

# **TOWN OF HUDSON**

## **Conservation Commission**

Carl Murphy, Chairman

David Morin, Selectmen Liaison



12 School Street • Hudson, New Hampshire 03051 • Tel: 603-886-6008 • Fax: 603-594-1142

#### CONSERVATION COMMISSION MEETING AGENDA April 14, 2025

The Town of Hudson Conservation Commission will hold its next meeting on **Monday, April 14**, **2025** at 7:00 p.m. in the Buxton Meeting Room, located in Town Hall 12 School Street, Hudson, NH.

- ✓ Call to Order
- ✓ Pledge of Allegiance
- ✓ Roll Call
- ✓ Alternates
- ✓ Public Input Related to Non-Agenda Items

#### I. New Business:

- a. Conditional Use Permit 134 Wason Road; Map 206, Lot 001-002
- b. Hudson Times: Propose a series of articles featuring town Conservation Land.

#### II. Old Business:

a. Gumpus Pond Bridge Update

#### III. Other Business:

- a. Tools to purchase for trail work
- b. Move date for April trail workday to April 19th from April 12th
- c. Create a list of goals for the Tiger Road property
- d. Rangers Town Forest; tree harvest landing-maintain as open space?

#### IV. Financial Status:

Current Report

#### V. Correspondence

a. none

#### VI. Approval of Minutes:

a. March 10, 2025 Meeting Minutes

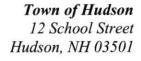
#### VII. Commissioner's Comments:

Next Regular Meeting: Monday, May 12, 2025 at 7:00 p.m.

Carl Murphy

Carl Murphy

Conservation Commission Chairman





# CONDITIONAL USE PERMIT APPLICATION: WETLAND CONSERVATION OVERLAY DISTRICT

Revised August 2024

Applications must be received at least 21 days prior to the Planning Board and Conservation Commission meetings at which the application will be heard. *The following information must be filed to each board.* 

#### **CONSERVATION COMMISSION:**

Ten (10) copies of the completed application, including the project narrative that demonstrates that the proposal meets the conditions of Article IX of the Zoning Ordinance.
 Ten (10) reduced size plan sets *folded* (sheet size: 11" X 17"). Plans require the stamp of a licensed land surveyor and a certified wetlands scientist. At a minimum, plans must show topography and a fifty (50) foot wide buffer around wetland and surface waters for residential uses, and a seventy-five (75) foot wide buffer around wetlands and surface waters for nonresidential uses.

\*Complete Application material should be delivered to the Engineering Department (603)886-6008.

#### **PLANNING BOARD:**

- 1. One (1) copy of the completed application, including the project narrative that demonstrates that the proposal meets the conditions of Article IX of the Zoning Ordinance.
- 2. One (1) full size plan set *folded* (sheet size: 22" x 34") and fifteen (15) reduced size plan sets *folded* (sheet size: 11" X 17"). Plans require the stamp of a licensed land surveyor and a certified wetlands scientist. At a minimum, plans must show topography and a fifty (50) foot wide buffer around wetland and surface waters for residential uses, and a seventy-five (75) foot wide buffer around wetlands and surface waters for nonresidential uses.
- 3. A list of direct abutters and indirect abutters, and two (2) sets of mailing labels for abutter notifications.
- 4. All of the above application materials, including plans, shall also be submitted in electronic form as a PDF.
- 5. Check should be made payable to the *Town of Hudson*, and submitted to the Planning Department.

\*Complete Application material & check should be delivered to the Planning Department (603)886-6008.

Revised plans and other application materials must be filed with the Planning Department no later than 10:00A.M., Tuesday ONE WEEK prior to the scheduled meeting, as applicable. The purpose of these materials is hardcopy distribution to Planning Board members, not review.

Any plan revisions that require staff review must be submitted no later than 10:00A.M., Tuesday TWO WEEKS prior to the scheduled Planning meeting. Depending on the complexity of changes, more time may be required for review. Please contact the Town Planner if you have any questions on this matter.

Note: Prior to filing an application, it is recommended to schedule an appointment with the Town Planner and Town Engineer.

#### **CONDITIONAL USE PERMIT APPLICATION**

Date of Application: 3/25/25	Tax Map #:	206 Lot #:1-2
Site Address: 134 Wason Road		
Name of Project: 134 Wason Road Site Plan		
Zoning District: "G" General	_ General CUP#: _	(For Town Use Only)
ZD A. A.C.		(For Town Use Only)
Z.B.A. Action:		
PROPERTY OWNER:	DEVELOPER:	nw)
Name: Marco & Cindy Plante	(same as own	<del></del>
Address: 134 Bush Hill Road		
Address: Hudson, NH 03051		
Telephone # (603) 235-8066		
Email: marco@mdpdevelipment.com		
PROJECT ENGINEER or SURVEYOR:	<b>CERTIFIED W</b>	ETLANDS SCIENTIST:
Name: Benchmark, LLC	TES Environmen	ntal Consultants, LLC
Address: 50 Nashua Rd, Suite 305	1494 Route	3A, Unit 1
Address: Londonderry, NH 03053	Bow, NH 0	3304
Telephone # (603) 437-5000	(603) 856-8	925
Email: nick@benchmark-engineering.com	tom@tesenv	iro.comcastbiz.net
PURPOSE OF PLAN:  To construct driveway for a (3) three unit condominium site p	lan	
(For Town	Use Only)	
Routing Date: Deadline Date:	Meet	ing Date:
I have no comments I have	comments (attach	to form)
Title:,	D	ate:
Department:		
Zoning: Engineering: Assessor: Police:	Fire: DP	W: Consultant:

	SITE DATA SHEET	
PLAN NAME: 134 Wason Ro	oad Site Plan	_
PLAN TYPE: (Site Plan, Subdivi	sion, or other)Site Plan	
LEGAL DESCRIPTION: M	APLOTLOT	_
DATE: 3/25/25	. <u>.                                   </u>	
Location by Street:	134 Wason Road	:===
Zoning:	"G" General	
Proposed Land Use:	Residential	
Existing Use:	Residential	
Total Site Area:	S.F.: 1,073,427 Acres: 26.64	
Total Wetland Area (SF):	362,000	
Permanent Wetland Impact Area	(SF):none	
Permanent Wetland Buffer Impac	et Area (SF): 1,000 sq. ft.	
Temporary Wetland Impact Area		
Temporary Wetland Buffer Impa	ct Area (SF):	
Flood Zone Reference:	Panel # 330011C-0657D	
Proposed Mitigation:		
none		
<u> </u>	(For Town Use Only)	
Data Sheets Checked By	(For Yown Ose Only)	

# WETLAND CONDITIONAL USE PERMIT CHECKLIST

Yes	No	NA	Questions/information Needed	HCC Comments
NAF	RRA	TIVE	REPORT	
			Existing Conditions	
ø	0	0	Has a DES Dredge and Fill Permit been issued for any part of this site? If yes, provide number, date, and description.	
0	ø	0	Is there evidence of altered wetlands or surface waters on site?	
ø	0	0	All prime and other wetlands in the vicinity, plus any wetlands/watersheds past the immediate vicinity affected by this project	
ø	0	0	Description of each wetland and associated values	
ø	0	0	Wetland mapping results - Including the flagging date and technique plus the name, company and qualifications of the wetland scientist	
ø	0	0	Was property surveyed? If yes, the date of survey. (Please attach the survey plan)	
			National Wetland Inventory	
\$	0	0	Vegetative cover types	
O	ø	0	Existence of vernal pools and associated habitat	
ø	0	0	Unique geological and cultural features	
ø	0	0	NH Natural Heritage inventory – For list of rare and endangered species, contact the NH Division of Forests and Lands (603)271-3623	
ø	0	0	Wildlife and fauna species, including estimated number and locations (large projects)	
				· · · · · · · · · · · · · · · · · · ·
ø	0	0	Public or private wells located within the vicinity	
0	ø	0	Monitoring well(s) located on site	
<u>ø</u>	0	0	Current land use and zoning district	
ø	0	0	Photos of existing area (please use color photos)	
			Proposed Project Description	
	0	0	Entire project and associated activities	
ø	0	0	Time table of project and anticipated phasing	
ø	0	0	Land use	
ø	0	0	Grading plan	
			Impact to Wetlands and/or Buffers	
0	0	b	Depending on size and proposed impacts, a report from a biologist may be appropriate	
ASS.	0	0	Removing, filling, dredging, or altering (Area square ft. and locations)	
0	ø	0	Intercepting or diverging of ground or surface water (Locations and size)	
0	ROW.	0	Change in run-off characteristics	
ø	0	0	Delineation of drainage area contributing to each discharge point	
			<u> </u>	

				1100 04
Yes	No	NA	Questions/information Needed	HCC COMMENTS
<u>k</u>	0	0	Estimated water quality characteristics of runoff at each point of discharge for both pre- and post-development	
Ø	0	0	Erosion control practices	
ø	0	0	If using rip-rap, attach documentation explaining why other erosion control methods are not feasible	
ø	0	0	How storm water runoff will be handled	
0	0	þ	If backyards or lots include a buffer area, buffer restriction wording shall be included in each deed (A physical marker may be requested to designate buffer boundaries at site)	
			Mitigation	
0	0	þ	Square footage of mitigation – wetland and upland areas	
0	0	B	Wetland or upland plants identified to replace any losses	
0	0	B	Restoration plan for planting and vegetation	
	_			
0	0	ø	Conservation easements, including location and aesthetic, wildlife and vegetative values	
0	0	ø	<ul> <li>If easement is on or added to the site(s), a copy of the legal document shall be given to the HCC (HCC conservation easement markers may also be required along the easement)</li> </ul>	
			<u>CONCEPTUAL SITE PLAN/DRAWING</u>	
<i>\$</i>	°	0	Locus map depicting project site and vicinity within approximately ½ mile and also on a larger scale	
ø.	o	0	All prime and other wetlands in the vicinity	
يۇ 	0	0	Wetland(s) impacted (identified as prime or other) and the wetland boundaries with 50' for residential, and 75' for nonresidential buffer areas highlighted in color	
ø	0	0	Assessor's sheet(s), lot(s), and property account number(s)	
ø	0	0	Existing and proposed structures	
ø	0	0	Square footage listed for temporary and permanent impact	
ø′	0	0	Erosion control plan (Suggested: Biodegradable silt fences so area won't be disturbed again and no hay to avoid invasive species)	
ø	0	o	Topographical map with contours	
ø	0	0	Storm water treatment swales and basins highlighted in color if in buffer area	
0	•	ø	Conservation and utility easements	-
ø	0	0	Grading plan	
0	0	6	Culvert, arch, bridge - sizes, material, etc.	
B	<u> </u>	0	Vegetative cover types	· · · · · · · · · · · · · · · · · · ·
<u>~</u>	•	<b>ø</b> /	Vernal pools	
<u> </u>	0	0	Existing and proposed stone walls, tree lines, and unusually large, rare or beautiful trees,	
p	J	,	and other notable site features	

#### QUESTIONS TO CONSIDER BEFORE SUBMITTING

- Will the increased discharge cause erosion and channelization?
- Is there potential for off-site flooding?
- Does the decreased infiltration in the drainage area cause vegetation stress due to reduced or increased ground water or surface water discharge into wetland?
- Will the nutrients in the runoff increase eutrophication potential in downstream water bodies?
- Do you own any adjacent parcels or easements for roadways across adjacent parcels which could be used for access to avoid a
  wetland crossing
- Does a wetland crossing occur where it will result in the least amount of alteration to a wetland?
- Is preservation of upland areas adjacent to the impacted wetland a priority?
- Can using an alternative crossing design such as a bridge, retaining wall, etc. decrease the width or area of wetland alteration?
- Does a proposed road crossing of a wetland exceed the minimum width acceptable to the Planning Board and can this be negotiated downwards?
- Have you established that no reasonable alternative access from a public way to an upland is possible?
- Can the parking lot spaces be decreased?
- Is the roadway designed in such a way that does not restrict the flow of water?
- Is additional information needed to assess water quality impacts due to runoff?
- Is there an increase in other pollutants (e.g., heavy metals, turbidity, coli form) from streets and parking lots?
- Is there a need to restrict or prohibit the use of pesticides and fertilizers?
- Is there a need to restrict the use of roadway salting?

#### CONDITIONAL USE PERMIT APPLICATION AUTHORIZATION

I hereby apply for Conditional Use Permit and acknowledge I will comply with all of the Ordinances of the Town of Hudson, New Hampshire State Laws, as well as any stipulations of the Planning Board, in development and construction of this project. I understand that if any of the items listed under the Conditional Use Permit specifications or application form are incomplete, the application will be considered rejected.

Pursuant to RSA 674:1-IV, the owner(s) by the filing of this application as indicated above, hereby given permission for any member of the Hudson Planning Board, the Hudson Conservation Commission, the Town Planner, the Town Engineer, and such agents or employees of the Town or other persons as the Planning Board may authorize, to enter upon the property which is the subject of this application at all reasonable times for the purpose of such examinations, surveys, tests and inspections as may be appropriate. The owner(s) release(s) any claim to or right he/she (they) may now or hereafter possess against any of the above individuals as a result of any examinations, surveys, tests and/or inspections conducted on his/her (their) property in connection with this applications.

Signature of Owner:	Jan Klist	Date: 3/28/25
Print Name of Owner:	Marco Panta	_

If other than an individual, indicate name of organization and its principal owner, partners, or corporate officers.

Signature of Developer: Marca Plante: 3/28/25

Print Name of Developer: Marca Plante

The developer/individual in charge must have control over all project work and be available to the Code Enforcement Officer/Building Inspector during the construction phase of the project. The individual in charge of the project must notify the Code Enforcement Officer/Building Inspector within two (2) working days of any change.

