The State of New Hampshire

Department of Environmental Services

Robert R. Scott, Commissioner

148

June 7, 2024

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

REQUESTED ACTION

Approve Roberts Cove Inc's request to perform the following work on Lake Winnipesaukee in Alton pursuant to NH Department of Environmental Services (NHDES) Wetlands Bureau permit #2024-00161, and in accordance with RSA 482-A:3. Comments submitted by the Alton Conservation Commission on the project as proposed, are addressed in the Findings and are included in the enclosed documents.

Impact 5,002 square feet of lakebed in order to dredge 145 cubic yards of material and repair, in-kind, 780 linear feet of bulkhead on an average of 1,844 feet of frontage along Lake Winnipesaukee in Alton.

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 revised plans, revision dated March 19, 2024 by Watermark Marine Construction, as received by the NH Department of Environmental Services (NHDES) on March 20, 2024.
2. In accordance with Env-Wt 307.10(f), dredged materials to be stockpiled in uplands shall be dewatered in sedimentation basins or equivalent structures located on the barge and are contained to prevent turbid water from entering jurisdictional areas.
3. 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.
4. In accordance with Env-Wt 307.10(c), turbidity controls shall be installed prior to dredging and maintained during dredging such that no turbidity escapes the immediate dredge area; and remain in place until suspended particles have settled and water at the dredge site has returned to normal clarity.
5. 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.

EXPLANATION

NHDES approved this project on April 17, 2024. NHDES supported its decision with the following findings:

1. This is a major impact project per Administrative Rule Env-Wt 523.04(c)(3), dredging 145 cubic yards of material from within public waters.

2. The NHDES finds that because the project is not of significant public interest and will not significantly impair the resources of Lake Winnipesaukee a public hearing under RSA 482-A:8 is not required.
3. On January 25, 2024, the Department received comments from the Alton Conservation Commission (ACC) pertaining to the permit application.
4. The ACC asked "What is the method of dredging? What is the silt fence plan? Where is the material being taken?"
5. The dredging construction sequence states that work will be conducted from a barge, temporary pilings will be driven to support a turbidity curtain and the dewatered dredge spoils will be loaded onto trucks for disposal off site and out of wetlands jurisdiction.
6. The Applicant has provided a report from the NH Natural Heritage Bureau indicating that the project should have no adverse impact on any threatened or endangered species.
7. 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 #2024-00161 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

NHDES WETLAND's COPY

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: Roberts Cove Inc.

TOWN NAME: Alton

RECEIVED JAN 22 2024 NHDES LAND RESOURCES MANAGEMENT	COMPLETE Administrative JAN 22 2024 Only	Administrative Use Only	File No.: 2024-00161
			Check No.: 1960
			Amount: 2000.00
			Initials:

A person may request a waiver of the requirements in Rules Env-Wt 100-900 to accommodate situations where strict adherence to the requirements would not be in the best interest of the public or the environment but is still in compliance with RSA 482-A. A person may also request a waiver of the standards for existing dwellings over water pursuant to RSA 482-A:26, III(b). For more information, please consult the Waiver Request Form.

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): o NHB Project ID #: **NHB23-3455**	☐ 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): • A copy of the application was sent to the LAC on Month: Day: Year:	☐ Yes ☒ No

For dredging projects, is the subject property contaminated? • If yes, list contaminant:	☐ 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):	

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.

Proposed dredge of the marina dockage including the boat basin docks and lake frontage docks removing a total of +/- 145 CY of material from an area of +/- 5,002 SF within the boatslips of the existing dockage.

Repair or replace existing +/- 370 LF of sheet pile bulkheads and +/- 120 LF of concrete bulkheads in-kind with no change in size, location or configuration. Replace existing +/- 290 LF of wood bulkheads with sheet pile bulkheads in the same location and configuration.

No work is proposed to any of the dockage on the property.

SECTION 3 - PROJECT LOCATION

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

ADDRESS: **24 Basin Road**

TOWN/CITY: **Alton**

TAX MAP/BLOCK/LOT/UNIT: **018-027-000**

US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME: **Lake Winnipesaukee**
☐ N/A

(Optional) LATITUDE/LONGITUDE in decimal degrees (to five decimal places): **43.52871° North**
71.21376° 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: **Roberts Cove Inc. C/O: Thomas Roberts**		
MAILING ADDRESS: [redacted]		
TOWN/CITY: [redacted]	STATE [redacted]	ZIP CODE [redacted]
EMAIL ADDRESS: **N/A**		
FAX: **N/A**	PHONE: **N/A**	
ELECTRONIC COMMUNICATION: By initialing here **N/A**, 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		
NAME: **Ian Aldcroft**		
COMPANY NAME: **Watermark Marine Construction**		
MAILING ADDRESS: **1218 Union Avenue**		
TOWN/CITY: **Laconia**	STATE: **NH**	ZIP CODE: **03246**
EMAIL ADDRESS: **iea@watermarkmarine.com**		
FAX: **N/A**	PHONE: **603-293-4000**	
ELECTRONIC COMMUNICATION: By initialing here **IEA**, 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: **Roberts Cove Inc. C/O: Thomas Roberts**		
MAILING ADDRESS [redacted]		
TOWN/CITY [redacted]	STATE: [redacted]	ZIP CODE: [redacted]
EMAIL ADDRESS: **N/A**		
FAX: **N/A**	PHONE: **N/A**	
ELECTRONIC COMMUNICATION: By initialing here **N/A**, 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):

There are currently no resource-specific criteria established in chapter Env-Wt 500. There are no resource-specific criteria to meet with regards to the installation of dredging, permanent docks, boathouses, permanent boatlifts, seasonal docks, seasonal PWC lifts, seasonal boatlifts and seasonal canopies.

