The State of New Hampshire
Department of Environmental Services

Robert R. Scott, Commissioner

150C

August 14, 2024

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

REQUESTED ACTION

Approve ADL 325 Little Harbor Road Trust's request to perform the following work on Piscataqua River in Portsmouth pursuant to NH Department of Environmental Services (NHDES) Wetlands Bureau permit #2023-01406, and in accordance with RSA 482-A:3. Comments submitted by the Portsmouth Conservation Commission on the project as proposed, are addressed in the Findings and are included in the enclosed documents.

Impact 66,083 square feet (SF) within the bed, banks, and tidal buffer zone of the Piscataqua River (tier 4) and adjacent tidal wetlands, including 1,632 SF of impact to Portsmouth Prime Wetland 061B, "Little Harbor Cove," and 24,864 SF of impact within the duly designated 100-foot prime wetland buffer to replace an existing tidal crossing with a 332 foot long by 22 foot wide pile supported bridge to provide residential access to Lady Isle (formerly known as Belle Isle) and restore approximately 23,737 square feet of tidal riverbed. Compensatory mitigation shall consist of 7,491 square feet of salt marsh restoration and 16,340 square feet of tidal buffer enhancement through plantings.

NHDES imposed the following conditions as part of this approval:

1. All work shall be done in accordance with the approved plans dated February 7, 2024, and revised through July 3, 2024, by TFMoran, Inc., and the "Proposed Mitigation Planting Plan" dated June 5, 2024, by Matthew Cunningham Landscape Design, LLC. and received by the NH Department of Environmental Services (NHDES) on July 3, 2024, in accordance with Env-Wt 307.16
2. In accordance with Env-Wt 314.02(b) and (c), for projects in the coastal area, the permittee shall record the permit at the Rockingham County 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. This permit is contingent on review and approval of a final mitigation monitoring plan that is commensurate with the complexity of the permittee-responsible restoration and enhancement mitigation project Per Rule Env-Wt 803.04(a).

4. In accordance with Env-Wt 307.07, all development activities associated with any project shall be conducted in compliance with applicable requirements of RSA 483-B and Env-Wq 1400 during and after construction.
5. Except as authorized in Conditions #6 and #7 below, in water work shall occur between November 15 and March 15, in order to protect anadromous fish, in accordance with Env-Wt 307.06(b) and Env-Wt 311.06(g).
6. Pile Installation taking place outside of the federal dredge window between November 15 and March 15 shall be done in the dry at low tide, in order to protect anadromous fish in accordance with Env-Wt 307.06(b) and Env-Wt 311.06(g).
7. Work associated with the construction of the westerly bridge approach taking place outside of the federal dredge window between November 15 and March 15 shall be done in the dry at low tide, in order to protect anadromous fish in accordance with Env-Wt 307.06(b) and Env-Wt 311.06(g).
8. In accordance with Env-Wt 307.05(b), equipment to be used in surface waters shall be completely free of all aquatic and terrestrial invasive plants, seeds, and other propagules, and all exotic aquatic species of wildlife as defined in RSA 487:16, I-a.
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)(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.
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(h), equipment shall be staged and refueled outside of jurisdictional areas (unless allowed) and in accordance with Env-Wt 307.15.
13. 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
14. In accordance with Env-Wt 307.08(a), water quality and environmental minimization measures shall be in place to ensure that functions and values of designated prime wetlands and duly-established 100-foot buffers are protected. No activity shall be conducted in such a way as to cause or contribute to any violation of surface water quality standards per Env-Wt 307.03(a).
15. All work including management of soil stockpiles, shall be conducted so as to minimize erosion, minimize sediment transfer to surface waters or wetlands, and minimize turbidity in surface waters and wetlands per Env-Wt 307.03(b).
16. In accordance with Env-Wt 307.03(f)(1), a cofferdam or other turbidity control shall be used to enclose a dredging project conducted in or along the shoreline of a bog, marsh, lake, pond, stream, river, creek, or any other surface water, provided that a coffer dam shall not be installed during periods of high flow.
17. In accordance with Env-Wt 307.10(c), turbidity controls shall be installed prior to construction and maintained during construction such that no turbidity escapes the immediate dredge area; and remain in place until suspended particles have settled and water at the work site has returned to normal clarity.

18. In accordance with Env-Wt 307.03(c)(3), water quality control measures shall be installed prior to start of work and in accordance with the manufacturer's recommended specifications.
19. In accordance with Env-Wt 307.03(c)(1), water quality control measures shall be selected and implemented based on the size and nature of the project and the physical characteristics of the site, including slope, soil type, vegetative cover, and proximity to jurisdictional areas.
20. In accordance with Env-Wt 307.03(c)(2), water quality control measures shall be comprised of wildlife-friendly erosion control materials if erosion control blankets are utilized.
21. In accordance with Env-Wt 307.03(c)(5), water quality control measures shall be maintained so as to ensure continued effectiveness in minimizing erosion and retaining sediment on-site during and after construction.
22. In accordance with Env-Wt 307.03(c)(6), water quality control measures shall remain in place until all disturbed surfaces are stabilized to a condition in which soils on the site will not experience accelerated or unnatural erosion by achieving and maintaining a minimum of 85% vegetative cover using an erosion control seed mix, whether applied in a blanket or otherwise, that is certified by its manufacturer as not containing any invasive species; or placing and maintaining a minimum of 3 inches of non-erosive material such as stone.
23. In accordance with Env-Wt 307.03(c)(7), temporary water quality control methods shall be removed upon completion of work when compliance with Env-Wt 307.03(c)(6) is achieved.
24. In accordance with Env-Wt 307.10(f), dredged materials to be stockpiled in uplands shall be dewatered in sedimentation basins that are contained within turbidity controls that prevent turbid water from leaving the basins; and located outside of any jurisdictional area.
25. In accordance with Env-Wt 307.10(d), dredged materials shall be disposed of out of jurisdictional areas, unless other disposition is specifically permitted pursuant to Env-Wt 307.10(e).
26. In accordance with Env-Wt 307.11(b), limits of fill shall be clearly identified prior to commencement of work and controlled in accordance with Env-Wt 307.03 to ensure that fill does not spill over or erode into any area where filling is not authorized.
27. In accordance with Env-Wt 307.11(a), fill shall be clean sand, gravel, rock, or other material that meets the project's specifications for its use; and does not contain any material that could contaminate surface or groundwater or otherwise adversely affect the ecosystem in which it is used.
28. In accordance with Env-Wt 307.05(e), to prevent the use of soil or seed stock containing nuisance or invasive species, the contractor responsible for work shall follow Best Management Practices for the Control of Invasive and Noxious Plant Species (Invasive Plant BMPs).
29. In accordance with Env-Wt 307.03(e), all exposed soils and other fills shall be permanently stabilized within 3 days following final grading.
30. In accordance with Env-Wt 307.11(c), slopes shall be immediately stabilized to prevent erosion into adjacent wetlands or surface waters.
31. In accordance with Env-Wt 307.12(i), wetland areas where permanent impacts are not authorized shall be restored to their pre-impact conditions and elevation by replacing the removed soil and vegetation in their pre-construction location and elevation such that post-construction soil layering and vegetation schemes are as close as practicable to pre-construction conditions.
32. In accordance with Env-Wt 307.12(e), wetland soils from areas vegetated with purple loosestrife, common reed, or other state-listed invasive plant species shall not be used in the area being restored.

33. In accordance with Env-Wt 307.12(g), a temporary impact area restored by seeding or plantings shall not be deemed successful if the area is invaded by nuisance species such as common reed or purple loosestrife during the first full growing season following the completion of construction; and a remediation plan shall be submitted to the department that proposes measures to be taken to eradicate nuisance species during this same period.
34. In accordance with Env-Wt 307.12(f), if any temporary impact area that is stabilized with seeding or plantings does not have at least 75% successful establishment of wetlands vegetation after 2 growing seasons, the area shall be replanted or reseeded, as applicable.
35. In accordance with Env-Wt 807.03(b), within 60 days of completing a mitigation project that included restoration, enhancement, or creation of wetlands or the restoration or enhancement of a stream, or both, the applicant shall submit a post-construction monitoring report, documenting the conditions of the restored, enhanced, or constructed wetland or restored or enhanced stream.
36. In accordance with Env-Wt 807.03(a), within 60 days of completing a mitigation project that included restoration, enhancement, or creation of wetlands or the restoration or enhancement of a stream, or both, the applicant shall submit a signed letter specifying the date of completion and the anticipated dates of submittal of the annual monitoring reports.
37. In accordance with Env-Wt 807.04(a), the permittee responsible for a mitigation project shall submit monitoring reports to the department as specified in the mitigation monitoring plan required by Env-Wt 803.04.
38. In accordance with Env-Wt 803.04(b)(1), mitigation project monitoring shall span no fewer than 5 growing seasons for any mitigation project that includes plantings.
39. In accordance with Env-Wt 307.18(a), compensatory mitigation project monitoring reports shall be submitted to the department in accordance with Env-Wt 803.04.
40. In accordance with Env-Wt 807.04(b), the permittee shall submit a final monitoring report.

EXPLANATION

NHDES approved this project on July 05, 2024. NHDES supported its decision with the following findings:

1. This project is classified as a major impact project per Rule Env-Wt 903.01(g)(3)(b), for a project to replace tier 4 stream crossing, and per Rule Env-Wt 407.02(a), as the project impacts a priority resource area (PRA) and does not qualify for a project-type exception (PTE) under Env-Wt 407.04, regardless of the size of impact.
2. The impacts within the protected shoreland associated with this project are approved under NHDES Shoreland Permit 2024-00562.
3. On May 26, 2023, the department received correspondence from the Natural Heritage Bureau (NHB) dated May 11, 2023, stating that "Transplanting will be an acceptable approach for the [protected plant species]."
4. On November 6, 2023, NHDES received a copy of the "[Protected plant species] Transplant Report" indicating that the affected plants were transplanted to a new location on the property adjacent to an existing stand of the species.
5. On March 1, 2024 and May 22, 2023, the department received correspondence from the NHB, indicating that the coordination regarding the protected plant species was completed and that "there is no anticipated impact to [the exemplary natural community] for this project," respectively.

6. On May 26, 2023, the department received correspondence from the NH Fish and Game Department (NHF&G) dated May 8, 2023, stating that "they do not anticipate impacts to [the protected anadromous fish species] from this project, however we would prefer that the work occur during the normal dredge window (Nov 15th-Mar 15th). If this will not be possible, please contact us for BMPs to avoid sedimentation."
7. On February 13, 2024, the department received correspondence from the NHF&G dated May 11, 2023, and February 5, 2024, authorizing work related to the pile installation and the construction of the westerly bridge abutment to take place outside of the normal dredge window (November 15th-March 15th), provided that proper BMPs and turbidity curtains are in place and that all work takes place in the dry during low tide.
8. On May 11, 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.
9. The crossing is deemed self-mitigating because 5,020 SF of existing fill below the mean high water line currently restricts tidal flows. This fill will be removed as part of the project. The replacement crossing will install new fill below the mean high water line, farther landward. There will be a net increase of fill of approximately 280 SF.
10. Per Rule Env-Wt 801.03(a)(2) and Env-Wt 704.03, for impacts in a prime wetland and prime wetland buffer, the department is accepting an on-site permittee-responsible mitigation proposal that uses wetland enhancement/establishment as compensatory mitigation for 26,496 SF of permanent impacts to the Prime Wetland and Duly-established Prime Wetland Buffer.
11. The applicant is providing 16,340 square feet of tidal buffer enhancement (plantings) and 7,491 square feet of salt marsh restoration and as permittee-responsible State of NH compensatory mitigation for permanent impacts to jurisdictional upland areas (prime wetland buffer and undeveloped tidal buffer zone) in accordance with Env-Wt 803.07.
12. Per Rule Env-Wt 803.09(a), the applicant has demonstrated that the alternative permittee-responsible compensatory mitigation proposal, will have greater benefit to water quality, wildlife, aquatic life, habitat(s) for wildlife or aquatic life, or other functions and values of wetlands and surface waters identified in RSA 482-A:1.
13. Per Rule Env-Wt 803.09(c), the alternative compensatory mitigation allowed under Env-Wt 803.09(a) or (b), has met all other applicable requirements of Env-Wt 800.
14. Per Rule Env-Wt 204.05(a), the department has granted a waiver to the requirement established in Rules Env-Wt 706.01(b) and Env-Wt 904.10(c)(1)(c). Granting the waivers will not result in an avoidable adverse impact on the environment or natural resources of the state, including but not limited to jurisdictional areas and protected species or habitat, an avoidable adverse impact on public health or public safety, an impact on abutting properties that is more significant than that which would result from complying with the rules, a statutory requirement being waived, and any benefit to the public or the environment from complying with the rules is outweighed by the operational or economic costs to the applicant.
15. Per Rule Env-Wt 706.05(b), the department has issued a waiver to perform work not addressed by Env-Wt 706.01(a) in a portion of a duly-established 100-foot buffer on the subject property, on grounds that the department has determined that there will be no significant net loss of wetland values as identified by the local conservation commission or local governing authority; and in RSA 482-A:1.