SCHEDULE OF FEES
(Fee covers both Conservation Commission & Planning Board)

A.	REVIEW FEES:		
	Conditional Use Permit     \$100 Flat Fee		\$_100.00
	LEGAL FEE:		
	The applicant shall be charged review of any application plan s	attorney costs billed to the Town for the et documents.	ne Town's attorney
В.	POSTAGE:		
	Direct Abutters Applicant, by RSA 676:4.1.d @\$5.58	\$	
	Indirect Abutters (property @\$0.73 (or Current First		\$
		TOTAL	\$ <u></u>
		(For Town Use)	
AMO	UNT RECEIVED: \$	DATE RECEIVED:	
RECI	EIPT NO.:	RECEIVED BY:	

March 25, 2025

Hudson Conservation Commission 12 School Street Hudson, New Hampshire 03051

**RE:** Project Narrative

Conditional Use Permit

134 Wason Road Site Plan Marco & Cindy Plante (TAX MAP 206 LOT 1-2)

**Dear Commission Members:** 

The following Conditional Use Permit (CUP) application is for the parcel identified as Tax Map 206 Lot 1-2. The lot is 24.6 acres on the westerly side of Wason Road and is currently developed with a single home, driveway and associated utilities. This project proposes to add two (2) additional dwellings for a total of three (3) homes in condominium ownership.

Access to the three homes will be shared from the existing driveway off Wason Road. We are proposing an extension of this driveway ending with a private turn-around. A small portion of the proposed driveway extension is located within the Wetland Conservation District.

Several drainage improvements are proposed to mitigate runoff from the site including a treatment swale and infiltration pond.

All homes will be serviced by individual on site septic systems and wells.

#### **Existing Conditions**

Dredge & Fill Permit

This project has no wetland impacts and does not require a Dredge & Fill Permit. The lot has a previous Dredge & Fill permit # 2021-03368 for construction of the existing driveway.

Altered Wetlands

Based on site observation in February and April 2024 there are no evidence of altered wetlands.

Wetland Description & Values

There are no impacts to the wetland itself proposed. The request is to allow a driveway to 2 homes, over an existing access road, thru a portion of the buffer to on-site wetlands.

#### Existing Wetlands

There are no prime wetlands identified on this property.

Wetlands delineated on March 29 and April 7, 2021 and verified on December 14, 2024 by Thomas Sokoloski CWS #127 of TES Environmental Consultants. The wetlands were delineated according to the Corps of Engineers Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, version 2, January 2012, US Army Corps of Engineers.

#### **National Wetlands Inventory**

Vegetative cover: The wetlands in this area would be classified as Forested. No disturbance of the wetlands is proposed as the request is to allow a driveway within a wetland buffer area.

Vernal Pools: No vernal pools were identified in the vicinity of the CUP impacts.

Geologic / cultural features: No unique geologic or cultural features in the vicinity of the CUP impacts.

NH Natural Heritage Inventory: NHB24-1912 (attached) identified the Blanding's and Eastern Box Turtle.

Wells: No known public drinking water wells are near the site. Existing and proposed private well locations are shown on the attached plans.

Monitoring wells: none on site.

Current land use and zoning district: General (g) zone – Use: Residential

Photos: Attached

#### **Proposed Project Description**

Entire project and associated activities: This project proposes to add two (2) additional dwellings for a total of three (3) homes in condominium ownership. Project includes the extension of the existing driveway, drainage and utility lines for access to 2 additional homes with associated improvements.

*Timeline & Phasing:* Construction will begin in the Spring of 2025. The project will be built in three phases:

- (1) Build driveway with cul-de-sac and drainage improvements
- (2) & (3) Are for construction of the individual homes with associated driveways, lots grading, septics, wells.

Land Use: Residential

Grading Plan: See attached plan set Sheet #4.

#### Impacts to Wetlands and/or Buffers

200 sq.ft. of permanent buffer impacts for driveway pavement and gravel shoulders.

800 sq.ft. of impact for drainage swale and associated grading

1,000 st.ft. total impact

Runoff characteristics: Site runoff will be captured by a swale on the upslope side of the driveway. Run-off to this area is from the wooded slope area to the north, no characteristics of this runoff will change as it outside of the developed areas.

Drainage areas: Both existing and proposed drainage will continue to flow to the wetland.

Water quality: The driveway at the impact area is sloped from right to left and drains to the south towards proposed treatment swale #3.

Erosion control: Proposed methods include perimeter controls using silt fence or mulch berm and a stabilized construction entrance. Catch basins will have inlet sediment control devices. Details for these measures are shown on sheet #4 and #7.

Rip-Rap: Rip rap will be utilized as outlet protection at culvert outlets. All proposed rip-rap is outside of wetland buffers.

How stormwater runoff will be handled: We are proposing numerous drainage measures for this project. The driveway near the impact area is sloped from right to left and drains to the south towards proposed treatment swale #3. Other paved areas on site flow to the Infiltration Pond #1. These drainage improvements provide treatment, groundwater recharge and peak flow attenuation for the site runoff. Their locations are identified on sheet #4 of the plan set.

#### **Mitigation**

No mitigation is proposed for the buffer impact. All areas of disturbance outside of the driveway and gravel shoulder will be loamed and seeded for restoration.

No easements required.

#### Section 334-37. Conditional Use Permit Criteria

- 1. The proposed activity minimizes degradation of land situated within the District and offsets potential adverse impacts to functions and values of wetlands, surface waters, and vernal pools including but not limited to their capacity to:
  - (a) Support fish and wildlife;

The proposed development will not adversely impact fish and wildlife. The proposal is for three homes on 24 acres with large undeveloped portions of the site which will remain for habitat.

(b) Attenuate flooding;

The proposed driveway will have no impact on flooding.

(c) Supply and protect surface and groundwater resources;

The stormwater improvements are designed to attenuate flow, provide treatment and groundwater recharge.

(d) Remove sediments;

A pre treatment swale is proposed for Pond#1 and runoff to Treatment Swale #3 will flow across approximately 200 feet of green space before reaching the swale.

(e) Remove pollutants;

Stormwater treatment and pollutant removal will be provided by the proposed stormwater devices.

(f) Support wetland vegetation;

There is no impact to wetlands or wetland vegetation.

(g) Promote public health and safety; and

The proposed development will not adversely impact public health and safety. A turn around is proposed at the end of the driveway for fire apparatus to navigate the site. All requirements of the Police and Fire Departments will be satisfied as part of site plan approval.

(h) Moderate fluctuations in surface water levels.

The proposed drainage measures provide peak attenuation and the development will have no impact to surface water levels.

- 2. The proposed activity will have no significant negative environmental impact to abutting or downstream properties and/or hydrologically connected water and/or wetland resources, including:
  - (a) Increased potential for erosion, siltation, and turbidity of surface waters; Erosion and siltation control and BMP measures will be utilized.

(b) Loss of fish and wildlife habitat;

The proposed development will not adversely impact fish and wildlife. The proposed impact is located adjacent to the existing driveway.

(c) Loss of unique habitat having demonstrable natural, scientific, or educational value;

There will be no loss of unique habitats; the area is adjacent to the existing driveway.

(d) Loss or decrease of beneficial aquatic organisms and wetland plants and their habitat;

The proposed development will have no impacts to the wetlands or habitats.

(e) Increased danger of flooding and/or transport of pollutants; and

The proposed driveway will have no impact on flooding. The stormwater improvements are designed to remove pollutants and control flows from the development of the property.

(f) Destruction of the economic, aesthetic, recreational, and other public and private uses and values of the wetland to the community.

We have proposed many BMP's for this project and are also proposing proper drainage improvements to mitigate flows from site development. The proposed project will not adversely impact economic, aesthetic, recreational, or uses and values of the wetland to the community.

3. The proposed activity or use cannot practicably be located otherwise on the site to eliminate or reduce impact to the Wetland Conservation Overlay District.

The driveway extension is orientated to allow proper emergency vehicles access. The proposal is a level area of land and would be constructed over an existing access driveway to the developable area of the site. The driveway should also go in this location as it ensures there will be no conflicts with cars parked in the driveway in front of the existing home.

4. The proposed activity incorporates the use of Best Management Practices recommended by the New Hampshire Department of Environmental Services and/or other state agencies having jurisdiction.

Best Management Practices will be used during construction of the site and are outlined on the plan set including silt fence, mulch berms, inlet control, and a stabilized construction entrance. An

infiltration pond and treatment swale will collect and treat stormwater from the development.

5. All applicable federal and/or state permit(s) have been received for the proposed activity in accordance with New Hampshire Code of Administrative Rules, Part Env-Wt 100-800 and Section 404 of the Federal Clean Water Act, as amended.

All applicable federal and/or state permits will be obtained as part of the site plan process with the Planning Board.

6. Where applicable, proof of application to all required state and/or federal permits.

Not applicable.

7. Prior to making a decision on any Conditional Use Permit pursuant to the Wetland Conservation Overlay District, the Planning Board shall receive a written comment from the Conservation Commission. The Conservation Commission may recommend the Planning Board impose conditions of approval is deemed necessary to mitigate the potential for adverse effects of the proposed activity or use.

We would like to be scheduled for the next Conservation meeting.

We look forward to discussing this with the board at the next available meeting.

Sincerely,

Nicholax B. Foring

Nicholas Loring Benchmark LLC

x:\jobs\benchmark |lc\2200-2299\2253-marco 134 wason rd hudson\applications\03. conditional use permit\01. cup narrative.doc



NH Natural Heritage Bureau

Please note: maps and NHB record pages are confidential and shall be redacted from public documents.

To:

Joseph Maynard, Benchmark Engineering, Inc.

1F Commons Drive, Suite 39 Londonderry, NH 03053

jm@benchmark-engineering.com

From:

**NHB Review** 

NH Natural Heritage Bureau

Main Contact: Ashley Litwinenko - nhbreview@dncr.nh.gov

cc:

**NHFG Review** 

Date:

06/27/2024 (valid until 06/27/2025)

Re:

DataCheck Review by NH Natural Heritage Bureau and NH Fish & Game

Permits:

MUNICIPAL POR - HUDSON, NHDES - Alteration of Terrain Permit

NHB ID:

NHB24-1912

Town:

**HUDSON** 

Location:

134 WASON RD

Project Description: CONSTRUCT 2 NEW HOMES, DRIVEWAYS, DRAINAGE AND OTHER SITE IMPROVEMENTS

#### **Next Steps for Applicant:**

NHB's database has been searched for records of rare species and exemplary natural communities. Please carefully read the comments and consultation requirements below.

**NHB Comments:** 

No comments at this time.

**NHFG Comments:** 

Please refer to NHFG consultation requirements below.

#### **NHB Consultation**

If this NHB DataCheck letter includes records of rare plants and/or natural communities/systems, please contact NHB and provide any requested supplementary materials by emailing <a href="mailto:nhbreview@dncr.nh.gov">nhbreview@dncr.nh.gov</a>.

If this NHB DataCheck letter DOES NOT include any records of rare plants and/or natural communities/systems, no further consultation with NHB is required.

#### **NH Fish and Game Department Consultation**

If this NHB DataCheck letter DOES NOT include ANY wildlife species records, then, based on the information submitted, no further consultation with the NH Fish and Game Department pursuant to Fis 1004 is required.



NH Natural Heritage Bureau

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If this NHB DataCheck letter includes a record for a threatened (T) or endangered (E) wildlife species, consultation with the New Hampshire Fish and Game Department under Fis 1004 may be required. To review the Fis 1000 rules (effective February 3, 2022), please go to <a href="https://www.wildlife.nh.gov/wildlife-and-habitat/nongame-and-endangered-species/environmental-review">https://www.wildlife.nh.gov/wildlife-and-habitat/nongame-and-endangered-species/environmental-review</a>. All requests for consultation and submittals should be sent via email to <a href="https://www.wildlife.nh.gov">NHFGreview@wildlife.nh.gov</a> or can be sent by mail, and must include the NHB DataCheck results letter number and "Fis 1004 consultation request" in the subject line.

If the NHB DataCheck response letter does not include a threatened or endangered wildlife species but includes other wildlife species (e.g., Species of Special Concern), consultation under Fis 1004 is not required; however, some species are protected under other state laws or rules, so coordination with NH Fish & Game is highly recommended or may be required for certain permits. While some permitting processes are exempt from required consultation under Fis 1004 (e.g., statutory permit by notification, permit by rule, permit by notification, routine roadway registration, docking structure registration, or conditional authorization by rule), coordination with NH Fish & Game may still be required under the rules governing those specific permitting processes, and it is recommended you contact the applicable permitting agency. For projects not requiring consultation under Fis 1004, but where additional coordination with NH Fish and Game is requested, please email NHFGreview@wildlife.nh.gov, and include the NHB DataCheck results letter number and "review request" in the email subject line.

Contact NH Fish & Game at (603) 271-0467 with questions.



NH Natural Heritage Bureau

Please note: maps and NHB record pages are confidential and shall be redacted from public documents.

#### **NHB Database Records:**

The following record(s) have been documented in the vicinity of the proposed project. Please see the map and detailed information about the record(s) on the following pages.

Vertebrate species	State <sup>1</sup>	<b>Federal</b>	Notes
Blanding's Turtle (Emydoidea	E		Contact the NH Fish & Game Dept (see below).
blandingii)			
Eastern Box Turtle (Terrapene	E		Contact the NH Fish & Game Dept (see below).
carolina carolina)			

<sup>1</sup>Codes: "E" = Endangered, "T" = Threatened, "SC" = Special Concern, "--" = an exemplary natural community, or a rare species tracked by NH Natural Heritage that has not yet been added to the official state list.

An asterisk (\*) indicates that the most recent report for that occurrence was 20 or more years ago.

For all animal reviews, refer to 'IMPORTANT: NHFG Consultation' section above.

<u>Disclaimer</u>: NHB's database can only tell you of <u>known</u> occurrences that have been reported to NHFG/NHB. Known occurrences are based on information gathered by qualified biologists or members of the public, reported to our offices, and verified by NHB/NHFG.

However, many areas have never been surveyed, or have only been surveyed for certain species.

NHB recommends surveys to determine what species/natural communities are present onsite.



NH Natural Heritage Bureau

Please note: maps and NHB record pages are confidential and shall be redacted from public documents.

## NHB24-1912



NH Natural Heritage Bureau

Please note: maps and NHB record pages are confidential and shall be redacted from public documents.

