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The State of New Hampshire
Department of Environmental Services



Robert R. Scott, Commissioner

August 15, 2023

57

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

REQUESTED ACTION

Approve NH Dept Of Transportation's request to perform the following work on Little Bay in Newington pursuant to NH Department of Environmental Services (NHDES) Wetlands Bureau permit #2023-00601, 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 71,948 square feet (SF) (3,751 SF permanent and 68,197 SF temporary) of tidal waters, stream bank, previously developed upland tidal buffer zone, and palustrine scrub-shrub wetland for the removal and replacement of the General Sullivan Bridge superstructure to create a new pedestrian and non-motorized access bridge over Little Bay. Existing bridge piers will be reused in-kind. Compensatory Mitigation for the wetlands impacts is in the form of a one-time payment of \$243,106.44 to the NHDES Aquatic Resource Mitigation (ARM) Fund.

NHDES imposed the following conditions as part of this approval:

1. In accordance with Env-Wt 307.16, all work shall be done in accordance with plans for NHDOT NH Project No. 112385, Newington-Dover - General Sullivan Bridge over Little Bay (Bridge No. 200/023) dated March 6, 2023, as received by the Department on March 16, 2023.
2. The issuance of the posting permit for this project is contingent on submittal of a check in the amount of \$243,106.44 to the Aquatic Resource Mitigation Fund by the applicant as calculated per Env-Wt 803.07 and RSA 482-A:30.
3. In accordance with Env-Wt 314.03, (a), the permittee shall notify NHDES in writing at least one week prior to commencing any work under the permit.
4. In-water work of causeways and trestle piles shall be installed and stabilized within the in-water work window for tidal waters of between November 15 and March 15, to protect anadromous fish as required by Env-Wt 307.06.
5. 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.
6. In accordance with Env-Wt 307.04, NHDOT shall notify and coordinate with the NHDES Shellfish Program prior to commencing work and any time there is work within tidal waters.
7. Restoration of all temporary impacts shall meet all of the conditions listed in Rule Env-Wt 307.12(a) through (i).

www.des.nh.gov

29 Hazen Drive • PO Box 95 • Concord, NH 03302-0095
NHDES Main Line: (603) 271-3503 • Subsurface Fax: (603) 271-6683 • Wetlands Fax: (603) 271-6588
TDD Access: Relay NH 1 (800) 735-2964

8. In accordance with Env-Wt 527.05, this permit shall be contingent on review and approval by NHDES of final stream diversion/dewatering and erosion control plans that detail the timing and method of stream flow diversion/dewatering during construction and show temporary siltation, erosion, and turbidity control measures to be implemented in areas under the jurisdiction of RSA 482-A.
9. In accordance with Env-Wt 307.03(c)(2), water quality control measures shall be comprised of wildlife-friendly erosion control materials.
10. All work shall be conducted and maintained in compliance with the water quality protection conditions specified in Rule Env-Wt 307.03(a) through (h).
11. 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).
12. Restoration of all temporary impacts shall meet all of the conditions listed in Rule Env-Wt 307.12(a) through (i).
13. 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.
14. 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.
15. 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.
16. In accordance with Env-Wt 307.18(c), within 60 days of completion of construction, the applicant shall submit to the department a report that describes the monitoring conducted and date(s) of inspections, and includes photos showing the extent of jurisdictional impacts, areas of restoration, and progress of any plantings shall be submitted to the department.

EXPLANATION

NHDES approved this project on July 11, 2023. NHDES supported its decision with the following findings:

1. This is a Major Project per New Hampshire Administrative Rule Env-Wt 407.03, Table 407-1 having more than 10,000 square feet of impacts to jurisdictional area.
2. The removal and replacement of the General Sullivan Bridge project is to provide recreational pedestrian and non-motorized vehicular access across Little Bay between Dover and Newington.
3. The Dover Conservation Commission and the Newington Conservation Commission did not submit comments to NHDES.
4. The NH Natural Heritage (NHB22-3557) database has been checked which identified multiple species within the flagged project area. The New Hampshire Fish & Game (NHFG) project recommendations have been included as permit conditions and the applicant has provided documentation of coordination with NHFG. The applicant completed surveys for rare plants and has provided documentation of coordination with NH Natural Heritage Bureau.

5. The Federal Highway Administration and NHDOT completed a Supplemental Environmental Impact Statement to evaluate the General Sullivan Bridge rehabilitation along with other alternatives. A combined Final Supplemental Environmental Impact Statement and Supplemental Record of Decision was issued in February 2022. The selected alternative proposal is replacement of the General Sullivan Bridge superstructure with minor repairs to the substructure masonry.
6. The project was reviewed at the April 18, 2018, June 19, 2019, and October 19, 2022, Natural Resource Agency Meetings which confirmed that the project requires compensatory mitigation.
7. The department has determined a one-time payment of \$243,106.44 dollars into the Aquatic Resource Mitigation Fund ("ARM") will satisfy compensatory mitigation requirements for loss of wetland functions and values associated with this project.