16. Per Rule Env-Wt 202.01(b) in accordance with RSA 482-A:8, NHDES finds that the requirements for a public hearing do not apply as the project will not have a significant environmental impact, as defined in Env-Wt 104.21, or adversely affect the values of the resources protected by RSA 482-A, or, is not of substantial public interest, as defined in Env-Wt 104.34, and the applicant obtained concurrence from the local conservation commission for the proposed mitigation plan for impacts to designated prime wetlands/buffer in accordance with Env-Wt 704.03(d).

NHDES Wetlands Bureau permit #2023-01406 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

NHDES-W-06-012

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: ADL 325 Little Harbor Road Trust **TOWN NAME:** Portsmouth

RECEIVED Administrative MAY 26 2023 Only NHDES LAND RESOURCES MANAGEMENT	COMPLETE Use MAY 26 2023	Administrative Use Only	File No.: 2023 0[illegible]06 Check No.: 23975 Amount: 2643.20 Initials: MM

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 1 - REQUIRED PLANNING FOR ALL PROJECTS (Env-Wt 306.05; RSA 482-A:3, I(d)(2))

Please use the Wetland Permit Planning Tool (WPPT), 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?	☒ Yes ☐ No
Does the property contain a PRA? If yes, provide the following information:	☒ Yes ☐ No
• 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.	☐ Yes ☒ No
• Protected species or habitat? o If yes, species or habitat name(s): Marsh elder, Eel grass beds, Atlantic Sturgeon, Shortnose Sturgeon o NHB Project ID #: NHB23-0723	☒ Yes ☐ No
• Bog?	☐ Yes ☒ No
• Floodplain wetland contiguous to a tier 3 or higher watercourse?	☐ Yes ☒ No
• Designated prime wetland or duly-established 100-foot buffer?	☒ Yes ☐ No
• Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone?	☒ Yes ☐ No
Is the property within a Designated River corridor? If yes, provide the following information: • Name of Local River Management Advisory Committee (LAC): N/A	☐ Yes ☒ No

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

SECTION 2 - PROJECT DESCRIPTION (Env-Wt 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.

Permanently impact 36,342 SF of Tidal Waters, 3,443 SF of Tidal Marsh and 26,298 SF of the Developed Upland Tidal Buffer Zone for the purpose replacing an existing failing bridge with a new bridge on wooden piles that spans the tidal resource area. The existing causeways within public waters will be removed, salt marsh area will be restored, and the developed upland buffer will be enhanced with native vegetation. This project also proposes to connect Lady Isle to municipal utilities.

SECTION 3 - PROJECT LOCATION

Separate wetland permit applications must be submitted for each municipality within which wetland impacts occur.

ADDRESS: 325 Little Harbor Road
TOWN/CITY: Portsmouth, NH
TAX MAP/BLOCK/LOT/UNIT: Tax Map: 205, Lot: 2 & Tax Map 204, Lot: 5
US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME: Piscataqua River ☐ N/A
(Optional) LATITUDE/LONGITUDE in decimal degrees (to five decimal places): 43.065188° North

	70.745992° West	
SECTION 4 - APPLICANT (DESIRED PERMIT HOLDER) INFORMATION (Env-Wt 311.04(a)) If the applicant is a trust or a company, then complete with the trust or company information.		
NAME: ADL 325 Little Harbor Road Trust		
MAILING ADDRESS: [redacted]		
TOWN/CITY: [redacted]	STATE: [redacted]	ZIP CODE: [redacted]
EMAIL ADDRESS: [redacted]		
FAX:	PHONE: private	
ELECTRONIC COMMUNICATION: By initialing here: , I hereby authorize NHDES to communicate all matters relative to this application electronically.		
SECTION 5 - AUTHORIZED AGENT INFORMATION (Env-Wt 311.04(c)) ☐ N/A		
LAST NAME, FIRST NAME, M.I.: Aube, Jason, R.		
COMPANY NAME: TFMoran, Inc.		
MAILING ADDRESS: 170 Commerce Way, Suite 102		
TOWN/CITY: Portsmouth	STATE: NH	ZIP CODE: 03801
EMAIL ADDRESS: jaube@tfmoran.com		
FAX:	PHONE: 603-431-2222	
ELECTRONIC COMMUNICATION: By initialing here JRA, I hereby authorize NHDES to communicate all matters relative to this application electronically.		
SECTION 6 - PROPERTY OWNER INFORMATION (IF DIFFERENT THAN APPLICANT) (Env-Wt 311.04(b)) If the owner is a trust or a company, then complete with the trust or company information. ☒ 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.		

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: 01 Day: 17 Year: 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).

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/rivers, 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			☐			☐
	Scrub-shrub Wetland			☐			☐
	Emergent Wetland			☐			☐
	Wet Meadow			☐			☐
	Vernal Pool			☐			☐
	Designated Prime Wetland			☐			☐
	Duly-established 100-foot Prime Wetland Buffer			☐			☐
Surface Water	Intermittent / Ephemeral Stream			☐			☐
	Perennial Stream or River			☐			☐
	Lake / Pond			☐			☐
	Docking - Lake / Pond			☐			☐
	Docking - River			☐			☐
Banks	Bank - Intermittent Stream			☐			☐
	Bank - Perennial Stream / River			☐			☐
	Bank / Shoreline - Lake / Pond			☐			☐
Tidal	Tidal Waters	36,342		☐			☐
	Tidal Marsh	3,443		☐			☐
	Sand Dune			☐			☐
	Undeveloped Tidal Buffer Zone (TBZ)			☐			☐
	Previously-developed TBZ	26,298		☐			☐
	Docking - Tidal Water			☐			☒
TOTAL		66,083					

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):	66,083 SF	× $0.40 =	$ 26,433.20
Seasonal docking structure:	SF	× $2.00 =	$
Permanent docking structure:	SF	× $4.00 =	$
Projects proposing shoreline structures (including docks) add $400		=	$
		Total =	$ 26,433.20
The application fee for minor or major impact is the above calculated total or $400, whichever is greater		=	$ 26,433.20

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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: SR	To the best of the signer's knowledge and belief, all required notifications have been provided.
Initials: SR	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: SR	The signer understands that: • The submission of false, incomplete, or misleading information constitutes grounds for NHDES to: 1. Deny the application. 2. Revoke any approval that is granted based on the information. 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. • 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.
Initials: SR	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): Stephen Roberts	PRINT NAME LEGIBLY: Stephen H. Roberts	DATE: 5/23/23
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER):	PRINT NAME LEGIBLY:	DATE:
SIGNATURE (AGENT, IF APPLICABLE): Jason Aube	PRINT NAME LEGIBLY: Jason Aube of TFMoran, Inc.	DATE: 5/19/2023

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: Kelli L. Barnaby	PRINT NAME LEGIBLY: Kelli L. Barnaby
TOWN/CITY: Portsmouth	DATE: May 24, 2023

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.

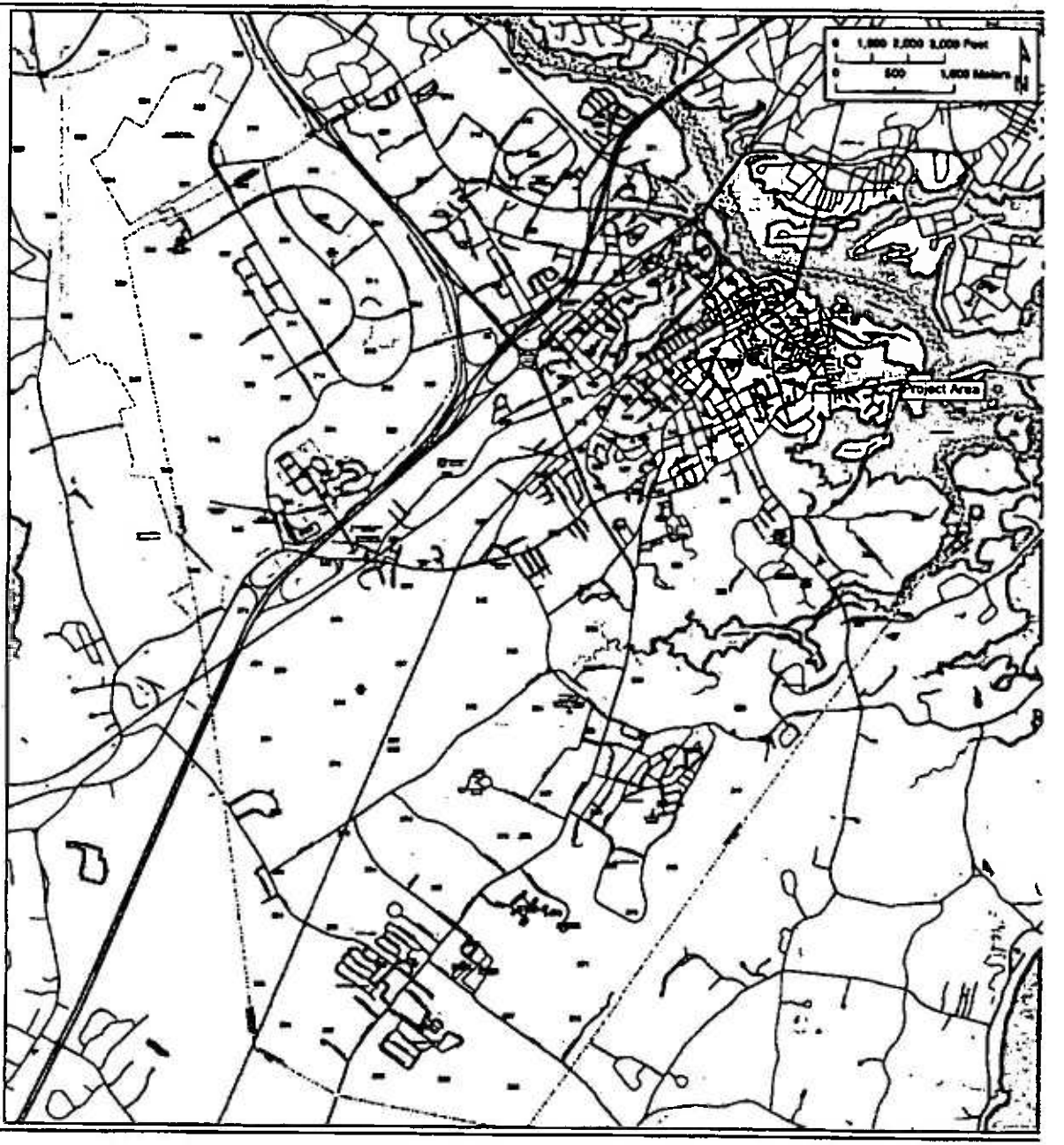
DIRECTIONS FOR APPLICANT:
Submit the original permit application form bearing the signature of the Town/City Clerk, additional materials, and the application fee to NHDES by mail or hand delivery at the address at the bottom of this page. Make check or money order payable to "Treasurer – State of NH".

