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The State of New Hampshire
Department of Environmental Services

Robert R. Scott, Commissioner

138



October 27, 2022

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

REQUESTED ACTION

Approve the City of Manchester Environmental Protection Division's request to perform the following work on Stevens Pond in Manchester pursuant to NH Department of Environmental Services (NHDES) Wetlands Bureau permit #2022-01477, and in accordance with RSA 482-A:3. No comments were submitted by the Manchester Conservation Commission regarding the project as proposed.

Dredge approximately 168 cubic yards from 3,427 square feet of lakebed in order to remove accumulated sediment and Phragmites biomass surrounding an existing public boat launch on frontage along Stevens Pond in Manchester.

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 the approved plans dated September 2022 by Comprehensive Environmental Incorporated, as received by the NH Department of Environmental Services (NHDES) on October 5, 2022.
2. 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 as required pursuant to RSA 483-B:3.
3. 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.
4. Work authorized shall be carried out in accordance with Env-Wt 307 such that appropriate turbidity controls are in place to protect water quality, that no turbidity escapes the immediate dredge area, and that appropriate turbidity controls shall remain until suspended particles have settled and water at the work site has returned to normal clarity.
5. All dredged and excavated material and construction-related debris shall be placed outside of those areas subject to RSA 482-A or RSA-483-B unless a permit for the deposition of materials within those areas has been obtained as required per RSA 482-A:3 or RSA 483-B:5-b respectively.
6. No activity shall be conducted in such a way as to cause or contribute to any violation of surface water quality standards specified in RSA 485-A:8 or Env-Wq 1700.
7. Pursuant to RSA 482-A:14, RSA 482-A:14-b, and RSA 482-A:14-c, NHDES is authorized to take appropriate compliance actions should it be determined that, based upon additional information which becomes available, any of the structures depicted as "existing" on the plans submitted by or on behalf of the permittee were not previously permitted or grandfathered.

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

EXPLANATION

NHDES approved this project on October 25, 2022. NHDES supported its decision with the following findings:

1. This is a major impact project per Administrative Rule Env-Wt 523.04(c), dredge of more than 30 cubic yards of material from public waters.
2. The NHDES finds that because the project is not of significant public interest and will not significantly impair the resources of Stevens Pond a public hearing under RSA 482-A:8 is not required.
3. The applicant submitted a copy of email correspondence received from the Natural Heritage Bureau (NHB) indicating that they had "no further concerns based on the project as submitted and described" with the application materials as evidence that Rule Env-Wt 311.01(b) had been met.
4. No concerns were received from the local Conservation Commission related to the project.
5. On May 31, 2022, the Department received comments from a member of the public (the Correspondent) outlining several areas of concern related to the proposed project.
6. On July 19, 2022, the Department issued a Request for More Information Letter to the Applicant requesting, among other things, that the applicant address the concerns submitted by the Correspondent.
7. On August 3, 2022, the Department received a response to the Request for More Information Letter including an itemized document addressing the concerns raised by the Correspondent.
8. The Correspondent expressed concerns that a dredge of the boat ramp is a short term fix to providing public access to Stevens Pond and, in order to ensure long term access to the pond, the applicant should address stormwater runoff.
9. The applicant outlined that the dredge of the vicinity of the boat ramp will provide a dual benefit by removing encroaching Phragmites growth and result in restored water depths for public access. Future measures to improve the boat ramp, which will include measures to further mitigate erosion, will be addressed in a separate project proposal.
10. The Correspondent expressed concerns that the removal of phragmites would require monitoring and follow-up.
11. The applicant outlined a three year monitoring and treatment plan as evidence that the concern of the Correspondent was being addressed.
12. The Correspondent public questioned if the applicant had coordinated with the NH Department of Agriculture and/or NHDES Exotic Species Coordinator for the proposed herbicide treatment of Phragmites.
13. The Applicant cited a pre-permitting meeting with the NHDES Exotic Species Coordinator and stated that a NH-licensed applicator will perform the herbicide treatment following approval of an Herbicide Permit Application from the NH Department of Agriculture, Markets and Food as evidence that the concern was being addressed.
14. The Correspondent expressed concerns regarding the location of the deposition of the dredge spoils, which contain Phragmites stems.
15. The applicant explained that the dredge spoils around the boat ramp will be transported and deposited at a landfill. Phragmites will be cut and treated with an herbicide and left in place.
16. The Correspondent questioned the timing of dredge project and expressed concerns relative to spawning finfish.
17. The applicant explained that activities would be conducted in late summer during seasonally low water as to avoid and minimize impacts to aquatic organisms Food as evidence that the concern was being addressed.

