

**Technical Review Committee Agenda  
January 4, 2022  
Safety Complex, Torrent Hall, 1 Scribner Rd  
1:00 pm**



**1. Application**

**Application #2021-020:** Three Special Permit applications have been submitted by Liberty Woods, LLC. for properties identified as Raymond Tax Map 21/ Lot 73,74, and 75 located on Green Road within Zone B. The applicant is proposing a minimum impact wetland crossing of the driveways for all three of these lots.

**2. Adjournment**



# Application for Special Permit

Town of Raymond, NH

## Site Information

Property Address: Lot 73 Green Rd

Map #: 21 Lot #: 73

## Property Owner Information

Name: Liberty Woods LLC Phone: 644-2400

Address: PO Box 299 Candia NH 03034

Address: \_\_\_\_\_

## Applicant/Agent Information

Name: Liberty Woods LLC Phone: 644-2400

Address: PO Box 299 Candia NH 03034

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## Project Description

Construct a driveway entrance to access  
usable uplands impacting associated  
buffers.

\_\_\_\_\_

\_\_\_\_\_

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Applicant Signature\* (see page 2):  Date: 11/3/21

**NOTES**

- 1) THE PURPOSE OF THIS PLAN IS TO DEPICT THE EXISTING LOT CONDITIONS AND PROPOSED DRIVEWAY & LOT LAYOUT OF MAP 21 LOT 73, LOCATED ON GREEN ROAD IN RAYMOND, NEW HAMPSHIRE.
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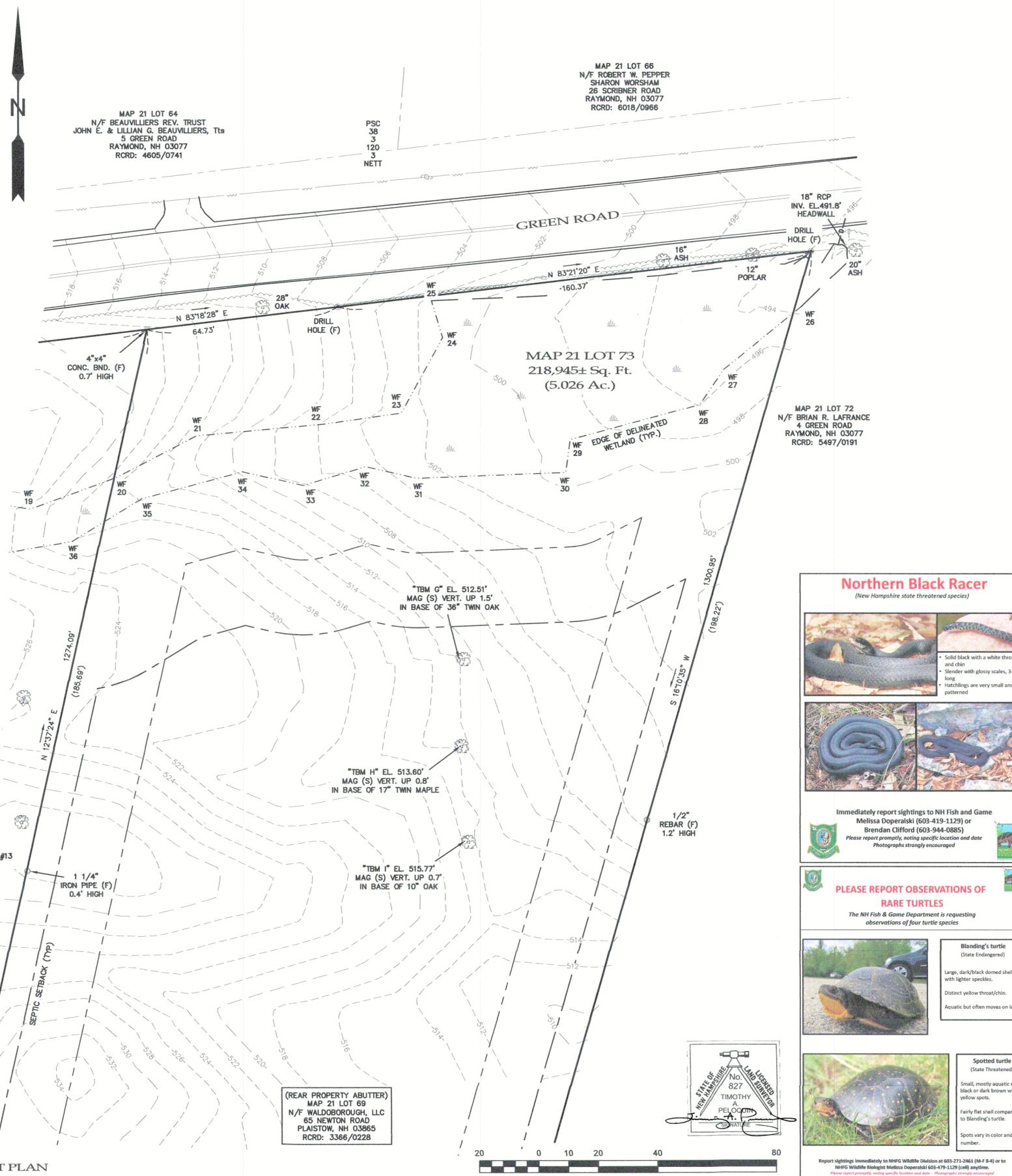
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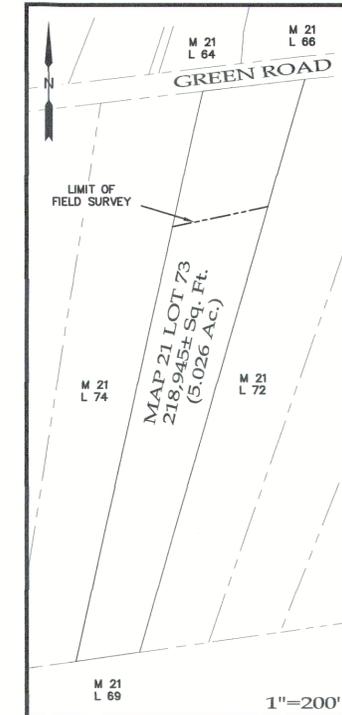
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  - FRONTAGE: 200'
  - SETBACKS:
    - FRONT - 30'
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**BOUNDARY OVERVIEW**



- NRCS:
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  - 140D - CHATFIELD-HOLLIS-CANTON COMPLEX, 15% - 35% SLOPES, ROCKY = 60.2%
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SHEET 2	PROPOSED DRIVEWAY CROSSING & LOT LAYOUT PLAN

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*(New Hampshire state threatened species)*



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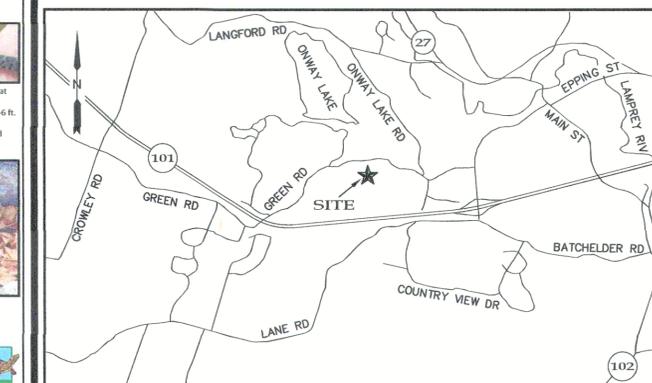
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**PREPARED FOR:**  
LIBERTY WOODS, LLC  
724 E. INDUSTRIAL PARK DR. #13  
MANCHESTER, NH 03109

**SITE LOCATION:**  
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GREEN ROAD  
RAYMOND, NEW HAMPSHIRE

SCALE: 1"=20' SHEET 1 OF 2

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**CONSTRUCTION SEQUENCE**

- 1) CONTACT DIGSAFE (811) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY.
- 2) CUT AND CLEAR TREES AND BRUSH AS NECESSARY WITHIN TEMPORARY IMPACT LIMITS SHOWN ON PLAN.
- 3) INSTALL ALL APPLICABLE TEMPORARY EROSION CONTROL MEASURES PRIOR TO COMMENCEMENT OF ANY EARTHMOVING OPERATIONS.
- 4) REMOVE AND PROPERLY DISPOSE OF STUMPS AND SIMILAR ORGANIC DEBRIS PRIOR TO SITE GRADING. (NATIVE ORGANIC SOILS THAT ARE SUITABLE FOR REUSE SHALL BE STOCKPILED, TEMPORARILY SEEDED, AND SURROUNDED BY TEMPORARY CONTROLS TO PREVENT EROSION)
- 5) ADD AND GRADE APPROPRIATE BEDDING MATERIAL, USING PROPER COMPACTION METHODS.
- 6) SET AND CONSTRUCT THE DESIGNED (OR EQUIVALENT) DRAINAGE STRUCTURES. CULVERTS SHALL BE 30" REINFORCED CONCRETE AND SHALL HAVE ± 2" OF COVER AT FINISH GRADE.
- 7) BEGIN THE CONSTRUCTION AND GRADING OF GRAVEL AND CRUSHED GRAVEL COURSES OVER PROPOSED DRIVEWAY AND COMPACT IN SPECIFIED LIFT THICKNESS AND COMPACTION RATES PER LOCAL REGULATIONS.
- 8) COMPLETE GRADING ACTIVITIES—INCLUDING RETAINING WALLS, DRIVEWAY, AND FINISH GRADING, USING THE STOCKPILED TOPSOIL.
- 9) FINE GRADE ALL SURFACE AREAS AND COMPLETE PERMANENT SEEDING AND LANDSCAPING WITH NATIVE, NON-INVASIVE SPECIES. NO PLANTINGS SPECIES SHALL BE FOUND ON THE NHDES, NHFG, USDA, OR USFWS PROHIBITED SPECIES LISTS. ALL AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.
- 10) REMOVE ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS, AND ANY ADDITIONAL TEMPORARY MEASURES LISTED ABOVE.

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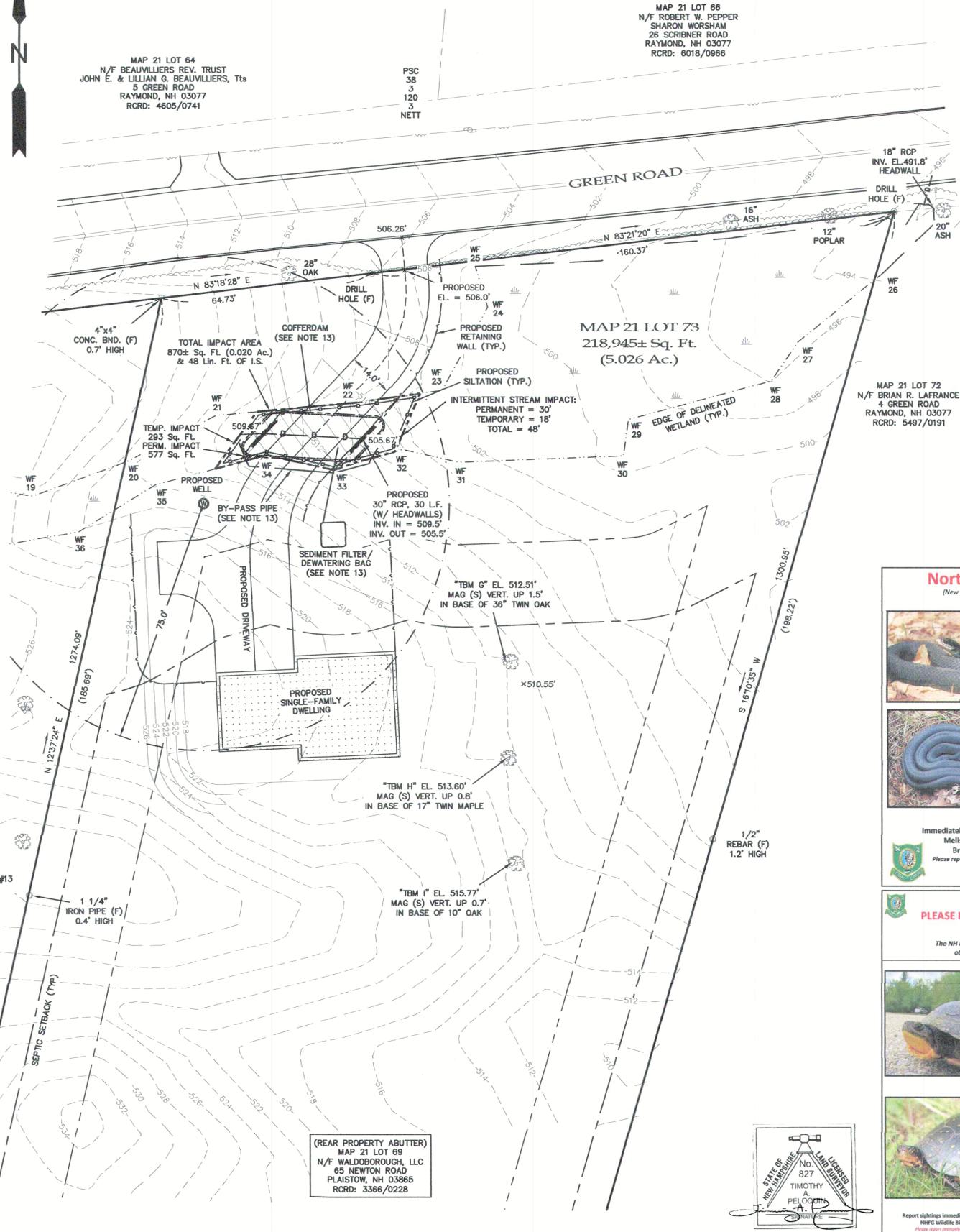
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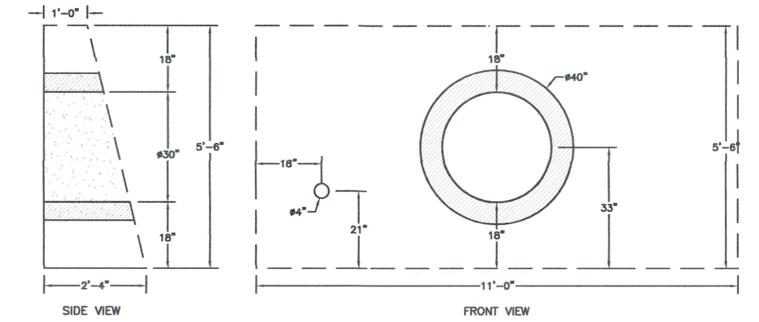
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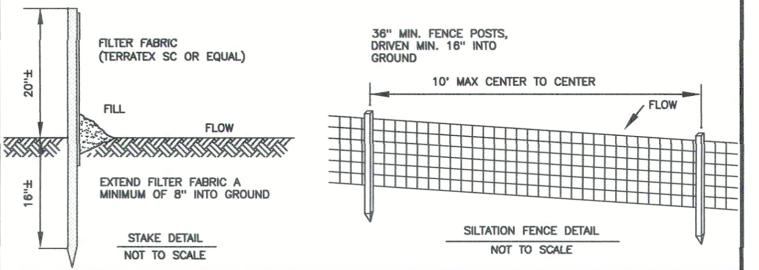


**TYPICAL HEADWALL DETAIL**



**EROSION CONTROLS**

- 1) SILT FENCE SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.
- 2) ALL DISTURBED AREAS AND SIDE SLOPES WHICH ARE AT FINISH GRADE WITH NO FURTHER CONSTRUCTION TO TAKE PLACE SHALL BE LOAMED AND SEEDED.
- 3) ALL EROSION CONTROL PROCEDURES SHALL CONFORM TO THE "STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS IN NEW HAMPSHIRE".
- 4) AVOID THE USE OF WELDED PLASTIC OR 'BIODEGRADABLE PLASTIC' NETTING OR THREAD (E.G. POLYPROPYLENE) IN EROSION CONTROL MATTING. USE EROSION CONTROL BERM, WHITE FILTREXX DEGRADABLE WOVEN SILT SOCK, OR SEVERAL AVAILABLE 'WILDLIFE FRIENDLY' OPTIONS SUCH AS WOVEN ORGANIC MATERIAL (E.G. COCO OR JUTE MATTING SUCH AS NORTH AMERICAN GREEN SC1508N OR EQUIVALENT).



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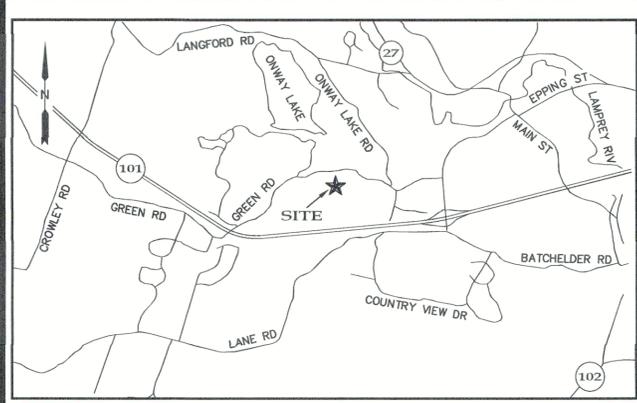
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PREPARED FOR:  
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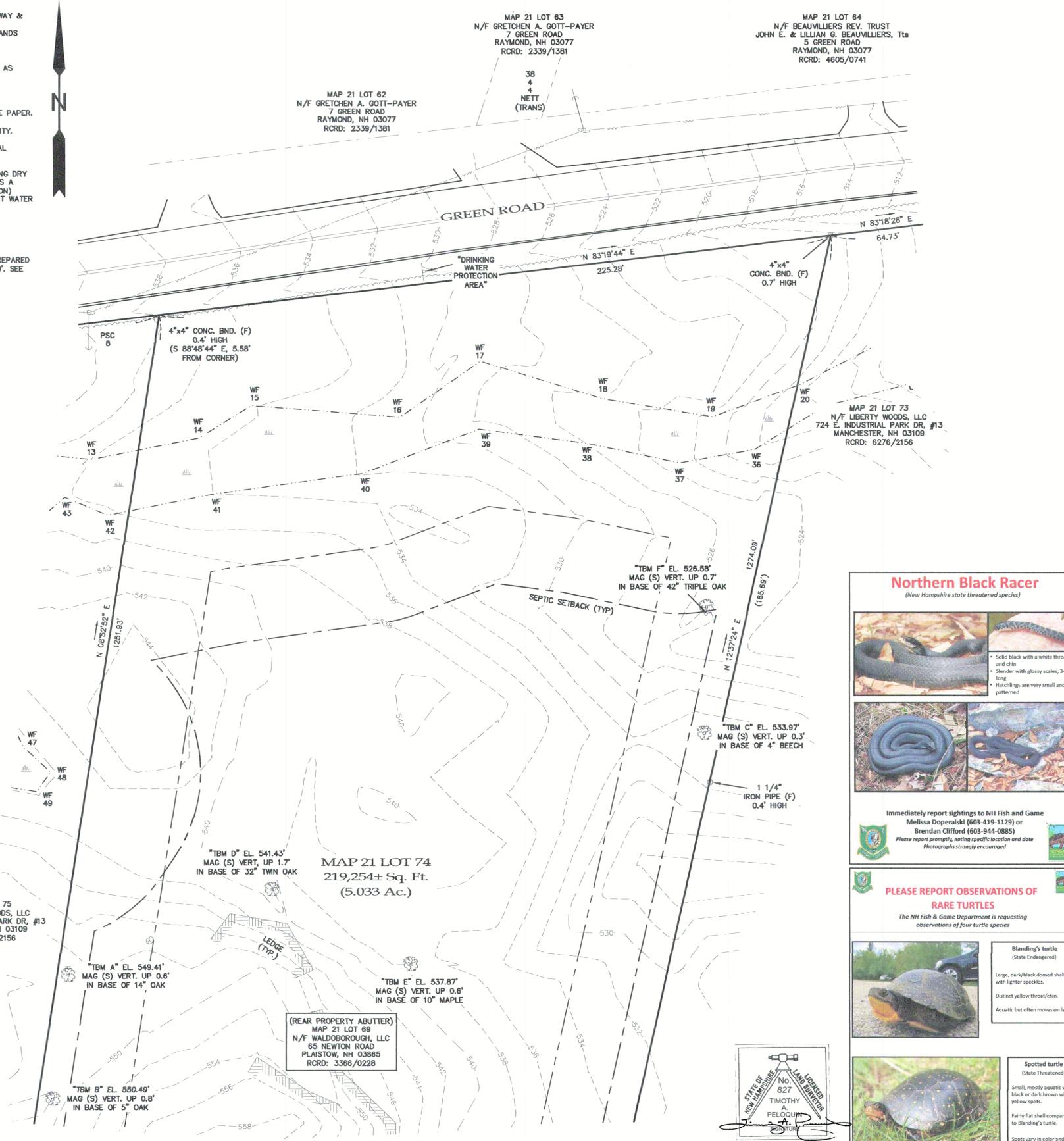
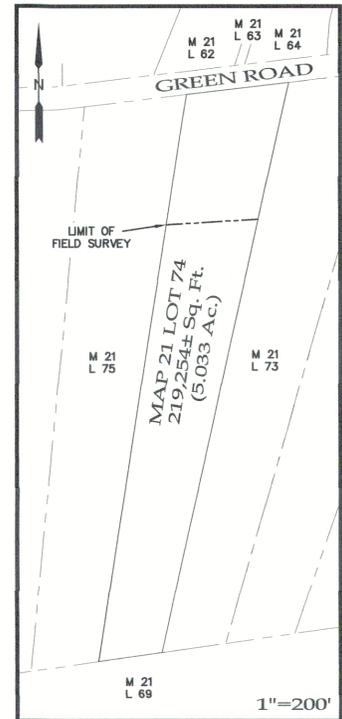
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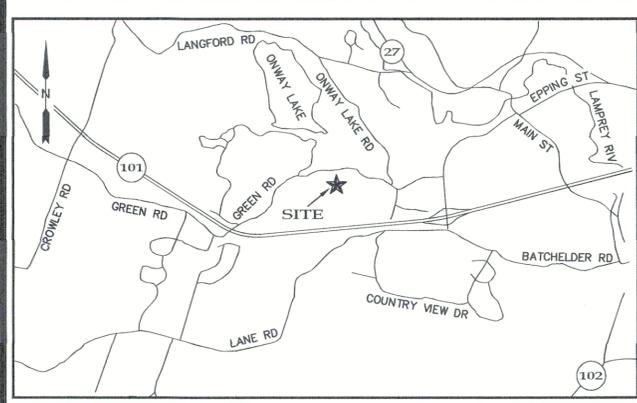
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- 8) THIS PLAN IS INTENDED TO BE AT THE DEPICTED SCALE WHEN PLOTTED ON 22x34 (ANSI D) SIZE PAPER.
- 9) ALL DISTANCES, UNLESS OTHERWISE INDICATED, ARE US SURVEY FEET HORIZONTAL DISTANCES.
- 10) ALL ZONING INFORMATION SHALL BE VERIFIED PRIOR TO ANY BUILDING OR CONSTRUCTION ACTIVITY.
- 11) THE PROPOSED DWELLING LAYOUT DEPICTED HEREON IS APPROXIMATE. ONCE A MINIMUM IMPACT WETLANDS IMPACT PERMIT IS OBTAINED, TEST PITS WILL BE PERFORMED TO DETERMINE THE FINAL DESIGN AND GRADING OF THE DWELLING AND ISDS.
- 12) THE INTERMITTENT STREAM'S CONTRIBUTING WATERSHED IS APPROXIMATELY 25 ACRES.
- 13) IT IS RECOMMENDED THAT THE CONSTRUCTION FOR THE MINIMUM WETLAND IMPACT OCCUR DURING DRY OR NO FLOW TIMES. IF CONSTRUCTION OCCURS IN FLOWING WATER, APPROPRIATE BMPs SUCH AS A TEMPORARY BY-PASS PIPE, COFFERDAM, & DE-WATERING OF THE WORK AREA (DEPICTED HEREON) MUST BE UTILIZED TO MAINTAIN NORMAL WATER FLOWS DURING CONSTRUCTION, AND TO PREVENT WATER QUALITY DEGRADATION.
- 14) NO EROSION CONTROLS SHALL BE INSTALLED ACROSS STREAM CHANNELS.