NHB24-1912

EOCODE:

ARAAD04010\*609\*NH

#### New Hampshire Natural Heritage Bureau - Animal Record

#### Blanding's Turtle (Emydoidea blandingii)

**Legal Status** 

**Conservation Status** 

Federal: Not listed

State: **Listed Endangered** 

Global: Apparently secure but with cause for concern State: Critically imperiled due to rarity or vulnerability

**Description at this Location** 

Conservation Rank: Not ranked

Comments on Rank: --

Detailed Description: 2010: Area 12832: 1 adult observed.

General Area:

2010: Area 12832: Mixed forest.

General Comments: --

Management

Comments:

Location

Survey Site Name: Second Brook

Managed By:

County:

Hillsborough

Town(s): Hudson

Size:

1.9 acres

Elevation:

Precision:

Within (but not necessarily restricted to) the area indicated on the map.

Directions:

2010: Area 12832: Pelham Road, Hudson.

**Dates documented** 

First reported:

2010-07-17

Last reported:

2010-07-17

The New Hampshire Fish & Game Department has jurisdiction over rare wildlife in New Hampshire. Please contact them at 11 Hazen Drive, Concord, NH 03301 or at (603) 271-2461.

NH Natural Heritage Bureau

Please note: maps and NHB record pages are confidential and shall be redacted from public documents.

NHB24-1912

EOCODE:

ARAAD08012\*009\*NH

#### New Hampshire Natural Heritage Bureau - Animal Record

#### Eastern Box Turtle (Terrapene carolina carolina)

<u>Legal Status</u> <u>Conservation Status</u>

Federal: Not listed Global: Demonstrably widespread, abundant, and secure State: Listed Endangered State: Critically imperiled due to rarity or vulnerability

**Description at this Location** 

Conservation Rank: Not ranked

Comments on Rank: --

Detailed Description: 2021: Area 14741: 1 young adult female observed. Found near male that is being

monitored. Area 14744: 1 adult observed, sex unknown. Area 14745: 1 adult observed, sex unknown. 2017-2019: Turtle 7010: Radiotracked female. Turtle 7011: Radiotracked male. Turtle 7012: Radiotracked male. Turtle 7013: Radiotracked female. Turtle 7014: Radiotracked female. 2016: Adult male tracked via telemetry. Initial capture on 6/2. First recapture on 6/7. Second recapture on 6/30. Second adult male captured and tagged on 9/9. 2014: Adult female tracked via telemetry. Believed to have laid eggs

during telemetry survey, but no direct evidence.

General Area:

2021: Area 14744: Woods next to utility line right-of-way. Area 14745: Woods next to

utility line right-of-way. 2016: Powerline right-of-way with dense shrub cover.

Appalachian oak - pine forest on either side of right-of-way. 2014: Moving between

woods and adjacent powerline corridor.

General Comments:

Management

\_\_

Comments:

Location

Survey Site Name: Musquash Brook

Managed By:

County: Hillsborough Town(s): Hudson

Size: 45.2 acres

Elevation:

Precision: Within (but not necessarily restricted to) the area indicated on the map.

Directions: 2021: Area 14744: Next to utility right-of-way near Musquash Natural Area, Hudson.

**Dates documented** 

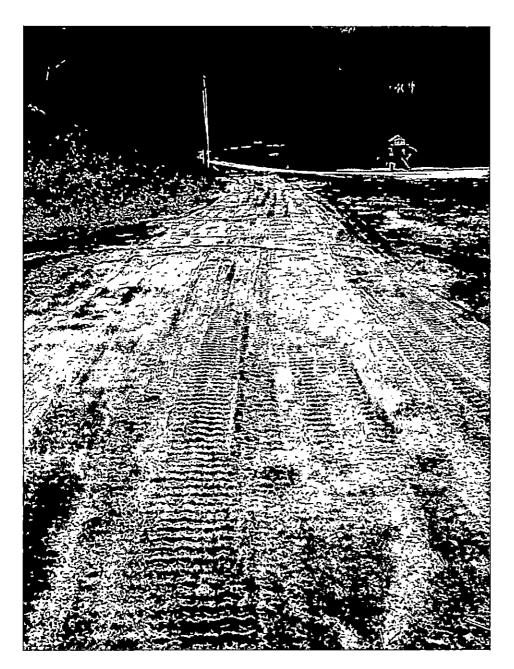
First reported: 2014-06-18 Last reported: 2021-09-30

NH Natural Heritage Bureau

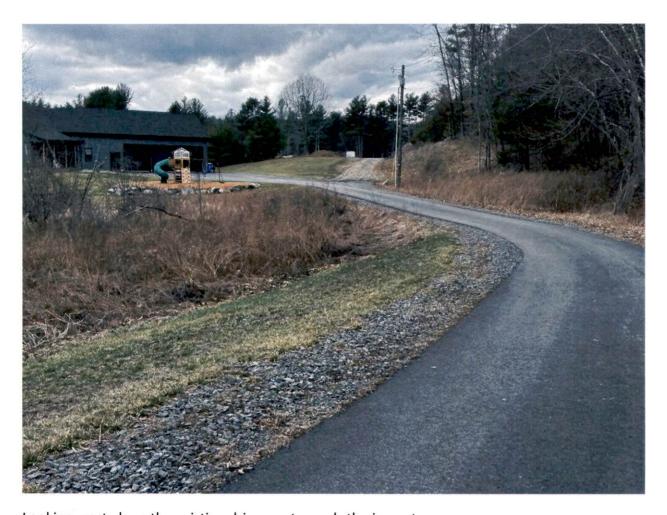
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NHB24-1912 EOCODE: ARAAD08012\*009\*NH

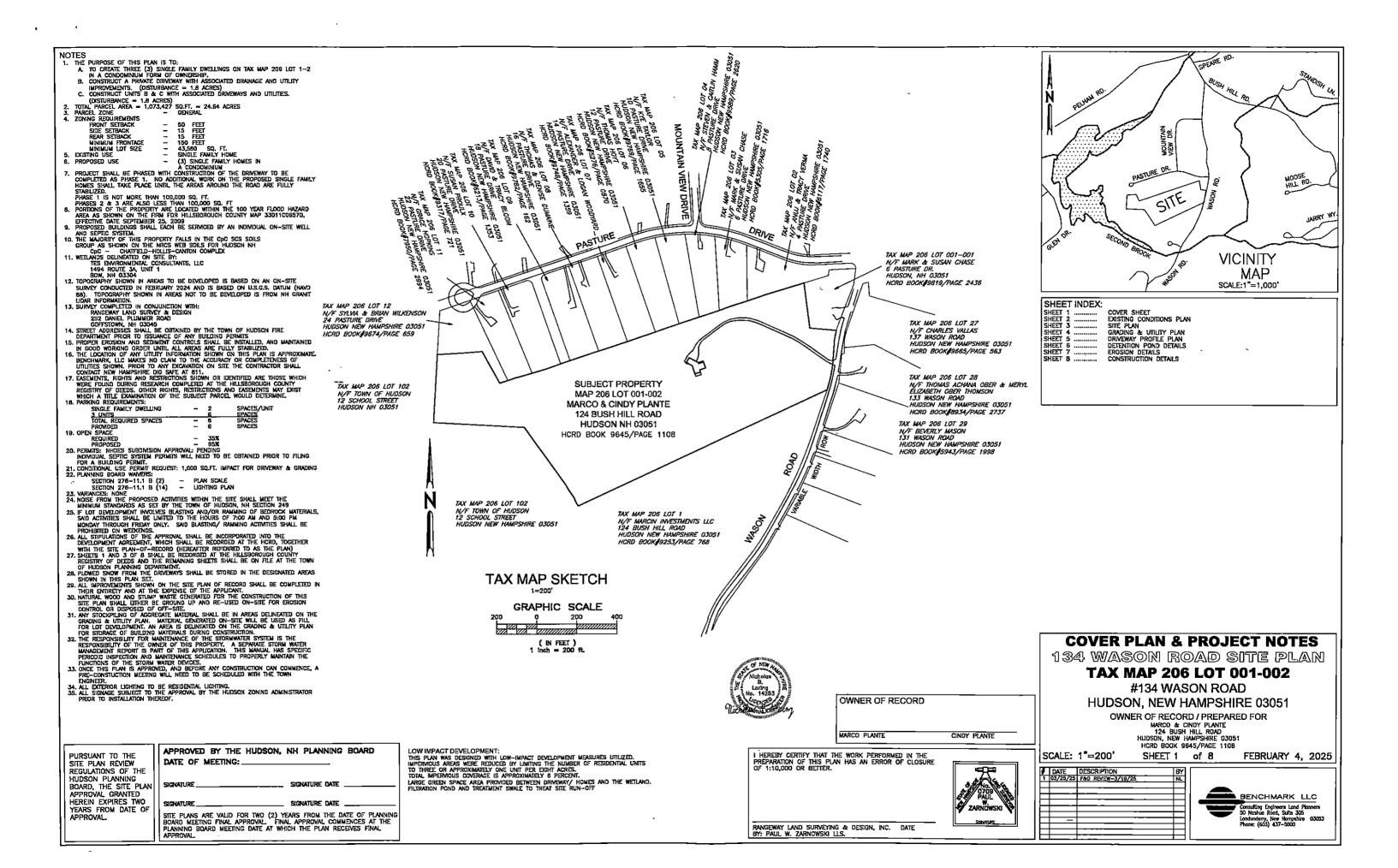
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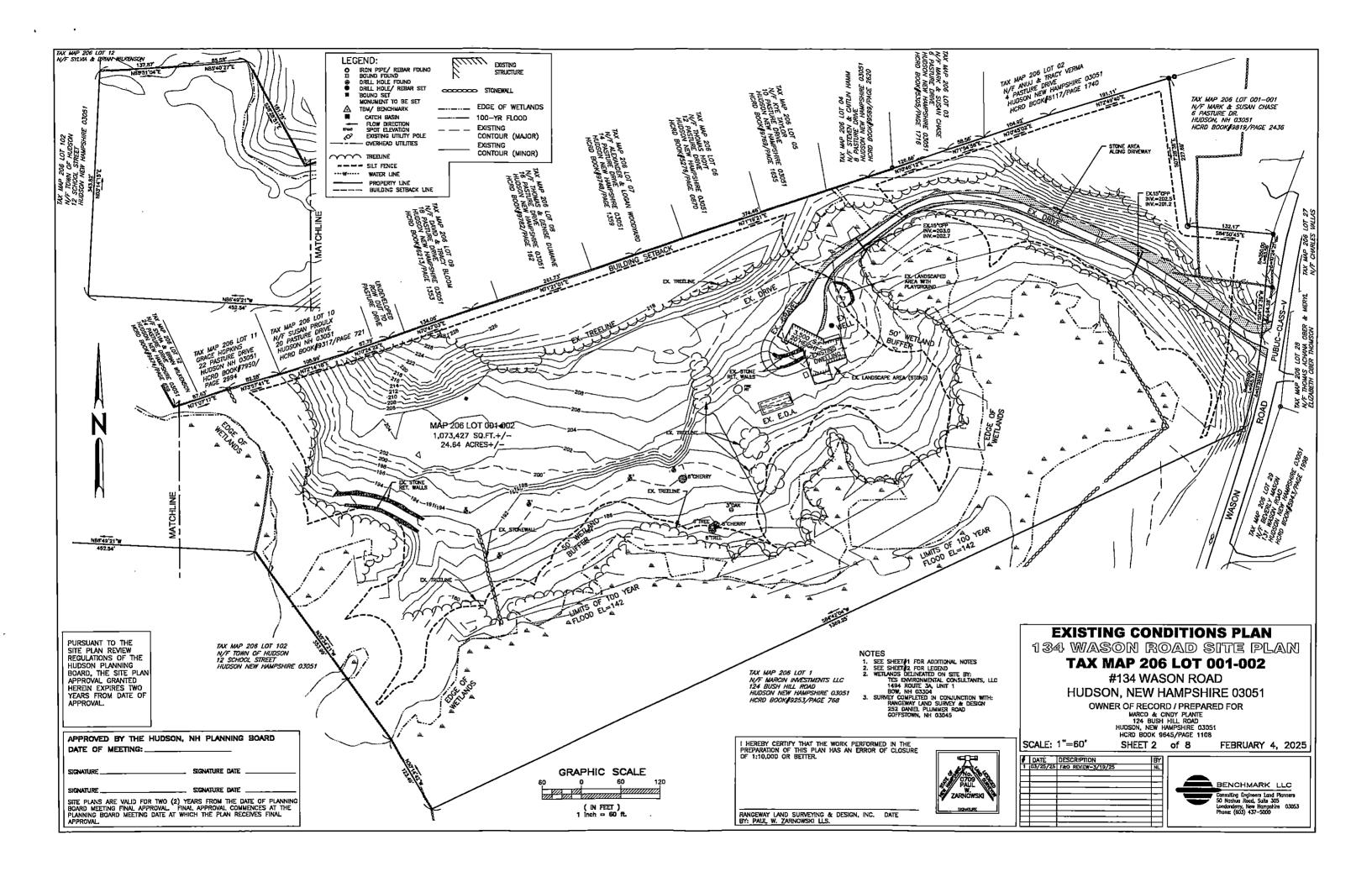


