRED TO THE PROJECT AREA.
3. THE BARGE WILL BE POSITIONED ADJACENT TO THE EXISTING DOCKING STRUCTURE AND BEYOND THE LIMITS OF ANY EMERGENT VEGETATION.
4. THE PROJECT WILL COMMENCE AT LOW TIDE TO MINIMIZE EROSION AND TURBIDITY.
5. THROUGH A MECHANICAL VIBRATORY METHOD, THE EXISTING PILES AND DECKING WILL BE REMOVED AND LOADED ON THE BARGE.
6. USING THE SAME MECHANICAL VIBRATORY TECHNIQUE, THE NEW PILES WILL BE DRIVEN UNTIL REFUSAL. EACH NEW PILE WILL BE LOCATED AS DEPICTED ON THE APPROVED PLANS ASSOCIATED WITH THE APPROVED NHDES WETLANDS PERMIT.
7. ONCE THE PILES ARE SET, THEY ARE CUT AND BEAM CAPS ARE INSTALLED AND THE DECKING IS INSTALLED.
8. THE GANGWAY AND THE FLOAT IS LIFTED FROM THE BARGE AND SECURED TO THE PERMANENT DOCKING STRUCTURE.
9. ANY DISTURBED SOILS WITHIN THE PREVIOUSLY DEVELOPED UPLAND TIDAL BUFFER ZONE WILL BE SEEDED WITH A SHORELINE SEED MIX THAT INCLUDES SPECIES TOLERANT OF SALT AND SANDY SOILS.
10. DURING HIGH TIDE THE BARGE WILL RETREAT FROM THE AREA WITH THE EXISTING DOCKING STRUCTURE MATERIALS.
11. UPON COMPLETING THE PROJECT, THE PROPERTY OWNER, OR THEIR AGENT, WILL NOTIFY NHDES VIA THE COMPLETION OF CONSTRUCTION NOTICE AND CERTIFICATE OF COMPLIANCE FORM.

**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 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 CMA. UNLESS SPECIFICALLY AUTHORIZED BY 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 TIDAL 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 THE WETLANDS, THE EQUIPMENT SHALL EITHER HAVE LOW GROUND PRESSURE (<3 PS), OR SHALL NOT BE LOCATED DIRECTLY ON WETLAND SOILS AND VEGETATION; IT SHALL BE LACED 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 IN A WETLAND. DRAGGING SWAMP MATS INTO POSITION IS PROHIBITED. OTHER SUPPORT STRUCTURES THAT ARE LESS IMPACTING AND ARE CAPABLE OF SAFELY SUPPORTING EQUIPMENT MAY BE USED WITH WRITTEN CORPS AND NHDES AUTHORIZATION. SIMILARLY, NOT USING MATS DURING FROZEN, DRY OR OTHER CONDITIONS MAY BE ALLOWED WITH WRITTEN CORPS AND NHDES AUTHORIZATION. CORROUROY ROADS AND SWAMP/CONSTRUCTION MATS ARE CONSIDERED AS FILL WHETHER THEY'RE INSTALLED TEMPORARILY OR PERMANENTLY.

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

1. PILES INSTALLED IN-DRY DURING LOW WATER OR IN-WATER BETWEEN NOV, 15TH - MARCH 15TH, OR
  2. MUST BE DRILLED AND PINNED TO LEDGE, OR
  3. VIBRATORY HAMMERS USED TO INSTALL ANY SIZE AND QUANTITY OF WOOD, CONCRETE OR STEEL PILES, OR
  4. IMPACT HAMMERS LIMITED TO ONE HAMMER AND <50 PILES INSTALLED/DAY WITH THE FOLLOWING WOOD PILES OF ANY SIZE. CONCRETE PILES < 8-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 2-4 ABOVE.
- I. IN-WATER NOISE LEVELS SHALL NOT >187dB SEL RE 1μPa OR 206dB PEAK RE 1μPa AT A DISTANCE >10M FROM THE PILE BEING INSTALLED AND  
 II. IN-WATER NOISE LEVELS >155dB PEAK RE 1μPa 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 1μPa) MUST BE PROVIDED BETWEEN WORK DAYS.

