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

**Robert R. Scott, Commissioner**

69

July 30, 2025

Her Excellency, Governor Kelly A. Ayotte
and The Honorable Council
State House
Concord, NH 03301

REQUESTED ACTION

Approve Jeanine Clark's request to perform the following work on Lake Winnipesaukee in Tuftonboro pursuant to NH Department of Environmental Services (NHDES) Wetlands Bureau permit #2025-00150, and in accordance with RSA 482-A:3. No comments were submitted by the Tuftonboro Conservation Commission regarding the project as proposed.

Dredge 23 cubic yards from 477 square feet of lakebed to provide navigable access and impact 2,644 square feet along 65 linear feet of bank to construct a 36 foot x 37 foot, 2 slip dug-in boathouse on an average of 439 feet of frontage along Lake Winnipesaukee on Chase Point in Tuftonboro.

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 December 20, 2024 by Horizons Engineering, as received by the NH Department of Environmental Services (NHDES) on January 23, 2025.
2. This permit shall not be effective until it has been recorded in the Carroll 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. No dredging or excavation for the proposed dug-in basin shall occur until the Permittee submits, and receives acknowledgement of, evidence that the existing Effluent Disposal System has been removed and replaced with a new system in a location that will comply with RSA 483-B:9, V, (c).
4. In accordance with Env-Wt 515.05(c), construction impacts shall be limited to areas within 15 feet of the proposed structure's footprint.
5. In accordance with Env-Wt 515.05(e), no construction, modification, or maintenance activity that is contrary to RSA 482-A:26 shall be conducted.
6. In accordance with Env-Wt 515.05(d), all disturbed areas shall be revegetated with native non-invasive species in accordance with Env-Wq 1412.05 relative to a planting matrix for restoring the waterfront buffer.
7. In accordance with Env-Wt 515.05(b), the sides of the dug-in basin shall be stabilized prior to the inundation of the basin.
8. 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.
9. Only those structures shown on the approved plans shall be installed or constructed along this frontage as required per Env-Wt 513.22, (a).

10. All portions of the docking structures 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.
11. 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.
12. 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).
13. 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.
14. Pursuant to RSA 483-B:9, V(a)(2)(D), (v), this permit does not authorize the removal of trees or saplings within the waterfront buffer that would result in a tree and sapling point score below the minimum required per RSA 483-B:9, V(a)(2)(D), (iv).
15. 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.
16. 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.
17. 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 June 02, 2025. NHDES supported its decision with the following findings:

1. This is a major impact project per Administrative Rule Env-Wt 515.06(e), construction of a new dug-in basin and boathouse.
2. The applicant has an average of 439 feet of frontage along Lake Winnipesaukee.
3. A maximum of 6 slips may be permitted on this frontage per Rule Env-Wt 513.12, Frontage Requirements for Private and Non-commercial Docking Structures.
4. The dug-in basin will provide 2 boat slips in accordance RSA 482-A:2, VIII(a) and Env-Wt 103.30.
5. The proposed and existing docking facilities will provide a total of 4 slips as defined per RSA 482-A:2, VIII, and therefore meets Rule Env-Wt 513.12.
6. 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.
7. No comments related to the project were received from the abutters.

8. 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 #2025-00150 application documents are enclosed for review by the Governor and the Executive Council in consideration of this request and in accordance with RSA 482-A:3, II(a), as it is a major project located in New Hampshire public waters.

We respectfully request your approval of this item.

Robert R. Scott
Commissioner

# STANDARD DREDGE AND FILL WETLANDS PERMIT APPLICATION

Water Division / Land Resources Management

Check the Status of your Application

**RSA/Rule**: RSA 482-A/Env-Wt 100-900

**APPLICANT'S NAME:** Jeanine Clark **TOWN NAME:** Tuftonboro

| | | | |
|---|---|---|---|
| Administrative Use Only<br>RECEIVED JAN 29 2025 NHDES LAND RESOURCES MANAGEMENT | Administrative Use Only | Administrative Use Only | File No.: 2025-00150<br>Check No.: 4283<br>Amount: 509.60<br>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))**<br>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 (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. | ○ Yes ○ No |
| • Protected species or habitat?<br>o If yes, species or habitat name(s):<br>o NHB Project ID #: | ○ 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:<br>• Name of Local River Management Advisory Committee (LAC):<br>• A copy of the application was sent to the LAC on Month: Day: Year: | ○ Yes ● No |

| | |
|---|---|
| For dredging projects, is the subject property contaminated?<br>• 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): NA | |

## SECTION 2 PROJECT DESCRIPTION (Env-Wt 311.04(i))

Provide a description of the project and the purpose of the project, the need for the proposed impacts to jurisdictional areas, an outline-of the scope of work to be performed, and whether impacts are temporary or permanent.

The project consists of building a boathouse in an upland area adjacent to Lake Winnipesaukee, including 477 SF of impacts to the bed of the lake for grading.

## SECTION 3 - PROJECT LOCATION

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

ADDRESS: 97 Chase Point Road

TOWN/CITY: Tuftonboro

TAX MAP/BLOCK/LOT/UNIT: 26/2-3

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

☐ N/A

(Optional) LATITUDE/LONGITUDE in decimal degrees (to five decimal places):

| | | |
|---|---|---|
| **SECTION 4 - APPLICANT (DESIRED PERMIT HOLDER) INFORMATION (Env Wt 311.04(a))**<br>If the applicant is a trust or a company, then complete with the trust or company information. | | |
| NAME: Jeanine Clark | | |
| MAILING ADDRESS: [redacted] | | |
| TOWN/CITY: [redacted] | STATE: [redacted] | ZIP CODE: [redacted] |
| EMAIL ADDRESS: [redacted] | | |
| FAX: [redacted] | PHONE: [redacted] | |
| ELECTRONIC COMMUNICATION: By initialing here, I hereby authorize NHDES to communicate all matters relative to this application electronically. | | |
| **SECTION 5 - AUTHORIZED AGENT INFORMATION (Env Wt 311.04(c))**<br>☐ N/A | | |
| LAST NAME, FIRST NAME, M.I.: Caitlin Banaszak | | |
| COMPANY NAME: Horizons Engineering | | |
| MAILING ADDRESS: 176 Newport Road | | |
| TOWN/CITY: New London | STATE: NH | ZIP CODE: 03257 |
| EMAIL ADDRESS: | | |
| FAX: | PHONE: 814-907-1406 | |
| ELECTRONIC COMMUNICATION: By initialing here, I hereby authorize NHDES to communicate all matters relative to this application electronically. CB | | |
| **SECTION 6 - PROPERTY OWNER INFORMATION (IF DIFFERENT THAN APPLICANT) (Env-Wt 311.04(b))**<br>If the owner is a trust or a company, then complete with the trust or company information.<br>☒ 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):
The site was assessed for jurisdictional wetlands on December 13, 2024. No wetlands were found outside of Lake Winnipesaukee. All Env-Wt 515 rules and application criteria have been met to our knowledge.