NHDES Wetlands Bureau permit #2023-00601 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: NH Department of Transportation TOWN NAME: Newington/Dover

RECEIVED Administrative Use Only MAR 16 2023 NHDES LAND RESOURCES MANAGEMENT	COMPLETE MAR 16 2023	Administrative Use Only	File No: <u>2023-07501</u> Check No: <u>V-7125-92</u> Amount: <u>\$28,779.00</u> Initials: <u>AD</u>
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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.

SECTION 1 - REQUIRED PLANNING FOR ALL PROJECTS (Env-Wt 306:05; RSA 482-A:3;(d)(2))
 Please use the Wetland Permit Planning Tool (WPP), the Natural Heritage Bureau (NHB) Data Check Tool, the Aquatic Restoration Mapper, or other sources to assist in identifying key features such as: priority resource areas (PRAs), protected species or habitats, coastal areas, designated rivers, or designated prime wetlands.

Has the required planning been completed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Does the property contain a PRA? If yes, provide the following information:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> • Does the project qualify for an Impact Classification Adjustment (e.g. NH Fish and Game Department (NHF&G) and NHB agreement for a classification downgrade) or a Project-Type Exception (e.g. Maintenance or Statutory Permit-by-Notification (SPN) project)? See Env-Wt 407.02 and Env-Wt 407.04. 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • Protected species or habitat? <ul style="list-style-type: none"> ○ If yes, species or habitat name(s): <u>Sparsely vegetated intertidal system, Subtidal system, Atlantic Sturgeon, and Shortnose Sturgeon</u> ○ NHB Project ID #: <u>NHB22-3557</u> 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> • Bog? 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • Floodplain wetland contiguous to a tier 3 or higher watercourse? 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> • Designated prime wetland or duly-established 100-foot buffer? 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone? 	<input type="checkbox"/> Yes <input checked="" 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"> • Name of Local River Management Advisory Committee (LAC): <input type="text"/> 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

irm@des.nh.gov or (603) 271-2147

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

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• A copy of the application was sent to the LAC on Month: <input type="checkbox"/> Day: <input type="checkbox"/> Year: <input type="checkbox"/>	
For dredging projects, is the subject property contaminated? • If yes, list contaminant: N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is there potential to impact impaired waters, class A waters, or outstanding resource waters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
For stream crossing projects, provide watershed size (see WPPT or Stream Stats): 154 sq mi	

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.

New Hampshire Department of Transportation (NHDOT) proposes to impact 2,742 sq ft (314 lin ft) in the banks of Little Bay and 1,009 sq ft of a palustrine wetland to remove the General Sullivan Bridge and construct a new steel frame bridge for non-motorized use.

Temporary construction phase impacts include 23,813 sq ft (376 lin ft) within the bed to install two temporary stone causeways and temporary pile-supported trestle work platforms to provide construction access. Additionally, the project proposes to temporarily impact 44,219 sq ft within the developed tidal buffer zone (TBZ) and 165 sq ft within the bank to provide construction access and improve an existing multi-use path leading to the bridge.

Due to safety concerns stemming from corrosion and deterioration, the bridge was closed in September 2018. This closure eliminated permanent recreational use of the GSB and eliminated pedestrian access across Little Bay. The purpose of the project is to provide recreational access and connectivity between Newington and Dover, across Little Bay, for pedestrian and non-motorized use. The proposed project would replace the GSB superstructure with a steel girder superstructure utilizing a structural steel V-frame design that extends from the bottom of the girders to the top of the existing GSB piers. The existing GSB stone masonry piers would be reused without requiring substantial modification. The new structure would have an approximately 18.3-foot-wide deck (out to out), and a 16-foot-wide multiuse path, with railings matching dimensions of existing approach railings. The 16-foot-wide multiuse path would comply with the ADA for accessibility and would have a steel pedestrian rail along both sides of the new bridge deck.

Note that the temporary impacts associated with the causeway and trestle work platforms are provisional. NHDOT anticipates the need for the contractor to review and possibly modify the plan for the construction access prior to construction.

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

ADDRESS: Spaulding Turnpike (NH Route 16) between Newington and Dover crossing Little Bay
TOWN/CITY: Newington and Dover
TAX MAP/BLOCK/LOT/UNIT: NHDOT Right of Way
US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME: Little Bay <input checked="" type="checkbox"/> N/A
(Optional) LATITUDE/LONGITUDE in decimal degrees (to five decimal places): 43.118929° North

-70.827897° 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: New Hampshire Department of Transportation

MAILING ADDRESS: 2 Hazen Drive, P.O. Box 483

TOWN/CITY: Concord

STATE: NH

ZIP CODE: 03302

EMAIL ADDRESS: _____

FAX: _____

PHONE: _____

ELECTRONIC COMMUNICATION: By initialing here: REB, 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.: Walker, Peter J.