City of Portsmouth
2019 Rural Tax Maps

Maps 201-205

Tax Map Legend

- Lot or Lot-Unit Number
- Parcel Area in Acres
- Address Number
- Parcel Number from a Neighboring Map
- Parcel Line Dimension
- Street Name
- Piscataqua River — Water Body
- Cemetery
- Parcel Assigned to the Current Map
- Parcel from Another Map (please refer to the appropriate map)
- Water
- Parcel in Current Use
- Line Between Parcels
- Line Between Parcel and Right of Way
- Line Between Parcel and Water
- City Line
- New Hampshire Air National Guard (NHANG) Boundary
- Pease International Tradeport Boundary
- Structure (2004 data)
- Bulkheading Post (2005 data)
- Railroad Track



Portsmouth, New Hampshire
2022
Tax Map 204

USGS MAP
Scale 1:5,000

USGS MAP
Scale 1:24,000

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. 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, or (603) 271-8614.

ACTION SHEET
CONSERVATION COMMISSION

1 JUNKINS AVENUE
PORTSMOUTH, NEW HAMPSHIRE
EILEEN DONDERO FOLEY COUNCIL CHAMBERS

3:30 P.M. **June 14, 2023**

MEMBERS PRESENT: Vice- Chair Barbara McMillan; Members: Allison Tanner, Lynn Vaccaro, Jessica Blasko, Stewart Sheppard; Alternates: Abigail Gindele and Brian Gibb

MEMBERS ABSENT: Chair Samantha Collins; Thaddeus Jankowski

ALSO PRESENT: Peter Britz, Environmental Planner/Sustainability Coordinator and Kate Homet, Associate Environmental Planner

I. APPROVAL OF MINUTES

1. May 10, 2023

After due deliberation, the Commission voted to approve the minutes as presented.

II. CONDITIONAL USE PERMIT APPLICATIONS (NEW BUSINESS)

1. 325 Little Harbor Road
ADL 325 Little Harbor Road Trust, owner
Stephen H. Roberts. Esq. Trustee, co-owner
Assessor Map 205, Lot 2

After due deliberation, the Commission voted to recommend approval of the Wetland Conditional Use Permit to the Planning Board with the following stipulations:

1. In accordance with Section 10.1018.40 of the Zoning Ordinance, applicant shall install permanent wetland boundary markers adjacent to the freshwater wetland areas during project construction. These can be purchased through the City of Portsmouth Planning and Sustainability Department.
2. Applicant shall provide a monitoring report detailing the success of the planting plan one year after project completion and demonstrate compliance with the NHDES monitoring requirements when complete.
3. The Salicornia be relocated or added to the planting plan as additional plantings.
4. An independent wetland scientist that specializes in salt marsh restoration shall be hired to review the salt marsh restoration plan and provide comments back to the applicant.
5. The applicant shall research ways to reduce the disturbance to the local Nudibranch fish population.

1. Article 10 Proposed Changes

Acting Chair McMillan introduced this item and noted that they would accept those changes as they were presented and schedule a work session with the Planning Board, or they could have some more discussion as a Commission.

Acting Chair McMillan introduced an additional Other Business item to the agenda. The NHDES is proposing changes to the state wetland rules which will impact the work of local Conservation Commissions. Acting Chair McMillan noted that both she and Ms. Vaccaro had attended a workshop on these proposed changes.

VI. ADJOURNMENT

At 6:02 p.m., the Commission voted to adjourn the meeting.

PEASE
INTERNATIONAL
PORTS AND HARBORS

May 11, 2023

NH Department of Environmental Service
Coastal Division
Pease Field Office
222 International Drive, Suite 175
Portsmouth, NH 03801

Attn: Kristin Duclos

Re: Lady Isle Bridge

Dear Kristin,

We reviewed plans for the replacement of an existing bridge with site improvements on the Piscataqua River back channel in Portsmouth on property at

325 Little Harbor Road
Portsmouth, NH
Map 205 Lot 2

We examined the proposed site and found that the project will have no negative effect on navigation in the channel.

Sincerely,

Tracy R. Shattuck
Chief Harbor Master

Cc: Duncan Mellor
Civilworks New England/Haight Engineering
181 Watson Road
Dover, New Hampshire 03821

TFM

Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

Abutters List

Dilorenzo - Lady Isle Bridge Replacement Project
325 Little Harbor Road, Portsmouth, NH 03801
May 16, 2023
47099.01

Assessors Map		Abutter Name	Mailing Address
Map	Lot		
204	4	LISA M. OAKES	[redacted]
204	5	LISA A. GRONDAHL REVOCABLE TRUST	[redacted]
204	7	CITY OF PORTSMOUTH CONSERVATION COMMISSION	1 JUNKINS AVE PORTSMOUTH, NH 03801
Civil Engineers / Surveyor		TFMoran, Inc.	170 Commerce Way - Suite 102 Portsmouth, NH 03801
Environmental / Wetlands Scientist		Kyra Higgins	170 Commerce Way - Suite 102 Portsmouth, NH 03801
Architect		York Bridge Concepts	3423 Brunello Trce Lutz, FL 33558

RECEIVED
MAY 26 2023
NHDES
LAND RESOURCES MANAGEMENT

NOTES

1. QUALIFIED COASTAL PROFESSIONAL JASON R. AUBE (CWS #333), USING THE PUBLISHED DATA COMPLETED THE WETLAND FUNCTIONAL ASSESSMENT AND WETLAND CLASSIFICATION.

WETLAND CLASSIFICATION

	PALUSTRINE FORESTED BROAD-LEAVED DECIDUOUS	E2US3M	ESTAURINE INTERTIDAL UNCONSOLIDATED SHORE MUD IRREGULARLY FLOODED
	ESTAURINE INTERTIDAL EMERGENT PERSISTENT IRREGULARLY FLOODED	E2RS1/2N	ESTAURINE INTERTIDAL ROCKY SHORE BEDROCK EUHALINE/EUSALINE REGULARLY FLOODED
	ESTAURINE INTERTIDAL UNCONSOLIDATED SHORE COBBLE/GRAVEL/SAND REGULARLY FLOODED		

REV	DATE	DESCRIPTION	DR	CK
2	10/13/2023	NO REVISIONS THIS SHEET		
1	8/14/2023	ADDITION OF E2US2N WETLAND	JKC	JCC

BRIDGE PERMITTING PLANS

TAX MAP 205 LOT 2

WETLAND CLASSIFICATION PLAN

LADY ISLE BRIDGE REPLACEMENT

325 LITTLE HARBOR ROAD, PORTSMOUTH, NH

OWNED BY & PREPARED FOR

ADL 325 LITTLE HARBOR ROAD TRUST

1"=120' (11"x17")
SCALE: 1"=60' (22"x34")

FEBRUARY 7, 2024

Seacoast Division
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Structural Engineers
Traffic Engineers
Land Surveyors
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Scientists
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Portsmouth, NH 03801
Phone (603) 431-2222
Fax (603) 431-0910
www.tfmoran.com

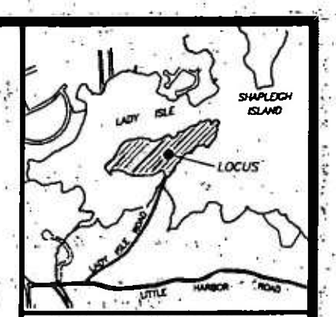
47099.01	DR	KRH	FB		BR-01
	CK	JKC	CADFILE	47099-01_WETLAND CLASSIFICATION	

Jul 03, 2024 - 3:15pm
F:\MSC Projects\47099 - ... 325 Little Harbor Rd\Design\PRODUCTION DWG\BRIDGE\47099-01_Wetland Classification.dwg

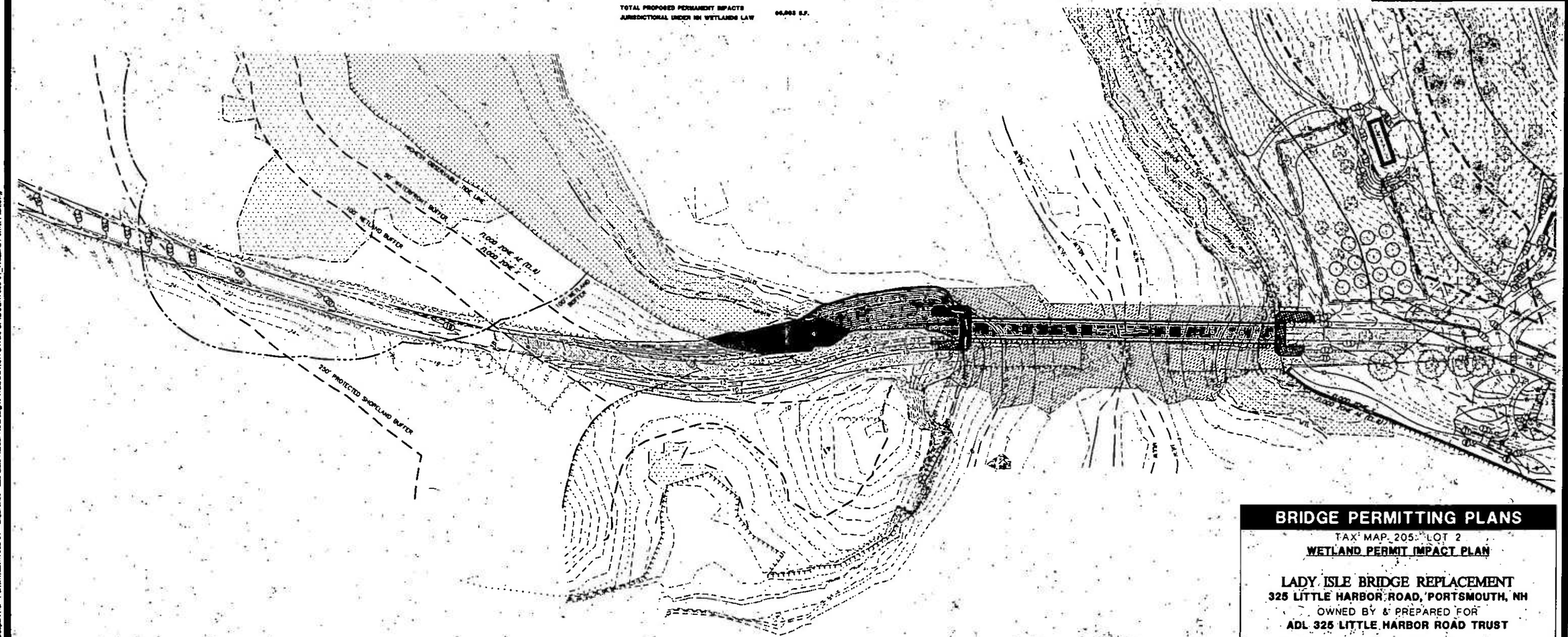
IMPACT AREA	
PROPOSED PERMANENT IMPACTS WITHIN THE DEVELOPED UPLAND TIDAL BUFFER ZONE	20,296 S.F.
PROPOSED PERMANENT IMPACTS BELOW MOTL (SEE BELOW)	20,786 S.F.
PROPOSED PERMANENT IMPACTS FOR THE PURPOSE OF RESTORING THE TIDAL AREA	33,499 S.F.
PROPOSED PERMANENT IMPACTS FOR THE PURPOSE OF ADDING MATERIAL TO CONSTRUCT THE NEW SOUTH BRIDGE APPROACH	12,843 S.F.
PROPOSED SALT MARSH IMPACTS FOR THE PURPOSE OF ADDING MATERIAL TO CONSTRUCT THE NEW SOUTH BRIDGE APPROACH	3,443 S.F.
TOTAL PROPOSED PERMANENT IMPACTS JURISDICTIONAL UNDER NH WETLANDS LAW	66,865 S.F.

