

GOVE ENVIRONMENTAL SERVICES, INC.
AGENT

NHDES WETLANDS BUREAU
MINOR IMPACT
DREDGE & FILL APPLICATION

Commercial Addition
Portsmouth Regional Hospital
Portsmouth, NH
January, 2023

Prepared By:

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GES# 2019175

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STANDARD DREDGE AND FILL WETLANDS PERMIT APPLICATION

Water Division / Land Resources Management
[Check the Status of your Application](#)



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

APPLICANT'S NAME:

TOWN NAME:

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

For dredging projects, is the subject property contaminated? • If yes, list contaminant:	<input type="checkbox"/> Yes <input type="checkbox"/> No
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Is there potential to impact impaired waters, class A waters, or outstanding resource waters?	<input type="checkbox"/> Yes <input type="checkbox"/> No
---	--

For stream crossing projects, provide watershed size (see [WPPT](#) or Stream Stats):

SECTION 2 - PROJECT DESCRIPTION (Env-Wt 311.04(i))
 Provide a description of the project and the purpose of the project, the need for the proposed impacts to jurisdictional areas, an outline-of the scope of work to be performed, and whether impacts are temporary or permanent.

SECTION 3 - PROJECT LOCATION
 Separate wetland permit applications must be submitted for each municipality within which wetland impacts occur.

ADDRESS:

TOWN/CITY:

TAX MAP/BLOCK/LOT/UNIT:

US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME:
 N/A

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

SECTION 4 - APPLICANT (DESIRED PERMIT HOLDER) INFORMATION (Env-Wt 311.04(a))		
If the applicant is a trust or a company, then complete with the trust or company information.		
NAME:		
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 5 - AUTHORIZED AGENT INFORMATION (Env-Wt 311.04(c))		
<input type="checkbox"/> N/A		
LAST NAME, FIRST NAME, M.I.:		
COMPANY 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 6 - PROPERTY OWNER INFORMATION (IF DIFFERENT THAN APPLICANT) (Env-Wt 311.04(b))		
If the owner is a trust or a company, then complete with the trust or company information.		
<input 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.		

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

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

des.nh.gov

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):

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

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

JURISDICTIONAL AREA		PERM. SF	PERM. LF	PERM. ATF	TEMP. SF	TEMP. LF	TEMP. ATF
Wetlands	Forested Wetland			<input type="checkbox"/>			<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	Intermittent / Ephemeral Stream			<input type="checkbox"/>			<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"/>
TOTAL							

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 = \$

SECTION 13 - PROJECT CLASSIFICATION (Env-Wt 306.05)

Indicate the project classification.

Minimum Impact Project

Minor Project

Major Project

SECTION 14 - REQUIRED CERTIFICATIONS (Env-Wt 311.11)

Initial each box below to certify:

Initials:	To the best of the signer's knowledge and belief, all required notifications have been provided.
Initials:	The information submitted on or with the application is true, complete, and not misleading to the best of the signer's knowledge and belief.
Initials:	<p>The signer understands that:</p> <ul style="list-style-type: none"> • The submission of false, incomplete, or misleading information constitutes grounds for NHDES to: <ol style="list-style-type: none"> 1. Deny the application. 2. Revoke any approval that is granted based on the information. 3. If the signer is a certified wetland scientist, licensed surveyor, or professional engineer licensed to practice in New Hampshire, refer the matter to the joint board of licensure and certification established by RSA 310-A:1.
Initials:	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:	DATE:
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER):	PRINT NAME LEGIBLY:	DATE:
SIGNATURE (AGENT, IF APPLICABLE):	PRINT NAME LEGIBLY:	DATE:

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".

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)).

- 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 and recommendations from NHB as well as documentation of any consultation requests made to NHFG, communications and information related to the consultation, with the consultation results and recommendations from NHFG. (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.
- For non-tidal shoreline structure projects, the length of shoreline frontage per Env-Wt 311.09(b)(1)

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).



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: HCA Health Services of New Hampshire **TOWN NAME:** Portsmouth

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.

SECTION 1 - WATER ACCESS STRUCTURES (Env-Wt 311.07(b)(1))

Is the primary purpose of the proposed project to construct a water access structure?

No

SECTION 2 - BUILDABLE LOT (Env-Wt 311.07(b)(1))

Does the proposed project require access through wetlands to reach a buildable lot or portion thereof?

No

SECTION 3 - AVAILABLE PROPERTY (Env-Wt 311.07(b)(2))*

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?

**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.*

This after the fact impact to a man made detention basin resulted in under an acre of permanent wetland impact. There were temporary impacts to a duly established prime wetland buffer that encroaches on the property across Borthwick Ave however those impacts will not result in any observable effect to the functions and values of that buffer. Additionally the functions and values of the detention basin will be preserved and maintained as a man made stormwater feature.

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?](#)

The after the fact impacts related to the construction of the oncology wing were minimized to the greatest extent practicable. The existing infrastructure and architecture did narrow the location of the expansion. The size of the expansion was necessary to meet the project objectives and house the necessary rooms, staff and equipment for the wing.

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 project limited the impacts to the detention basin to only what was needed to meet the project objectives. This impact will have no long term effects to the functions and values of the man-made detention basin as the basin was increased in size to account for the additional stormwater as well as the loss to a small portion of the wetland.



STANDARD DREDGE AND FILL
WETLANDS PERMIT APPLICATION
ATTACHMENT A: MINOR AND MAJOR PROJECTS



Water Division/Land Resources Management
Wetlands Bureau

[Check the Status of your Application](#)

RSA/ Rule: RSA 482-A/ Env-Wt 311.10; Env-Wt 313.01(a)(1); Env-Wt 313.03

APPLICANT'S NAME: HCA Health Services OF New Hampshire **TOWN NAME:** Portsmouth

Attachment A is required for *all minor and major projects*, and must be completed *in addition* to the [Avoidance and Minimization Narrative](#) or [Checklist](#) that is required by Env-Wt 307.11.

For projects involving construction or modification of non-tidal shoreline structures over areas of surface waters having an absence of wetland vegetation, only Sections I.X through I.XV are required to be completed.

PART I: AVOIDANCE AND MINIMIZATION

In accordance with Env-Wt 313.03(a), the Department shall not approve any alteration of any jurisdictional area unless the applicant demonstrates that the potential impacts to jurisdictional areas have been avoided to the maximum extent practicable and that any unavoidable impacts have been minimized, as described in the [Wetlands Best Management Practice Techniques For Avoidance and Minimization](#).

SECTION I.I - ALTERNATIVES (Env-Wt 313.03(b)(1))

Describe how there is no practicable alternative that would have a less adverse impact on the area and environments under the Department's jurisdiction.

THE AFTER THE FACT WETLAND IMPACTS RELATED TO THE CONSTRUCTION OF THE ONCOLOGY WING OF THE PORTSMOUTH REGIONAL HOSPITAL WERE THE LEAST IMPACTING ALTERNATIVE AS THE EXISTING ARCHITECTURE OF THE BUILDING WOULD ONLY ALLOW FOR EXPANSION AT THIS PORTION OF THE BUILDING SUITABLE FOR THE PROJECT OBJECTIVES. THE PERMANENT IMPACTS TO THE MAN MADE DETENTION BASIN WERE LIMITED TO THE EXTERIOR OF THE WETLAND WITH TEMPORARY IMPACTS BEING RESTORED PER THE LANDSCAPING PLAN. ADDITIONALLY THE DETENTION BASIN WAS INCREASED IN SIZE TO SUPPORT THE ADDITIONAL STORMWATER AS WELL AS REPLICATED THE LIMITED PERMANENT LOSS DUE TO THE PROJECT CONSTRUCTION.

SECTION I.II - MARSHES (Env-Wt 313.03(b)(2))

Describe how the project avoids and minimizes impacts to tidal marshes and non-tidal marshes where documented to provide sources of nutrients for finfish, crustacean, shellfish, and wildlife of significant value.

The project did not have any direct impacts to marshes that support or provide nutrients for finfish, crustaceans, shellfish and wildlife of significant value.

SECTION I.III - HYDROLOGIC CONNECTION (Env-Wt 313.03(b)(3))

Describe how the project maintains hydrologic connections between adjacent wetland or stream systems.

The impacts were to the exterior of a man-made detention basin, that was increased in size to accommodate the additional stormwater contribution from the expansion. This increase in size will maintain existing hydrology in this area.

SECTION I.IV - JURISDICTIONAL IMPACTS (Env-Wt 313.03(b)(4))

Describe how the project avoids and minimizes impacts to wetlands and other areas of jurisdiction under RSA 482-A, especially those in which there are exemplary natural communities, vernal pools, protected species and habitat, documented fisheries, and habitat and reproduction areas for species of concern, or any combination thereof.

The constructed expansion had direct and temporary wetland impacts to a man made detention basin. This area as it is a man made stormwater feature does not meet the criteria for an exemplary natural community. Additionally this isolated area is surrounded by development as well as roadways and would not be considered suitable habitat for protected species or reproductive habitat for those species.

SECTION I.V - PUBLIC COMMERCE, NAVIGATION, OR RECREATION (Env-Wt 313.03(b)(5))

Describe how the project avoids and minimizes impacts that eliminate, depreciate or obstruct public commerce, navigation, or recreation.

The constructed expansion was conducted entirely on private property and had no negative impacts that would eliminate depreciate or obstruct public commerce, navigation or recreation with the completion of the project.

SECTION I.VI - FLOODPLAIN WETLANDS (Env-Wt 313.03(b)(6))

Describe how the project avoids and minimizes impacts to floodplain wetlands that provide flood storage.

No floodplain wetlands were impacted with the construction activities

SECTION I.VII - RIVERINE FORESTED WETLAND SYSTEMS AND SCRUB-SHRUB – MARSH COMPLEXES (Env-Wt 313.03(b)(7))

Describe how the project avoids and minimizes impacts to natural riverine forested wetland systems and scrub-shrub – marsh complexes of high ecological integrity.

Impacts were directed to a man made detention basin.

SECTION I.VIII - DRINKING WATER SUPPLY AND GROUNDWATER AQUIFER LEVELS (Env-Wt 313.03(b)(8))

Describe how the project avoids and minimizes impacts to wetlands that would be detrimental to adjacent drinking water supply and groundwater aquifer levels.

The proposed project has impacts to a man made storm water feature and will not result in any observable impacts to water quality.

SECTION I.IX - STREAM CHANNELS (Env-Wt 313.03(b)(9))

Describe how the project avoids and minimizes adverse impacts to stream channels and the ability of such channels to handle runoff of waters.

There are no proposed impacts to stream channels with this project.

SECTION I.X - SHORELINE STRUCTURES - CONSTRUCTION SURFACE AREA (Env-Wt 313.03(c)(1))

Describe how the project has been designed to use the minimum construction surface area over surface waters necessary to meet the stated purpose of the structures.

No shoreline structures proposed

SECTION I.XI - SHORELINE STRUCTURES - LEAST INTRUSIVE UPON PUBLIC TRUST (Env-Wt 313.03(c)(2))

Describe how the type of construction proposed is the least intrusive upon the public trust that will ensure safe docking on the frontage.

No shoreline structures proposed

SECTION I.XII - SHORELINE STRUCTURES – ABUTTING PROPERTIES (Env-Wt 313.03(c)(3))

Describe how the structures have been designed to avoid and minimize impacts on ability of abutting owners to use and enjoy their properties.

No shoreline structures proposed

SECTION I.XIII - SHORELINE STRUCTURES – COMMERCE AND RECREATION (Env-Wt 313.03(c)(4))

Describe how the structures have been designed to avoid and minimize impacts to the public's right to navigation, passage, and use of the resource for commerce and recreation.

No shoreline structures proposed

SECTION I.XIV - SHORELINE STRUCTURES – WATER QUALITY, AQUATIC VEGETATION, WILDLIFE AND FINFISH HABITAT (Env-Wt 313.03(c)(5))

Describe how the structures have been designed, located, and configured to avoid impacts to water quality, aquatic vegetation, and wildlife and finfish habitat.

No shoreline structures proposed

SECTION I.XV - SHORELINE STRUCTURES – VEGETATION REMOVAL, ACCESS POINTS, AND SHORELINE STABILITY (Env-Wt 313.03(c)(6))

Describe how the structures have been designed to avoid and minimize the removal of vegetation, the number of access points through wetlands or over the bank, and activities that may have an adverse effect on shoreline stability.

No shoreline structures proposed

PART II: FUNCTIONAL ASSESSMENT	
REQUIREMENTS	Ensure that project meets the requirements of Env-Wt 311.10 regarding functional assessment (Env-Wt 311.04(j); Env-Wt 311.10).
FUNCTIONAL ASSESSMENT METHOD USED: Army Corps of Engineers Highway Methodolog	
NAME OF CERTIFIED WETLAND SCIENTIST (FOR NON-TIDAL PROJECTS) OR QUALIFIED COASTAL PROFESSIONAL (FOR TIDAL PROJECTS) WHO COMPLETED THE ASSESSMENT: BRENDEN WALDEN CWS #297	
DATE OF ASSESSMENT: 9/5/2023	
Check this box to confirm that the application includes a NARRATIVE ON FUNCTIONAL ASSESSMENT: <input checked="" type="checkbox"/>	
For minor or major projects requiring a standard permit without mitigation, the applicant shall submit a wetland evaluation report that includes completed checklists and information demonstrating the RELATIVE FUNCTIONS AND VALUES OF EACH WETLAND EVALUATED. Check this box to confirm that the application includes this information, if applicable: <input checked="" type="checkbox"/>	
Note: The Wetlands Functional Assessment worksheet can be used to compile the information needed to meet functional assessment requirements.	



WETLANDS RULE WAIVER OR DWELLING OVER WATER WAIVER REQUEST FORM

WATER DIVISION/LAND RESOURCES MANAGEMENT
WETLANDS BUREAU



RSA/Rule: RSA 482-A/ Env-Wt 204

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

A person may request a waiver to requirements in Rules Env-Wt 100-900 to accommodate situations where strict adherence to the requirements would not be in the best interests of the public or the environment. A person may also request a waiver of standard for existing dwellings over water pursuant to RSA 482-A:26, III (b).