COMPANY NAME: VHB Inc

MAILING ADDRESS: 2 Bedford Farms Drive, Suite 200

TOWN/CITY: Bedford

STATE: NH

ZIP CODE: 03110

EMAIL ADDRESS: pwalker@vhb.com

FAX: _____

PHONE: 603-391-3942

ELECTRONIC COMMUNICATION: By initialing here PJW, 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 [initials], 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):

All jurisdictional areas within the proposed project area were delineated and classified in accordance with the requirements of Env-Wt 400. Wetland boundaries were originally delineated in 2003, with portions of this delineation being reviewed in 2009. All delineated areas were field verified again on January 20, 2020, and the Top of Bank (TOB) and Highest Observable Tide Line (HOTL) of the Piscataqua River were field verified in September 2022 by Kristopher Wilkes (NH CWS #288). Env-Wt 600 is applicable to the proposed project, as the proposed work will impact approximately 0.9 acres (mostly temporary) of the protected TBZ of Little Bay. As such, the corresponding permit application has been compiled in accordance with the Env-Wt 610.03 TBZ design standards and Env-Wt 610.04 application requirements. A Protected Tidal Zone Project-Specific Worksheet was utilized as part of the permit application. Refer to the Application Narrative for more detailed information regarding the project's compliance with these sections of the rules. Per Env-Wt 610.17, the proposed work is classified as a major impact project as construction activity will occur within 100 feet of the HOTL. Env-Wt 700 is not applicable to the proposed project, as there will be no impacts to prime wetlands as part of the proposed work. Env-Wt 900 is applicable to the proposed project as the repair of the GSB meets the definition of a Tier 4 stream crossing. Refer to the Supplemental Narrative which details the project's compliance with this chapter of the rules. Under Env-Wt 306.06(c)(3), abutter notifications are not required for public highway maintenance or repair projects.

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: 10 Day: 19 Year: 2022

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			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Scrub-shrub Wetland	1009		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Emergent Wetland			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Wet Meadow			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Vernal Pool			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Designated Prime Wetland			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Duly-established 100-foot Prime Wetland Buffer			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
Surface Water	Intermittent / Ephemeral Stream			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Perennial Stream or River			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Lake / Pond			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Docking - Lake / Pond			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Docking - River			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
Banks	Bank - Intermittent Stream			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Bank - Perennial Stream / River	2742	314	<input checked="" type="checkbox"/>	165	29	<input checked="" type="checkbox"/>
	Bank / Shoreline - Lake / Pond			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
Tidal	Tidal Waters			<input checked="" type="checkbox"/>	23813	378	<input checked="" type="checkbox"/>
	Tidal Marsh			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Sand Dune			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Undeveloped Tidal Buffer Zone (TBZ)			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Previously-developed TBZ			<input checked="" type="checkbox"/>	44219		<input checked="" type="checkbox"/>
	Docking - Tidal Water			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
TOTAL		3751	314		68197	405	

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

<input checked="" type="checkbox"/> MINIMUM IMPACT FEE: Flat fee of \$400.
<input checked="" type="checkbox"/> NON-ENFORCEMENT RELATED, PUBLICLY-FUNDED AND SUPERVISED RESTORATION PROJECTS, REGARDLESS OF IMPACT CLASSIFICATION: Flat fee of \$400 (refer to RSA 482-A:3, 1(c) for restrictions).
<input checked="" type="checkbox"/> MINOR OR MAJOR IMPACT FEE: Calculate using the table below:
Permanent and temporary (non-docking): 71948 SF × \$0.40 = \$ 28779
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 = \$ 28779

irm@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 13 - PROJECT CLASSIFICATION (Env-Wt 306.05)
 Indicate the project classification:

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

Initial each box below to certify:

Initials: 	To the best of the signer's knowledge and belief, all required notifications have been provided.
---------------	--

Initials: 	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: 	<p>The signer understands that:</p> <ul style="list-style-type: none"> The submission of false, incomplete, or misleading information constitutes grounds for NHDES to: <ol style="list-style-type: none"> Deny the application. Revoke any approval that is granted based on the information. If the signer is a certified wetland scientist, licensed surveyor, or professional engineer licensed to practice in New Hampshire, refer the matter to the joint board of licensure and certification established by RSA 310-A:1. The signer is subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641. The signature shall constitute authorization for the municipal conservation commission and the Department to inspect the site of the proposed project, except for minimum impact forestry SPN projects and minimum impact trail projects, where the signature shall authorize only the Department to inspect the site pursuant to RSA 482-A:6, II.
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Initials: 	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.
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SECTION 15 - REQUIRED SIGNATURES (Env-Wt 311.04(d); Env-Wt 311.11)

