



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

Robert R. Scott, Commissioner

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August 27, 2025

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

**REQUESTED ACTION**

Approve Sprague Operating Resources LLC's request to perform the following work on Piscataqua River in Newington pursuant to NH Department of Environmental Services (NHDES) Wetlands Bureau permit #2025-00849, and in accordance with RSA 482-A:3. No comments were submitted by the Newington Conservation Commission regarding the project as proposed.

Impact a total of 48,500 square feet of jurisdictional area to include impacting 45,000 square feet of intertidal waters along 1,020 linear feet of shoreline and impact 3,500 square feet of previously-developed 100-foot tidal buffer zone for the repair and replacement of an existing stone revetment.

NHDES imposed the following conditions as part of this approval:

1. All work shall be done in accordance with the plans by Appledore Marine Engineering, LLC received by the NH Department of Environmental Services (NHDES) on May 29, 2025, in accordance with Env-Wt 307.16.
2. In accordance with Env-Wt 314.02(b) and (c), the permittee shall record the permit at the Rockingham Registry of Deeds. 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 department with a copy of the permit stamped by the registry with the book and page and date of receipt.
3. In accordance with Env-Wt 307.10(i), no work shall occur in tidal waters during a fish migration or larval setting stage of fish and shellfish, which is between March 15 and November 15.
4. All work shall be conducted and maintained in such a way as to protect water quality as required by Rule Env-Wt 307.03(a) through (h).
5. In accordance with Env-Wt 307.15(b), mobile heavy equipment working in wetlands shall not be stored, maintained, or repaired in wetlands, except that repairing or refueling in a wetland is allowed if equipment cannot practicably be removed and secondary containment is provided.
6. In accordance with Env-Wt 307.15(a), heavy equipment shall not be operated in any jurisdictional area unless specifically authorized by this permit.

Threatened and Endangered Species Protection Conditions:

1. All operators and personnel working on or entering the site shall be made aware of the potential presence of Shortnose sturgeon (State Endangered) and Atlantic sturgeon (State Threatened) within the vicinity of the project area.
2. Rare species information on (e.g. identification, observation and reporting of observations, when to contact NHFG immediately and NHFG contact information) shall be communicated during morning tailgate meetings prior to work commencement during the construction on phase of the project.
3. All work that can be done in the dry shall be done in the dry at low tide or from a work barge and appropriate erosion and sediment control measures (e.g., turbidity curtains) shall be installed. All work that cannot occur in the dry shall be done during the dredge window of November 15th - March 15th.

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4. All manufactured erosion and sediment control products, with the exception of turf reinforcement mats, utilized for, but not limited to, slope protection, runoff diversion, slope interruption, perimeter control, inlet protection, check dams, and sediment traps shall not contain plastic, or multifilament or monofilament polypropylene netting or mesh with an opening size of greater than 1/8 inches.
5. All observations of threatened or endangered species on the project site shall be reported immediately to the NHFG nongame and endangered wildlife environmental review program by phone at 603-271-2461 and by email at NHFGreview@wildlife.nh.gov, with the email subject line containing the NHB DataCheck tool results letter assigned number, the project name, and the term Wildlife Species Observation.
6. Photographs of the observed species and nearby elements of habitat or areas of land disturbance shall be provided to NHFG in digital format at the above email address for verification, as feasible.
7. In the event a threatened or endangered species is observed on the project site during the term of the permit, the species shall not be disturbed, handled, or harmed in any way prior to consultation with NHFG and implementation of corrective actions recommended by NHFG.
  - a) Site operators shall be allowed to relocate wildlife encountered if discovered within the active work zone if in direct harm from project activities.
  - b) Wildlife shall be relocated in close proximity to the capture location but outside of the work zone and in the direction the individual was heading.
  - c) NHFG shall be contacted immediately if this action occurs.
8. NHFG, including its employees and authorized agents, shall have access to the property during the term of the permit.

#### EXPLANATION

NHDES approved this project on July 16, 2025. NHDES supported its decision with the following findings:

1. This is classified as a major project per Rule Env-Wt 609.11(b)(2), as the project is located within 100 feet of the highest observable tide line that alter any bank, flat, wetlands, surface water, or undeveloped uplands, and is not for repair of an existing structure pursuant to Env-Wt 609.08(a).
2. Per Rule Env-Wt 311.01(b), the applicant coordinated with the NH Fish and Game Department (NHFG) and the Natural Heritage Bureau (NHB) to determine how to avoid and minimize project-related impacts on rare or protected animal species and habitat, and on protected plants or exemplary natural communities.
3. The Newington Conservation Commission did not provide comment on the project.
4. The revetment was originally constructed by the United States Army Corps of Engineers as part of the widening of the federal navigation channel as approved in the River & Harbor Act of 23 October 1962.
5. During a pre-application coordination meeting between NHDES staff, representative of the Applicant, and USACE staff the USACE staff verified that the applicant had the right to apply for the necessary permit to conduct revetment repairs.
6. This approval will be reviewed by the USACE for compliance with Federal permitting requirements.