**CONSTRUCTION SEQUENCE**

- 1) CONTACT DIGSAFE (811) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY.
- 2) CUT AND CLEAR TREES AND BRUSH AS NECESSARY WITHIN TEMPORARY IMPACT LIMITS SHOWN ON PLAN.
- 3) INSTALL ALL APPLICABLE TEMPORARY EROSION CONTROL MEASURES PRIOR TO COMMENCEMENT OF ANY EARTHMOVING OPERATIONS.
- 4) REMOVE AND PROPERLY DISPOSE OF STUMPS AND SIMILAR ORGANIC DEBRIS PRIOR TO SITE GRADING. (NATIVE ORGANIC SOILS THAT ARE SUITABLE FOR REUSE SHALL BE STOCKPILED, TEMPORARILY SEEDED, AND SURROUNDED BY TEMPORARY CONTROLS TO PREVENT EROSION)
- 5) ADD AND GRADE APPROPRIATE BEDDING MATERIAL, USING PROPER COMPACTION METHODS.
- 6) SET AND CONSTRUCT THE DESIGNED (OR EQUIVALENT) DRAINAGE STRUCTURES. CULVERTS SHALL BE 30" REINFORCED CONCRETE AND SHALL HAVE  $\pm 2$ " OF COVER AT FINISH GRADE.
- 7) BEGIN THE CONSTRUCTION AND GRADING OF GRAVEL AND CRUSHED GRAVEL COURSES OVER PROPOSED DRIVEWAY AND COMPACT IN SPECIFIED LIFT THICKNESS AND COMPACTION RATES PER LOCAL REGULATIONS.
- 8) COMPLETE GRADING ACTIVITIES—INCLUDING RETAINING WALLS, DRIVEWAY, AND FINISH GRADING, USING THE STOCKPILED TOPSOIL.
- 9) FINE GRADE ALL SURFACE AREAS AND COMPLETE PERMANENT SEEDING AND LANDSCAPING WITH NATIVE, NON-INVASIVE SPECIES. NO PLANTINGS SPECIES SHALL BE FOUND ON THE NHDES, NHFG, USDA, OR USFWS PROHIBITED SPECIES LISTS. ALL AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.
- 10) REMOVE ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS, AND ANY ADDITIONAL TEMPORARY MEASURES LISTED ABOVE.

**WETLAND NOTE:**

- THE LIMITS OF JURISDICTIONAL WETLANDS, AS SHOWN ON THIS PLAN, WERE DELINEATED BY GOVE ENVIRONMENTAL SERVICES, INC., IN ACCORDANCE WITH:
1. US ARMY CORPS OF ENGINEERS REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, TECHNICAL REPORT ERC/JEL TR-12-1, JANUARY, 2012, VERSION 2.0.
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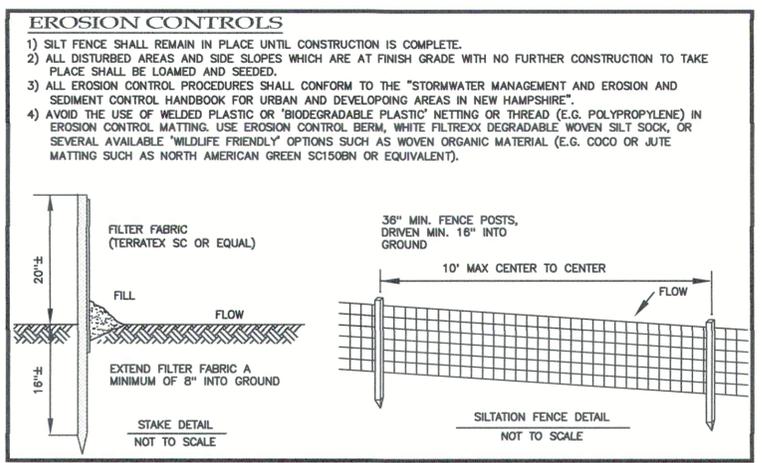
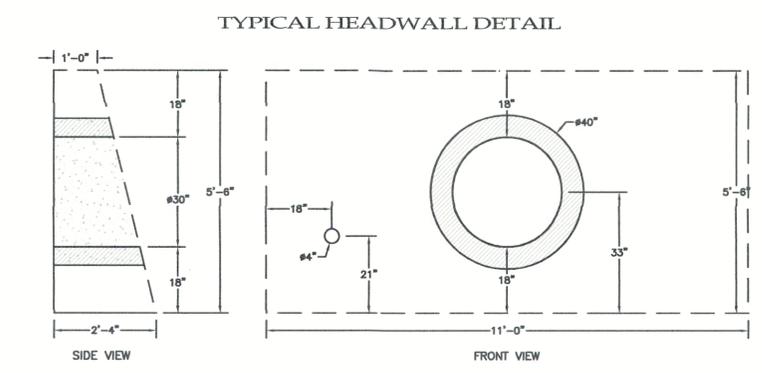
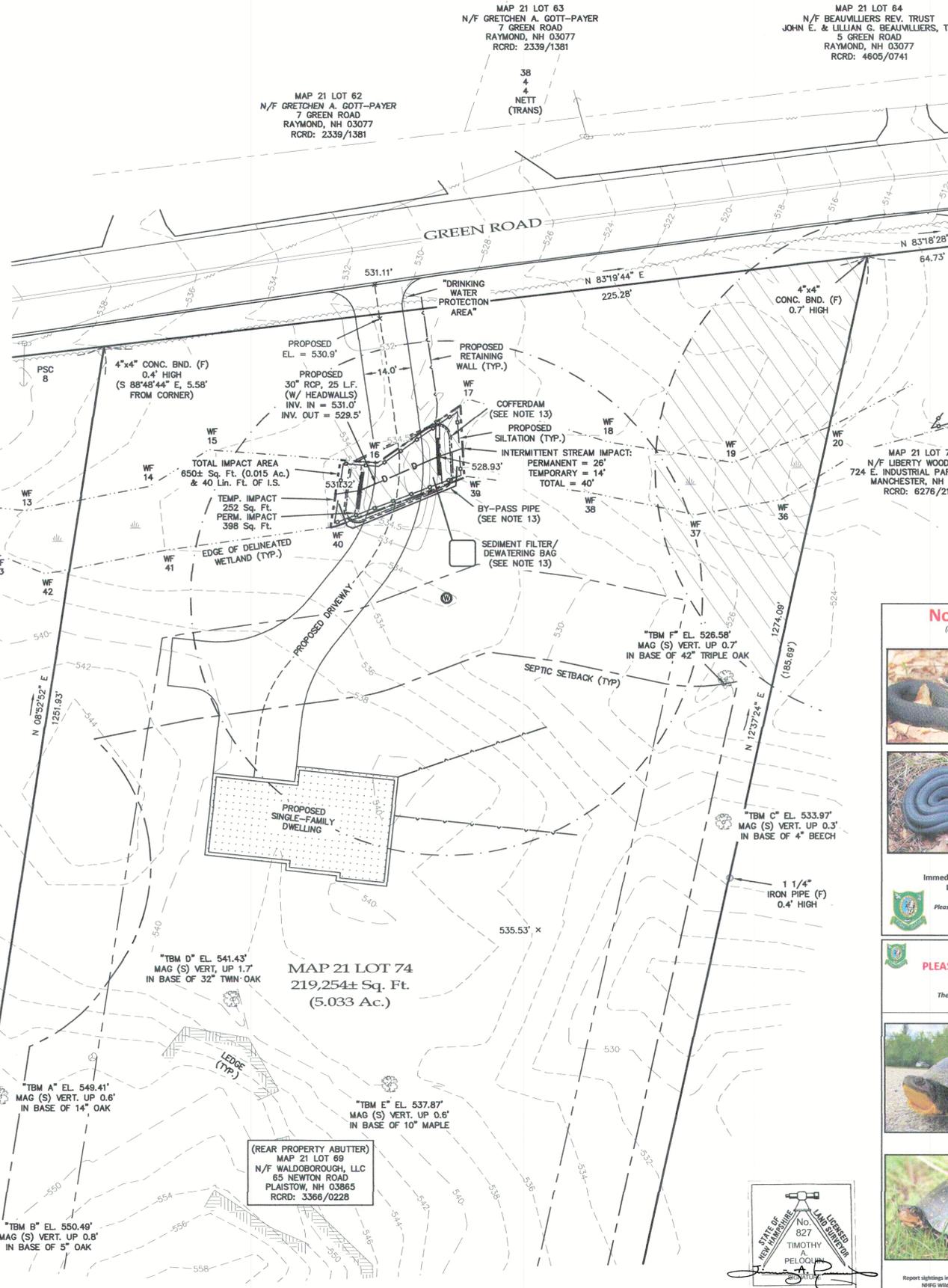
**ZONING**

R (AGRICULTURAL/RESIDENTIAL DISTRICT) MINIMUM:  
 AREA: 87,120 Sq. Ft. (2.0 Ac.)  
 FRONTAGE: 200'  
 SETBACKS:  
 FRONT - 30'  
 SIDE - 30'  
 REAR - 30'  
 WETLANDS - 25'

**PLAN OF REFERENCE**

1) "SUBDIVISION PLAN 'RATTLESNAKE HILL,' RAYMOND, N.H.," PREPARED FOR: WILLIAM RODONIS; PREPARED BY: ALLAN H. SWANSON, INC. - LAND SURVEYORS; DATED: OCTOBER 18, 1976; SCALE: 1"=200'. SEE ROCKINGHAM COUNTY REGISTRY OF DEEDS (RCRD) PLAN No. D-8614.

NRCS:  
 140C - CHATFIELD-HOLLIS-CANTON COMPLEX, 8% - 15% SLOPES, ROCKY = 27.2%  
 140D - CHATFIELD-HOLLIS-CANTON COMPLEX, 15% - 35% SLOPES, ROCKY = 64.1%  
 547B - WALPOLE VERY FINE SANDY LOAM, 3% - 8% SLOPES, VERY STONY = 8.7%



**Northern Black Racer**  
*(New Hampshire state threatened species)*

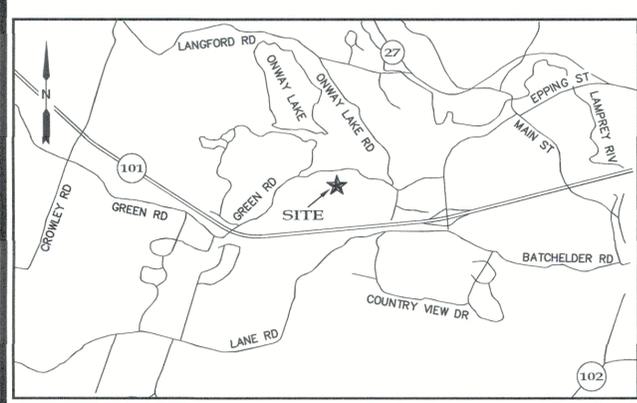
- Solid black with a white throat and chin
- Slender with glossy scales, 3-6 ft. long
- Hatchlings are very small and patterned

Immediately report sightings to NH Fish and Game  
 Melissa Doperalski (603-419-1129) or  
 Brendan Clifford (603-944-0885)  
 Please report promptly, noting specific location and date. Photographs strongly encouraged.

**PLEASE REPORT OBSERVATIONS OF RARE TURTLES**  
 The NH Fish & Game Department is requesting observations of four turtle species

- Blanding's turtle (State Endangered):** Large, dark/black domed shell with lighter speckles. Distinct yellow throat/chin. Aquatic but often moves on land.
- Spotted turtle (State Threatened):** Small, mostly aquatic with black or dark brown with yellow spots. Fairly flat shell compared to Blanding's turtle. Spots vary in color and number.

Report sightings immediately to NH Fish & Game Division at 603-271-2463 (NH F-8) or to NH Fish & Game Division at 603-475-1129 (cell) anytime.  
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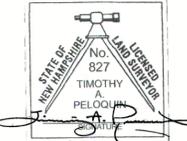
PROPOSED DRIVEWAY CROSSING & LOT LAYOUT PLAN  
 DATE: SEPTEMBER 02, 2021

PREPARED FOR:  
 LIBERTY WOODS, LLC  
 724 E. INDUSTRIAL PARK DR. #13  
 MANCHESTER, NH 03109

SITE LOCATION:  
 MAP 21 LOT 74  
 GREEN ROAD  
 RAYMOND, NEW HAMPSHIRE

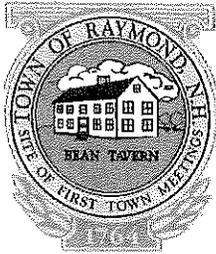
SCALE: 1"=20' SHEET 2 OF 2

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REV.	DATE	DESCRIPTION	BY

PLS JOB# 3150



# Application for Special Permit

Town of Raymond, NH

## Site Information

Property Address: Lot 75 Green Rd

Map #: 21 Lot #: 75

## Property Owner Information

Name: Liberty Woods LLC Phone: 644 2400

Address: PO Box 299 Candia NH 03034

Address: \_\_\_\_\_

## Applicant/Agent Information

Name: Liberty Woods LLC Phone: \_\_\_\_\_

Address: PO Box 299 Candia NH 03034

Address: \_\_\_\_\_

## Project Description

Construct a driveway entrance to access  
usable uplands impacting associated  
buffer

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Applicant Signature\* (see page 2):  Date: 11/3/21

**NOTES**

- 1) THE PURPOSE OF THIS PLAN IS TO DEPICT THE EXISTING LOT CONDITIONS AND PROPOSED DRIVEWAY AND LOT LAYOUT OF MAP 21 LOT 75, LOCATED ON GREEN ROAD IN RAYMOND, NEW HAMPSHIRE.
- 2) THIS PLAN IS INTENDED TO BE SUBMITTED IN SUPPORT OF AN EXPEDITED MINIMUM IMPACT WETLANDS PERMIT FOR THE DRIVEWAY CROSSINGS ON MAP 21 LOT 75.
- 3) THIS PARCEL OF LAND (MAP 21 LOT 75) IS AN EXISTING LOT OF RECORD.
- 4) THIS PLAN IS BASED ON FIELD EVIDENCE LAST OBSERVED IN JUNE OF 2021.
- 5) THIS PARCEL OF LAND (MAP 21 LOT 75) DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS INTERPOLATED FROM THE FLOOD INSURANCE RATE MAP (FIRM) FOR ROCKINGHAM COUNTY, NEW HAMPSHIRE (ALL JURISDICTIONS) #3301500190E, HAVING AN EFFECTIVE DATE OF MAY 17, 2005.
- 6) THE SUBJECT LOT WILL BE SERVICED BY PRIVATE, ONSITE SEPTIC AND WELL.
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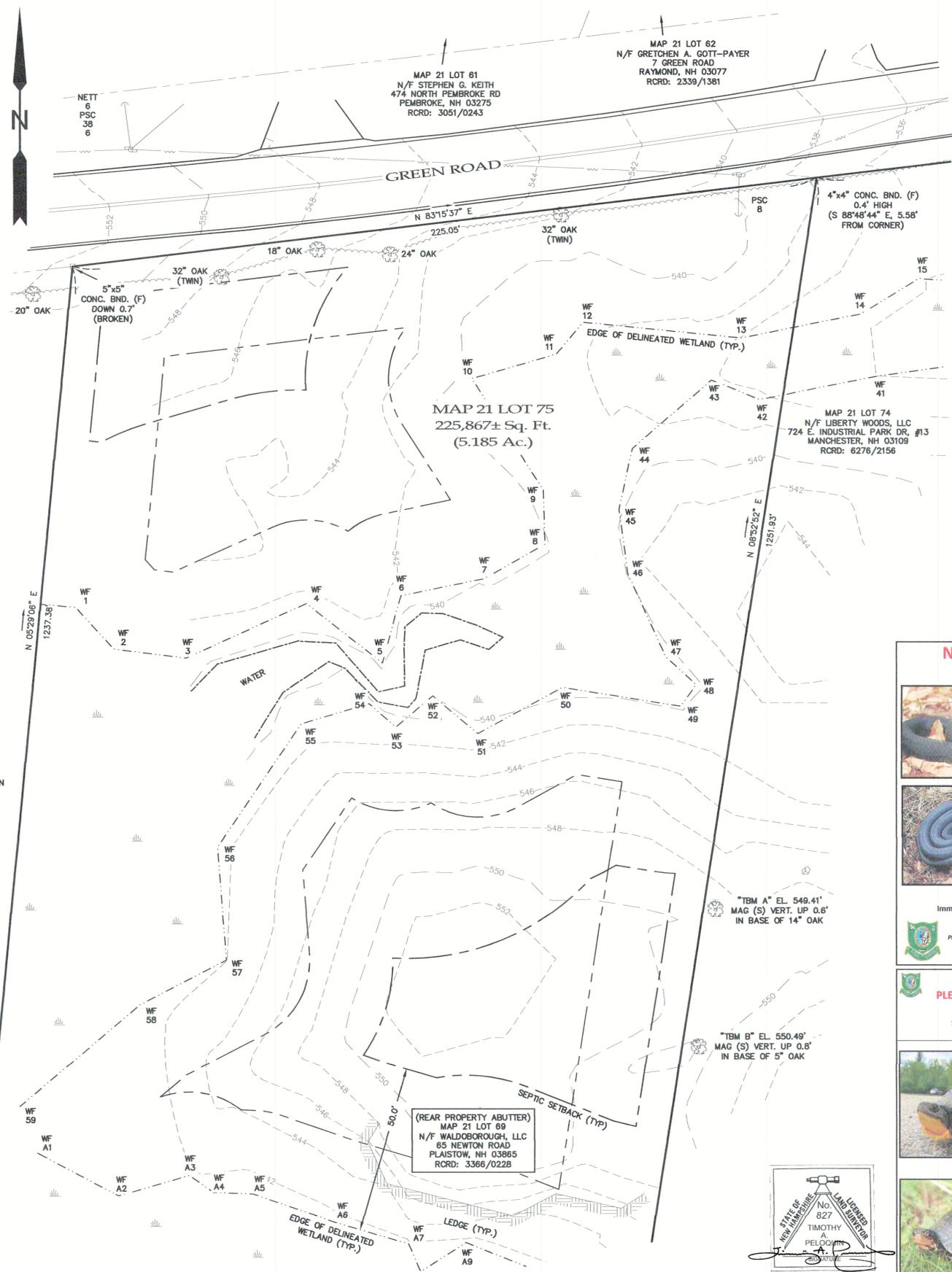
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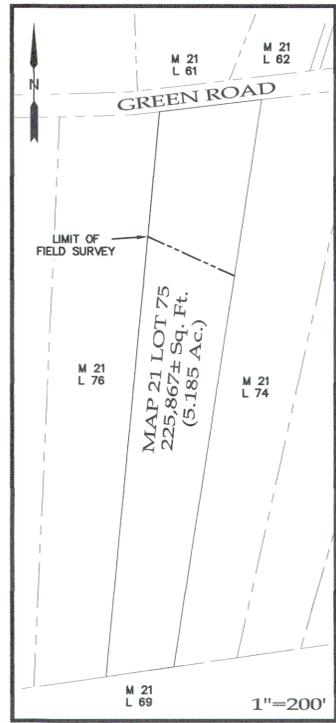
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**ZONING**

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  - FRONTAGE: 200'
  - SETBACKS:
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    - SIDE - 30'
    - REAR - 30'
    - WETLANDS - 25'



**BOUNDARY OVERVIEW**



- NRCS:
- 140C - CHATFIELD-HOLLIS-CANTON COMPLEX, 8% - 15% SLOPES, ROCKY = 13.8%
  - 140D - CHATFIELD-HOLLIS-CANTON COMPLEX, 15% - 35% SLOPES, ROCKY = 70.2%
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**Northern Black Racer**  
*(New Hampshire state threatened species)*

- Solid black with a white throat and chin
- Slender with glossy scales, 3-6 ft. long
- Hatchlings are very small and patterned

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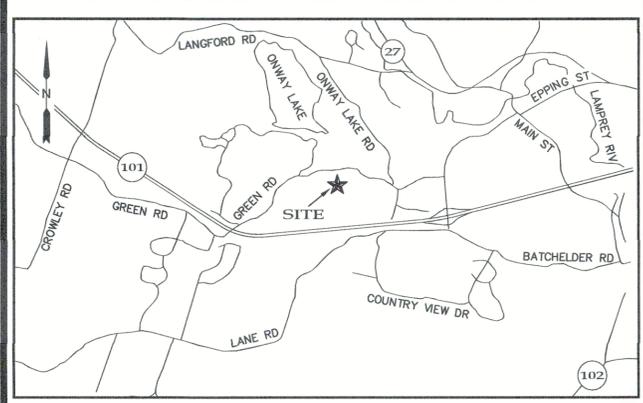
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*The NH Fish & Game Department is requesting observations of four turtle species*

**Blanding's turtle**  
(State Endangered)  
Large, dark/black domed shell with lighter speckles.  
Distinct yellow throat/chin.  
Aquatic but often moves on land.

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(State Threatened)  
Small, mostly aquatic with black or dark brown with yellow spots.  
Fairly flat shell compared to Blanding's turtle.  
Spots vary in color and number.

Report sightings immediately to NH Fish & Game Division at 603-271-2461 (MF 8-4) or to NH Fish & Game Biologist Melissa Doperalski 603-419-1129 (cell) weekdays.  
Please report promptly, noting specific location and date - Photographs strongly encouraged



EXISTING CONDITIONS PLAN  
DATE: SEPTEMBER 02, 2021

PREPARED FOR:  
LIBERTY WOODS, LLC  
724 E. INDUSTRIAL PARK DR. #13  
MANCHESTER, NH 03109

SITE LOCATION:  
MAP 21 LOT 75  
GREEN ROAD  
RAYMOND, NEW HAMPSHIRE

SCALE: 1"=20'  
SHEET 1 OF 2

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Land Surveying • Mapping • Planning • Permitting • Layout



**SHEET INDEX**

SHEET 1	EXISTING CONDITIONS PLAN
SHEET 2	PROPOSED DRIVEWAY CROSSING & LOT LAYOUT PLAN

REV.	DATE	DESCRIPTION	BY

PLS JOB# 3150

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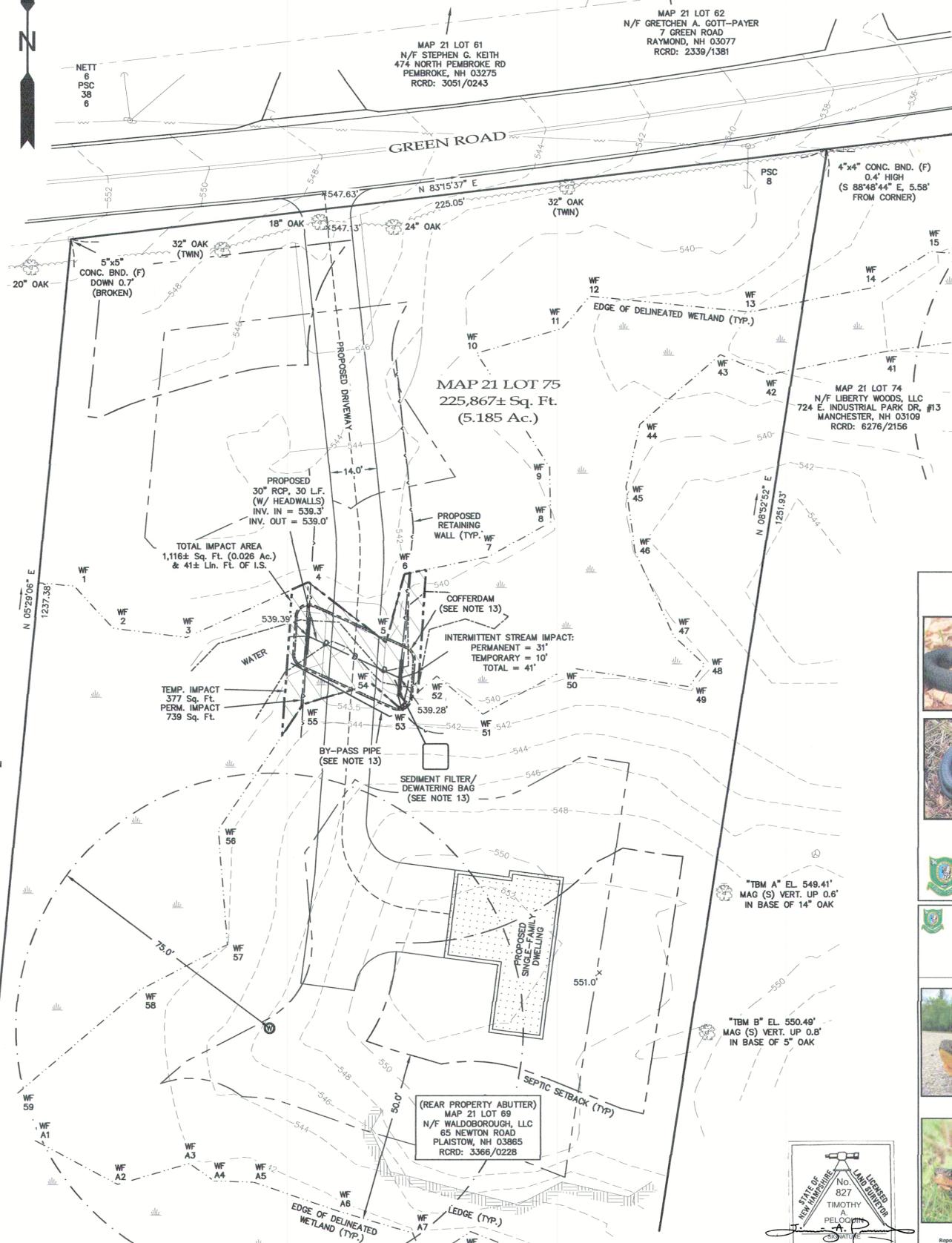
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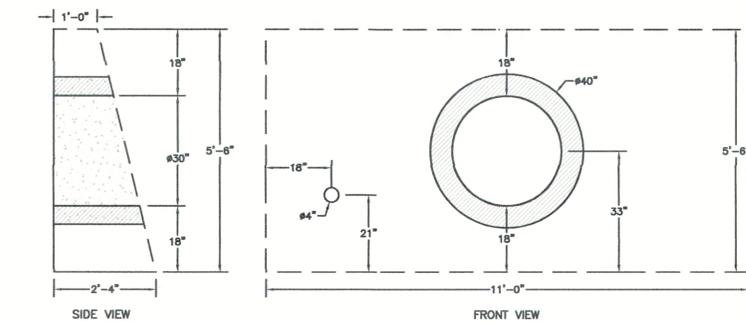
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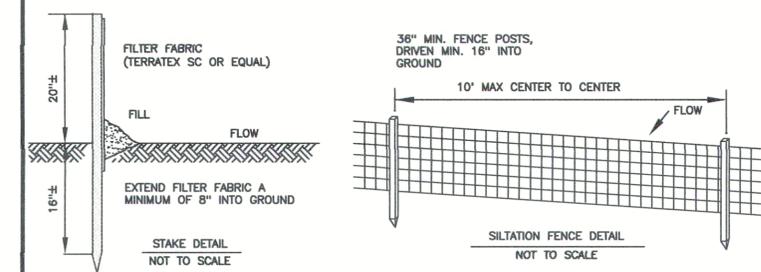


**TYPICAL HEADWALL DETAIL**



**EROSION CONTROLS**

- 1) SILT FENCE SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.
- 2) ALL DISTURBED AREAS AND SIDE SLOPES WHICH ARE AT FINISH GRADE WITH NO FURTHER CONSTRUCTION TO TAKE PLACE SHALL BE LOAMED AND SEEDED.
- 3) ALL EROSION CONTROL PROCEDURES SHALL CONFORM TO THE "STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS IN NEW HAMPSHIRE".
- 4) AVOID THE USE OF WELDED PLASTIC OR "BIODEGRADABLE PLASTIC" NETTING OR THREAD (E.G. POLYPROPYLENE) IN EROSION CONTROL MATTING. USE EROSION CONTROL BERM, WHITE FILTREXX DEGRADABLE WOVEN SILT SOCK, OR SEVERAL AVAILABLE "WILDLIFE FRIENDLY" OPTIONS SUCH AS WOVEN ORGANIC MATERIAL (E.G. COCO OR JUTE MATTING SUCH AS NORTH AMERICAN GREEN SCI506N OR EQUIVALENT).