**SECTION 8 - AVOIDANCE AND MINIMIZATION**

Impacts within wetland jurisdiction must be avoided to the maximum extent practicable (En 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 shee . 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 (En 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 ( TF; 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 (PERM.) impacts are impacts that will remain after the project is complete (e.g., changes in grade or surface materials).

Temporary (TEMP.) impacts are impacts not intended to remain (and will be restored to pre-construction conditions after the project is completed.

| JURISDICTIONAL AREA | | PERM. SF | PERM. LF | PERM. ATF | TEMP. SF | TEMP. LF | TEMP. ATF |
|---|---|---|---|---|---|---|---|
| Wetlands | Forested Wetland | | | ☐ | | | ☐ |
| | Scrub-shrub Wetland | | | ☐ | | | ☐ |
| | Emergent Wetland | | | ☐ | | | ☐ |
| | Wet Meadow | | | ☐ | | | ☐ |
| | Vernal Pool | | | ☐ | | | ☐ |
| | Designated Prime Wetland | | | ☐ | | | ☐ |
| | Duly-established 100-foot Prime Wetland Buffer | | | ☐ | | | ☐ |
| Surface | Intermittent / Ephemeral Stream | | | ☐ | | | ☐ |
| | Perennial Stream or River | | | ☐ | | | ☐ |
| | Lake / Pond | 477 | | ☐ | 310 | | ☐ |
| | Docking - Lake / Pond | | | ☐ | | | ☐ |
| | Docking - River | | | ☐ | | | ☐ |
| Banks | Bank - Intermittent Stream | | | ☐ | | | ☐ |
| | Bank - Perennial Stream / River | | | ☐ | | | ☐ |
| | Bank / Shoreline - Lake / Pond | 487 | | ☐ | | | ☐ |
| Tidal | Tidal Waters | | | ☐ | | | ☐ |
| | Tidal Marsh | | | ☐ | | | ☐ |
| | Sand Dune | | | ☐ | | | ☐ |
| | Undeveloped Tidal Buffer Zone (TBZ) | | | ☐ | | | ☐ |
| | Previously-developed TBZ | | | ☐ | | | ☐ |
| | Docking - Tidal Water | | | ☐ | | | ☐ |
| **TOTAL** | | 964 | | | 310 | | |

**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): 1274 | SF | × $0.40 = | $ 509.6 |
| Seasonal docking structure: | SF | × $2.00 = | $ |
| Permanent docking structure: | SF | × $4.00 = | $ |
| Projects proposing shoreline structures (including docks) add $400 = | | | $ |
| Total = | | | $ |
| *The application fee for minor or major impact is the above calculated total or $400, whichever is greater =* | | | $ 509.6 |

| SECTION 13 - PROJECT CLASSIFICATION (Env-Wt 306.05)<br>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: CB | To the best of the signer's knowledge and belief, all required notifications have been provided. |
| Initials: CB | 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: CB | The signer understands that:<br>• The submission of false, incomplete, or misleading information constitutes grounds for NHDES to:<br>1. Deny the application.<br>2. Revoke any approval that is granted based on the information.<br>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. |
| Initials: CB | 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): Jeanine P Clark | PRINT NAME LEGIBLY: Jeanine P Clark | DATE: 1/9/2025 |
| SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER): | PRINT NAME LEGIBLY: | DATE: |
| SIGNATURE (AGENT, IF APPLICABLE): Caitlin Banaszak | PRINT NAME LEGIBLY: Caitlin Banaszak | DATE: 12-19-24 |

| 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: Jennifer M Cutter | PRINT NAME LEGIBLY: Jennifer Cutter |
| TOWN/CITY: Tuftonboro | DATE: 1/21/25 |

Tuftonboro NEW HAMPSHIRE



CAI Technologies

October 29, 2023

Tuftonboro, NH

1 inch = 137 Feet

0 137 274 411

www.cai-tech.com


Data shown on this map is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this map.

## USGS 7.5 Minute Topographic Map


**Legend**

- State
- County
- City/Town

Map Scale

1: 5,000

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Map Generated: 9/9/2024

**Notes**

# New Hampshire Natural Heritage Bureau
## NHB DataCheck Results Letter

**To:** Caitlin Banaszak, Horizons Engineering
176 Newport Rd
Suite 8
New London, NH 03257



**From:** NH Natural Heritage Bureau
**Date:** 9/17/2024 (valid until 9/17/2025)
**Re:** Review by NH Natural Heritage Bureau of request submitted 9/9/2024
**Permits:** NHDES - Shoreland Standard Permit, NHDES - Standard Dredge & Fill - Major, NHDES - Standard Dredge & Fill - Minimum; or Expedited, NHDES - Standard Dredge & Fill - Minor

**NHB ID:** **NHB24-2769** **Applicant:** Caitlin Banaszak

**Location:** Tuftonboro
97 Chase Point Road

**Project Description:** The client would like to put a boathouse on the east side of the existing house, in Lake Winnipesauke.

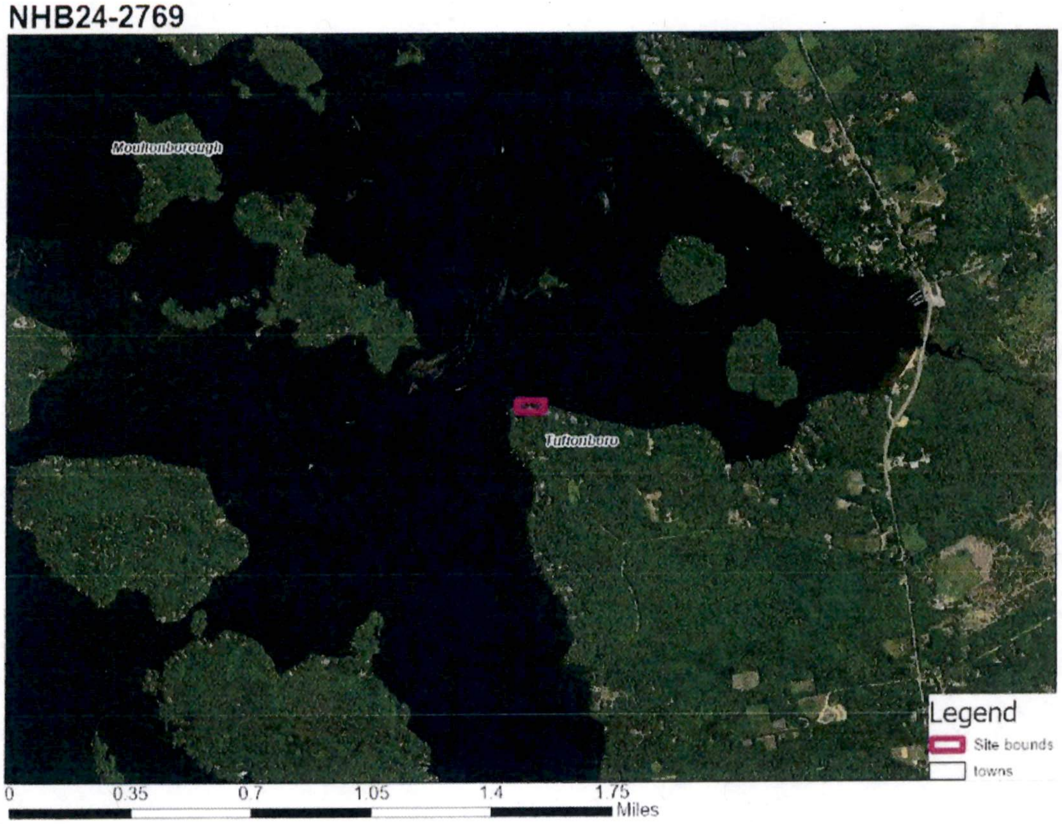
The NH Natural Heritage database has been checked by staff of the NH Natural Heritage Bureau and/or the NH Nongame and Endangered Species Program for records of rare species and exemplary natural communities near the area mapped below. The species considered include those listed as Threatened or Endangered 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 9/9/2024 9:37:00 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.