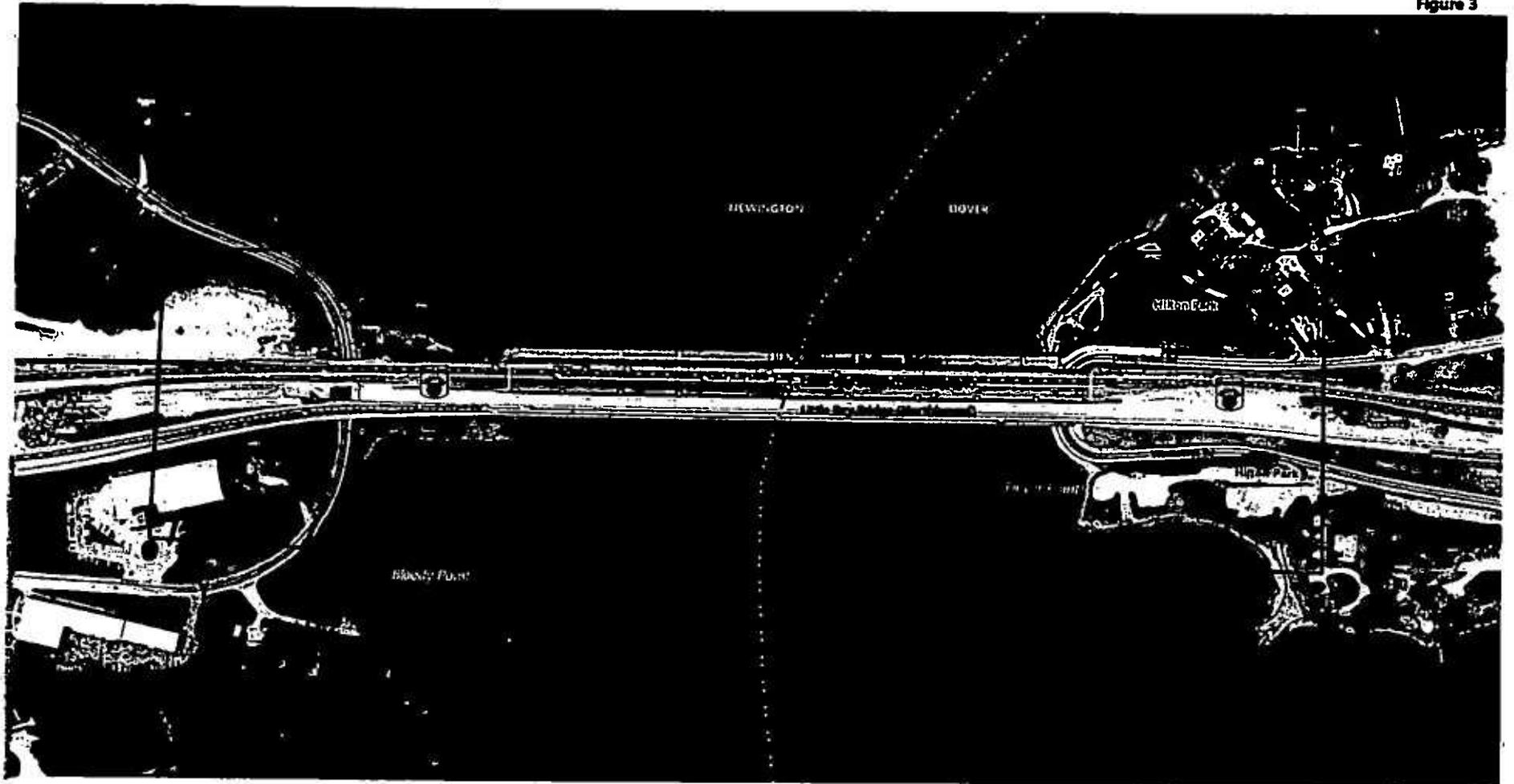
SIGNATURE (OWNER): 	PRINT NAME LEGIBLY: Jennifer Reczek	DATE: 3/14/23
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER): 	PRINT NAME LEGIBLY: 	DATE:
SIGNATURE (AGENT, IF APPLICABLE): 	PRINT NAME LEGIBLY: Peter J. Walker	DATE: 3/14/23

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

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

TOWN/CITY CLERK SIGNATURE: 	PRINT NAME LEGIBLY: N/A: NHDO is exempt from this requirement per RSA 482-A:3 I(a)(1)
TOWN/CITY:	DATE:

Figure 3



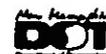

Legend
 Project Site
 Town Boundaries

Newington-Dover 112385

Newington and Dover, NH

General Sullivan Bridge

Aerial Overview Map



Source: NH, NH GRANIT

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MAR 16 2023
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LAND RESOURCES MANAGEMENT



Figure 1: USGS Overview Map
General Sullivan Bridge Project | Newington and Dover, NH



□ Project Site

Source: USGS, VHB, ESRI

Path: \\vhb.com\gis\proj\Bedford\32381.03_GSB_Final_Design\Project\GSB_Figures.aprx is ac. 11/16/2023



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



Robert R. Scott, Commissioner

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

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

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 LAND RESOURCES MANAGEMENT

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City Manager- MICHAEL JOYAL
 288 CENTRAL AVENUE
 DOVER, NH 03820

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PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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Adult Signature Restricted Delivery \$ _____