**Northern Black Racer**

(New Hampshire state threatened species)



- Solid black with a white throat and chin
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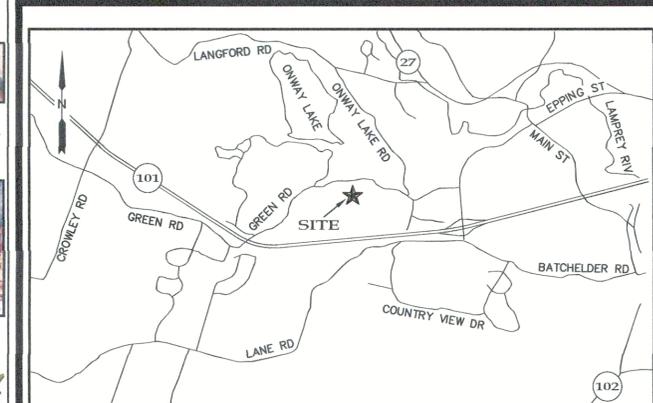


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PROPOSED DRIVEWAY CROSSING & LOT LAYOUT PLAN  
 DATE: SEPTEMBER 02, 2021

**PREPARED FOR:**

LIBERTY WOODS, LLC  
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**SITE LOCATION:**

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SCALE: 1"=20'

SHEET 2 OF 2

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REV.	DATE	DESCRIPTION	BY



According to Zoning Ordinance 4.9.6.2 in Granting a Special Permit, the Planning Board shall ensure that specific standards have been met. Below are the following standards with an explanation of how the standard is upheld:

4.9.6.2.1 A New Hampshire licensed civil engineer, or other appropriate New Hampshire licensed professional, shall provide a review of the design and construction methods for the proposed use.

The wetland application and plan were prepared in concerted effort by Promise Land Survey (L.L.S) and The Dubway (P.E.) and Gove Environmental (wetland scientist).

4.9.6.2.2 The Raymond Conservation Commission has reviewed and provided comments on the proposed use.

The conservation commission completed a site walk of the property and prepared a letter for both the DFS application as well as the planning board.

4.9.6.2.3 Depending on the size of the proposed use and its impact, as determined by the Planning Board, the applicant may be required to prepare an Erosion Control Plan in order to minimize all detrimental impacts to wetland and shoreland resulting from the proposed use during and after construction.

As part of the wetland application a construction sequence was noted and proper erosion control methods were illustrated to show proper BMP's for the scope of work. In addition, we implement proper building practices of installing silt fence on down hill gradients of disturbed areas when in sensitive situations.

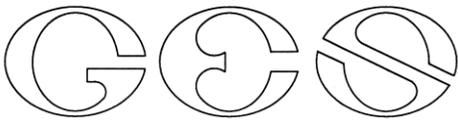
4.9.6.2.4 The applicant shall maintain the site as nearly as practical and possible to its original grade shape and appearance.

Crossings were designed to work with the existing topography and this minimize any cuts and fills in excess of what's necessary to provide the least impact as practicable in accordance with DES regs.

4.9.6.2.5 In accordance with NH RSA 676:4I(g) the applicant shall be responsible for the costs of any outside technical assistance that the Planning Board requires as part of its review of the proposed use.

An escrow was established at time of application in accordance with this regulation.

Applicant Signature\*  Date: 11/29/21



GOVE ENVIRONMENTAL SERVICES, INC.

December 14, 2021

Keith Martel  
Liberty Woods, LLC  
724 E. Industrial Park Dr. #13  
Manchester, NH 03109

Re: Green Road, Raymond  
Subject: Intermittent Stream Assessment

Dear Mr. Martel:

Per your request I have reviewed the Town of Raymond ordinance as it applies to the Shoreland Protection District below and how it applies to the intermittent stream on site proposed for crossing for access to the uplands.

4.9.3. DISTRICT BOUNDARIES: The Conservation District is an Overlay District and is hereby defined as: 4.9.3.1. SHORELAND PROTECTION AREA: Is any area of land within seventy-five (75) feet of the seasonal high-water mark of any river, brook, stream, pond or lake as shown on the Water Resource Management Plan (3/2009). Also includes any area of land within seventy-five (75) feet of the high-water mark of any river, brook, stream, pond, or lake having flowing or standing water for six (6) months of the year not included in Water Resource Management Plan (3/2009).

I do not believe this stream falls under this ordinance for the following reasons and what is proposed is the least impacting alternative for the site based on the following:

- 1.The above-referenced stream does not appear on the Water Resource Management Plan (3/2009).
- 2.The reference for the setback of 75-feet from the high-water mark of any brook, stream, etc. having flowing or standing water for 6-months out of the years does not follow the USACE, or NHDES Wetlands Bureau definition of an intermittent stream which are:

USACE: Intermittent stream: An intermittent stream has flowing water during certain times of the year, when groundwater provides water for stream flow. During dry periods, intermittent streams may not have flowing water. Runoff from rainfall is a supplemental source of water for stream flow

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*info@gesinc.biz*

NHDES Wetlands Bureau: Env-Wt 103.21 “Intermittent stream” means a watercourse that is fed by groundwater but is not in the groundwater table throughout the year, where runoff from rainfall and snowmelt is a supplemental source of water for flow, such that the stream typically does not have flowing water during dry portions of the year.

3. Additionally, NHDES Wetlands Bureau requires an applicant to demonstrate the least impacting alternative for any wetland crossing or development project. For this project, especially lot 75. If a project can reasonably be developed in a portion of a lot, with lesser wetland impacts, that is the least impacting alternative. For lot 75 to cross a wetland twice to get to buildable uplands on that lot, would not be the least impacting alternative per NHDES rules.

Please let me know if you have any questions or need anything else.

Sincerely,



Luke Hurley, CWS, CSS  
Vice President  
Gove Environmental |Inc.





**STANDARD DREDGE AND FILL  
WETLANDS PERMIT APPLICATION**  
Water Division/Land Resources Management  
Wetlands Bureau



Check the Status of your Application

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

**APPLICANT'S NAME:** Liberty Woods, LLC

**TOWN NAME:** Raymond

Administrative Use Only	Administrative Use Only	Administrative Use Only	File No.:
			Check No.:
			Amount:
			Initials:

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

**SECTION 1 - REQUIRED PLANNING FOR ALL PROJECTS (Env-Wt 306.05; RSA 482-A:3, I(d)(2))**

Please use the Wetland Permit Planning Tool (WPPT), the Natural Heritage Bureau (NHB) DataCheck Tool, the Aquatic Restoration Mapper, or other sources to assist in identifying key features such as: priority resource areas (PRAs), protected species or habitats, coastal areas, designated rivers, or designated prime wetlands.

Has the required planning been completed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Does the property contain a PRA? If yes, provide the following information:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> <li>Does the project qualify for an Impact Classification Adjustment (e.g. NH Fish and Game Department (NHF&amp;G) and NHB agreement for a classification downgrade) or a Project-Type Exception (e.g. Maintenance or Statutory Permit-by-Notification (SPN) project)? See Env-Wt 407.02 and Env-Wt 407.04.</li> </ul>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> <li>Protected species or habitat?                             <ul style="list-style-type: none"> <li>If yes, species or habitat name(s):</li> <li>NHB Project ID #: NHB21-2781</li> </ul> </li> </ul>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> <li>Bog?</li> </ul>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> <li>Floodplain wetland contiguous to a tier 3 or higher watercourse?</li> </ul>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> <li>Designated prime wetland or duly-established 100-foot buffer?</li> </ul>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> <li>Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone?</li> </ul>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the property within a Designated River corridor? If yes, provide the following information:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> <li>Name of Local River Management Advisory Committee (LAC):</li> <li>A copy of the application was sent to the LAC on Month:      Day:      Year:</li> </ul>	

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For dredging projects, is the subject property contaminated? • If yes, list contaminant:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there potential to impact impaired waters, class A waters, or outstanding resource waters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
For stream crossing projects, provide watershed size (see <u>WPPT</u> or Stream Stats):	

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

Provide a **brief** description of the project and the purpose of the project, outlining the scope of work to be performed and whether impacts are temporary or permanent. DO NOT reply "See attached"; please use the space provided below.

The applicant is proposing a single wetland crossing of a tier 1 intermittent stream to gain access to the buildable upland to construct a single family residential dwelling on an existing lot of record. The crossing will have 870 SF of wetland impact and 48 LF of intermittent stream impact. The crossing will have a 30 inch RCP culvert installed to maintain hydrologic connectivity.

**SECTION 3 - PROJECT LOCATION**

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

ADDRESS: Green Road
TOWN/CITY: Raymond
TAX MAP/BLOCK/LOT/UNIT: Map 21 / Lot 73
US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME: <input type="checkbox"/> N/A
(Optional) LATITUDE/LONGITUDE in decimal degrees (to five decimal places):
43.029592° North
-71.212640° West

<b>SECTION 4 - APPLICANT (DESIRED PERMIT HOLDER) INFORMATION (Env-Wt 311.04(a))</b>		
If the applicant is a trust or a company, then complete with the trust or company information.		
NAME: Liberty Woods, LLC		
MAILING ADDRESS: 724 E. Industrial Park Dr #13		
TOWN/CITY: Manchester	STATE: NH	ZIP CODE: 03109
EMAIL ADDRESS: keith@my-sterling-home.com		
FAX:	PHONE:	
ELECTRONIC COMMUNICATION: By initialing here: _____, I hereby authorize NHDES to communicate all matters relative to this application electronically.		
<b>SECTION 5 - AUTHORIZED AGENT INFORMATION (Env-Wt 311.04(c))</b>		
<input type="checkbox"/> N/A		
LAST NAME, FIRST NAME, M.I.: Brenden Walden		
COMPANY NAME: Gove Environmental Services, Inc.		
MAILING ADDRESS: 8 Continental Drive, Bldg 2, Unit H		
TOWN/CITY: Exeter	STATE: NH	ZIP CODE: 03833
EMAIL ADDRESS: bwalden@gesinc.biz		
FAX:	PHONE: 2077107863	
ELECTRONIC COMMUNICATION: By initialing here BW, I hereby authorize NHDES to communicate all matters relative to this application electronically.		
<b>SECTION 6 - PROPERTY OWNER INFORMATION (IF DIFFERENT THAN APPLICANT) (Env-Wt 311.04(b))</b>		
If the owner is a trust or a company, then complete with the trust or company information.		
<input checked="" type="checkbox"/> 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 proposed project is for the construction of a single family residential dwelling on a single existing lot of record. The applicant meets the minimum impact requirements for chapter 400 having less than 3,000 SF of direct wetland impact and less than 50 LF of stream impact. The proposed project is crossing a tier 1 stream and will meet the chapter 900 requirements. The project also meets the chapter 500 requirements as an existing lot of record with fill needed for access to the buildable upland area.

**SECTION 8 - AVOIDANCE AND MINIMIZATION**

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

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

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

**SECTION 9 - MITIGATION REQUIREMENT (Env-Wt 311.02)**

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

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

N/A - Mitigation is not required

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

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

N/A – Compensatory mitigation is not required

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

For each jurisdictional area that will be/has been impacted, provide square feet (SF) and, if applicable, linear feet (LF) of impact, and note whether the impact is after-the-fact (ATF; i.e., work was started or completed without a permit).

For intermittent and ephemeral streams, the linear footage of impact is measured along the thread of the channel. *Please note, installation of a stream crossing in an ephemeral stream may be undertaken without a permit per Rule Env-Wt 309.02(d), however other dredge or fill impacts should be included below.*

For perennial streams/ivers, the linear footage of impact is calculated by summing the lengths of disturbances to the channel and banks.

Permanent impacts are impacts that will remain after the project is complete (e.g., changes in grade or surface materials).

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

JURISDICTIONAL AREA		PERMANENT			TEMPORARY		
		SF	LF	ATF	SF	LF	ATF
Wetlands	Forested Wetland	577		<input type="checkbox"/>	293		<input type="checkbox"/>
	Scrub-shrub Wetland			<input type="checkbox"/>			<input type="checkbox"/>
	Emergent Wetland			<input type="checkbox"/>			<input type="checkbox"/>
	Wet Meadow			<input type="checkbox"/>			<input type="checkbox"/>
	Vernal Pool			<input type="checkbox"/>			<input type="checkbox"/>
	Designated Prime Wetland			<input type="checkbox"/>			<input type="checkbox"/>
	Duly-established 100-foot Prime Wetland Buffer			<input type="checkbox"/>			<input type="checkbox"/>
Surface Water	Intermittent / Ephemeral Stream		30	<input type="checkbox"/>		18	<input type="checkbox"/>
	Perennial Stream or River			<input type="checkbox"/>			<input type="checkbox"/>
	Lake / Pond			<input type="checkbox"/>			<input type="checkbox"/>
	Docking - Lake / Pond			<input type="checkbox"/>			<input type="checkbox"/>
	Docking - River			<input type="checkbox"/>			<input type="checkbox"/>
Banks	Bank - Intermittent Stream			<input type="checkbox"/>			<input type="checkbox"/>
	Bank - Perennial Stream / River			<input type="checkbox"/>			<input type="checkbox"/>
	Bank / Shoreline - Lake / Pond			<input type="checkbox"/>			<input type="checkbox"/>
Tidal	Tidal Waters			<input type="checkbox"/>			<input type="checkbox"/>
	Tidal Marsh			<input type="checkbox"/>			<input type="checkbox"/>
	Sand Dune			<input type="checkbox"/>			<input type="checkbox"/>
	Undeveloped Tidal Buffer Zone (TBZ)			<input type="checkbox"/>			<input type="checkbox"/>
	Previously-developed TBZ			<input type="checkbox"/>			<input type="checkbox"/>
	Docking - Tidal Water			<input type="checkbox"/>			<input type="checkbox"/>
<b>TOTAL</b>		<b>577</b>	<b>30</b>		<b>293</b>	<b>18</b>	

**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):	SF	× \$0.40 = \$
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 = \$ 400**

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**SECTION 13 - PROJECT CLASSIFICATION (Env-Wt 306.05)**

Indicate the project classification.

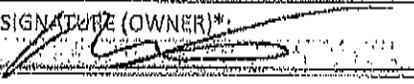
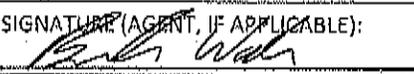
<input checked="" type="checkbox"/> Minimum Impact Project	<input type="checkbox"/> Minor Project	<input type="checkbox"/> Major Project
--	--	--

**SECTION 14 - REQUIRED CERTIFICATIONS (Env-Wt 311.11)**

Initial each box below to certify:

Initials: BW KM	To the best of the signer's knowledge and belief, all required notifications have been provided.
Initials: BW KM	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: BW KM	<p>The signer understands that:</p> <ul style="list-style-type: none"> <li>• The submission of false, incomplete, or misleading information constitutes grounds for NHDES to:                             <ol style="list-style-type: none"> <li>1. Deny the application.</li> <li>2. Revoke any approval that is granted based on the information.</li> <li>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.</li> </ol> </li> <li>• The signer is subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641.</li> <li>• The signature shall constitute authorization for the municipal conservation commission and the Department to inspect the site of the proposed project, except for minimum impact forestry SPN projects and minimum impact trail projects, where the signature shall authorize only the Department to inspect the site pursuant to RSA 482-A:6, II.</li> </ul>
Initials: BW KM	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)*: 	PRINT NAME LEGIBLY: Keith Mardel	DATE: 9/9/21
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER): _____	PRINT NAME LEGIBLY:	DATE:
SIGNATURE (AGENT, IF APPLICABLE): 	PRINT NAME LEGIBLY: Brenden Walden	DATE: 10/15/21

**SECTION 16 - TOWN / CITY CLERK SIGNATURE (Env-Wt 311.04(f))**

As required by RSA 482-A:3, I(a)(1), I hereby certify that the applicant has filed four application forms, four detailed plans, and four USGS location maps with the town/city indicated below.

TOWN/CITY CLERK SIGNATURE: _____	PRINT NAME LEGIBLY:
TOWN/CITY:	DATE:

**DIRECTIONS FOR TOWN/CITY CLERK:**

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

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

**DIRECTIONS FOR APPLICANT:**

Submit the original permit application form bearing the signature of the Town/City Clerk, additional materials, and the application fee to NHDES by mail or hand delivery at the address at the bottom of this page. Make check or money order payable to "Treasurer – State of NH".

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Keep this checklist for your reference; do not submit with your application.

### APPLICATION CHECKLIST

Unless specified, all items below are required. Failure to provide the required items will delay a decision on your project and may result in denial of your application. Please reference statute RSA 482-A, Fill and Dredge in Wetlands, and the Wetland Rules Env-Wt 100-900.

- The completed, dated, signed, and certified application (Env-Wt 311.03(b)(1)).
- Correct fee as determined in RSA 482-A:3, I(b) or (c), subject to any cap established by RSA 482-A:3, X (Env-Wt 311.03(b)(2)). Make check or money order payable to "Treasurer – State of NH".
- The Required Planning actions required by Env-Wt 311.01(a)-(c) and Env-Wt 311.03(b)(3).
- US Army Corps of Engineers (ACE) "Appendix B, New Hampshire General Permits (GPs), Required Information and Corps Secondary Impacts Checklist" and its required attachments (Env-Wt 307.02). This includes the US Fish and Wildlife Service IPAC review and Section 106 Historic/Archaeological Resource review.
- Project plans described in Env-Wt 311.05 (Env-Wt 311.03(b)(4)).
- Maps, or electronic shape files and meta data, and other attachments specified in Env-Wt 311.06 (Env-Wt 311.03(b)(5)).
- Explanation of the methods, timing, and manner as to how the project will meet standard permit conditions required in Env-Wt 307 (Env-Wt 311.03(b)(7)).
- If applicable, the information regarding proposed compensatory mitigation specified in Env-Wt 311.08 and Chapter Env-Wt 800 - Permittee Responsible Mitigation Project Worksheet, unless not required under Env-Wt 313.04 (Env-Wt 311.03(b)(8); Env-Wt 311.08; Env-Wt 313.04).
- Any additional information specific to the **type of resource** as specified in Env-Wt 311.09 (Env-Wt 311.03(b)(9); Env-Wt 311.04(j)).
- Project specific information required by Env-Wt 500, Env-Wt 600, and Env-Wt 900 (Env-Wt 311.03(b)(11)).
- A list containing the name, mailing address and tax map/lot number of each abutter to the subject property (Env-Wt 311.03(b)(12)).
- Copies of certified postal receipts or other proof of receipt of the notices that are required by RSA 482-A:3, I(d) (Env-Wt 311.03(b)(13)).
- Project design considerations required by Env-Wt 313 (Env-Wt 311.04(j)).
- Town tax map showing the subject property, the location of the project on the property, and the location of properties of abutters with each lot labeled with the name and mailing address of the abutter (Env-Wt 311.06(a)).
- Dated and labeled color photographs that:
  - (1) Clearly depict:
    - a. All jurisdictional areas, including but not limited to portions of wetland, shoreline, or surface water where impacts have or are proposed to occur.
    - b. All existing shoreline structures.
  - (2) Are mounted or printed no more than 2 per sheet on 8.5 x 11 inch sheets (Env-Wt 311.06(b)).
- A copy of the appropriate US Geological Survey map or updated data based on LiDAR at a scale of one inch equals 2,000 feet showing the location of the subject property and proposed project (Env-Wt 311.06(c)).
- A narrative that describes the work sequence, including pre-construction through post-construction, and the relative timing and progression of all work (Env-Wt 311.06(d)).

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- For all projects in the protected tidal zone, a copy of the recorded deed with book and page numbers for the property (Env-Wt 311.06(e)).
- If the applicant is not the owner in fee of the subject property, documentation of the applicant's legal interest in the subject property, provided that for utility projects in a utility corridor, such documentation may comprise a list that:
  - (1) Identifies the county registry of deeds and book and page numbers of all of the easements or other recorded instruments that provide the necessary legal interest; and
  - (2) Has been certified as complete and accurate by a knowledgeable representative of the applicant (Env-Wt 311.06(f)).
- The NHB memo containing the NHB identification number and results as well as any written follow-up communications such as additional memos or email communications with either NHB or NHF&G (Env-Wt 311.06(g)). See Wetlands Permitting: Protected Species and Habitat Fact Sheet.
- A statement of whether the applicant has received comments from the local conservation commission and, if so, how the applicant has addressed the comments (Env-Wt 311.06(h)).
- For projects in LAC jurisdiction, a statement of whether the applicant has received comments from the LAC and, if so, how the applicant has addressed the comments (Env-Wt 311.06(i)).
- If the applicant is also seeking to be covered by the state general permits, a statement of whether comments have been received from any federal agency and, if so, how the applicant has addressed the comments (Env-Wt 311.06(j)).
- Avoidance and Minimization Written Narrative or the Avoidance and Minimization Checklist, or your own avoidance and minimization narrative (Env-Wt 311.07).
- For after-the-fact applications: information required by Env-Wt 311.12.
- Coastal Resource Worksheet for coastal projects as required under Env-Wt 600.
- Prime Wetlands information required under Env-Wt 700. See WPPT for prime wetland mapping.

#### Required Attachments for Minor and Major Projects

- Attachment A: Minor and Major Projects (Env-Wt 313.03).
- Functional Assessment Worksheet or others means of documenting the results of actions required by Env-Wt 311.10 as part of an application preparation for a standard permit (Env-Wt 311.03(b)(3); Env-Wt 311.03(b)(10)). See Functional Assessments for Wetlands and Other Aquatic Resources Fact Sheet. For shoreline structures, see shoreline structures exemption in Env-Wt 311.03(b)(10)).

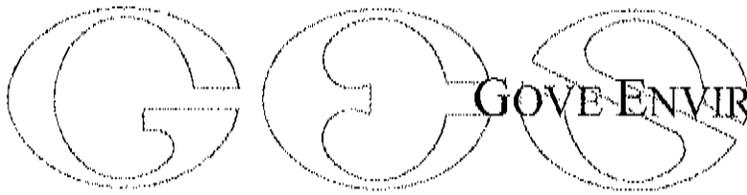
#### Optional Materials

- Stream Crossing Worksheet which summarizes the requirements for stream crossings under Env-Wt 900.
- Request for concurrent processing of related shoreland / wetlands permit applications (Env-Wt 313.05).