SECTION 1 - PROJECT LOCATION INFORMATION (Env-Wt 204.03(c))			
ADDRESS: 333 Borthwick Ave	TOWN/CITY: Portsmouth	STATE: NH	ZIP CODE: 03802
TAX MAP/LOT NUMBER: Map 240 Lot 2-1			
SECTION 2 - WAIVER REQUESTOR INFORMATION (Env-Wt 204.03(a))			
LAST NAME, FIRST NAME, M.I.: Walden, Brenden, M.			
MAILING ADDRESS: 8 Continental Drive, Building 2 Unit H			
TOWN/CITY: Exeter		STATE: NH	ZIP CODE: 03833
EMAIL ADDRESS (if available): bwalden@gesinc.biz or if not FAX NUMBER: [REDACTED]		DAYTIME TELEPHONE NUMBER: 207-710-7863	
SECTION 3 - APPLICANT INFORMATION (Env-Wt 204.03(b))			
If request is being made on behalf of someone else, include the following information regarding the person being represented. If requestor is the applicant, check the following box and proceed to Section 4.			
<input type="checkbox"/> Requestor is the applicant.			
LAST NAME, FIRST NAME, M.I.: HCA Health Services of New Hampshire			
MAILING ADDRESS: Po Box 80610			
TOWN/CITY: Indianapolis		STATE: IN	ZIP CODE: 46580
EMAIL ADDRESS (if available): Trip.DeMoss@hcahealthcare.com or if not FAX NUMBER: [REDACTED]		DAYTIME PHONE NUMBER: [REDACTED]	

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

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

www.des.nh.gov

SECTION 4 - WAIVER INFORMATION
SECTION 4A - WAIVER TO RULE Env-Wt 100-900
<input type="checkbox"/> N/A - If you are not requesting a rule waiver, check this box and proceed to Section 4b
Provide the number of the specific section of each rule for which a waiver is sought (Env-Wt 204.03(d)): Env-Wt Env-Wt 306.05(a)(1) & 311.10
Provide a complete explanation of why a waiver is being requested, including an explanation of the operational and economic consequences of complying with the requirement and, if the requested waiver would extend the duration of a permit, the reason(s) why the permit holder was not able to complete the project within the specified time (Env-Wt 204.03(f)(1)): The applicant is seeking relief from the above cited rules regarding the delineation of all jurisdictional areas on the subject property along with the functional assessment of the areas beyond the field delineated areas on the subject property. This is an after the fact application with minimal impacts to a man-made detention basin required to accommodate the oncology wing addition. This location was required due to the existing architecture of the building on site.
If applicable, provide a complete explanation of the alternative that is proposed to be substituted for the requirement in Env-Wt, including written documentation or data, or both, to support the alternative (Env-Wt 204.03(g)): A field delineation of the areas in the relevant vicinity of the expansion was completed and the functions and values of those areas was evaluated.
SECTION 4B – DWELLING OVER WATERS WAIVER UNDER RSA 482-A:26, III(b).
<input checked="" type="checkbox"/> N/A - If you are not requesting a standard waiver, check this box and proceed to Section 5)
Identify the specific standard to which a waiver is being requested (Env-Wt 204.03(e)): RSA 482-A:
Provide a complete explanation of why a waiver is being requested, including a complete explanation of how the statutory criteria of RSA 482-A:26, III(b) will be met (Env-Wt 204.03(f)(2)):

SECTION 5 - ADDITIONAL WAIVER INFORMATION (Env-Wt 204.03(h); Env-Wt 204.03(i))
 (applicable to Waivers of Rules *and* Standards under RSA 482-A:26, III(b))

Indicate whether the waiver is needed for a limited duration and, if so, an estimate of when the waiver will no longer be needed (Env-Wt 204.03(h)):

This waiver is limited to this portion of the project any other projects that may require wetland impacts will either need to request an additional waiver or will need to meet the administrative rules.

Provide a complete explanation of why the applicant believes that having the waiver granted will meet the criteria in Env-Wt 204.05 or 204.06, as applicable (Env-Wt 204.03(i)):

The applicant meets all the criteria outlined in 204.05(a) as this after the fact direct wetland impact to an isolated man made detention basin does not have any significant adverse or avoidable impacts to wetlands, or public health or safety. Additionally, this granting of this waiver would benefit the public to be able to continue the use of the Oncology wing pending a CO.

SECTION 6 - REQUIRED CERTIFICATIONS (Env-Wt 204.04)

Initial each box and sign below to certify:

Initials: [Redacted]	The information provided is true, complete, and not misleading to the knowledge and belief of the signer.
Initials: [Redacted]	The signer understands that: <ul style="list-style-type: none"> • Any waiver granted based on false, incomplete, or misleading information shall be subject to revocation; and • He or she is subject to the penalties for falsification in official matters, currently established in RSA 641.

SECTION 7 - REQUESTOR SIGNATURE (Env-Wt 204.04)

SIGNATURE (APPLICANT): * [Redacted]	PRINT NAME LEGIBLY: [Redacted]	DATE: [Redacted]
SIGNATURE (REQUESTOR): [Redacted]	PRINT NAME LEGIBLY: [Redacted]	DATE: [Redacted]

*In lieu of an applicant signature, you may include a separate signed and dated authorization for the requestor to act on the person's behalf in connection with the request.



WETLANDS RULE WAIVER OR DWELLING OVER WATER WAIVER REQUEST FORM CRITERIA/DECISION



WATER DIVISION/LAND RESOURCES MANAGEMENT WETLANDS BUREAU

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

RSA/Rule: RSA 482-A/ Env-Wt 204

SECTION 1 - WAIVER CRITERIA

SECTION 1A - CRITERIA FOR WAIVERS TO RULES (Env-Wt 204.05)

- (a) The Department shall grant a waiver to a requirement established in subtitle Env-Wt that will not extend the duration of a wetlands permit only if:
(1) Granting a waiver will not result in:
a. An avoidable adverse impact on:
1. The environment or natural resources of the state, including but not limited to jurisdictional areas and protected species or habitat; or
2. Public health or public safety;
b. An impact on abutting properties that is more significant than that which would result from complying with the rule; or
c. A statutory requirement being waived; and
(2) Any benefit to the public or the environment from complying with the rule is outweighed by the operational or economic costs to the applicant.
(b) The Department shall grant a waiver that has the effect of extending the duration of a wetlands permit that does not qualify for the statutory extension under RSA 482-A:3, XIV-a only if:
(1) The permit holder:
a. Was precluded from proceeding under the permit due to actions taken by persons opposed to the project; or
b. Rationally refrained from proceeding under the permit due to reasonable uncertainties surrounding the project's legal viability, which shall not include uncertainties regarding the project's financial viability;
(2) If other permits are required for the project, at least one other permit already has a duration that extends beyond the expiration of the wetlands permit or, if the other permit expires concurrently or prior to the wetlands permit, the permit holder reasonably anticipates that an extension will be obtained; and
(3) Extending the permit will not result in:
a. Adverse impacts on public health or safety, or the environment or natural resources of the state, that would be greater than those accounted for in the permit that was issued; or
b. Adverse impacts on abutting properties that is more significant than that which would have resulted if the project had been initiated in time to be completed during the permit term.

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

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

www.des.nh.gov

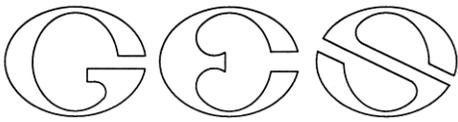
SECTION 1B - CRITERIA FOR WAIVERS UNDER RSA 482-A:26, III(b) (Env-Wt 204.06)

The Department shall grant a waiver under RSA 482-A:26, III(b) if:

- (a) The waiver will not result in:
 - (1) An avoidable adverse impact on the environment or natural resources of the state, public health or public safety;
 - (2) Any interference with the public trust in waters held by the state; or
 - (3) An adverse impact on abutting properties that is more significant than that which would result from complying with the rule; and
- (b) The following criteria from RSA 482-A:26, III(b) are met:
 - (1) The effect of the requested repair or reconstruction represents greater protection of public water or the environment;
 - (2) Such repair or reconstruction does not change a recreational, water-based activity to a land-based, residential or commercial activity;
 - (3) There will be no expansion of the existing footprint, outside dimensions, or square footage of floor space; and
 - (4) There will be a net reduction in the total square footage of kitchen, bathroom, shower, and toilet facilities.

SECTION 2 – DECISION (Env-Wt 204.07)

- (a) The Department shall notify the requestor of the decision in writing. If the request is denied, the Department shall identify the specific reason(s) for the denial.
- (b) If a waiver is granted, the Department shall impose such conditions, including time limitations, as the Department deems necessary to ensure that the activities conducted pursuant to the waiver will be consistent with the applicable criteria.



Date: December 10, 2023

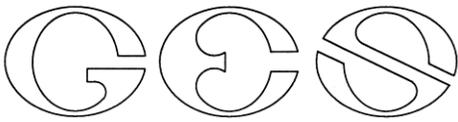
Subject: Functions and Values Analysis

Re: Minor Dredge and Fill Application
333 Borthwick Ave, Portsmouth

The subject property located on 333 Borthwick Ave, in Portsmouth, NH, identified by Tax map 240 Lot 2-1. This is an after the fact project, consisting of the construction of an addition to Portsmouth Regional Hospital to accommodate an newly developed Oncology Wing. The project area was reviewed and field delineated by Brenden Walden, a NH CWS, in the fall of 2019. During the wetland delineation of the property, two wetlands were identified within the scope of the project area with a third off property. These wetlands area identified and discussed below as Wetland A, B, & C. Wetland B the wetland observed off property is discussed as the wetland has been identified as a state prime wetland with a duly established 100 ft wetland buffer that encroaches into the project area. A wetland function and value assessment was conducted using the US Army Corps Highway Methodology for the three wetlands identified and will be discussed in more detail below.

The US Army Corps Highway Methodology considers 13 categories of function or value within a particular wetland area:

- 1. Groundwater recharge/discharge:** This function considers the potential for a wetland to serve as a groundwater recharge and/or discharge area. Recharge should relate to the potential for the wetland to contribute water to an aquifer. Discharge should relate to the potential for the wetland to serve as an area where ground water can be discharged to the surface.
- 2. Floodflow Alteration:** This function considers the effectiveness of the wetland in reducing flood damage by attenuation of floodwaters for prolonged periods following precipitation events.
- 3. Fish and Shellfish Habitat:** This function considers the effectiveness of seasonal or permanent water bodies associated with the wetland in question for fish and shell fish habitat.
- 4. Water Quality—Sediment/Toxicant/Pathogen Retention:** This function reduces or prevents degradation of water quality. It relates to the effectiveness of the wetland as a trap for sediments, toxicants or pathogens.
- 5. Water Quality—Nutrient Removal/Retention/Transformation:** This function relates to the effectiveness of the wetland to prevent adverse effects of excess nutrients entering aquifers or surface waters such as ponds, lakes, streams, rivers or estuaries.
- 6. Production Export:** This function relates to the effectiveness of the wetland to produce food or usable products for human, or other living organisms.
- 7. Sediment/Shoreline Stabilization:** This function relates to the effectiveness of a wetland to stabilize stream banks and shorelines against erosion.
- 8. Wildlife Habitat:** This function considers the effectiveness of the wetland to provide habitat for various types and populations of animals typically associated with wetlands and the wetland edge. Both resident and or migrating species must be considered.
- 9. Recreation:** This value considers the effectiveness of the wetland and associated watercourses to provide recreational opportunities such as canoeing, boating, fishing, hunting and other active or passive recreational activities. Consumptive opportunities consume or



diminish the plants, animals or other resources that are intrinsic to the wetland, whereas non-consumptive opportunities do not.

- 10. Educational/Scientific Value:** This value considers the effectiveness of the wetland as a site for an “outdoor classroom” or as a location for scientific study or research.
- 11. Uniqueness/Heritage:** This value relates to the effectiveness of the wetland or its associated water bodies to produce certain special values. Special values may include such things as archeological sites, unusual aesthetic quality, historical events, or unique plants, animals, or geological features.
- 12. Visual Quality/Aesthetics:** This value relates to the visual and aesthetic qualities of the wetland.
- 13. Threatened or Endangered Species Habitat:** This value relates to the effectiveness of the wetland or associated water bodies to support threatened or endangered species

Functions are self-sustaining properties of wetlands, which exist in the absence of human involvement. Values refers to the benefits gained by human society from a given wetland or ecosystem and their inherit functions. Functions and values identified as “Principal” have been determined to be significant features of the wetland being evaluated. This does not necessarily indicate the wetland supports these functions or values at a significant level in comparison to other wetlands in the region or even near the site. A discussion of the evaluated areas and the associated functions and values is provided in the sections below.

Wetland A:

Wetland A is a man-made wetland system designed to direct stormwater around the hospital ground with hydrologic connections to adjacent wetlands through existing culverts. The wetland is dominantly vegetated with Phragmites, with some shrubs and trees existing along the boundary of the wetland. Areas of open water with unknown depth are present, and there is identified flow occurring near the norther outlet structure. Functions and values associated with this wetland identified with this wetland include, Groundwater Recharge/Discharge, Floodflow Alteration, Sediment and Toxicant Retention, Nutrient Removal, Production Export, Sediment and Shoreline Stabilization, and Wildlife Habitat. These functions are attributed to the nature of the wetland’s development, existing dense vegetation, association with a watercourse and hydrologic connectivity up and down stream. This wetland had no impacts with the associated expansion and is not expected to have any observable effects to the existing identified functions of the wetland.

Wetland B:

Wetland B is a wetland identified off site to the south of the subject property that is classified as a state prime wetland with a duly established 100ft prime wetland buffer that extends on the subject property and encroaches into the project area. This is a large emergent wetland with various areas of ponded water occurring within the wetland. Functions identified with this wetland system included, Groundwater Recharge/Discharge, Floodflow Alteration, Sediment and Toxicant Retention, Nutrient Removal, Production Export, and Wildlife Habitat. These functions would typically be protected by a natural wetland buffer, however, the 100 ft buffer in this case crosses an existing roadway feature and extends onto the subject property, a commercial with limited natural frontage. As it relates to the development of the constructed addition and the temporary impacts that occurred within the prime wetland buffer, to be revegetated, should not have any observable impacts to the identified functions and values of the adjacent off site prime wetland, or its buffer.

Wetland C:



Wetland C is a man-made legally constructed detention basin located south of the Portsmouth regional hospital. This is an isolated stormwater feature that has developed wetland characteristics with dense emergent vegetation growth throughout the area. This wetland is limited on its functions due to its isolated location, overall size, and origin. The functions identified with this wetland consist of Groundwater Recharge/Discharge, Sediment and Toxicant Retention, and Nutrient Removal all typical functions of a stormwater feature. A total of 200 sf of direct permanent impact is a result of the constructed addition, however, with the design of this project the overall size of this detention area has increased and is proposed to be revegetated per the landscaping plans. This expansion of the stormwater feature will likely result in a long term net benefit to the identified functions and values.

Overall, the applicant has limited all wetland impacts to the greatest extent practicable and designed the project to be the least impacting alternative practicable. Though the project is an after the fact the design worked effectively to ensure that there would be no significant loss to any of the overall functions and values of the wetlands identified on the subject property or to adjacent properties and resource areas. The proposed project has limited impacts to the lowest functioning wetland on property. Again, the stormwater feature that was impacted has been increased in size and will be revegetated to replicate pre-project conditions.

This concludes the functions and values analysis for the Minor Dredge and Fill Application for 333 Borthwick Ave, Portsmouth. If you have any other questions or believe I can assist you and any other way please feel free to contact me either by email: bwalden@gesinc.biz or by phone: 207- 710-7863.

Sincerely

Brenden Walden

President & Wetland Scientist
Gove Environmental Services, Inc.



