



The State of New Hampshire
Department of Environmental Services

Robert R. Scott, Commissioner



Jam
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September 13, 2021

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

SEP15'21 AM10:12 RCVD

REQUESTED ACTION

Approve Christopher Andrew's request to perform work on Lake Winnepesaukee in Alton as outlined below. This request is pursuant to New Hampshire Department of Environmental Services (NHDES) file #2021-01789. This project will not have significant impact on, or adversely affect, the values of Lake Winnepesaukee. No comments were submitted by the Alton Conservation Commission regarding this application.

Place approximately 70 cubic yards of fill on 615 square feet of lakebed to construct a 42 foot breakwater, and a 3 foot x 34 foot cantilevered pier and a 6 foot x 34 foot pilling pier connected by a 6 foot x 12 foot pile supported walkway in a "U" configuration and accessed by a 4 foot x 10 foot walkway, and install 2 fender piles along an average of 108 feet of frontage on the western portion of Barndoor Island, Lake Winnepesaukee in Alton.

The 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 May 23, 2021 by Advantage NH Lakes, as received by the NH Department of Environmental Services (NHDES) on June 8, 2021.
2. This permit shall not be effective until it has been recorded in the Belknap County Registry of Deeds and a copy of the recorded permit has been provided to the department as required pursuant to RSA 482-A:3, and Env-Wt 314.02.
3. Any subdivision of the property frontage will require removal of a sufficient portion of the docking structures to comply with the dock size and density requirements in effect at the time of the subdivision as required to maintain compliance with Env-Wt 314.02 and Env-Wt 513.12.
4. Only those structures shown on the approved plans shall be installed or constructed along this frontage as required per Env-Wt 513.22, (a).
5. All portions of the docking structures, including the breakwater toe -of-slope, shall be located at least 20 feet from the abutting property lines and no watercraft shall be secured to the docking facility such that it crosses over the imaginary extension of the property lines over the surface water as required by RSA 482-A:3, XIII.
6. In accordance with Env-Wt 512.05(b), no rocks shall be stockpiled in any jurisdictional area.
7. No portion of the docking structures shall extend more than 39 feet from the shoreline at full lake elevation (Elev. 504.32) pursuant to Env-Wt 513.22, (a).

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. The use of this structure shall be limited to the docking and securing of watercraft as required to comply with Env-Wt 307.09.
9. Owners of permanent docking structures which are not maintained so as to be structurally sound and usable for their intended purpose shall remove those docking structures in accordance with Env-Wt 513.22(c), to prevent hazards to public safety, navigation, and recreation.
10. The owner understands and accepts that should these docking structures be found to have an unreasonable impact on the ability of abutting owners to use and enjoy their properties or the public's right to navigation, passage, and use of the resource for commerce and recreation the structures shall be subject to removal pursuant to RSA 482-A:1, RSA 482-A:11, II, and Env-Wt 513.03(a).
11. 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.
12. 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.
13. 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.
14. 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.
15. No agitating or heating device shall be installed for the purpose of inhibiting the formation of ice in proximity to the approved structures unless it has been registered with the municipal clerk of the town in which such device shall be operated pursuant to RSA 270:34 Registration Required.
16. Pursuant to RSA 270:33, Heating, Agitating, or Other Devices in Public Waters; Safety Hazard, no agitating or heating device installed in accordance with RSA 270:34 shall inhibit or prevent the natural formation of ice in such a manner as to impede either the ingress or egress to or from the ice from any property other than that of the owner of the device.

EXPLANATION

The NHDES approved this project on July 27, 2021. The NHDES supported its decision with the following findings:

1. This is a major impact project per Administrative Rule Env-Wt 512.06, construction of a breakwater.
2. The applicant has an average of 108 feet of frontage along Lake Winnepesaukee.
3. A maximum of 2 slips may be permitted on this frontage per Rule Env-Wt 513.12, Frontage Requirements for Private and Non-commercial Docking Structures.
4. The proposed docking facility will provide 2 slips as defined per RSA 482-A:2, VIII, and therefore meets Rule Env-Wt 513.12.
5. The applicant has provided the NHDES with evidence that the property has insufficient water depth as required by Env-Wt 513.08(b).

6. The NHDES has accepted the evidence of the physical hardship and approved the extension of a permanent supported pier beyond that permissible under Env-Wt 513.11, (a)(1)(b).
7. The NHDES finds that because the project is not of significant public interest and will not significantly impair the resources of Lake Winnepesaukee a public hearing under RSA 482-A:8 is not required.
8. No concerns were received from abutters nor the local Conservation Commission related to the project.
9. The Department 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.

Application file documents are being forwarded to the Governor and the Executive Council in connection with their consideration of this matter pursuant to RSA 482-A:3, II(a), as it is a major project in public waters of the state.

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: Andrews, Christopher

TOWN NAME: Alton

		Administrative Use Only	File No.: <u>2021-01789</u>
			Check No.: <u>18/21 / 707</u>
			Amount: <u>700 / 2,184.41</u>
			Initials: <u>BA</u>

A person may request a waiver to requirements in Rules Env-Wt 100-900 to accommodate situations where strict adherence to the requirements would not be in the best interests of the public or the environment. A person may also request a waiver of standard for existing dwellings over water pursuant to RSA 482-A:26, III (b). For more information, please consult the [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 Resource 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? Yes No. If yes, provide the following information:

- Does the project qualify for an Impact Classification Adjustment or a Project-Type Exception (See Env-Wt 407.02 and Env-Wt 407.04)? Yes No
- Protected species or habitat? Yes No. If yes, species or habitat name(s):
- NHB Project ID #: NHB21-1570
- 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? Yes No. If yes, provide the following information:

- Name of Local River Management Advisory Committee (LAC): n/a
- A copy of the application was sent to the LAC on Month: x Day: x Year: xxxx

For stream crossing projects, provide watershed size: n/a

For dredging projects, is the subject property contaminated? Yes No
If yes, list contaminant: n/a

Is there potential to impact impaired waters, class A waters, or outstanding resource waters? Yes No

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" in the space provided below.