NHDES Wetlands Bureau permit #2025-00849 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.

  
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Robert R. Scott  
Commissioner



## STANDARD DREDGE AND FILL WETLANDS PERMIT APPLICATION

Water Division / Land Resources Management  
[Check the Status of your Application](#)



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

APPLICANT'S NAME: Sprague Operating Resc      TOWN NAME: Newington

	Administrative Use Only	Administrative Use Only	File No.: <b>2025-00849</b> Check No.: <b>344066</b> Amount: <b>19400</b> Initials:
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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 type="checkbox"/> Yes <input type="checkbox"/> No
Does the property contain a PRA? If yes, provide the following information:	<input 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 (NHFG) 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. <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></li> <li>• Protected species or habitat? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span> <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> <li>• Bog? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></li> <li>• Floodplain wetland contiguous to a tier 3 or higher watercourse? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></li> <li>• Designated prime wetland or duly-established 100-foot buffer? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></li> <li>• Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></li> </ul>	
Is the property within a Designated River corridor? If yes, provide the following information:	<input type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> <li>• Name of Local River Management Advisory Committee (LAC): n/a</li> <li>• A copy of the application was sent to the LAC on Month:      Day:      Year:</li> </ul>	

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For dredging projects, is the subject property contaminated? • If yes, list contaminant:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is there potential to impact impaired waters, class A waters, or outstanding resource waters?	<input type="checkbox"/> Yes <input type="checkbox"/> No
For stream crossing projects, provide watershed size (see <a href="#">WPPT</a> or Stream Stats): n/a	
<b>SECTION 2 - PROJECT DESCRIPTION (Env-Wt 311.04(i))</b> Provide a description of the project and the purpose of the project, the need for the proposed impacts to jurisdictional areas, an outline of the scope of work to be performed, and whether impacts are temporary or permanent.	
<p>The project proposes the installation of 1,020 linear feet of riprap along the shoreline of the Piscataqua River to stabilize the eroding bank. The site is the location of the Sprague Operating Resources Avery Lane Terminal, which handles the bulk storage of liquid fuel. This facility is located within the Industrial Waterfront Zoning District of Newington. The Sprague River Road Terminal is approximately 2,500 feet upstream and multiple facilities are located downstream, including Little Bay Lobster, SubCom, and Granite Shore power stations.</p> <p>The existing stone revetment was created in the 1960s as part of an Army Corps of Engineers project to widen the federal channel. The slope of the revetment is in excess of 2:1 and is comprised of stones ranging from 6 inches to 3 feet in size. The erosion that is occurring is approaching important infrastructure, including the shoreside moorings, roadways, and access trestle. Riprap is the only appropriate shoreline stabilization approach for this site due to strong current and wave action and the industrial use of the site.</p> <p>The proposed work will entail reestablishing a 2:1 slope in shallow areas on the northern portion of the shoreline and a 1.5:1 slope along the deeper areas near active marine infrastructure with approximately 5,600 CY of Class III stone within a 45,000 SF area. Approximately 3,200 CY will be below the mean high water (MHW) line and 1,925 CY will be below the mean lower low water (MLLW) line. The project maintains the same linear coverage along the riverbank with no expansion in length and constructs to address erosion of the existing revetment while minimizing construction duration and impacts. The proposed stabilization will not require fill beyond the original toe of slope. The work will result in approximately 3,500 SF of new riprap within the developed Tidal Buffer Zone.</p>	
<b>SECTION 3 - PROJECT LOCATION</b> Separate wetland permit applications must be submitted for each municipality within which wetland impacts occur.	
ADDRESS: Sprague Operating Resources, Avery Lane	
TOWN/CITY: Newington	
TAX MAP/BLOCK/LOT/UNIT: Map 14 Lot 16	
US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME: <b>Piscataqua River</b> <input type="checkbox"/> N/A	
(Optional) LATITUDE/LONGITUDE in decimal degrees (to five decimal places): 43.10934, -70.80082	

<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: Sprague Operating Resources, LLC			
MAILING ADDRESS: [REDACTED]			
TOWN/CITY: [REDACTED]		STATE: [REDACTED]	ZIP CODE: [REDACTED]
EMAIL ADDRESS: [REDACTED]			
FAX:		PHONE:	
ELECTRONIC COMMUNICATION: By initialing here, 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 checked="" type="checkbox"/> N/A			
LAST NAME, FIRST NAME, M.I.: Perron, Christine, J.			
COMPANY NAME: McFarland-Johnson, Inc.			
MAILING ADDRESS: 53 Regional Drive			
TOWN/CITY: Concord		STATE: NH	ZIP CODE: 03301
EMAIL ADDRESS: cperron@mjinc.com			
FAX:		PHONE: 603-225-2978	
ELECTRONIC COMMUNICATION: By initialing here, I hereby authorize NHDES to communicate all matters relative to this application electronically. CJP			
<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:			
MAILING ADDRESS:			
TOWN/CITY:		STATE:	ZIP CODE:
EMAIL ADDRESS:			
FAX:		PHONE:	
ELECTRONIC COMMUNICATION: By initialing here, I hereby authorize NHDES to communicate all matters relative to this application electronically.			