This project proposes no work involving stream crossings, coastal resources or prime wetlands.

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/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	5,002		☐			☐
	Docking - Lake / Pond			☐			☐
	Docking - River			☐			☐
Banks	Bank - Intermittent Stream			☐			☐
	Bank - Perennial Stream / River			☐			☐
	Bank / Shoreline - Lake / Pond			☐			☐
Tidal	Tidal Waters			☐			☐
	Tidal Marsh			☐			☐
	Sand Dune			☐			☐
	Undeveloped Tidal Buffer Zone (TBZ)			☐			☐
	Previously-developed TBZ			☐			☐
	Docking - Tidal Water			☐			☐
TOTAL		5,002					

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):	5,002 SF	× $0.40 =	$ 2,000.80
Seasonal docking structure:	0 SF	× $2.00 =	$ 0.00
Permanent docking structure:	0 SF	× $4.00 =	$ 0.00
Projects proposing shoreline structures (including docks) add $400 =			$ 0.00
		Total =	$ 2,000.80
The application fee for minor or major impact is the above calculated total or $400, whichever is greater =			$ 2,000.80

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:	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: • 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:	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)

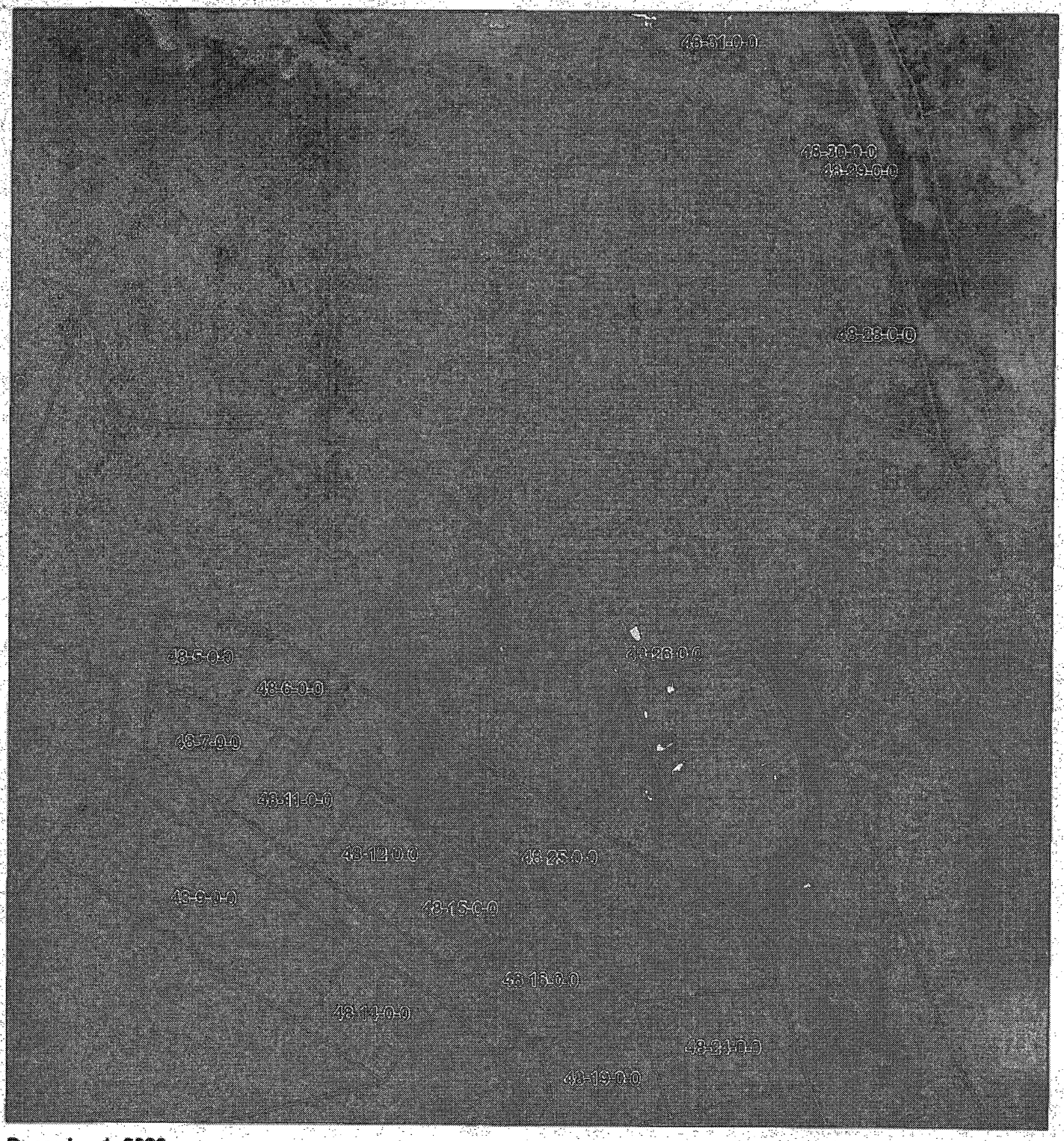
SIGNATURE (OWNER): Roberts Love Inc, Thomas W Roberts	PRINT NAME LEGIBLY: THOMAS W Roberts	DATE: 1-10-24
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER):	PRINT NAME LEGIBLY:	DATE:
SIGNATURE (AGENT, IF APPLICABLE):	PRINT NAME LEGIBLY: Ian Aldcroft	DATE: 1/10/24