**WORK SITE RESTORATION**

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

**SEDIMENTATION AND EROSION CONTROL**

ADEQUATE SEDIMENTATION AND EROSION CONTROL MEASUREMENTS, PRACTICES AND DEVICES, SUCH AS PHASED CONSTRUCTION, VEGETATED FILTER STRIPS, GEOTEXTILE SILT FENCES, STORMWATER DETENTION AND INFILTRATION SYSTEMS, SEDIMENT DETENTION BASINS OR OTHER DEVICES SHALL BE INSTALLED AND PROPERLY MAINTAINED TO REDUCE EROSION AND RETAIN SEDIMENT ON-SITE DURING AND AFTER CONSTRUCTION. THEY SHALL BE CAPABLE OF PREVENTING EROSION, OR 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 MACDONALD-STEVENS FISHERY CONSERVATION AND MANAGEMENT ACT (I.E. EFH FOR SPAWNING ADULTS) CAN BE OBTAINED FROM THE NMFS WEBSITE AT WWW.NERO.NOAA.GOV/HCD.

**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.

SITE DEVELOPMENT PLANS

TAX MAP L LOT 58-N

DOCK DETAILS

RIVERSIDE MARINE CONSTRUCTION

11 COTE DRIVE

DOVER, NEW HAMPSHIRE

COUNTY OF STRAFFORD

OWNED BY

MARY E. O'REILLY & JANET L. SCHULTZ

SCALE: NTS JUNE 14, 2023

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REV	DATE	DESCRIPTION	BY	CHK
1	7/17/2023	REVISED BASED ON NHDES COMMENTS	JKC	JCC
2	12/20/2023	SHORT TENE REVISIONS TO THE STRUCTURE	JKC	JCC

TFM

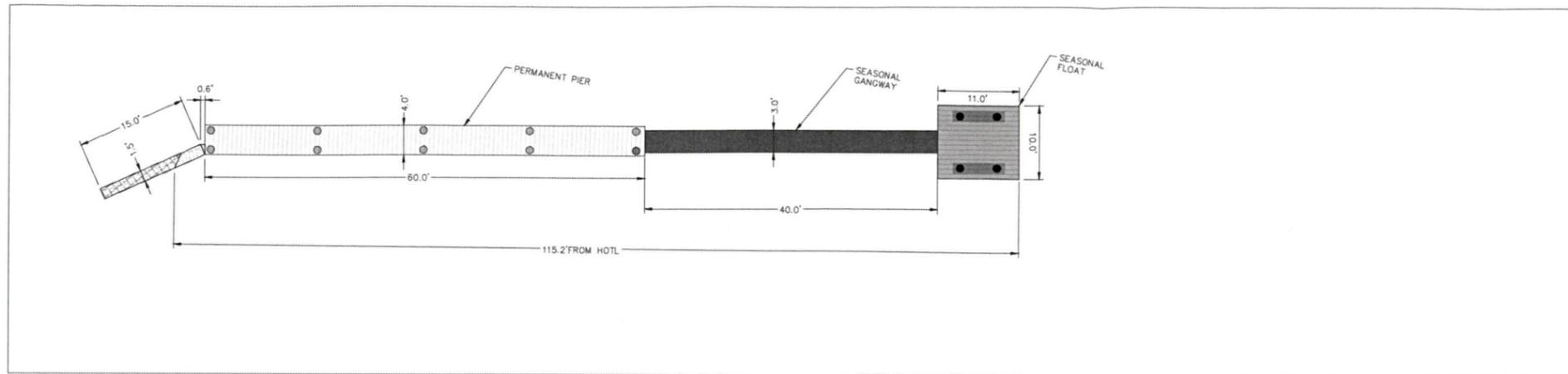
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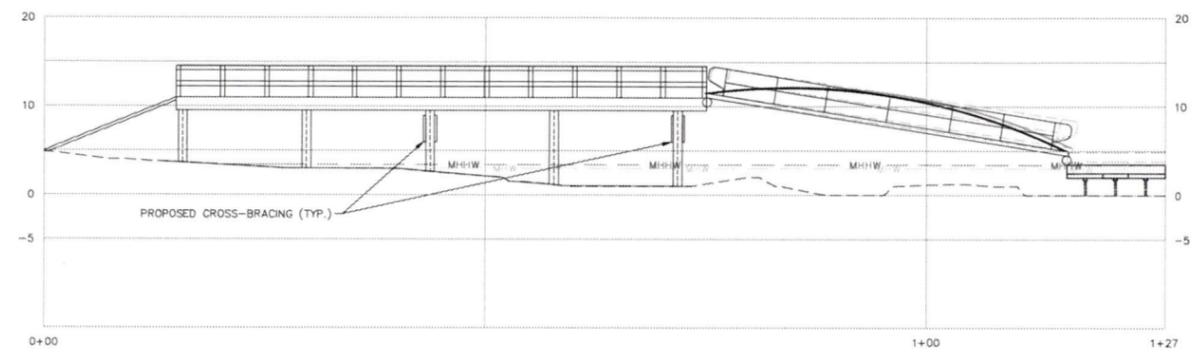
DR VPB FB  
CX JRA CADFILE 47526-00 DOCK DETAILS(RFM)