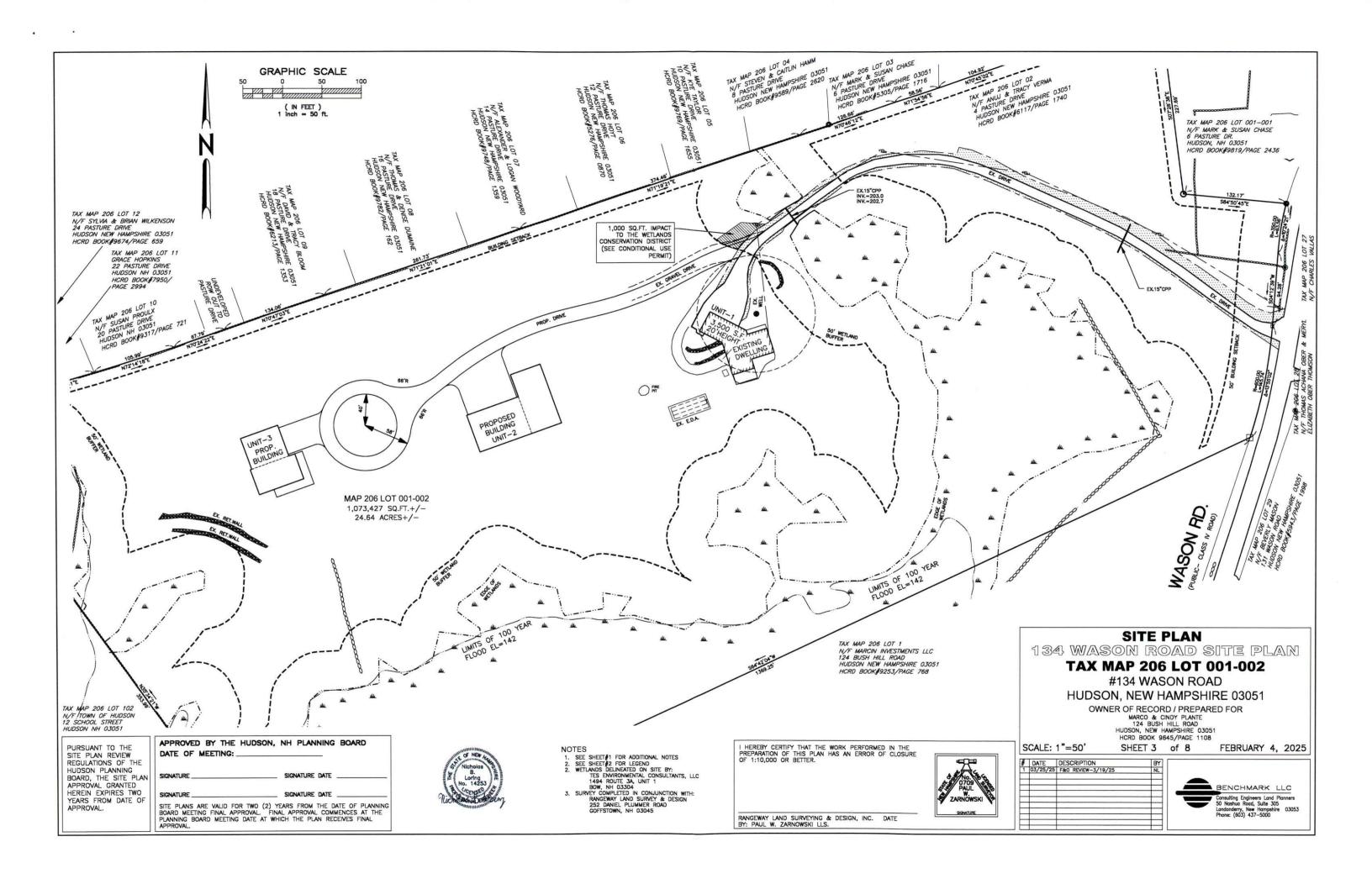
Looking east at the impact area

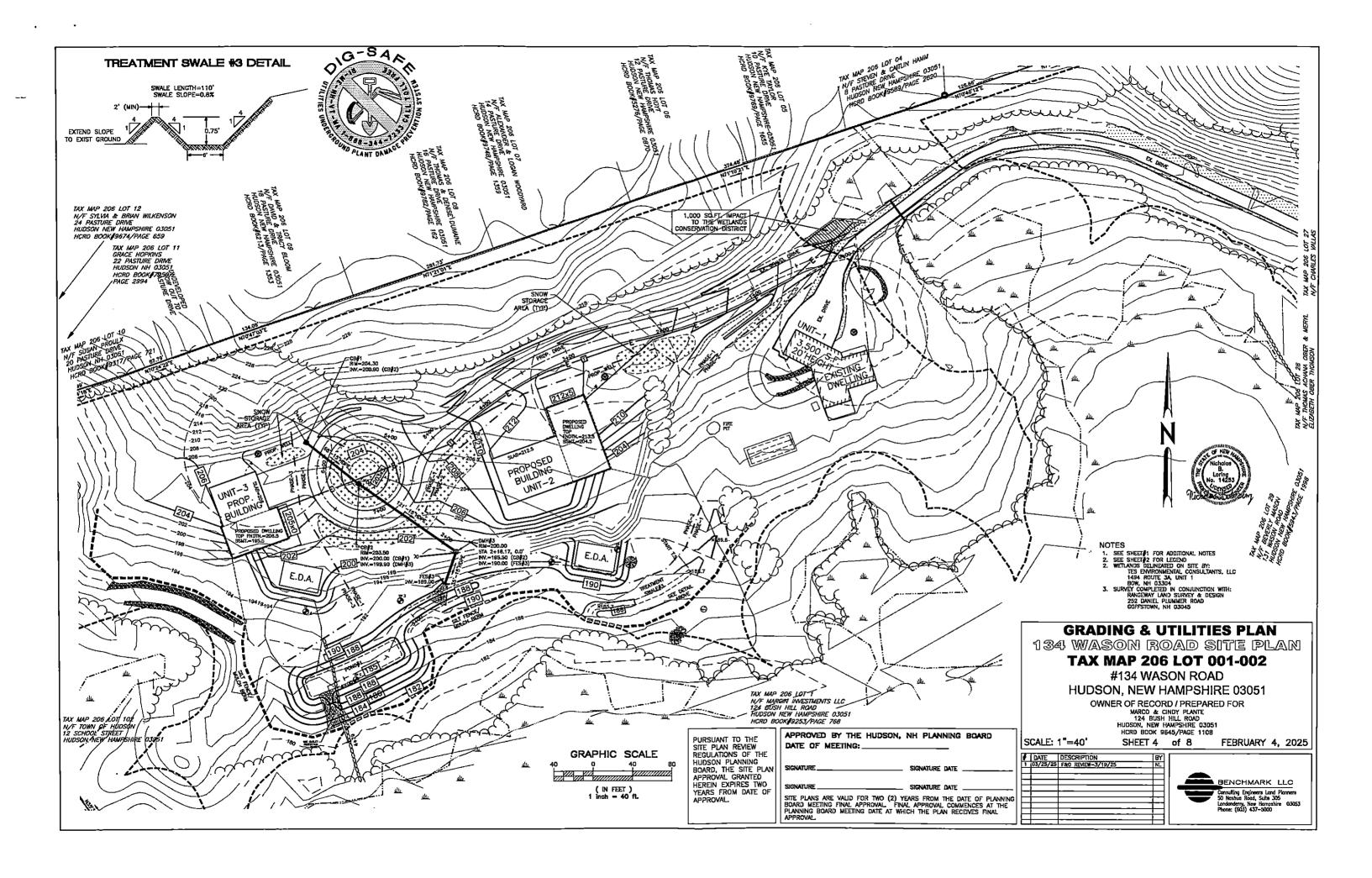


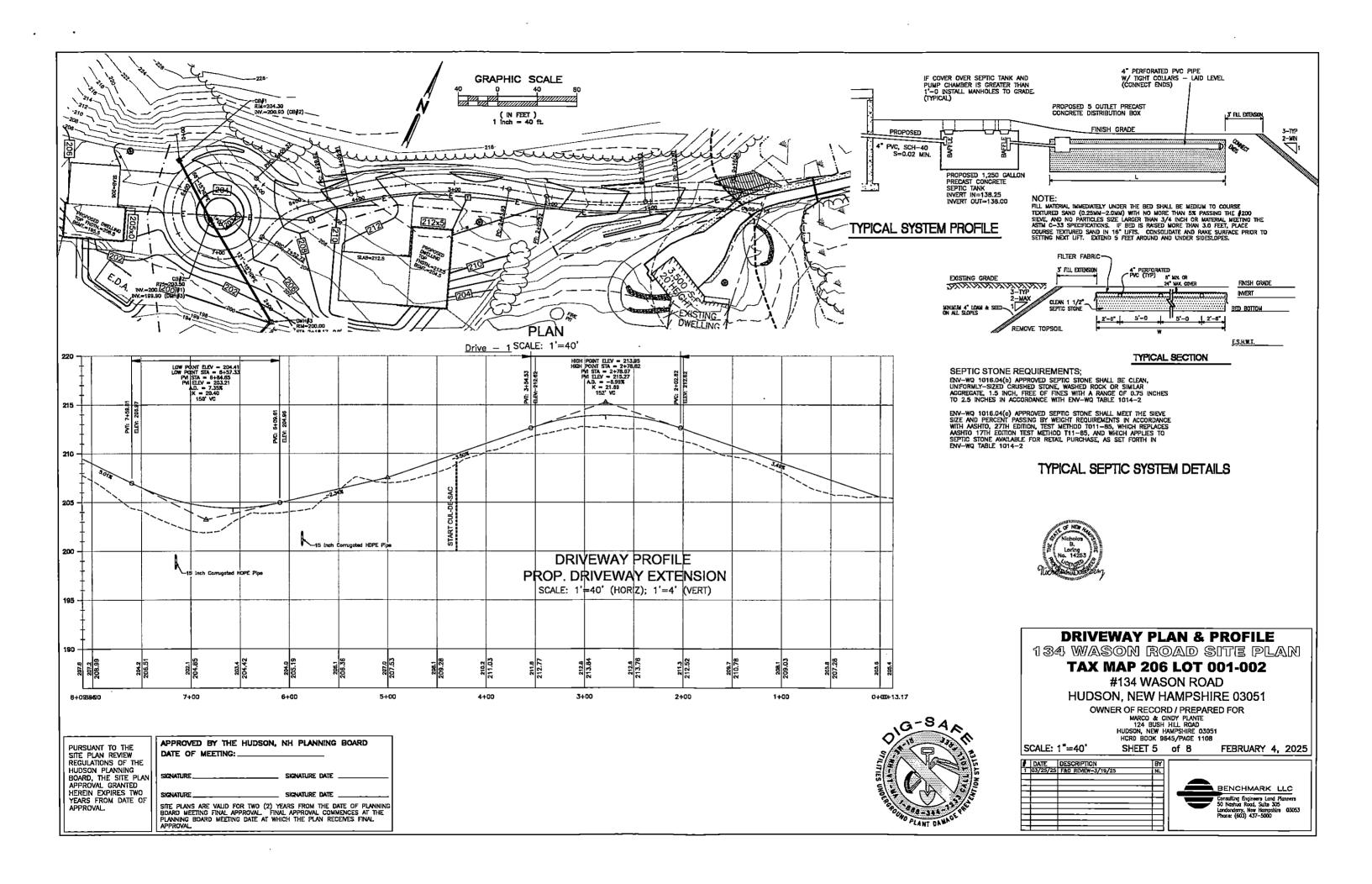
Looking west along the existing driveway towards the impact area.

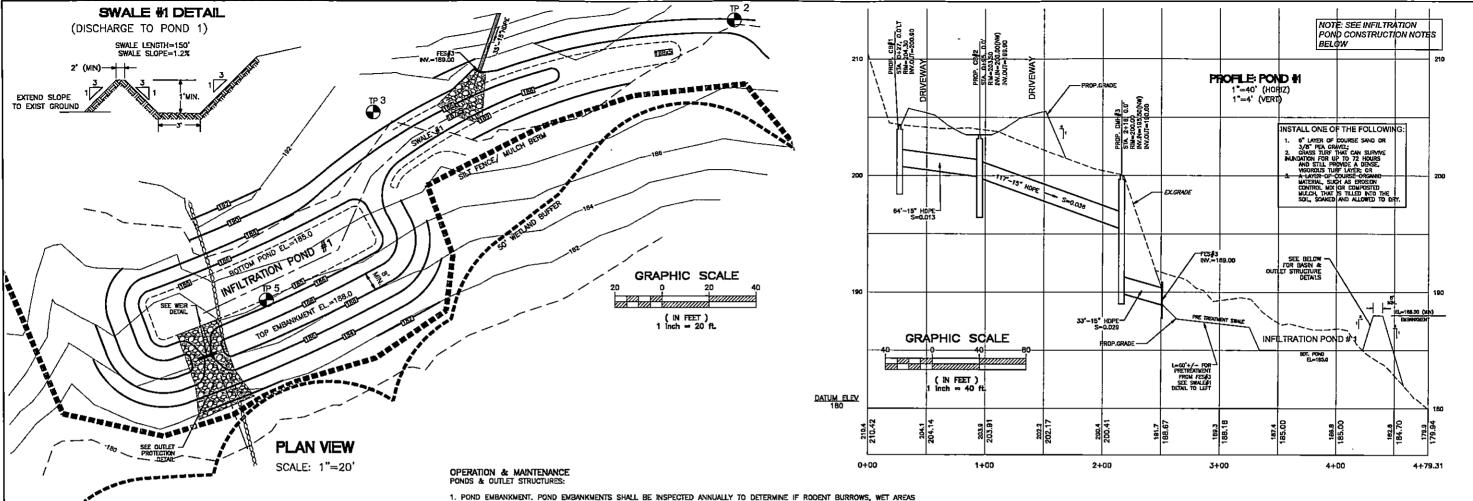












POND CONSTRUCTION NOTES (APPLICABLE TO ALL PONDS):

1. EMBANKMENT PREPARATION. THE AREA UNDER AND WITHIN 10° OF THE EMBANKMENT SHALL BE CLEARED OF TREES, LOGS, STUMPS, ROOTS, BRUSH, BOULDERS, SOD, PEAT AND OTHER UNSUITABLE MATERIAL ALL UNSUITABLE SOILS SHALL BE EXCAVATED AND REMOVED FROM THE EMBANKMENT AREA.