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: Melissa A Ingham Deputy	PRINT NAME LEGIBLY: Melissa A Ingham
TOWN/CITY: Alton	DATE: 1/11/24

Roberts Cove Inc. Property



December 1, 2023

parcels

tboundary

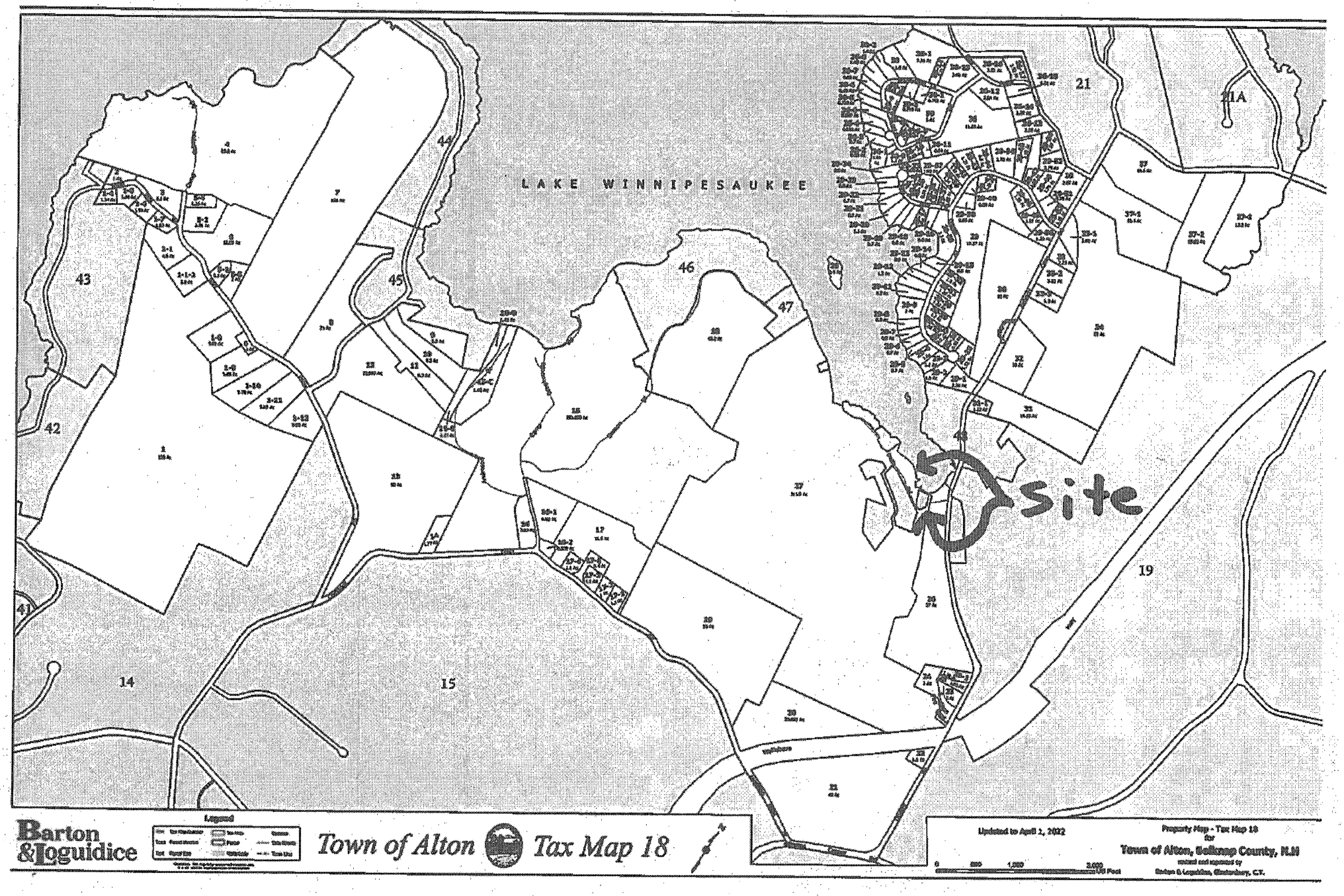
1:2,257

0 0.01 0.03 0.05 mi

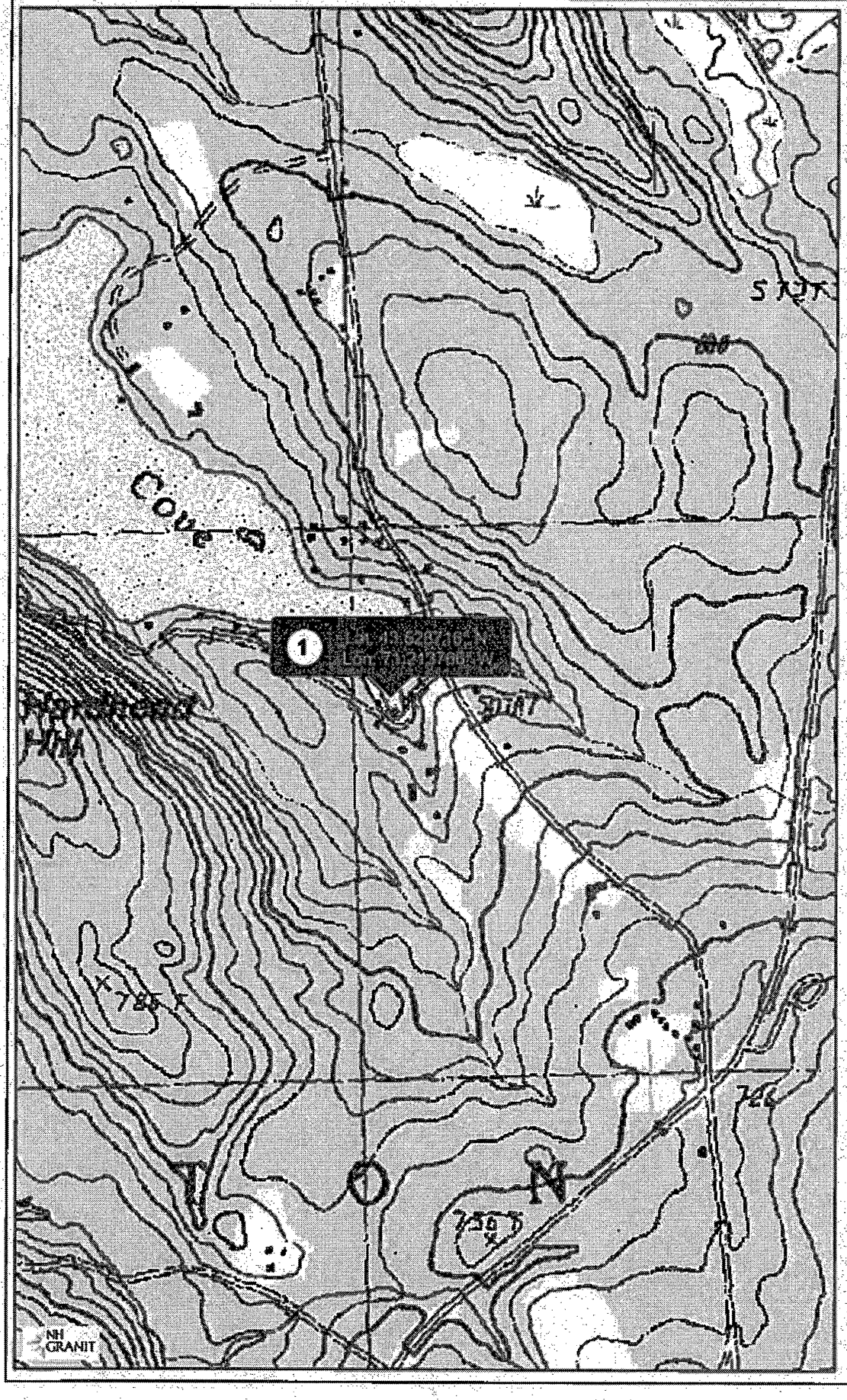
0 0.02 0.04 0.08 km

Maxar

Town of Alton- FOR PLANNING PURPOSES ONLY
Neither the Town nor Corson GIS Solutions accept any liability for the systems completeness or accuracy.


LAKE WINNIPESAUKEE
site
Barton & Loguidice
Legend
Town of Alton
Tax Map 18
Updated to April 1, 2002
Property Map - Tax Map 18
for
Town of Alton, Belknap County, N.H.
Barton & Loguidice, Glastonbury, CT.