Provide a 615 sf rock breakwater with a 3'x34' cantilevered pier to a 4'w x 12' connecting walkway to a 6'w x 30' piling dock in a "U" shaped configuration accessed by a 4'x10' walkway to shore to provide two protected boatslips/ safe docking for the owner and their guests. Dock qualifies for permanent dock construction pursuant to Env-Wt. 513.04 (e) and breakwater construction pursuant to Env-Wt. 512. Breakwater is a straight breakwater design with small dogleg at the lakeward most end minimizing impacts when compared to other breakwater design alternatives (see attached). This property is shown on Appendix D and the frontage experiences significant wave energy and wrap around effects from the prevailing winds that travel across the broads and directly impact Big Barndoor Island and Clay Point. Need is demonstrated by the Appendix D and the many breakwaters that exist in the immediate area and surrounding shorelines.

SECTION 3 - PROJECT LOCATION

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

ADDRESS: Big Barndoor Island

TOWN/CITY: Alton

TAX MAP/BLOCK/LOT/UNIT: 80-29

US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME: Lake Winnepesaukee

N/A

(Optional) LATITUDE/LONGITUDE in decimal degrees 43.55383° North
(to five decimal places): 71.22405° 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: Christopher Andrews

MAILING ADDRESS

TOWN/CITY:

STATE:

ZIP CODE:

EMAIL ADDRESS: *See agent info

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

LAST NAME, FIRST NAME, M.I.: Folsom, Allen

COMPANY NAME: Advantage NH Lakes

MAILING ADDRESS: P.O. Box 862

TOWN/CITY: Wolfeboro Falls

STATE: NH

ZIP CODE: 03896

EMAIL ADDRESS:

FAX: n/a

PHONE: 603-998-0619

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

SECTION 6 - PROPERTY OWNER INFORMATION (IF DIFFERENT THAN APPLICANT) (Env-Wt 311.04(b))

If the owner is a trust or a company, then complete with the trust or company information.
 Same as applicant

NAME:

MAILING ADDRESS:

TOWN/CITY: STATE: ZIP CODE:

EMAIL ADDRESS: FAX: PHONE:

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

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

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

See all package information supplied. Some specific items are addressed below:

- *The project meets Env-Wt 311.07 Demonstration of Avoidance and Minimization
- *The project does not require a CWS delineation pursuant to Env-Wt 406.03 (5) nor a functional assessment as it is located over public submerged lands and is a dock project.
- *The project is a PTE (Project-Type-Exception) as listed in Table 407-2 Breakwaters Criteria specified in Env-Wt 512
- *The project is designed pursuant to Env-Wt 512, has approved neighboring breakwaters, receives waves from the broads and neighboring properties and is shown on Appendix D.
- The project meets Env-Wt 513.10 Setback

SECTION 8 - AVOIDANCE AND MINIMIZATION

Impacts within wetland jurisdiction must be avoided to the maximum extent practicable (Env-Wt 313.03(a)). If all impacts cannot be avoided, a functional assessment is required for minor and major projects (Env-Wt 311.03(b)(10)). 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.

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

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).

Have you submitted a compensatory mitigation proposal that meets the requirements of Env-Wt 800 for all permanent impacts that will remain after avoidance and minimization demonstration? Yes No

N/A - 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 required permitting).

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			<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 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	615		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Docking - Lake / Pond	382.75		<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		997.75					

SECTION 12 - APPLICATION FEE (RSA 482-A:3, I)		
<input type="checkbox"/> MINIMUM IMPACT FEE: Flat fee of \$400		
<input 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):	615 SF	× \$0.40 = \$ 260.40
Seasonal docking structure:	SF	× \$2.00 = \$
Permanent docking structure:	382.75 SF	× \$4.00 = \$ 1531.00
Projects proposing shoreline structures (including docks) add \$400 =		\$ 400.00
Total =		\$ 2,191.40
The application fee for minor or major impact is the above calculated total or \$400, whichever is greater = \$ 2,191.40		
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
SECTION 14 - REQUIRED CERTIFICATIONS (Env-Wt 311.11)		
Initial each box below to certify:		
Initials: AF	To the best of the signer's knowledge and belief, all required notifications have been provided.	
Initials: CA	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: CA	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"> 1. Deny the application. 2. Revoke any approval that is granted based on the information. And 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 trail projects, where the signature shall authorize only the Department to inspect the site pursuant to RSA 482-A:6, II. 	
Initials: CA	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 SIGNATURE (Env-Wt 311.04(d); Env-Wt 311.11)		
SIGNATURE (OWNER): <u>(electronic signature)</u> Christopher J Andrews	PRINT NAME LEGIBLY: Chris Andrews	DATE: 5-6-2021
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER):	PRINT NAME LEGIBLY:	DATE:
SIGNATURE (AGENT, IF APPLICABLE):	PRINT NAME LEGIBLY: Allen Folsom	DATE: 5-30-2021

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

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

www.des.nh.gov

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: <i>Lisa Noyes</i>	PRINT NAME LEGIBLY: <i>Lisa Noyes</i>
TOWN/CITY: <i>Alton</i>	DATE: <i>6/2/21</i>

DIRECTIONS FOR TOWN/CITY CLERK:

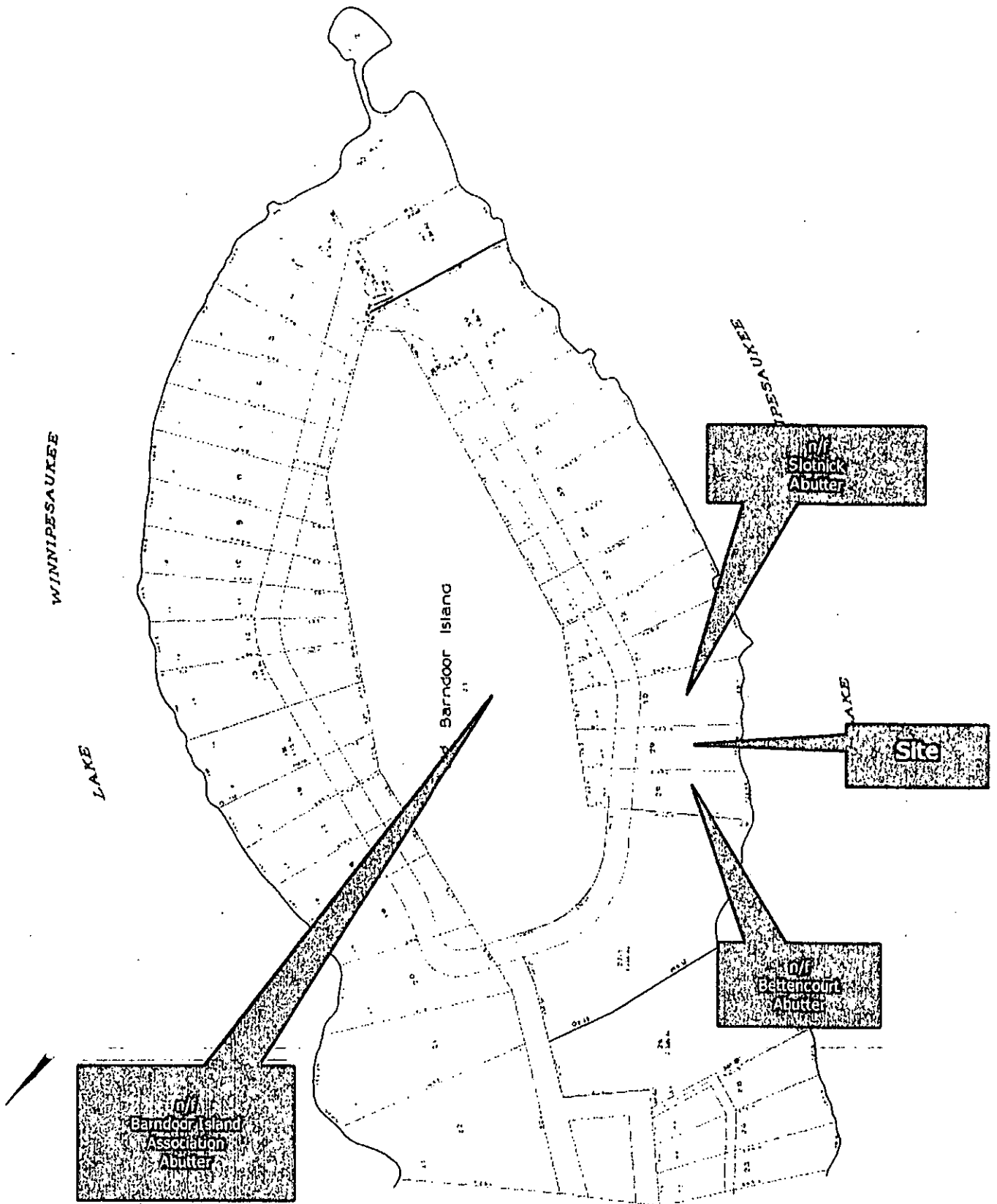
Per RSA 482-A:3, I(a)(1)

1. IMMEDIATELY sign the original application form and four copies in the signature space provided above.
2. Return the signed original application form and attachments to the applicant so that the applicant may submit the application form and attachments to NHDES by mail or hand delivery.
3. IMMEDIATELY distribute a copy of the application with one complete set of attachments to each of the following bodies: the municipal Conservation Commission, the local governing body (Board of Selectmen or Town/City Council), and the Planning Board. And
4. Retain one copy of the application form and one complete set of attachments and make them reasonably accessible for public review.

DIRECTIONS FOR APPLICANT:

Submit the single, original permit application form bearing the signature of the Town/City Clerk, additional materials, and the application fee to NHDES by mail or hand delivery at the address at the bottom of this page.

Andrews- TM# 80-29, Big Barndoor Island, Alton, NH



(MELVIN VILLAGE)

WOLFEBORO QUADRANGLE
NEW HAMPSHIRE
TOPOGRAPHIC SERIES

(OSIPEE)

071° 14' 48.82" W 043° 34' 38.00" N (TUFTONBORO) 071° 12' 05.81" W 043° 34' 38.00" N

(WEST ALTON)

(SANBORNVILLE)

043° 31' 50.43" N 071° 14' 48.82" W (ALTON) 043° 31' 50.43" N 071° 12' 05.81" W

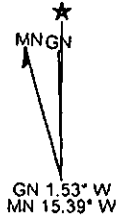
(GILMANTON IRONWORKS)

Produced by MyTopo Terrain Navigator
Topography based on USGS 1:24,000
litops

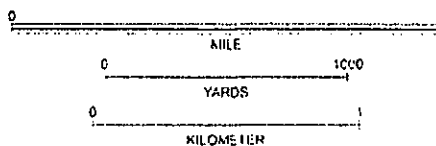
North American 1983 Datum (NAD83)
Transverse Mercator Projection

To place on the predicted North American
1927 move the projection lines 9M N and
35M E