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GOVE ENVIRONMENTAL SERVICES, INC.  
AGENT

NHDES WETLANDS BUREAU  
EXPEDITED MINIMUM IMPACT  
DREDGE & FILL APPLICATION

Map 21 Lot 73  
Green Road,  
Raymond, NH  
September, 2021

Prepared By:

Gove Environmental Services, Inc.  
8 Continental Dr Bldg 2, Unit H, Exeter, NH 03833-7526  
*Ph (603) 778 0644 / Fax (603) 778 0654*  
*[info@gesinc.biz](mailto:info@gesinc.biz) / [www.gesinc.biz](http://www.gesinc.biz)*

GES# 2021119C

## TABLE OF CONTENTS

- 1.0 NHDES Wetlands Bureau Dredge & Fill Application Forms
  - 1.1 Expedited Minimum Impact Wetlands Permit Application (NHDES-W-06-052)
  - 1.2 Avoidance and Minimization Written Narrative (NHDES-W-06-089)
  - 1.3 Wetlands Permit Application Stream Crossing Worksheet (NHDES-W-06-071)
  - 1.4 Army Corps of Engineers Appendix B
- 2.0 General Information
  - 2.1 Project Name, Plans, and Maps
  - 2.2 Technical Standards
  - 2.3 Site Description/Wetlands Overview
  - 2.4 Construction Sequence and Drainage Practices
- 3.0 Project Overview
  - 3.1 USGS Quad Sheet Locus Map
  - 3.2 Wildlife Action Plan
  - 3.3 Aerial Photography
  - 3.4 Existing Conditions Plan
  - 3.5 Site Plans
  - 3.6 Wetland Impact Plan
  - 3.7 Photolog of Impact Areas

## APPENDICES

- Appendix I New Hampshire Natural Heritage Bureau Inquiry
- Appendix II New Hampshire Department of Historic Resources Inquiry
- Appendix III Tax Map, List of Abutters, Abutter Notification Letter, and Certified Mail Receipts



**Env-Wt 310.01**  
**EXPEDITED MINIMUM IMPACT (EXP)**  
**WETLANDS PERMIT APPLICATION**  
 Water Division/Land Resources Management  
 Wetlands Bureau



Check the Status of your Application

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

**APPLICANT'S NAME:** Liberty Woods, LLC

**TOWN NAME:** Raymond

Administrative Use Only	Administrative Use Only	Administrative Use Only	File No.:
			Check No.:
			Amount:
			Initials:

**SECTION 1 - REQUIRED PLANNING FOR ALL PROJECTS (Env-Wt 306.05; Env-Wt 603.03; Env-Wt 603.05)**

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.

Does the property contain a PRA? If yes, provide the following information:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> <li>• Does the project qualify for an Impact Classification Adjustment (e.g. NH Fish and Game Department (NHF&amp;G) and NHB agreement for a classification downgrade) or a Project-Type Exception (e.g. Maintenance or Statutory Permit-by-Notification (SPN) project)? See Env-Wt 407.02 and Env-Wt 407.04). <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></li> <li>• Protected species or habitat? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> <ul style="list-style-type: none"> <li>○ If yes, species or habitat name(s):</li> <li>○ NHB Project ID #: NHB21-2781</li> </ul> </li> <li>• Bog? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></li> <li>• Floodplain wetland contiguous to a tier 3 or higher watercourse? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></li> <li>• Designated prime wetland or duly-established 100-foot buffer? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></li> <li>• Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></li> </ul>	

Is the property within a Designated River corridor? If yes, provide the following information:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> <li>• Name of Local River Management Advisory Committee (LAC):</li> <li>• A copy of the application was sent to the LAC on Month:    Day:    Year:</li> </ul>	

For dredging projects, is the subject property contaminated?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> <li>• If yes, list contaminant(s):</li> </ul>	

Is there potential to impact impaired waters, class A waters, or outstanding resource waters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---	---

For stream crossing projects, provide watershed size (see Wetland Permit Planning Tool or Stream Stats):

**SECTION 2 - ELIGIBILITY (Env-Wt 306.03; Env-Wt 310.01; Env-Wt 310.03)**

You must confirm that your project meets **ALL** of the following statements to qualify for the EXP process:

- The project qualifies as minimum impact project (Env-Wt 306.03).
- The project does not include activities that are prohibited under RSA 482-A (Env-Wt 306.03(a)).
- The project does not include any work in a jurisdictional area that was started without first obtaining the applicable approval (Env-Wt 306.03(b)).
- No work has been done on the subject property pursuant to another EXP or a Statutory Permit-by-Notification (SPN) within 12 months of the date this EXP will be issued. Alternatively, if any work has been done on the subject property pursuant to another EXP or a SPN within 12 months of the date this EXP will be issued, then you are submitting information, including a plan, with this application demonstrating that:
  - The work proposed in this EXP application is wholly unrelated to and separate from the work already done under the EXP or SPN; and
  - The work proposed in this EXP application, when combined with work that has been done under previously issued EXPs or SPNs within the last 12 months, does not constitute a project for which a Standard Permit is required (Env-Wt 310.03(a)).
- If the project is located in a PRA, it also qualifies for an impact classification adjustment under Env-Wt 407.02 or a project-type exception (PTE) under Env-Wt 407.04 (Env-Wt 310.01(d)(6)).

- My project meets all statements above. Proceed to Section 3.
- My project does not meet all of the statements above. **Your project does not qualify for the EXP process. Your project either is not permissible or requires a Standard Permit.**

**SECTION 3 - INFORMATION ON THE PROPOSED PROJECT (Env-Wt 310.01(c))**

Identify the rule(s)/provision(s) which make the project a minimum impact project. Refer to the project list below and the Expedited Minimum Impact (EXP) Project Classification Guidance Document.

- Aquatic Vegetation Control Projects (Env-Wt 510.08(a))
- Water Access Structure Construction Projects (Env-Wt 511.06(a))
- Beach Replenishment Projects (Env-Wt 511.07(a))
- Deck or Patio Repair Projects (Env-Wt 511.08(a))
- Breakwater Maintenance and Repair Projects (Env-Wt 512.07(b))
- Docking and Accessory Docking Structure Construction, Repair, and Replacement Projects (Env-Wt 513.24(a))
- Docking Structure Modification Projects (Env-Wt 513.25(a))
- Accessory Docking Structure Installation, Construction, Modification, Repair, and Replacement Projects (Env-Wt 513.26(a))
- Canopy Projects (Env-Wt 513.27(a))
- Bank/Shoreline Stabilization Construction Projects (Env-Wt 514.07(a))
- Dug-in Basins and Boathouse Construction or Modification Projects (Env-Wt 515.06(a), (b))
- Dug-in Basins and Boathouse Maintenance and Repair Projects (Env-Wt 515.07(a))
- Intake and Outflow Structure Construction, Maintenance and Repair Projects (Env-Wt 516.05; Env-Wt 516.06(b))
- Trail or Pathway Projects (Env-Wt 517.06(a); Env-Wt 517.06(d))
- Boardwalk Projects (Env-Wt 517.07(a); Env-Wt 517.09)
- Dry Hydrants and Other Non-Docking Structure Projects (Env-Wt 518.07(a)(1), (b))
- Pond Construction, Maintenance, and Repair Projects (Env-Wt 519.08(a), (b); Env-Wt 519.09(a))
- Residential Utility Installation Projects (Env-Wt 521.06(a)(7))

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- Non-tidal Dredging Projects (Env-Wt 523.04(a))
- Residential, Commercial, and Industrial Development Projects (Env-Wt 524.06(b))
- Restoration/Enhancement Projects (Env-Wt 525.05)
- Dam Construction, Reconstruction, or Replacement Projects (Env-Wt 526.06(a))
- Dam Modification, Repair, or Maintenance Projects (Env-Wt 526.07(a))
- Public Highway Projects (Env-Wt 527.06; Env-Wt 527.07)
- Coastal Projects (Env-Wt 600)
- Stream Crossing Projects (Env-Wt 903.01(e))
- All Other Projects (Env-Wt 407.03)

Provide the project-specific information required by the rule(s)/provision(s). Refer to Chapters Env-Wt 400, Env-Wt 500, Env-Wt 600, and/or Env-Wt 900, as applicable, for project-specific application and design requirements. The proposed project is for the construction of a single family residential dwelling on a single existing lot of record. The applicant meets the minimum impact requirements for chapter 400 having less than 3,000 SF of direct wetland impact and less than 50 LF of stream impact. The proposed project is crossing a tier 1 stream and will meet the chapter 900 requirements. The project also meets the chapter 500 requirements as an existing lot of record with fill needed for access to the buildable upland area. Please see applicable Standard Project Specific Worksheets for guidance.

For projects located on waterbodies, provide the linear feet of shoreline frontage on the property: \_\_\_\_\_ linear feet

Not applicable

Provide a brief description of the project and the purpose of the project, outlining the scope of work to be performed and whether impacts are temporary or permanent. DO NOT reply "See attached".

The applicant is proposing a single wetland crossing of a tier 1 intermittent stream to gain access to the buildable upland to construct a single family residential dwelling on an existing lot of record. The crossing will have 870 SF of wetland impact and 48 LF of intermittent stream impact. The crossing will have a 30 inch RCP culvert installed to maintain hydrologic connectivity.

Identify the type of jurisdictional resources to be impacted and the area of impact in square feet and/or linear feet:  
 R4SB-  
 Temp 18 LF  
 Perm 30 LF  
 PFO1E -  
 Temp 293 SF  
 Perm 577 SF

Not applicable

**SECTION 4 - PROJECT LOCATION (Env-Wt 310.01(b))**

ADDRESS: Green Road

TOWN/CITY: Raymond

TAX MAP/LOT NUMBER: Map 21 / Lot 73

US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME:

N/A

LATITUDE/LONGITUDE in decimal degrees (to five decimal places):  
 43.029216° North  
 -71.212853° West

**SECTION 5 - APPLICANT (DESIRED PERMIT HOLDER) INFORMATION (Env-Wt 310.01(a))**

If the applicant is a trust or a company, then the name of the trust or company should be written as the applicant's name.

NAME: Liberty Woods, LLC

MAILING ADDRESS: 724 E. Industrial Park Dr #13

TOWN/CITY: Manchester STATE: NH ZIP CODE: 03109

PHONE: EMAIL ADDRESS (OPTIONAL): keith@my-sterling-home.com

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

**SECTION 6 - AUTHORIZED AGENT INFORMATION (Env-Wt 310.01(a))**

If the agent is a company, then the name of the company should be written as the agent's name.

NAME: Brenden Walden / Gove Environmental Services, Inc.

MAILING ADDRESS: 8 Continental Drive, Bldg 2, Unit H

TOWN/CITY: Exeter STATE: NH ZIP CODE: 03833

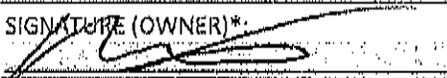
PHONE: 2077107863 EMAIL ADDRESS (OPTIONAL): bwalden@gesinc.biz

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

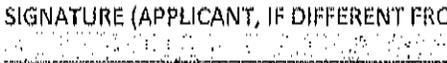
<b>SECTION 7 - PROPERTY OWNER INFORMATION, IF DIFFERENT FROM APPLICANT (Env-Wt 310.01(a))</b>		
If the owner is a trust or a company, then the name of the trust or company should be written as the owner's name.		
NAME: Liberty Woods, LLC		
MAILING ADDRESS: 724 E. Industrial Park Dr #13		
TOWN/CITY: Manchester	STATE: NH	ZIP CODE: 03109
PHONE:	EMAIL ADDRESS (OPTIONAL): kelth@my-sterling-home.com	
ELECTRONIC COMMUNICATION: By Initialing here: _____, I hereby authorize NHDES to communicate all matters relative to this application electronically.		
<b>SECTION 8 - APPLICATION FEE (RSA 482-A:3, I)</b>		
<input checked="" type="checkbox"/> \$400 for minimum impact projects. Please make your check or money order payable to: "Treasurer - State of NH".		
<b>SECTION 9 - REQUIRED CERTIFICATIONS ( Env-Wt 310.01(d))</b>		
Initial each box below to certify:		
Initials: BW KM	The proposed project meets the conditions and limits of the applicable minimum impact project rule.	
Initials: BW KM	All abutters have been notified.	
Initials:	If the project is to repair or replace a docking structure, the docking structure is an existing legal structure. <input checked="" type="checkbox"/> N/A	
Initials: BW KM	The proposal is the alternative with the least adverse impact to jurisdictional areas, as required by Env-Wt 310.01(d)(4).	
Initials: BW KM	The project is not an after-the-fact application.	
Initials: BW KM	The project is: <ul style="list-style-type: none"> <li>• Not located in a PRA, or</li> <li>• Is located in a PRA but is subject to a classification adjustment under Env-Wt 407.02 or a project-type exception under Env-Wt 407.04.</li> </ul>	
Initials: BW KM	The applicant is aware of the limits of the EXP and understands and will comply with all conditions in the EXP and all applicable conditions in Env-Wt 307.	

Initials: BW KM	To the best of the signer's knowledge and belief, all required notifications have been provided.
Initials: BW KM	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: BW KM	<p>The signer understands that:</p> <ul style="list-style-type: none"> <li>The submission of false, incomplete, or misleading information constitutes grounds for NHDES to:                     <ol style="list-style-type: none"> <li>Deny the application.</li> <li>Revoke any approval that is granted based on the information.</li> <li>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.</li> </ol> </li> <li>The signer is subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641.</li> <li>The signature shall constitute authorization for the municipal conservation commission and the Department to inspect the site of the proposed project, except for minimum impact trail projects, where the signature shall authorize only the Department to inspect the site pursuant to RSA 482-A:6, II.</li> </ul>
Initials: BW KM	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 10 - REQUIRED SIGNATURES (Env-Wt 310.01(d))**

SIGNATURE (OWNER)* 	PRINT NAME LEGIBLY: Keith Martel	DATE: 9/9/21
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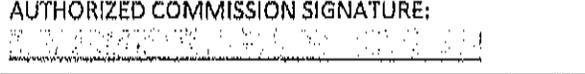
\*Note: If the applicant is not the owner of the property, each property owner also shall sign and date the application provided that property owner signatures shall not be required for transportation projects adjacent to existing rights-of-way where an easement will be obtained prior to the start of construction (Env-Wt 311.11(d)). Check the following box if your project meets this exception:

SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER): 	PRINT NAME LEGIBLY: 	DATE: 
--	-------------------------	-----------

SIGNATURE (AGENT, IF APPLICABLE) 	PRINT NAME LEGIBLY: Brenden Walden	DATE: 2/2/22
---	---------------------------------------	-----------------

**SECTION 11 - CONSERVATION COMMISSION SIGNATURE (Env-Wt 310.01(h))\*\***

The signed statement from the Conservation Commission may be submitted electronically.  
The signature below certifies that the municipal Conservation Commission or, if there is no conservation commission, the local governing body, has reviewed this application and the municipality waives its right to intervene on the project, per RSA 482-A:11.

AUTHORIZED COMMISSION SIGNATURE: 	PRINT NAME LEGIBLY: 	DATE: 
---	-------------------------	-----------

<b>SECTION 12 - LOCAL RIVER MANAGEMENT ADVISORY COMMITTEE SIGNATURE (Env-Wt 310.01(i))**</b>		
The signature below certifies that the LAC waives its right to intervene per RSA 482-A:11: <input checked="" type="checkbox"/> N/A This project is <b>not</b> within a Designated River Corridor)		
AUTHORIZED LAC REPRESENTATIVE SIGNATURE: _____	PRINT NAME LEGIBLY:	DATE:

\*\*Note: If the application is administratively complete, except for the signed statement from the Conservation Commission and/or LAC, the application will be processed under the application processing times established in RSA 482-A:3, XIV (Env-Wt 310.02(h)). The applicant may also indicate that they are applying for a minimum impact application under standard processing timelines.

<b>SECTION 14 - TOWN / CITY CLERK SIGNATURE (Env-Wt 310.01(f))</b>	
As required by RSA 482-A:3, I(a)(1), I hereby certify that the municipality has received four copies of the application, including all attachments.	
TOWN/CITY CLERK SIGNATURE: _____	PRINT NAME LEGIBLY:
TOWN/CITY:	DATE:

**DIRECTIONS FOR TOWN/CITY CLERK:**  
 Per RSA 482-A:3, I(a)(1)

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

**DIRECTIONS FOR APPLICANT:**

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

Keep this checklist for your reference; do not submit with your application.

### APPLICATION CHECKLIST

#### Required for all applications:

- The completed, dated, signed and certified application (Env-Wt 310.01).
- Application fee of \$400, as determined in RSA 482-A:3, I (Env-Wt 310.01(e)). Make check or money order payable to "Treasurer -- State of NH".
- US Army Corps of Engineers (ACE) "Appendix B, New Hampshire General Permits (GPs), Required Information and Corps Secondary Impacts Checklist" and its required attachments (Env-Wt 307.02). This includes the US Fish and Wildlife Service IPAC review and Section 106 Historic/Archaeological Resource review.
- A copy of the town tax map(s) showing the location of the proposed project in relation to abutters (Env-Wt 310.01(b)(2)).
- A list of abutters' names and mailing addresses to cross-reference with the tax map (Env-Wt 310.01(b)(3)).
- A copy of the appropriate US Geological Survey map with the property and project clearly marked (Env-Wt 310.01(b)(4)).
- Photos that meet all of the following criteria:
  - Clearly show the area to be impacted,
  - Are mounted or printed no more than two per sheet on 8.5-inch x 11-inch paper, and
  - Are annotated to explain impact (Env-Wt 310.01(b)(6)).
- The results and identification number of the NHB DataCheck (Env-Wt 310.01(b)(8)). See Wetlands Permitting: Protected Species and Habitat Fact Sheet.
- An accurate drawing showing the precise location, with detailed dimensions clearly annotated to document existing site conditions and to show the proposed impacts to the jurisdictional areas (Env-Wt 310.01(c)(4)).
- An accurate drawing to show the impact of the proposed activity on jurisdictional areas, including the following (Env-Wt 310.01(c)(5)):
  - An overview of the property and proposed impact areas in relation to property lines,
  - The scale, if any, used on the drawing,
  - If the drawing is not to scale, the dimensions of all existing and proposed structures and all other relevant features necessary to clearly define the project,
  - A labeled north-pointing arrow to indicate orientation,
  - A legend that clearly indicates all symbols, line types, and shading used on the plan,
  - The location of the jurisdictional areas delineated in accordance with Env-Wt 400,
  - Proposed sequence of construction including pre-construction through post-construction activities and the relative timing and progression of all work,
  - The location and type of siltation and turbidity controls indicated graphically and labeled or annotated as necessary,
  - For any project using a temporary coffer dam and for any repair of a tier 3 stream crossing, the date, signature, and seal of the licensed professional engineer who prepared or had responsibility for the plan(s),
  - For restoration/enhancement projects, the information required to be shown on a map by Env-Wt 525,
  - For tidal minimum impact projects, the information required to be shown on a map by Env-Wt 600, and
  - For minimum impact stream crossing projects, the information required to be shown on a map by Env-Wt 900.
- The linear distance of the project from abutting property boundaries (Env-Wt 310.01(c)(7)).

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**Required for certain project type, as applicable:**

- The type of dock construction (Env-Wt 310.01(c)(8)).
- The diameter of culvert(s) to be used for road or driveway crossings (Env-Wt 310.01(c)(8)).
- The additional information specified in Env-Wt 522 for minimum impact agricultural applications (Env-Wt 310.01(c)(8)).
- Plans for maintenance of retaining walls, as specified in Env-Wt 514 (if applicable; Env-Wt 310.01(c)(8)).
- Specifications and plans for maintenance of rip-rap, as required by Env-Wt 514 (Env-Wt 310.01(c)(8)).
- Any other project-specific plan or information required under Env-Wt 500 and as described in the project-specific worksheet (Env-Wt 310.01(c)(8)).
- Information required on the Coastal Resource Worksheet for coastal projects under Env-Wt 600.
- Prime Wetlands information required under Env-Wt 700.
- Information requested on the Stream Crossing Worksheet required by Env-Wt 900.

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## EXPEDITED (EXP) MINIMUM IMPACT WETLANDS PERMIT APPLICATION REVIEW PROCESS



### Water Division/Land Resources Management Wetlands Bureau

(Keep this sheet for your reference; do not submit it with your application)

In accordance with Env-Wt 310.02, the department must review an application for an expedited permit (EXP) for administrative completeness and compliance with applicable department rules within 30 calendar days of receipt if the application has been signed by:

- The municipal conservation commission or, if there is no conservation commission, the local governing body, certifying that the municipality waives its right to intervene on the project, which may be submitted electronically; and
- The LAC, if the project is within LAC jurisdiction, certifying that the LAC waives its right to intervene on the project. "LAC jurisdiction" means the authority conferred by RSA 483:8-a, III upon a local river management advisory committee relative to activities within a designated river or river corridor, provided that for the purpose of routine roadway maintenance activities conducted under an EXP, LAC jurisdiction is limited to activities in or within 250 feet of a tier 2 or tier 3 designated river that have a direct surface water connection to the designated river (Env-Wt 103.27).

#### **Administrative Completeness Review:**

If the application is administratively complete, complies with applicable requirements, and has the signature(s) mentioned above, the department will issue an EXP and post the information on OneStop within one business day of determining that the application was complete and in compliance with all applicable requirements.

If the application is lacking anything other than the signatures mentioned above and the project qualifies for an EXP, the department will send a written notice to the applicant that:

- Identifies each item that is missing; and
- Informs the applicant that in order to proceed under the EXP, the applicant must submit all necessary information within 20 days of the date of the notice or the application will be denied.

If the application was administratively complete except for one or both of the signatures required above, the department will send a written notice to the applicant that the application will be processed under the application processing times established in RSA 482-A:3, XIV.

If the applicant receives the above-mentioned notice and wishes to proceed under an EXP, the applicant must submit a revised application for an EXP that provides all of the required information within 20 days of the date of the notice. If the applicant does not submit all necessary information to the department within 20 days, the department will deny the EXP.

#### **Technical Review:**

If the information submitted as part of the application is not sufficient for the department to determine that the project meets the criteria for an EXP, the department shall send a request for more information, together with any written technical comments the department deems necessary, within 30 calendar days of receipt of the application. Such request and technical comments shall be sent by electronic means if the applicant or applicant's agent has indicated that doing so is acceptable.

If the project proposed in the EXP application does not comply with applicable requirements, the department will deny the application and notify the applicant in writing of the reason(s) for the denial.

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**AVOIDANCE AND MINIMIZATION  
WRITTEN NARRATIVE**  
Water Division/Land Resources Management  
Wetlands Bureau  
Check the Status of your Application



**RSA/ Rule:** RSA 482-A/ Env-Wt 311.04(j); Env-Wt 311.07; Env-Wt 313.01(a)(1)b; Env-Wt 313.01(c)

**APPLICANT'S NAME:** Liberty Woods, LLC

**TOWN NAME:** Raymond

An applicant for a standard permit shall submit with the permit application a written narrative that explains how all impacts to functions and values of all jurisdictional areas have been avoided and minimized to the maximum extent practicable. This attachment can be used to guide the narrative (attach additional pages if needed). Alternatively, the applicant may attach a completed Avoidance and Minimization Checklist (NHDES-W-06-050) to the permit application.

<p><b>SECTION 1 - WATER ACCESS STRUCTURES (Env-Wt 311.07(b)(1))</b> Is the primary purpose of the proposed project to construct a water access structure?</p> <p>There are no water access structures proposed with this project.</p>
<p><b>SECTION 2 - BUILDABLE LOT (Env-Wt 311.07(b)(1))</b> Does the proposed project require access through wetlands to reach a buildable lot or portion thereof?</p> <p>Yes</p>
<p><b>SECTION 3 - AVAILABLE PROPERTY (Env-Wt 311.07(b)(2))*</b> For any project that proposes permanent impacts of more than one acre, or that proposes permanent impacts to a PRA, or both, are any other properties reasonably available to the applicant, whether already owned or controlled by the applicant or not, that could be used to achieve the project's purpose without altering the functions and values of any jurisdictional area, in particular wetlands, streams, and PRAs?</p> <p><i>*Except as provided in any project-specific criteria and except for NH Department of Transportation projects that qualify for a categorical exclusion under the National Environmental Policy Act.</i></p> <p>The proposed project is for a minimum impact project and will have no impacts to any PRA's or have impacts greater than one acre.</p>

**SECTION 4 - ALTERNATIVES (Env-Wt 311.07(b)(3))**

Could alternative designs or techniques, such as different layouts, different construction sequencing, or alternative technologies be used to avoid impacts to jurisdictional areas or their functions and values as described in the Wetlands Best Management Practice Techniques For Avoidance and Minimization?

Due to the location of the stream on site the applicant has no other option but to cross in order to gain access to the buildable upland on the southern portion of the site. The applicant has designed the crossing to have impacts at the narrowest point as well as utilizing retaining walls along the driveway to minimize the need for additional impacts that would be needed for roadway grading.

**SECTION 5 - CONFORMANCE WITH Env-Wt 311.10(c) (Env-Wt 311.07(b)(4))\*\***

How does the project conform to Env-Wt 311.10(c)?

*\*\*Except for projects solely limited to construction or modification of non-tidal shoreline structures only need to complete relevant sections of Attachment A.*

The applicant is proposing the wetland impact at the narrowest point of the wetland. The impact associated with this project is unavoidable. The applicant is maintaining the hydrologic connectivity with an oversized culvert as well as minimizing impacts to the overall functions of the wetland on site by crossing at the narrowest point possible on site.



## WETLANDS PERMIT APPLICATION STREAM CROSSING WORKSHEET

Water Division/Land Resources Management  
Wetlands Bureau



RSA/Rule RSA 482-A/ Env-Wt-900

This worksheet can be used to accompany Wetlands Permit Applications when proposing stream crossings.

### SECTION 1 - TIER CLASSIFICATIONS

Determine the contributing watershed size at [USGS StreamStats](#).