TIDAL ELEVATIONS	
MHHW	4.18
MHW	3.76
MTL	-0.32
MLW	-4.39
MLLW	-4.71

TIDAL ELEVATIONS ARE BASED ON NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) STATION 8423898, SEAVEY ISLAND, ME AND AS USED WITHIN THE TOWN OF PORTSMOUTH VULNERABILITY ASSESSMENT PREPARED BY THE ROCKINGHAM PLANNING COMMISSION, SEPTEMBER, 2015 AND INCLUDED WITH THE WETLANDS PERMIT APPLICATION. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)



LOCATION PLAN



BRIDGE PERMITTING PLANS

TAX MAP 205, LOT 2

WETLAND PERMIT IMPACT PLAN

LADY ISLE BRIDGE REPLACEMENT

325 LITTLE HARBOR ROAD, PORTSMOUTH, NH

OWNED BY & PREPARED FOR

ADL 325 LITTLE HARBOR ROAD TRUST

1"=100' (11"x17")

SCALE: 1"=50' (22"x34")

FEBRUARY 7, 2024

HORIZONTAL SCALE 1"=50'

50 25 0 50

REV.	DATE	DESCRIPTION	DR	CK
3	3/5/2024	REVISED PER NHDES COMMENTS	JKC	JDC
2	10/13/2023	REVISED PER NHDES COMMENTS	JKC	JDC

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

JOB	DR	KRH	FB		
47099.01	CK	JKC	CADFILE	47099-01_WETLAND PERMIT PLAN	BR-02

Jul 03, 2024 - 3:16pm
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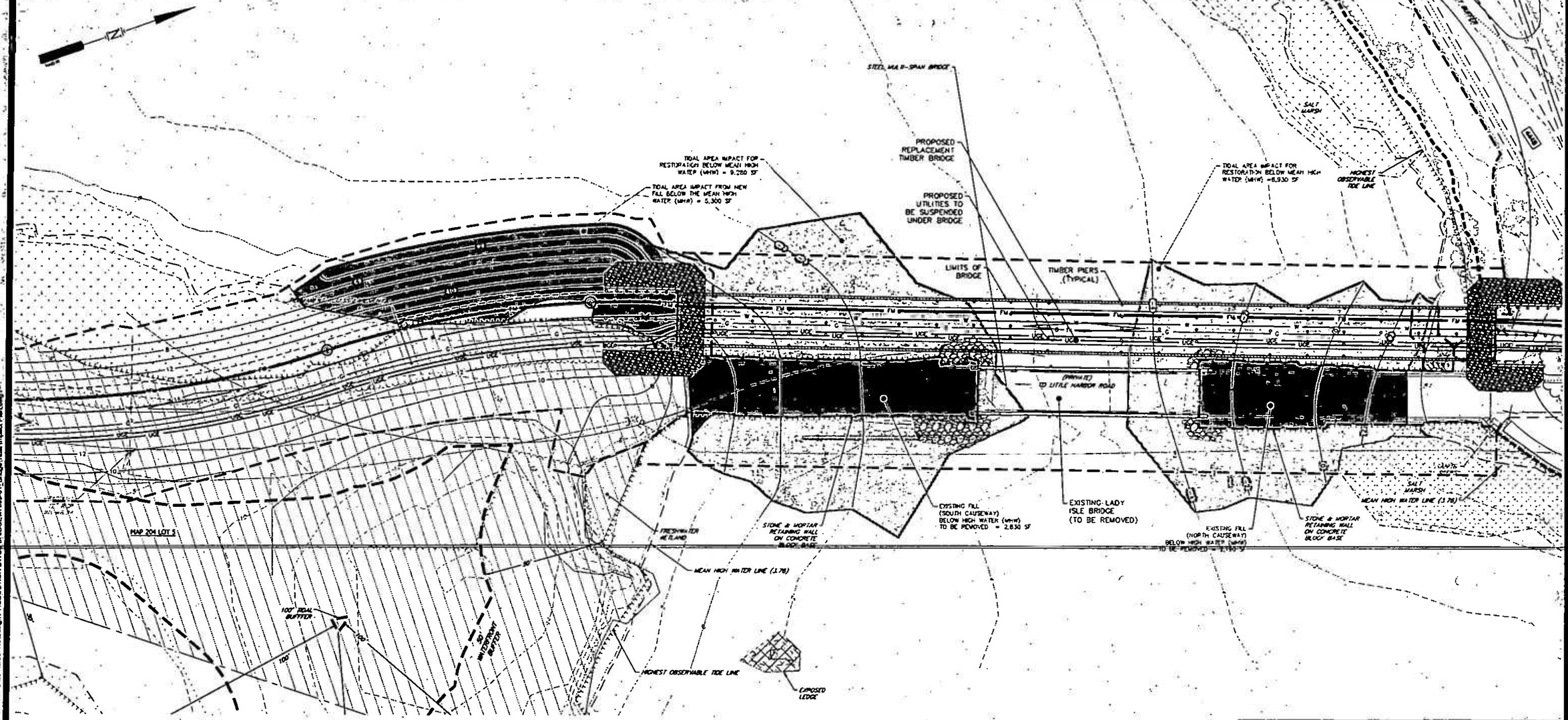


LEGEND

- GAS LINE
- WATER LINE
- UNDERGROUND UTILITIES LINE
- SEWER – FORCE MAINE
- SEWER MANHOLE
- SALT WATER MARSH
- FRESH WATER WETLAND
- RIPRAP ABUTMENTS
- EDGE OF WOODS
- HIGHEST OBSERVABLE TIDE LINE (HOTL)
- MEAN HIGH WATER LINE (MHW)

TIDAL AREA IMPACTS BELOW MEAN HIGH WATER (MHW)	
DESCRIPTION	AREA (SF)
NEW FILL FOR BRIDGE ABUTMENTS	5,300
FILL REMOVAL OF EXISTING CAUSEWAYS	5,020
NET INCREASE IN FILL BELOW MHW	280

TIDAL AREA RESTORATION BELOW MEAN HIGH WATER (MHW)	
DESCRIPTION	AREA (SF)
REMOVAL OF EXISTING FILL (SOUTH CAUSEWAY)	2,830
REMOVAL OF EXISTING FILL (NORTH CAUSEWAY)	2,190
TOTAL REMOVAL OF EXISTING CAUSEWAYS (TOTAL)	5,020
GRADING TO MATCH EXISTING GRADES	16,310
TOTAL RESTORATION	21,330

NOTE:

THE MEAN HIGH WATER (MHW) ELEVATION OF 3.78 FEET WAS DETERMINED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ASSOCIATION (NOAA) SEAVEY ISLAND, MAINE TIDAL STATION 8419870 USING NAVD 88 DATUM.

HORIZONTAL SCALE 1"=20'
20 10 0 20

BRIDGE PERMITTING PLANS

TAX MAP 205 LOT 2

ARMY CORP OF ENGINEERS IMPACT PLAN

LADY ISLE BRIDGE REPLACEMENT

325 LITTLE HARBOR ROAD, PORTSMOUTH, NH

OWNED BY & PREPARED FOR

ADL 325 LITTLE HARBOR ROAD TRUST

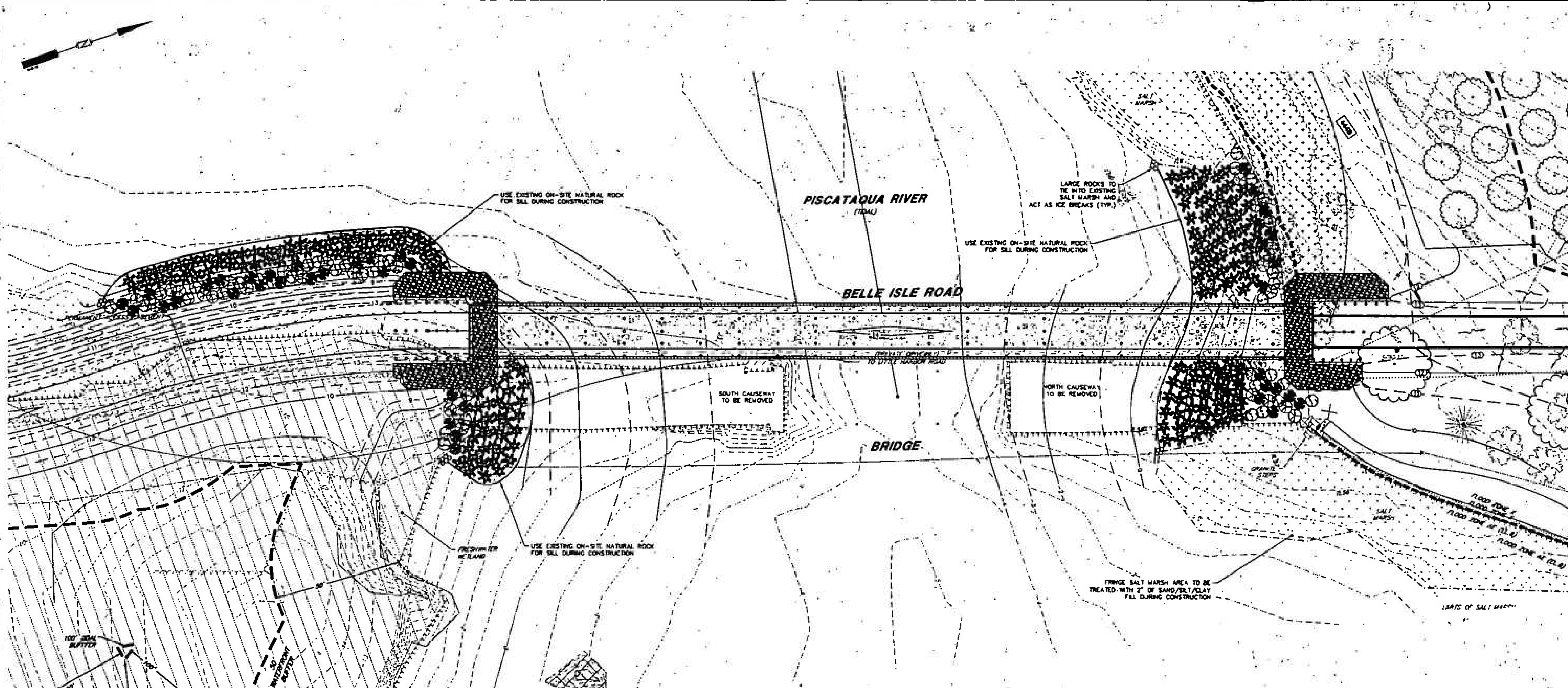
1"=40' (11"x17")
SCALE: 1"=20' (22"x34")

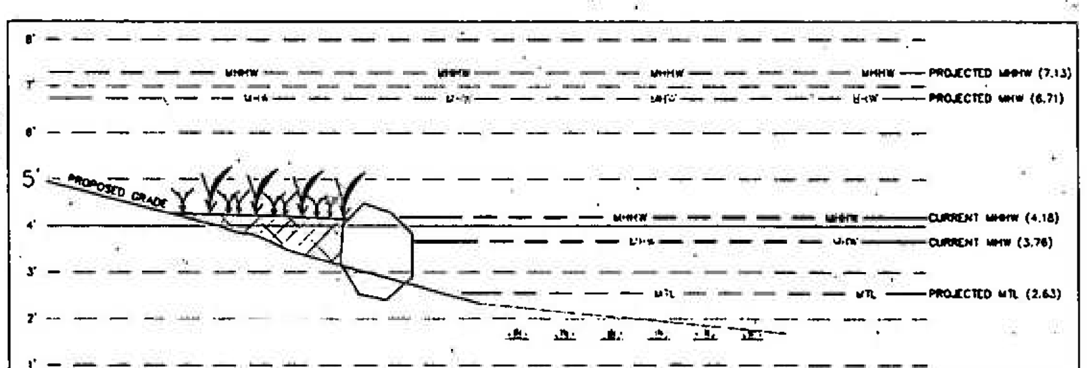
FEBRUARY 7, 2024

REV	DATE	DESCRIPTION	DR	CK
2	10/13/2023	NO REVISIONS THIS SHEET		

Seacoast Division
TFM Moran
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