2. FILL MATERIAL FOR EMBANKMENTS SHALL MEET THE FOLLOWING GRADATION:

SIEVE SIZE: \*\* PASSING (BY WEIGHT)

70 - 85 50 - 80

\$200 40 - 60

MATTER SUITBBLE EARTH MATERIAL CAN BE USED FOR FILL UNDER THE EMBANKMENT. DO NOT USE HIGHLY PERHEARLE SOILS SUCH AS SANDS AND GRAVELS. THE MATERIAL PLACED IN FILL SHALL BE FREE OF DETRIMENTAL AMOUNTS OF SOD, ROOTS, FROZEN SOIL, STONES MORE THAN 8° IN CLAMETER AND FOR OTHER COLDECTIONABLE MATERIAL, SELECTED BACKFILL MATERIALS SHALL BE PLACED AROUND STRUCTURES AND PIPE CONDUITS AT ABOUT THE SAME RATE ON ALL SIDES TO PREVENT DAMAGE FROM UNGGIVAL LOADING. THE PLACING AND SPREADING OF FILL MATERIAL SHALL BE STARTED AT THE LOWEST POINT OF THE DETENTION POND EMBANKMENT AND THE FILL SHALL BE

SAME RATE ON ALL SIDES TO PREVENT IN DAMAGE FROM UNCLUDE. THE DETENTION POIND EMBANIMENT AND THE FILL SHALL BE BROUGHT UP IN HORIZONTAL LAYERS NOT MORE THAN ONE (1) FOOT THICK, THE DISTRIBUTION AND GRADATION OF MATERIALS SHALL BE SUCH THAT NO LENSES, POCKETS, STREAKS OR LAYERS OF MATERIAL DIFFER SUBSTANTIALLY IN TEXTURE OR GRADATION FROM THE SURROUNDING MATERIAL.

3. EXCAVATIONS BY THE SUCH THAT NO LENSES, POCKETS, STREAKS OR LAYERS OF MATERIALD DIFFER SUBSTANTIALLY IN TEXTURE OR GRADATION FROM THE SURROUNDING OUTSIDE THE LIMITS OF THE BOTTON OF THE INFILITATION SYSTEM.

4. MOISTURE CONTROL THE MOISTURE CONTENT OF THE FILL MATERIAL SHALL BE ADMINED THE REQUIRED COMPACTION, MATERIAL THAT IS TOD WET SHALL BE DRIED TO MEET THIS REQUIREMENT AND THE MATERIAL THAT IS TOO DRY SHALL HAVE WATER ADDED TO IT AND MORED UNITL THIS REQUIREMENT AND THE MATERIAL THAT IS TOO DRY SHALL HAVE WATER ADDED TO IT AND MORED UNITL THIS REQUIREMENT AND THE MATERIAL THAT IS THE REQUIRED COMPACTION OF THE MATERIAL SHALL BE DISCOVER THE AREAS OF EACH LAYER OF FILL TO ENSURE THAT THE REQUIRED COMPACTION IS OBTAINED. SPECIAL EQUIPMENT SUCH AS MECHANICAL COMPACTOR AND/OR VIBRATION FOR SHALL BE USED IF NEEDED TO OBTAINED. SPECIAL EQUIPMENT SUCH AS MECHANICAL COMPACTOR AND/OR VIBRATION FOR SHALL BE USED IF NEEDED TO OBTAINED. SPECIAL EQUIPMENT SUCH AS MECHANICAL COMPACTOR AND/OR VIBRATION FOR SHALL BE USED IF NEEDED TO DETAINED THE REQUIRED COMPACTOR OF SW OR BETTER SUCH AS MECHANICAL COMPACTOR AND/OR VIBRATIONS OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST — ASTIM D 1557). FILL DATE OF THE MODIFIED TO STRUCTURES AND PIPE CONDUSTS SHALL BE COMPACTED TO A DENSITY EQUIVALENT TO THAT OF SURROUNDING FILL BY MEMS OF HAND TAMPING, POWER TAMPERS AND/OR PLATE VIBRATORS.

6. PROTECTION. ALL EXPOSED SURFACES OF BEARMAMENT SHALL BE LOADED AND SEEDED. USE OF EROSION CONTROL MATS IS HIGHLY RECOMMENDED ON SLOPES STEPPER THAN 3/1 (H/V).

7. BASE RESTORATION. AFTER THE INFILITATION SYSTEM AREA S EXCAVATED TO THE FINAL DESIGN ELEVATION,

PURSUANT TO THE SITE PLAN REVIEW REGULATIONS OF THE HUDSON PLANNING BOARD, THE SITE PLAN APPROVAL GRANTED HEREIN EXPIRES TWO YEARS FROM DATE OF APPROVAL.

APPROVED BY THE HUDSON, NH PLANNING BOARD DATE OF MEETING: SIGNATURE SIGNATURE DATE SIGNATURE DATE SITE PLANS ARE VALID FOR TWO (2) YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL COMMENCES AT THE PLANNING BOARD MEETING DATE AT WHICH THE PLAN RECEIVES FINAL 1. POND EMBANKMENT. POND EMBANKMENTS SHALL BE INSPECTED ANNUALLY TO DETERMINE IF RODENT BURROWS, WET AREAS OR EROSION OF FILL IS TAKING PLACE. REPAIRS SHALL BE PERFORMED WITH SUITABLE MATERIAL (SEE CONSTRUCTION NOTES) AND PROPER GRASS COVER SHALL BE MAINTAINED ON EARTH EMBANKMENTS AT ALL TIMES.

AND PROPER GRASS COVER SHALL BE MAINTAINED ON EARTH EMBANIMENTS AT ALL TIMES.

2. VEGETATION. THE VEGETATED AREA OF STRUCTURES SHALL BE PROTECTED BY DAMAGE FROM EROSION, FIRE, GRAZING AND TRAFFIC. TREES AND SHRUBS SHALL BE KEPT OFF THE EMBANKMENTS.

3. INLETS. END SECTIONS AND PIPE INLETS SHALL BE INSPECTED ANNUALLY AND AFTER EVERY MAJOR STORM. ACCUMULATED DEBRIS AND SEDIMENT SHALL BE REMOVED. RIP RAP OUTLET PROTECTION SHALL BE CLEANED AND REPLACED IF NECESSARY.

4. OUTLETS. GRUCTURES AND PIPES SHALL BE INSPECTED ANNUALLY AND AFTER EVERY MAJOR STORM. THE CONDITION OF THE OUTLET STRUCTURES AND PIPES SHALL BE INSPECTED ANNUALLY AND AFTER EVERY MAJOR STORM. THE CONDITION OF THE OUTLET STRUCTURES AND PIPES SHALL BE TAKEN TO STABILIZE AND PROTECT THE OUTLET.

THAN APPROVED THE DETERTION PONDS SHALL BE CONTINUALLY CHECKED FOR SEDIMENT. WHEN SEDIMENT REACHES AN ELEVATION 3" BELOW THE OUTLET CONTROL DEVICE, THE SEDIMENT ADJACENT TO THE OUTLET STRUCTURE SHALL BE REMOVED AND PROPERLY DISPOSED OFF. AN ADDITIONAL NH WETLANDS BOARD PERMIT MAY BE REQUIRED TO PERFORM WORK IN WETLAND

PROPERCY DISPUSED OFF. AN ADMINISTRATION OF THE DETENTION PONDS, OUTLET STRUCTURES AND TREATMENT SWALES SHALL BE ASSETY INSPECTIONS. THE OPERATION OF THE DETENTION PONDS, OUTLET STRUCTURES AND TREATMENT SWALES SHALL BE VISUALLY CHECKED FOR EXCISION AND SEPRORE AFTER EVERY MAJOR STORM.

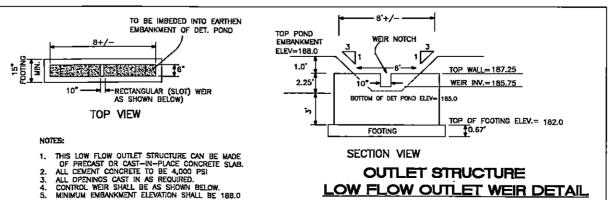
7. SAFETY, THE DETENTION AREAS SHALL INCORPORATE ALL POSSIBLE SAFETY PRECAUTIONS INCLUDING WARNING SIGNS.

8. DEDUCCED OWNIED'S MAME. MARCO & CINDY PLANTE.

124 BUSH HILL RD HUDSON, NEW HAMPSHIRE 03051







LOW FLOW OUTLET WEIR DETAIL (OUTLET DETENTION POND#7)

(ND SCALE)

#### **DETENTION POND DETAILS**

134 WASON ROAD SITE PLAN

#### **TAX MAP 206 LOT 001-002**

#134 WASON ROAD

**HUDSON, NEW HAMPSHIRE 03051** 

OWNER OF RECORD / PREPARED FOR

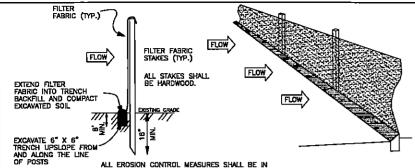
MARCO & CINDY PLANTE 124 BUSH HILL ROAD HUDSON, NEW HAMPSHIRE 03051 HCRD BOOK 9645/PAGE 1108

SCALE: AS NOTED SHEET 6 of 8

FEBRUARY 4, 2025







ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE BMP (BEST MANAGEMENT PRACTICES) AS SPECIFIED IN THE "STORMWATER MANAGEMENT AND SEDIMENT CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS IN NEW HAMPSHIRE" AS PREPARED BY THE ROCKINGHAM COUNTY CONSERVATION DISTRICT.

#### SILT FENCE MAINTENANCE

- 1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.

  2. IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.

  3. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE—HALF THE HEIGHT OF THE BARRIER.

  4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

#### CONSTRUCTION SPECIFICATIONS

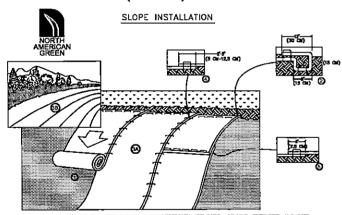
- THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES.
   THE FABRIC SHALL BE EMBEDDED A MINIMUM OF B INCHES INTO THE GROUND AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.
   WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES.
   FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, MID-SECTION AND BOTTOM.
- INCHES AT THE TOP, MID-SECTION AND BOTTOM.

  WHEN 2 SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED.

  FINCE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG AND DRIVEN A MINIMUM OF 16 INCHES INTO THE GROUND. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED TO PREVENT BULGES IN THE SILT FENCE DUE TO DEPOSITION OF SEDIMENT.

#### SILT FENCE DETAIL

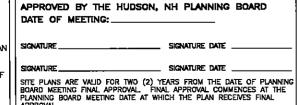
(NO SCALE)

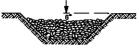


- . ROLL THE BLANCES (A.) DOWN OR (B.) HORZONTALLY ACROSS THE SLIPE. BLANCES WILL WARDL WITH APPROPRIATE SIDE
  AGAINST THE SOL SURFACE. ALL BRANCES MUST BE SECURITY FASTENED TO SOLL SURFACE BY PLACING STAPLES/STAKES
  IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN QUIDE. WHEN USING THE OUT SYSTEM STAPLES/STAKES
  SHOULD BE PLACED THROUGH EACH OF THE COLURED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- THE EDGES OF PAPALLEL, BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" 5" (5 CM 12.5 CM) OVERLAP DEPENDING ON BLANKET TYPE.
- . CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHONGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE NOTE: "IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 8" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE BLANCETS.
- USE NORTH AMERICAN GREEN SCIBOON EROSION CONTROL BLANKET (OR APPROVED EQUAL) DISTRIBUTED BY EJ PRESCOTT, NC 210 SHEEP DAVIS ROAD CONCORD, NFI PHONES (DOJ) 224-8543

#### EROSION CONTROL BLANKET (NOT TO SCALE)

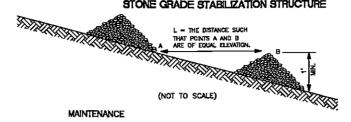
PURSUANT TO THE REGULATIONS OF THE BOARD, THE SITE PLAN APPROVAL GRANTED HEREIN EXPIRES TWO YEARS FROM DATE OF







#### STONE GRADE STABILIZATION STRUCTURE

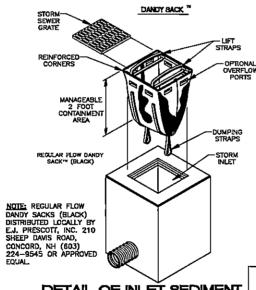


TEMPORARY GRADE STABILIZATION STRUCTURES SHOULD BE CHECKED AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED STORUS. ANY INCESSARY REPAIRS SHOULD BE MADE IMMEDIATELY, PARTICULAR ATTENTION SHOULD BE GIVEN TO BID RILN AND EROSION AT THE DOWNHOSTERAN TOO FINE STRUCTURE. WHEN THE STRUCTURES ARE RELIGIVED, THE DISTURBED PORTION SHOULD BE BROUGHT TO THE EXISTING CHANNEL GRADE AND THE AREAS PREPAIRED, SEEDED AND MULLCHED. WHILE THIS PRACTICE IS NOT INTENDED TO BE USED PRIMARILY FOR SEDIMENT MAPPINE, SOME SEDIMENT WILL ACCUMULATE BEHIND THE STRUCTURES. SEDIMENT SALL BE REMOVED FROM BEHIND THE STRUCTURES WHEN IT HAS ACCUMULATED TO ONE HALF OF THE ORIGINAL HEIGHT OF THE

#### CONSTRUCTION SPECIFICATIONS

- STRUCTURES SHALL BE INSTALLED ACCORDING TO THE DIMENSIONS SHOWN ON THE PLANS AT THE APPROPRIATE SPACING.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER SO THAT EROSION AND AIR AND WATER POLLUTION WILL BE MINIMIZED.
- WHEN HAYBALES ARE USED, THE BALES SHALL BE EMBEDDED AT LEAST 4 INCHES INTO THE SOLL. WHEN TRIBER STRUCTURES ARE USED, THE TIMBER SHALL EXTEND AT LEAST 18 INCHES INTO THE SOLT.
- 4. HAY OR STRAW BALES SHALL BE ANCHORED INTO THE SOIL USING 2° X 2° HARDWOOD STAKES DRIVEN THROUGH THE BALES AT LEAST 18 INCHES INTO THE
- 5. SEEDING, FERTILIZING, AND MULCHING SHALL CONFORM TO THE RECOMMENDATIONS IN THE APPROPRIATE VEGETATIVE BMP.