MAP OF PROJECT BOUNDARIES FOR: **NHB24-2769**

NHB24-2769




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

horizons Engineering

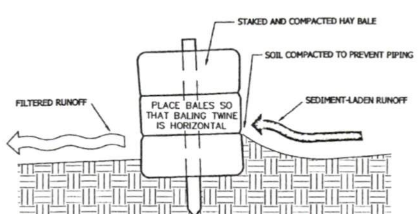
34 School Street • Littleton, NH 03561 • Phone 603-444-4111 • Fax 603-444-1343 • www.horizonsengineering.com

December 20, 2024

Town of Tuftonboro
Abutter List

List of Abutters

| Tax Map | Parcel | Name | Address |
|---|---|---|---|
| **Subject** <br> **26** | **2-3** | **Jeanine P Clark** | [redacted] |
| 26 | 2-2 | George A LeClair Rev Trust | [redacted] |
| 26 | 2-4 | Spindrift Trust<br>Vincent Engerer & Jea Clark<br>c/o Peter Miller, Mintz/Levin | [redacted] |
| Agent | | Horizons Engineering Inc | [redacted] |

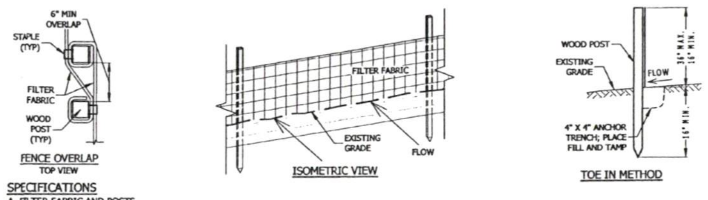



1. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY USE OF 1"x1" (MIN) WOODEN GRADE STAKES DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
4. MONITOR FREQUENTLY AND REPAIR OR REPLACE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE.

## HAY BALE BARRIER DETAIL

NO SCALE

TO BE USED THROUGHOUT THE SITE FOR TEMPORARY EROSION CONTROL.




SPECIFICATIONS

A. FILTER FABRIC AND POSTS

1. FILTER FABRIC SHALL BE A PERMEABLE SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN CERTIFIED TO CONTAIN ULTRAVIOLET RAY INHIBITORS/STABILIZERS WITH A MINIMUM 6 MONTHS USABLE CONSTRUCTION BETWEEN TEMPERATURES OF 0-120° F.
2. FILTER FABRIC SHALL BE PURCHASED IN A ROLL AND CUT TO THE LENGTH OF THE BARRIER.
3. POSTS FOR SILT FENCES SHALL BE 1-¼ INCH SQUARE HARDWOOD STAKES OR 60" LONG 1.33 LBS/FT STEEL POSTS WITH PROJECTIONS FOR FASTENING WIRE.
4. ALTERNATIVELY, A MANUFACTURED SYSTEM WITH INTEGRAL POSTS SPACED AT 6 FEET MAX MAY BE USED WITH SUPPORT POSTS SIZED AND ANCHORED PER MANUFACTURER'S INSTRUCTIONS.

B. INSTALLATION

1. FENCES SHALL BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE, FLARED UPHILL WITH J-HOOKS AT THE ENDS.
2. EXCAVATE A TRENCH A MINIMUM OF 4 INCHES WIDE AND 4 INCHES DEEP UPSLOPE OF POSTS AND BARRIER. EMBED A MINIMUM OF 8 INCHES OF FILTER FABRIC IN TRENCH AND BACKFILL OVER THE FILTER FABRIC. ALTERNATIVELY, INSTALL WITH SPECIFICALLY DESIGNED MECHANICAL EQUIPMENT.
3. IF UNABLE TO TRENCH, ANCHOR THE BASE OF THE FABRIC WITH ¾-INCH CRUSHED STONE, MINIMUM 8 INCHES THICK. FILTER FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE EXISTING GRADE.
4. PLACE POSTS DOWNSLOPE OF THE FABRIC SPACED 6 FEET APART MAX. DO NOT STAPLE OR NAIL TO TREES.
5. JOIN SECTIONS BY OVERLAPPING FABRIC (MIN 6 INCHES, 24 INCHES PREFERRED), FOLD AND STAPLE TO A SUPPORT POST. FOR METAL POSTS, WIRE-TIE FABRIC DIRECTLY TO THE POSTS WITH THREE DIAGONAL TIES.

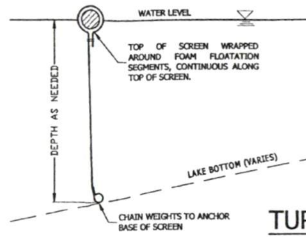
C. MAINTENANCE

1. THE USEFUL LIFE OF SILT FENCE IS ONE SEASON. REPLACE PERIODICALLY AS REQUIRED TO MAINTAIN EFFECTIVENESS ON PROJECTS.
2. INSPECT AND MAINTAIN IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
3. AT A MINIMUM, REMOVE SEDIMENT WHEN DEPOSITION ACCUMULATES TO HALF THE HEIGHT OF THE FENCE AND REMOVE TO A LOCATION NOT UPSLOPE OF SILT FENCE.
4. REPAIR SILT FENCE IMMEDIATELY IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION DOWNSLOPE. REPLACE WITH A TEMPORARY CHECK DAM IF UNDERCUTTING OR IMPOUNDING OF LARGE VOLUMES OF WATER OCCURS.
5. EXTEND SILT FENCE UPHILL OR REPLACE WITH TEMPORARY DIVERSIONS OR SEDIMENT TRAPS IF THERE IS EVIDENCE OF END FLOW.
6. REPLACE IMMEDIATELY IF DECOMPOSITION OR INEFFECTIVENESS OCCURS PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND IS STILL REQUIRED.
7. SEDIMENT DEPOSITS TO REMAIN AFTER REMOVAL SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
8. REMOVE SILT FENCE ONCE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.