Roberts Cove Inc. Property



Legend

- State
- County
- City/Town

Map Scale

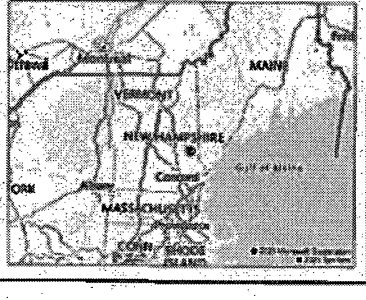
1: 10,000

© NH GRANIT, www.granit.unh.edu

Map Generated: 12/4/2023

Notes

Roberts Cove Inc, C/O: Thomas Roberts
24 Basin Road, Alton
TM/L #018-027-000
Geographic Coordinates:
Latitude: 43.52871° N
Longitude: 71.21376° W



New Hampshire Natural Heritage Bureau
NHB DataCheck Results Letter

To: Ian Aldcroft
1218 Union Avenue

Laconia, NH 03246

From: NH Natural Heritage Bureau
Date: 12/12/2023 (valid until 12/12/2024)
Re: Review by NH Natural Heritage Bureau of request submitted 12/1/2023
Permits: NHDES - Wetland Standard Dredge & Fill - Major, USACE - General Permit

NHB ID: NHB23-3455 **Applicant:** Ian Aldcroft

Location: Alton
24 Basin Road

Project Description: Proposed dredge of the marina dockage including the boat basin docks and lake frontage docks removing a total of +/- 145 CY of material from an area of +/- 5,002 SF within the boatslips of the existing dockage. Repair or replace existing +/- 370 LF of sheet pile bulkheads and +/- 120 LF of concrete bulkheads in-kind with no change in size, location or configuration. Replace existing +/- 290 LF of wood bulkheads with sheet pile bulkheads in the same location and configuration. No work is proposed to any of the dockage on the property.

The NH Natural Heritage database has been checked by staff of the NH Natural Heritage Bureau and/or the NH Nongame and Endangered Species Program for records of rare species and exemplary natural communities near the area mapped below. The species considered include those listed as Threatened or Endangered by either the state of New Hampshire or the federal government.

It was determined that, although there was a NHB record (e.g., rare wildlife, plant, and/or natural community) present in the vicinity, we do not expect that it will be impacted by the proposed project. This determination was made based on the project information submitted via the NHB Datacheck Tool on 12/1/2023 9:01:51 AM, and cannot be used for any other project.

Based on the information submitted, no further consultation with the NH Fish and Game Department pursuant to Fis 1004 is required.

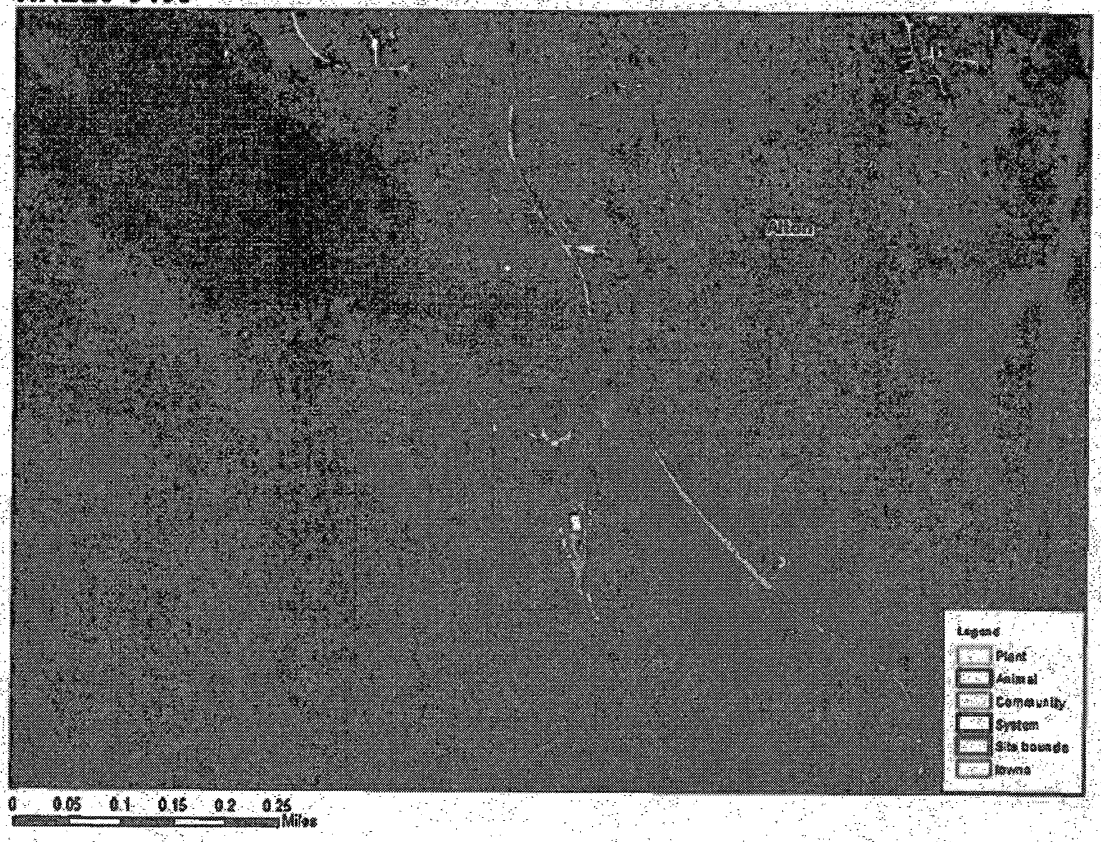
Department of Natural and Cultural Resources
Division of Forests and Lands
(603) 271-2214 fax: 271-6488