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**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):

Env-Wt 400: The highest observable tide line was delineated in 9/2023 by a Certified Wetland Scientist. The only resource in the project area is the Piscataqua River, which is a tidal river with a classification of E1UBL. Based on the length of proposed impacts along the river and the tidal resource, the proposed project is classified as a major impact project.

Env-Wt 500: The proposed project falls under Env-Wt 514 Shoreline Stabilization and has been designed in accordance with the criteria specified in Env-Wt 514.04.

Env-Wt 600: The project proposes shoreline stabilization along a tidal river and has been designed in accordance with Env-Wt 609.

Env-Wt 700: N/A - There are no Prime Wetlands or Prime Wetland Buffers within the project.

Env-Wt 900: N/A - The project does not involve stream crossings.

**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: 12/21/2023

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 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).

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

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

JURISDICTIONAL AREA		PERM. SF	PERM. LF	PERM. ATF	TEMP. SF	TEMP. LF	TEMP. 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	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	45,000	1,020	<input type="checkbox"/>			<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	3,500		<input type="checkbox"/>			<input type="checkbox"/>
	Docking - Tidal Water			<input type="checkbox"/>			<input type="checkbox"/>
<b>TOTAL</b>		48,500	1,020				

**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:	SF	× \$2.00 =	\$
Permanent docking structure:	SF	× \$4.00 =	\$
Projects proposing shoreline structures (including docks) add \$400 =			\$
Total =			\$

*The application fee for minor or major impact is the above calculated total or \$400, whichever is greater = \$ 19400*

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<b>SECTION 13 - PROJECT CLASSIFICATION (Env-Wt 306.05)</b>		
Indicate the project classification.		
<input type="checkbox"/> Minimum Impact Project	<input type="checkbox"/> Minor Project	<input checked="" type="checkbox"/> Major Project
<b>SECTION 14 - REQUIRED CERTIFICATIONS (Env-Wt 311.11)</b>		
Initial each box below to certify:		
Initials: <i>CEO</i>	To the best of the signer's knowledge and belief, all required notifications have been provided.	
Initials: <i>CEO</i>	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: <i>CEO</i>	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>1. Deny the application.</li> <li>2. Revoke any approval that is granted based on the information.</li> <li>3. 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> </ul>	
Initials: <i>CEO</i>	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.	
<b>SECTION 15 - REQUIRED SIGNATURES (Env-Wt 311.04(d); Env-Wt 311.11)</b>		
SIGNATURE (OWNER): <i>Chris O'Neil</i>	PRINT NAME LEGIBLY: Christopher O'Neil	DATE: 3/28/2025
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER):	PRINT NAME LEGIBLY:	DATE:
SIGNATURE (AGENT, IF APPLICABLE): <i>Christine Perron</i>	PRINT NAME LEGIBLY: Christine Perron	DATE: 1/31/2025
<b>SECTION 16 - TOWN / CITY CLERK SIGNATURE (Env-Wt 311.04(f))</b>		
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>Doreen Caradonna</i>	PRINT NAME LEGIBLY: Doreen Caradonna	DATE: 4/3/25
TOWN/CITY: Newington		

**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

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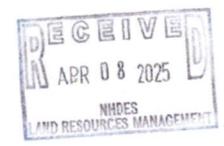
[des.nh.gov](http://des.nh.gov)

Abutters to Parcel 14-16:  
 14-4 Sprague Operating Resources (applicant)  
 14-3 United States Department of Defense,  
 14-2 SEA-3, Inc.,