## SILT FENCE DETAIL

NOT TO SCALE

INSTALL AROUND STOCKPILED MATERIALS AND THROUGHOUT THE SITE USING BEST MANAGEMENT PRACTICES




TYPE-1 SILT BARRIER DESIGN SPECIFICATIONS

1. FABRIC SHALL BE STANDARD DOT 18 OZ VINYL SILT BARRIER.
2. BARRIER SHALL BE HIGH VISIBILITY SAFETY YELLOW.
3. FLOTATION SIZE SHALL BE DEPENDENT ON SKIRT DEPTH, AT A MINIMUM 6"Ø MARINE GRADE CLOSED CELL POLYETHYLENE FOAM.
4. THE BASE FABRIC SHALL BE 325X300 LBS. TENSILE ASTM AND COATED GALVANIZED 3/16" STEEL CHAIN WITH 3,000 LB. BREAK STRENGTH.
5. THE SKIRT SHALL BE BALLASTED TO HANG VERTICAL IN THE WATER BY MINIMUM 3/16" CHAIN WEIGHING 0.41 LBS PER FOOT.
6. CONNECT SECTIONS BY OVERLAPPED REINFORCED GROMMETS WITH CHAINS SHACKLED TO ONE ANOTHER.
7. SECTION ENDS SHALL BE DUAL SEAMED, WITH BOLT-ROPE REINFORCEMENT (MIN 1/4" NYLON ROPE).

## TURBIDITY SCREEN DETAIL

NO SCALE


PLAN VIEW

NO SCALE

SECTION VIEW

NO SCALE

1. EXTEND PERIMETER SEDIMENT BARRIERS UPSLOPE AS NEEDED TO PREVENT DREDGING WATER FROM BYPASSING THE SEDIMENT BARRIERS.
2. DEWATERING IS TO TAKE PLACE VIA PERCOLATION INTO THE GROUND. THE MINIMUM SETTLING TIME FOR THE DREDGED MATERIALS SHALL BE 12 HOURS.
3. DEWATERED MATERIALS ARE TO BE DISPOSED OF PROPERLY IN AN AREA OUTSIDE OF THE JURISDICTION OF THE NHDES WETLANDS BUREAU. NON-WOVEN GEOTEXTILE SHALL BE CLEANED EVERY DAY AFTER DEWATERED MATERIALS ARE REMOVED TO ENSURE PERCOLATION OCCURS.

## DEWATERING BASIN DETAIL

NO SCALE

## CONSTRUCTION SEQUENCING AND EROSION/SEDIMENT CONTROL

NHDES WETLANDS BUREAU REQUIRES THAT THE FOLLOWING STEPS BE TAKEN IN ORDER TO MINIMIZE THE EROSION OF SOIL FROM WITHIN THE LIMITS OF WORK. THESE MEASURES ARE INTEGRAL TO MINIMIZING THE IMPACT TO THE WETLANDS AND SURFACE WATER QUALITY. FAILURE TO FOLLOW THESE MEASURES CAN LEAD TO PENALTY AND FINE.

A. MAINTAIN A COPY OF THE PLAN ON-SITE AT ALL TIMES.
B. DETERMINE AND ASSIGN RESPONSIBILITY TO INDIVIDUALS FOR EACH ASPECT OF THE EROSION CONTROL MEASURES: INSTALLATION, MAINTENANCE AND RECORD KEEPING.
C. COORDINATE SCHEDULING OF INSTALLATION AND MAINTENANCE OF THE EROSION CONTROL MEASURES WITH THE SITE WORK CONSTRUCTION SEQUENCING:

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCE, TURBIDITY SCREEN AND TEMPORARY COFFERDAM) PRIOR TO ANY ACTIVITY THAT WILL INFLUENCE OR EFFECT THE STABILITY OF BANK OR LAKE BOTTOM AREAS. PRIOR TO ANY CLEARING OR EXCAVATION, INSTALL CONSTRUCTION FENCE AS SHOWN IN SITE PLAN. PRIOR TO EXCAVATION FOR THE FOUNDATION OF THE BOATHOUSE, INSTALL TEMPORARY COFFERDAM AS SHOWN ON SITE PLAN. PRIOR TO EXCAVATION OF LAKEBED FOR CHANNEL TO THE BOATHOUSE, INSTALL TURBIDITY SCREEN AS SHOWN ON SITE PLAN.
3. CLEAR AREAS ONLY AS NEEDED TO MEET THE REQUIREMENTS OF THE SPECIFIC CONSTRUCTION TASK TO BE COMPLETED.
4. EXCAVATED AND DREDGED MATERIALS (ONCE DEWATERED) ARE TO BE DISPOSED OF IN AN AREA OUTSIDE OF THE BUREAU'S JURISDICTION.
5. WORK WITHIN SURFACE WATERS SHALL BE DONE "IN THE DRY" EITHER DURING PERIODS OF LOW WATER OR BEHIND TEMPORARY COFFERDAM.
6. ALL WORK SHALL BE PREFORMED IN A WORMANLIKE MANNER BY SKILLED CRAFTSMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE LIMITS OF THE PROPOSED WORK, SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THIS WORK.
7. BOATHOUSE SITEWORK CONSTRUCTION SEQUENCING:
   A. INSTALL SILT FENCE BETWEEN THE SHORELINE AND THE WORK AREA TO ENSURE THAT SEDIMENT DOES ENTER WATERBODY DURING TREE REMOVAL.
   B. REMOVE TREES SHOWN AS "TO BE REMOVED" ON THIS PLAN. VEGETATION IN AREAS NOT SHOWN AS TO BE IMPACTED SHOULD BE PRESERVED AS MUCH AS POSSIBLE.
   C. CONSTRUCT TEMPORARY COFFERDAM OF SAND BAGS, SHEET PILES OR "PORTADAM" EQUIVALENT IN ACCORDANCE WITH ENV-WT 303.04(L) AND ENV-WT 304.15. SAND BAG COFFERDAM SHALL BE DESIGNED AND INSTALLED PER LATEST EDITION OF NHDOT "BEST MANAGEMENT PRACTICES FOR ROUTINE ROADWAY MAINTENANCE ACTIVITIES IN NEW HAMPSHIRE"; "PORTADAM" EQUIVALENT TO BE INSTALLED AND MAINTAINED PER MANUFACTURER'S SPECIFICATION. CARE SHOULD BE TAKEN TO PLACE TEMPORARY COFFERDAM LAKEWARD ONLY SO FAR AS NECESSARY TO COMPLETE CONSTRUCTION IN THE AREA PROPOSED FOR THE BOATHOUSE FOUNDATION.
   D. EXCAVATE FOR AND CONSTRUCT BOATHOUSE FOUNDATION. RE-SEED ANY DISTURBED AREAS WITH GRASS MIX AS SPECIFIED IN SITEWORK SPECIFICATIONS NOTE.
   E. ONCE FOUNDATION HAS CURED AND SURROUNDING DISTURBED AREAS ARE STABILIZED, REMOVE TEMPORARY COFFERDAM.
   F. INSTALL TURBIDITY SCREEN AS SHOWN ON PLAN AND DETAIL.
   G. EXCAVATE LAKEBED CHANNEL TO BOATHOUSE.
   H. REMOVE TURBIDIY SCREEN ONCE LAKEBED AREA HAS STABILIZED.
   I. FRAME BOATHOUSE AND DECKING.
   J. REVEGETATE ANY AREAS SHOWING SIGNS OF INSTABILITY AS NOTED IN WITHIN SITEWORK SPECIFICATIONS.
8. ON A DAILY BASIS AND FOR THE DURATION OF THE SITE WORK CONSTRUCTION, MAINTAIN ALL SEDIMENT AND EROSION CONTROL MEASURES AS FOLLOWS:
   A. INSTALL AS NEEDED AND INSPECT TURBIDITY SCREEN, SILT FENCE AND CONSTRUCTION FENCE.
   B. TURBIDITY SCREEN, SILT FENCE AND CONSTRUCTION FENCE SHALL BE REPAIRED OR REPLACED AND KEPT CLEAR OF SEDIMENT UNTIL CONSTRUCTION IS COMPLETED.
   C. ALL OTHER DISTURBED AREAS SHALL HAVE A MINIMUM OF 4" COMPACTED DEPTH OF LOAM SPREAD PRIOR TO SEEDING AND MULCHING.