DNCR/NHB
172 Pembroke Rd.
Concord, NH 03301

New Hampshire Natural Heritage Bureau
NHB DataCheck Results Letter

MAP OF PROJECT BOUNDARIES FOR: **NHB23-3455**

NHB23-3455



Department of Natural and Cultural Resources
Division of Forests and Lands
(603) 271-2214 fax: 271-6488

DNCR/NHB
172 Pembroke Rd.
Concord, NH 03301

Shrestha, Rumi

From: Katherine Bowden <kbowden@alton.nh.gov>
Sent: Thursday, January 25, 2024 9:46 AM
To: DES: Land Resources Management
Cc: Conservation Chair
Subject: 24 Basin Road, Alton -Standard Wetlands Dredge and Fill –

EXTERNAL: Do not open attachments or click on links unless you recognize and trust the sender.

Hi,

I'm reaching out on behalf of the Alton Conservation Commission regarding the Standard Dredge and Fill Wetlands permit Application for Roberts Cove Inc, 24 Basin Road, Alton

The Conservation Commission would like to submit the following comment with the application.
What is the method of dredging? What is the silt fence plan? Where is the material being taken?

Please let me know if any more information is needed to submit the comment.

Thank you in advance.

Sincerely,
Katherine Bowden
Building / Conservation
Administrative Assistant

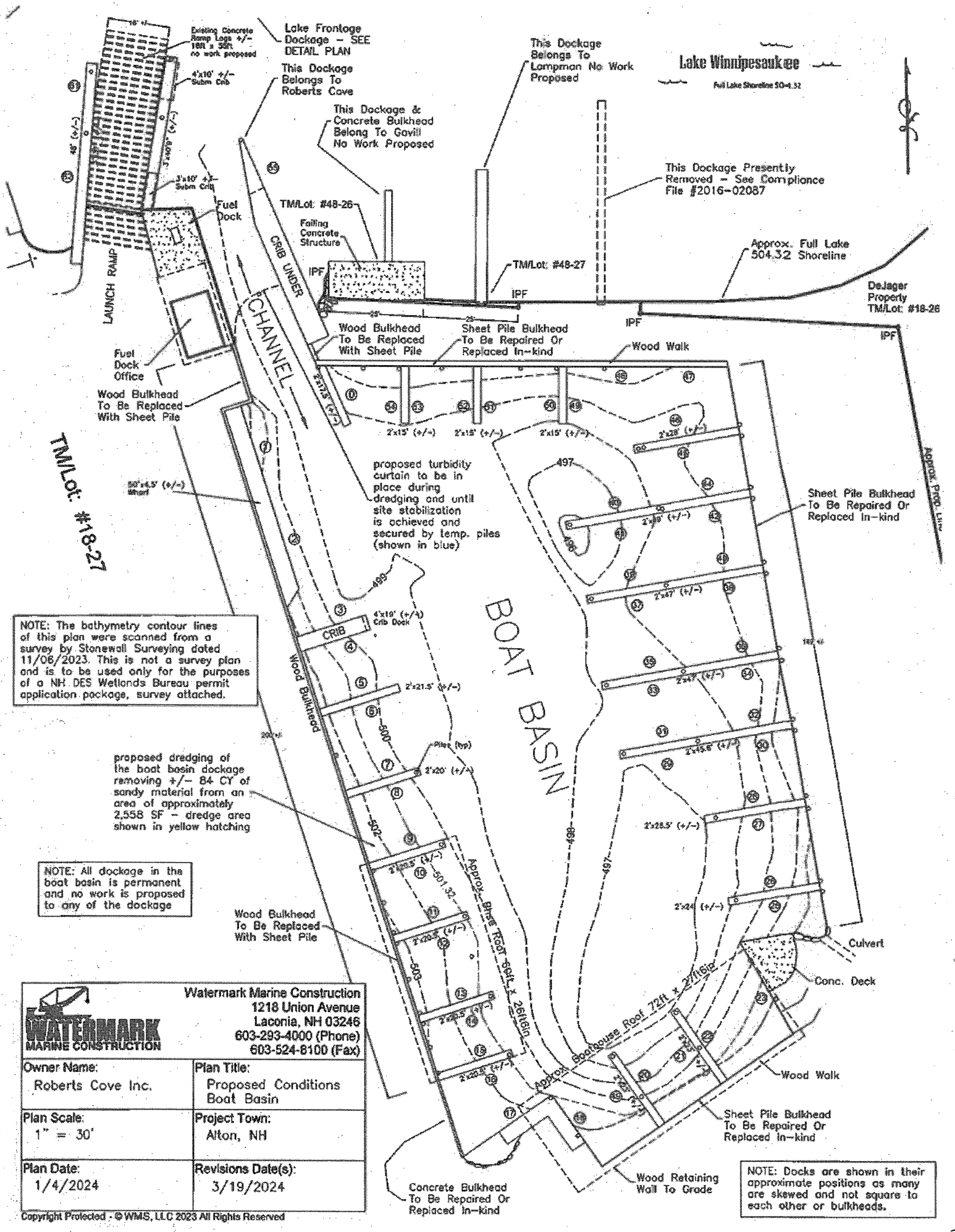
****NOTICE****

The Building Department has been and is receiving an unprecedented volume of Building Permit applications, accessory permit requests, and other requests such as septic designs and street numbers. As a result, the average processing time to review and approve a Building Permit application has gone from one week to as much as four weeks. Inspections are currently being scheduled 48-72 hours in advance.Please plan accordingly.