FILE	DR	KRH	FB	CK	JVC	CADFILE	BR-03
47099.01						47099-01_BRIDGE IMPACT PLAN	





TOE PROTECTION PROFILE

PLANTING LEGEND - HIGH MARSH		
SYMBOL	PLANT TYPE	QUANTITY
	SWITCHGRASS (PANICUM VIRGATUM) OR PRARIE CORDGRASS (SPARTINA PECTINATA)	41
	SALTGRASS (DISTICHLIS SPICATA)	40
	BLACK GRASS (JUNCUS GERARDII)	25

PLANTING LEGEND - LOW MARSH		
SYMBOL	PLANT TYPE	QUANTITY
	SMOOTH CORDGRASS (SPARTINA ALTERNIFLORA)	201

HORIZONTAL SCALE 1"=20'
20 10 0 20

REV	DATE	DESCRIPTION	DR	CK
2	10/13/2023	NO REVISIONS THIS SHEET		
1	7/19/2023	REVISED PER NHDES COMMENTS	JKC	JCC

BRIDGE PERMITTING PLANS

TAX MAP 205 LOT 2

TIDAL AREA RESTORATION PLAN

LADY ISLE BRIDGE REPLACEMENT

325 LITTLE HARBOR ROAD, PORTSMOUTH, NH

OWNED BY & PREPARED FOR

ADL 325 LITTLE HARBOR ROAD TRUST

SCALE: 1"=40' (11"x17")
1"=20' (22"x34")

FEBRUARY 7, 2024

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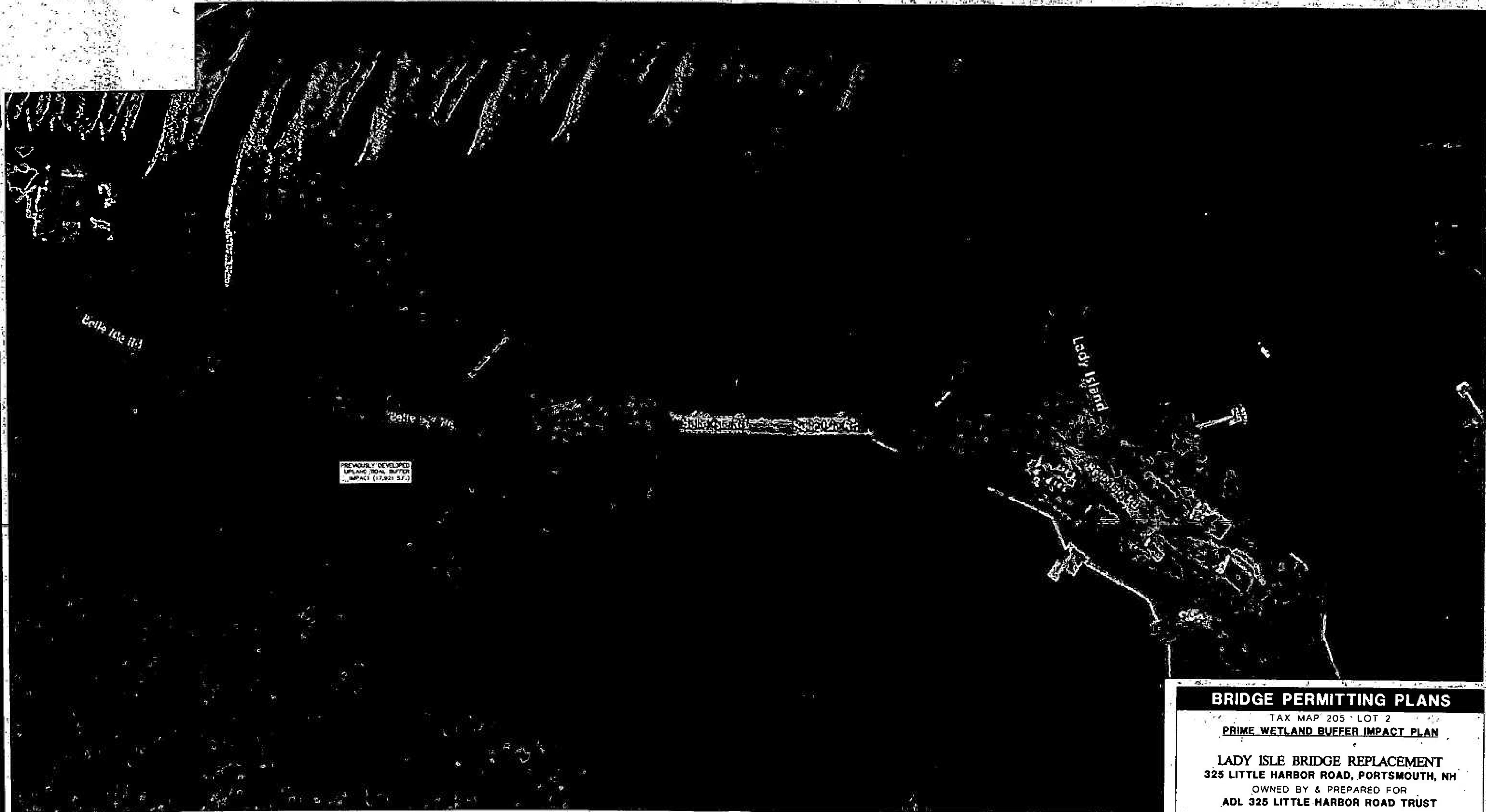
47099.01 | DR | KBH | FB | CK | JKC | CADFILE | 47099-01_BRIDGE RESTORATION PLAN

BR-04



TOTAL IMPACTS		
(cross-hatch)	WITHIN PRIME WETLAND BUFFER	24,884 S.F.
(diagonal hatch)	WITHIN PRIME WETLAND	1,832 S.F.

LEGEND	
	PRIME WETLAND
(stipple)	PRIME WETLAND BUFFER

HORIZONTAL SCALE 1"=80'
80 40 0 80

REV	DATE	DESCRIPTION	DR	CK
3	2/5/2024	REVISED PER NHDES COMMENTS	JKC	JDC
2	10/13/2023	REVISIONS PER NHDES COMMENTS	JKC	JDC
1	8/14/2023	ADDITION OF IMPACTS TABLE TO PLAN	JKC	JDC

BRIDGE PERMITTING PLANS

TAX MAP 205 LOT 2

PRIME WETLAND BUFFER IMPACT PLAN

LADY ISLE BRIDGE REPLACEMENT

325 LITTLE HARBOR ROAD, PORTSMOUTH, NH

OWNED BY & PREPARED FOR

ADL 325 LITTLE HARBOR ROAD TRUST

1"=160' (11"x17")
SCALE: 1"=80' (22"x34")

FEBRUARY 7, 2024

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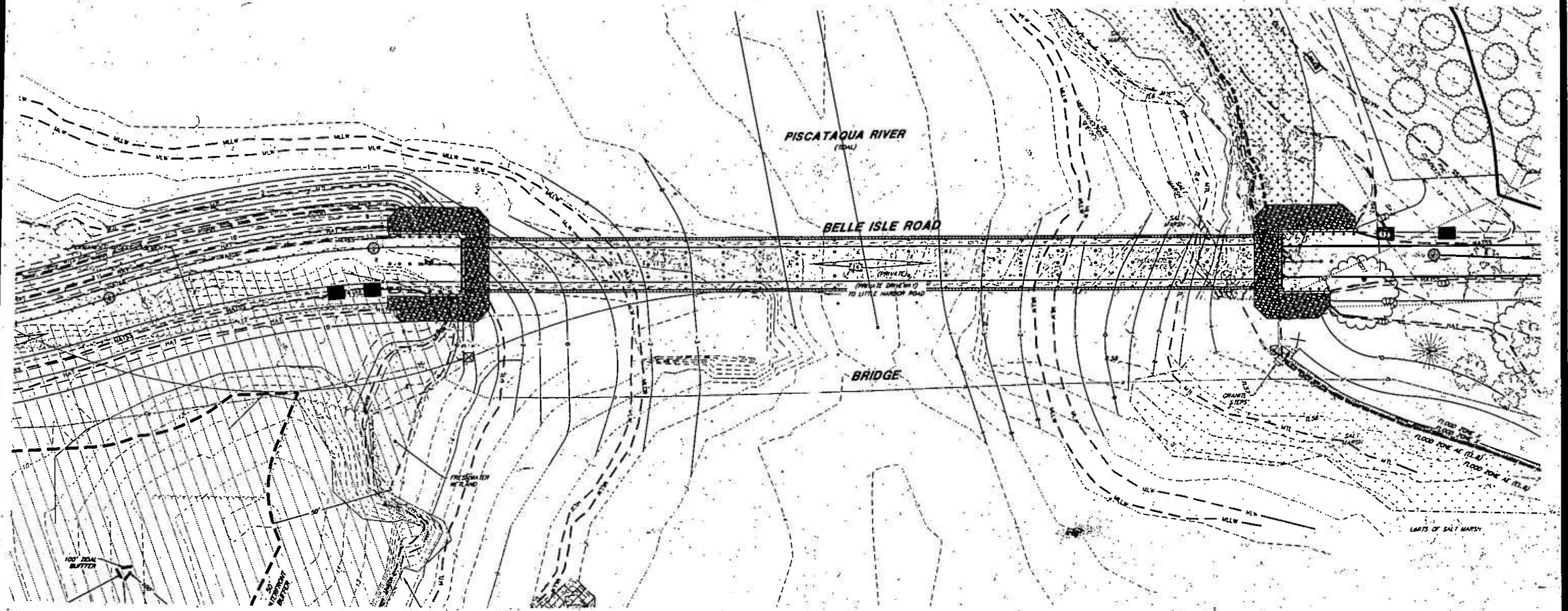
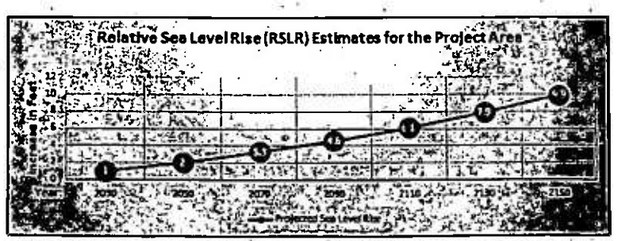
FILE 47099.01 DR KRH FB CK JKC CADFILE 47099-01_PRIME WETLAND PLAN

BR-06

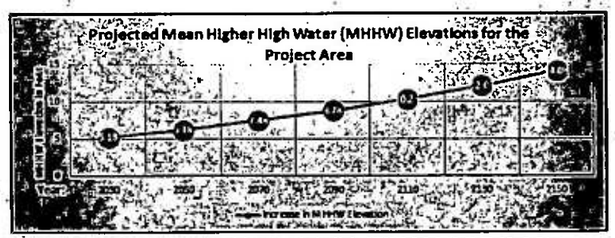


TIDAL ELEVATIONS			
	2023	2100(PROJECTED)	
HAT	5.87	11.22	
HAT + SS	7.87	13.22	
MHHW	4.18	7.13	
MHW	3.76	6.71	
MTL	-0.32	2.63	
MLW	-4.39	-1.44	
MLLW	-4.71	-1.76	