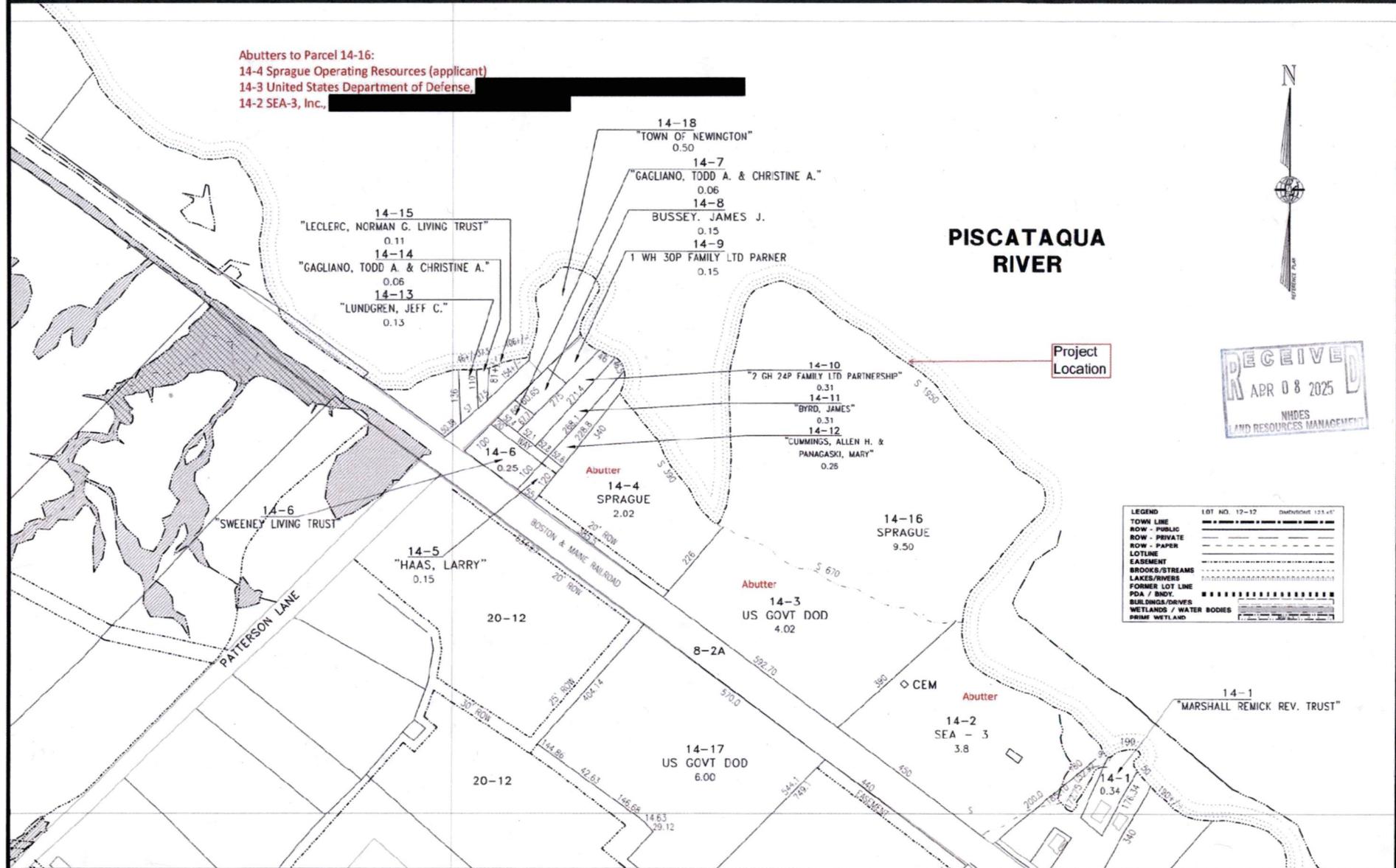


# PISCATAQUA RIVER

Project Location



LEGEND	
TOWN LINE	LOT NO. 12-12 DIMENSIONS 123.45'
ROW - PUBLIC	
ROW - PRIVATE	
ROW - PAPER	
LOTLINE	
EASEMENT	
BROOKS/STREAMS	
LAKES/RIVERS	
FORMER LOT LINE	
PDA / BNDY	
DEVELOP/DRIVER	
WETLANDS / WATER BODIES	
DRIFT WETLAND	



**MERIDIAN LAND SERVICES, INC.**  
 31 OLD WASHUA ROAD, AMHERST, N.H. 03110  
 TEL. 603-479-1441 FAX 603-479-1444  
 ENGINEERS - LAND SURVEYORS - SURVEYORS - LAND PLANNERS