A

C

B

Wetland Function-Value Evaluation Form

Total area of wetland unknown Human made? yes Is wetland part of a wildlife corridor? yes or a "habitat island"? no

Adjacent land use Commercial development and roadway Distance to nearest roadway or other development >50ft

Dominant wetland systems present R2UBFx Contiguous undeveloped buffer zone present no

Is the wetland a separate hydraulic system? no If not, where does the wetland lie in the drainage basin? lower

How many tributaries contribute to the wetland? unknown Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. A

Latitude _____ Longitude _____

Prepared by: BMW Date 12/7/23

Wetland Impact:
Type N/a Area N/a

Evaluation based on:
Office x Field x

Corps manual wetland delineation completed? Y x N _____

Function/Value	Suitability Y / N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
 Groundwater Recharge/Discharge	Y	1,2,4,6,7,9,15	y	wetland associated with a stream, has high density of vegetation, shows varying levels of water depth
 Floodflow Alteration	Y	3,4,5,6,7,8,9,10,11,12,13,15,16,18	y	Wetland associated with a watercourse hydrologically connected to upstream and down stream wetlands.
 Fish and Shellfish Habitat	n	hydroperiod unknown	n	Level of permanent water depth is unknown
 Sediment/Toxicant Retention	Y	1,2,3,4,5,6	y	Slow moving water with high density of vegetation
 Nutrient Removal	Y	3,4,5,6,7,8,9,10,11	y	dense vegetation for nutrient acquisition
 Production Export	Y	1,2,5,7,10,11,	y	associated with a watercourse with potential for flushing
 Sediment/Shoreline Stabilization	Y	1,2,3,4,12,13,15	y	bank of water course is effectively stable from existing vegetation
 Wildlife Habitat	Y	7,8,13,17,18,19,20,21	Y	man influenced wetland with associated water course and dense vegetation
 Recreation	n	10,11	n	private property
 Educational/Scientific Value	n	11,13,14	n	private property
 Uniqueness/Heritage	n	1,10,11,17,	n	private property
 Visual Quality/Aesthetics	n	6,9,12	n	private property
ES Endangered Species Habitat		See NHB		
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland unknown Human made? no Is wetland part of a wildlife corridor? unknown or a "habitat island"? no
 Adjacent land use Institutional, public transit Distance to nearest roadway or other development <50 ft
 Dominant wetland systems present pem1e Contiguous undeveloped buffer zone present yes
 Is the wetland a separate hydraulic system? no If not, where does the wetland lie in the drainage basin? lower
 How many tributaries contribute to the wetland? unknown Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. B
 Latitude _____ Longitude _____
 Prepared by: BMW Date 12/7/23
 Wetland Impact:
 Type temporary Prime wetland Buffer Area 961 sf
 Evaluation based on:
 Office Field
 Corps manual wetland delineation completed? Y N

Function/Value	Suitability Y / N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
 Groundwater Recharge/Discharge	Y	1,2,4,6,9,15	y	large, densely vegetative wetland
 Floodflow Alteration	Y	1,2,3,5,6,7,8,9,10,13,14,18	y	large wetland downstream of smaller wetlands
 Fish and Shellfish Habitat	n		n	no deep water habitat identified
 Sediment/Toxicant Retention	Y	1,3,4,5,6,7,8,9,10,12,15,16	y	large wetland with slow moving hydrology; dense vegetation present
 Nutrient Removal	Y	1,3,4,5,7,8,9,10,11	y	dense vegetation and slow moving hydrology
 Production Export	n	1,2,4,7,	n	no evidence of production leaving wetland
 Sediment/Shoreline Stabilization	n		n	no shoreline identified
 Wildlife Habitat	Y	1,3,6,7,8,13,16,18,19,20,	y	large prime wetland with varying levels of habitat structure to support species
 Recreation	Y	5,7,10,12	n	densely vegetated emergent wetland system with limited opportunities for recreation
 Educational/Scientific Value	Y	2,3,4,6,10,13,	n	no easily accessible access
 Uniqueness/Heritage	Y	1,10,13,16,17,	n	no easily accessible access
 Visual Quality/Aesthetics	Y	2,5,8,12	n	limited vegetation diversity and not easily accessed
ES Endangered Species Habitat		See NHB		
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland unknown Human made? yes Is wetland part of a wildlife corridor? no or a "habitat island"? no

Adjacent land use Commercial/roadway Distance to nearest roadway or other development >50 ft

Dominant wetland systems present PEM1 Contiguous undeveloped buffer zone present no

Is the wetland a separate hydraulic system? no If not, where does the wetland lie in the drainage basin? lower

How many tributaries contribute to the wetland? unknown Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. C

Latitude _____ Longitude _____

Prepared by: BMW Date 12/7/23

Wetland Impact:
Type Fill Area 200 SF

Evaluation based on:
Office X Field X

Corps manual wetland delineation completed? Y X N _____

Function/Value	Suitability Y / N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
 Groundwater Recharge/Discharge	Y	1,2,4,6,9,15	y	Man-Made detention basin with dense vegetation and variable water levels
 Floodflow Alteration	Y	2,5,6,8,14,18	n	Isolated man-made detention basin
 Fish and Shellfish Habitat	n		n	no deep water habitat identified
 Sediment/Toxicant Retention	Y	1,3,4,5,6,8,9	y	man made storm water feature
 Nutrient Removal	Y	3,4,5,7,8,9,10,	y	dense vegetation present
 Production Export	n		n	Isolated man made detention basin with no export occurring
 Sediment/Shoreline Stabilization	n		n	man made stormwater feature no shoreline present
 Wildlife Habitat	n	13,18,19,20,21	n	man made storm water feature in commercial area
 Recreation	n		n	private property / man-made detention basin
 Educational/Scientific Value	n		n	private property / man-made detention basin
 Uniqueness/Heritage	n		n	private property / man-made detention basin
 Visual Quality/Aesthetics	n	9	n	private property / man-made detention basin
ES Endangered Species Habitat		See NHB		
Other				

Notes:

* Refer to backup list of numbered considerations.



**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.

1. Impaired Waters	Yes	No
1.1 Will any work occur within 1 mile upstream in the watershed of an impaired water? See http://des.nh.gov/organization/divisions/water/wmb/section401/impaired_waters.htm to determine if there is an impaired water in the vicinity of your work area.*	X	
2. Wetlands	Yes	No
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 https://www2.des.state.nh.us/nhb_datacheck/ . The book Natural Community Systems of New Hampshire 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?	N/A	
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.)	N/A	
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?	200SF	
2.8 What is the % of previously and proposed fill in wetlands to the overall project site?	Unknown	
3. Wildlife	Yes	No
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: https://www2.des.state.nh.us/nhb_datacheck/ USFWS IPAC website: https://ecos.fws.gov/ipac/location/index	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"> • PDF: https://wildlife.state.nh.us/wildlife/wap-high-rank.html. • Data Mapper: www.granit.unh.edu. • GIS: www.granit.unh.edu/data/downloadfreedata/category/databycategory.html. 		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	
4. Flooding/Floodplain Values	Yes	No
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	
5. Historic/Archaeological Resources		
For a minimum, minor or major impact project - a copy of the Request for Project Review (RPR) Form (www.nh.gov/nhdhr/review) 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: Portsmouth Regional Hospital Oncology Expansion

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*¹ and the NH DES Wetlands Bureau *Code of Administrative Rules*².

2.2.2 Wetland flags were surveyed by Jame Vera and Associates Inc.

2.2.3 Wetlands were classified by GES utilizing the criteria of *Classification of Wetlands and Deepwater Habitats of the United States*³.

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*⁴.

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)*⁵.

¹ 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.

² NH Code Admin. R. [Wt] Ch. 100-1000.

³ 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.

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

⁵ 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 ~20-acre subject property located on Tax Map 240 Lot 2-1 is a commercially developed property for the Portsmouth Regional Hospital located between Interstate 95 and Borthwick Ave. During the limited field assessment in 2019 two manmade emergent wetlands were identified. An isolated legally constructed man-made detention basin located along the frontage of the property, and a large drainage swale with hydrologic connectivity from both wetlands across Borthwick Ave and the adjacent property to the south west. A NH State Designated Prime Wetland (#015) with a duly established 100 ft buffer is located south of the property across from Borthwick Ave. Functions and values of each of those areas are to be discussed in more detail in the attached functional assessment below. The overall property is part of an urbanized area with both commerce and residential areas.

3.0 PROJECT OVERVIEW

The application is for an After the Fact impact that was identified with as the construction was about half underway. The after the fact information related to the impacts is discussed below. The project proposed an expansion of the existing building on property to accommodate an Oncology Wing for Portsmouth Regional Hospital. Due to the current layout and architectural design of the building the expansion area was limited to its proposed area. With the expansion 200 SF of wetland impact was directed to the man-made detention basin with an additional 2,918 SF total of temporary wetland impact. In addition, there was 961 SF of temporary impact identified that occurred within the 100 ft prime wetland buffer. This project impacted the exterior portions of the identified jurisdictional area as well as expanded the detention basin from its original size which will create a long-term benefit to the resource area. The functions and values of the impacted wetland will be replicated and potentially enhanced with the increase size to the area.

3.1 AFTER THE FACT APPLICATION

Env-Wt 311.12 After-the-Fact Applications.

(a) In addition to a complete application package as specified in Env-Wt 311.03, an after-the-fact application shall include the following:

(1) A current conditions plan that clearly identifies all disturbances and construction performed without a permit, delineated as specified in chapter 5 of the US ACE Regional Supplement, available as noted in Appendix B;

Please see attached plans reflecting the full build out.

(2) Copies of aerial photographs and other information to document the basis for the delineation;

A field delineation was conducted prior to the impacts associated with the project per the standards outlined in this application.

(3) A restoration plan for all impacted jurisdictional areas to be restored, prepared by a licensed professional, with a wetland delineation stamped by a certified wetland scientist;

The project is now complete and followed the build out plan as well as the landscaping plan associated with the project. No further restoration of the area should be required as the area was previously part of a man-made detention basin and will revegetate within the next growing season.

(4) A monitoring plan designed to ensure that the restoration is successful; and

The current conditions of the site are stable and vegetation in this area was proposed to remain emergent persistent as was currently present in the remaining areas of the detention basin. Additionally, the area was increased as to maintain its usefulness.

(5) An explanation as to why work was performed prior to having a permit.

Unfortunately at the time that the work was beginning the engineers were not experienced with state processes and how man-made wetlands are still considered jurisdictional at the state level. Once a City Conditional Use Permit was acquired they believed they could begin to conduct work on the property.

(b) Applications received after work is completed shall be subjected to the same technical review and criteria as any other standard application.

We understand and the application is believed to be a permissible project.

(c) The department's acceptance of an after-the-fact application shall not in any way preclude or limit the exercise of any enforcement authority conferred by law on the department, the attorney general, or any other federal, state, or local authority.

We understand.

(d) Subject to (e), below, the department shall process an after-the-fact application in accordance with Env-Wt 312 within 50 days of receiving an administratively complete after-the-fact application, including necessary attachments, for a project having less than one acre of impact and within 75 days for larger projects.

We understand the review timelines for this project.

(e) The time limits in (d), above, shall not apply if:

(1) The project is the subject of an ongoing enforcement investigation, enforcement action, or department of justice case, in which case the timeframe of the ongoing action shall take precedence; or

N/A

(2) The application requires additional information or requires the department to perform a field inspection of the project, in which case the department shall make its decision on the application within 60 days of the receipt of the additional information or completion of the field inspection, as applicable

We understand the time line as stated above.

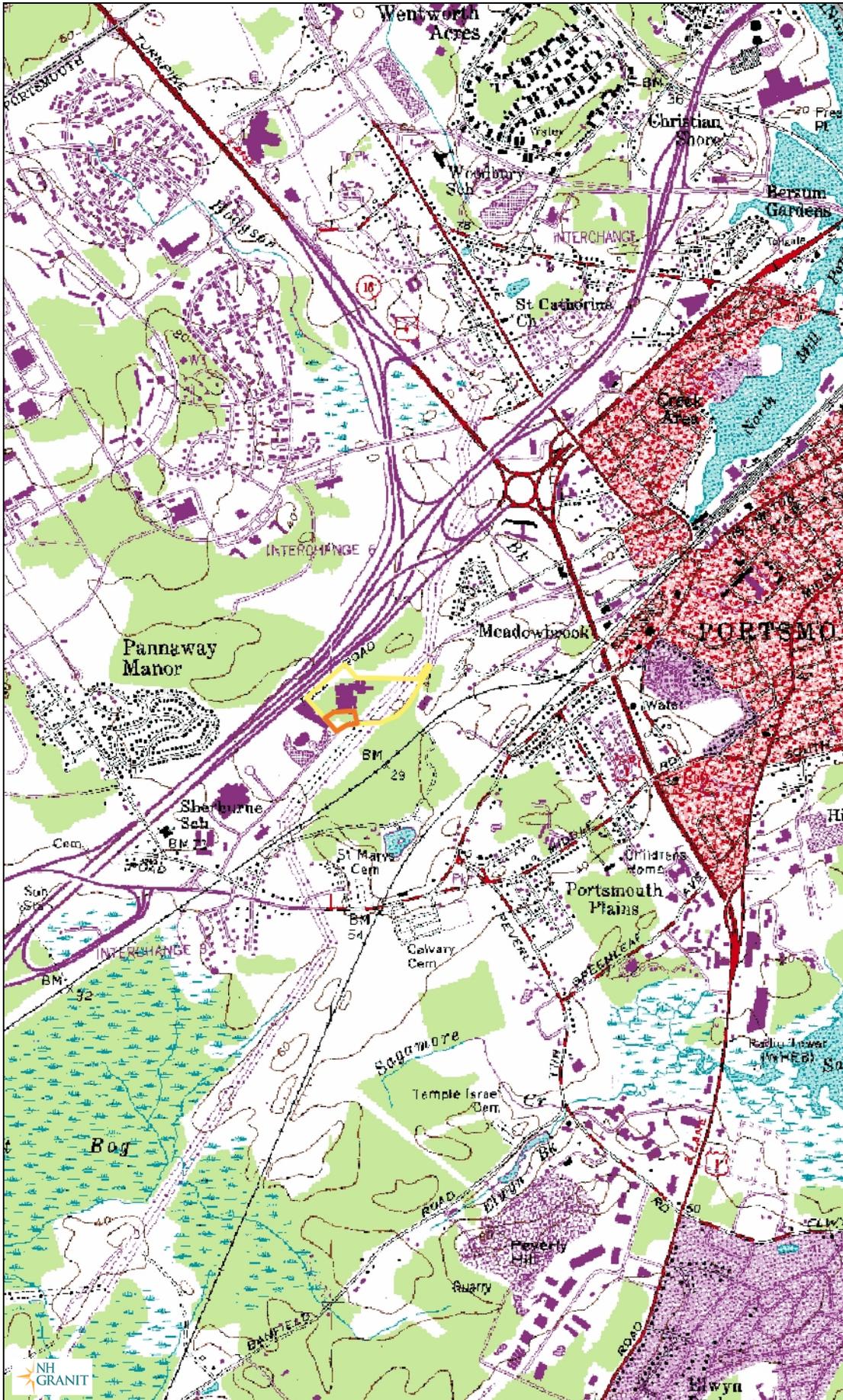
3.2 704.02 SUPPLEMENTARY INFORMATION AND CRITERIA FOR APPROVAL

Env-Wt 704.02 Supplementary Information and Criteria for Approval. An applicant for a project in a prime wetlands/buffer shall submit a functional assessment and impact analysis to demonstrate, by clear and convincing evidence as required by RSA 482-A:11, IV(a), that the criteria in RSA 482-A:11, IV(a) are met, namely that the proposed project, either alone or in conjunction with other human activity, will not result in the significant net loss of any of the values set forth in RSA 482-A:1, reprinted in Appendix D.

The 100 Ft Duly Established State Prime Wetland Buffer encroaches onto the subject property from across Borthwick Ave and has no direct wetland connectivity to the impacted wetland. As identified in the functions and values assessed for the impacted wetland per the ACOE Highway Methodology the man-made detention basin had minimal functions and values purely based on its limited size, location on the landscape and origin relative to the surrounding wetlands. As this wetland was constructed to serve as a detention basin for the purposed of stormwater management of a commercial property, the limited area that was disturbed within the prime wetland buffer will have no long-term negative effects to the functions and values of the disconnected prime wetland or its surrounding buffer. The area will also be revegetated per the landscaping plan attached to maintain the emergent vegetation within the wetland as well as the expansion area of the detention basin.