## SITEWORK SPECIFICATIONS

### CLEARING AND GRUBBING

ALL AREAS WITHIN THE LIMITS OF WORK SHALL BE CLEARED OF ROOTS, ROCKS AND UNSUITABLE MATERIALS ONLY SO MUCH AS REQUIRED FOR PROPER PLACEMENT OF PROPOSED STABILIZATION METHODS.

### GEOTEXTILES

A. Woven geotextile shall have the following properties:
1. Puncture strength (ASTM D4833): 145 lbs. minimum
2. Grab tensile strength (ASTM D4632): 315 lbs. minimum
3. Flow rate (ASTM D4491): 4 GPM/SF minimum
4. Weight (ASTM D5261): 6 oz/sy minimum

B. Non-woven geotextile shall have the following properties:
1. Puncture strength (ASTM D4833): 65 lbs. minimum
2. Grab tensile strength (ASTM D4632): 120 lbs. minimum
3. Flow rate (ASTM D4491): 135 GPM/SF minimum
4. Weight (ASTM D5261): 4 oz/sy minimum

### SEEDING AND MULCHING

1. DISTURBED AREAS AND AREAS LABELED TO BE RESEEDED SHALL HAVE THE TOP FOUR INCHES OF SOIL ROTOTILLED OR BROKEN UP WITH A SPADE, REMOVING STICKS, STONES, ROOTS AND OTHER DEBRIS.
2. LOAM, COMPOST AND PELLETIZED LIME SHALL BE MIXED INTO THE TOP 4 INCHES OF TOPSOIL. LOAM SHALL BE FRIABLE, FREE OF STUMPS, ROOTS AND OTHER UNSUITABLE MATERIAL ANS SHALL NOT BE SPREAD WHEN WET.
3, LOAMED AREAS SHALL BE SEEDED BY HAND OR BROADCAST WITH NHDOT SLOPE SEED TYPE 44 AT 80 LBS PER ACRE.
4. RAKE LIGHTLY TO COVER SEED WITH ¼" OF SOIL AND ROLL LIGHTLY.
5. MULCH WITH HAY OR STRAW AT A RATE OF 70 - 90 LB PER 1,000 SQUARE FEET. TACK MULCH IF PRONE TO WIND EROSION.
6. ANCHOR MULCH BY PUNCHING 2 INCHES INTO THE SOIL WITH A DULL WEIGHTED DISK OR BY USING NETTING ON STEEP SLOPES.
7. WATER GENTLY EVERY DAY OR TWO TO KEEP SOIL MOIST. LESS WATERING IS NEEDED ONCE GRASS IS 2 INCHES TALL

### LOAMING AND LOAM AMENDMENTS

1. ALL REMAINING DISTURBED AREAS SHALL HAVE FOUR INCHES OF HUMUS INSTALLED. HUMUS SHALL BE FRIABLE, FREE OF STUMPS, ROOTS AND OTHER UNSUITABLE MATERIAL AND SHALL NOT BE SPREAD WHEN WET.
2. ALL HUMUS-APPLIED AREAS SHALL BE FERTILIZED AND SEEDED BY HAND, BROADCAST OR HYDROSEED, WITH NHDOT SLOPE SEED TYPE 44 AT 80 LBS PER ACRE
3. MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING UNLESS HYDROSEEDING IS USED THAT INCLUDES A MULCH AND TACIFIER. HYDROSEEDING NOTWITHSTANDING, MULCH SHALL CONSIST OF DRY STRAW OR SEEDLESS HAY SPREAD BY HAND OR MACHINE AND SHALL EITHER CONTAIN A TACKIFIER OR HAVE A TACKIFIER APPLIED.

### FERTILIZER

1. NO FERTILIZER, EXCEPT PELLETIZED LIMESTONE, SHALL BE USED WITHIN 25 FEET OF THE REFERENCE LINE OF THE LAKE OR RIVER.
2. AREAS BETWEEN 25' AND 250' FROM THE REFERENCE LINE MAY BE FERTILIZED WITH A LOW PHOSPHATE, SLOW RELEASE NITROGEN FERTILIZER WITH NO MORE THAN 2% PHOSPHOROUS AND A NITROGEN COMPONENT WHICH IS AT LEAST 50% SLOW RELEASE NITROGEN COMPONENTS.
3. FERTILIZER SHALL NOT BE APPLIED UNTIL GRASS IS AT LEAST 2 INCHES TALL.

R.O.W. NOTE

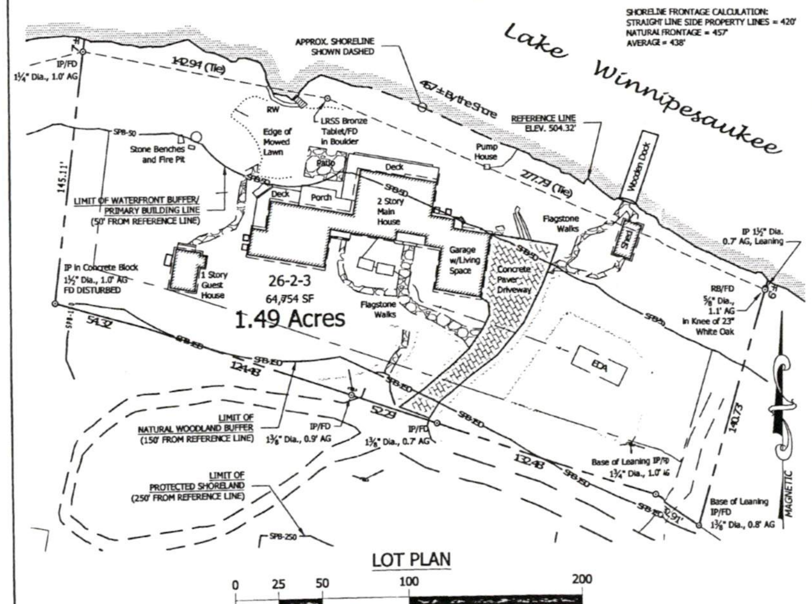
SURVEYED PARCEL HAS A "RIGHT-OF-WAY OVER THE PRIVATE WAY PRESENTLY IN USE WHICH CONNECTS THE HEREIN CONVEYED PARCEL WITH THE TOWN ROAD (AND EVENTUALLY WITH N.H. ROUTE 109), AS SHOWN (IN PART) ON..." REFERENCE 2, AND AS LABELED HEREON AS CHASE POINT ROAD. SEE CCRD 2584/304 (DATED 11/6/2006) AND CCRD 668/445 (DATED 7/22/1977).