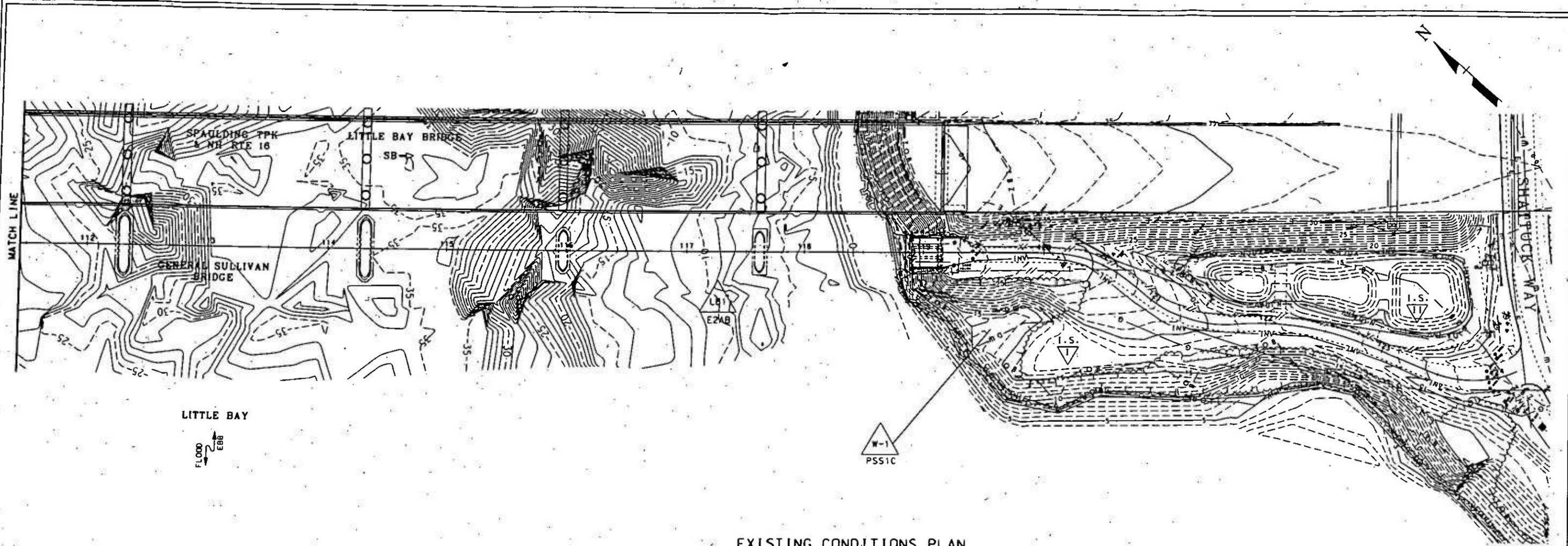
Postage

\$ _____
 To \$ _____

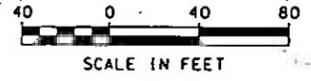
TOWN ADMINISTRATOR, MARTHA ROY
 205 NIMBLE HILL ROAD
 NEWINGTON, NH 03801

Postmark Here

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



EXISTING CONDITIONS PLAN



RECEIVED
 MAR 15 2023
 NHDES
 LAND RESOURCES MANAGEMENT

NHDES
 LAND RESOURCES MANAGEMENT

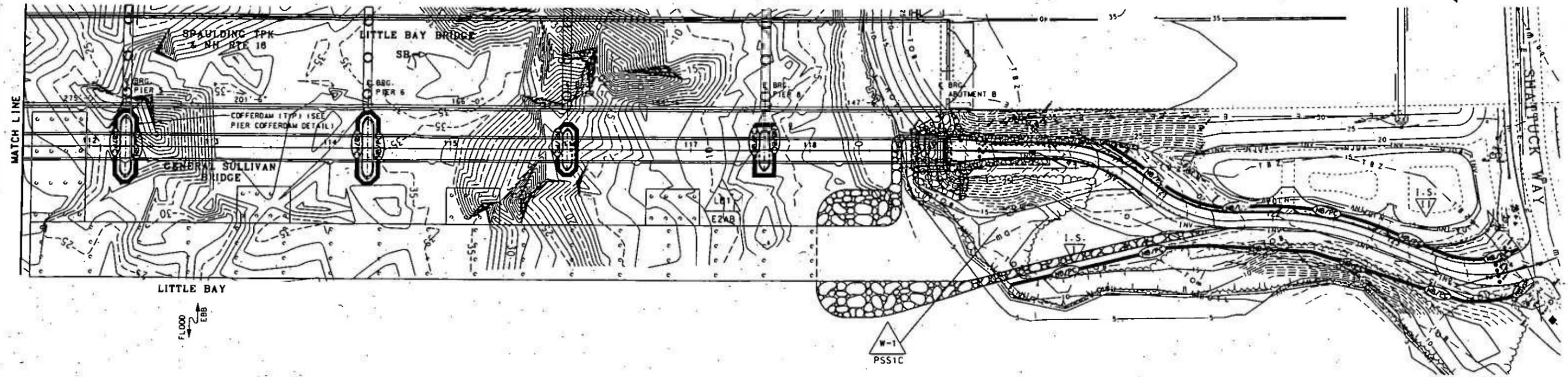
2023/03/06
 TRUMBULL COUNTY ENGINEERING

REVISED
 PRELIMINARY PLANS
 SUBJECT TO CHANGE
 DATE 3/6/2023



PLOT DATE	DRAWING NAME	SHEET SCALE
3/6/2023	112385_exc-permit2.dgn	AS NOTED

STATE OF NEW HAMPSHIRE					
DEPARTMENT OF TRANSPORTATION • BUREAU OF BRIDGE DESIGN					
TOWN NEWINGTON-DOVER		BRIDGE NO. 200023		STATE PROJECT 112385	
LOCATION GENERAL SULLIVAN BRIDGE OVER LITTLE BAY					
EXISTING CONDITIONS PLAN (2 OF 2)					
DESIGNED		BY TSP	DATE 10/22	CHECKED TSP 10/22	
DRAWN		BY BIM	DATE 10/22	CHECKED TSP 10/22	
QUANTITIES		CHECKED			
ISSUE DATE		FEDERAL PROJECT NO.		SHEET NO.	
REV. DATE				TOTAL SHEETS	
					BRIDGE SHEET 6 OF 10
					FILE NUMBER



EROSION CONTROL PLAN
 40 0 40 80
 SCALE IN FEET

EROSION CONTROL PLAN LEGEND	