18. The Correspondent expressed concerns that the proposed dredge was excessive and questioned its necessity.
19. The applicant expressed that the requested dredge is necessary in order to control future growth of Phragmites, preserve the use of the boat launch area, and reduce the need for future impacts.
20. The NHDES finds that the project as proposed and conditioned meets the requirements of RSA 482-A and the Wetlands Program Code of Administrative Rules Chapters Env-Wt 100 - 900. No waivers of RSA 482-A or the Wetlands Program Code of Administrative Rules Chapters Env-Wt 100 - 900 were requested or approved under this permit action.

NHDES Wetlands Bureau permit #2022-01477 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.

A handwritten signature in black ink, appearing to read "Robert R. Scott", written over a horizontal line.

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: Benjamin Lundstedt (for City of Manchester EPD) TOWN NAME: Manchester

RECEIVED MAY 23 2022 NHDES LAND RESOURCES MANAGEMENT	INCOMPLETE Administrative MAY 23 2022 Only	COMPLETE Administrative MAY 31 2022 Only	File No: 2022-0117 Check No: 26907 Amount: \$4000 Initials: RS
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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; I(d)(2)) Please use the <u>Wetland Permit Planning Tool (WPP.T)</u> , the <u>Natural Heritage Bureau (NHB) DataCheck Tool</u> , the <u>Aquatic Restoration Mapper</u> , or other sources to assist in identifying key features such as <u>priority resource areas (PRAs)</u> , <u>protected species or habitats</u> , <u>coastal areas</u> , <u>designated rivers</u> , or <u>designated prime wetlands</u> .	
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 (NHFG) and NHB agreement for a classification downgrade) or a Project-Type Exception (e.g. Maintenance or Statutory Permit-by-Notification (SPN) project)? See Env-Wt 407.02 and Env-Wt 407.04. 	<input checked="" type="checkbox"/> Yes <input 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): ○ NHB Project ID #: 22-0289 	<input type="checkbox"/> Yes <input type="checkbox"/> No
• Bog?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
• Floodplain wetland contiguous to a tier 3 or higher watercourse?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
• Designated prime wetland or duly-established 100-foot buffer?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
• Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone?	<input 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): • A copy of the application was sent to the LAC on Month: Day: Year: 	

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

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

www.des.nh.gov

The proposed project will commence in mid-summer 2022 (*Phragmites* cutting), and dredging activities will be conducted in late summer 2022 (August/September) during the period of seasonally low water.

Activity	Temporary Impacts (sf)	Permanent Impacts (sf)	Volume removed (CY)
Dredging	0	3,427	168
Cutting/Herbicide Treatment	40,133	0	0

For dredging projects, is the subject property contaminated? • If yes, list contaminant: <input type="checkbox"/>	<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 <u>WPPT</u> or Stream Stats): <input type="checkbox"/>	

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.

Stevens Pond is an approximate 24-acre pond located in the northeastern portion of Manchester. The Pond's shoreline is dominated by dense growth of invasive common reed (*Phragmites australis*). Review of aerial imagery has documented that over 1 acre of the Pond's open water habitat has been lost since 2005 due to encroachment of *Phragmites* and associated biomass accumulation. An existing boat launch provides recreational access to the Pond from via Bridge Street. In recent years, the encoaching growth of *Phragmites* in the boat launch area has significantly impaired the ability to launch boats and navigate to the open water portion of the Pond.