Note: Plans for tier 2 and 3 crossings shall be designed and stamped by a professional engineer who is licensed under RSA 310-A to practice in New Hampshire.

Size of contributing watershed at the crossing location: 28 acres

- Tier 1:** A tier 1 stream crossing is a crossing located on a watercourse where the contributing watershed size is less than or equal to 200 acres.
- Tier 2:** A tier 2 stream crossing is a crossing located on a watercourse where the contributing watershed size is greater than 200 acres and less than 640 acres.
- Tier 3:** A tier 3 stream crossing is a crossing that meets **any** of the following criteria:
  - On a watercourse where the contributing watershed is more than 640 acres.
  - Within a designated river corridor unless:
    - a. The crossing would be a tier 1 stream based on contributing watershed size, or
    - b. The structure does not create a direct surface water connection to the designated river as depicted on the national hydrography dataset as found on GRANIT.
  - Within a 100-year floodplain (see Section 2 below).
  - In a jurisdictional area having any protected species or habitat ([NHB DataCheck](#)).
  - In a prime wetland or within a duly-established 100-foot buffer, unless a waiver has been granted pursuant to RSA 482-A:11, IV(b) and Env-Wt 706. Review the [Wetlands Permit Planning Tool \(WPPT\)](#) for town prime wetland and prime wetland buffer maps to determine if your project is within these areas.
- Tier 4:** A tier 4 stream crossing is a crossing located on a tidal watercourse.

### SECTION 2 - 100-YEAR FLOODPLAIN

Use the [FEMA Map Service Center](#) to determine if the crossing is located within a 100-year floodplain. Please answer the questions below:

- No:** The proposed stream crossing *is not* within the FEMA 100-year floodplain.
- Yes:** The proposed project *is* within the FEMA 100-year floodplain. Zone =  
Elevation of the 100-year floodplain at the inlet:      feet (FEMA EI. or Modeled EI.)

### SECTION 3 - CALCULATING PEAK DISCHARGE

Existing 100-year peak discharge (Q) calculated in cubic feet per second (CFS): 17.7 CFS	Calculation method: stream stats
Estimated bankfull discharge at the crossing location: 27.70 CFS	Calculation method: HYDROCAD



SECTION 8 - SUBSTRATE CLASSIFICATION BASED ON FIELD OBSERVATIONS	
<i>For tier 2, tier 3 and tier 4 crossings only.</i>	
% of reach that is bedrock:	%
% of reach that is boulder:	%
% of reach that is cobble:	%
% of reach that is gravel:	%
% of reach that is sand:	%
% of reach that is silt:	%
SECTION 9 - STREAM TYPE OF REFERENCE REACH	
<i>For tier 2, tier 3 and tier 4 crossings only.</i>	
Stream Type of Reference Reach:	

Refer to Rosgen Classification Chart (Figure 2) below:

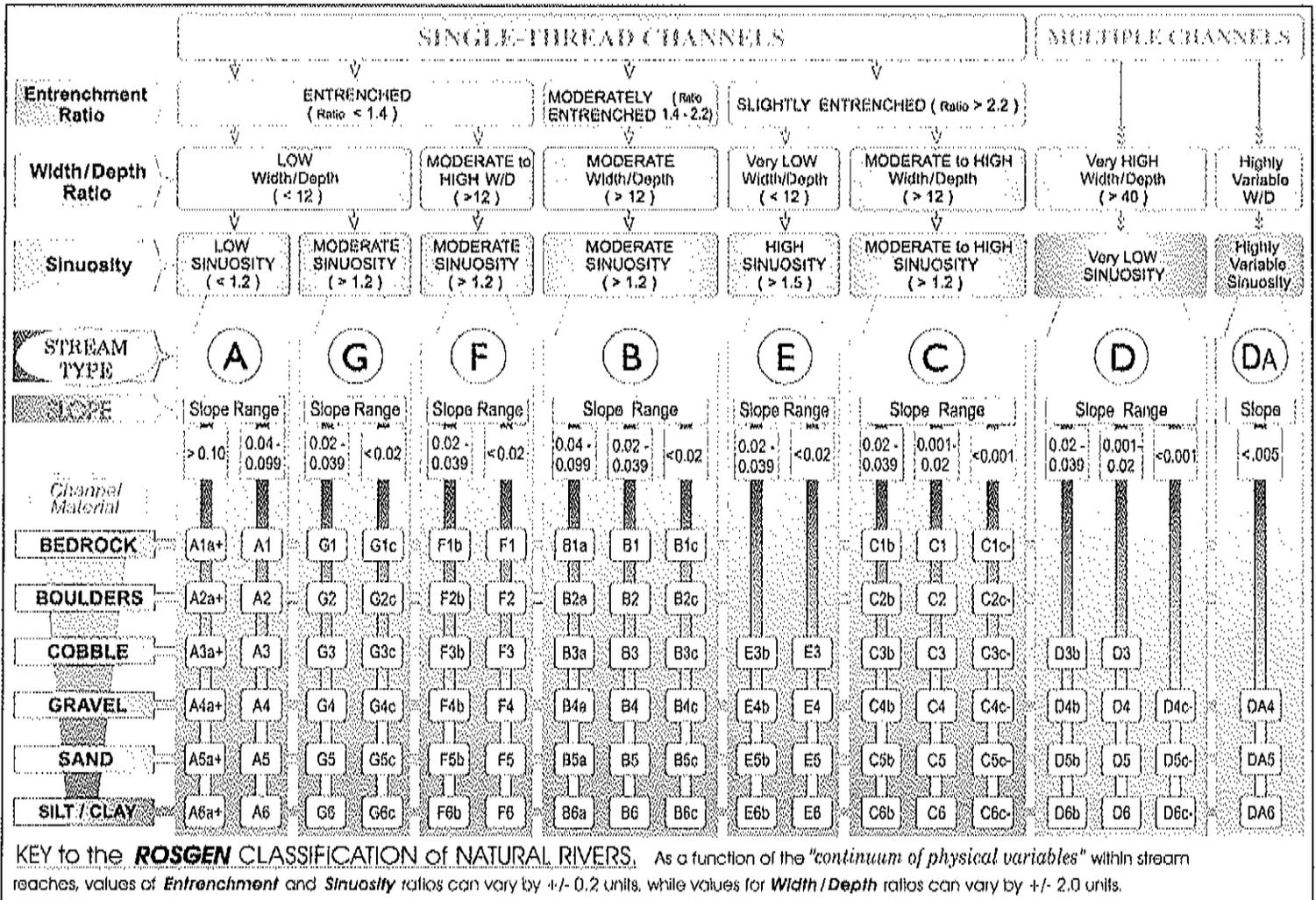


Figure 2: Reference from Applied River Morphology, Rosgen, 1996.

[lrm@des.nh.gov](mailto:lrm@des.nh.gov) or (603) 271-2147

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

[www.des.nh.gov](http://www.des.nh.gov)

**SECTION 10 - CROSSING STRUCTURE METRICS**

<b>Existing Conditions</b>	Existing Structure Type: <input type="checkbox"/> Bridge span <input type="checkbox"/> Pipe arch <input type="checkbox"/> Open-bottom culvert <input type="checkbox"/> Closed-bottom culvert <input type="checkbox"/> Closed-bottom culvert with stream simulation <input type="checkbox"/> Other:				
	Existing Crossing Span: _____ feet <i>(perpendicular to flow)</i>		Culvert Diameter: _____ feet Inlet Elevation: El. _____ feet		
	Existing Crossing Length: _____ feet <i>(parallel to flow)</i>		Outlet Elevation: El. _____ feet Culvert Slope: _____		
<b>Proposed Conditions</b>	Proposed Structure Type:	Tier 1	Tier 2	Tier 3	Alternative Design
	Bridge Span	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Pipe Arch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Closed-bottom Culvert	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Open-bottom Culvert	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Closed-bottom Culvert with stream simulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Proposed Structure Span: _____ feet <i>(perpendicular to flow)</i>	Culvert Diameter: 2.5 feet Inlet Elevation: El. 539.3 feet			
Proposed Structure Length: 31 feet <i>(parallel to flow)</i>	Outlet Elevation: El. 539.0 feet Culvert Slope: 0.75				
Proposed Entrenchment Ratio:*					
<i>For Tier 2, Tier 3 and Tier 4 Crossings Only. To accommodate the entrenchment ratio, floodplain drainage structures may be utilized.</i>					

\* Note: Proposed Entrenchment Ratio must meet the minimum ratio for each stream type listed in **Figure 3**, otherwise the applicant must address the Alternative Design criteria listed in Env-Wt 904.10.

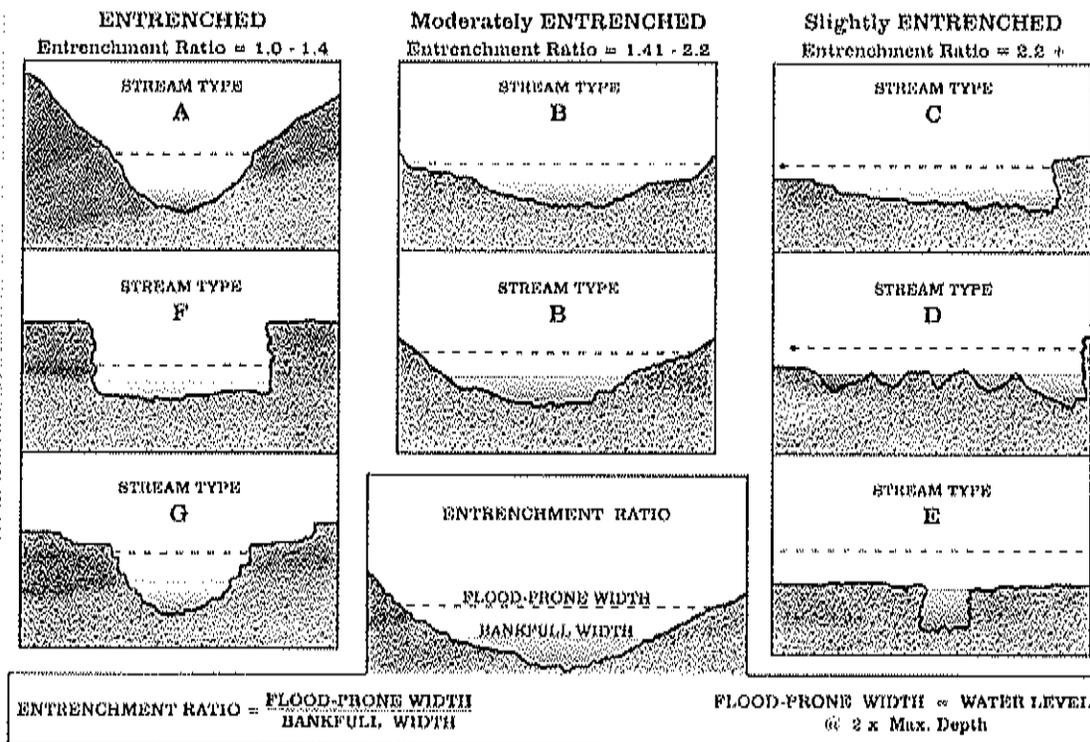


Figure 3: Reference from Applied River Morphology, Rosgen, 1996.

<b>SECTION 11 - CROSSING STRUCTURE HYDRAULICS</b>		
	Existing	Proposed
100 year flood stage elevation at inlet:	540.90	542.71
Flow velocity at outlet in feet per second (FPS):	2.43	5.82
Calculated 100 year peak discharge (Q) for the <i>proposed</i> structure in CFS:		27.70
Calculated 50 year peak discharge (Q) for the <i>proposed</i> structure in CFS:		18.62

**SECTION 12 - CROSSING STRUCTURE OPENNESS RATIO**  
*For tier 2, tier 3 and tier 4 crossings only.*

**Crossing Structure Openness Ratio\* =**  
 \* Openness box culvert = (height x width)/length  
 Openness round culvert = (3.14 x radius<sup>2</sup>)/length

**SECTION 13 - GENERAL DESIGN CONSIDERATIONS**  
 Env-Wt 904.01 requires all stream crossings to be designed and constructed according to the following requirements. Check each box if the project meets these general design considerations.

- All stream crossings shall be designed and constructed so as to:
- Not be a barrier to sediment transport.
  - Prevent the restriction of high flows and maintain existing low flows.
  - Not obstruct or otherwise substantially disrupt the movement of aquatic life indigenous to the waterbody beyond the actual duration of construction.
  - Not cause an increase in the frequency of flooding or overtopping of banks.
  - Maintain or enhance geomorphic compatibility by:
    - a. Minimizing the potential for inlet obstruction by sediment, wood, or debris, and
    - b. Preserving the natural alignment of the stream channel.
  - Preserve watercourse connectivity where it currently exists.
  - Restore watercourse connectivity where:
    - a. Connectivity previously was disrupted as a result of human activity(ies), and
    - b. Restoration of connectivity will benefit aquatic life upstream or downstream of the crossing, or both.
  - Not cause erosion, aggradation, or scouring upstream or downstream of the crossing.
  - Not cause water quality degradation.

**SECTION 14 - TIER-SPECIFIC DESIGN CRITERIA**  
 Stream crossings must be designed in accordance with the tier specific design criteria listed in Part Env-Wt 904.

- The proposed project meets the tier specific design criteria listed in Part Env-Wt 904 and each requirement has been addressed in the plans and as part of the wetland application.

**SECTION 15 - ALTERNATIVE DESIGN**

**NOTE:** If the proposed crossing does not meet all of the general design considerations, the tier specific design criteria, or the minimum entrenchment ratio for each given stream type listed in **Figure 3**, then an alternative design plan and associated requirements must be addressed pursuant to Env-Wt 904.10.

- I have submitted an alternative design and addressed each requirement listed in Env-Wt 904.10.

# StreamStats Report

Region ID: NH

Workspace ID: NH20210826142548284000

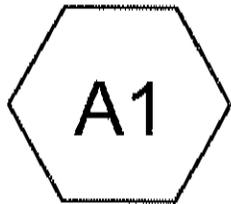
Clicked Point (Latitude, Longitude): 43.02953, -71.21374

Time: 2021-08-26 10:26:06 -0400



## Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.04	square miles
APRAVPRE	Mean April Precipitation	4.03	inches
WETLAND	Percentage of Wetlands	0	percent
CSL10_85	Change in elevation divided by length between points 10 and 85 percent of distance along main channel to basin divide - main channel method not known	306	feet per mi
TEMP	Mean Annual Temperature	46.661	degrees F



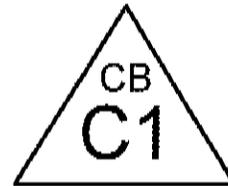
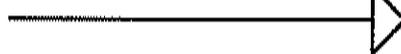
SUBCAT A PRE



EX WETLAND



SUBCAT A POST



CULVERT



# CULVERT SIZING

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Page 2

## Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
27.244	55	Woods, Good, HSG B (A1, A2)
<b>27.244</b>	<b>55</b>	<b>TOTAL AREA</b>

# CULVERT SIZING

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Page 3

## Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
27.244	HSG B	A1, A2
0.000	HSG C	
0.000	HSG D	
0.000	Other	
<b>27.244</b>		<b>TOTAL AREA</b>

**CULVERT SIZING**

Type III 24-hr 100 YR Rainfall=8.25"

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Page 4

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points  
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN  
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

**SubcatchmentA1: SUBCAT A PRE** Runoff Area=593,374 sf 0.00% Impervious Runoff Depth>2.94"  
Flow Length=1,500' Slope=0.1200 '/' Tc=24.8 min CN=55 Runoff=27.85 cfs 3.336 af

**SubcatchmentA2: SUBCAT A POST** Runoff Area=593,374 sf 0.00% Impervious Runoff Depth>2.94"  
Flow Length=1,500' Slope=0.1200 '/' Tc=24.8 min CN=55 Runoff=27.85 cfs 3.336 af

**Reach WET: EX WETLAND** Avg. Flow Depth=0.90' Max Vel=2.43 fps Inflow=27.85 cfs 3.336 af  
n=0.035 L=50.0' S=0.0050 '/' Capacity=120.96 cfs Outflow=27.85 cfs 3.334 af

**Pond C1: CULVERT** Peak Elev=542.71' Inflow=27.85 cfs 3.336 af  
30.0" Round Culvert n=0.012 L=25.0' S=0.0040 '/' Outflow=27.85 cfs 3.336 af

**Total Runoff Area = 27.244 ac Runoff Volume = 6.671 af Average Runoff Depth = 2.94"**  
**100.00% Pervious = 27.244 ac 0.00% Impervious = 0.000 ac**

**CULVERT SIZING**

Type III 24-hr 100 YR Rainfall=8.25"

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Page 5

**Summary for Subcatchment A1: SUBCAT A PRE**

Runoff = 27.85 cfs @ 12.37 hrs, Volume= 3.336 af, Depth&gt; 2.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs  
Type III 24-hr 100 YR Rainfall=8.25"

Area (sf)	CN	Description
593,374	55	Woods, Good, HSG B
593,374		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.8	50	0.1200	0.08		<b>Sheet Flow,</b> Woods: Dense underbrush n= 0.800 P2= 3.01"
14.0	1,450	0.1200	1.73		<b>Shallow Concentrated Flow,</b> Woodland Kv= 5.0 fps
24.8	1,500	Total			

**Summary for Subcatchment A2: SUBCAT A POST**

Runoff = 27.85 cfs @ 12.37 hrs, Volume= 3.336 af, Depth&gt; 2.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs  
Type III 24-hr 100 YR Rainfall=8.25"

Area (sf)	CN	Description
593,374	55	Woods, Good, HSG B
593,374		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.8	50	0.1200	0.08		<b>Sheet Flow,</b> Woods: Dense underbrush n= 0.800 P2= 3.01"
14.0	1,450	0.1200	1.73		<b>Shallow Concentrated Flow,</b> Woodland Kv= 5.0 fps
24.8	1,500	Total			

**Summary for Reach WET: EX WETLAND**

Inflow Area = 13.622 ac, 0.00% Impervious, Inflow Depth > 2.94" for 100 YR event  
 Inflow = 27.85 cfs @ 12.37 hrs, Volume= 3.336 af  
 Outflow = 27.85 cfs @ 12.37 hrs, Volume= 3.334 af, Atten= 0%, Lag= 0.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs  
 Max. Velocity= 2.43 fps, Min. Travel Time= 0.3 min  
 Avg. Velocity= 0.95 fps, Avg. Travel Time= 0.9 min

## CULVERT SIZING

Type III 24-hr 100 YR Rainfall=8.25"

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Page 6

Peak Storage= 572 cf @ 12.37 hrs

Average Depth at Peak Storage= 0.90'

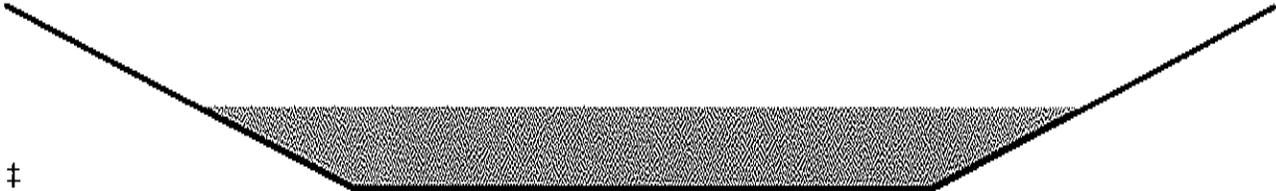
Bank-Full Depth= 2.00' Flow Area= 32.0 sf, Capacity= 120.96 cfs

10.00' x 2.00' deep channel, n= 0.035 Earth, dense weeds

Side Slope Z-value= 3.0 '/' Top Width= 22.00'

Length= 50.0' Slope= 0.0050 '/'

Inlet Invert= 540.00', Outlet Invert= 539.75'



### Summary for Pond C1: CULVERT

Inflow Area = 13.622 ac, 0.00% Impervious, Inflow Depth > 2.94" for 100 YR event  
Inflow = 27.85 cfs @ 12.37 hrs, Volume= 3.336 af  
Outflow = 27.85 cfs @ 12.37 hrs, Volume= 3.336 af, Atten= 0%, Lag= 0.0 min  
Primary = 27.85 cfs @ 12.37 hrs, Volume= 3.336 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Peak Elev= 542.71' @ 12.37 hrs

Flood Elev= 544.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	539.60'	<b>30.0" Round Culvert</b> L= 25.0' Ke= 0.500 Inlet / Outlet Invert= 539.60' / 539.50' S= 0.0040 '/' Cc= 0.900 n= 0.012, Flow Area= 4.91 sf

**Primary OutFlow** Max=27.70 cfs @ 12.37 hrs HW=542.70' (Free Discharge)

↳ **1=Culvert** (Barrel Controls 27.70 cfs @ 5.82 fps)



**US Army Corps  
of Engineers**®  
New England District

**New Hampshire General Permits (GPs)  
Appendix B - Corps Secondary Impacts Checklist  
(for inland wetland/waterway fill projects in New Hampshire)**

1. Attach any explanations to this checklist. Lack of information could delay a Corps permit determination.
2. All references to "work" include all work associated with the project construction and operation. Work includes filling, clearing, flooding, draining, excavation, dozing, stumping, etc.
3. See GC 5, regarding single and complete projects.
4. Contact the Corps at (978) 318-8832 with any questions.

<b>1. Impaired Waters</b>	<b>Yes</b>	<b>No</b>
1.1 Will any work occur within 1 mile upstream in the watershed of an impaired water? See <a href="http://des.nh.gov/organization/divisions/water/wmb/section401/impaired_waters.htm">http://des.nh.gov/organization/divisions/water/wmb/section401/impaired_waters.htm</a> to determine if there is an impaired water in the vicinity of your work area.*		X
<b>2. Wetlands</b>	<b>Yes</b>	<b>No</b>
2.1 Are there are streams, brooks, rivers, ponds, or lakes within 200 feet of any proposed work?	X	
2.2 Are there proposed impacts to SAS, special wetlands. Applicants may obtain information from the NH Department of Resources and Economic Development Natural Heritage Bureau (NHB) DataCheck Tool for information about resources located on the property at <a href="https://www2.des.state.nh.us/nhb_datacheck/">https://www2.des.state.nh.us/nhb_datacheck/</a> . The book <i>Natural Community Systems of New Hampshire</i> also contains specific information about the natural communities found in NH.		X
2.3 If wetland crossings are proposed, are they adequately designed to maintain hydrology, sediment transport & wildlife passage?	X	
2.4 Would the project remove part or all of a riparian buffer? (Riparian buffers are lands adjacent to streams where vegetation is strongly influenced by the presence of water. They are often thin lines of vegetation containing native grasses, flowers, shrubs and/or trees that line the stream banks. They are also called vegetated buffer zones.)		X
2.5 The overall project site is more than 40 acres?		X
2.6 What is the area of the previously filled wetlands?	UNKNOWN	
2.7 What is the area of the proposed fill in wetlands?	870 SF	
2.8 What is the % of previously and proposed fill in wetlands to the overall project site?	UNKNOWN	
<b>3. Wildlife</b>	<b>Yes</b>	<b>No</b>
3.1 Has the NHB & USFWS determined that there are known occurrences of rare species, exemplary natural communities, Federal and State threatened and endangered species and habitat, in the vicinity of the proposed project? (All projects require an NHB ID number & a USFWS IPAC determination.) NHB DataCheck Tool: <a href="https://www2.des.state.nh.us/nhb_datacheck/">https://www2.des.state.nh.us/nhb_datacheck/</a> USFWS IPAC website: <a href="https://ecos.fws.gov/ipac/location/index">https://ecos.fws.gov/ipac/location/index</a>		X

3.2 Would work occur in any area identified as either "Highest Ranked Habitat in N.H." or "Highest Ranked Habitat in Ecological Region"? (These areas are colored magenta and green, respectively, on NH Fish and Game's map, "2010 Highest Ranked Wildlife Habitat by Ecological Condition.") Map information can be found at: <ul style="list-style-type: none"> <li>• PDF: <a href="http://www.wildlife.state.nh.us/Wildlife/Wildlife_Plan/highest_ranking_habitat.htm">www.wildlife.state.nh.us/Wildlife/Wildlife_Plan/highest_ranking_habitat.htm</a>.</li> <li>• Data Mapper: <a href="http://www.granit.unh.edu">www.granit.unh.edu</a>.</li> <li>• GIS: <a href="http://www.granit.unh.edu/data/downloadfreedata/category/databycategory.html">www.granit.unh.edu/data/downloadfreedata/category/databycategory.html</a>.</li> </ul>		X
3.3 Would the project impact more than 20 acres of an undeveloped land block (upland, wetland/waterway) on the entire project site and/or on an adjoining property(s)?		X
3.4 Does the project propose more than a 10-lot residential subdivision, or a commercial or industrial development?		X
3.5 Are stream crossings designed in accordance with the GC 21?	N/A	
<b>4. Flooding/Floodplain Values</b>	<b>Yes</b>	<b>No</b>
4.1 Is the proposed project within the 100-year floodplain of an adjacent river or stream?		X
4.2 If 4.1 is yes, will compensatory flood storage be provided if the project results in a loss of flood storage?	N/A	
<b>5. Historic/Archaeological Resources</b>		
For a minimum, minor or major impact project - a copy of the Request for Project Review (RPR) Form ( <a href="http://www.nh.gov/nhdhr/review">www.nh.gov/nhdhr/review</a> ) with your DES file number shall be sent to the NH Division of Historical Resources as required on Page 11 GC 8(d) of the GP document**	X	

\*Although this checklist utilizes state information, its submittal to the Corps is a Federal requirement.