#### TEMPORARY EROSION CONTROL CHECK DAM WITHIN DRAINAGE CHANNEL

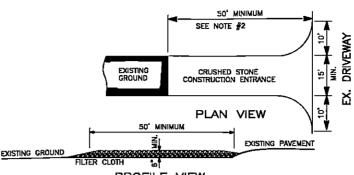


#### DETAIL OF INLET SEDIMENT CONTROL DEVICE

(NOT TO SCALE)

NOTE: INLET SEDIMENT CONTROL DEVICES TO BE REMOVED FROM THE STRUCTURES LOCATED IN PAVED AREAS UPON INSTALLATION OF THE

ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE NH STORMWATER MANUAL VOLUME 3 EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION DATED DECEMBER 2008



# DRIVEWAY EXISTING PAVEMENT 9.7 12

NOTE:

WOOD WASTE COMPOST/BARK MULCH FILTER BERMS MAY
BE USED IN COMBINATION WITH SILT FENCE TO IMPROVE
SEDIMENT REMOVAL AND PREVENT CLOGGING OF THE
WOOD WASTE COMPOST/BARK BERM FILTER BY LARGER
SEDIMENT PARTICLES. (SILT FENCE PLACED TO FILTER
RUN-OFF BEFORE WOOD WASTE COMPOST/BARK BERM.

MAINTENANCE OF A CONTINUOUS BERM REQUIRES MINIMAL EFFORT. F EVIDENCE OF PIPING IS DETECTED, COMPACTING LOOSE SOIL IN THE AREA OF FAILURE

IF ENDENCE OF PIPMS IS DETECTED, COMPACTING LOOSE SOIL IN THE AREA OF FAILURE RESULTS IN MITIGATING THE PROBLEM. IF VEHICLES RUN OVER THE BERN CAUSING DAMAGE, THE DAMAGED AREA SHALL BE REPAIRED BY RE-STAPLING THE FABRIC.

IN THE EVENT OF MANOR DAMAGE, A NEW SECTION OF BERN CAN BE EASILY PLACED IN RICHT OF THE DAMAGED SECTION.

NINE THE BERN IS NO LONGER NECESSARY REMOVAL IS COMPLETED BY SLITTING THE BERN, SUITING THE FILL MATERIAL AND INCORPORATING IT INTO THE DUSTING SOIL, AND REMOVING THE FABRIC.

FILTER BERN SHALL BE CLEANED WHEN THE DEPTH OF SEDIMENT REACHES HALF THE HEIGHT OF THE BERN (S INCLESS)

RESHAPE THE BERN AS NECESSARY.

PROFILE VIEW

INSPECTION AND MAINTENANCE

#### CONSTRUCTION SPECIFICATIONS

- 1. MINIMUM STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 INCH CRUSHED
- STONE
  THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 75 FEET, EXCEPT
  THAT THE MINIMUM MAY BE REDUCED TO 50 FEET IF A 3-INCH TO 8-INCH HIGH BERM
  IS INSTALLED AT THE ENTRANCE OF THE PROJECT SITE
  THE WIDTH OF THE CONSTRUCTION ENTRANCE SHALL EXTEND THE FULL WIDTH OF THE
  CONSTRUCTION ACCESS ROAD OR 10 FEET, WHICH EVER IS GREATER.
  THE PAD SHALL SLOPE AWAY FROM THE EXISTING ROAD
  THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS
  THAN 8 INCLIES.
- THAN 6 INCHES.
- THAN 6 INCHES.

  GEOTEMILE FILTER FABRIC SHALL BE PLACED BETWEEN THE STONE PAD AND THE EARTH SURFACE BELOW THE PAD THE PAD SHALL BE MAINTAINED OR REPLACED WHEN MUD AND SOIL PARTICLES CLOG THE YOUS IN THE STONE SUCH THAT MUD AND SOIL PARTICLES ARE TRACKED OFF SITE ALL SURFACE WAITER THAT IS FLOWING TO OR DIVERTED TOWARDS THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERN WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
- BERN WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE FIPE.

  THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY. THIS WAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED PROMPTLY. IF NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY MUST BE STALL BE COKEN TO PUBLIC RIGHT OF WAY MUST BE STALL BE CHANGED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

#### STABILIZED CONSTRUCTION ENTRANCE

TO BE CONSTRUCTED AT SITE ENTRANCE AT THE INTERSECTION WITH EXISTING DRIVEWAY (NO SCALE)

#### MULCH BERM

#### CONSTRUCTION SPECIFICATIONS:

- CONSTRUCTION SPECIFICATIONS:

   THE WOOD WASTE COMPOST/BARK FILTER SHALL CONSIST OF A WOOD WASTE COMPOST/
  BARK WLUCH MIX OR RECYCLED, COMPOSTED BARK FILME GRIT AND FRAGMENTED WOOD
  GENERATED FROM WATER FILME LOG HANDLING SYSTEMS.

  A) THE MIX SHALL HAVE THE FOLLOWING STANDARDS:

  B) MOSTURE CONTENT 30% TO 60%
  C) pf 5.0 TO 8.0

  D) SCREEN SIZE 100% LESS THAN 75MM, MAXILMUM 70% LESS THAN 25 MM,
  E) NO LESS THAN 40% ORGANIC MATERIAL (ORY WBGHT) BY LOSE OF IGNITION,
  F) NO STONES GREATER THAN 2 INCHES IN DIMMETER

  BERN MAY BE FORMED WITH A BARK BLOWER OR WITH OTHER EQUIPMENT. BERN SHALL BE
  18 INCHES MINIMUM AT THE BASE AND SHALL BE AT LEAST 12" IN HEIGHT.

  FILTER BERN MAY BE FLACED DIRECTLY ON THE GROUND, NO TRENCHING OR STAKING
  IS REQUIRED. MAREPIAL.

  FILL CONTINUOUS BERN WITH SAND, ACCREGATE ROCK, OR SOIL AS SPECIFIED.

  DRAMAGE OF PONDED WATER IS DEPENDENT UPON FARRC FLOW RATES AND THE INSILL

- ORIGINAL GROUND

  - WHEN A CONTINUOUS BERM IS TO FUNCTION AS A SEDIMENT TRAP, AT LEAST 3 FEET (0.9M)
    OF THE STRUCTURE MUST BE FILLED WITH 3/4"-1 1/2" (20MM TO 38MM) DAMETER ROCK
    TO SERWE AS A DRINNINGE CHAMBER IN A ADDITION THE ROCK DRINNINGE CHAMBER MUST BE
    LICATED AT A LOW SPOT FOR ADEQUATE DRIANNES OF PONDED WATERS.
     NONWOWN FABRIC CAN BE DRINNED BY CUITING VERTICAL SLITS IN THE UPSTREAM
    SIDE OF THE FABRIC SURROUNDING THE DRINNINGE CHAMBER TO ALLOW FOR THE PASSAGE
    OF WATER. OPTIONALLY, INSERT A 2 INCH (51MM) PIC PIPE THROUGH THE DOWNSIDE
    OF THE BERM, INTO THE ROCK CHAMBER APPROXIMATELY 4-5 INCHES (101-152MM)
    TO DISCHARGE THE PONDED WATER.
     ONCE A BERM HAS BEEN DEVELOPED, ADDITIONAL SEALING OF THE BOTTOM OCCURS BY
    HAVING SOMEONE "WALK" ALONG THE TOP.







(NO SCALE)

#### **EROSION CONTROL DETAILS**

134 WASON ROAD SITE PLAN

#### **TAX MAP 206 LOT 001-002**

#134 WASON ROAD

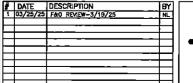
**HUDSON, NEW HAMPSHIRE 03051** 

OWNER OF RECORD / PREPARED FOR MARCO & CINDY PLANTE 124 BUSH HILL ROAD HUDSON, NEW HAMPSHIRE 0305

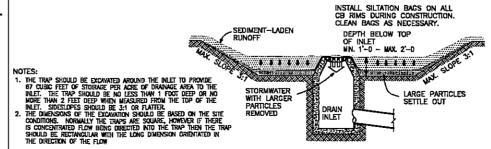
SCALE: NONE

HCRO BOOK 9545/PAGE 1108 SHEET 7 of 8

FEBRUARY 4, 2025



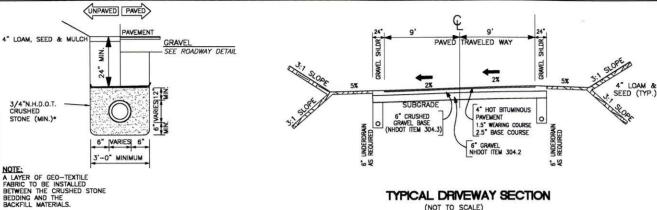




TEMPORARY STORM DRAIN INLET PROTECTION

**DETAIL** (ALTERNATE METHOD)

(NO SCALE)



#### TYPICAL DRAIN TRENCH DETAIL

ON-SITE DRAINAGE OPERATIONS AND MAINTENANCE SCHEDULE

CATCH BASIN - MAINTENANCE PROCEDURES:

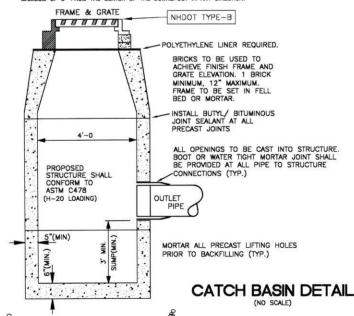
- INSPECT CATCH BASIN UPSTREAM SEMIANNUALLY FOR SEDIMENT
- REMOVE GRATES AND COVERS
- STEP 3) SKIM OFF OILS AND FLOATABLES
- USING A STADIA ROD, MEASURE THE DEPTH OF SEDIMENT
- STEP 5) IS SEDIMENT IS AT A DEPTH GREATER THAN 6" PROCEED TO STEP 6, IF NOT PROCEED TO STEP 7

  STEP 6) VACUUM OR MANUALLY REMOVE SEDIMENT
- STEP 7) REPLACE GRATES OR COVERS
- STEP 8) RECORD OBSERVATION, DEPTH & DATE AND SCHEDULE NEXT INSPECTION.

#### POLYETHYLENE LINER NOTES:

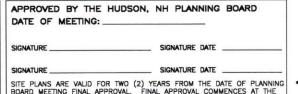
ALL CATCH BASINS TO BE OUTFITTED WITH A POLYETHYLENE LINER DOWNSPOUT.
POLYETHYLENE LINER (NHOOT) THEM 604,0007) SHALL BE FABRICATED AT THE SHOP,
DOWNSPOUT SHALL BE EXTRUSION FILLET WELDED TO THE POLYETHYLENE SHEET.
PLACE A CONTINUOUS BEAD OF AN APPROVED SILICONE SEALANT BETWEEN THE FRAME
AND POLYETHYLENE SHEET.

PLACE CLASS AA CONCRETE TO 2" BELOW THE TOP OF GRATE ELEVATION (SUBSIDIARY TO DRAINAGE STRUCTURE) TRIM POLYETHYLENE SHEET A MAXIMUM OF 4" OUTSIDE THE FLANGE ON THE FRAME FOR THE CATCH BASIN BEFORE PLACING CONCRETE. (EXCEPT AS SHOWN WHICH USED WITH CURB). CENTER OF THE GRATE AND FRAME MAY BE SHIFTED A MAXIMUM OF 3" FROM THE CENTER OF THE GRATE AND FRAME MAY BE SHIFTED A



PURSUANT TO THE SITE PLAN REVIEW REGULATIONS OF THE HUDSON PLANNING BOARD. THE SITE PLAN APPROVAL GRANTED HEREIN EXPIRES TWO YEARS FROM DATE OF APPROVAL.

6" MINIMUM (12" MIN. IN BEDROCK)
3/4" CRUSHED STONE BEDDING



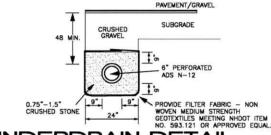
PLANNING BOARD MEETING DATE AT WHICH THE PLAN RECEIVES FINAL

TYPICAL DRIVEWAY SECTION

#### TYPICAL ROADWAY SECTION NOTES:

- 1. ALL ROADWAY MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE LATEST NIHOOT SECRICIATIONS FOR ROAD AND BRIDGE CONSTRUCTION, INCLUDING SUBSEQUENT AMENDMENTS AND EDITIONS, 2. PROVIDE 4\* MINIMUM COMPACTED LOAM AND SEED ON ALL SIDE SLOPES AND DRAINAGE SWALES UNLESS
- OTHERWISE NOTED.

  3. ALL LEDGE SHALL BE REMOVED TO 6" BELOW SUBGRADE.



#### UNDERDRAIN DETAIL

(NO SCALE)

#### TYPICAL UNDERDRAIN NOTES:

- ALL ROADWAY MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE LATEST NHDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2016 EDITION, INCLUDING SUBSEQUENT AMENDMENTS AND EDITIONS.

  2. GRADING FOR UNDERDRAIN PIPE SHALL BE PARALLE. TO GRADE OF THE ROAD.

  3. UNDERDRAIN OUTLET SHALL ENTER A CATCH BUSIN OR BE PROTECTED BY A MASONRY RUBBLE HEDWALLAW HILD ENTERING A HEADWALL, LAST 10—L' SHALL BE SOLD UNDERDRAIN.

  4. EXPRANTAL TO SHEED SHALL BE SHALL BE SOLD UNDERDRAIN.

  4. EXPRINANT LUSERS SHALL BE INSTALLED AT THE END OF RUNS AND

EROSION CONTROL & TURF ESTABLISHMENT NOTES:

ALL DISTURBED AREAS SHALL BE FULLY STABILIZED WITHIN 30 DAYS.

DISTURBED AREAS ANTICIPATED TO BE LEFT ON SITE IN EXCESS OF 30 DAYS

SHALL BE TEMPORARILY STABILIZED BY LOAMING, SEEDING AND MULCHING WITHIN 5 DAYS OF THE INTITIAL DISTURBANCE.

UPON COMPLETION OF FINISH GRADING, ALL DISTURBED AREAS SHALL BE LOAMED, FERTILIZED AND SEEDED WITHIN 72 HOURS.