TIDAL ELEVATIONS ARE BASED ON NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) STATION 8423898, SEAVEY ISLAND, ME AND AS USED WITHIN THE CITY OF PORTSMOUTH 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)



INCREMENTAL RELATIVE SEA LEVEL RISE FOR THE PROJECT AREA BASED ON REPRESENTATIVE CONCENTRATION PATHWAY (RCP) 4.5 AND A LOW TOLERANCE FOR FLOOD RISK



INCREMENTAL RELATIVE SEA LEVEL RISE FOR THE PROJECT AREA BASED ON REPRESENTATIVE CONCENTRATION PATHWAY (RCP) 4.5 AND A LOW TOLERANCE FOR FLOOD RISK, AND THE CURRENT MEAN HIGHER-HIGH (MHHW) ELEVATION OF 4.18 FEET DETERMINED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ASSOCIATION (NOAA) SEAVEY ISLAND, MAINE STATION 8419870 USING NAVD88 DATUM

BRIDGE PERMITTING PLANS

TAX MAP 205 - LOT 2

VULNERABILITY ASSESSMENT PLAN

LADY ISLE BRIDGE REPLACEMENT

325 LITTLE HARBOR ROAD, PORTSMOUTH, NH

OWNED BY & PREPARED FOR

ADL 325 LITTLE HARBOR ROAD TRUST

1"=40' (22"x17")
SCALE: 1"=20' (22"x34")

FEBRUARY 7, 2024

HORIZONTAL SCALE 1"=20'
20 10 0 20

REV	DATE	DESCRIPTION	DR	CK

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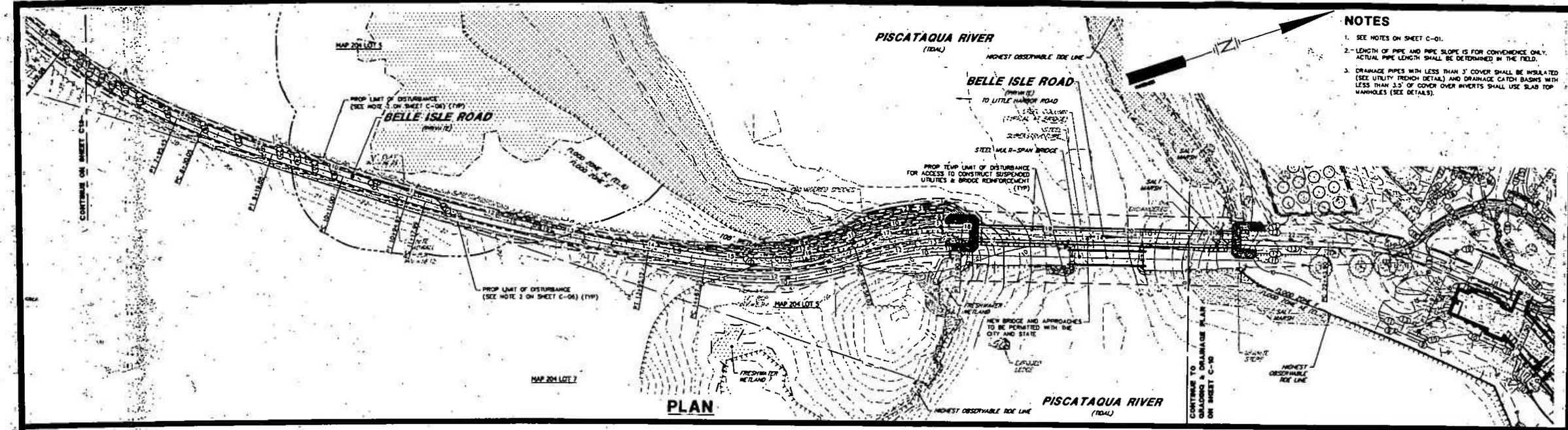
FILE	DR	KRH	FB		
47099.01	CK	JAE	CADFILE	47099-01_VULNERABILITY	BR-07

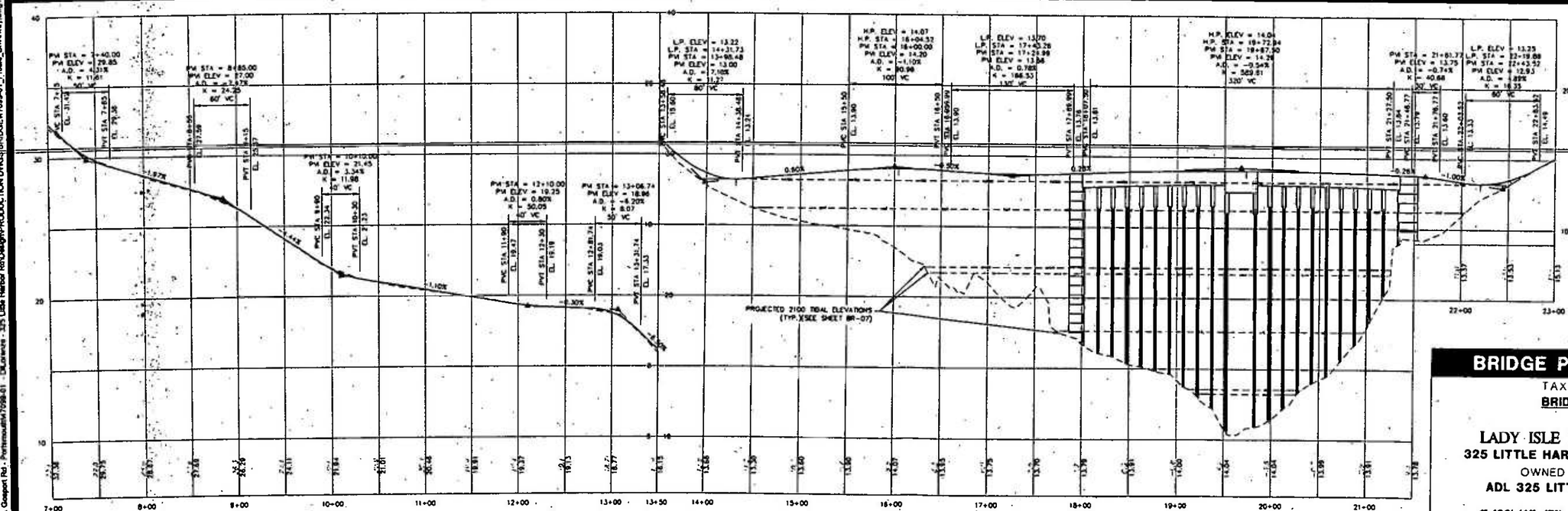
Jul 03, 2024 - 3:17pm
F:\ASSC Projects\47099 - Little Harbor Rd & Gosport Rd - Portsmouth\47099-01 - Drawings - 325 Little Harbor Rd\Design\PRODUCTION DWGS BRIDGE\47099-01_Vulnerability.dwg



PLAN

NOTES

1. SEE NOTES ON SHEET C-01.
2. LENGTH OF PIPE AND PIPE SLOPE IS FOR CONVENIENCE ONLY. ACTUAL PIPE LENGTH SHALL BE DETERMINED IN THE FIELD.
3. DRAINAGE PIPES WITH LESS THAN 3' COVER SHALL BE INSULATED (SEE UTILITY TRENCH DETAIL) AND DRAINAGE CATCH BASINS WITH LESS THAN 3.5' OF COVER OVER INVERTS SHALL USE SLAB TOP MANHOLES (SEE DETAILS).



BELLE ISLE ROAD PROFILE

HORIZONTAL SCALE 1"=60'
VERTICAL SCALE 1"=4'

REV	DATE	DESCRIPTION	DR	CK
2	10/13/2023	NO REVISIONS THIS SHEET		

BRIDGE PERMITTING PLANS

TAX MAP 205 LOT 2

BRIDGE PROFILE PLAN

LADY ISLE BRIDGE REPLACEMENT

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FEBRUARY 7, 2024

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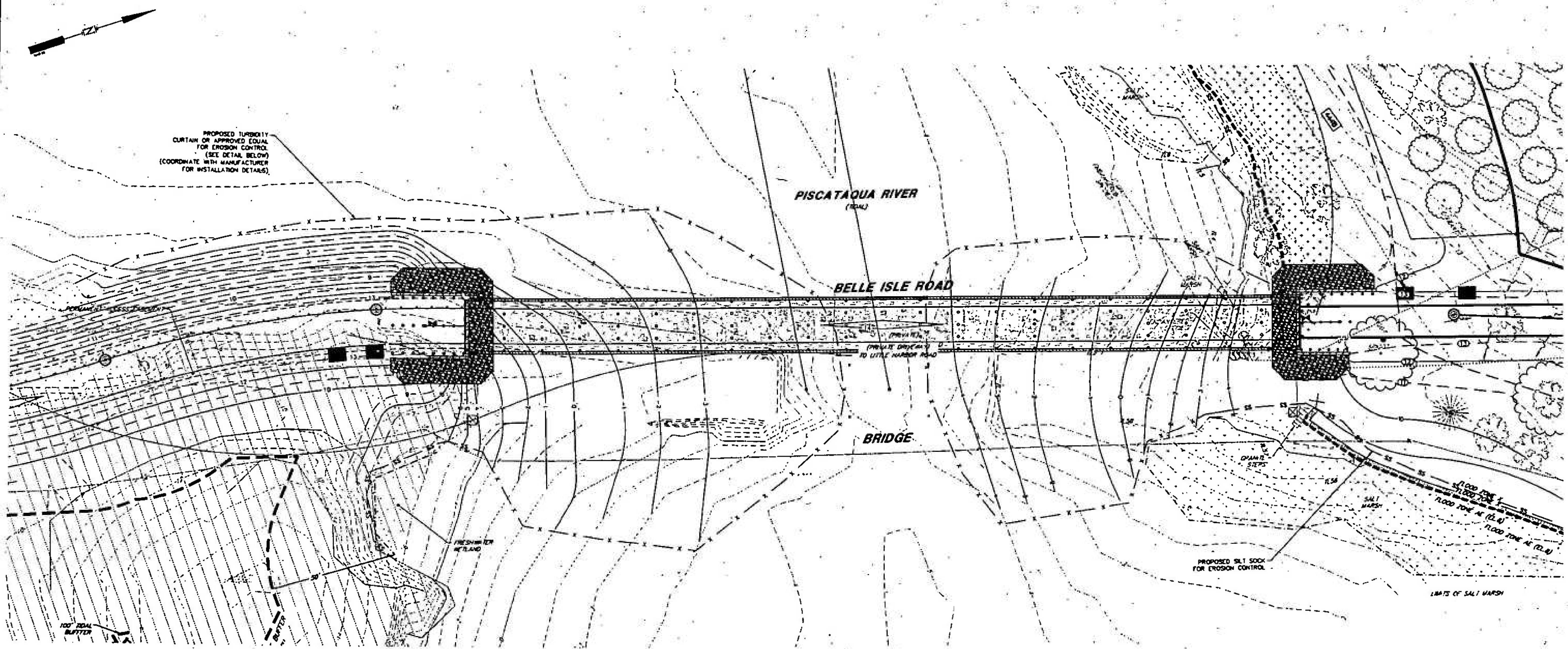
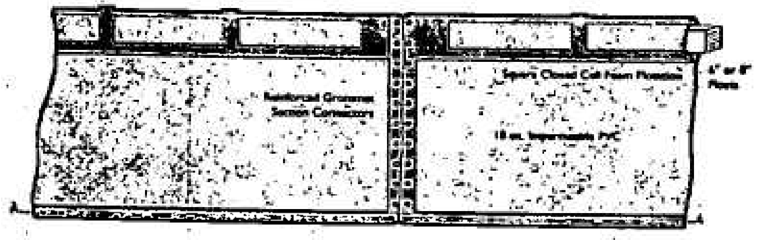
JOB	47099.01	DR	KRH	FB	
		CK	JKC	CADFILE	47099-01_PROFILE_DRIVEWAY

BR-08





Drawing is for illustrative purposes only. Not to scale.
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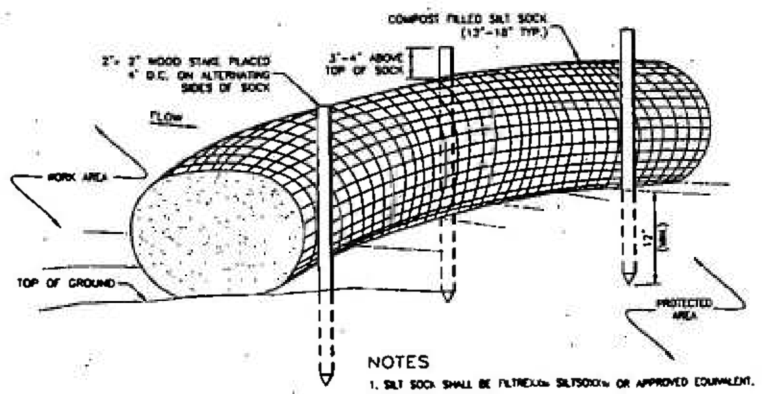
Natural forces such as current, wind, waves and location affect your product and may require engineering, additional anchoring, and customization.