ZONING

DISTRICT: LAKEFRONT RESIDENTIAL

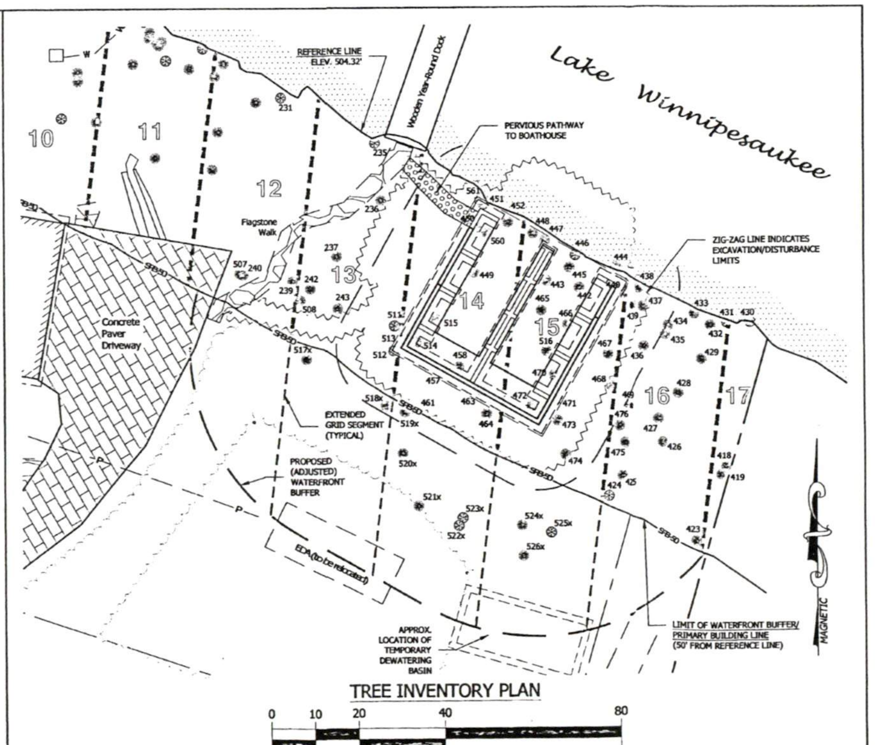
SETBACKS: FRONT: 50' SIDE: 20' REAR: 25'

SHORELINE FRONTAGE CALCULATION:
STRAIGHT LINE SIDE PROPERTY LINES = 420'
NATURAL FRONTAGE = 457'
AVERAGE = 438'




LOT PLAN

SCALE IN FEET




TREE INVENTORY PLAN

SCALE IN FEET

TREE INVENTORY COUNT

13

| No. | Dia. | Type | Points |
|---|---|---|---|
| 235 | 5",5" | BIF HM | 10 |
| 236 | 9" | HM | 10 |
| 237 | 19" | HM | 15 |
| 242 | 9" | HM | 10 |
| 243 | 15" | HM | 15 |
| 508 | 10" | HM | 10 |
| 511 | 5" | BE | (TBR) |
| 512 | 5" | BE | (TBR) |
| 517x | 26.5" | HM | 15 |
| 518x | 7" | HM | 10 |
| | | | 95 |

14

| No. | Dia. | Type | Points |
|---|---|---|---|
| 449 | 7" | HM | (TBR) |
| 450 | 15" | HM | (TBR) |
| 451 | 16" | HM | (TBR) |
| 452 | 10" | HM | (TBR) |
| 457 | 10" | HM | (TBR) |
| 458 | 20" | HM | (TBR) |
| 461 | 2" | HM | (TBR) |
| 463 | 3" | HM | (TBR) |
| 464 | 25" | HM | (TBR) |
| 513 | 1" | BE | (TBR) |
| 514 | 4" | BE | (TBR) |
| 515 | 2" | HM | (TBR) |
| 560 | 1" | HM | (TBR) |
| 561 | 2" | RM | (TBR) |
| 519x | 6.5" | HM | 10 |
| 520x | 1.6" | HM | 1 |
| 521x | 16" | HM | 15 |
| 522x | 3.5",3.5",3" | TRI BE | 11 |
| 523x | 3.5" | BE | 5 |
| | | | 42 |

15

| No. | Dia. | Type | Points |
|---|---|---|---|
| 440 | 10" | HM | (TBR) |
| 442 | 14" | HM | (TBR) |
| 443 | 11" | HM | (TBR) |
| 444 | 13",8" | BIF HM | (TBR) |
| 445 | 3" | HM | (TBR) |
| 446 | 7",7" | BIF RM | (TBR) |
| 447 | 7" | HM | (TBR) |
| 448 | 15" | HM | (TBR) |
| 465 | 7" | HM | (TBR) |
| 466 | 6" | HM | (TBR) |
| 467 | 11" | HM | (TBR) |
| 468 | 12" | HM | (TBR) |
| 470 | 3" | HM | (TBR) |
| 471 | 4" | HM | (TBR) |
| 472 | 2" | HM | (TBR) |
| 473 | 22" | HM | (TBR) |
| 474 | 18" | HM | (TBR) |
| 516 | 1.8" | HM | (TBR) |
| 524x | 20" | HM | 15 |
| 525x | 3.5" | BE | 5 |
| 526x | 3.5" | HM | 5 |
| | | | 25 |

16

| No. | Dia. | Type | Points |
|---|---|---|---|
| 423 | 4.5" | HM | 5 |
| 424 | 2.8",1.4 | BIF HM | 2 |
| 425 | 15.7" | HM | 15 |
| 426 | 2.5" | HM | 1 |
| 427 | 6.5" | HM | 10 |
| 428 | 2.5" | HM | 1 |
| 429 | 20.7" | HM | 15 |
| 431 | 16.5" | RM | 15 |
| 432 | 5.3" | HM | 5 |
| 433 | 4.4" | HM | 5 |
| 434 | 9.6" | HM | 10 |
| 435 | 16.2" | HM | 15 |
| 436 | 14.2" | HM | 15 |
| 437 | 1.8" | HM | (TBR) |
| 438 | 4.5" | HM | (TBR) |
| 439 | 10.1" | HM | (TBR) |
| 469 | 2.6" | HM | 1 |
| 475 | 3.8" | HM | 5 |
| 476 | 2.2" | HM | 1 |
| | | | 121 |

TREE KEY

AH ASH
BE BEECH
HM HEMLOCK
NS NORWAY SPRUCE
RM RED MAPLE
RS RED SPRUCE

BIF BIFURCATED
TRI TRIFURCATED

DIMENSIONS GIVEN ARE DIAMETER AT BREAST HEIGHT (DBH)