The proposed project has two primary activities:

1. Conduct dredging to remove accumulated sediment and *Phragmites* biomass (including rhizomes) to restore open water and inhibit *Phragmites* regrowth between the boat launch and open water zone. Proposed dredging will include 3,427 square feet of permanent impacts to restore open water and historic water depths in the boat access channel and an additional 25 feet laterally to either side.
2. To provide additional control of *Phragmites* in the areas adjacent to the proposed dredging, approximately 0.92 acres of *phragmites* is proposed to be mechanically cut and treated with herbicide. The limit of cutting and herbicide treatment will extend 300 feet laterally from both sides of the boat launch/boat access channel. These impacts are temporary, as regrowth of wetland vegetation the cut/treated areas is anticipated.

Note: An additional Herbicide Permit Application will be submitted to the NH Department of Agriculture, Markets and Food (NH DAMF) for herbicide treatment of the cut *phragmites* areas.

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

ADDRESS: <u>65 Robinson Road, Stevens Pond</u>
TOWN/CITY: <u>Manchester</u>
TAX MAP/BLOCK/LOT/UNIT: <u>638/1</u>
US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME: <u>Stevens Pond</u> <input checked="" type="checkbox"/> N/A
(Optional) LATITUDE/LONGITUDE in decimal degrees (to five decimal places): 42.99407° North 71.42127° 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: Blundstedt City of Manchester Environmental Protection Division

MAILING ADDRESS: 300 Winston Street

TOWN/CITY: Manchester STATE: NH ZIP CODE: 03103

EMAIL ADDRESS: blundstedt@manchesternh.gov

FAX: [REDACTED] PHONE: (603) 624-6341

ELECTRONIC COMMUNICATION: By initialing here: BL, 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.: Musgraves, Elisha, S

COMPANY NAME: Comprehensive Environmental Inc

MAILING ADDRESS: 71 Depot Street

TOWN/CITY: Merrimack STATE: NH ZIP CODE: 03054

EMAIL ADDRESS: emusgraves@ceiengineers.com

FAX: [REDACTED] PHONE: (617) 697-7146

ELECTRONIC COMMUNICATION: By initialing here ESM, 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: [REDACTED]

MAILING ADDRESS: [REDACTED]

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

EMAIL ADDRESS: [REDACTED]

FAX: [REDACTED] PHONE: [REDACTED]

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

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

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

Env-Wt 400: Wetlands were delineated by William Kuriger (NH Certified Wetland Scientist #069) on 02/03/2022. All proposed permanent and temporary wetland impacts will be within wetland areas heavily dominated by growth of invasive phragmites.

Env-Wt 500: Dredging less than 10,000 sf. Erosion and sediment controls will be provided as shown on the site plans. Dewatering will occur by placing dredged materials in a rolloff container with a controllable outlet. Dewatering from the container will pass through a sediment dewatering bag as shown on the site plan details. Filtered water from the sediment dewatering bag will then filter through a crushed stone pad before flowing overland back to the pond. The proposed work meets the requirements set by Env-Wt 525 for Restoration/Enhancement activities.

Env-Wt 600: N/A; no work in tidal or coastal wetlands.

Env-Wt 700: N/A; no work in prime wetlands.

Env-Wt 900: N/A; no stream impacts.