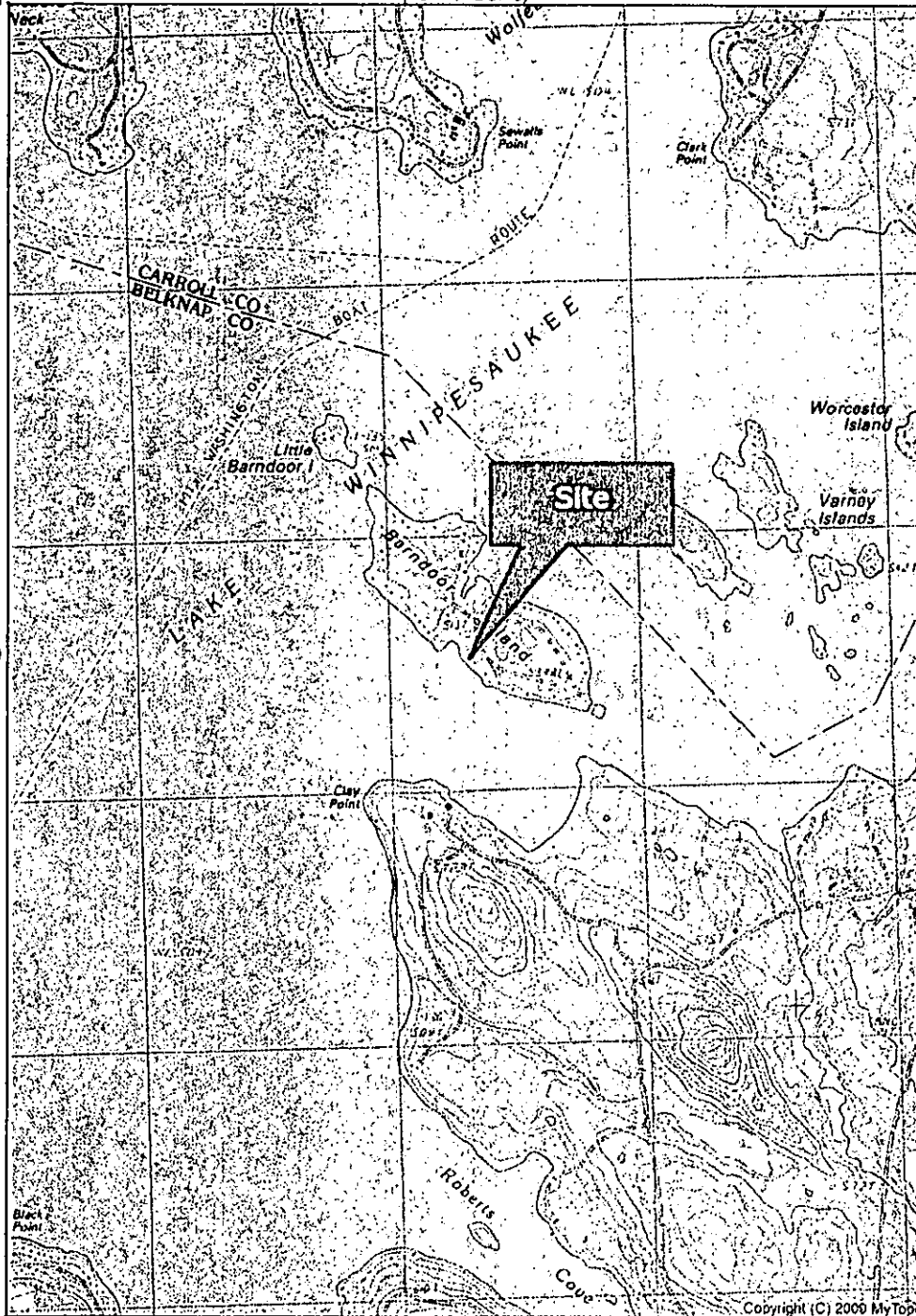
Declination



SCALE 1:24000



CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM 1929



New Hampshire Natural Heritage Bureau
NHB DataCheck Results Letter

To: Allen Folsom
P.O. Box 862
Wolfeboro Falls, NH 03896

From: NH Natural Heritage Bureau

Date: 5/6/2021 (This letter is valid through 5/6/2022)

Re: Review by NH Natural Heritage Bureau of request dated 5/6/2021

Permit Types: Shoreland Standard Permit
Wetland Standard Dredge & Fill - Major

NHB ID: NHB21-1570

Applicant: Allen Folsom

Location: Alton
Tax Map: 80, Tax Lot: 29
Address: Big Barndoor Island

Proj. Description: Provide a new cottage, deck and 3 bedroom septic system within the shoreland zone. In addition, provide two slip breakwater and dock.

The NH Natural Heritage database has been checked 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. We currently have no recorded occurrences for sensitive species near this project area.

A negative result (no record in our database) does not mean that a sensitive species is not present. Our data can only tell you of known occurrences, based on information gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, or have only been surveyed for certain species. An on-site survey would provide better information on what species and communities are indeed present.

New Hampshire Natural Heritage Bureau
NHB DataCheck Results Letter

MAP OF PROJECT BOUNDARIES FOR: NHB21-1570



ABUTTERS LIST

Name of property owner (s): Andrews
Location of proposed project: Tax Map 80 Lot 29, Big Barndoor Island, Alton, NH
Brief description of work: Wetlands & Shoreland Applications

TM# 80-27
Barndoor Island Association

TM# 80-28
Ronald & Nancy Bettencourt

TM# 80-30
Arthur Slotnick
Roberta Slotnick










Flowage Rights;
NHDES Water Division- Dam Bureau
P.O. Box 95
Concord, NH 03302-0095
Attn: James Gallagher

RSA 483-B:4 I.

"Abutter" means any person who owns property that is immediately contiguous to the property on which the proposed work will take place, or who owns flowage rights on such property. The term does not include those properties separated by a public road or more than 1/4 mile from the limits of the proposed work. If contiguous properties are owned by the person who is proposing the work, then the term includes the person owning the next contiguous property, subject to the 1/4 mile limitation.

25' WATERFRONT BUFFER TREE SEGMENT INFORMATION
 Denotes tree Segment
 Segment # 2
 Segment points
 25 points minimum are to remain within a full 25' tree segment.
 Diameter Pts
 1-3 1 p=pine, o=oak, m=maple, b=beech.
 3-6 5 br =birch, h=hemlock
 6-12 10
 12+ 15
 Tree segments marked as "NC" were not calculated as no work is proposed within the segment