	PERIMETER CONTROL SILT FENCE EROSION CONTROL MIX BERM EROSION CONTROL MIX SOX TURBIDITY CURTAIN SHEET PILE COFFER DAM
	NATURAL BUFFER/PERIMETER CONTROL SILT FENCE EROSION CONTROL MIX BERM EROSION CONTROL MIX SOX TURBIDITY CURTAIN SHEET PILE COFFER DAM
	CHANNEL PROTECTION STONE CHECK DAMS STRAW WATTLES CHANNEL MATTING CLASS O EROSION STONE CLASS C STONE
	CLEAN WATER BYPASS PUMP THROUGH PIPE DRAIN THROUGH PIPE OR CHANNEL

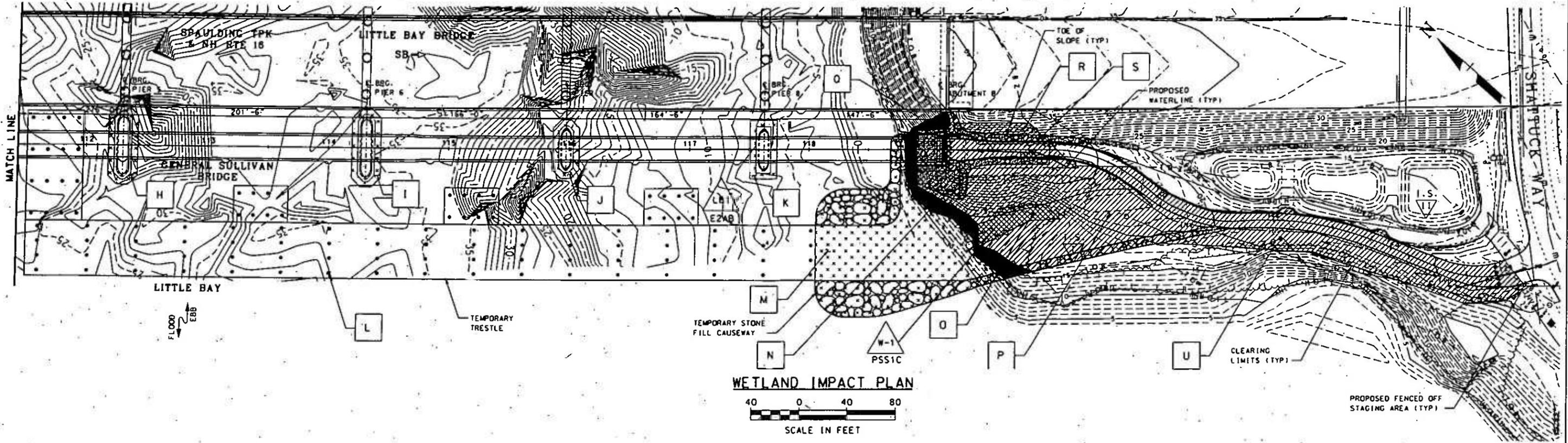
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 PRELIMINARY PLANS
 SUBJECT TO CHANGE
 DATE 3/6/2023



STATE OF NEW HAMPSHIRE						
DEPARTMENT OF TRANSPORTATION • BUREAU OF BRIDGE DESIGN						
TOWN NEWINGTON-DOVER	BRIDGE NO. 200/023	STATE PROJECT 112385			BRIDGE SHEET	
LOCATION GENERAL SULLIVAN BRIDGE OVER LITTLE BAY					10 OF 10	
EROSION CONTROL PLAN (2 OF 2)						
REVISIONS AFTER PROPOSAL	BY	DATE	CHECKED	BY	DATE	FILE NUMBER
	DESIGNED	TSP	10/22	CHECKED	TSP	10/22
	DRAWN	BJM	10/22	CHECKED	TSP	10/22
	QUANTITIES			CHECKED		
	ISSUE DATE			FEDERAL PROJECT NO.	SHEET NO.	TOTAL SHEETS
	REV. DATE					
PLOT DATE	DRAWING NAME	SHEET SCALE				
3/6/2023	.112385_ero-permit2.dgn	AS NOTED				