SECTION 8 - AVOIDANCE AND MINIMIZATION

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

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

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

SECTION 9 - MITIGATION REQUIREMENT (Env-Wt 311.02)

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

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

N/A - Mitigation is not required

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

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

N/A - Compensatory mitigation is not required

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

For each jurisdictional area that will be/has been impacted, provide square feet (SF) and, if applicable, linear feet (LF) of impact, and note whether the impact is after-the-fact (ATF; i.e., work was started or completed without a permit).
 For intermittent and ephemeral streams, the linear footage of impact is measured along the thread of the channel. *Please note, installation of a stream crossing in an ephemeral stream may be undertaken without a permit per Rule Env-Wt 309.02(d), however other dredge or fill impacts should be included below.*
 For perennial streams/ivers, the linear footage of impact is calculated by summing the lengths of disturbances to the channel and banks.
 Permanent impacts are impacts that will remain after the project is complete (e.g., changes in grade or surface materials).
 Temporary impacts are impacts not intended to remain (and will be restored to pre-construction conditions) after the project is completed.

JURISDICTIONAL AREA		PERMANENT			TEMPORARY		
		SF	LF	ATF	SF	LF	ATF
Wetlands	Forested Wetland			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Scrub-shrub Wetland			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Emergent Wetland	3427		<input checked="" type="checkbox"/>	40133		<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			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Bank / Shoreline - Lake / Pond			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
Tidal	Tidal Waters			<input checked="" type="checkbox"/>			<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"/>			<input checked="" type="checkbox"/>
	Docking - Tidal Water			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
TOTAL		3427			40133		

SECTION 12 - APPLICATION FEE (RSA 482-A:3, 1)

<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): <input type="checkbox"/> SF × \$0.40 = \$ <input type="checkbox"/>
Seasonal docking structure: <input type="checkbox"/> SF × \$2.00 = \$ <input type="checkbox"/>
Permanent docking structure: <input type="checkbox"/> SF × \$4.00 = \$ <input type="checkbox"/>
Projects proposing shoreline structures (including docks) add \$400 = \$ <input type="checkbox"/>
Total = \$ <input type="checkbox"/>
The application fee for minor or major impact is the above calculated total or \$400, whichever is greater = \$ 400



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

NHDES
 LAND RESOURCES MANAGEMENT

Minimum Impact Project
 Minor Project
 Major Project

SECTION 14 - REQUIRED CERTIFICATIONS (Env-Wt 311.11)

Initial each box below to certify:

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

Initials: B.C.L.
 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: B.C.L.
 The signer understands that:

- The submission of false, incomplete, or misleading information constitutes grounds for NHDES to:
 - 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.

Initials: B.C.L.
 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): <u>[Signature]</u>	PRINT NAME LEGIBLY: Benjamin C. Lundstedt, P.E.	DATE: 4/20/22
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER): <u>[Signature]</u>	PRINT NAME LEGIBLY: [Signature]	DATE: [Signature]
SIGNATURE (AGENT, IF APPLICABLE): <u>[Signature]</u>	PRINT NAME LEGIBLY: Elisha Musgraves	DATE: 5/31/22

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: [Signature] PRINT NAME LEGIBLY: [Signature]
 TOWN/CITY: [Signature] DATE: [Signature]

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:   	The signer understands that: <ul style="list-style-type: none"> The submission of false, incomplete, or misleading information constitutes grounds for NHDES to: <ol style="list-style-type: none"> Deny the application. Revoke any approval that is granted based on the information. If the signer is a certified wetland scientist, licensed surveyor, or professional engineer licensed to practice in New Hampshire, refer the matter to the joint board of licensure and certification established by RSA 310-A:1. The signer is subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641. The signature shall constitute authorization for the municipal conservation commission and the Department to inspect the site of the proposed project, except for minimum impact forestry SPN projects and minimum impact trail projects, where the signature shall authorize only the Department to inspect the site pursuant to RSA 482-A:6, II.
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Initials:   	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: Benjamin C. Lundsted, P.E.	DATE: 4/30/22
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER): 	PRINT NAME LEGIBLY: 	DATE: 
SIGNATURE (AGENT, IF APPLICABLE): 	PRINT NAME LEGIBLY: 	DATE: 

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: Lisa McCarthy
TOWN/CITY: <u>Manchester</u>	DATE: <u>5/11/2022</u>

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MANCHESTER SOUTH QUADRANGLE
NEW HAMPSHIRE
7.5-MINUTE SERIES (TOPOGRAPHIC)