Legend

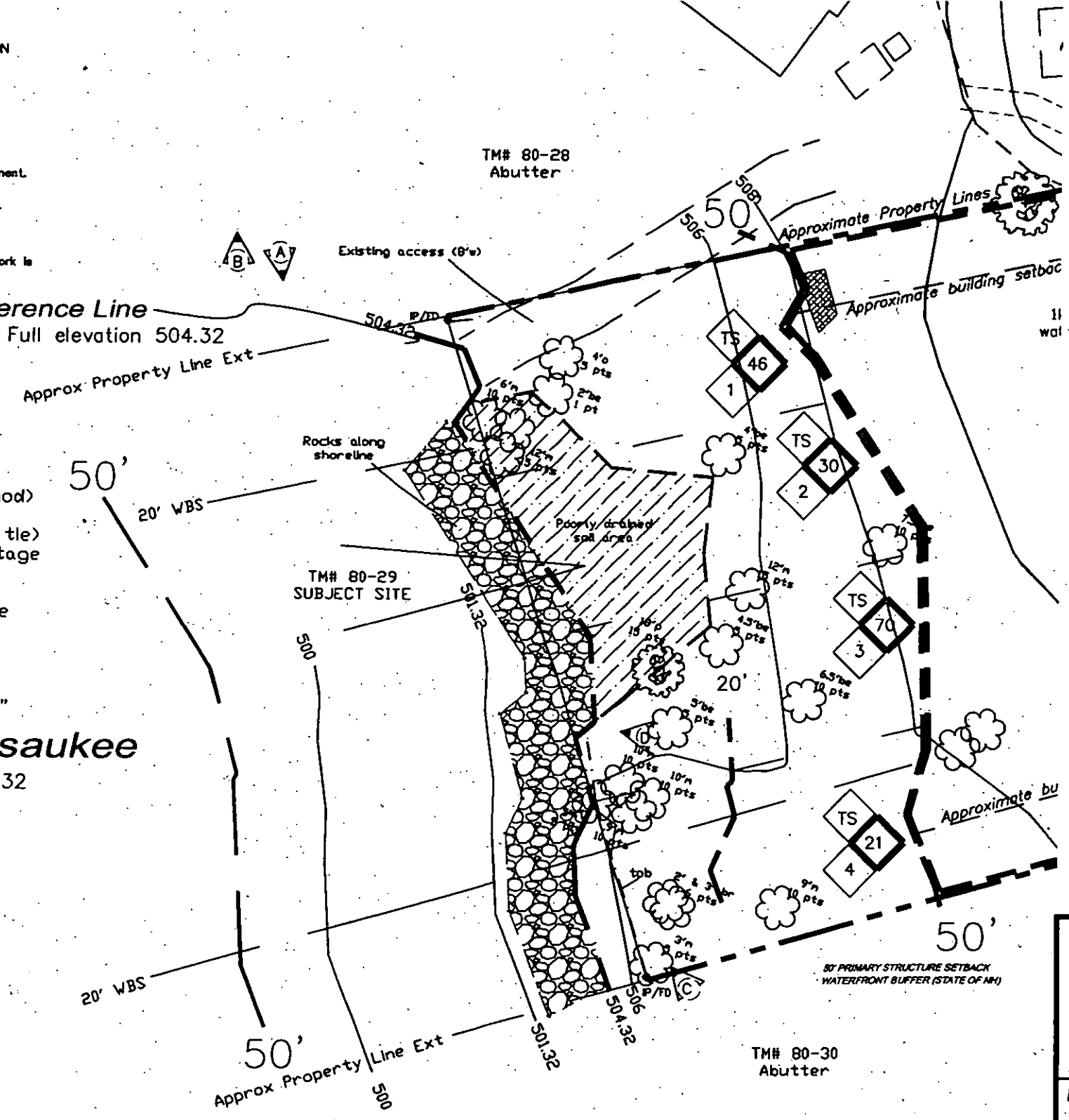
-  Existing building
-  Approximate Property Line
-  Full Lake elevation
-  Denotes Photo Locations sequence and direction
-  Property monument Found
-  Rocky Shoreline
-  Proposed dock
-  Existing deciduous tree
-  Existing evergreen tree



Frontage Calculations (NHDES Method)
 113' +/- by the shore
 102.5' +/- pin to pin (straight line tie)
 107.75' +/- Average shoreline frontage
 2 boatslips allowable

Env-Wt. 1405.03 Spatial compliance
 107.75' x 7.5 = 808.12 sf

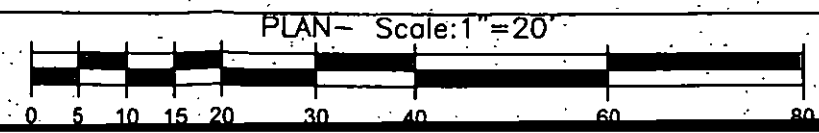
"Barndoor Island"
Lake Winnepesaukee
 Lake full El. 504.32

Reference Line
 Lake Full elevation 504.32



 mag north	Wetlands Bureau Application Plan Prepared for: Christopher Andrews Big Barndoor Island, Alton, NH Lake Winnepesaukee Map & Lot #'s: 80-29	EXISTING CONDITIONS
	Prepared by:  Advantage NH Lakes P.O. Box 862, Wolfeboro Falls, NH 03896 (603) 998-0619 phone advantagenhlakes@gmail.com email	

Notes:
 1. This plan was prepared for the purpose of a NHDES Wetlands Bureau Application. This is NOT a survey. The data has derived from available information such as deed, property monuments, town tax info, etc and is approximate. Property lines not having been verified, no representation or certification as to the accuracy of those shown is implied or intended. Property lines should be verified in field by licensed surveyor prior to construction. This responsibility shall be the owners.
 2. All structural information should be verified by an engineer prior to construction.
 3. This project does not require a CWS Definition per Env-WL 406.03(3) nor a functional assessment as it is located over public waters and is a dock project.



Drawing Scale: As noted	Date: 5-23-2021	Drawn By: Allen Folsom
1929 NGVD	File # Andrews2021	Sheet: 1 of 3

P1

PROPOSED 2 BEDROOM COTTAGE 1,487.7 SF
FF EL +/- 514.0










BENCH MARK
PK NAIL IN 20" MAPLE
EL. 511.16

Frontage Calculations (NHDES Method)
113' +/- by the shore
102.5' +/- pin to pin (straight line tie)
107.75' +/- Average shoreline frontage
2 boatslips allowable