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

USGS



Legend

- State
- County
- City/Town

Map Scale

1: 24,000

© NH GRANIT, www.granit.unh.edu

Map Generated: 1/10/2024

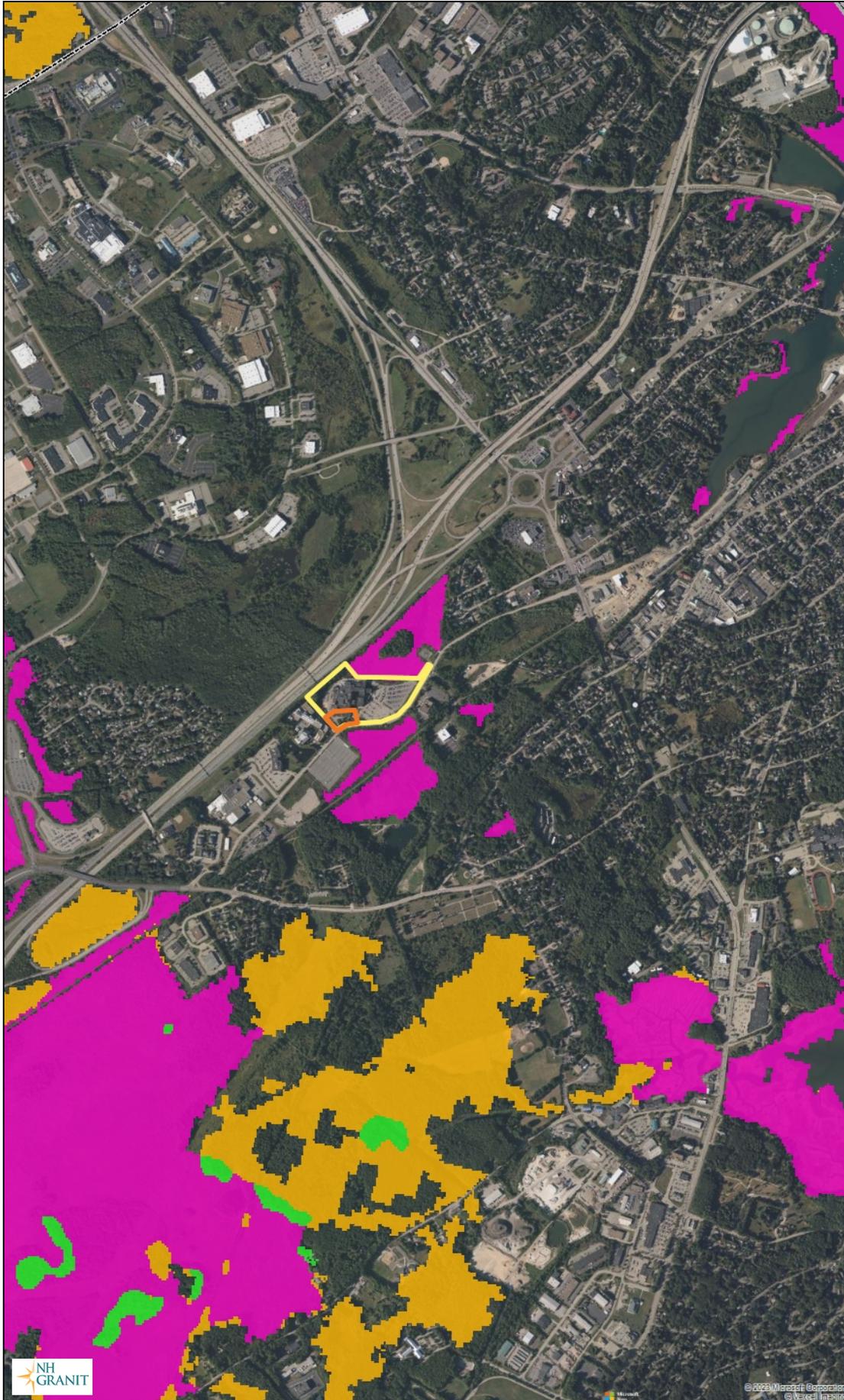


Notes



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

Highest Ranked Habitat



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: 24,000

© NH GRANIT, www.granit.unh.edu

Map Generated: 1/10/2024



Notes



Aerial Imagery

Aerial



Legend

- State
- County
- City/Town

Map Scale

1: 24,000

© NH GRANIT, www.granit.unh.edu

Map Generated: 1/10/2024



Notes



EXISTING CONDITIONS PLAN



GENERAL CONTRACTORS

CIVIL CONSULTANT
KIMLEY-HORN & ASSOCIATES, INC.
401 WYMAN STREET, SUITE 305
WALHAM, MA 02455
MANAGER: CHRIS AREAS

STRUCTURAL CONSULTANT
STANLEY D. LINDSEY & ASSOC., LTD.
790 OLD HICKORY BLVD., BLDG 11, STE 175
BENTWOOD, TN 37027
MANAGER: MARK HILGER

M.P.E. & T. CONSULTANT
I.C. THOMASSON ASSOCIATES, INC.
2950 REAFER DRIVE, SUITE 500
NASHVILLE, TN 37204
MANAGER: JACK MCCOY

HCA
HCA DESIGN MANAGER
MICHAEL WALKER
HCA CONSTRUCTION MANAGER
RYAN MAGUIRE

- NOTES:**
- OWNER OF RECORD.....HCA HEALTH SERVICES OF NH, D/B/A PRH 32902
ADDRESS.....C/O DUCHARME MCMILLEN & ASSOCIATES
DEED REFERENCE.....2784/1340
TAX SHEET / LOT.....240-02-01
PARCEL AREA.....846,664 S.F. 19.44 ACRES
 - ZONED.....OFFICE/RESEARCH (OR) FRONT YARD SETBACK.....50'
MINIMUM LOT AREA.....3 ACRES SIDE YARD SETBACK.....75'
FRONTAGE.....300' REAR YARD SETBACK.....50'
 - THE RELATIVE ERROR OF CLOSURE WAS LESS THAN 1 FOOT IN 15,000 FEET.
 - THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED UPON THE FIELD LOCATION OF ALL VISIBLE STRUCTURES (E CATCH BASINS, MANHOLES, WATER GATES ETC.) AND INFORMATION COMPILED FROM PLANS PROVIDED BY UTILITY COMPANIES AND GOVERNMENTAL AGENCIES. ALL CONTRACTORS SHOULD NOTIFY, IN WRITING, SAID AGENCIES PRIOR TO ANY EXCAVATION WORK AND CALL DIG-SAFE @ 1-888-DIG-SAFE.
 - HORIZONTAL DATUM: NAD 1983 ESTABLISHED BY SURVEY GRADE GPS OBSERVATION AND NGS "OPUS" SOLUTION. REFERENCE FRAME: NAD83 (2011)(EPOCH: 2010.0000), US SURVEY FOOT.
VERTICAL DATUM: NAVD 1988. PRIMARY BENCHMARK: CITY OF PORTSMOUTH "ALBA"
 - ENGINEER OR CONTRACTOR TO VERIFY SITE BENCHMARKS BY LEVELING BETWEEN 2 BENCHMARKS PRIOR TO THE ESTABLISHMENT OF ANY GRADES OR ELEVATIONS. DISCREPANCIES ARE TO BE REPORTED TO JAMES VERRA AND ASSOCIATES, INC..
 - THE PARCEL SHOWN HEREON LIES WITHIN ZONE X (AREAS OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS IDENTIFIED ON FLOOD INSURANCE RATE MAP, ROCKINGHAM COUNTY, NEW HAMPSHIRE, MAP NUMBER 3301SC0260E, EFFECTIVE DATE MAY 17, 2005 BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.
 - LIMIT OF 300' EVERSOURCE ELECTRIC EASEMENT.
 - BRICK GENERATOR ENCLOSURE, TOP OF CONCRETE ELEV.=27.20
 - THE DELINEATION OF THE WETLANDS SHOWN HEREON WAS BY BRENDEN WALDEN NEW HAMPSHIRE CERTIFIED WETLAND SCIENTIST #297, GOVE ENVIRONMENTAL SERVICES, LLC, 8 CONTINENTAL DRIVE, UNIT H, EXETER, NH 03833.
 - THE SUBSURFACE UTILITIES SHOWN HEREON WERE IDENTIFIED BY WADE HANSEN, GROUND PENETRATING RADAR SYSTEMS, INC., 5217 MONROE STREET, SUITE A, TOLEDO, OHIO 43623.
 - AN EXISTING UTIL GAS LINE SOUTHWESTERLY OF THE HOSPITAL IN THE VICINITY OF THE LIBERTY MUTUAL PARCEL & A 6" OLD WATER LINE IN THE SAME AREA WERE NOT FIELD LOCATED BY GROUND PENETRATING RADAR SYSTEMS, INC.

- REFERENCE PLANS:**
- GAS LINE AS-BUILT EASEMENT AND CONSERVATION PLAN, PREPARED FOR HOSPITAL CORPORATION OF AMERICA, PORTSMOUTH, NH, DATED 10/31/85. RCRD PLAN #D-15830.
 - SCHILLER S/S-OCEAN ROAD S/S, 115 KV TRANSMISSION LINE #U181, MILE 4, PLANR-6775-A, DATED 7/10/2009, BY NORTHEAST UTILITIES, NOT RECORDED.
 - SUBDIVISION OF LAND, FRANELTAL REALTY COMPANY, OPTIONED TO LIBERTY MUTUAL INSURANCE COMPANY, PORTSMOUTH, NEW HAMPSHIRE, REVISED TO 2/19/71 RCRD PLAN #2190.

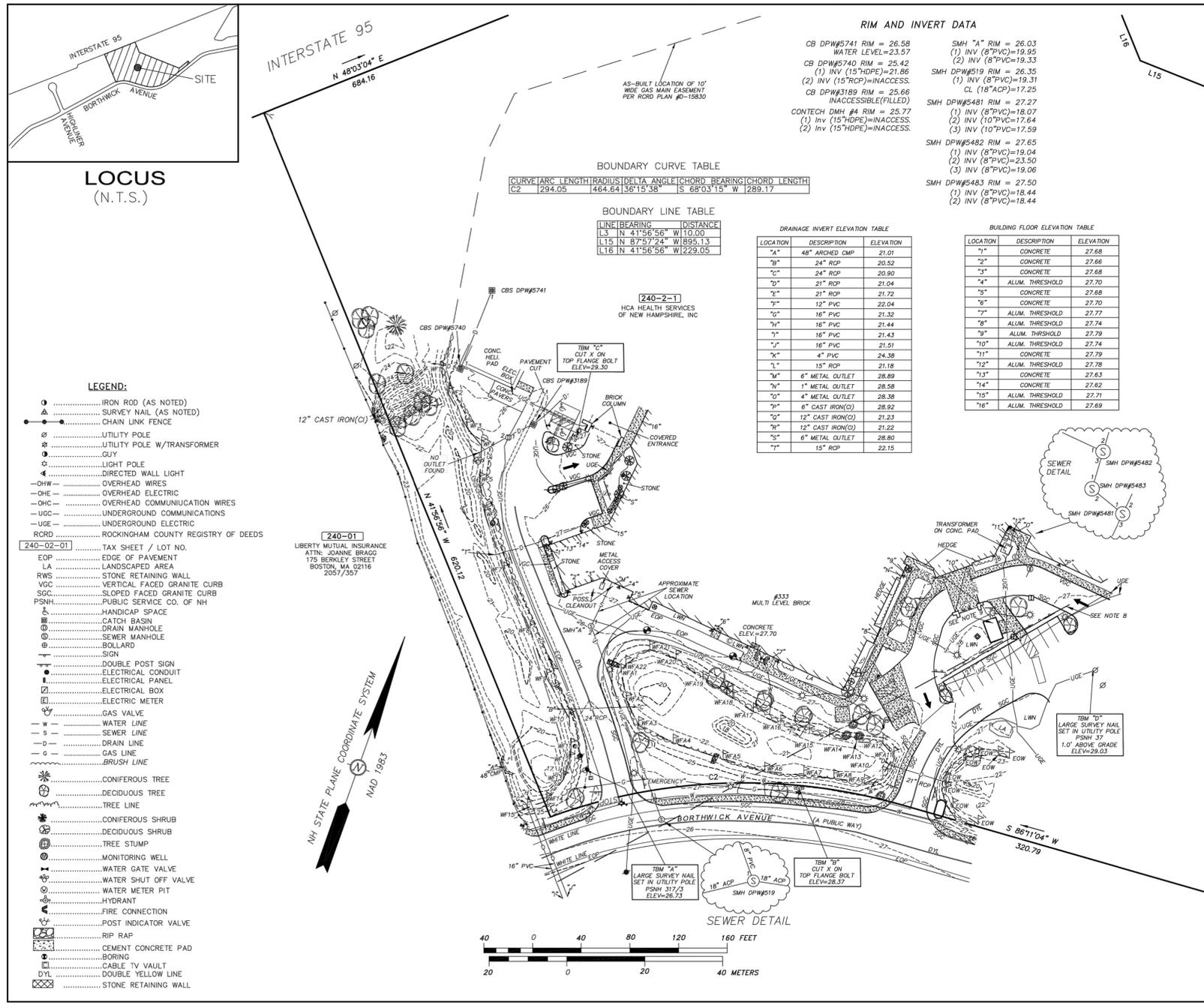
PURSUANT TO RSA 676:18,III AND RSA 672:14

I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN.