USGS Quadrangle Map with Project Locus



RECEIVED
MAY 23 2022
NHDES
LAND RESOURCES MANAGEMENT



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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City, State, ZIP: _____

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Adult Signature Restricted Delivery \$

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Sent To: REGAN, PATRICK M

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BEAUDOIN, BRIAN AUGUST



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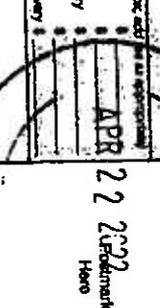
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City, State

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BRADLEY, TODD M



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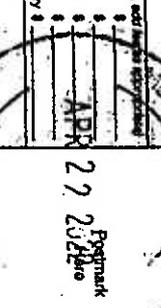
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COLE, MARK R



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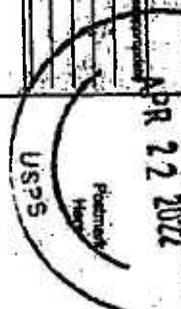
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Street

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NICOLAY, ATHENA



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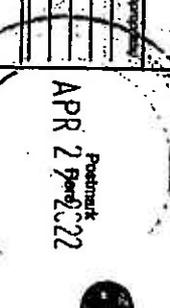
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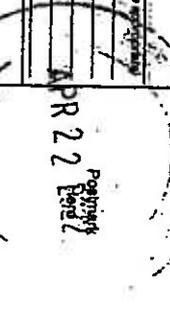
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KNAPP, MICHAEL S USPS



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PAFF, ANTHONY

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SHEEHAN, CYNTHIA P

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AQUINO, MARK J

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GOMEZ, JOAQUIN E

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LISBOA, MEAGAN A

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Sent To **KEATING, TODD P**

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City, State _____

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<input type="checkbox"/> Adult Signature Required	\$
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Total Postage \$

Sent To **BARICK MIECIU**

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City, State _____

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<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

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<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
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Postage \$

Total Postage \$

Sent To **495 OLD WELLINGTON ROAD
APARTMENTS**

Street _____

City, State _____

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<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$

Total Postage \$

Sent To **SMITH, KATHY J**

Street and _____

City, State _____

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<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$

Total Postage \$

Sent To **CLIFFORD, ELAINE M**

Street and _____

City, State _____

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Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Post \$

Sent To **REGAN, CATHLEEN**

Street and

City, State

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Return Receipt (electronic) \$

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Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Post \$

Sent To **BONENFANT, KIMM**

Street

City

PS Form 3800, April 2015 PSN 7530-02-000-9047

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Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Post \$

Sent To **POTTS, ROYCE**

Street and

City, State

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Adult Signature Restricted Delivery \$

Postage \$

Total Post \$

Sent To **MAN SUNSET RIDGE LLC**

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City, State

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Return Receipt (electronic) \$

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Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Post \$

Sent To **MORIN, JOHN F**

Street and

City, State

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Return Receipt (electronic) \$

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Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Post \$

Sent To **ROCHE, BRANDONS**

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City, State

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Sent To: ARSENAULT, MARIANNE

Street #: _____

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Sent To: COX, HAROLD P JR

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Adult Signature Restricted Delivery

Postage

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Sent To: DANIEL, ROBERT

Street #: _____

City, State, ZIP+4®: _____

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Certified Mail Restricted Delivery Adult Signature Required

Adult Signature Restricted Delivery

Postage

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Sent To: RAICHE, DONNA M

Street #: _____

City, State, ZIP+4®: _____

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Adult Signature Restricted Delivery