Env-Vt. 1405.03 Spatial compliance
107.75' x 7.5 = 808.12 sf

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LAND RESOURCES MANAGEMENT

Legend

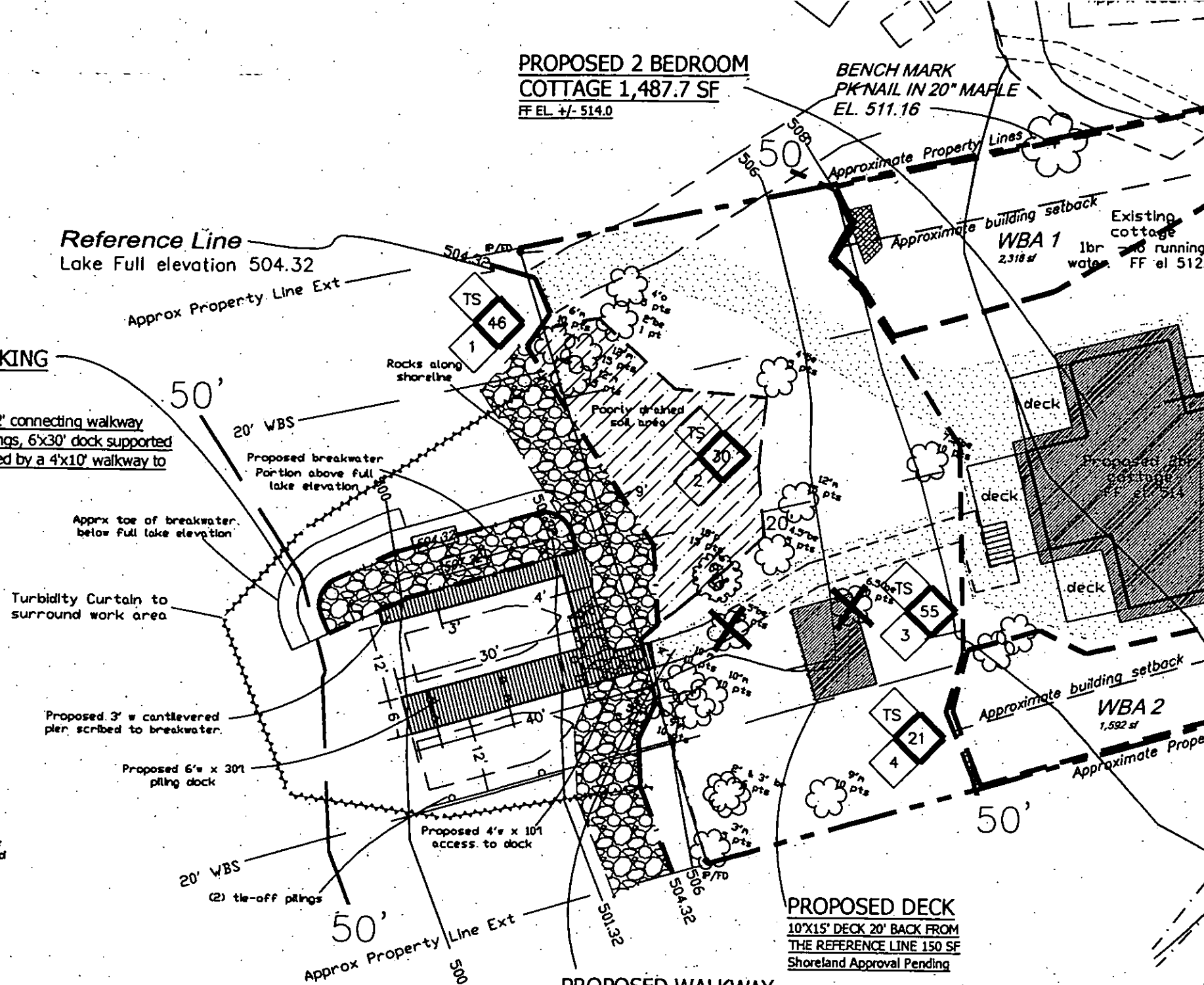
-  Existing building
-  Approximate Property Line
-  Full Lake elevation
-  Denotes Photo Locations, sequence and direction
-  Property monument Found
-  Rocky Shoreline
-  Proposed dock
-  Existing deciduous tree
-  Existing evergreen tree


PROPOSED DOCKING
615 sf rock breakwater
382.75 sf docking
3' cantilevered pier, 4x12' connecting walkway supported on 2 oak pilings, 6x30' dock supported on 6 oak pilings accessed by a 4x10' walkway to shore

PROPOSED DECK
10'X15' DECK 20' BACK FROM THE REFERENCE LINE 150 SF
Shoreland Approval Pending

PROPOSED WALKWAY
4' WIDE WALKWAY FROM DOCK TO COTTAGE 270 SF
Shoreland Approval Pending

Reference Line
Lake Full elevation 504.32



 mag north	Wetlands Bureau Application Plan Prepared for: Christopher Andrews Big Barndoor Island, Alton, NH Lake Winnepesaukee Map & Lot #'s: 80-29	PROPOSED CONDITIONS
	Prepared by: ADVANTAGE NH LAKES Advantage NH Lakes P.O. Box 862, Wolfeboro Falls, NH 03896 (603) 998-0619 phone advantagenhlakes@gmail.com email	
Drawing Scale: As noted	Date: 5-23-2021	Drawn By: Allen Folsom

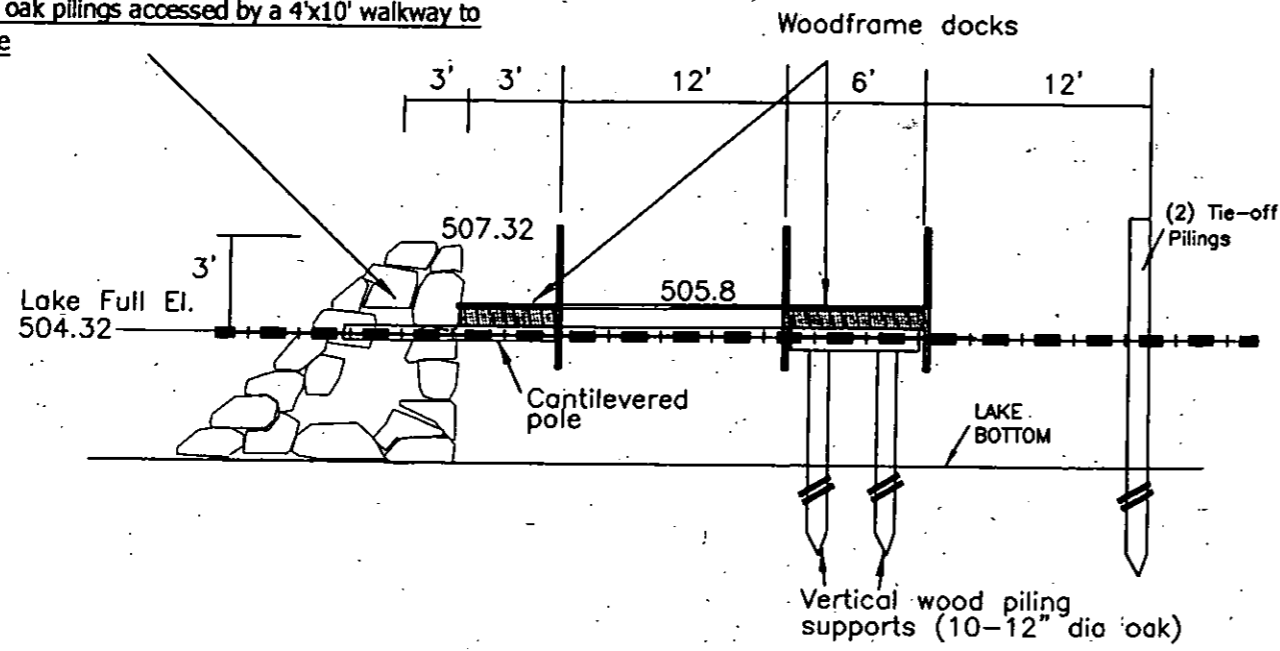
NOTE:
1. This plan was prepared for the purpose of a NHDES Wetlands Bureau Application. This is NOT a survey. The data has derived from available information such as deed, property monuments, town tax info, etc and is approximate. Property lines not having been verified, no representation or certification as to the accuracy of those shown is implied or intended. Property lines should be verified in field by licensed surveyor prior to construction. This responsibility shall be the owners.
2. All structural information should be verified by a structural engineer.