\*\* If your project is not within Federal jurisdiction, coordination with NH DHR is not required under Federal law.

## 2.0 GENERAL INFORMATION

PREPARED BY (AGENT CONTACT): Brenden Walden

## 2.1 PROJECT NAME, PLANS, AND MAPS

PROJECT NAME: Map 21 Lot 73 Green Road Development

SITE PLANS/MAPS: Existing Conditions Plan  
Proposed Plan  
8½"x11" USGS Quad Sheet Locus Map  
8½"x11" Wildlife Action Plan  
8½"x11" Aerial Imagery  
11x17" Overview Plan  
11x17" Wetland Impact Plan Detail  
11x17" Project Site Tax Map

## 2.2 TECHNICAL STANDARDS

- 2.2.1 Gove Environmental Services, Inc. delineated the wetlands during the spring of 2019, utilizing the standards of the Corps of Engineers *Wetlands Delineation Manual*<sup>1</sup> and the NH DES Wetlands Bureau *Code of Administrative Rules*<sup>2</sup>.
- 2.2.2 Wetland flags were surveyed by Promised Land Survey, LLC.
- 2.2.3 Wetlands were classified by GES utilizing the criteria of *Classification of Wetlands and Deepwater Habitats of the United States*<sup>3</sup>.
- 2.2.4 Dominant hydric soil conditions within the wetlands were identified by GES utilizing the criteria of *Field Indicators for Identifying Hydric Soils in New England*<sup>4</sup>.
- 2.2.5 Dominance of wetland vegetation was assessed by GES utilizing the *National List of Plant Species That Occur in Wetlands: Northeast (Region 1)*<sup>5</sup>.

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<sup>1</sup> Environmental Laboratory. 2012. "Regional Supplement to the Corps of Engineers Wetlands Delineation Manual: Northcentral and Northeast Region." Version 2.0. Technical Report ERDC/EL TR-10-12.

<sup>2</sup> NH Code Admin. R. [Wt] Ch. 100-800.

<sup>3</sup> Cowardin, L. M., 1979. *Classification of Wetlands and Deepwater Habitats in the United States*. Washington, D.C.: U.S. Department of the Interior, Fish and Wildlife Service.

<sup>4</sup> New England Hydric Soils Technical Committee, Version 4. June 2020. "Field Indicators for Identifying Hydric Soils in New England."

<sup>5</sup> Lichvar, R.W. & Kartesz, J.T. 2009. North American Digital Flora: National Wetland Plant List. 2.2.1.

### 2.3 SITE DESCRIPTION/WETLANDS OVERVIEW

The ~5-acre subject property is an undeveloped forested lot with frontage on Green Road in Raymond. There is a forested wetland just to the south of Green Road that cuts across the frontage of the property. A tier one intermittent stream is located on the interior of this forested wetland and extends off property to the east. Wetland vegetation in this area consists of Red Maple, Yellow Birch, Winter berry, Highbush Blueberry, Cinnamon Fern, Sensitive Fern and Poison Ivy. Uplands consist of mature forest with trees composed of Red Oak, White Pine, Red Maple.

### 2.4 CONSTRUCTION SEQUENCE

1. Contact digsafe (811) at least 72 hours prior to any excavation or construction activity.
2. Cut and clear trees and brush as necessary within temporary impact limits shown on plan.
3. Install all applicable temporary erosion control measures prior to commencement of any earthmoving operations.
4. Remove and properly dispose of stumps and similar organic debris prior to site grading. (Native organic soils that are suitable for reuse shall be stockpiled, temporarily seeded and surrounded by temporary controls to prevent erosion.)
5. Add and grade appropriate culvert bedding material, using proper compaction methods.
6. Set and construct the designed (or equivalent) drainage structures. Culverts shall be 30" reinforced concrete and shall have  $\geq 2'$  of cover at finish grade.
7. Begin the construction and grading of gravel and crushed gravel courses over proposed driveway and compact in specified lift thickness and compaction rates per local regulations.
8. Complete grading activities – including retaining walls, driveway, and finish grading, using the stockpiled topsoil.
9. Fine grade all surface areas and complete permanent seeding and landscaping with native or noninvasive species. No plantings species shall be found on the NHDES, NHFG, USDA, or USFWS prohibited species lists. All areas shall be stabilized within 72 hours of achieving finish grade.
10. Remove all temporary sedimentation and erosion controls and any additional temporary measures listed above.

### 3.0 PROJECT OVERVIEW

The applicant is proposing to construct a single-family residential dwelling on the subject property. To access the buildable uplands the applicant will need to cross a tier I intermittent stream with permanent impacts amounting to 577 SF and 30 LF of intermittent stream. Temporary impacts associated with the construction will amount to 293 SF and 18 LF of intermittent stream. These wetland impacts are the only ones associated with the proposed construction.

1985 USGS QUAD SHEET LOCUS MAP  
Scale 1:24,000

# USGS



## Legend

- State
- - - County
- City/Town

Map Scale

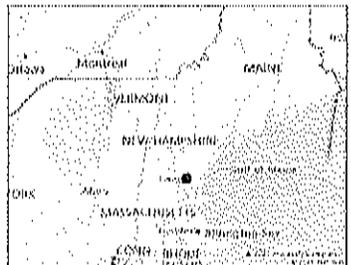
1: 25,000



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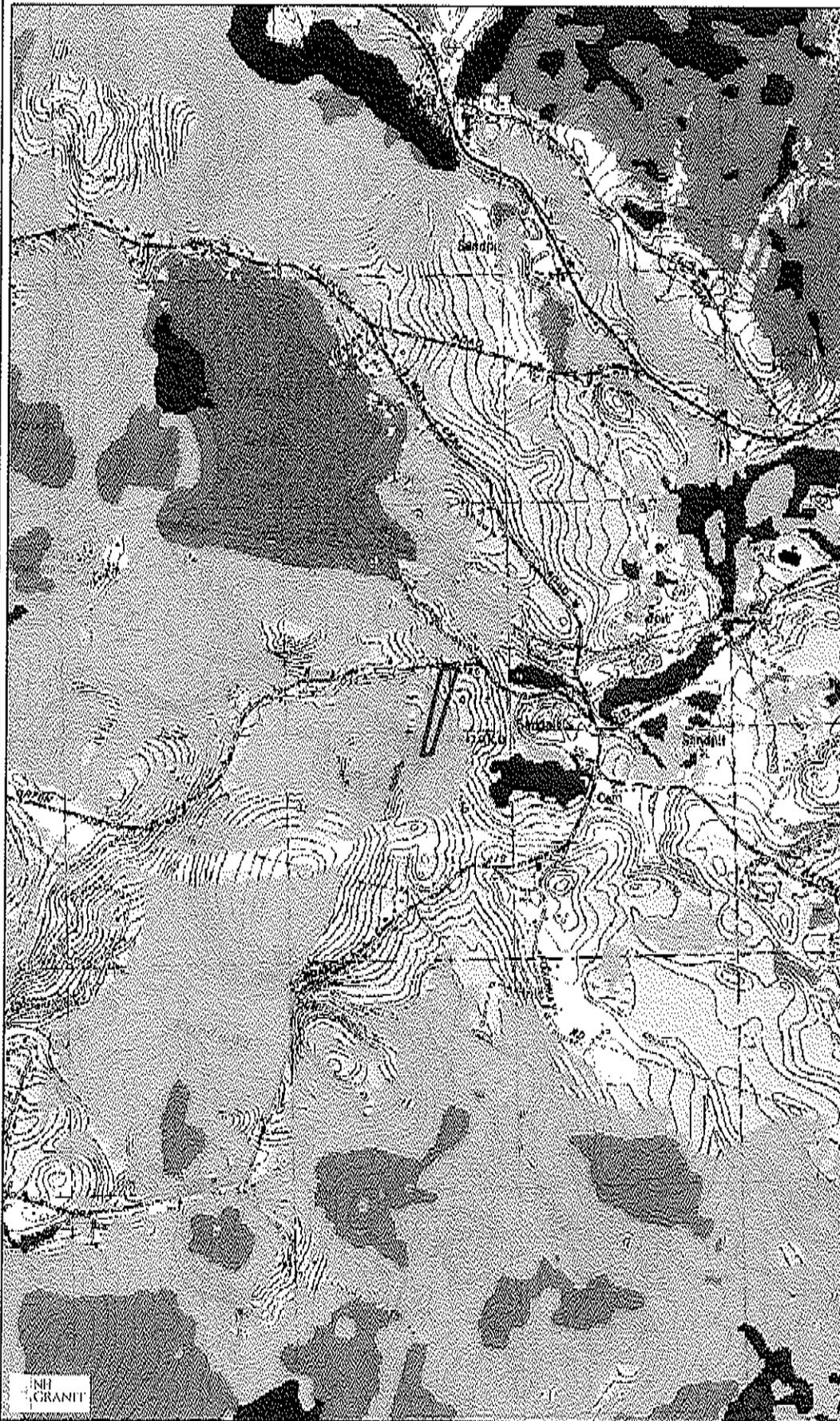
Map Generated: 9/14/2021

## Notes



**Wildlife Action Plan  
Scale 1:24,000**

# Wildlife Action Plan



## Legend

- State
- - - County
- City/Town
- WAP 2020: Highest Ranked Wildlife Habitat
  - 1 Highest Ranked Habitat in NH
  - 2 Highest Ranked Habitat in Region
  - 3 Supporting Landscape

Map Scale

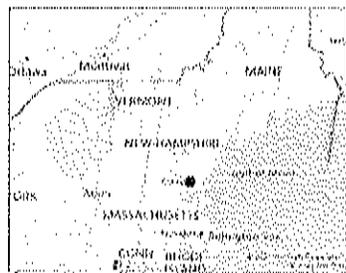
1: 25,000



© NH GRANIT, [www.granit.unh.edu](http://www.granit.unh.edu)

Map Generated: 9/14/2021

## Notes



## **Aerial Imagery**

# Aerial



## Legend

- State
- County
- City/Town

Map Scale

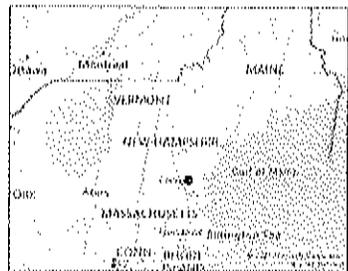
1: 10,000



© NH GRANIT, [www.granit.unh.edu](http://www.granit.unh.edu)

Map Generated: 9/14/2021

## Notes



## EXISTING CONDITIONS PLAN

**NOTES**

- 1) THE PURPOSE OF THIS PLAN IS TO DEPICT THE EXISTING LOT CONDITIONS AND PROPOSED DRIVEWAY & LOT LAYOUT OF MAP 21 LOT 73, LOCATED ON GREEN ROAD IN RAYMOND, NEW HAMPSHIRE.
- 2) THIS PLAN IS INTENDED TO BE SUBMITTED IN SUPPORT OF AN EXPEDITED MINIMUM IMPACT WETLANDS PERMIT FOR THE DRIVEWAY CROSSINGS ON MAP 21 LOT 73.
- 3) THIS PARCEL OF LAND (MAP 21 LOT 73) IS AN EXISTING LOT OF RECORD.
- 4) THIS PLAN IS BASED ON FIELD EVIDENCE LAST OBSERVED IN JUNE OF 2021.
- 5) THIS PARCEL OF LAND (MAP 21 LOT 73) DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS INTERPOLATED FROM THE FLOOD INSURANCE RATE MAP (FIRM) FOR ROCKINGHAM COUNTY, NEW HAMPSHIRE (ALL JURISDICTIONS), 430303000E, HAVING AN EFFECTIVE DATE OF MAY 17, 2005.
- 6) THE SUBJECT LOT WILL BE SERVED BY PRIVATE, ON-SITE SEPTIC AND WELL.
- 7) THE BEARING SYSTEM OF THIS PLAN IS BASED ON A MAGNETIC NORTH OBSERVATION.
- 8) THIS PLAN IS INTENDED TO BE AT THE DEPICTED SCALE WHEN PLOTTED ON 22x34 (ANS C) SIZE PAPER.
- 9) ALL DISTANCES, UNLESS OTHERWISE INDICATED, ARE US SURVEY FEET HORIZONTAL DISTANCES.
- 10) ALL ZONING INFORMATION SHALL BE VERIFIED PRIOR TO ANY BUILDING OR CONSTRUCTION ACTIVITY.
- 11) THE PROPOSED DRILLING LAYOUT DEPICTED HEREON IS APPROXIMATE. ONCE A MINIMUM IMPACT WETLANDS IMPACT PERMIT IS OBTAINED, TEST PITS WILL BE PERFORMED TO DETERMINE THE FINAL DESIGN AND GRADING OF THE OWELENG AND ISDS.
- 12) THE INTERMITTENT STREAM'S CONTRIBUTING WATERSHED IS APPROXIMATELY 25 ACRES.
- 13) IT IS RECOMMENDED THAT THE CONSTRUCTION FOR THE MINIMUM WETLAND IMPACT OCCUR DURING DRY OR NO FLOW TIMES. IF CONSTRUCTION OCCURS IN FLOWING WATER, APPROPRIATE BARRS SUCH AS A TEMPORARY BY-PASS PIPE, COFFERDAM, & DE-WATERING OF THE WORK AREA (DEPICTED HEREON) MUST BE UTILIZED TO MAINTAIN NORMAL WATER FLOWS DURING CONSTRUCTION, AND TO PREVENT WATER QUALITY DEGRADATION.
- 14) NO EROSION CONTROLS SHALL BE INSTALLED ACROSS STREAM CHANNELS.

**PLAN OF REFERENCE**

- 1) SUBDIVISION PLAN, "RATTLESNAKE HILL," RAYMOND, N.H., PREPARED FOR WILLIAM ROODS, PREPARED BY: ALAN H. SIMONSON, INC. - LAND SURVEYORS, DATED: OCTOBER 15, 1978; SCALE: 1"=200'. SEE ROCKINGHAM COUNTY REGISTRY OF DEEDS (RCRD) PLAN No. D-6514.

**WETLAND NOTE:**

- THE LIMITS OF JURISDICTIONAL WETLANDS, AS SHOWN ON THIS PLAN, WERE DELINEATED BY GOVE ENVIRONMENTAL SERVICES, INC. IN ACCORDANCE WITH:
1. US ARMY CORPS OF ENGINEERS REGIONAL, SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: HORIZONTAL AND NORTHEAST REGION, TECHNICAL REPORT ERDC/EL TR-12-1, JANUARY, 2012, VERSION 2.0.
  2. FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, VERSION 2.0.
  3. NORTH AMERICAN DIGITAL FLORA: NATIONAL WETLAND PLANT LIST, VERSION 2.1.1 (2009).

**ZONING**

R (AGRICULTURAL/RESIDENTIAL DISTRICT) MINIMUM AREA: 87,120 Sq. Ft. (2.0 Ac.)  
 FRONT: 200'  
 SETBACKS:  
 FRONT - 30'  
 SIDE - 30'  
 REAR - 30'  
 WETLANDS - 25'

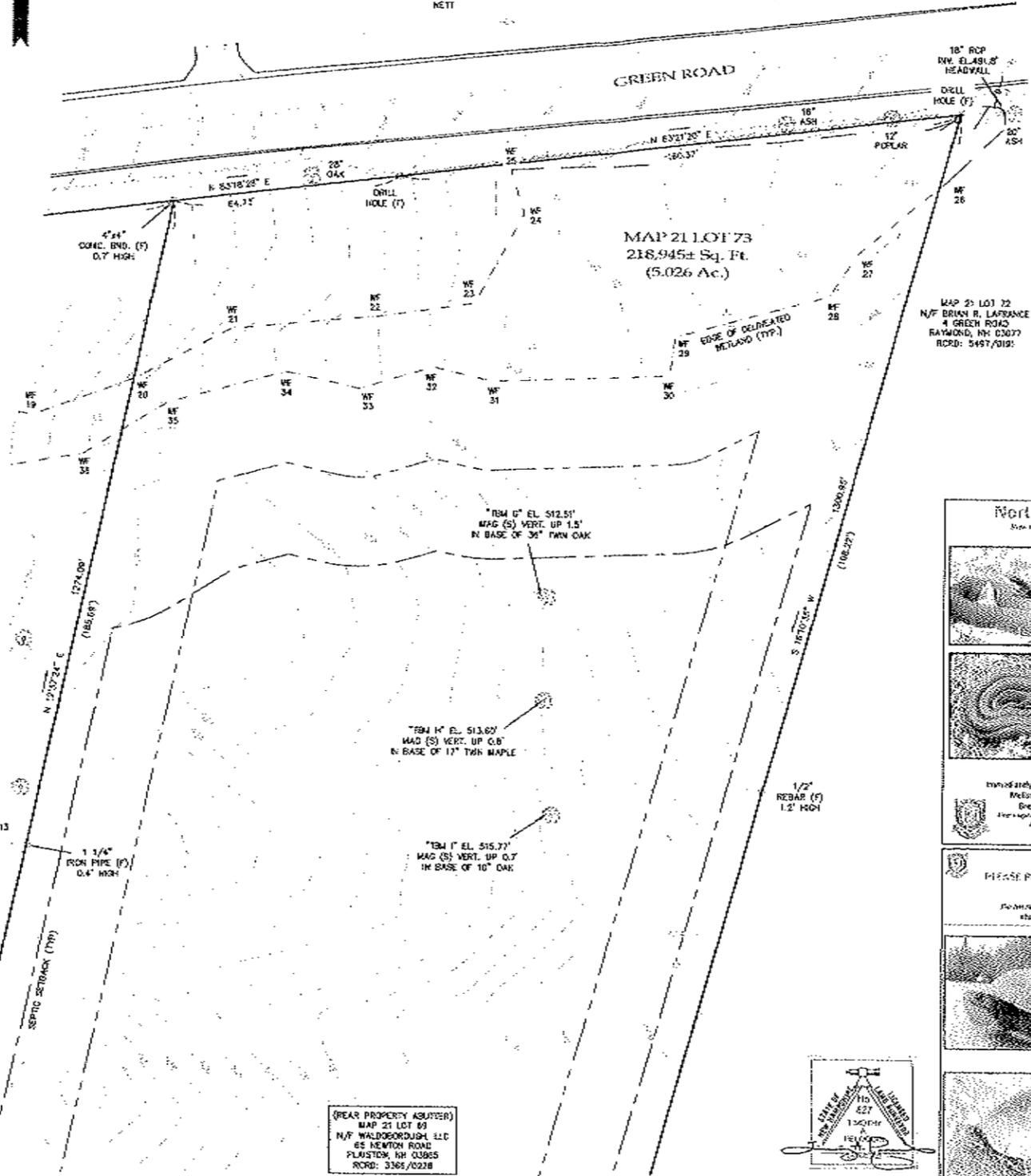
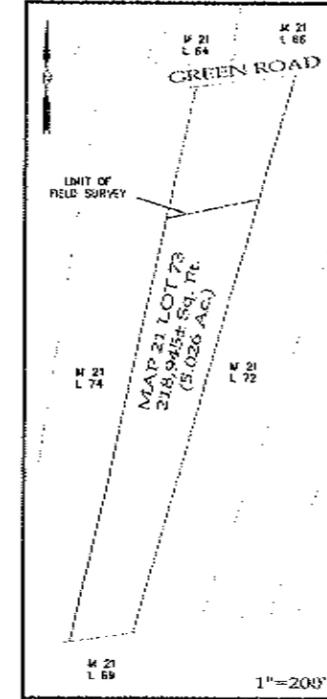
MAP 21 LOT 84  
 N/F BEAUVILLIERS TRUST  
 JOHN E. & JULIAN G. BEAUVILLIERS, TRS.  
 5 GREEN ROAD  
 RAYMOND, NH 03077  
 RCRD: 4665/0741

PSC  
 30  
 3  
 120  
 3  
 NETT

MAP 21 LOT 66  
 N/F ROBERT H. PEPPER  
 SEARON WOODS, INC.  
 25 SORNER ROAD  
 RAYMOND, NH 03077  
 RCRD: 6018/0968

MAP 21 LOT 72  
 N/F BRIAN R. LAFRANCE  
 4 GREEN ROAD  
 RAYMOND, NH 03077  
 RCRD: 5497/0101

**BOUNDARY OVERVIEW**



- HRCS:
- 1400 - CHATFIELD-HOLLES-CANTON COMPLEX, 6% - 15% SLOPES, ROCKY = 35.6%
  - 1400 - CHATFIELD-HOLLES-CANTON COMPLEX, 15% - 35% SLOPES, ROCKY = 80.2%
  - 495 - WATCHDOG MUCKY FEAT, 0% - 2% SLOPES = 3.5%
  - 5478 - WALPOLE VERY FINE SANDY LOAM, 3% - 8% SLOPES, VERY STONY = 0.9%

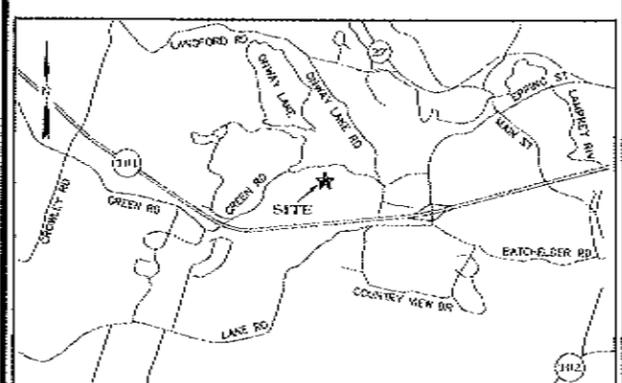
**Northern Black Racer**  
*Rana diademata*

Found at site on 09/02/2021. Photo by [Name].

PLEASE REPORT OBSERVATIONS OF RARE SPECIES  
 To the Fish & Game Department in a specific observation of rare species.

Species name: [Name].

Found at site on [Date]. Photo by [Name].



**EXISTING CONDITIONS PLAN**  
 DATE: SEPTEMBER 02, 2021

**PREPARED FOR:**  
 LIBERTY WOODS, LLC  
 724 E. INDUSTRIAL PARK DR. #13  
 MANCHESTER, NH 03109

**SITE LOCATION:**  
 MAP 21 LOT 73  
 GREEN ROAD  
 RAYMOND, NEW HAMPSHIRE

SCALE: 1"=20'

SHEET 1 OF 2

**Promised Land Survey, LLC**

PO Box 447  
 Derry, New Hampshire 03038  
 Tel: (603) 432-2112  
 www.PromisedLandSurvey.com  
 Land Surveying • Mapping • Planning • Permitting • Layout

REV. DATE DESCRIPTION BY

PLS JOB# 3150



**SHEET INDEX**

SHEET 1 EXISTING CONDITIONS PLAN  
 SHEET 2 PROPOSED DRIVEWAY CROSSING & LOT LAYOUT PLAN

(NEAR PROPERTY ADJUTER)  
 MAP 21 LOT 69  
 N/F WALDOBOROUGH, LLC  
 66 NEWTON ROAD  
 PLAINSTON, NH 03865  
 RCRD: 3185/0218

**SITE PLANS**

**NOTES**

- 1) THE PURPOSE OF THIS PLAN IS TO DEPICT THE EXISTING LOT CONDITIONS AND PROPOSED DRIVEWAY & LOT LAYOUT OF MAP 21 LOT 73, LOCATED ON GREEN ROAD IN RAYMOND, NEW HAMPSHIRE.
- 2) THIS PLAN IS INTENDED TO BE SUBMITTED IN SUPPORT OF AN EXPEDITED MINIMUM IMPACT WETLANDS PERMIT FOR THE DRIVEWAY CROSSINGS ON MAP 21 LOT 73.
- 3) THIS PARCEL OF LAND (MAP 21 LOT 73) IS AN EXISTING LOT OF RECORD.
- 4) THIS PLAN IS BASED ON FIELD SURVEY LAST OBSERVED IN JUNE OF 2021.
- 5) THIS PARCEL OF LAND (MAP 21 LOT 73) DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS INTERPOLATED FROM THE FLOOD INSURANCE RATE MAP (FIRM) FOR ROCKSWORTH COUNTY, NEW HAMPSHIRE (ALL JURISDICTIONS) #3305000000, HAVING AN EFFECTIVE DATE OF MAY 17, 2005.
- 6) THE SUBJECT LOT WILL BE SERVED BY PRIVATE, ON-SITE SEPTIC AND WELL.
- 7) THE BEARING SYSTEM OF THIS PLAN IS BASED ON A MAGNETIC NORTH OBSERVATION.
- 8) THIS PLAN IS INTENDED TO BE AT THE DEPICTED SCALE WHEN PLOTTED ON 22x34 (ANSI D) SIZE PAPER.
- 9) ALL DISTANCES, UNLESS OTHERWISE INDICATED, ARE US SURVEY FEET HORIZONTAL DISTANCES.
- 10) ALL ZONING INFORMATION SHALL BE VERIFIED PRIOR TO ANY BUILDING OR CONSTRUCTION ACTIVITY.
- 11) THE PROPOSED DWELLING LAYOUT DEPICTED HEREON IS APPROPRIATE, ONCE A MINIMUM IMPACT WETLANDS IMPACT PERMIT IS OBTAINED. TEST PITS WILL BE PERFORMED TO DETERMINE THE FINAL DESIGN AND GRADING OF THE DWELLING AND LOTS.
- 12) THE INTERMITTENT STREAM'S CONTRIBUTING WATERSHED IS APPROXIMATELY 25 ACRES.
- 13) IT IS RECOMMENDED THAT THE CONSTRUCTION FOR THE MINIMUM WETLAND IMPACT OCCUR DURING DRY OR NO FLOW TIMES. IF CONSTRUCTION OCCURS IN FLOWING WATER, APPROPRIATE BMP'S SUCH AS A TEMPORARY BY-PASS PIPE, DOTTERRAIL, & DE-WATERING OF THE WORK AREA (DEPICTED HEREON) MUST BE UTILIZED TO MAINTAIN NORMAL WATER FLOWS DURING CONSTRUCTION, AND TO PREVENT WATER QUALITY DEGRADATION.
- 14) NO EROSION CONTROLS SHALL BE INSTALLED ACROSS STREAM CHANNELS.