C-03



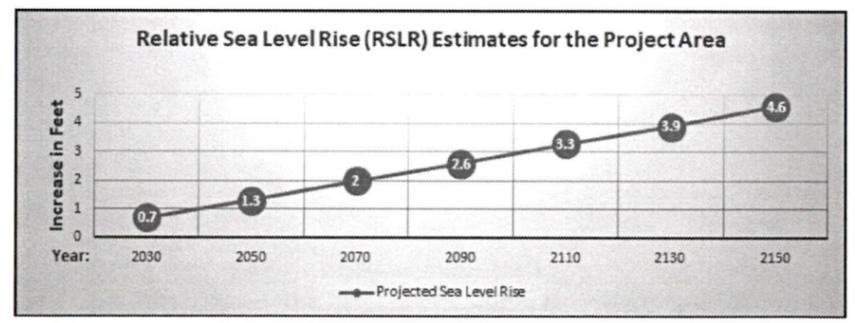
TIDAL ELEVATIONS			
	2023	2150	
MHHW	3.38	7.98	----- MHHW -----
MHW	3.01	7.61	----- MHW -----
MTL	-0.37	4.23	----- MTL -----
MLW	-3.73	0.87	----- MLW -----
MLLW	-3.99	0.61	----- MLLW -----

TIDAL ELEVATIONS ARE BASED ON NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) STATION 8423005 ATLANTIC TERMINALS, NEW HAMPSHIRE AND AS USED WITHIN THE CITY OF DOVER VULNERABILITY ASSESSMENT PREPARED BY THE ROCKINGHAM PLANNING COMMISSION, SEPTEMBER, 2015 AND INCLUDED WITH THE NHDES WETLANDS PERMIT APPLICATION. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

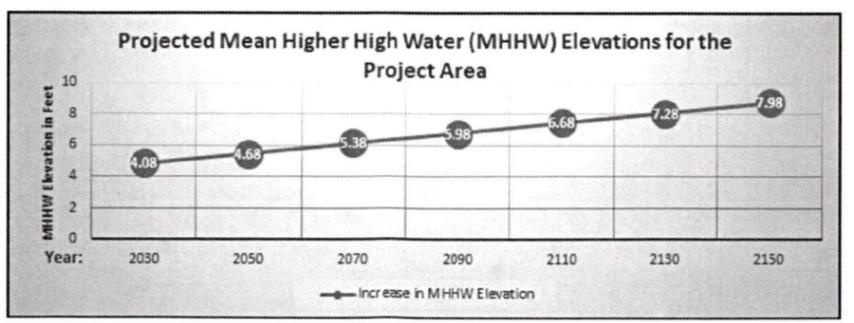


DOCK PROFILE

COSTAL VULNERABILITY ASSESSMENT GRAPHS



INCREMENTAL RELATIVE SEA LEVEL RISE FOR THE PROJECT AREA BASED ON REPRESENTATIVE CONCENTRATION PATHWAY (RCP) 4.5



INCREMENTAL RELATIVE SEA LEVEL RISE FOR THE PROJECT AREA BASED ON REPRESENTATIVE CONCENTRATION PATHWAY (RCP) 4.5. A HIGH TOLERANCE FOR FLOOD RISK, AND THE CURRENT MEAN HIGHER HIGH WATER (MHHW) ELEVATION OF 3.38 FEET DETERMINED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ASSOCIATION (NOAA), CONTROL STATION 8423005 ATLANTIC TERMINALS T14A, NH USING NAVD 88 DATUM.

**SITE DEVELOPMENT PLANS**  
 TAX MAP L LOT 58-N  
**VULNERABILITY ASSESSMENT**  
 RIVERSIDE MARINE CONSTRUCTION  
 11 COTE DRIVE  
 DOVER, NEW HAMPSHIRE  
 COUNTY OF STRAFFORD  
 OWNED BY  
 MARY E. O'REILLY & JANET L. SCHULTZ  
 SCALE: NTS  
 JUNE 14, 2023

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REV	12/10/2023	SHORT TENE... STRUCTURE	JRA
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May 30, 2024 - 12:22pm  
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