James Verra
JAMES VERRA 11-19-2019
DATE



0	11-08-2019	FOR REVIEW & COMMENT	BY
REV. NO.	DATE	DESCRIPTION	APPROV
LIMITED EXISTING CONDITIONS PLAN 333 BORTHWICK AVENUE PORTSMOUTH, NEW HAMPSHIRE ASSESSOR'S PARCEL #240-002-001 for HCA HEALTH SERVICES OF NEW HAMPSHIRE JAMES VERRA and ASSOCIATES, INC.			
GTD		GTD	DATE: 11-19-2019
PROJECT BY		DRAWN BY	JOB NO: 23834
COPYRIGHT © 2019 by JAMES VERRA and ASSOCIATES, INC.			SCALE: 1" = 40'
			DWG NAME: 23834
			PLAN NO: 23834
			SHEET: 1 of 1



- LEGEND:**
- IRON ROD (AS NOTED)
 - SURVEY NAIL (AS NOTED)
 - CHAIN LINK FENCE
 - UTILITY POLE
 - UTILITY POLE W/TRANSFORMER
 - GUY
 - LIGHT POLE
 - DIRECTED WALL LIGHT
 - OVERHEAD WIRES
 - OVERHEAD ELECTRIC
 - OVERHEAD COMMUNICATION WIRES
 - UNDERGROUND COMMUNICATIONS
 - UNDERGROUND ELECTRIC
 - ROCKINGHAM COUNTY REGISTRY OF DEEDS
 - TAX SHEET / LOT NO.
 - EDGE OF PAVEMENT
 - LANDSCAPED AREA
 - STONE RETAINING WALL
 - VERTICAL FACED GRANITE CURB
 - SLOPED FACED GRANITE CURB
 - PUBLIC SERVICE CO. OF NH
 - HANDICAP SPACE
 - CATCH BASIN
 - DRAIN MANHOLE
 - SEWER MANHOLE
 - BOLLARD
 - SIGN
 - DOUBLE POST SIGN
 - ELECTRICAL CONDUIT
 - ELECTRICAL PANEL
 - ELECTRICAL BOX
 - ELECTRIC METER
 - GAS VALVE
 - WATER LINE
 - SEWER LINE
 - DRAIN LINE
 - GAS LINE
 - BRUSH LINE
 - CONIFEROUS TREE
 - DECIDUOUS TREE
 - TREE LINE
 - CONIFEROUS SHRUB
 - DECIDUOUS SHRUB
 - TREE STUMP
 - MONITORING WELL
 - WATER GATE VALVE
 - WATER SHUT OFF VALVE
 - WATER METER PIT
 - HYDRANT
 - FIRE CONNECTION
 - POST INDICATOR VALVE
 - RIP RAP
 - CEMENT CONCRETE PAD
 - BORING
 - CABLE TV VAULT
 - DOUBLE YELLOW LINE
 - STONE RETAINING WALL



SITE PLANS

WETLAND IMPACT PLAN

RESPONSIBILITY: ZCN
 CHECKED BY: SKA
 DATE: 04/25/2022

PORTSMOUTH REGIONAL HOSPITAL Radiation Oncology 376635 Portsmouth, Ohio, E20.v1
 PLOTTED ON: 12/17/2023 9:28:10 AM



WETLAND DISTURBANCE
EX. A



HCA
 HEALTHCARE
 HCA DESIGN MANAGER
 MICHAEL WALKER
 HCA CONSTRUCTION MANAGER
 RYAN MAGUIRE

M.P.E. & T. CONSULTANT
 I.C. THOMASSON ASSOCIATES, INC.
 2950 ARABET DRIVE, SUITE 500
 NASHVILLE, TN 37204
 MANAGER: JACK MCCOY

STRUCTURAL CONSULTANT
 STANLEY D. LINDSEY & ASSOC., LTD.
 750 OLD HICKORY BLVD., BLDG 11, STE 175
 BRENTWOOD, TN 37027
 MANAGER: MARK HILGER

CIVIL CONSULTANT
 KIMLEY-HORN & ASSOCIATES, INC.
 401 WYMAN STREET, SUITE 305
 WATKINS, MA 02455
 MANAGER: CHRIS AREES

VENDOR INFORMATION

WETLAND DISTURBANCE
EX. A



PORTSMOUTH REGIONAL HOSPITAL
RADIATION ONCOLOGY ADDITION
 333 BORTHWICK AVE., PORTSMOUTH, NH
 HCA# 3790200021
 GTF# 376635

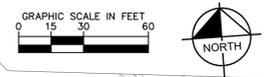
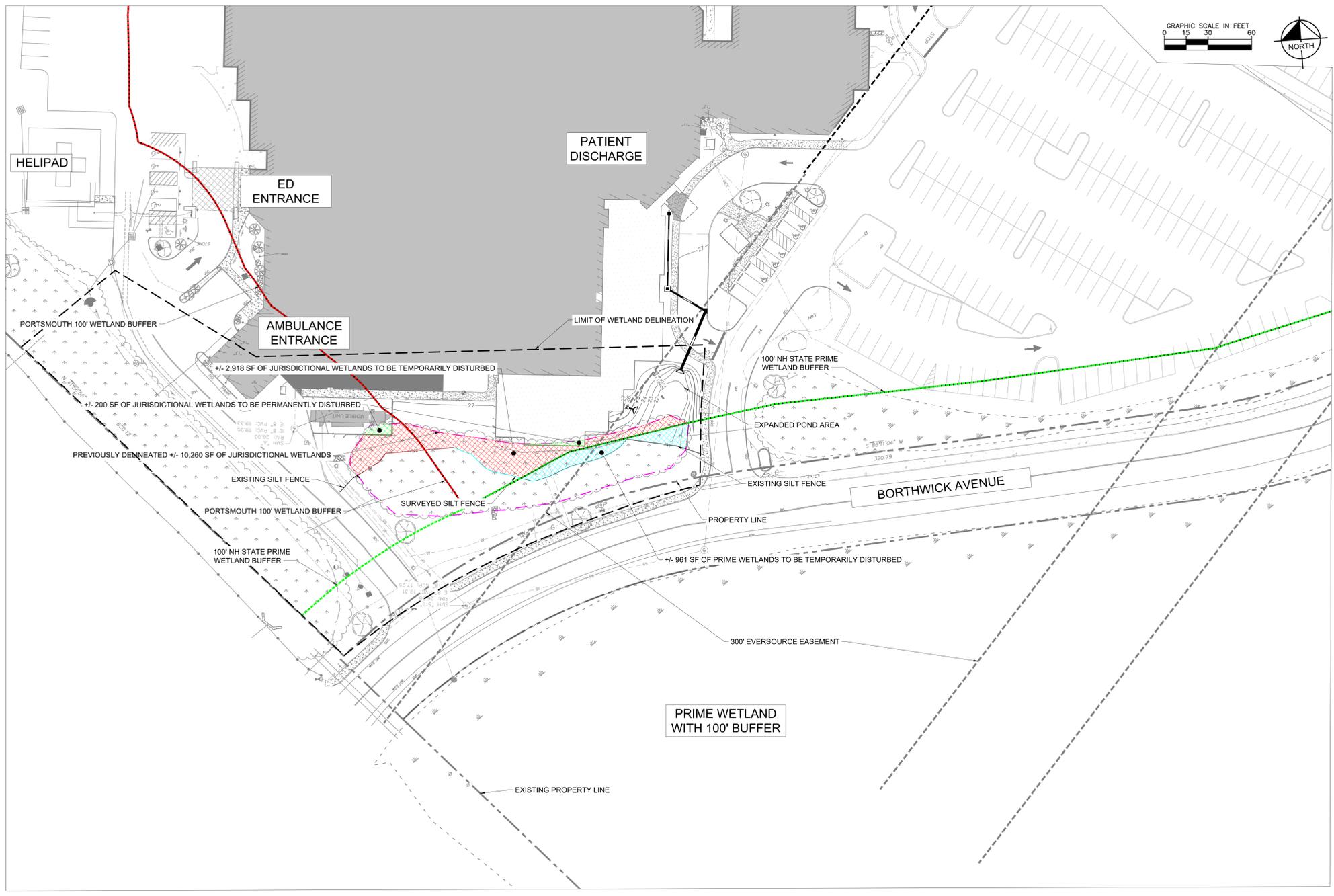
GOULD TURNER GROUP, P.C.
 ARCHITECTURE
 615 3RD AVENUE SOUTH, SUITE 600
 NASHVILLE, TENNESSEE 37210
 © Copyright by Gould Turner Group - 2022

REVISIONS:
 CONSTRUCTION - PRICING
 DOCUMENTS - SET

DATE:
 04/25/2022



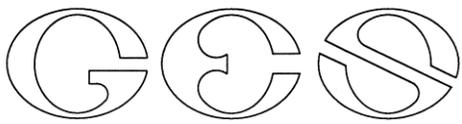
WETLAND DISTURBANCE
EX. A



LEGEND		
TEMPORARILY DISTURBED WETLAND		+/- 2,918 SF
PERMANENTLY DISTURBED WETLAND		+/- 200 SF
TEMPORARILY DISTURBED PRIME WETLAND		+/- 961 SF



PHOTOLOG OF IMPACT AREAS



GOVE ENVIRONMENTAL SERVICES, INC.

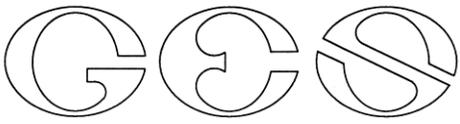
Photo Log
Portsmouth Regional Hospital
Taken: 5/17/23



Photo #1: Looking at the dewatering area for the project.



Photo #2: Another view of the dewatering system.



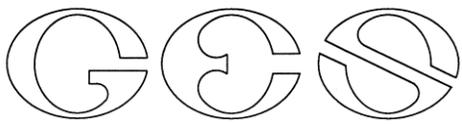
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #3: Looking at the construction area from Borthwick Ave.



Photo #4: Looking at the active construction area.



GOVE ENVIRONMENTAL SERVICES, INC.



Photo #5: Looking at the ongoing construction and erosion control.



Photo #6: Looking at the ongoing construction and erosion controls.

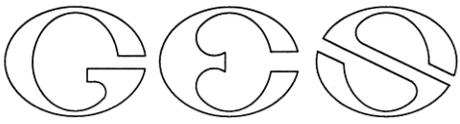
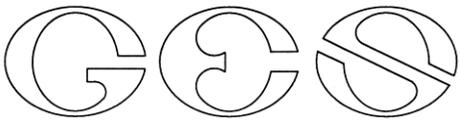


Photo #7: Looking at the erosion control methods adjacent to the construction.



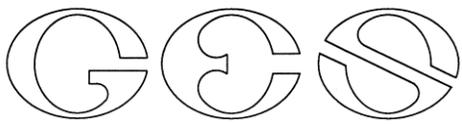
Photo #8: Another view of the erosion control measures.



GOVE ENVIRONMENTAL SERVICES, INC.



Photo #9: Looking at the ongoing construction and erosion controls.



GOVE ENVIRONMENTAL SERVICES, INC.

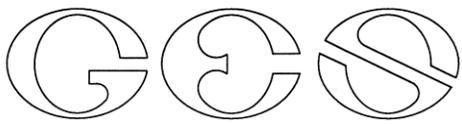
Updated Photo Log
Portsmouth Regional Hospital
Taken: 9/6/23



Photo #1: Looking at the dewatering system that doesn't appear to be in use anymore.



Photo #2: Looking at the continued construction at the location of the mobile unit.



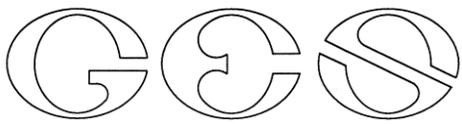
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #3: Looking at the construction activities from Borthwick Ave.



Photo #4: Looking at the almost complete exterior structure.



GOVE ENVIRONMENTAL SERVICES, INC.

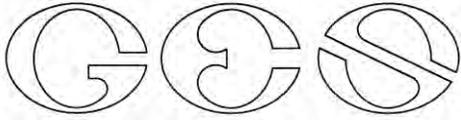


Photo #5: Looking at the almost finished exterior of the ongoing construction.



Photo #6: Looking at the ongoing construction and stable erosion control methods.

FIS 1004 CONSULTATION PACKAGE



GOVE ENVIRONMENTAL SERVICES, INC.

January 10, 2024

NH Fish and Game Department
Attn. Wildlife Division, Nongame Program
11 Hazen Drive
Concord, N.H. 03301

**Re: Request for NHFG Fis 1004 Consultation
NHB23-2592
Portsmouth Regional Hospital Oncology Expansion
333 Borwick Ave
Portsmouth, NH**

Dear NHF&G Reviewer:

We are pleased to provide the following information and enclosed documents in support of a consultation under Fis1004 for the after the fact construction of the oncology expansion for Portsmouth regional hospital in Portsmouth, NH. Several figures depicting the location of the site and proposed work have been attached along with photographs of the site. A wetland report and fill set of plans are included under separate cover.

Fis 1004.03 (c) The following information shall be provided to the department:

(1) A copy of the department of natural and cultural resources NHB DataCheck tool results letter, dated within one year of the date of the consultation request, and which includes the DataCheck tool results letter number;

Please see attached NHB23-2592

(2) The applicant's full name;

HCA Health Services of New Hampshire

(3) The applicant's mailing address;

*PO box 80601
Indianapolis, IN, 46580*

(4) The applicant's telephone number and email address to be used for the purpose of contact;

Attention: Trip DeMoss
Trip.DeMoss@hcahealthcare.com
615.344.1604

(5) If the applicant is a corporation, firm, partnership, association, institution, or public or private agency, the name, mailing address, and email address of the person who will respond to requests for information on behalf of the applicant;

Brenden Walden
Gove Environmental Services, Inc.
bwalden@gesinc.biz
207-710-7863

(6) The name, mailing address, and email address of any person acting as an agent of the applicant, or any consultant who will submit information to the department on behalf of the applicant;

Brenden Walden
Gove Environmental Services, Inc.
bwalden@gesinc.biz
207-710-7863

(7) Description of the proposed action;

The applicant is applying to NH DES for an After the Fact Dredge and Fill Permit for permanent impacts to a man-made detention basin. The project at this time is completed and no further work is being proposed on this area of the property. The project resulted in 200 SF of permanent impact to man-made emergent wetland that was field delineated in 2019. Temporary impacts were associated with the project and are to be restored per the attached landscaping plan.

(8) Description of the project parcel by reference to street address and town, and, if available, a geographical information system defined project boundary;

The ~20-acre project parcel is located on 33 Borthwick Ave, Portsmouth, NH identified on the assessors map as Tax Map 240 Lot 2-1. A tax map has been attached outlining the location of the property.

(9) A listing of any state or federal permits which have been applied for, have been granted, or which will be necessary for the proposed action to proceed;

This is an After the Fact Permit application that will be submitted to NH DES to be in compliance. This will also require a General Permit from ACOE to be in compliance as well.

(10) The current condition of the action area prior to any proposed modifications, including a description of known or discernible actions within the preceding 24 months that have altered the site, including but not limited to, timber harvests, significant impact from storms, removal of gravel or stone, or addition or removal of structures;

Prior to the work having commenced the conditions of the project area consisted of maintained lawn area and moderately maintained detention area with dense cattail growth throughout. As of now the project area is stable and does not have any active work occurring as the project construction is complete.

(11) Any habitat features supporting or that could support threatened and endangered species that have been identified; and

Blanding's Turtle (*Emydoidea blandingii*)

Found in wetland habitats with permanent shallow water and emergent vegetation such as marshes, swamps, bogs, and ponds. Use vernal pools extensively in spring and while traveling through the landscape. May use slow rivers and streams as mechanisms for dispersal between wetlands. Extensive use of terrestrial habitats for nesting and travel among wetlands.

The identified wetlands on site have the capability to be considered potentially suitable habitat for this species however access between wetlands is considered bisected by roadways or constricted by crossings. Since a majority of the impact was considered, temporary there should be no long-term disruptions in this area.

(12) A description of any conservation measures proposed by the applicant to avoid, minimize, or mitigate potential harm to threatened and endangered species and habitat determined to be critical, including but not limited to:

a. Design modifications to proposed actions to protect species from harm.

As this is an After the Fact application it is unclear what design modification were proposed to protect the identified species from harm. At this time the project is complete and there are no construction activities taking place.

b. Modifications to proposed actions such as alteration of the timing of proposed actions to protect species from harm;

As previously stated, this is an After the Fact application and it is unclear if time of year or other actions were taken to protect the species. At this time the project is complete and there are no construction activities taking place.

c. Design crossing structures to maintain and enhance habitat quality and accommodate movement of species;

Based on the proposed plans no crossing structures were proposed with this project.

d. Education and training for construction personnel as to what construction activities have the potential to cause adverse impacts to species;

As previously stated, this is an After the Fact application and it is unclear if educational training for construction personnel was conducted prior to construction activities to protect the species. At this time the project is complete and there are no construction activities taking place.

e. Signage to identify specific locations where construction activities must avoid potential adverse impacts to species;

To my knowledge no signage was placed as it applies to Blandings Turtles.

f. Continued research and monitoring of identified species;

N/A.

g. Protection or restoration of wildlife corridors;

This After the Fact impact was to an isolated man made detention basin with primary impacts being temporary with no long term impacts to any potential corridors that may exist.

h. Maintenance, enhancement, or protection of habitat buffer areas; and

None were proposed with this project.

i. Habitat protection, management, or restoration.