**CONSTRUCTION SEQUENCE**

- 1) CONTACT OSHA (811) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY.
- 2) CUT AND CLEAR TREES AND BRUSH AS NECESSARY WITHIN TEMPORARY IMPACT LIMITS SHOWN ON PLAN.
- 3) INSTALL ALL APPLICABLE TEMPORARY EROSION CONTROL MEASURES PRIOR TO COMMENCEMENT OF ANY EARTHMOVING OPERATIONS.
- 4) REMOVE AND PROPERLY DISPOSE OF STUMPS AND SIMILAR ORGANIC DEBRIS PRIOR TO SITE GRADING. (DRAINING ORGANIC SOILS THAT ARE SUITABLE FOR REUSE SHALL BE STOCKPILED, TEMPORARILY SEEDED, AND SURROUNDED BY TEMPORARY CONTROLS TO PREVENT EROSION).
- 5) ADD AND GRADE APPROPRIATE CULVERT BEDDING MATERIAL, USING PROPER COMPACTION METHODS.
- 6) SET AND CONSTRUCT THE DESIGNED (OR EQUIVALENT) DRAINAGE STRUCTURES. CULVERTS SHALL BE 30" REINFORCED CONCRETE AND SHALL HAVE ≥ 2" OF COVER AT FINISH GRADE.
- 7) BEGIN THE CONSTRUCTION AND GRADING OF DRIVEWAY AND CRUSHED GRAVEL COURSES OVER PROPOSED DRIVEWAY AND COMPACT IN SPECIFIED LIFT THICKNESS AND COMPACTION RATES PER LOCAL REGULATIONS.
- 8) COMPLETE GRADING ACTIVITIES—INCLUDING RETAINING WALLS, DRIVEWAY, AND FRESH GRADING, USING THE STOCKPILED TOPSOIL.
- 9) FINE GRADE ALL SURFACE AREAS AND COMPLETE PERMANENT SEEDING AND LANDSCAPING WITH NATIVE, NON-INVASIVE SPECIES. NO PLANTING SPECIES SHALL BE FOUND ON THE INDEX MAP, USDA, OR USFWS PROHIBITED SPECIES LISTS. ALL AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FRESH GRADE.
- 10) REMOVE ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS, AND ANY ADDITIONAL TEMPORARY MEASURES LISTED ABOVE.

**WETLAND NOTE:**

- THE LIMITS OF JURISDICTIONAL WETLANDS, AS SHOWN ON THIS PLAN, WERE DELINEATED BY DOVE ENVIRONMENTAL SERVICES, INC. IN ACCORDANCE WITH:
1. US ARMY CORPS OF ENGINEERS REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND Delineation MANUAL: NORTHEASTERN AND NORTHEAST REGION, TECHNICAL REPORT ERDC/EL TR-12-1, JANUARY, 2012, VERSION 2.0.
  2. FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, VERSION 7.0.
  3. NORTH AMERICAN DIGITAL FLORA: NATIONAL WETLAND PLANT LIST, VERSION 2.21 (2009).

**ZONING**

R (AGRICULTURAL/RESIDENTIAL DISTRICT) MINIMUM AREA: 87,120 Sq. Ft. (2.0 Ac.)  
 FRONTAGE: 200'  
 SETBACKS:  
 FRONT - 30'  
 SIDE - 30'  
 REAR - 30'  
 WETLANDS - 25'

**PLAN OF REFERENCE**

1) "SUBMISSION PLAN, 'RATTLESHAKE HILL,' RAYMOND, N.H.," PREPARED FOR: YALOW ROODS; PREPARED BY: ALLAN H. SWANSON, INC. - LAND SURVEYORS; DATE: OCTOBER 18, 1976; SCALE: 1"=200'. SEE ROCKSWORTH COUNTY REGISTRY OF DEEDS (RCRD) PLAN No. 9-6614.

MAP 21 LOT 64  
 N/F BEAUVILLERS REV. TRUST  
 JOHN E. & LILLIAN O. BEAUVILLERS, TRS.  
 5 GREEN ROAD  
 RAYMOND, NH 03077  
 RCRD: 4605/0741

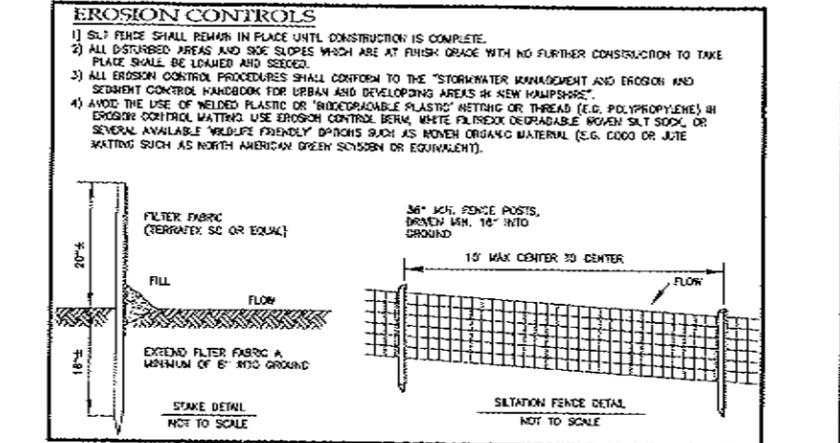
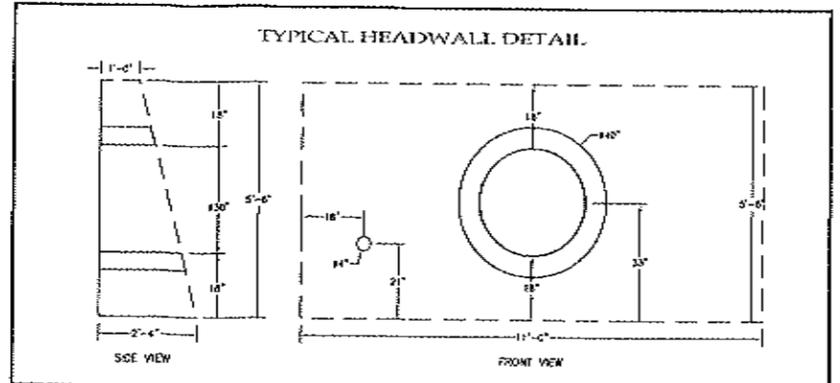
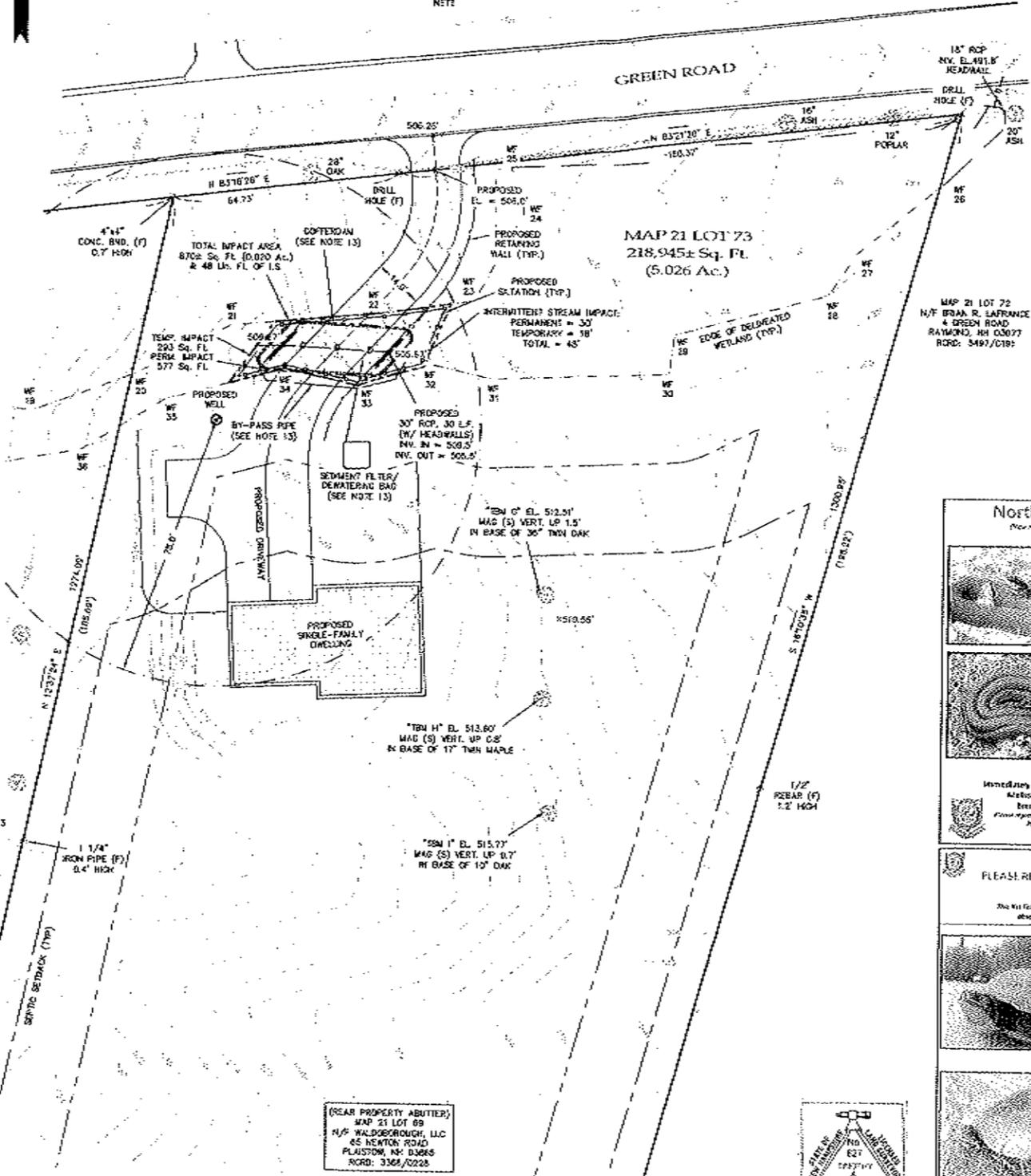
FSD  
 35  
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**NRCS:**

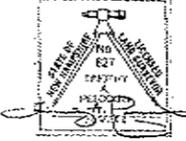
- 140C - CHATFIELD-HOLLIS-CANTON COMPLEX, 8% - 15% SLOPES, ROCKY = 35.5%
- 140D - CHATFIELD-HOLLIS-CANTON COMPLEX, 15% - 35% SLOPES, ROCKY = 60.2%
- 495 - NATURAL MUCKY PEAT, 0% - 2% SLOPES = 5.5%
- 547B - WALPOLE VERY FINE SANDY LOAM, 3% - 6% SLOPES, VERY STONY = 0.8%

MAP 21 LOT 66  
 N/F ROBERT W. PEPPER  
 SHARON WORSWAM  
 26 SORBERN ROAD  
 RAYMOND, NH 03077  
 RCRD: 6018/0694

MAP 21 LOT 72  
 N/F BRAD R. LAFFRANCE  
 & GREEN ROAD  
 RAYMOND, NH 03077  
 RCRD: 3497/0191



(REAR PROPERTY ADJUTER)  
 MAP 21 LOT 69  
 N/F WALPOLEBOROUGH, LLC  
 45 HEATON ROAD  
 PLAINSMOOR, NH 03085  
 RCRD: 3368/0228



**Northern Black Racer**  
*(Rana sylvatica)*

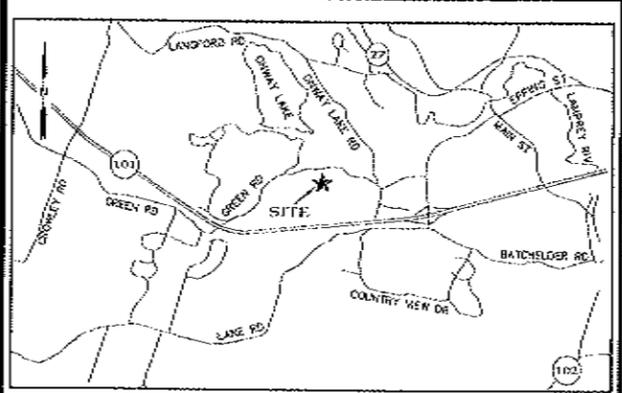
Immediately report sightings to NH Fish and Game  
 Atlantic Region (603) 419-1111 or  
 Eberhard Clifford (603) 944-0285.  
 Please report sightings to the nearest NH Fish and Game office.

PLEASE REPORT OBSERVATIONS OF  
**RARE TURTLES**

The NH Fish & Game Department is requesting observations of low turtle species.

Report sightings to:  
 NH Fish & Game Department  
 100 North Main Street  
 Concord, NH 03301  
 Phone: (603) 271-2700

Report sightings to:  
 NH Fish & Game Department  
 100 North Main Street  
 Concord, NH 03301  
 Phone: (603) 271-2700



PROPOSED DRIVEWAY CROSSING &  
 LOT LAYOUT PLAN  
 DATE: SEPTEMBER 02, 2021

PREPARED FOR:  
 LIBERTY WOODS, LLC  
 724 E. INDUSTRIAL PARK DR. #13  
 WAKEFIELD, NH 03099

SITE LOCATION:  
 MAP 21 LOT 73  
 GREEN ROAD  
 RAYMOND, NEW HAMPSHIRE

SCALE: 1"=20' SHEET 2 OF 2

**Promised Land Survey, LLC**  
 PO Box 447  
 Derry, New Hampshire 03038  
 Tel: (603) 432-2112  
 www.PromisedLandSurvey.com  
 Land Surveying • Mapping • Planning • Permitting • Layout

REV.	DATE	DESCRIPTION	BY

PLS JOB# 3150

## WETLAND IMPACT PLAN



## PHOTOLOG OF IMPACT AREAS



GOVE ENVIRONMENTAL SERVICES, INC.

Photo Log  
Map 21 Lot 73  
Green Road, Raymond, NH  
Taken: 8/18/21

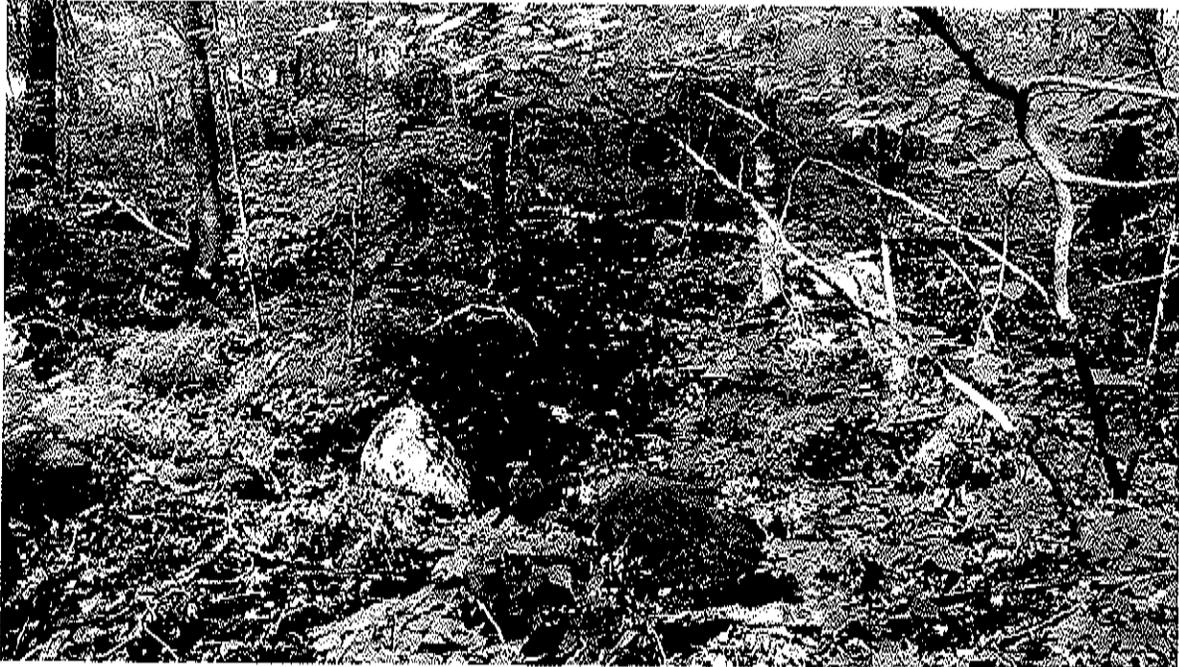


Photo #1:



Photo #2: looking to the west at the proposed crossing location.

Appendix I  
New Hampshire Natural Heritage Bureau Inquiry

New Hampshire Natural Heritage Bureau  
NHB DataCheck Results Letter

---

**To:** Brenden Walden  
8 Continental Dr, Building 2, Unit H  
Exeter, NH 03833

**From:** NH Natural Heritage Bureau

**Date:** 8/26/2021 (This letter is valid through 8/26/2022)

**Re:** Review by NH Natural Heritage Bureau of request dated 8/26/2021

**Permit Type:** Wetland Standard Dredge & Fill - Minimum

**NHB ID:** NHB21-2781

**Applicant:** Brenden Walden

**Location:** Raymond  
Tax Map: 21, Tax Lot: 73  
Address: Green Road

**Proj. Description:** The applicant is proposing a single crossing of an intermittent stream to gain access to the buildable upland on site to construct a single family residential dwelling. The crossing will have 857 SF of direct wetland impact with 30 LF of intermittent stream impact using a 30 inch RCP with headwalls.

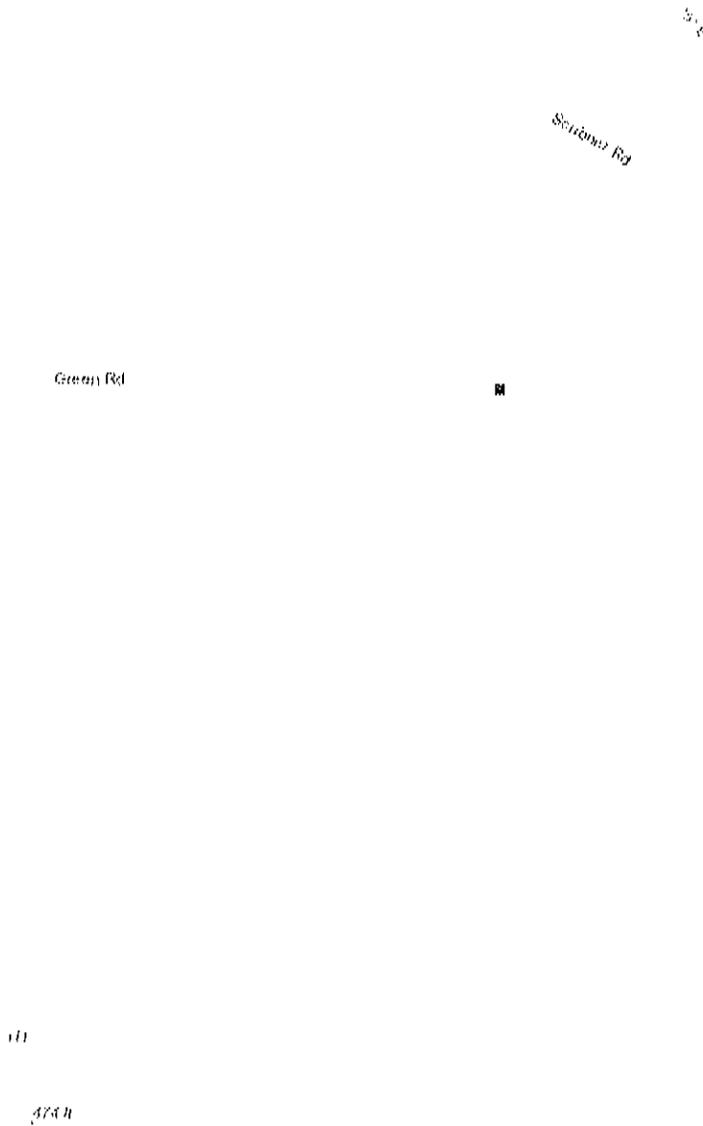
The NH Natural Heritage database has been checked for records of rare species and exemplary natural communities near the area mapped below. The species considered include those listed as Threatened or Endangered by either the state of New Hampshire or the federal government. We currently have no recorded occurrences for sensitive species near this project area.

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

New Hampshire Natural Heritage Bureau  
NHB DataCheck Results Letter

---

MAP OF NOTIFICATION POINTS FOR: NHB21-2781



Appendix II  
New Hampshire Department of Historic Resources Inquiry

Please mail the completed form and required material to:

New Hampshire Division of Historical Resources  
State Historic Preservation Office  
Attention: Review & Compliance  
19 Pillsbury Street, Concord, NH 03301-3570

DHR Use Only	
R&C #	_____
Log In Date	___/___/___
Response Date	___/___/___
Sent Date	___/___/___

## Request for Project Review by the New Hampshire Division of Historical Resources

- This is a new submittal  
 This is additional information relating to DHR Review & Compliance (R&C) #:

### GENERAL PROJECT INFORMATION

Project Title Map 21 Lot 75

Project Location Green Road

City/Town Raymond Tax Map 21 Lot # 73

NH State Plane - Feet Geographic Coordinates: Easting Northing  
(See RPR Instructions and R&C FAQs for guidance.)

Lead Federal Agency and Contact (if applicable) ACOE  
(Agency providing funds, licenses, or permits)  
Permit Type and Permit or Job Reference #

State Agency and Contact (if applicable) NH DES

Permit Type and Permit or Job Reference # Dredge and Fill

### APPLICANT INFORMATION

Applicant Name Liberty Woods, LLC

Mailing Address 724 E. Industrial Park Dr #13 Phone Number

City Manchester State NH Zip 03109 Email keith@my-sterling-home.com

### CONTACT PERSON TO RECEIVE RESPONSE

Name/Company Brenden Walden / Gove Environmental Services, Inc.

Mailing Address 8 Continetal Drive, Bldg 2, Unit H Phone Number 2077107863

City Exeter State NH Zip 03833 Email bwalden@gesinc.biz

*This form is updated periodically. Please download the current form at [www.nh.gov/nhdhr/review](http://www.nh.gov/nhdhr/review). Please refer to the Request for Project Review Instructions for direction on completing this form. Submit one copy of this project review form for each project for which review is requested. Include a self-addressed stamped envelope to expedite review response. Project submissions will not be accepted via facsimile or e-mail. This form is required. Review request form must be complete for review to begin. Incomplete forms will be sent back to the applicant without comment. Please be aware that this form may only initiate consultation. For some projects, additional information will be needed to complete the Section 106 review. All items and supporting documentation submitted with a review request, including photographs and publications, will be retained by the DHR as part of its review records. Items to be kept confidential should be clearly identified. For questions regarding the DHR review process and the DHR's role in it, please visit our website at: [www.nh.gov/nhdhr/review](http://www.nh.gov/nhdhr/review) or contact the R&C Specialist at [marika.labash@dnrcr.nh.gov](mailto:marika.labash@dnrcr.nh.gov) or 603.271.3558.*

**PROJECTS CANNOT BE PROCESSED WITHOUT THIS INFORMATION**

Project Boundaries and Description

- Attach the Project Mapping *using EMMIT or relevant portion of a 7.5' USGS Map.* (See RPR Instructions and R&C FAQs for guidance.)
- Attach a detailed narrative description of the proposed project.
- Attach a site plan. The site plan should include the project boundaries and areas of proposed excavation.
- Attach photos of the project area (overview of project location and area adjacent to project location, and specific areas of proposed impacts and disturbances.) (Informative photo captions are requested.)
- A DHR records search must be conducted to identify properties within or adjacent to the project area. Provide records search results via EMMIT or in **Table 1.** (Blank table forms are available on the DHR website.)  
EMMIT or in-house records search conducted on     /     /     .