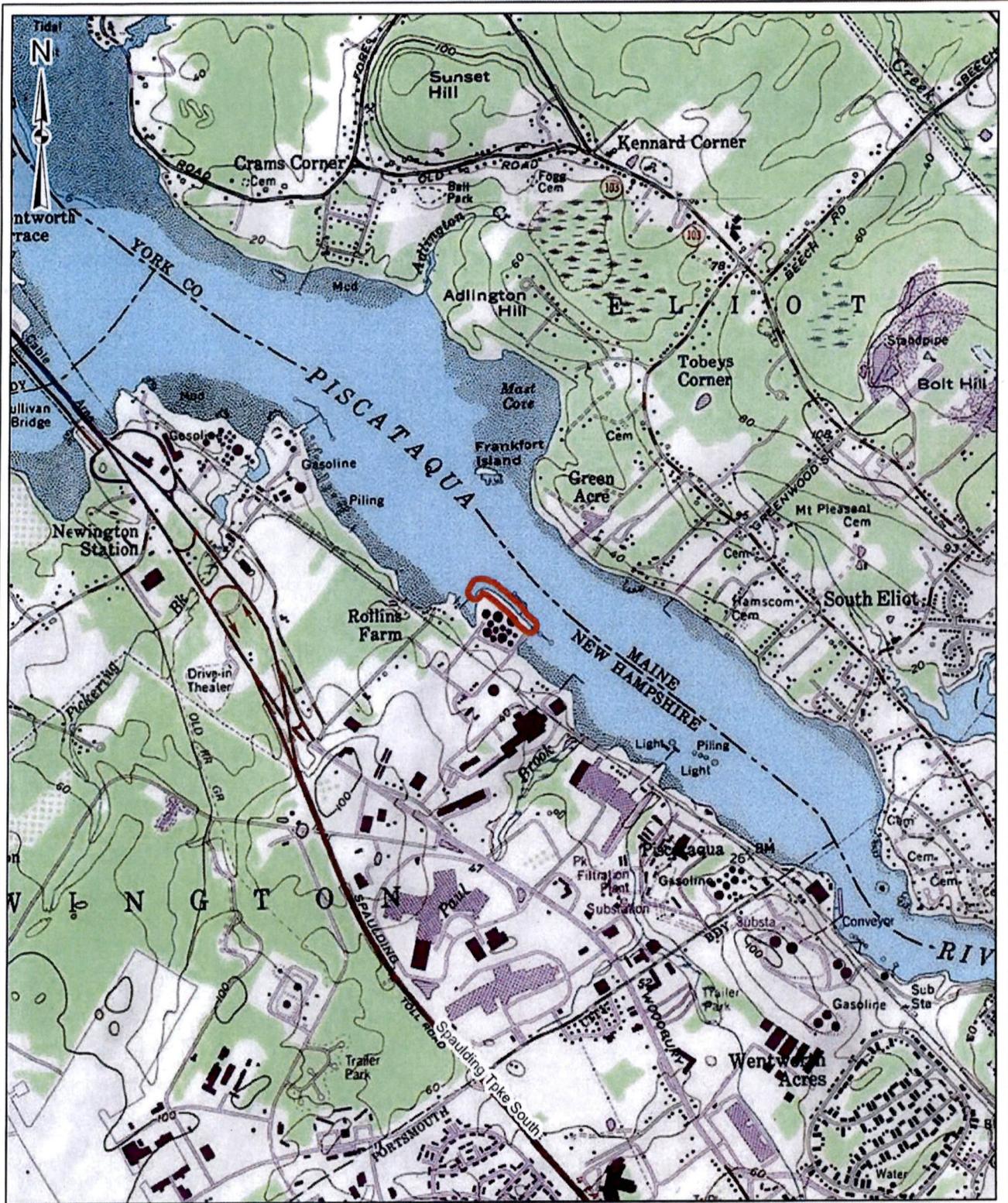
THIS DOCUMENT HAS BEEN PREPARED TO SHOW APPROXIMATE LOT LOCATION ONLY. INFORMATION SHOWN IS NOT TO BE USED FOR DEED DESCRIPTIONS.

# NEWINGTON, N.H.

TAX MAP SCALE  
 24" X 36" PLOT - 1" = 400'  
 11" X 17" PLOT - 1" = 200' ±  
 NOVEMBER 2020  
 DATE OF LATEST REVISION

GRAPHIC SCALE  
 8  
 1.3  
 19 20 21  
 M.L.S. JOB NO. 4171.00

**14**



 Project Area

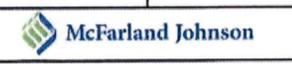
**RECEIVED**  
 APR 08 2025  
 NHDES  
 LAND RESOURCES MANAGEMENT