ALL STEEP SLOPES SHALL BE HYDROSEEDED. USE OF EROSION CONTROL MATS IS

A. LOAM — SCREENED LOAM WITH A MINIMUM DEPTH OF 4".

B. LIME AND FERTILIZER SHALL BE APPLIED PRIOR TO, OR AT THE TIME OF, PERMANENT SEEDING AND INCORPORATED INTO THE SOIL AT THE

KENTUCKY BLUE GRASS 10% WHITE CLOVER (LEGUME) 3%

D. MULCHING SHALL BE APPLIED (FROM MAY TO SEPTEMBER ONLY) AT THE RATE OF 1 1/2 - 2 TONS/ ACRE.

E. THE RECOMMENDED GRASS MUSTIFIED.

EARTH PILES SHALL BE STABILIZED TO PREVENT EROSION BY SEEDING & MULCHING.

CREEPING RED FESCUE
TALL FESCUE
ANNUAL RYE GRASS
PERENNIAL RYE GRASS
KENTUCKY BLUE GRASS

E. THE RECOMMENDED GRASS MIXTURES AND FERTILIZERS SPECIFIED HEREIN ARE AVAILABLE AT BLUE SEAL FEEDS, NASHUA, NH (603 883- 9531).

3.000 LBS/ ACR 150 LBS/ ACRE

35% 25% 15% 12% 10%

50 LBS/ ACRE 150 LBS/ ACRE

STABILIZATION SHALL BE ACCOMPLISHED BY LOAMING, FERTILIZING, SEEDING

FOLLOWING RATES:
LIMESTONE (AGRICULTURAL)
COMMERCIAL TURE STATTER FERTILIZER (10—18—10)
15
SUCH AS "GREEN GOLD RENEW" (FOR ESTABLISHMENT ONLY)
C. SEED SELECTION (OR EQUIVALENT) & SEEDING RATES:
TEMPORARY: ANNUAL RYE GRASS
51
PERMANENT: "ROCKINGHAM SOIL CONSERVATION MIX" 15

AND MULCHING ALL DISTURBED AREAS (OTHER THAN UNDER THE PAVEMENT)

. NO MORE THAN 5 ACRES MAY BE DISTURBED AND LEFT UNSTABILIZED AT ANY ONE TIME.

HIGHLY RECOMMENDED.

FOLLOWING RATES:

#### GENERAL CONSTRUCTION NOTES:

FUGITIVE DUST GENERATED ON SITE SHALL BE CONTROLLED IN ACCORDANCE WITH ENV-A 1000.

Env-Wq 1504.06(k) THIS PROJECT SHALL MEET THE REQUIREMENTS AND INTENT OF RSA 430:51-57 AND AGR 3800 RELATIVE TO INVASIVE SPECIES.

#### Env-Wq 1505.03 MAXIMUM OPEN AREA ALLOWED:

- Q 1505.03 MAXIMUM OPEN AREA ALLUWEU;

  ALL AREAS OF UNSTABILIZED SOIL SHALL BE:

  TEMPORARILY STABILIZED AS SOON AS PRACTICAL BUT IN ALL CASES WITHIN 30 DAYS OF INITIAL
  DISTURBANCE, UNILESS A SHORTER TIME IS SPECIFIED BY LOCAL AUTHORITIES, THE CONTROL SEQUENCE APPROVED AS PART OF THE ISSUED PERMIT, OR AN INDEPENDENT MONITOR; AND
  PERMANENTLY STABILIZED AS SOON AS PRACTICABLE BUT IN ALL CASES WITHIN 3 DAYS OF FINAL
- (B) THE AREA OF UNSTABILIZED SOILS IS APPROXIMATELLY 50,000 SO. FT.

- Env—Wq 1505.06 COLD WEATHER SITE STABILIZATION:

  (A) TO ADEQUATELY PROTECT WATER QUALITY DURING COLD WEATHER AND DURING SPRING RUNOFF, THE ADDITIONAL STABILIZATION TECHNIQUES SPECIFIED BELOW SHALL BE EMPLOYED DURING THE PERIOD FROM OCTOBER 15 THROUGH MAY 1.

  (B) SUBJECT TO (C.), BELOW, THE AREA OF EXPOSED, UNSTABILIZED SOILS SHALL BE:

  (1) LIMITED TO APPROXIMATELY ONE ACRE; AND

  - PROTECTED AGAINST EROSION BY THE METHODS DESCRIBED IN THIS SECTION PRIOR TO ANY THAW OR SPRING MELT EVENT.
- THAW OR SPRING MELT EVENT.

  (C) THE ALLOWED AREA OF EXPOSED SOIL MAY BE INCREASED IF A WINTER CONSTRUCTION PLAN IS DEVELOPED BY A QUALIFIED ENGINEER OR A CPESC SPECIALIST AND SUBMITTED TO THE DEPARTMENT FOR APPROVAL AS A REQUEST TO WANVE THE ONE—ACRE LIMIT.

  SUBJECT TO (F) AND (G), BELOW, ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF LESS THAN 15% THAT DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR THAT ARE DISTURBED AFTER OCTOBER 15, SHALL BE SEEDED AND COVERED WITH 3 TO 4 TONS OF HAY OR STRAW MULCH PER ACRE AND SECURED WITH ANCHORED NETTING OR TACKIFIER, OR 2 INCHES OF EROSION CONTROL MIX MEETING THE CRITERIA OF ENV—WQ 1506.05(b). (SEE BELOW)

  (E) SUBJECT TO (F) AND (G), BELOW, ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF 15% OR GREATER THAT DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR THAT ARE DISTURBED AFTER OCTOBER 15, OR
- AND ANCHORED ENOSION CONTROL BLANKET OR WITH A LEAST 4 INCHES OF EROSION CONTROL MI MEETING THE CRITERIA OF ENV-WQ 1506.05(b), (SEE BELOW) ANCHORED HAY MULCH OR EROSION CONTROL MIX THAT MEETS THE CRITERIA OF ENV-WQ 1506.05(b) SHALL NOT BE INSTALLED OVER SNOW OF GREATER THAN ONE (1) INCH IN DEPTH. EROSION CONTROL BLANKETS SHALL NOT BE INSTALLED OVER SNOW GREATER THAN ONE (1) INCH IN DEPTH OR ON FROZEN GROUND.
- ALL PROPOSED STABILIZATION IN ACCORDANCE WITH (D) OR (E), ABOVE, SHALL BE COMPLETED WITHIN A DAY OF ESTABLISHING THE GRADE THAT IS FINAL OR THAT OTHERWISE WILL EXIST FOR MORE THAN 5 DAYS.
- MORE THAN 5 DAYS.

  ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS, AS DETERMINED BY THE OWNER'S ENGINEERING CONSULTANT.

  AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING AREAS WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREAS WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREA HAS STOPPED FOR THE WINTER SEASON SHALL BE PROTECTED WITH A MINIMUM 3 INCH LAYER OF BASE COURSE GRAVELS MEETING THE GRADATION REQUIREMENTS OF NHOOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2016, TABLE 304-1, ITEM NO. 304.1, 304.2, OR 304.3.

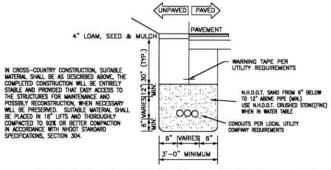
- Env-Wq 1506.05 (b): <u>EROSION CONTROL MIX SHALL</u>:

  1. HAVE AN ORGANIC PORTION BETWEEN 25% AND 65%, DRY WEIGHT BASIS THAT IS:

  1. G. FIBROUS AND ELONGATED SUCH AS FROM SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR EQUIVALENT MANUFACTURED PRODUCTS; AND

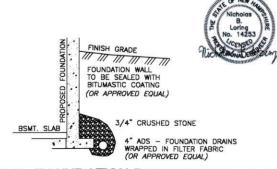
  1. NOT COMPRISED OF WOOD CHIPS, BARK CHIPS, GROUND CONTROL DEBRIS, OR REPROCESSED

  - b. NOT COMPRISED OF WOOD CHIPS, BARK CHIPS, GROUND CONTROL DEBRIS, OR REPROCESSED WOOD PRODUCTS;
    NOT CONTAIN SILTS, CLAYS, OR FINE SANDS;
    HAVE A PARTICLE SIZE BY WEIGHT OF 100% PASSING A 3-INCH SCREEN, 90% TO 100% PASSING A 1-INCH SCREEN, 70% TO 100% PASSING A 0.75-INCH SCREEN, AND 30% TO 75% PASSING A 0.25-INCH SCREEN; AND HAVE A pH BETWEEN 5.0 AND 8.0.

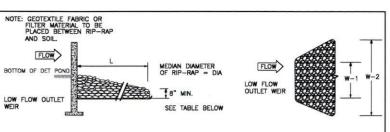


#### TYPICAL ELECTRICAL, TELEPHONE, CABLE TRENCH DETAIL

(NO SCALE)



#### TYPICAL FOUNDATION DRAIN TRENCH DETAIL (NOT TO SCALE)



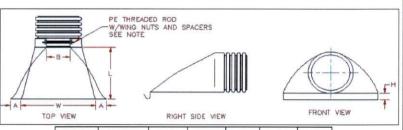


#### RIP RAP SCHEDULE

DETAIL #	LOCATION	<b>W</b> −1 (FT)	W-2 (FT)	100 000	DIA (IN)
Α	FES#3 - POND-1 INLET	4	20	20	6
В	POND-1 OUTLET	18	24	36	6
		_			

**OUTLET PROTECTION DETAILS** (NOT TO SCALE)





PART#	PIPE SIZE	Α	B(MAX)	н	L	w
1015NP	10 in	3.8 in	10.0 in	6.5 in	28.0 in	34.5 in
1215NP	12 & 15	6.5 in	10.0 in	6.5 in	25.0 in	29.0 in
1810NP	18 in	7.5 in	15.0 in	6.5 in	32.0 in	35.0 in
2410NP	24 in	7.5 in	18.0 in	6.5 in	36.0 in	45.0 in
3015NP	30 in	7.5 in	12.0 in	8.6 in	58.0 in	63.0 in
3615NP	36 in	7.5 in	25.0 in	8.6 in	58.0 in	63.0 in

#### ADS FLARED END SECTION DETAIL

(NO SCALE)

NOTES

1. EROSION CONTROL MEASURES SHALL BE PLACED AROUND CONSTRUCTION AREAS AND SHALL REMAIN UNTIL ALL DISTURBED AREAS ARE FULLY STABILIZE.

2. A MINIMUM OF 4" OF LOAM SHALL BE PLACE OVER DISTURBED AREAS, OUTSIDE IMPERIOUS DEVELOPMENT.

#### CONSTRUCTION DETAILS

134 WASON ROAD SITE PLAN

#### **TAX MAP 206 LOT 001-002**

#134 WASON ROAD

**HUDSON, NEW HAMPSHIRE 03051** 

OWNER OF RECORD / PREPARED FOR MARCO & CINDY PLANTE 124 BUSH HILL ROAD HUDSON, NEW HAMPSHIRE 03051 HCRD BOOK 9645/PAGE 1108

SCALE: NONE

SHEET 8 of 8 FEBRUARY 4, 2025



Run: 4/02/25 3:35PM

# Expenditure Report

Town of Hudson, NH As Of: March 2025, GL Year 2025 Page: 1 mwhittemor ReportSortedExpenditure

Account Number	Budget	Prior Year Encumbered	Budget & PY Adjustments	Net Budget	MTD Exp	YTD Exp	Encumbered	Balance Available	%Used
Conservation Fund							_		
06-4619-5586-202-000	Conserv Cor	mm, Sm. Equipment	Mtce	•			•		
	2,300.00	0.00	0.00	2,300.00	0.00	727.58	0.00	1,572.42	31.634
06-4619-5586-217-000	Conserv Con 1,327.00	mm, Assoc Dues/Fe 0.00	es 0.00 ·	1,327.00	. 0.00	1,125.00	. 0.00	202.00	84.778
06-4619-5586-235-000	Conserv Co 500.00	mm, Registration Fe	es 0.00	500.00	0.00	0.00	0.00	500.00	0.000
06-4619-5586-252-000	Conserv Co	mm, Prof Services						0.000.00	00.000
	48,626.00	0.00	14,408.00	63,034.00	5,579.00	26,784.00	29,961.00	6,289.00	90.023
2024	0.00	162,328.98	-25,535.00	136,793.98	20,979.26	109,787.16	27,006.82	0.00	100.000
Total Conservation	n Fund								
Selected Year	52,753.00	0.00	14,408.00	67,161.00	5,579.00	28,636.58	29,961.00	8,563.42	87.249
Prior Year	0.00	162,328.98	-25,535.00	136,793.98	20,979.26	109,787.16	27,006.82	0.00	100.000
Sort Total	52,753.00	162,328.98	-11,127.00	203,954.98	26,558.26	138,423.74	56,967.82	8,563.42	95.801

Run: 4/02/25 3:35PM Expenditure Report

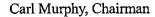
Town of Hudson, NH As Of: March 2025, GL Year 2025 Page: 2 mwhittemor ReportSortedExpenditure

Account Number	Budget	Prior Year Encumbered	Budget & PY Adjustments	Net Budget	MTD Exp	YTD Exp	Encumbered	Balance Available	%Used
Selected Year	52,753.00	0.00	14,408.00	67,161.00	5,579.00	28,636.58	29,961.00	8,563.42	87.249
Prior Year	0.00	162,328.98	-25,535.00	136,793.98	20,979.26	109,787.16	27,006.82	0.00	100.000
Grand Total	52,753.00	162,328.98	-11,127.00	203,954.98	26,558.26	138,423.74	56,967.82	8,563.42	95.801

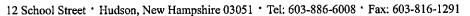


## TOWN OF HUDSON

#### **Conservation Commission**



Dave Morin, Selectmen Liaison



**DATE: March 10, 2025** 

MEETING MINUTES: Below is a listing of minutes for the Hudson Conservation Commission. Minutes are not a verbatim record of each meeting, but rather represent a summary of the discussion and actions taken at the meeting. All Conservation Commission meetings are televised live and repeated during the following week on HCTV, cable television channel 22. Official copies of the minutes are available to read and copy at the Town Engineer's Office during regular business hours (Monday through Friday, 8:00 A.M. to 4:30 P.M.).