Architecture

Are there any buildings, structures (bridges, walls, culverts, etc.) objects, districts or landscapes within the project area?    Yes  No  
If no, skip to Archaeology section. If yes, submit all of the following information:

Approximate age(s):

- Photographs of *each* resource or streetscape located within the project area, with captions, along with a mapped photo key. (Digital photographs are accepted. All photographs must be clear, crisp and focused.)
- If the project involves rehabilitation, demolition, additions, or alterations to existing buildings or structures, provide additional photographs showing detailed project work locations. (i.e. Detail photo of windows if window replacement is proposed.)

Archaeology

Does the proposed undertaking involve ground-disturbing activity?    Yes  No  
If yes, submit all of the following information:

- Description of current and previous land use and disturbances.
- Available information concerning known or suspected archaeological resources within the project area (such as cellar holes, wells, foundations, dams, etc.)

Please note that for many projects an architectural and/or archaeological survey or other additional information may be needed to complete the Section 106 process.

**DHR Comment/Finding Recommendation**   *This Space for Division of Historical Resources Use Only*

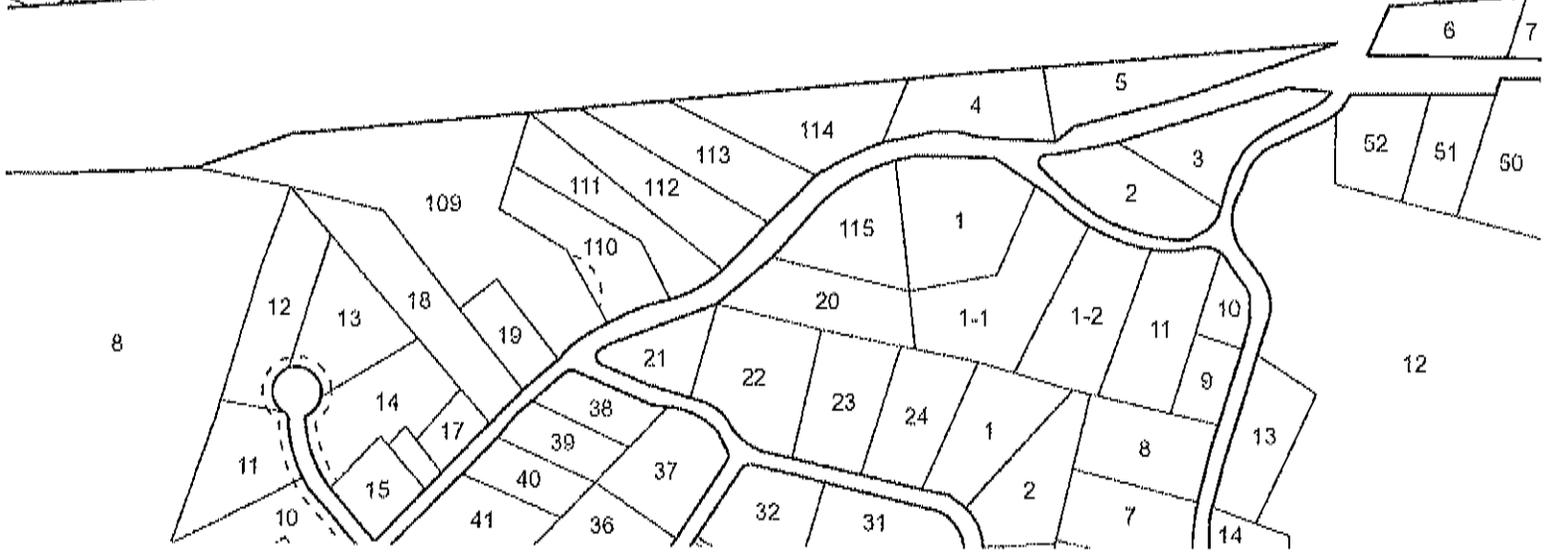
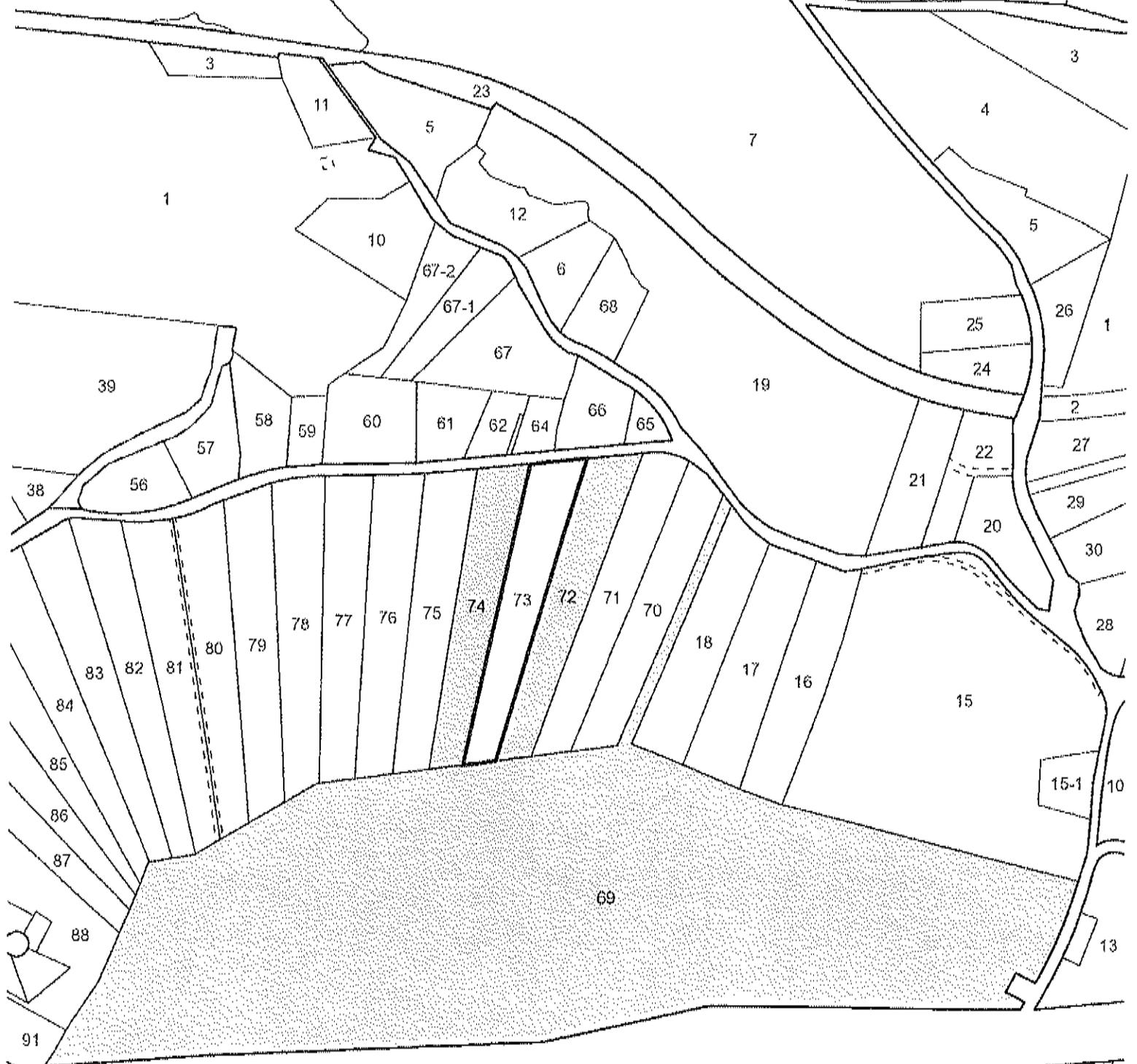
- Insufficient information to initiate review.    Additional information is needed in order to complete review.
- No Potential to cause Effects    No Historic Properties Affected    No Adverse Effect    Adverse Effect

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*If plans change or resources are discovered in the course of this project, you must contact the Division of Historical Resources as required by federal law and regulation.*

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Appendix III  
Tax Map, List of Abutters, Abutter Notification Letter, and Certified Mail Receipts



September 8, 2021

«Name»  
«Street»  
«TownStateZip»

Re: Proposed Single Family Home  
Subject: NH Department of Environmental Services Wetlands Bureau  
Minimum Impact Dredge & Fill Application

Dear Abutter:

The purpose of this letter is to inform you that Liberty Woods, LLC, of Manchester, NH is applying to the NH Department of Environmental Services Wetlands Bureau, which requires this notice for a dredge and fill permit to impact areas under its jurisdiction. The applicant is proposing a project that will have 870 SF of direct wetland impacts and 48 LF of impact to an intermittent stream. The wetland impacts associated with the proposed development are necessary for the applicant to gain access to the buildable upland area on site. The project is proposed on Tax map 21 Lot 73 on Green Road in Raymond, NH.,

A copy of the application, including plans, will be made available for your review at the town offices and at the NH Department of Environmental Services Wetlands Bureau, 29 Hazen Drive in Concord.

If you have any questions that we might be able to answer, please do not hesitate to contact our office.

Sincerely,

Brenden Walden  
GES, Inc.



# 00 foot Abutters List Report

Raymond, NH  
September 08, 2021

## Subject Property:

Parcel Number: 021-000-073-000  
CAMA Number: 021-000-073-000-000  
Property Address: GREEN ROAD

Mailing Address: LIBERTY WOODS, LLC  
724 EAST INDUSTRIAL PARK DRIVE #13  
MANCHESTER, NH 03109

## Abutters:

7021 1970 0001 1537 1063

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9/8/2021

Page 1 of 1



# RAYMOND CONSERVATION COMMISSION

4 EPPING STREET, RAYMOND, NEW HAMPSHIRE 03077  
(603) 895-7017

November 19, 2021

TO: Raymond Planning Board

RE: Green Road Lots – Special Permit – Map 21, Lots 73, 74 75

The Conservation Commission conducted a site walk on 10/21/21 for the three above lots with the owner's representative, Luke Hurley from Gove Environmental, to review the wetland application. The board also discussed the project at the 11/10/21 meeting.

Under Zoning - 4.9.6– Zone G – Conservation District, a Special Permit is required due to impacts within 25 feet of a wetland and within 75 feet of a stream. Zoning – 4.9.3.1 & 4.9.3.4

At the site walk, the board discussed with Gove Environmental an alternative option of one shared driveway versus three driveways, creating one wetland impact instead of three. This option was not feasible due to the topography of the land and the stream location, as it would create more impervious surface.

The board had no concerns with the projects, but has the following recommendations:

1. Natural vegetation be maintained 75 feet from the stream. Zoning - 4.9.1.7
2. Replace disturbed areas around the culverts with native vegetation. Zoning – 4.9.1.7
3. Require an erosion control plan according to 4.9.6.2.3 due to the topography and the disturbed area being next to a flowing stream.

Thank You,

Raymond Conservation Commission  
[ConsComChair@raymond-nh.gov](mailto:ConsComChair@raymond-nh.gov)

CC: Keith Martel, Branden Walden – Gove Environmental

Enc: 10/21/21 & 11/10/21 CC Minutes

## **Raymond Conservation Commission Site Walk – Minutes**

October 21, 2021 at 5:00 P.M. met at Town Office then drove to the properties: Tax Map 021, Lots 73, 74, & 75 along Green Road

Minutes: Site walk to review wetlands permit applications

Chair Jan Kent called the meeting to order at 5:22 P.M. at the site along Green Road

Conservation Commission members present were: Jan Kent, Kathy McDonald, Kris Holleran, and Mike Unger.

Members of the public were: Luke Hurley of Gove Environmental, Owner's agent for the wetlands permit applications.

Chair Kent explained the purpose of this site walk was to review three wetlands permit applications submitted by Gove Environmental. Each application is for a proposed culvert to construct a driveway crossing an intermittent stream to access a proposed single family residential home. There are three applications because there are three existing lots of record.

Chair Kent explained a special permit is required from the Planning Board for Zone G due to permanent impacts from the driveway within 75 feet of a stream and to wetlands and the 25-foot wetland setback.

Members asked if a shared driveway could be constructed to reduce the wetlands impacts. Mr. Hurley explained a shared driveway is not practical because of the topography of the sites. They slope downhill, so a shared drive would require significantly more impact due for clearing and soil cuts and fills.

Mr. Hurley explained concrete culverts are proposed. NH Fish and Game prefers concrete to plastic because concrete is easier for animals to pass through. Blanding and spotted turtles are in the area.

The group walked all three sites. The stream was flowing. The proposed culverts were observed to be at points where the stream is narrow. Mr. Hurley explained headwalls would be used at the inlets and outlets to reduce the amount of fill needed, but some fill will be required to grade the driveways. He explained the NHDES wetlands rules require the culverts to be sized to pass the 50-year storm without backing up water upstream or cutting off flow downstream.

After the site walk, Chair Kent asked if any Commission members had further questions or concerns and none were noted.

Mr. Hurley explained the wetlands permit application has changed from Minimum Expedited to Standard. Gove will submit revised copies. Chair Kent said the Commission will review and vote on the revised applications once received.

Ms. Holleran made a motion to adjourn, and Ms. McDonald seconded, the vote was unanimous. Meeting adjourned at 6:01 P.M.

Respectfully Submitted,  
Michael Unger

**Town of Raymond**  
**Conservation Commission DRAFT Minutes of**  
**November 10, 2021**

**Commission Members in Attendance:**

Jan Kent, Chair  
Kathy McDonald, Vice Chair  
Deb McNelly, Secretary  
Michael Unger

**Meeting Called to Order by:**

Chair Jan Kent at 7:00 PM

**Commission Members Excused:**

Kris Holleran  
Melissa Potter

**Commission Members Absent:**

**Recording Secretary:**

Alvina Snegach

**Members of the Public in Attendance:**

Dennis Garnham, Bear-Paw (joined at 7:03PM)

**Public Input:**

**Agenda Items**

**Eco-Center Sign**

Ms. McNelly said that she had spoken to the school maintenance and facilities coordinator, and he told her the name of the company that was used to make the signs last time. She got a quote for \$375 dollars to replace the sign from that company. Members discussed whether installation could be done by the school, or if they would need to find volunteers to help. Ms. McNelly will find out if the school coordinator would be able to install it and let the members know. She was also asked to find out if sign delivery is included in the quoted price. Ms. McNelly will report at the next meeting on both items.

**Cassier parking project update – Mike**

Mr. Unger provided an update and said that the date was not set yet, but he was hoping, if the weather permits, it could be done by the end of the season. Ms. Kent said that abutters would need to be notified. Mr. Unger will send out a notice to the abutters that the work is scheduled for later this month.

Dennis Garnham from Bear-Paw addressed the ConsCom with a suggestion to put boulders near the gate to prevent ATV's from getting through. He said that it may be possible to excavate them on-site. Members discussed the difficulty of bringing and operating equipment in the wetlands and noted that the contractor had already made plans to use boulders as part of the project. Ms. Kent also suggested to find out whether DPW could help with boulders as well.

**Town of Raymond**  
**Conservation Commission DRAFT Minutes of**  
**November 10, 2021**

44 **Chadwick donation - Review**

45 Ms. Kent provided a brief reminder of the donation history by the Chadwick family who  
46 are trying to preserve about 37 acres of their land by participating in the NICS program  
47 that allows for such preservation. For the parcel to qualify for the program, the Town  
48 has to own it, therefore, they have offered to donate it to the Town; and the Town has  
49 to pay for wildlife management activities on the donated parcel. Members looked at the  
50 survey of the lot to be divided, with the donated portion shown, as well as the access  
51 easement going through the Chadwick's house lot. There are wetlands on the property,  
52 as well as trails. Members discussed what remains to be done; which, according to the  
53 research Ms. Kent and Ms. McDonald have done, is the deed itself. Ms. Kent noted that  
54 the Town had already spent about \$1,500 in legal fees but the process was delayed due  
55 to COVID. Members thanked the Chadwick family for their generous gift to the Town of  
56 Raymond.

57

58 **December/January Newsletters**

59 Ms. Kent displayed the December newsletter on hibernating animals written by Ms.  
60 Holleran. Members reviewed and made minor changes. Later in the meeting Ms.  
61 McNelly offered to draft a newsletter for January about Lamprey River.

62

63 **Finance**

64 **Conservation Fund report (if available)**

65 Ms. Kent said it was not available.

66

67 **Budget line transfers and Bear-Paw membership dues**

68 Ms. Kent noted that she received an invoice for Bear-Paw membership, however, the  
69 ConsCom recently approved paying for NHACC membership and that depleted the line  
70 item for ConsCom dues and membership fees. She said if they approve paying for Bear-  
71 Paw membership they would need to transfer money from another account, which is  
72 Property Maintenance/Signs. The amount for Bear-Paw membership was \$100. After a  
73 brief discussion **Ms. Kent made a motion to transfer \$100 from account # 01-  
74 8052-014 (Property Maintenance/Signs) to account # 01/8052-008 (Dues  
75 and Membership Fees). Mr. Unger duly seconded and motion passed  
76 unanimously.**

77 **Ms. Kent then made a motion to approve paying \$100 for Bear-Paw  
78 membership out of the account # 01-8052-008 (Dues and Membership Fees).  
79 Ms. McDonald duly seconded and motion passed with a unanimous vote in  
80 favor.**

81

82 **Approval of minutes**

83 *October 27, 2021 meeting minutes* draft was reviewed, and changes were made. **Ms.  
84 McNelly made a motion, duly seconded by Mr. McDonald to approve the  
85 minutes of 10/27/2021 as amended. Motion passed with a unanimous vote  
86 in favor.**

**Town of Raymond**  
**Conservation Commission DRAFT Minutes of**  
**November 10, 2021**

87 *September 22, 2021 meeting minutes were deferred to the next meeting as Ms. Kent*  
88 *was not present for part of that meeting, and the remaining members would not*  
89 *constitute a quorum at this time.*

90

91 **Public input.**

92 Dennis Garnham from Bear-Paw addressed the ConsCom and spoke about his recent  
93 communications with the Urban Forestry Center about bridge construction at Dearborn.  
94 Ms. Kent provided a brief background story about Urban Forestry Center involvement  
95 with the original bridge construction and members discussed the current bridge  
96 construction needs. It was noted that it would not be possible to harvest timber on-site,  
97 and it was not clear which wood would be better to construct the structural components  
98 of the bridges, since it is so wet there. Ms. Kent noted that the mahogany decking that  
99 was on the old bridge is in great shape and can be reused. Member also discussed a  
100 possibility of a metal structure as it will last much longer. Members also discussed the  
101 span of the new bridge and the need to find the paperwork with the old bridge design.  
102 Then Mr. Garnham spoke about erosion issues in the access way to Dearborn. He said  
103 that he spoke to the Town and it was not clear if the Town would want to get involved  
104 as it was not owned by it. Ms. Kent added that it was not clear who owns that portion  
105 of land and whether state law prohibits municipalities to spend public funds on private  
106 roads. Members discussed the fact that this road is 95 percent owned by the abutters  
107 and only 5 percent by the town, however, the portion with the erosion problems is used  
108 for public access and whether this could be a case where the Town has some interest in  
109 fixing the area. Mr. Garnham said that it would not be a very extensive project. Ms.  
110 Kent said that Robinson trail was repaired by student interns who used existing  
111 materials to build berms diverting the water to prevent erosion.  
112 ConsCom also asked Mr. Garnham if he was able to find any vernal pools on the  
113 property. He said that he was only able to find one and that one had a stream coming  
114 out of it.

115

116 **Correspondence**

117 **Industrial Drive email**

118 Chair Kent noted that she received an email about Hard Rock quarry pit owners'  
119 potential wetlands impacts due to existing quarry use and future development of the  
120 site. The email had an inquiry about existence of any conservation projects or parcels  
121 that could be used for mitigation related to their project. Ms. Kent reminded members  
122 about the state ARM Fund which is used for collecting money for such mitigation  
123 projects and said that there is a provision that the money can go directly to the  
124 municipality if it has a list of qualifying projects. Members looked at the map of the  
125 quarry and wetlands on it. They also looked at the ARM Fund website to see what the  
126 local mitigation project criteria and examples are. Ms. Kent said that ConsCom would  
127 need to educate themselves on the ARM Fund criteria and combine a list of potential  
128 projects for mitigation in Raymond. Ms. Kent also noted that she will see if she can find  
129 a presentation on the ARM Fund projects or have someone come out to one of the

**Town of Raymond**  
**Conservation Commission DRAFT Minutes of**  
**November 10, 2021**

130 ConsCom meetings to talk to members about it. She said that it would be a good idea  
131 to have someone from the Rockingham Planning Commission provide some assistance.  
132 Ms. McNelly will also check with NHACC if they are able to help.  
133 Ms. Kent noted that she will respond to the email and ask them why they were asking  
134 the Town directly.

135

136 **Other items**

137 **Green Road Special Permit**

138 Ms. Kent noted that the comments to the Planning Board on the Green Road wetlands  
139 permits would have to be provided by December 3rd. Ms. Kent said that there was a  
140 site walk to the property and members would need to go over the minutes to which  
141 comments to provide to the PB. She then displayed the Zoning Ordinance criteria for a  
142 special permit for members to review. It was noted that the site walk minutes did not  
143 mention that the developer suggested maintaining a 75-foot natural vegetative buffer  
144 to the stream and that the ConsCom could put that in the comments. Ms. McDonald  
145 also said that ConsCom suggested a shared driveway to minimize wetland impacts,  
146 which was considered non-feasible by the developer.

147 The following comments were made to be included in the Planning Board letter:

- 148 - Suggestion for one shared driveway to serve all three lots;
- 149 - Recommendation that natural vegetation be maintained within 75 feet of the  
150 stream for all three lots according to Article. 4.9.1.7 of the Raymond Zoning  
151 Ordinance;
- 152 - Recommendation to replant disturbed areas from culvert installs with native  
153 vegetation;
- 154 - According to Article 4.9.6.2.3 of the Raymond Zoning Ordinance, recommend  
155 that the Planning Board require an erosion control plan due to existing  
156 topography and there being a stream;

157

158 **Ms. McDonald made a motion to draft the letter from ConsCom to the**  
159 **Planning Board noting all the above recommendations. Mr. Unger duly**  
160 **seconded and motion passed unanimously.**

161 Ms. Kent will draft the letter and send to members for review.

162

163 Ms. McDonald provided an update on the wrap up Family Fun Festival meeting.

164

165 Mr. Garnham asked if the ConsCom had any plans to propose once more the 75-foot  
166 wetland buffer zoning amendment that was voted down last year. Ms. Kent said that  
167 the ConsCom had no plans of doing it this year.

168 Mr. Garnham also spoke about recent increase in Bear-Paw full time staff dedicated to  
169 finding more parcels for conservation and said that Bear-Paw sent out letters to all  
170 conservation commission seeking project ideas. He said that at one of his recent visits  
171 to Kramer-Ebens properties for monitoring he spoke to Mr. Kramer, who told him that  
172 there is a parcel surrounded by his land and bordering Epping, which is completely

**Town of Raymond**  
**Conservation Commission DRAFT Minutes of**  
**November 10, 2021**

173 landlocked. He was wondering if the Town would be interested in selling it to him.  
174 Members pulled up the map and found the parcel, but there was no information  
175 identifying it. Ms. Kent said that she was not sure if the Town would sell any of its  
176 property and that she would need to find out who the owner is and why there is no  
177 information linked to the parcel on the GIS website.

178 Ms. Kent also noted that ConsCom would need to finish the Town property site visits as  
179 there is no second meeting in November.

180  
181 Ms. McDonald reminded everyone about the seed swap on November 13<sup>th</sup> in Kingston.  
182

183 Next ConsCom Meeting is on December 8, 2021.  
184

185 **Adjournment**

186 **Ms. McDonald made a motion to adjourn, which was duly seconded by Ms.**  
187 **McNelly and passed with a unanimous vote in favor.**

188  
189 The meeting was adjourned at 8:37 pm.

190  
191 Respectfully Submitted,

192  
193 Alvina Snegach  
194 Recording Secretary



## TOWN OF RAYMOND

### Public Works Department

Town Offices

4 Epping Street • Raymond, NH 03077

Tel: (603) 895-7036 • Fax: (603) 895-7064

### Memorandum

FROM: Stephen Brewer, Director of Public Works 

TO: The Honorable Planning Board and Christina McCarthy, Tax Collector, Planning Board Coordinator

Cc: Richard Nunziato, Sr. Highway Foreman  
Greg Arvanitis, Building Inspector  
Maddie Dilonno, Planner  
File: 2022 Driveway Permits

DATE: December 12, 2021

SUBJECT: Evaluation of Proposed Driveways  
Green Road Map 21 – Lots 73, 74 & 75

As requested, I have reviewed the submitted materials associated with the subject driveways and wetland crossings.

The driveways are placed in an acceptable location to access Green Road.

The wetland crossings do appear to be located in such a manner as to minimize impacts. Although the materials provided did not specifically detail the culvert headwalls, I would recommend that they be precast concrete designed to fit with the proposed 30" dia precast pipe and that side slope grading be installed at a slope of 3:1.

Each of these driveways will require a driveway permit through this office. When these permit applications are submitted the driveways for lot 74 and 75 will be conditioned with specific requirements to maintain flow of the existing roadside drainage swale. This can be accomplished by grading the driveway apron to allow the flow to pass over the paved driveway or by excavating a more pronounced and defined ditch line and installing culverts under each driveway to maintain said flows.