GEI WORKS
772-646-0597
www.GEIWorks.com
info@geiworks.com

Type 1 DOT Turbidity Curtain

Scale:	Drawing:	Revision:	Date:	By:
Not to Scale			05/04/2018	ME



NOTES

1. SILT SOCK SHALL BE FILTREXX® SILTSOXX™ OR APPROVED EQUIVALENT.
2. SEE SPECIFICATIONS FOR SOCK SIZE AND COMPOST FILL REQUIREMENTS.
3. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED AS NEEDED.
4. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.

SILT SOCK

NOT TO SCALE

HORIZONTAL SCALE 1"=20'

REV.	DATE	DESCRIPTION	DR	CK
2	10/13/2023	NO REVISIONS THIS SHEET		

BRIDGE PERMITTING PLANS

TAX MAP 205' LOT 2

EROSION AND SEDIMENT CONTROL PLAN

LADY ISLE BRIDGE REPLACEMENT

325 LITTLE HARBOR ROAD, PORTSMOUTH, NH

OWNED BY & PREPARED FOR

ADL 325 LITTLE HARBOR ROAD TRUST

SCALE: 1"=40' (22"x17")
1"=20' (22"x34")

FEBRUARY 7, 2024

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47099:01	DR	KRH	FB	BR-09
	CK	JAC	CADFILE	

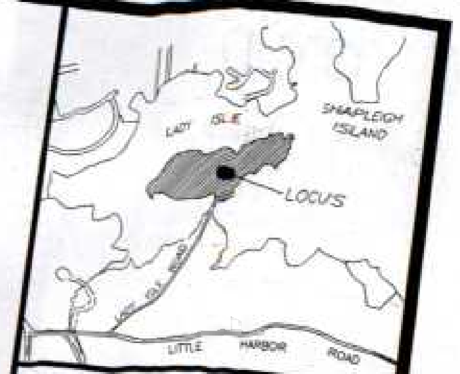
TIDAL ELEVATIONS	
MHHW	4.18
MHW	3.76
MTL	-0.32
MLW	-4.39
MLLW	-4.71

TIDAL ELEVATIONS ARE BASED ON NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) STATION 8423898, SEAVEY ISLAND, ME AND AS USED WITHIN THE TOWN OF PORTSMOUTH 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)

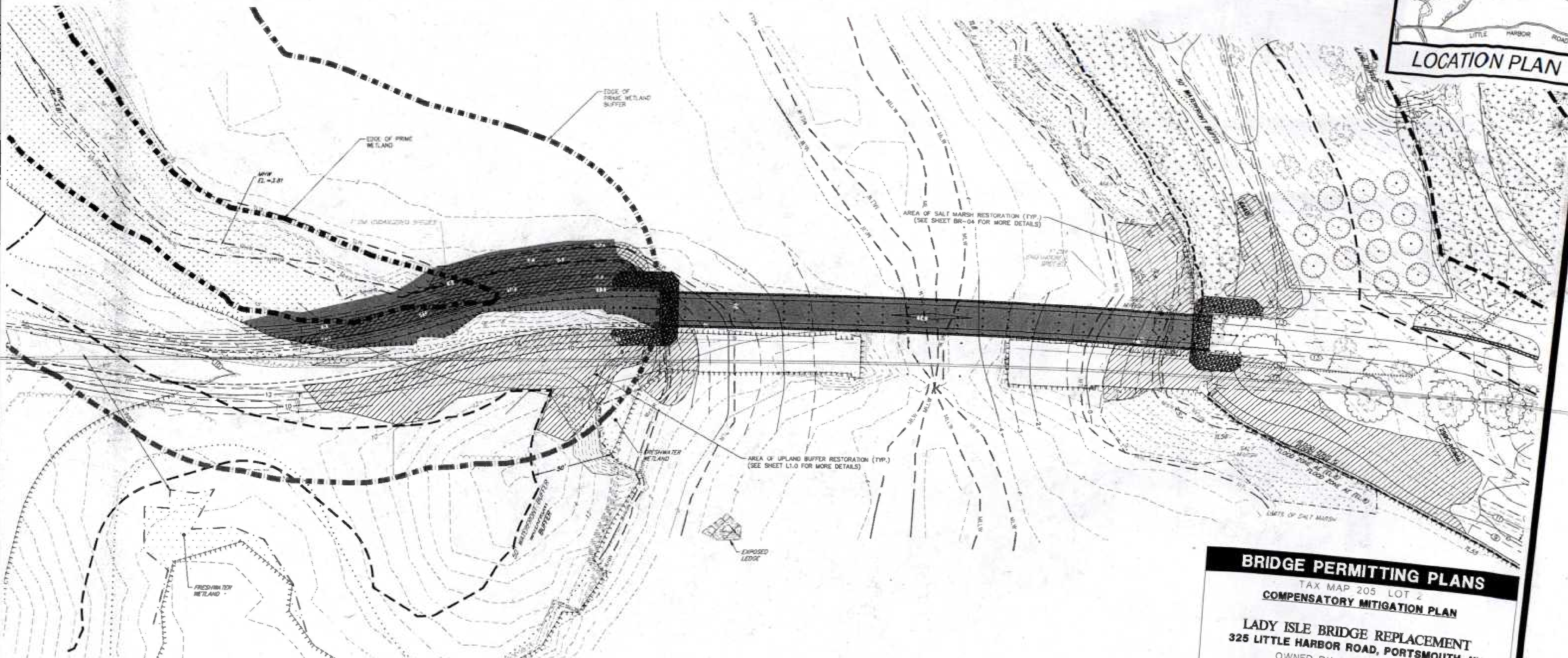
	IMPACT AREA
PROPOSED PERMANENT IMPACTS FOR THE PURPOSE OF ADDING MATERIAL TO CONSTRUCT THE NEW BRIDGE AND SOUTH BRIDGE APPROACH	12,605 S.F.
PROPOSED SALT MARSH IMPACTS FOR THE PURPOSE OF ADDING MATERIAL TO CONSTRUCT THE NEW SOUTH BRIDGE APPROACH	3,443 S.F.
TOTAL AREA OF SALT MARSH RESTORATION	7,491 S.F.
TOTAL AREA OF UPLAND BUFFER RESTORATION	~21,000 S.F.

TOTAL IMPACTS*	
WITHIN PRIME WETLAND BUFFER	24,884 S.F.
WITHIN PRIME WETLAND	1,632 S.F.

*SEE PRIME WETLAND BUFFER IMPACT PLAN FOR MORE INFORMATION (BR-08)



LOCATION PLAN



BRIDGE PERMITTING PLANS

TAX MAP 205 LOT 2

COMPENSATORY MITIGATION PLAN

LADY ISLE BRIDGE REPLACEMENT

325 LITTLE HARBOR ROAD, PORTSMOUTH, NH

OWNED BY & PREPARED FOR

ADL 325 LITTLE HARBOR ROAD TRUST

1"=60' (11"x17")
SCALE: 1"=30' (22"x34")

FEBRUARY 7, 2024

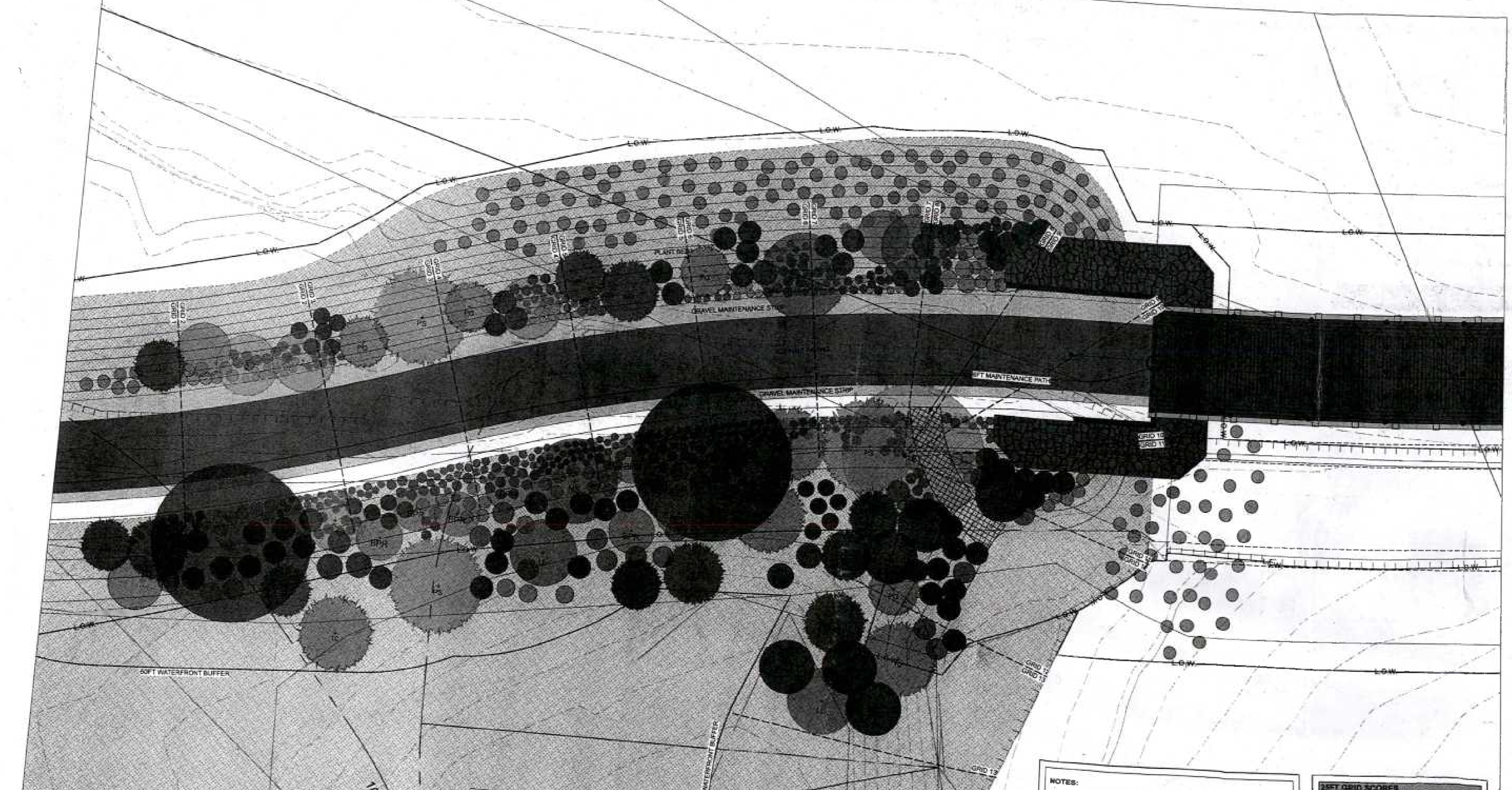
HORIZONTAL SCALE 1"=20'