**SPRAGUE OPERATING RESOURCES**  
 AVERY LANE TERMINAL SLOPE STABILIZATION

**LOCATION**

SCALE: 1" = 2,000'      DATE: DECEMBER 2023      FIGURE: 1

 Appledore Marine Engineering, LLC       McFarland Johnson



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

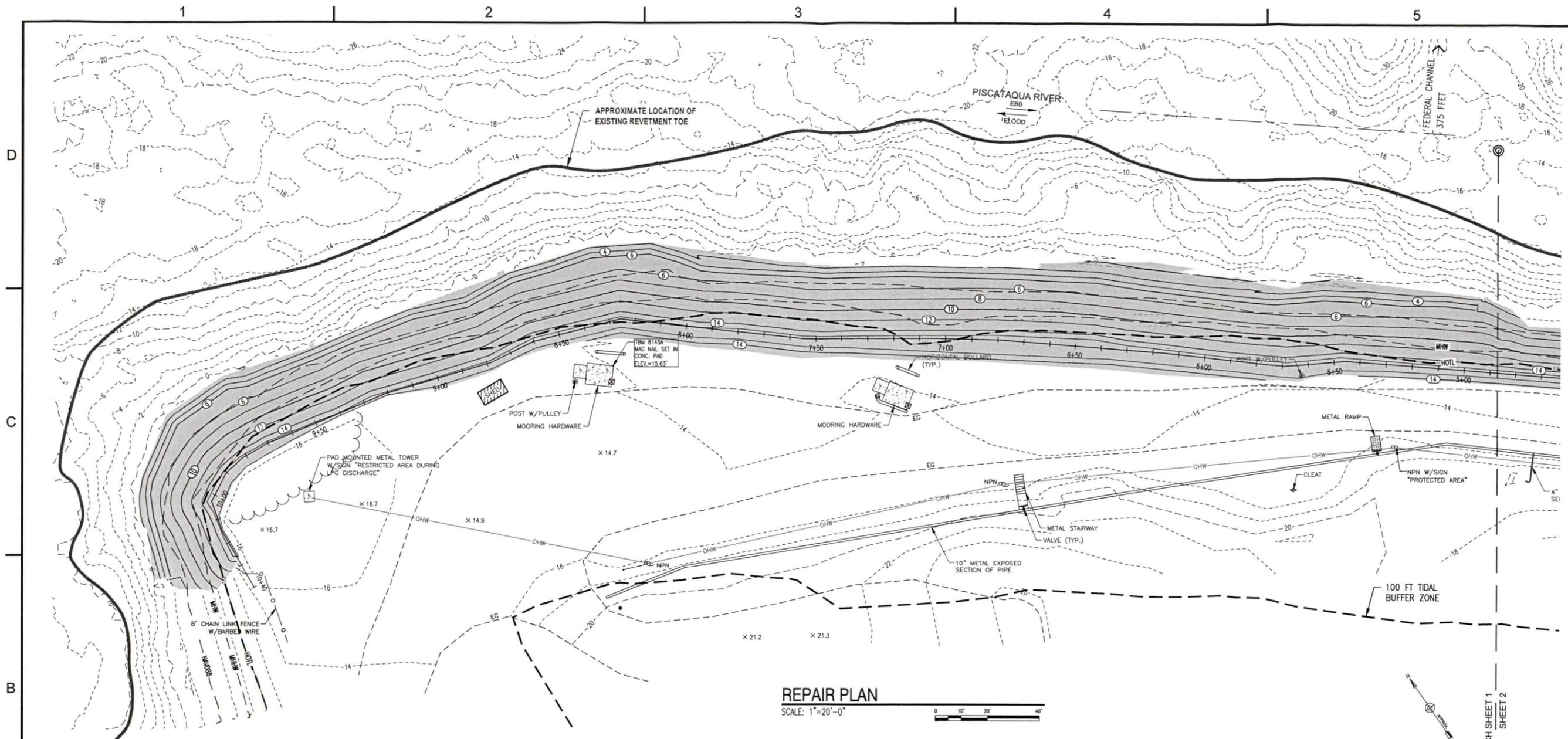
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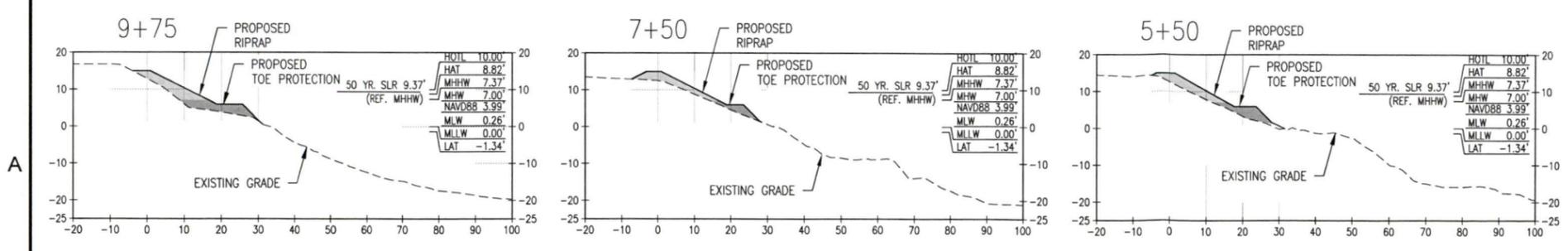
**Robert R. Scott, Commissioner**

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.