Postage

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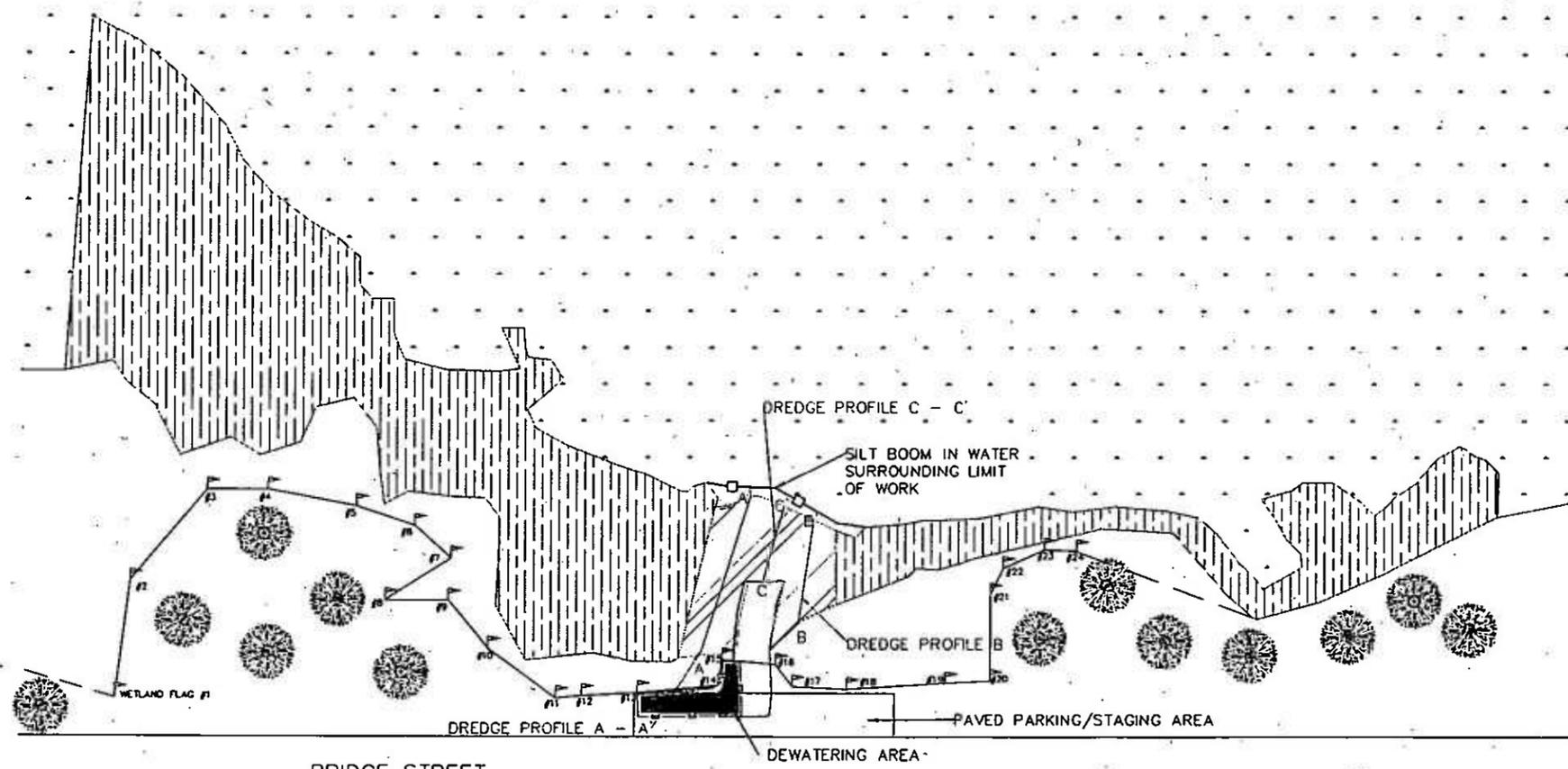
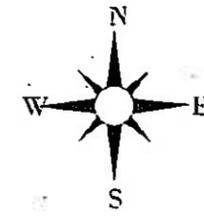
Sent To: TEJADAM, MATTHEW M