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WETLAND IMPACT PLAN
 SCALE IN FEET

WETLAND IMPACT SUMMARY											
WETLAND IDENTIFICATION	WETLAND CLASSIFICATION	WETLAND DESIGNATION	AREA IMPACTS								
			PERMANENT			TEMPORARY					
			N.H.W.B. (NON-WETLAND) BANK	N.H.W.B. & A.C.O.E. (WETLAND) BED	PALUSTRINE WETLAND	(NON-WETLAND)	(WETLAND)				
SF	LF	SF	LF	SF	SF	LF	SF	LF			
A	TBZ									19807	
B	BANK		756	85							
C	E2AB	LB1							5180	93	
D	E2AB	LB1							600		
E	E2AB	LB1							715		
F	E2AB	LB1							715	65	
G	E2AB	LB1							480		
H	E2AB	LB1							710	65	
I	E2AB	LB1							710		
J	E2AB	LB1							536		
K	E2AB	LB1							600		
L	E2AB	LB1							540		
M	E2AB	LB1							12427	105	
N	BANK		1555	170							
O	PSS1C	W-1					1009				
P	TBZ								19915		
Q	BANK		431	59							
R	TBZ								324		
S	TBZ								3973		
T	E2AB	LB1							600	48	
U	BANK								165		
TOTAL			2742	314			1009		44384	23813	376

NOTE:
 WETLAND IDENTIFICATION "A" REPRESENTS IMPACTS ON THE TIDAL BUFFER ZONE. WETLAND IDENTIFICATION "B" REPRESENTS IMPACTS ON THE BANK.

PERMANENT IMPACTS: 3751 SF
 TEMPORARY IMPACTS: 68197 SF
 TOTAL IMPACTS: 71948 SF

ARMY CORPS OF ENGINEERS
 PERMANENT IMPACTS: 1009 SF
 TEMPORARY IMPACTS: 23813 SF
 TOTAL IMPACTS: 24822 SF

LEGEND

WETLAND IMPACT LOCATION
 # WETLAND DESIGNATION NUMBER

TYPE OF WETLAND IMPACT	SHADING/HATCHING
NEW HAMPSHIRE WETLANDS BUREAU (PERMANENT NON-WETLAND)	[Solid Black]
NEW HAMPSHIRE WETLANDS BUREAU & ARMY CORP OF ENGINEERS (PERMANENT WETLAND)	[Cross-hatch]
TEMPORARY IMPACTS (NON-WETLAND)	[Diagonal Lines]
TEMPORARY IMPACTS (WETLAND)	[Stippled]

WETLAND CLASSIFICATION CODES	
E2AB	ESTUARINE, INTERTIDAL, AQUATIC BED
PSS1C	PALUSTRINE, SCRUB-SHRUB, BROAD-LEAVED DECIDUOUS, SEASONALLY FLOODED

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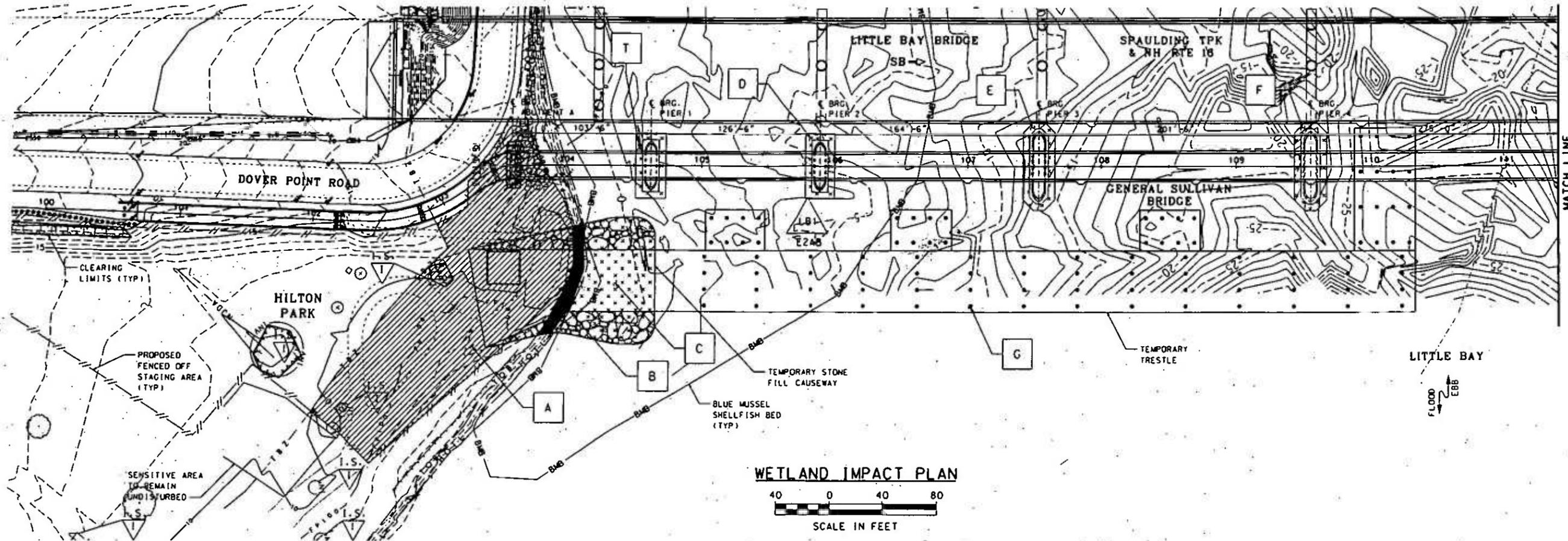
PLOT DATE	DRAWING NAME	SHEET SCALE
3/6/2023	112385_imp-permit2.dgn	AS NOTED