Town of Alton
M-Th,7am-5:30pm
Mailing Address: PO Box 659
Physical Address: 1 Monument Square, Alton, NH 03809
www.alton.nh.gov
(603) 875-2164-office; (603) 651-0732-fax
The information in this email message and any attachments is intended for the named recipient only and may be privileged and confidential. If you have received this email message and attachments, if any, in error, please notify me immediately by email at the above address and return and destroy the original and all copies. If you are not the intended recipient of this e-mail, you are hereby notified that any dissemination, distribution or copying of this e-mail, and any attachments thereto, is strictly prohibited.

Abutter List

TM/L #	Owner:
018-027-000 (Site)	Roberts Cove Inc. C/O: Thomas Roberts [redacted]
048-025-000	Roberts Cove Inc. C/O: Thomas Roberts [redacted]
018-026-000	Gwyneth R. De Jagger 1982 Trust Trustees: Gwyneth & Peter De Jagger [redacted]
048-003-000	Michelsen, Nathaniel John & Julia Davis Crook Benjamin William & Katherine Davis [redacted]
048-027-000	Elizabeth A. & Russell C. Lampman [redacted]
048-026-000	Robert Gavil [redacted]



NOTE: The bathymetry contour lines of this plan were scanned from a survey by Stonewall Surveying dated 11/06/2023. This is not a survey plan and is to be used only for the purposes of a NH DES Wetlands Bureau permit application package, survey attached.

NOTE: All dockage in the boat basin is permanent and no work is proposed to any of the dockage

NOTE: Docks are shown in their approximate positions as many are skewed and not square to each other or bulkheads.

WATERMARK MARINE CONSTRUCTION

Watermark Marine Construction
1218 Union Avenue
Laconia, NH 03246
603-293-4000 (Phone)
603-524-8100 (Fax)

Owner Name: Roberts Cove Inc.	Plan Title: Proposed Conditions Boat Basin
Plan Scale: 1" = 30'	Project Town: Alton, NH
Plan Date: 1/4/2024	Revisions Date(s): 3/19/2024