None were proposed with this project.

(d) An applicant seeking consultation to meet permit requirements under Env-Wt 311, Env-Wq 1406.06, or Env-Wq 1503.05, shall provide the following additional information to the department to initiate consultation:

(1) A topographic map identifying the action area at a scale of 1:24,000 or closer, and which shows property lines and the limits of proposed disturbance;

See attached Proposed Impact Map showing the buildout of the After the Fact impact.

(2) An aerial photograph identifying the current condition of the action area at a scale of 1:24,000 or closer and which shows property lines and the limits of proposed disturbance;

See attached most recent google earth aerial photography of the project area.

(3) Site photographs with dates and a photograph location plan, showing existing conditions, habitat features, and possible locations of identified threatened and endangered species, if known;

See attached photo log and photo map.

(4) Project site plan sheets showing the area of proposed disturbance and location of any proposed new or modified structures;

See attached plan sheets.

(5) Any reports created to assess the site, including but not limited to wetland assessments, vernal pool surveys, or other site visit observations; and

Please see attached Wetland Delineation Letter of Findings.

(6) Any other available information, from whatever source, that describe the potential impacts of the proposed action on listed species or habitat.

N/A.

(e) Consultation sought for an “after the fact” permit shall provide the following additional information to the department to initiate consultation:

(1) If pursuant to Env-Wt 311.12:

a. A restoration plan for all impacted jurisdictional areas to be restored, prepared by a licensed professional, with a wetland delineation stamped by a certified wetland scientist;

There is no proposal for a formal restoration of the impacted jurisdictional areas. The temporary impacts will be restored per the proposed landscaping plan.

b. A monitoring plan designed to ensure that the restoration is successful; and

There is no proposed monitoring plan for the disturbances to the man-made detention basin.

c. An explanation as to why work was performed prior to having a permit; or

The project went through the town process and received approvals at the time level for impacts to a man-made wetland. There was a miscommunication with the engineering team, contractors, and GES. At the conception of the project GES was waiting for a determination on classification of permitting level due to the possible encroachment. During this time the engineering team, moved forward with the city permitting for the project, which was approved. Since we had no direction from DES and the project changed hands within the engineering firm, there was a disconnect as it relates to what is required to impact jurisdictional wetlands, man-made or not. This was addressed as the engineer reached back out to GES as it relates to one of the criteria of approval that were required by the city. Since then we have met with DES and begun working towards a permit application with the engineer/applicant.

(2) If pursuant to Env-Wq 1503.31:

a. A current conditions plan that clearly identifies all disturbances and construction performed without a permit;

N/A not AOT related.

b. A description of all prior disturbances on the property; and

N/A not AOT related.

c. An explanation of why work was performed prior to having a permit.

N/A not AOT related.

Fis 1004.04 Signatures and Certifications Required.

(a) Each document, or group of documents intended as a single submission, that is submitted to the department, including but not limited to applications, requests, and reports, shall:

(1) If submitted in paper format, be signed and dated by the applicant, owner or the agent of either, and show the typed or printed name and title, if applicable, of the individual who signed; or

N/A

(2) If submitted in electronic format, be electronically signed and dated by the applicant, owner or the agent of either, and show the name and title, if applicable, of the individual who signed.

See below signature.

(b) Each physical or electronic signature required by (a), above, shall constitute certification by the signer that:

(1) The information contained in or otherwise submitted with the document is true, complete, and not misleading to the best of the signer's knowledge and belief; and

Initial: _____

(2) The signer understands that the submission of false, incomplete, or misleading information shall constitute grounds, pursuant to Fis 1004.13, for the department to:

a. Suspend consultation pending submission of true, complete, and not misleading information;

b. Terminate consultation;

c. Withdraw any recommendations made to the referring state agency under this part; or

d. Report the suspension, termination, or withdrawal of recommendations, and the full circumstances of the submission, to the referring state agency for action in the pending or completed request for a permit or other action.

Initial: _____

If you should have any questions or request for additional information, please don't hesitate to contact me directly. I look forward to your comments.

Sincerely,

Name: Brenden Walden Signature: _____
Title: President & CWS #297
Company: Gove Environmental Services, Inc. Date: January 10, 2024

Attachments: NHB
Aerial Photo
USGS Topo Map
Habitat Cover Map
Highest Ranked Wildlife Habitat Map
Wildlife Corridors Map/Secondary Wildlife Corridors Map
Prioritized Habitat Blocks Map
Conservation Parcels Map
NRCS Soils
Photo Log and Map
Project Plans

NHB



NHB DataCheck Results Letter

NH Natural Heritage Bureau

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

To: Brenden Walden, Gove Environmental Services, Inc.
8 Continental Drive Bldg 2 Unit H
Exeter, NH 03833
info@gesinc.biz

From: NHB Review
NH Natural Heritage Bureau
Main Contact: Ashley Litwinenko - nhbreview@dncr.nh.gov

cc: NHFG Review

Date: 09/05/2023 (valid until 09/05/2024)

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

Permits: NHDES - Wetland Standard Dredge & Fill - Minor, USACE - General Permit

NHB ID: NHB23-2592

Town: Portsmouth
Location: 333 Borthwick Ave

Project Description: The applicant is applying for an after the fact dredge and fill application for impacts to a manmade detention basin associated with the expansion of the hospital's new oncology wing. The impacts involve 200sf of direct permanent impact, 4,400 sf of temporary disturbance, with an expansion of the detention basin of approximately 1,150 SF. No additional wetland impacts are proposed in association with the hospital expansion project.

Next Steps for Applicant:

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

NHB Comments: No comments at this time.

NHFG Comments: Please refer to NHFG consultation requirements below. Please indicate how much of project is still in progress.

NHB Consultation

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

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



NHB DataCheck Results Letter

NH Natural Heritage Bureau

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

NH Fish and Game Department Consultation

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

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

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

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



NHB DataCheck Results Letter

NH Natural Heritage Bureau

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

NHB Database Records:

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

Vertebrate species	State ¹	Federal	Notes
Blanding's Turtle (<i>Emydoidea blandingii</i>)	E	--	Contact the NH Fish & Game Dept (see below).

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

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

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

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

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

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



NHB DataCheck Results Letter

NH Natural Heritage Bureau

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

NHB23-2592



NHB DataCheck Results Letter

NH Natural Heritage Bureau

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

NHB23-2592

EOCODE:

ARAD04010*632*NH

New Hampshire Natural Heritage Bureau - Animal Record

Blanding's Turtle (*Emydoidea blandingii*)

Legal Status

Federal: Not listed
State: Listed Endangered

Conservation Status

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

Description at this Location

Conservation Rank: Not ranked
Comments on Rank: --

Detailed Description: 2011: Area 12906: 1 adult observed.

General Area: 2011: Area 12906: Marsh along railroad tracks.

General Comments: --

Management --

Comments:

Location

Survey Site Name: Meadowbrook
Managed By: Hospital Corporation of America

County: Rockingham

Town(s): Portsmouth

Size: 1.9 acres

Elevation:

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

Directions: 2011: Area 12906: Marsh adjacent to 333 Borthwick Avenue, behind Portsmouth Regional Hospital.