STATE OF NEW HAMPSHIRE
 DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN
 TOWN NEWINGTON-DOVER BRIDGE NO. 200/023 STATE PROJECT 112385
 LOCATION GENERAL SULLIVAN BRIDGE OVER LITTLE BAY

WETLAND IMPACT PLAN (2 OF 2)

REVISIONS AFTER PROPOSAL	BY	DATE	CHECKED	BY	DATE
DESIGNED	TSP	10/22	CHECKED	TSP	10/22
DRAWN	BJM	10/22	CHECKED	TSP	10/22
QUANTITIES			CHECKED		
ISSUE DATE			FEDERAL PROJECT NO.	SHEET NO.	TOTAL SHEETS
REV. DATE					

BRIDGE SHEET 8 OF 10



WETLAND IMPACT PLAN
 40 0 40 80
 SCALE IN FEET

WETLAND IMPACT SUMMARY												
WETLAND IDENTIFICATION	WETLAND CLASSIFICATION	WETLAND DESIGNATION	AREA IMPACTS									
			PERMANENT				TEMPORARY					
			N.H.W.B. (NON-WETLAND) BANK		N.H.W.B. & A.C.D.E. (WETLAND) BED		PALUSTRINE WETLAND		(NON-WETLAND)		(WETLAND)	
			SF	LF	SF	LF	SF	SF	LF	SF	LF	
A	TBZ								19807			
B	BANK		756	85								
C	E2AB	LB1								5180	93	
D	E2AB	LB1								600		
E	E2AB	LB1								715		
F	E2AB	LB1								715	65	
G	E2AB	LB1								480		
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I	E2AB	LB1								710		
J	E2AB	LB1								536		
K	E2AB	LB1								600		
L	E2AB	LB1								540		
M	E2AB	LB1								12427	105	
N	BANK		1555	170								
O	PSS1C	W-1						1009				
P	TBZ								19915			
Q	BANK		431	59								
R	TBZ								524			
S	TBZ								3973			
T	E2AB	LB1								600	48	
U	BANK								165			
TOTAL			2742	314				1009	44384	23813	376	

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 PERMANENT IMPACTS: 1009 SF
 TEMPORARY IMPACTS: 23813 SF
 TOTAL IMPACTS: 24822 SF

LEGEND

- # WETLAND IMPACT LOCATION
- # WETLAND DESIGNATION NUMBER

TYPE OF WETLAND IMPACT	SHADING/HATCHING
NEW HAMPSHIRE WETLANDS BUREAU (PERMANENT NON-WETLAND)	[Solid Black]
NEW HAMPSHIRE WETLANDS BUREAU & ARMY CORP OF ENGINEERS (PERMANENT WETLAND)	[Cross-hatch]
TEMPORARY IMPACTS (NON-WETLAND)	[Diagonal Lines]
TEMPORARY IMPACTS (WETLAND)	[Dotted]

WETLAND CLASSIFICATION CODES	
E2AB	ESTUARINE, INTERTIDAL, AQUATIC BED
PSS1C	PALUSTRINE, SCRUB-SHRUB, BROAD-LEAVED DECIDUOUS, SEASONALLY FLOODED

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PLOT DATE	DRAWING NAME	SHEET SCALE
3/6/2023	112385_imp-permit.dgn	AS NOTED

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN					
TOWN NEWINGTON-DOVER		BRIDGE NO. 200/023		STATE PROJECT 112385	
LOCATION GENERAL SULLIVAN BRIDGE OVER LITTLE BAY					
WETLAND IMPACT PLAN (1 OF 2)					BRIDGE SHEET
					7 of 10
DESIGNED	TSP	10/22	CHECKED	TSP	10/22
DRAWN	BIM	10/22	CHECKED	TSP	10/22
ISSUE DATE			FEDERAL PROJECT NO.	SHEET NO.	TOTAL SHEETS
REV. DATE					