Street #: _____

City, State, ZIP+4®: _____

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BRIDGE STREET

EROSION AND SEDIMENT CONTROLS

30 15 0 30 60
SCALE 1" = 30'

GENERAL NOTES

- Mow and Herbicide Treatment Areas
- Dredge Areas
Total= 3427 SF
- Boat Launch
- Wetland Line
- Dewatering Area
Total= 501 SF
- CCB - Erosion control perimeter for dewatering area



P.E. STAMP

No.	Revision/Issue	Date

COMPREHENSIVE ENVIRONMENTAL INCORPORATED

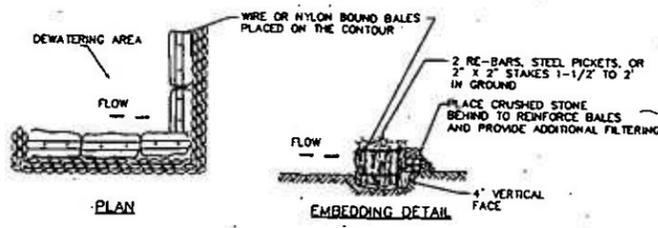
41 MARY ST.
BOLTON, MA 01740

EROSION AND SEDIMENT CONTROLS

STEVENS POND
BOAT LAUNCH RESTORATION
MANCHESTER, NH

Project No. 1923 Date: 08/2022 Drawn by: J.S. Scale: AS SHOWN	Sheet C-3
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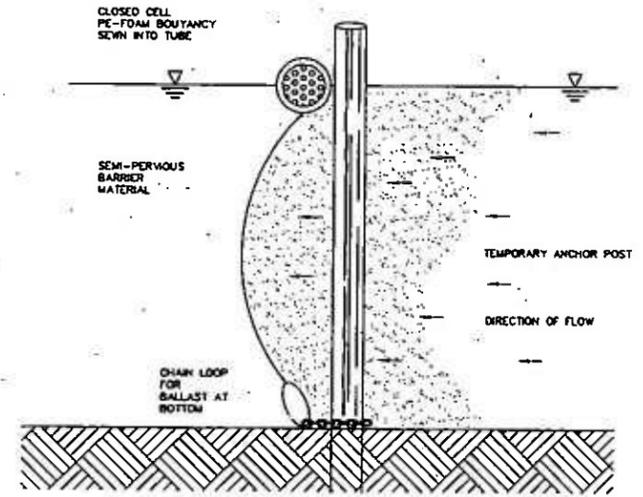
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 LAND RESOURCES MANAGEMENT



STRAW BALE BARRIER CONSTRUCTION SPECIFICATIONS

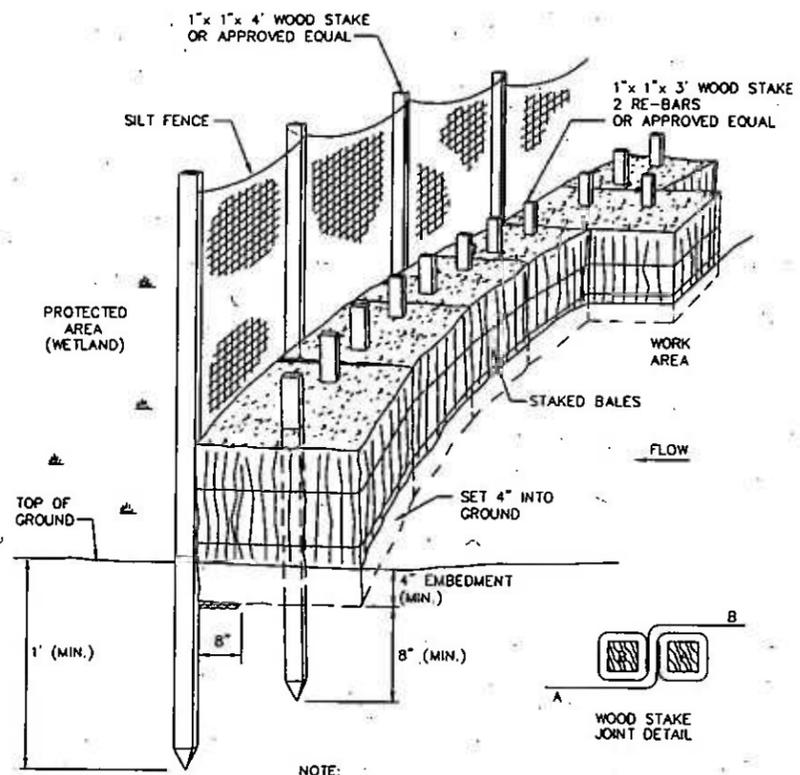
1. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY BUTTED.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4".
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR RE-BARS DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
4. STRAW BALE BARRIER AND REINFORCING CRUSHED STONE TO BE INSTALLED AROUND ENTIRE PERIMETER OF IDENTIFIED DEWATERING AREA.
4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