Should you have any questions concerning these minutes or wish to see the original recording, please contact the Town Engineer's Office at 603-886-6008.

In attendance = $X$ Alternates Seated = $S$ P	'artial Attendance = P	Excused Absence = E
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Carl Murphy Ken Dickinson Christopher Cameron

Chairman X Vice-Chair X Clerk X

John Walter Linda Krisciunas David Morin Elvis Dhima

Member X Alternate E Selectman Rep X Town Engineer X

CALL TO ORDER BY CHAIRPERSON AT 07:00 P.M.

PLEDGE OF ALLEGIANCE

ROLL CALL

SEATING OF ALTERNATES: N.A.

Public Input Related to Non-Agenda Items:

None

#### I. New Business

#### a. Raymond Park Rail Trail - Pelham/Hudson

John Picard and James Bishop from the Pelham Trails Committee requested permission from the Hudson Conservation Commission to clear and reopen this trail corridor on an abandoned railroad

bed, that runs from Mammoth Rd in Pelham to Gibson Rd in Hudson. The rail bed once ran much further as well but some sections have been impacted by development in the area. Approximately 600 feet of the section in question, which totals about 3,500 feet, is within the town of Hudson, with the rest being in Pelham. The corridor is very overgrown and has some erosion, as well as a bridge that is missing a deck. No Japanese knotweed has been observed, however it is expected that there is some bittersweet and possibly some other invasive species along the corridor.

Mr. Cameron asked if there is a public right-of-way for this trail and Mr. Picard & Mr. Bishop indicated that there is. He also asked if the Pelham Trails Committee would like help with the work, if approved – the Pelham members indicated that the likely would appreciate help.

Mr. Morin confirmed that no action was needed by the Conservation Commission to allow this work to occur, however it was noted that the members of the Pelham Trails Committee should obtain the proper insurance if working on trails in Hudson.

#### II. Old Business

#### a. Conditional Use Permit/Site Plan Review - 256 Lowell Rd (T-Bones)

Mr. Walter made a motion, seconded by Mr. Cameron, to go out of the regular order of business and review the updates on the site plan and conditional use permit application for the prospective T-Bones restaurant development at 256 Lowell Rd. No discussion. Motion carried 4-0-0.

#### Introduction:

The applicant, Tom Boucher, co-owner and CEO of T-Bones Restaurant, gave a brief overview of his background and the history of the restaurant, including his ties to Hudson and the reasons for moving from the current site, along with the desire to keep the restaurant in Hudson. Sam Foisie, Engineer for Meridian Land Services, Inc., presented the updates to the site plan for the proposed development at 256 Lowell Rd, in response to comments received from the Conservation Commission at the monthly meeting on 2/10/2025 and at the subsequent site walk on 2/12/2025, as well as comments from the Planning Board meeting on 2/26/2025.

#### Changes presented:

- -Updated the wetland buffer to the current 75 foot offset, which resulted in increased wetland buffer impacts from those previously shown.
- -Increased the exterior sideslopes of the stormwater retention pond and provided details for a proposed U-Wall (universal wall) retaining wall system.

-Added right-turn lane into the driveway from Lowell Rd, which increased wetland buffer impacts to 20,648 square-feet (SF) (approximately 0.47 acres)

-Proposing native plantings, including high bush blueberry, holly, and pine, to re-establish some of the vegetation within the wetland buffer area impacted by construction. Invasive species to be removed from within the wetlands and within the 100 foot residential buffer, as well as within the rest of the site, without impacting non-invasive plants and trees outside of the limits of clearing on the site plan (pending approval).

#### Discussion:

Mr. Foisie: Regarding placing some of the stormwater treatment areas beneath the parking lot, the only feasible location would be beneath the western portion of the parking area and the upper part of the driveway from Lowell Rd, however this location is problematic. Mr. Dhima indicated that there is a thinner guardrail type for constrained areas that is still crashworthy for up to 50-55 mph – to provide specifications for this product to the designer. Mr. Foisie addressed the recommendation on reducing the parking lot aisle widths and mentioned that it does not align with the applicant's business model and priorities of making the site easy to access and prioritize safety, including emergency response. Provision of approximately 5.5 feet of separation between the edge of the parking lot and the stormwater basins to accommodate guardrail where needed – guardrail to be provided along any altered slope with a 4+ foot vertical drop.

#### Comments:

Mr. Cameron expressed continued concern with the overall size of the parking lot and driveway area, which was not reduced at all from the last submittal as requested, as well as the need for, and location of, the proposed driveway from Lowell Rd. He expressed that there were concerns raised at the planning board meeting regarding visual and noise impacts to abutters and that consideration should be given to providing a fence and/or plantings along the parking lot where it abuts the 100 foot residential buffer, however the site plan does not leave any room for anything beyond the parking lot limits that does not encroach on the buffer. Removing trees from within the buffer to install anything would be counter-productive to conservation efforts.

Mr. Cameron pointed out that reducing the number of parking spaces, reducing the parking lot aisle widths, and/or making the parking lot aisles one-way would reduce the overall footprint, allow the parking area and stormwater pond to be moved away from the wetland buffer and residential buffer, reducing impacts and also allowing for plants/trees/fencing to be provided along the edge of the parking lot. Reducing the footprint would also reduce overall wetland buffer impacts and associated required mitigation.

Mr. Boucher indicated strong opposition to reducing the aisle widths or making them one-way, referencing safety concerns and emergency response as justification. A café in Bedford was specifically mentioned as an example of a "disaster" where drivers do not follow the one-way restrictions and there is general confusion and recurring collisions. Mr. Foisie mentioned that the one

location where one-way aisles might work would be the outer-most aisles, however they were not recommended there due to the locations of the driveways and overall traffic flow. Additionally, Mr. Cameron suggested that the applicant could look into placing some of the parking beneath the building. Mr. Boucher countered that it would be prohibitively expensive to place parking below and referenced condos being constructed in Laconia as an example. Mr. Cameron suggested that some alternative solutions for reducing the footprint of the parking lot could include counting the same parking spaces for both seasonal patio use and snow storage, as these uses would not occur during the same times of year as they are factored in to the total required number of parking spaces. Mr. Boucher reiterated the need for snow storage and acknowledged this, however did not offer to re-evaluate the number of parking spaces requested.

Mr. Cameron also expressed concern with the driveway location from Lowell Rd and asked for clarification for this being required. Mr. Foisie replied that it was required as a stipulation from Walmart in order to approve the permit to share their primary access driveway. The location was dictated by the slope and also by the NHDOT general preference that driveways not be located within a turn lane. It was suggested that having the driveway opening within the turn lane might actually be safer than having it located so close to the taper to the turn lane. Mr. Cameron asked Mr. Dhima if he thought NHDOT would ask the applicant to connect the driveway exit from T-Bones onto Lowell Rd to the right-turn lane into Walmart. Mr. Dhima replied that they might but that any significant increase to wetland buffer impacts would require the applicant to return to the commission for re-approval. Mr. Cameron followed up to ask how that would impact the wetland buffer, and verified on the plans that it would increase wetland buffer impacts slightly due to the location of the driveway opening as shown on the plan.

Mr. Morin indicated that the conservation commission comments should be focused on the wetland buffer impacts and other concerns should be raised by the planning board. Mr. Cameron countered that the overall footprint of the driveways and parking lots is directly related to the wetland buffer impact. Mr. Dhima recommended that the commission determine if the applicant has made sufficient efforts to address their concerns and provide the best possible plan given the economic and geometric constraints.

Mr. Dickinson recognized the need for the right turn lane from Lowell Rd but indicated concern with the tight (15 foot) turning radius into the driveway but was otherwise prepared to make a favorable recommendation on the conditional use permit application.

There was discussion on the culvert across the driveway from Lowell Rd and the fact that all water drains away from the upper (eastern) part of the site, closer to the adjacent residential areas, toward Lowell Rd and the River. Mr. Murphy asked about the sheet flow from the Lowell Rd driveway and Mr. Foisie indicated the driveway is not curbed and that the water would sheet flow from the driveway equally into the stormwater basin and into the swale area along Lowell Rd that would then drain through a large culvert across Lowell Rd.

Mr. Dhima asked for the final amount of the permanent wetland buffer impact area from the revised conditional use permit. Mr. Foisie provided the updated value of 20,648 square feet. It was indicated that a recently approved conditional use permit had significantly higher wetland buffer impact.

#### Motion:

Mr. Dickinson made a motion, seconded by Mr. Walter, to recommend to the Planning Board the approval of the conditional use permit for the construction of driveway access and stormwater control related to the proposed construction at 256 Lowell Rd with the following stipulations:

- 1. During construction and restoration erosion control barriers shall be installed and maintained to the satisfaction of the Town Engineer.
- 2. Construction and restoration shall comply with "Best Management Practices to Control Non-Point-Source Pollution: A Guide for Citizens and Town Officials" (NH Department of Environmental Services Current Issue).
- 3. It is recommended that the applicant create and implement a wetland buffer restoration plan for the disturbed buffer area as part of the site plan approval. The details and implementation of said restoration plan shall be added to the "General Notes and Legend" found on sheet 2 of 23 of the plan set.
- 4. It is recommended to have the applicant install approved "do not cut/do not disturb" town conservation markers alon the conservation district boundaries. Furthermore, post & rail fence sections could be erected and maintained to aid in delineating the wetland buffer boundary as is typical on other accepted developments. If this recommendation is accepted by the Planning Board, details of the "do not cut/do not disturb" markers and post & rail fencing shall be added to the "General Notes and Legend" found on sheet 2 of 23 of the plan set.
- 5. It is recommended that the applicant shall not store any snow in or on the detention basin(s) during winter operations, to minimize salt pollution.

#### Discussion:

Mr. Cameron asked if the language should indicate that the "do not cut/do not disturb" markers should be placed all along the approved limits of clearing. Another large "unnamed" recent project was referenced where a number of trees were cut beyond the approved limits of clearing. It was indicated that the stipulations from the Conservation Commission should focus on the wetland buffer area impacts specifically, so the language in the stipulations was correct.

#### Vote:

The motion carried 4-0-0.

The Chairman called for a 5 minute recess.

After a brief recess, Mr. Cameron made a motion, seconded by Mr. Walter, to return to the regular order of business. The motion carried 4-0-0.

#### b. Hudson Hikers Volunteer Stewardship Program

Mr. Walter presented a display board that he made with various maps, trail information, trail history, and hiking-related items. He suggested giving a presentation at the Hudson Senior Center, adjacent to Benson Park, on a date to be determined. It was decided to try to hold this presentation on 4/8/2025, with 4/22/2025 as an alternate date. Kathy? was in attendance and suggested that the program could promote the Field Maps GIS mobile app and social media to try to engage with a younger demographic as well.

#### c. Gumpus Pond Bridge Update

Discussion on the need for coordination with Pelham Conservation Commission and Pelham Trails Committee. No response received to date but will follow up.

#### d. Open Space Report (2012) - Update Table 2, Page 13 (Prioritized list of properties)

Mr. Cameron mentioned that he had created a Google spreadsheet of potential properties to be conserved, based on the Hudson town GIS map, focusing on sizable properties that are either undeveloped or only partially developed. The list has been partially populated but will require additional time and effort to fully populate. It would also need to be updated according to the list from the Open Space Report and vice-versa. The prioritized list(s) should be updated to indicate which properties have been developed or approved for development and which have already been conserved.

#### III. Other Business

#### a. Trail Work Day for March and April

Dates: Sat 3/22 at 8am at Robinson Pond boat ramp, Sat 4/12 at 8am at Musquash Pond trailhead.

Work items: Fallen trees at Coburn, Kimball Hill Town Forest, Pelham Rd Town Forest, and at Robinson Pond; marking a potential new trail at the Tiger Rd property; re-blazing the recently marked trails in the eastern part of the Musquash property with the correct colors to correspond with the map colors.

#### IV. Financial Status

#### a. Current Report

No discussion to note.

#### V. Correspondence

#### a. Forest Society

Thank-you letter from Society for the Protection of NH Forests (Forest Society) for the recently received donation

#### b. NH Lakes Quarterly publication

#### c. Industrial Drive Park (Proposed)

Letter from the Town Engineer regarding a proposed park at the formerly contaminated town-owned site on Industrial Drive. Mr. Dhima read the letter and gave an overview of the site, along with its history and the proposed plan.

One parcel of the site is paved and is proposed to be used as a training area for truck drivers. Another adjacent parcel is a flat, grassy field, capped site of asbestos contamination so no activities or construction can occur on that parcel that penetrate the ground (digging, fence posts, foundations, etc.) but it is capped with a foot of soil and is completely safe as long as the ground is not penetrated by a foot or more. That parcel could be used in the future for a community garden with raised beds or another use that doesn't required digging into the ground. The third parcel abuts a small pond and wooded area and it is not contaminated. A conceptual plan was prepared for the third parcel that includes pickleball courts and a small a basketball court. In the future the plan would hopefully be expanded to include tennis courts, a splash pad, and other desired uses. This parcel could also include shade trees, and possibly bathrooms in the future, depending on need and available funding. It was mentioned that the site already has convenient access to town water and electricity. Warrant articles could potentially be used to fund incremental improvements to the park year by year.

#### d. Letter from Zookeeper

Mr. Dhima to ask if the zookeeper could attend the next meeting to provide overview of the ongoing work. Discussion on the assessment being performed of wildlife in the area. Mr. Dickinson mentioned projects being undertaken in surrounding communities such as parks and other recreational facilities.

#### VI. Approval of Minutes

a. Motion made by Mr. Dickinson, seconded by Mr. Walter, to accept the minutes from the 2/10/2025 meeting and the 2/12/2025 meeting. The motion carried 4-0-0.

#### VII. Chairman Comments

a. Discussion on the upcoming warrant article for the proposed Robinson Pond improvements.

#### VIII. Motion to Adjourn

**a.** Mr. Cameron made a motion, seconded by Mr. Dickinson, to adjourn the regular meeting at 9:36pm. The motion carried 4-0-0.

Next Regular Meeting: Monday, April 14, 2025 at 7:00 p.m.

Respectfully submitted,

Christopher Cameron, Clerk