REV.	DATE	DESCRIPTION	DR	CK
3	7/3/2024	REVISED PER DES COMMENTS		
2	10/13/2023	PLAN ADDED TO PERMITTING SET	JKC	JCC

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

FILE 47099.01 | DR KRH | FB | CK JKC | CADFILE 47099-01_COMPENSATORY MITIGATION PLAN

BR-10



PROPOSED PLANTING SCHEDULE

ID	Qty	Latin Name	Common Name	Scheduled Size
TREES				
AB2	4	Abies balsamea	Balsam Fir	7-8' B&B
AB1	6	Abies balsamea	Balsam Fir	8-10' B&B
AS	1	Acer saccharum	Sugar Maple	4.5-5" cal. B&B
AL	10	Amelanchier laevis	Allegheny Serviceberry	7-8' ht. B&B
BPR	17	Betula papyrifera	Paper Birch	8-10' B&B
JV	4	Juniperus virginiana	Eastern Red Cedar	8-10' B&B
LL	7	Larix lancina	Tamarack	10-12' B&B
NS	4	Nyssa sylvatica	Tupelo	3.5-4" cal. B&B
PG	5	Piecea glauca	White Spruce	10-12' ht. B&B
PS	3	Pinus strobus	White Pine	12-14' ht. B&B
PRS	15	Prunus serotina	Black Cherry	2-2.5" cal. B&B
QB	3	Quercus bicolor	Swamp White Oak	4-4.5" cal. B&B
QR	3	Quercus rubra	Red Oak	4-4.5 cal. B&B
TC	6	Tsuga canadensis	Canadian Hemlock	8-10' ht. B&B
	74	TOTAL		

Qty.	Latin Name	Common Name
Shrubs		
11	Aronia melanocarpa	Black Chokeberry
13	Clethra alnifolia	Summersweet
80	Comptonia peregrina	Sweetfern
5	Hamamelis virginiana	Common Witchhazel
77	Myrica gale	Sweetgale
73	Myrica pensylvanica	Northern Bayberry
21	Rhododendron viscosum	Swamp Azalea
26	Vaccinium corymbosum	Highbush Blueberry
11	Viburnum acerifolium	Mapleleaf Viburnum
315	TOTAL	

Qty.	Latin Name	Common Name
Perennials		
15	Asclepias incarnata	Swamp Milkweed
36	Asclepias syriaca	Butterfly Milkweed
166	Dennstaedtia punctilobula	Hay-Scented Fern
29	Matteuccia struthiopteris	Ostrich Fern
49	Onoclea sensibilis	Sensitive Fern
48	Polystichum acrostichoides	Christmas Fern
57	Schizachyrium scoparium	Little Bluestem
36	Symphyotrichum novae-angliae	New England Aster
431	TOTAL	
High & Low Marsh		
45	Distichlis spicata	Saltgrass
27	Juncus gerardii	Black grass
173	Spartina alterniflora	Smooth Cordgrass
46	Spartina patens	Saltmeadow Cordgrass
291	TOTAL	

NOTES:

1. TOTAL PROPOSED AREA OF MITIGATION PLANTING: ~ 21,000 SF

2. PROPOSED PLANTING IS INTENDED TO RESTORE THE DISTURBED AREA TO ITS NATURAL FORM AND INCREASE BIODIVERSITY. ACCEPTED BEST MANAGEMENT PRACTICES WILL BE UTILIZED WHENEVER POSSIBLE TO MAINTAIN THE NATIVE FORM OF THE MITIGATION AREA, AND TRADITIONAL LANDSCAPE MAINTENANCE WILL BE MINIMIZED WHERE POSSIBLE.

3. L.A. INTENDS TO SPECIFY NON-CULTIVAR NATIVE PLANT MATERIAL SHALL BE USED WHERE AVAILABILITY AND LONGEVITY ALLOW.

4. PLANT SPECIES INDICATED ARE SELECTED FROM THE NEW HAMPSHIRE D.E.S. *NATIVE SHORELAND/RIPARIAN BUFFER PLANTINGS FOR NEW HAMPSHIRE*

5. PLANT LOCATIONS ON PLAN ARE FOR DIAGRAMMATIC PURPOSES; FINAL LOCATION OF PLANTING WILL BE DETERMINED IN FIELD AND MAY DIFFER FROM PLANS

6. PLANT SIZES AND QUANTITIES SHOWN ARE SUBJECT TO CHANGE BASED ON AVAILABILITY

7. THE USE OF ANY FERTILIZER IS PROHIBITED WITHIN A WETLAND, VEGETATED BUFFER AREA, OR LIMITED CUT AREA

25FT GRID SCORES			
NUMBER	TREE SCORE	SHRUB / G.C. SCORE	TOTAL SCORE
GRID 1	3	10	13
GRID 2	8	10	18
GRID 3	9	9	18
GRID 4	8	10	18
GRID 5	8	9	17
GRID 6	7	10	17
GRID 7	8	10	18
GRID 8	0	10	10
GRID 9	0	7	7
GRID 10	5	5	[illegible]
GRID 11	1	10	11
GRID 12	5	10	[illegible]
GRID 13	8	10	[illegible]
GRID 14	3	10	[illegible]
GRID 15	10	10	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
GRID 17	8	10	[illegible]
GRID 18	[illegible]	10	[illegible]
GRID 19	1	10	11
GRID 20	6	10	16
GRID 21	8	10	18
GRID 22	2	10	12
GRID 23	2	10	12
GRID 24	4	10	14
GRID 25	4	10	14

GRID SCORING BASED ON NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES, CHAPTER ENV-WQ 1400; APPENDIX C; RSA 483-B:9 V(a)(2)(D) AS FOLLOWS:
TREE DBH 1-3" SCORE = 1
TREE DBH >3-6" SCORE = 5
4 sqft OF SHUB AREA = 1 (MAX OF 10PT)

Lady Isle

325 ... Harbor Road
Portsmouth NH

General Notes:

1. Existing conditions and topographic data are from: site plan of land dated March 2, 2021; prepared by: Thomas F. Moran Inc., 170 Commerce Way, Suite 102, Portsmouth, NH 03801 - Tel: (603) 431.2222

2. Existing conditions supplemented from data collected by: Matthew Cunningham Landscape Design LLC, 411 Main Street, Stoneham, MA 02180 - Tel: (617) 905.2246

3. Do not scale drawings.

MATTHEW J. CUNNINGHAM (016) — LICENSED LANDSCAPE ARCHITECT — STATE OF NEW HAMPSHIRE

MATTHEW CUNNINGHAM LANDSCAPE DESIGN LLC
matthewcunningham.com

411 Main Street, Stoneham, MA 02180
366 Fore Street, Portland, ME 04101
617.905.2246 p | 617.321.4014 f

REVISIONS:

#		DESCRIPTION:

SCALE: 1" = 10'-0" DATE: 03 JUNE 2024

0 5' 10' 20'

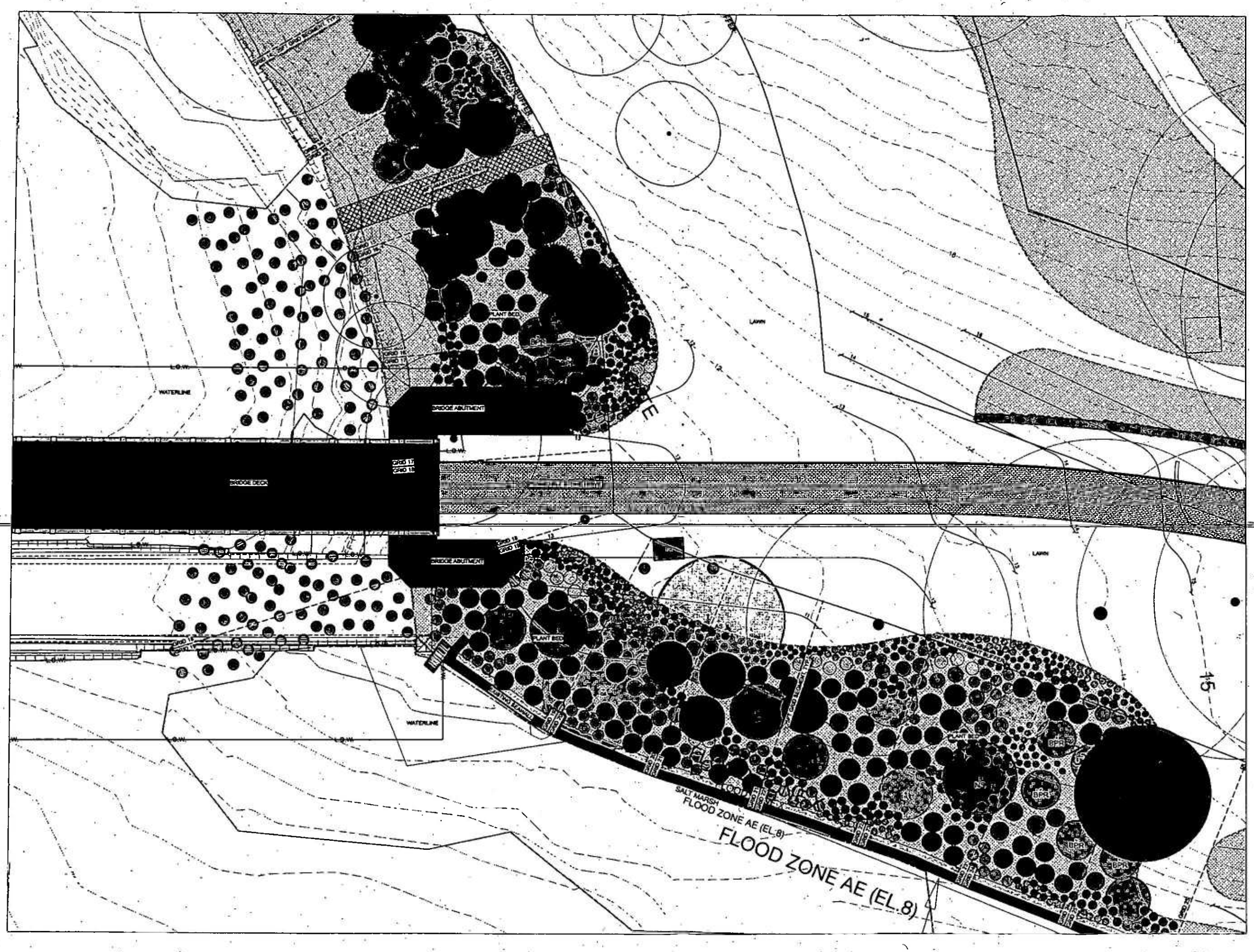
SHEET TITLE:

LADY ISLE BRIDGE REPLACEMENT - PROPOSED MITIGATION PLANTING

SHEET NUMBER:

L1.0

FOR PERMIT SUBMISSION



Lady Isle

325 Little Harbor Road
Portsmouth NH

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MATTHEW J CUNNINGHAM 02161
LICENSED LANDSCAPE ARCHITECT
STATE OF NEW HAMPSHIRE

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matthew-cunningham.com
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617.905.2246 p | 617.321.4014 f

REVISIONS:

#:		DESCRIPTION:

SCALE: 1" = 10'-0" DATE: 03 JUNE 2024

0' 5' 10' 20'

SHEET TITLE:
LADY ISLE BRIDGE REPLACEMENT - PROPOSED MITIGATION PLANTING

SHEET NUMBER:
L1.1

FOR PERMIT SUBMISSION