DATE OF PRINT
DECEMBER 2[illegible] 2024
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JEANINE P. CLARK

TAX MAP 26, BLOCK 2, LOT 3
97 CHASE POINT ROAD
TUFTONBORO, NEW HAMPSHIRE

WETLANDS PERMIT APPLICATION
PROPOSED WATERFRONT STRUCTURES

| NO. | DATE | REVISION DESCRIPTION | ENG | DWG |
|---|---|---|---|---|
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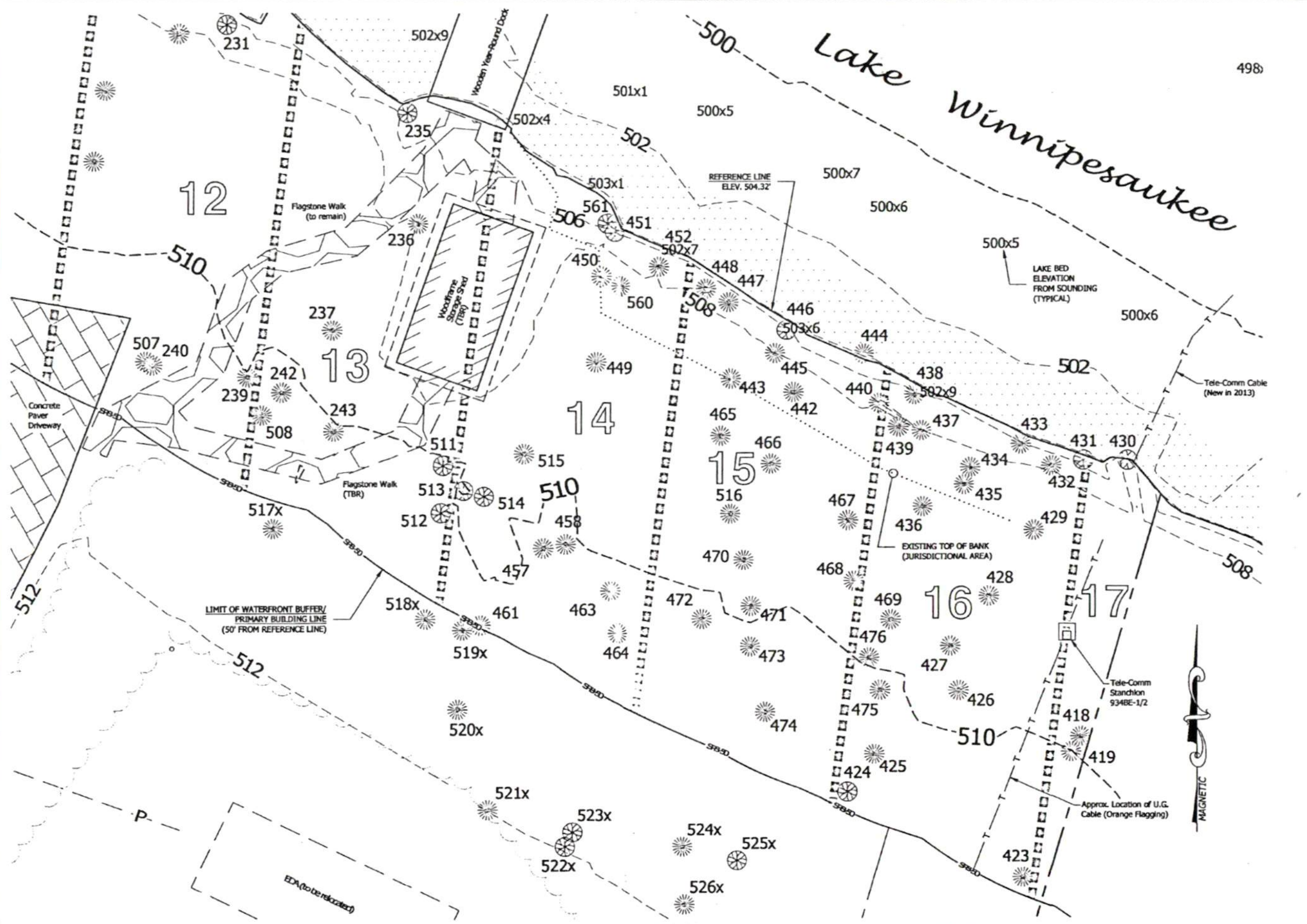
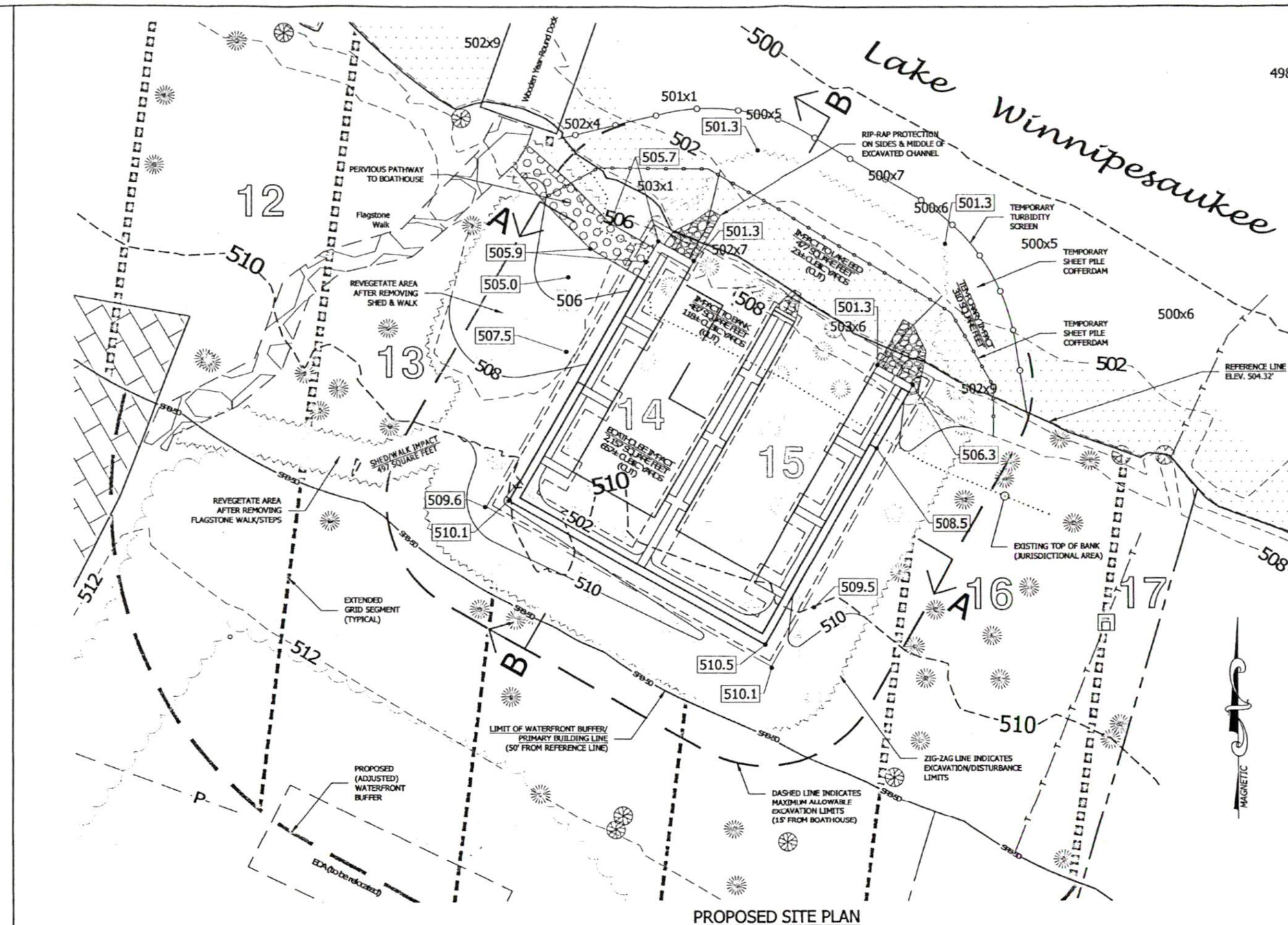
|---|---|
| DATE: 12/20/24 | PROJECT #: 230944 |
| ENGIN'D BY: DP | DRAWN BY: KA/DP |
| CHECK'D BY: NPO | ARCHIVE #: H-__ |
| SHEET 2 OF 2 | |