PLAN - Scale: 1" = 20'

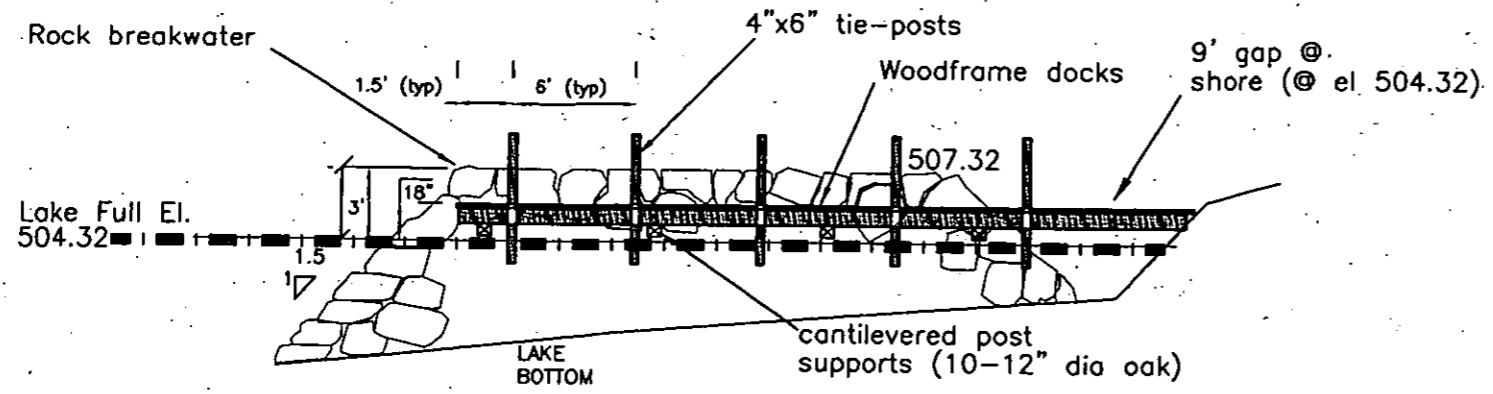
P2

PROPOSED DOCKING

615 sf rock breakwater
 382.75 sf docking
 3' cantilevered pier, 4x12' connecting walkway supported on 2 oak pilings, 6'x30' dock supported on 6 oak pilings accessed by a 4'x10' walkway to shore



Typical woodframe docks consist of:
 4"x8" outside framework
 2"x8" stringers
 4"x6"x6" dock posts
 2"x6" decking
 10-12" dia cantilevered poles
 10-12" dia pilings
 (Typ PT "naturewood")



Construction Sequence:

1. Utilize appropriate erosion controls such as a turbidity curtain to surround work area and remain until all areas are stabilized.
2. Measures to be taken to mark proposed breakwater. Proposed breakwater to be constructed as per approved plans. Utilize area as indicated as a temporary stockpile of material/selection of material to construct new breakwater.
3. Docks to be constructed as per approved plans.
4. Once turbidity has cleared and construction is complete turbidity curtain may be removed.

Note: No trees are required to be cut to facilitate the dock project

Constructed using robust and reliable components, these barriers actively work to contain silt, turbidity and displaced particles around your site. Type 1 curtains are typically recommended for use in water locations with calm conditions.

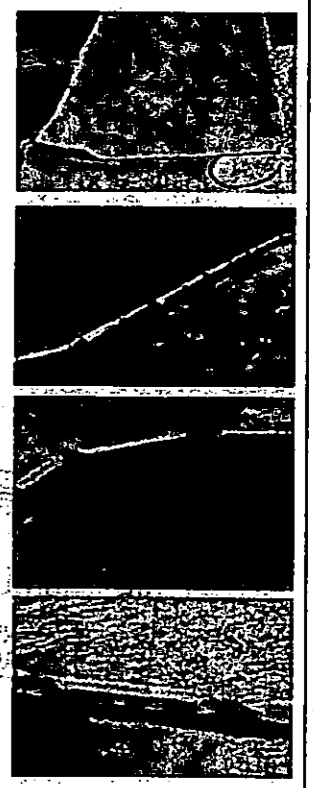
- Applications
- Marine Construction Sites
 - DOT Road Repair
 - Small Pond or Lake Work Activities
 - Marinas and Harbors
 - Calm Water Silt and Turbidity Control

- Advantages
- Economical Silt Control
 - Easy to Connect and Install
 - Helps Keeps Sites in Compliance
 - Effective Control in Shallow or Slow Moving Areas

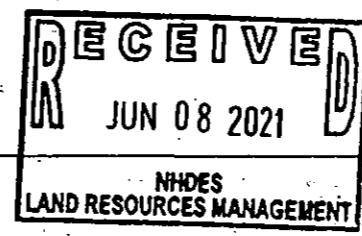
Accessories are an important component to the installation of any silt curtain or barrier in order to maximize effectiveness.