**REPAIR PLAN**  
SCALE: 1"=20'-0"



**REPAIR SECTIONS**  
SCALE: 1"=20'-0"

RIPRAP			
	TOTAL	MHW (BELOW)	MLLW (BELOW)
EXISTING RIPRAP IN TIDAL BUFFER ZONE	6,200 SF	--	--
NEW RIPRAP IN TIDAL BUFFER ZONE	3,500 SF	--	--
APPROXIMATE RIPRAP SHORELINE	1,020 LF	--	--
APPROXIMATE RIPRAP AREA	45,000 SF	30,900 SF	13,250 SF
APPROXIMATE RIPRAP VOLUME	5,600 CY	3,200 CY	1,925 CY

- LEGEND:**
- - - - -14- - - - - EXISTING 2 FT CONTOUR
  - - - - -10- - - - - EXISTING 10 FT CONTOUR
  - ④ RIPRAP 2 FT CONTOUR
  - ⑩ RIPRAP 10 FT CONTOUR
  - █ PROPOSED RIPRAP AREA

PROJECT No.: 3515	DATE	BY
CAD DWG FILE: 5315_C-101_C30.dwg	REVISION	DESCRIPTION
DESIGNED BY: TB	DATE	REVISIONS
DRAWN BY: DLJM	DATE	REVISIONS
CHECKED BY: TB	DATE	REVISIONS
SCALE: AS SHOWN	DATE	REVISIONS
<b>C-101</b>		
SHEET 01 OF 02		

CHECK GRAPHIC SCALE BEFORE USING.

603.796.1870  
inquiry@appliedmarine.com

**Applied Marine Engineering, LLC**  
600 State St. Suite E  
Portsmouth, New Hampshire 03801

REGISTERED PROFESSIONAL ENGINEER  
NO. 10534  
EXPIRES 05/31/2025

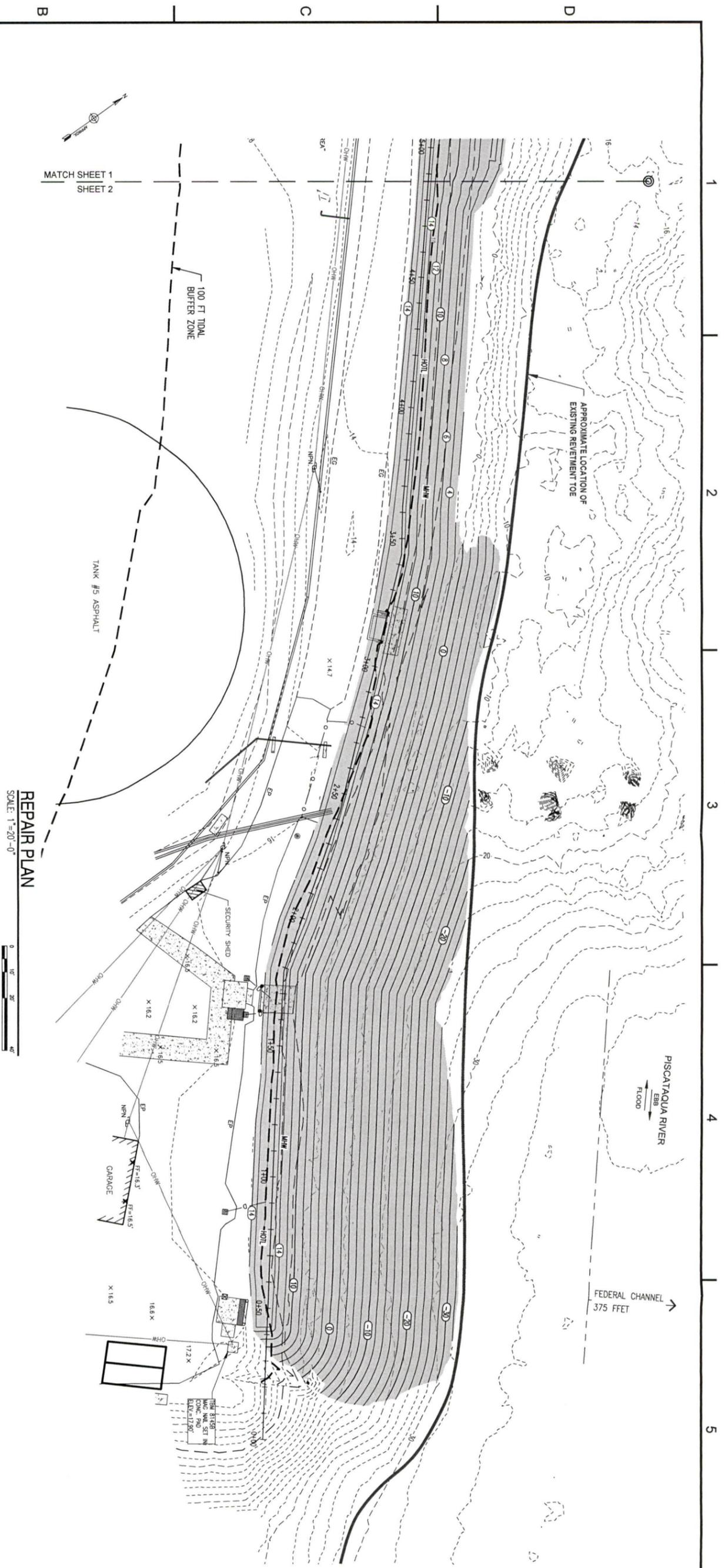
STATE OF NEW HAMPSHIRE  
NOAH  
ELI GIBBS  
No. 10534  
LICENSED PROFESSIONAL ENGINEER  
SEAL 05/31/2025