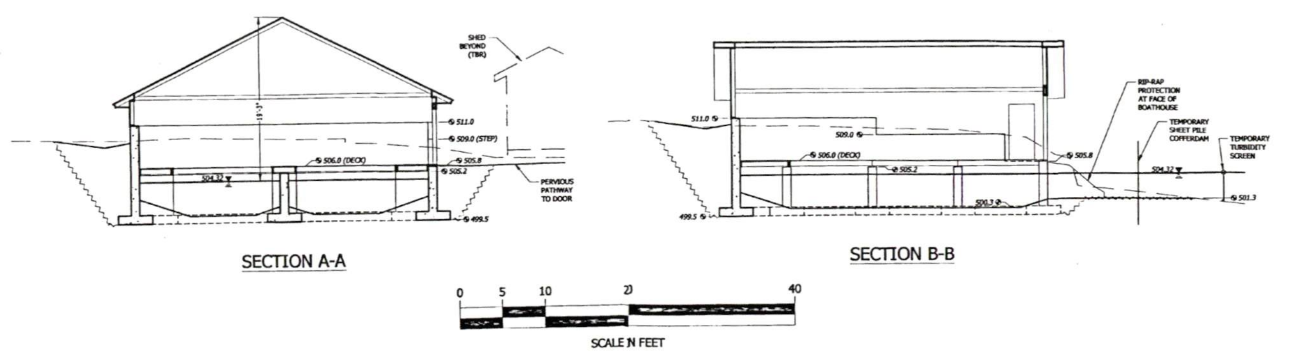


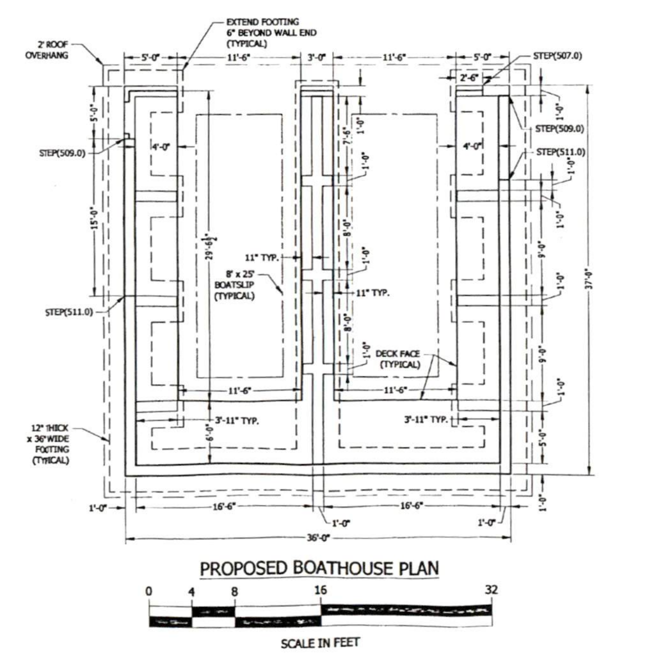

**FLOODPLAIN NOTE:**
PER THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP (FIRM) FOR CARROLL COUNTY, NEW HAMPSHIRE, COMMUNITY NUMBER 33003C, PANEL 0620D, EFFECTIVE DATE 3/19/2013, A PORTION OF THE SURVEYED PREMISES LIES WITHIN ZONE AE, DEFINED AS A SPECIAL FLOOD HAZARD AREA (SFHA) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD, WITH BASE FLOOD ELEVATION DETERMINED TO BE 506' (NAVD 1988).

**SWQPA NOTE:**
ENTIRE SURVEYED PREMISES LIES WITHIN 250 FEET OF THE REFERENCE LINE OF LAKE WINNIPESAUKEE (SURFACE ELEVATION 504.32' NGVD 1929) AND IS THEREFORE SUBJECT TO THE SHORELAND WATER QUALITY PROTECTION ACT (SWQPA), RSA 483.B.

VERTICAL DATUM: NGVD 1929




**LEGEND**

- 26-2-3 — TAX MAP NUMBER
- IP — IRON PIPE
- RB — STEEL REINFORCING BAR (REBAR)
- FD — FOUND
- Dia. — DIAMETER
- AG — ABOVE GRADE
- RW — RETAINING WALL
- EDA — EFFLUENT DISPOSAL AREA
- TBR — TO BE REMOVED
- GRAVEL ROAD OR DRIVE
- UTILITY POLE
- CONIFEROUS TREE
- DECIDUOUS TREE
- TREE LINE
- 500 / 502 — EXISTING CONTOUR LINES
- 510 — PROPOSED CONTOUR LINE
- 508.5 — PROPOSED SPOT GRADE
- TEMPORARY WETLANDS AREA IMPACT
- PERMANENT WETLANDS AREA IMPACT
- PERMANENT UPLAND AREA IMPACT
- TREE GRID SEGMENT
- 16 — TREE GRID DESIGNATION

**SUBJECT PARCEL INFORMATION:**

TAX MAP NUMBER: 26-2-3
OWNER OF RECORD: JEANINE P. CLARK
6 Cobb Ave., Manchester, MA 01944
SOURCE DEED: 11/06/2006 2584/304

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# JEANINE P. CLARK

TAX MAP 26, BLOCK 2, LOT 3
97 CHASE POINT ROAD
TUFTONBORO, NEW HAMPSHIRE

## WETLANDS PERMIT APPLICATION
## PROPOSED WATERFRONT STRUCTURES

| NO. | DATE | REVISION DESCRIPTION | ENG | DWG |
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SHEET 1 OF 2