Dates documented

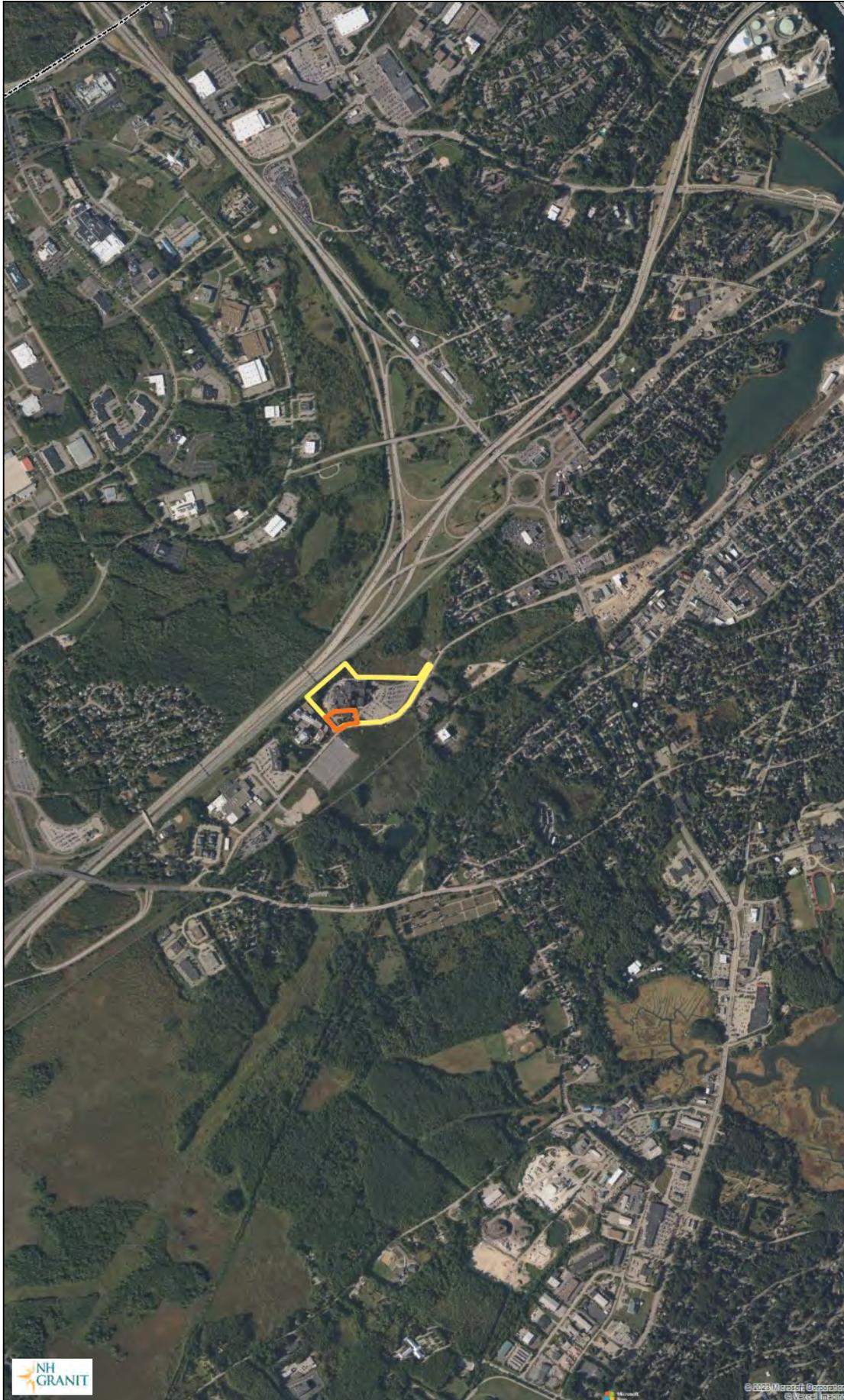
First reported: 2011-05-07

Last reported: 2011-05-07

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

AERIAL PHOTO

Aerial



Legend

- State
- County
- City/Town

Map Scale

1: 24,000

© NH GRANIT, www.granit.unh.edu

Map Generated: 1/10/2024

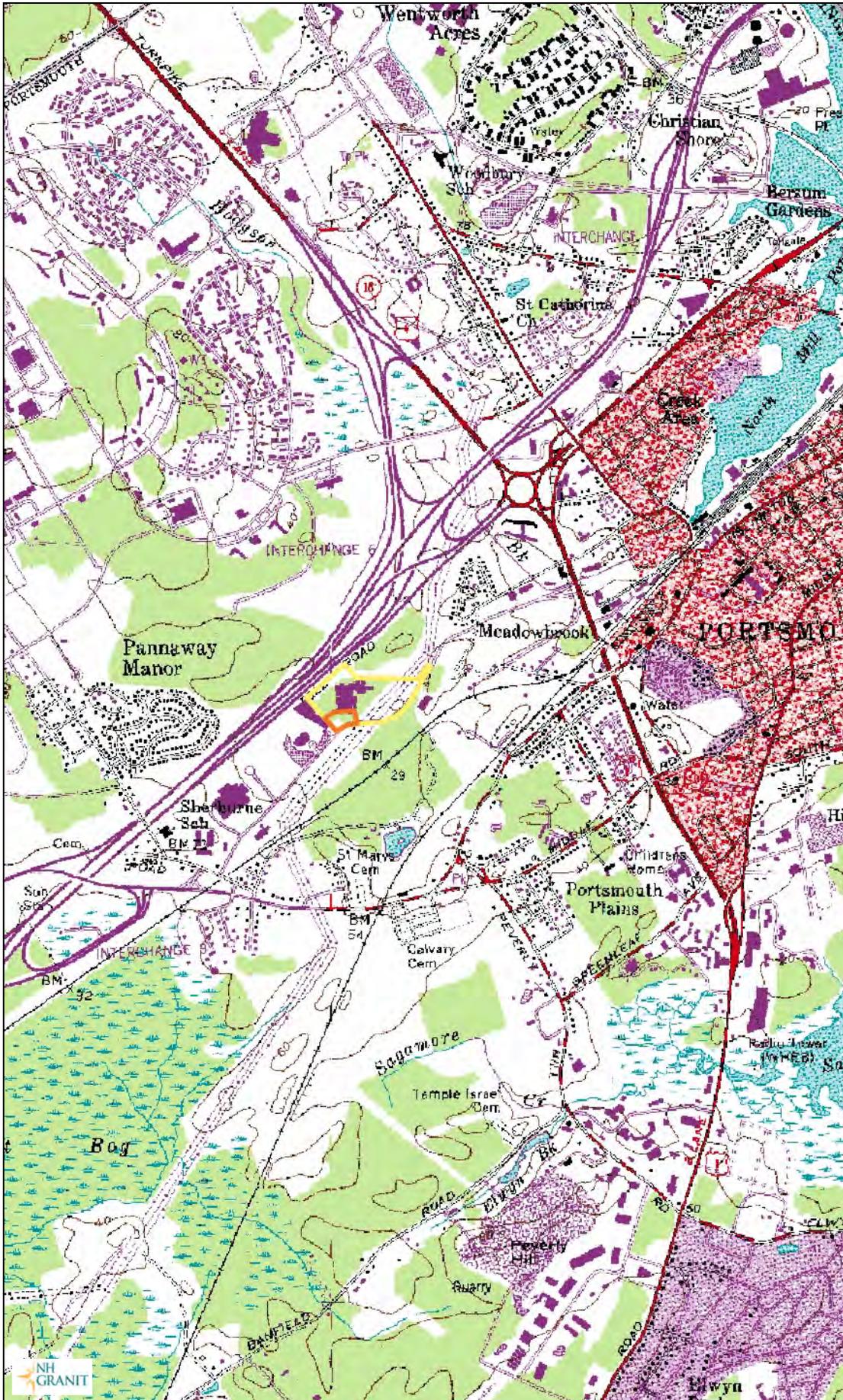


Notes



USGS TOPO MAP

USGS



Legend

- State
- County
- City/Town

Map Scale

1: 24,000

© NH GRANIT, www.granit.unh.edu

Map Generated: 1/10/2024

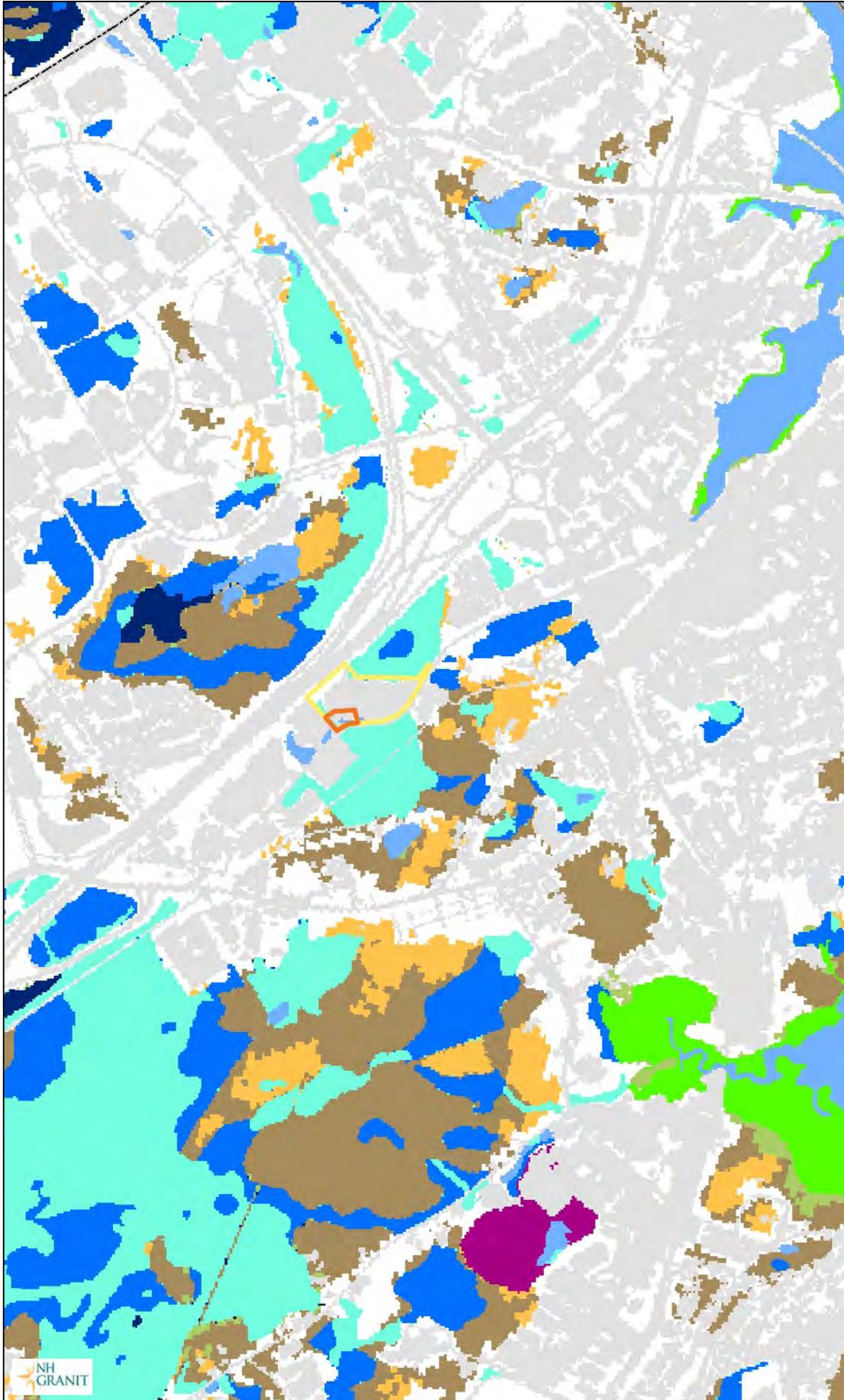


Notes



HABITAT COVER MAP

Habitat Cover



Legend

- State
- County
- City/Town
- WAP 2020: Wildlife Habitat I Cover
- Alpine
- Appalachian oak-pine
- Cliff and Talus slope
- Coastal island and Rocky coast
- Developed Impervious
- Developed or Barren land
- Dune
- Floodplain forest
- Grassland
- Hemlock-hardwood-pine
- High-elevation spruce-fir
- Lowland spruce-fir
- Northern hardwood-conifer
- Northern swamp
- Open water
- Peatland
- Pine barren
- Rocky ridge
- Salt marsh
- Sand/Gravel
- Temperate swamp
- Marsh and shrub wetland

Map Scale

1: 24,000



© NH GRANIT, www.granit.unh.edu

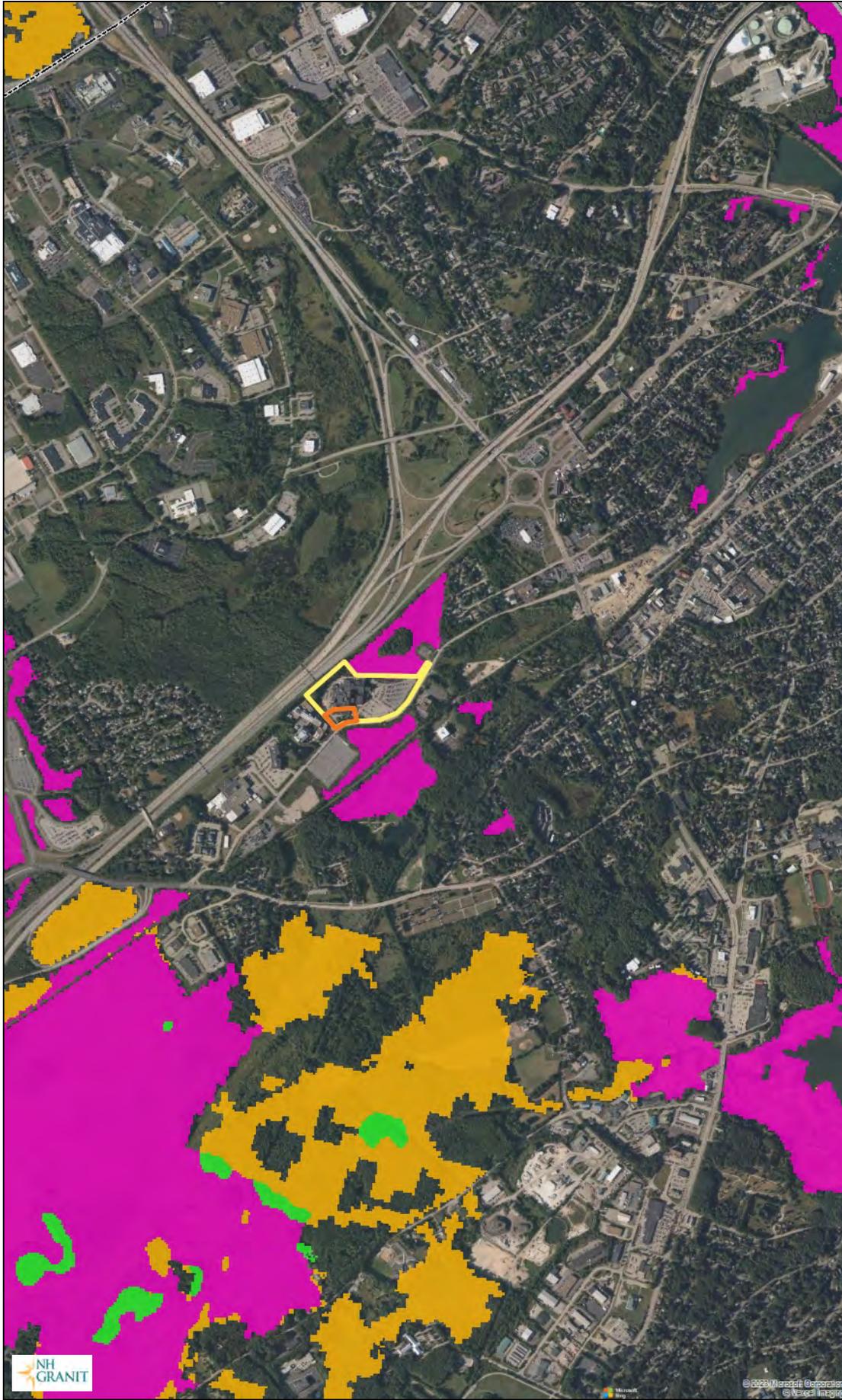
Map Generated: 1/10/2024

Notes



HIGHEST RANKED WILDLIFE HABITAT MAP

Highest Ranked Habitat



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: 24,000



© NH GRANIT, www.granit.unh.edu

Map Generated: 1/10/2024

Notes



**WILDLIFE CORRIDORS MAP/SECONDARY WILDLIFE
CORRIDORS MAP**

Wildlife Corridors



Legend

- Wildlife Corridors
- State
- County
- City/Town

Map Scale

1: 24,000

© NH GRANIT, www.granit.unh.edu

Map Generated: 1/10/2024



Notes



Secondary Wildlife Corridors



Legend

- Wildlife Secondary Corridors
- State
- County
- City/Town

Map Scale

1: 24,000

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Map Generated: 1/10/2024

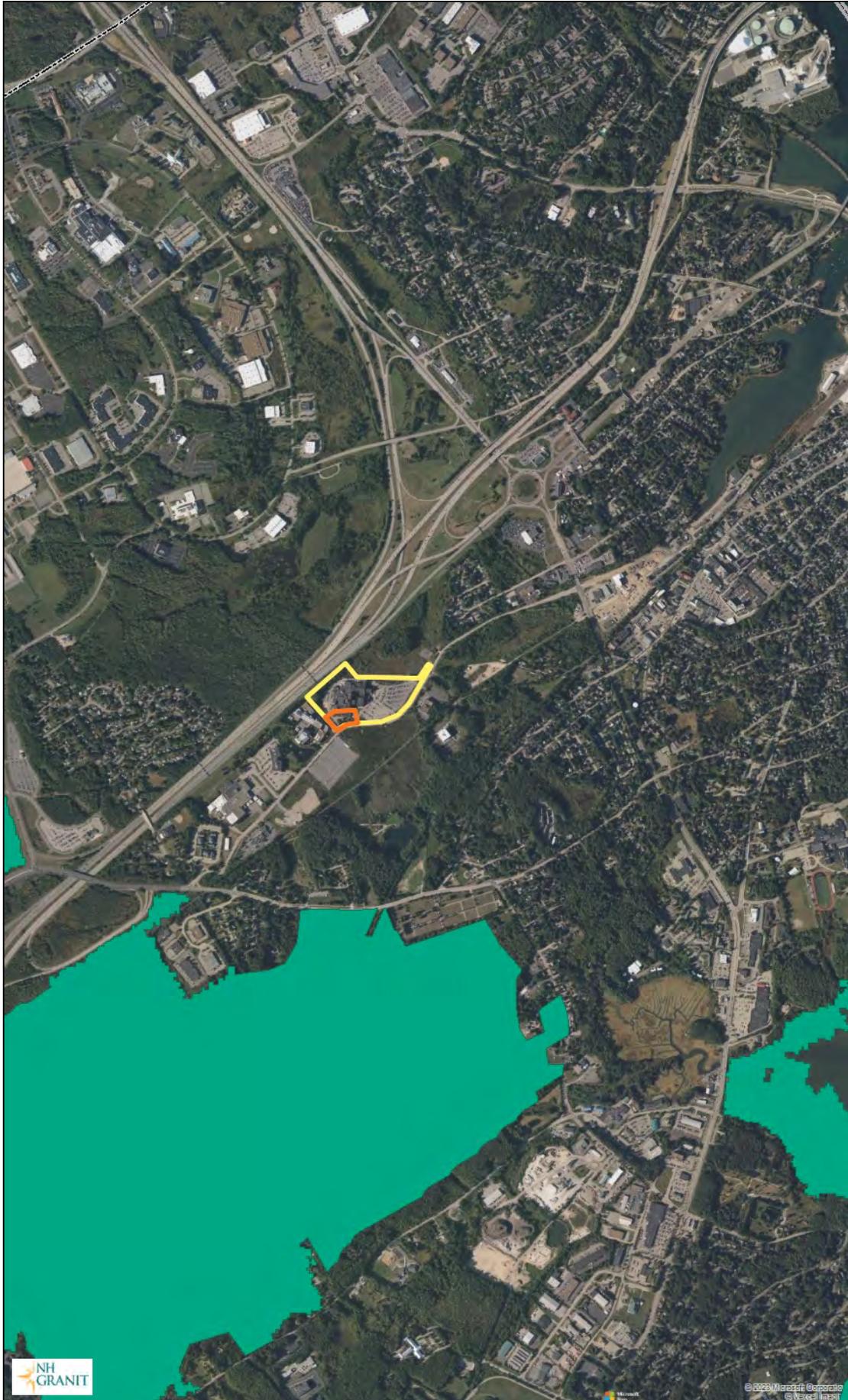


Notes



PRIORITIZED HABITAT BLOCKS MAP

Prioritized Habitat Blocks



Legend

- Prioritized Habitat Blocks
- State
- County
- City/Town

Map Scale

1: 24,000

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Map Generated: 1/10/2024



Notes



CONSERVATION PARCELS MAP

Conservation Land



Legend

- State
- County
- City/Town
- Conservation and Public Land

Map Scale

1: 24,000

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Map Generated: 1/10/2024

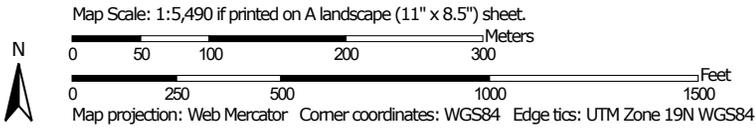
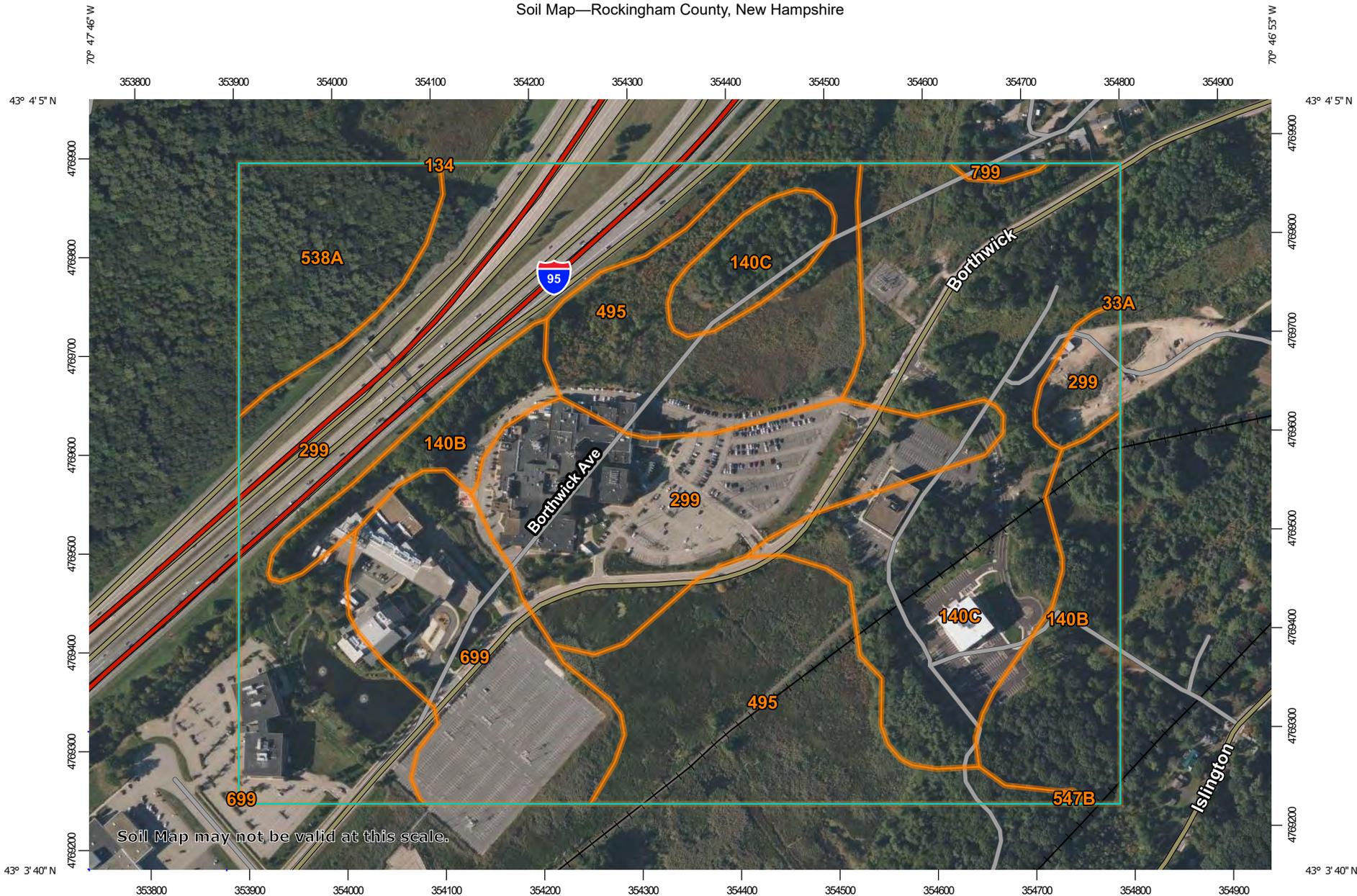