SPRAGUE OPERATING RESOURCES LLC  
185 INTERNATIONAL DRIVE, PORTSMOUTH, NEW HAMPSHIRE 03801  
AVERY LANE TERMINAL

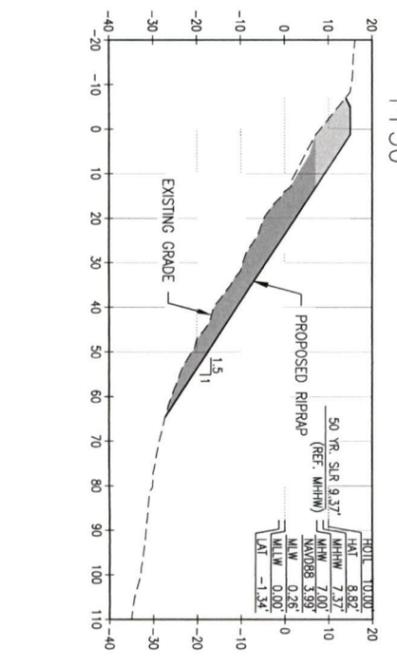
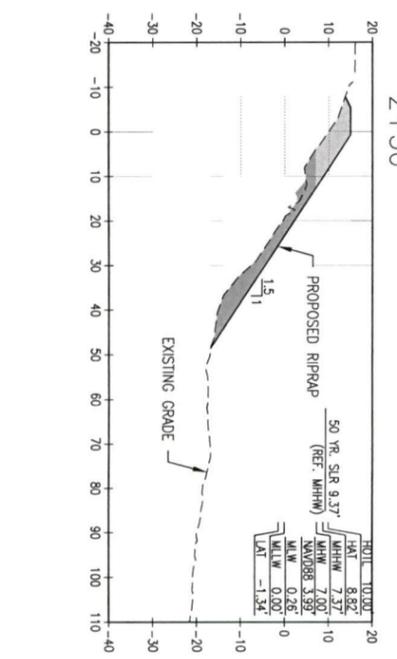
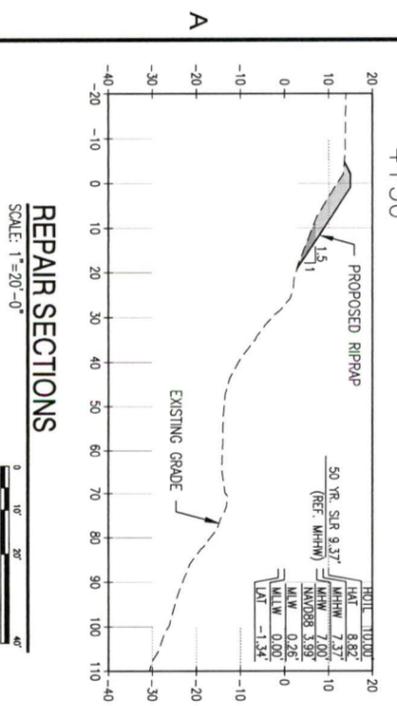
NEW HAMPSHIRE  
NEWINGTON, NEW HAMPSHIRE 03801

**PERMITTING OF SHORELINE PROTECTION**

**SLOPE PROTECTION PLAN - 1**



**REPAIR PLAN**  
SCALE: 1"=20'-0"



- LEGEND:**
- 14 - - - - - EXISTING 2 FT CONTOUR
  - 10 - - - - - EXISTING 10 FT CONTOUR
  - 3 - - - - - RIPRAP 2 FT CONTOUR
  - 10 - - - - - RIPRAP 10 FT CONTOUR
  - █ - - - - - PROPOSED RIPRAP AREA

**REPAIR SECTIONS**  
SCALE: 1"=20'-0"

SPRAGUE OPERATING RESOURCES LLC  
185 INTERNATIONAL DRIVE, PORTSMOUTH, NEW HAMPSHIRE 03801  
NEWINGTON, NEW HAMPSHIRE

PROJECT No.: 35115

DATE: 8/27/2014

DESIGNED BY: TJB

DRAWN BY: TJB

CHECKED BY: TJB

SCALE: AS SHOWN

**C-102**

STATE OF NEW HAMPSHIRE  
NO. 10534  
No. 10534  
LICENSED PROFESSIONAL ENGINEER

**Appledore Marine Engineering, LLC**  
600 State St. Suite E  
Portsmouth New Hampshire 03801

603.766.1870  
inquiry@appledoremarine.com

SUBMITTED BY:

REVISION	DATE	DESCRIPTION	BY