- Turbidity Curtain Accessories
- Anchor Kits
 - Buoys
 - Marker Lights
 - Tow Bridges

Importance of Anchoring:
 Anchoring and anchor kits are one of the most important accessories for sites dealing with moving currents, waves, tides or other site factors. Having the right anchor pattern, installation design and anchors can significantly influence, reduce and redistribute loads placed on your barrier. Contact our technical team (+1 772.646.0597) for more information regarding anchor placement and use.



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 2. All structural information should be verified by an engineer prior to construction.
 3. This project does not require a CWS Delineation per Env-WL 406.03(S) nor a functional assessment as it is located over public waters and is a dock project.



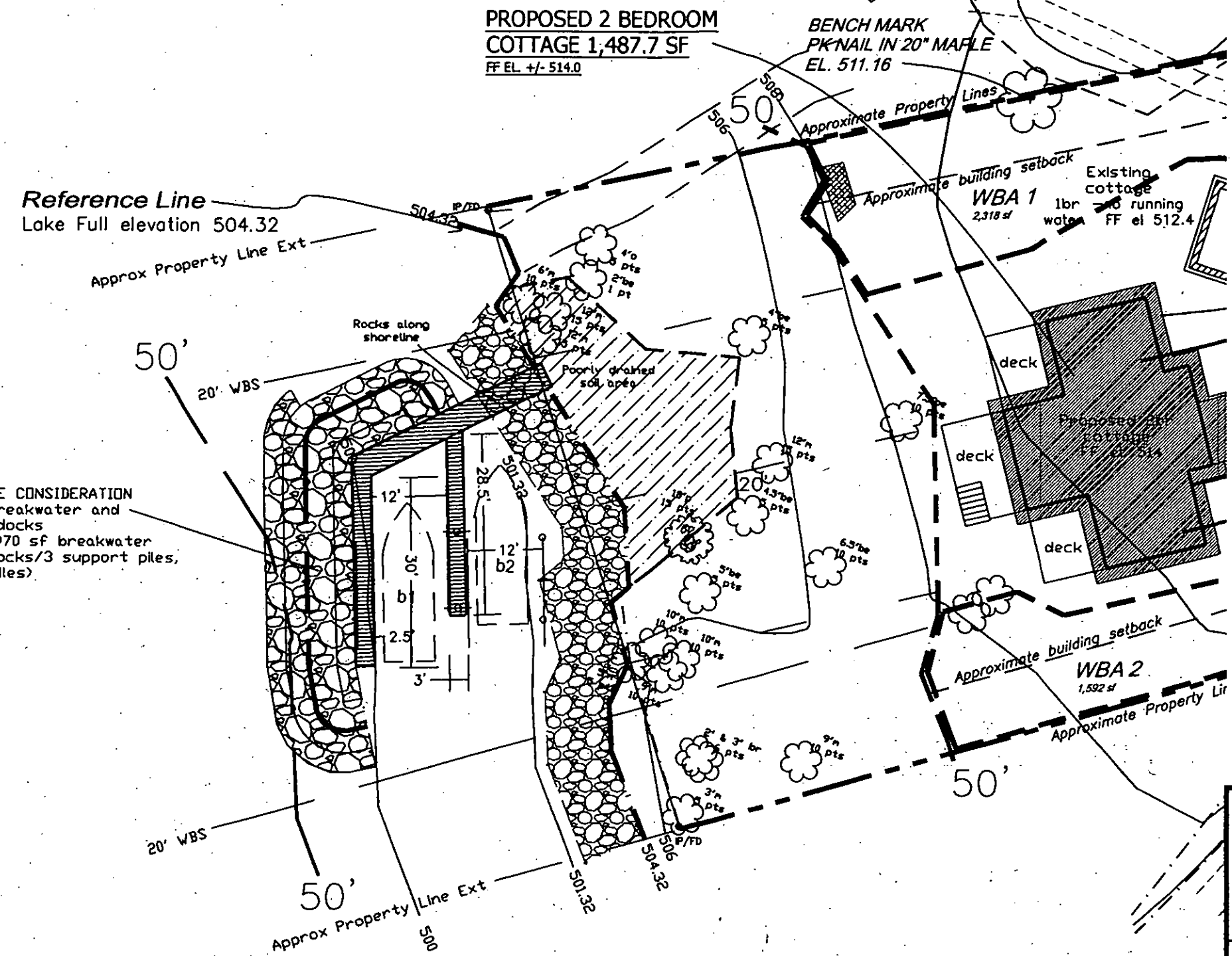
Wetlands Bureau Application Plan Prepared for: Christopher Andrews Big Barndoor Island, Alton, NH Lake Winnepesaukee Map & Lot #'s: 80-29		PLAN DETAILS Not to Scale
Prepared by: ADVANTAGE NH LAKES Advantage NH Lakes P.O. Box 862, Wolfeboro Falls, NH 03896 (603) 998-0619 phone advantagenhlakes@gmail.com email		
As noted	Date: 5-23-2021	Drawn By: Allen Folsom
1929 NGVD	File # Andrews2021	Sheet: 3 of 3

P3

Frontage Calculations (NHDES Method)
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Env-Vt. 1405.03 Spatial compliance
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REGISTERED
 JUN 08 2021
 NHDES
 LAND RESOURCES MANAGEMENT

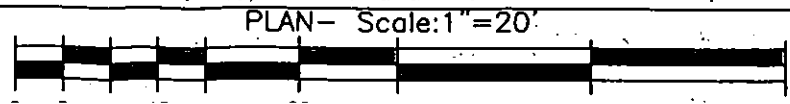


Legend

- Existing building
- Approximate Property Line
- Full Lake elevation
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INFORMATION ONLY

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 mag north	Wetlands Bureau Application Plan Prepared for: Christopher Andrews Big Barndoor Island, Alton, NH Lake Winnepesaukee Map & Lot #'s: 80-29	ALTERNATIVE - NOT FOR CONSTRUCTION
Prepared by: ADVANTAGE NH LAKES Advantage NH Lakes P.O. Box 862, Wolfeboro Falls, NH 03896 (603) 998-0619 phone advantagenhlakes@gmail.com email		
Drawing Scale: As noted	Date: 5-23-2021	Drawn By: Allen Folsom
1929 NGVD	File # Andrews2021	Sheet: ALTERNATIVE

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