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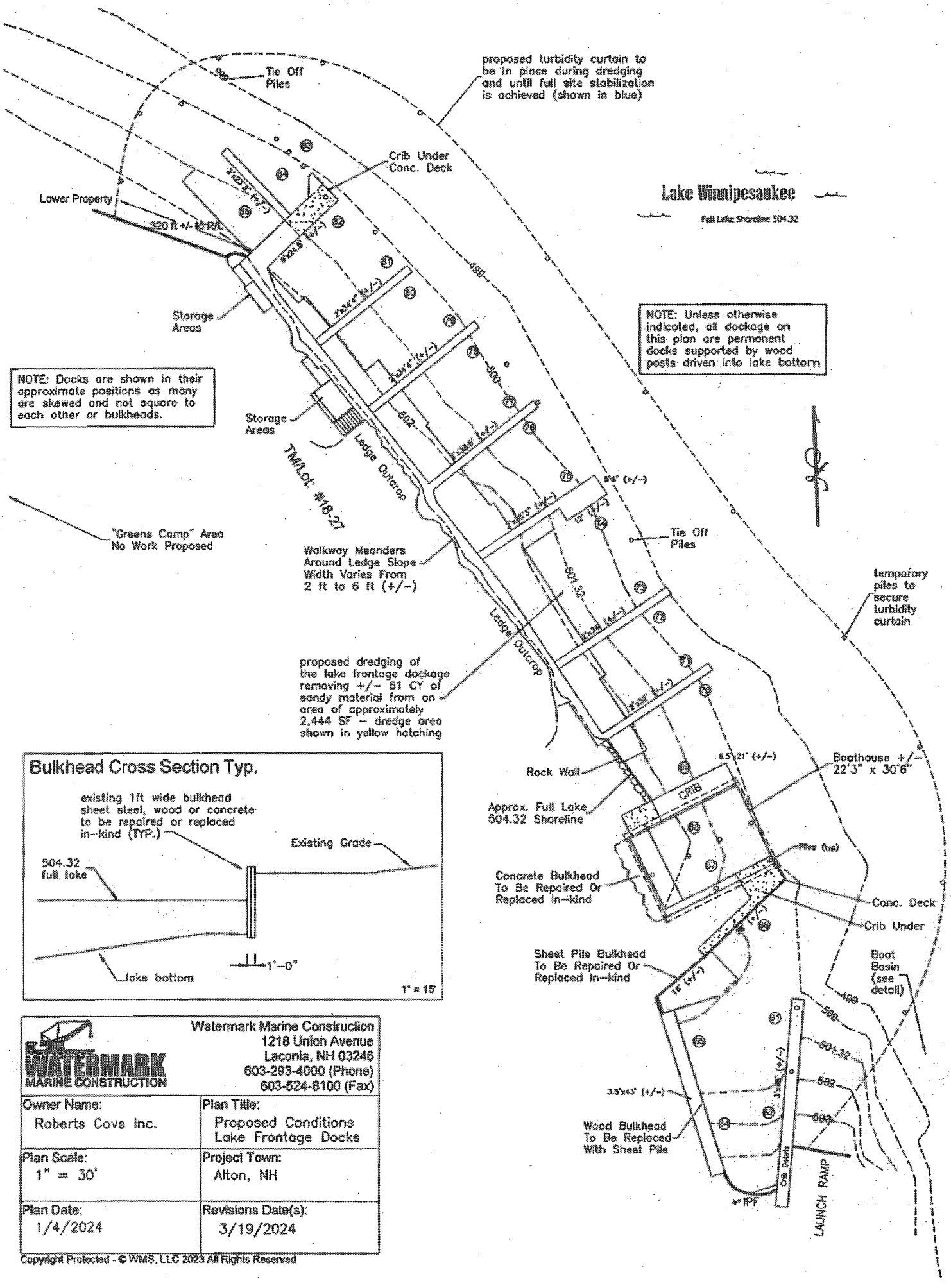
Tie Off Piles
proposed turbidity curtain to be in place during dredging and until full site stabilization is achieved (shown in blue)
Crib Under Conc. Deck
Lake Winnipesaukee
Full Lake Shoreline 504.32
Lower Property
320 ft +/- to P/L
Storage Areas
NOTE: Unless otherwise indicated, all dockage on this plan are permanent docks supported by wood posts driven into lake bottom
NOTE: Docks are shown in their approximate positions as many are skewed and not square to each other or bulkheads.
Storage Areas
TM/Lot: #18-27
Ledge Outcrop
"Greens Camp" Area No Work Proposed
Walkway Meanders Around Ledge Slope Width Varies From 2 ft to 6 ft (+/-)
Tie Off Piles
temporary piles to secure turbidity curtain
proposed dredging of the lake frontage dockage removing +/- 61 CY of sandy material from an area of approximately 2,444 SF - dredge area shown in yellow hatching
Ledge Outcrop
Rock Wall
Approx. Full Lake 504.32 Shoreline
Boathouse +/- 22'3" x 30'6"
CRIB
Concrete Bulkhead To Be Repaired Or Replaced In-kind
Conc. Deck
Crib Under
Sheet Pile Bulkhead To Be Repaired Or Replaced In-kind
Boat Basin (see detail)
Wood Bulkhead To Be Replaced With Sheet Pile
LAUNCH RAMP
Bulkhead Cross Section Typ.
existing 1ft wide bulkhead sheet steel, wood or concrete to be repaired or replaced in-kind (TYP.)
Existing Grade
504.32 full lake
lake bottom
1'-0"
1" = 15'
WATERMARK MARINE CONSTRUCTION
Watermark Marine Construction
1218 Union Avenue
Laconia, NH 03246
603-293-4000 (Phone)
603-524-8100 (Fax)
Owner Name: Roberts Cove Inc.
Plan Title: Proposed Conditions Lake Frontage Docks
Plan Scale: 1" = 30'
Project Town: Alton, NH
Plan Date: 1/4/2024
Revisions Date(s): 3/19/2024
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Dredging Construction Sequence:

1. Mobilize barge and equipment to site via lake.
2. Drive temporary pilings to secure turbidity controls.
3. Install siltation/turbidity controls.
4. Remove +/- 145 cubic yards of material within a 5,002 square foot area.
5. Dredged material shall be dewatered directly on the barge within the working areas.
6. Water from material dewatering on barge shall be filtered so as to minimize turbidity in site waters.
7. Dredge spoils shall be loaded from the barge directly onto trucks and hauled upland off-site and disposed of out of jurisdication.
8. Remove siltation/turbidity controls including temporary piles upon stabilization of site.

Bulkhead Replacement Construction Sequence:

1. Mobilize barge and equipment to site via lake and land.
2. Drive temporary piles to secure turbidity curtain.
3. Install siltation/turbidity controls.
4. Remove failing concrete, wood or sheet pile bulkheads and dispose of upland, out of jurisdiction.
5. Install new bulkheads in the same location/configuration and same or similar materials.
6. Backfill bulkheads to match pre-construction grades.
7. Remove siltation/turbidity controls including temporary piles upon full stabilization of site

WATERMARK MARINE CONSTRUCTION

Watermark Marine Construction
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Laconia, NH 03246
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603-524-8100 (Fax)

Owner Name: Roberts Cove Inc.	Plan Title: Construction Sequences
Plan Scale: 1" = 10'	Project Town: Alton, NH
Plan Date: 3/19/2024	Revisions Date(s):

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The proposed project shall be completed during low water conditions (drawdown)