**DEWATERING AREA
STRAW BALE BARRIER DETAIL**
NOT TO SCALE.



- NOTES:**
1. CONTRACTOR SHALL SUBMIT FOR REVIEW A PROPOSED TURBIDITY CURTAIN DESIGN PRIOR TO START OF CONSTRUCTION. CURTAIN TO BE DESIGNED AND INSTALLED BY SPECIALISTS WITH EXPERIENCE IN INSTALLING AND MAINTAINING TURBIDITY CURTAINS. CURTAIN DESIGN SHALL ACCOMMODATE, AS A MINIMUM, THE ORDINARY HIGH WATER AND APPROXIMATE NORMAL LOW WATER ELEVATIONS SHOWN ON SHEET C-2.
 2. CONTRACTOR SHALL PROVIDE ADEQUATE ANCHORING AND INTERMEDIATE ANCHOR POSTS AS NECESSARY (MAX. SPACING 50' O.C.) TO MAINTAIN THE EFFECTIVENESS OF THE TURBIDITY CURTAIN.
 3. TURBIDITY CURTAIN SHALL BE 22 OZ.-500 LB/INCH FASTWATER SCREEN BY ELASTEC/AMERICAN MARINE, CARM, IL, OR APPROVED EQUAL.
 4. CONTRACTOR IS RESPONSIBLE FOR LOCATION AND ORIENTATION OF TURBIDITY CURTAIN TO PREVENT MIGRATION OF SILT. TOTAL WETLAND AREA DISTURBED BY CONSTRUCTION SHALL BE EQUAL TO OR LESS THAN THE PERMITTED DISTURBANCE OF 51,943 SQ.FT.
 5. FIRMLY FASTEN BALLASTING CHAIN TO BOTTOM OF ANCHOR POST.
 6. CONTRACTOR SHALL INSPECT AND MAINTAIN TURBIDITY CURTAIN AT THE START AND END OF EACH WORK DAY.
 7. ONLY AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE AND THE SITE IS STABILIZED SHALL TURBIDITY CURTAIN BE REMOVED.

SILT BOOM TYP. DETAIL
NOT TO SCALE



**EROSION CONTROL BARRIER -
SILT FENCE AND STRAW BALE DETAIL**
NOT TO SCALE

EROSION CONTROL DETAILS

- GENERAL NOTES**
1. EROSION CONTROL BARRIER PLACEMENT IS AS FOLLOWS:
 - A. FROM WETLAND FLAG #13 TO #15 ERECT SILT FENCE AND STRAW BALES
 - B. FROM WETLAND FLAG #15 AROUND THE UPLAND PERIMETER OF THE DEWATERING AREA ERECT THE STRAW BALE BARRIER ONLY AS SEEN IN DETAIL

P.E. STAMP

No.	Revision	Date



EROSION CONTROL DETAILS
STEVENS POND
MANCHESTER, NH

Project No. 1743	Date
Drawn by: [blank]	
Checked by: [blank]	
Scale: 1/8"=1'-0"	
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