Notes



NRCS SOILS

Soil Map—Rockingham County, New Hampshire



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Rockingham County, New Hampshire

Survey Area Data: Version 26, Aug 22, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

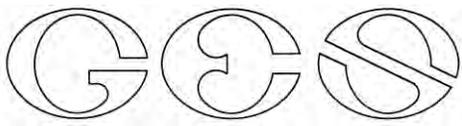
Date(s) aerial images were photographed: Jun 19, 2020—Sep 20, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
33A	Scitico silt loam, 0 to 5 percent slopes	0.0	0.0%
134	Maybid silt loam	0.0	0.0%
140B	Chatfield-Hollis-Canton complex, 0 to 8 percent slopes, rocky	13.1	9.1%
140C	Chatfield-Hollis-Canton complex, 8 to 15 percent slopes, rocky	31.8	22.1%
299	Udorthents, smoothed	47.0	32.6%
495	Natchaug mucky peat, 0 to 2 percent slopes	29.2	20.2%
538A	Squamscott fine sandy loam, 0 to 5 percent slopes	8.8	6.1%
547B	Walpole very fine sandy loam, 3 to 8 percent slopes, very stony	0.1	0.0%
699	Urban land	13.8	9.6%
799	Urban land-Canton complex, 3 to 15 percent slopes	0.3	0.2%
Totals for Area of Interest		144.1	100.0%

PHOTO LOG AND MAP



GOVE ENVIRONMENTAL SERVICES, INC.

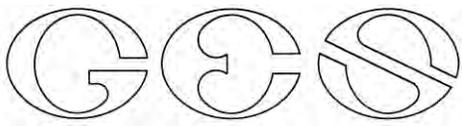
Photo Log
Portsmouth Regional Hospital
Taken: 5/17/23



Photo #1: Looking at the dewatering area for the project.



Photo #2: Another view of the dewatering system.



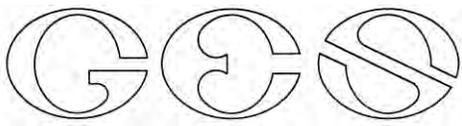
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #3: Looking at the construction area from Borthwick Ave.



Photo #4: Looking at the active construction area.



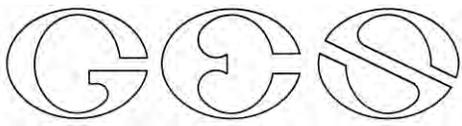
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #5: Looking at the ongoing construction and erosion control.



Photo #6: Looking at the ongoing construction and erosion controls.



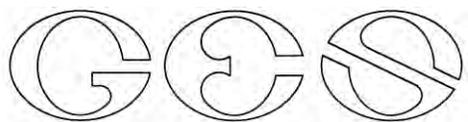
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #7: Looking at the erosion control methods adjacent to the construction.



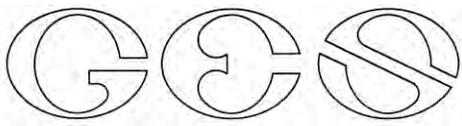
Photo #8: Another view of the erosion control measures.



GOVE ENVIRONMENTAL SERVICES, INC.



Photo #9: Looking at the ongoing construction and erosion controls.



GOVE ENVIRONMENTAL SERVICES, INC.

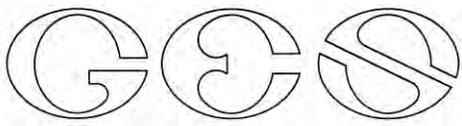
Updated Photo Log
Portsmouth Regional Hospital
Taken: 9/6/23



Photo #1: Looking at the dewatering system that doesn't appear to be in use anymore.



Photo #2: Looking at the continued construction at the location of the mobile unit.



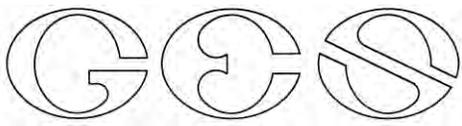
GOVE ENVIRONMENTAL SERVICES, INC.



Photo #3: Looking at the construction activities from Borthwick Ave.



Photo #4: Looking at the almost complete exterior structure.



GOVE ENVIRONMENTAL SERVICES, INC.



Photo #5: Looking at the almost finished exterior of the ongoing construction.



Photo #6: Looking at the ongoing construction and stable erosion control methods.

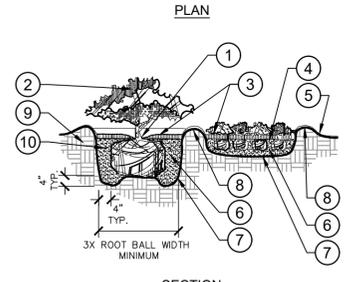
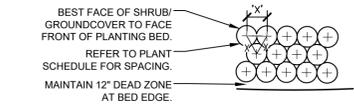
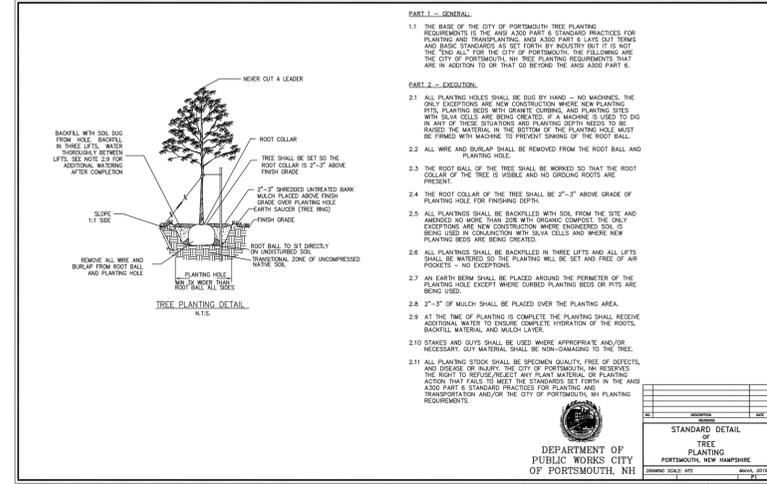
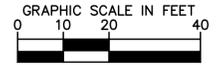
PROJECT PLANS

PLANT_SCHEDULE

CANOPY TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT.	CALIPER	HEIGHT
	AF	6	CORYLUS AMERICANA / AUTUMN BLAZE MAPLE	B&B	3" MIN.	14'-16' HT.

SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT.	SPACING	HEIGHT
	AM	11	ARONIA MELANOCARPA / BLACK CHOKEBERRY	5 GAL	9-FT O.C.	3-FT MIN.
	PV	50	PANICUM VIRGATUM / SWITCHGRASS	1 GAL	2-FT O.C.	18" MIN.

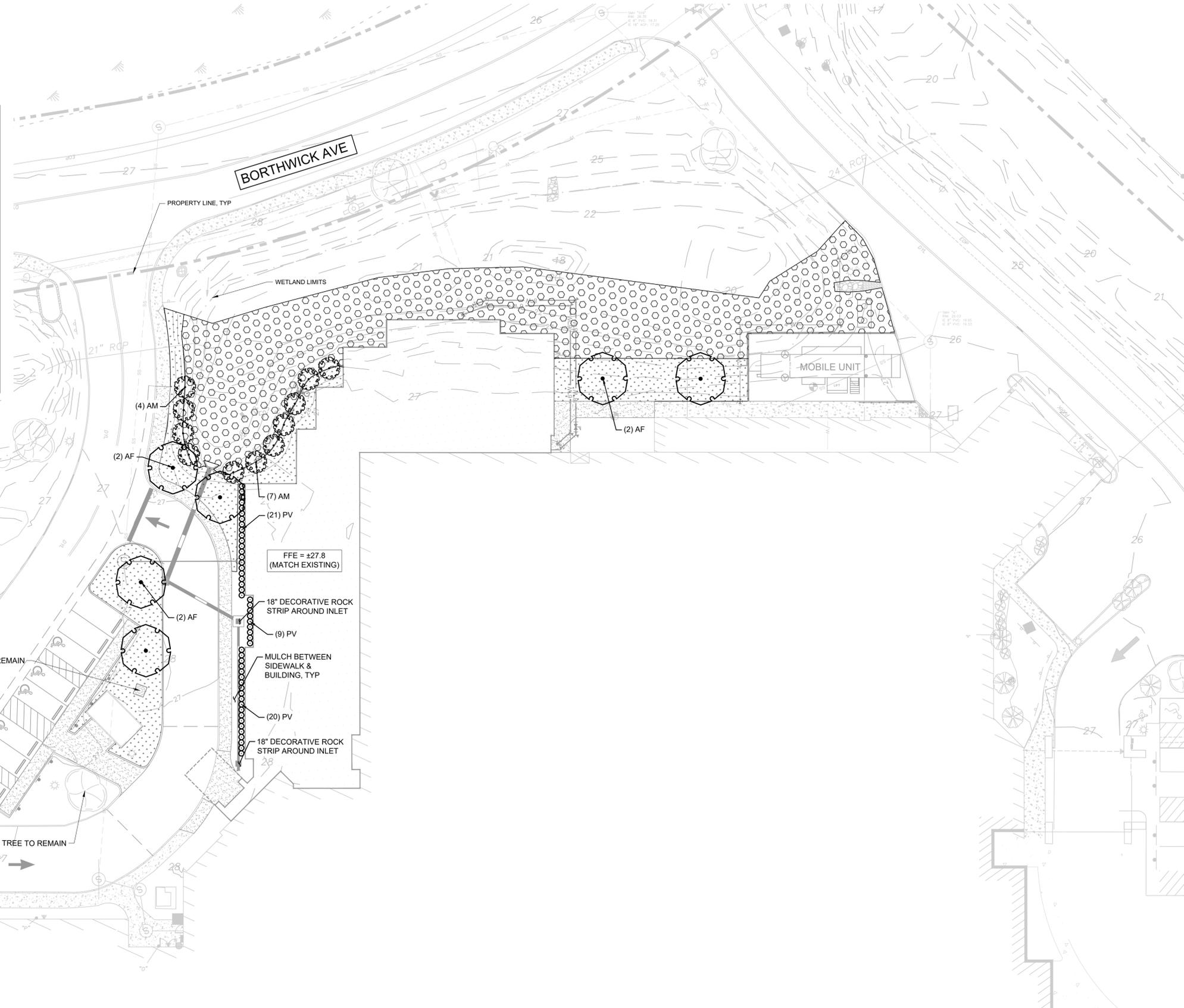
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME
	SOD	4,030 SF	SOD
	VARIES	7,600 SF	CONSERVATION SEED MIX / NEW ENGLAND WETMIX (WETLAND SEED MIX)



- 1 TOP OF SHRUB ROOTBALLS TO BE PLANTED 1'-2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL
- 2 PRUNE ALL SHRUBS TO ACHIEVE A UNIFORM MASS/HEIGHT.
- 3 3" MULCH LAYER AS SPECIFIED.
- 4 EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED.
- 5 FINISHED GRADE (SEE GRADING PLAN).
- 6 PREPARED PLANTING SOIL AS SPECIFIED (SEE LANDSCAPE NOTES) NOTE: WHEN GROUND-COVERS AND SHRUBS USED IN MASSES, ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED.
- 7 SCARIFY OF PLANTING PIT SIDES AND BOTTOM.
- 8 4" HIGH BERM FIRMLY COMPACTED.
- 9 UNDISTURBED NATIVE SOIL.
- 10 FERTILIZER TABLETS (MAX 3" DEEP)

- NOTES:**
- A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
 - B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.
 - C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

1 SHRUB/GROUNDCOVER PLANTING
SECTION / PLAN
NTS



Kimley»Horn
404 WYMAN STREET, SUITE 385 WALTHAM, MA 02451
MAIN/781.328.0676 | WWW.KIMLEY-HORN.COM
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PORTSMOUTH REGIONAL HOSPITAL
RADIATION ONCOLOGY ADDITION
PORTSMOUTH, NEW HAMPSHIRE



NO.	DATE	BY
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

DESIGNED BY: ZCN
DRAWN BY: ZCN
CHECKED BY: MEH
DATE: 06/28/2022
KIMLEY-HORN PROJECT NO. 118252004

LANDSCAPE PLAN

L1.00

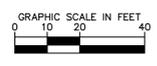
RESPONSIBILITY: ZCN
 CHECKED BY: SKA
 DATE: 04/25/2022

PORTSMOUTH REGIONAL HOSPITAL
 RADIATION ONCOLOGY ADDITION
 333 BORTHWICK AVE. PORTSMOUTH, NH
 HCA# 3790200021
 GTF# 3766305

GRADING PLAN LEGEND	
28.60	SPOT ELEVATION
HP	HIGH POINT
TC	TOP OF CURB
TR	GRADE AT TOPSIDE OF WALL
BT	GRADE AT BOTTOMSIDE OF WALL
ME	MEASUREMENT
FFE	FINISH FLOOR ELEVATION
27	EXISTING CONTOUR
27	PROPOSED CONTOUR

WETLAND IMPACT LEGEND		
Green	TEMPORARY WETLAND DISTURBANCE	4,400 SF
Red	PERMANENT WETLAND DISTURBANCE	200 SF
Blue	PROPOSED WETLANDS	1,150 SF

WETLAND SUMMARY	
EXISTING WETLAND AREA	± 10,300 SF
PERMANENT WETLAND DISTURBANCE	± 200 SF
PROPOSED WETLAND ADDED	± 1,150 SF
NEW WETLAND AREA	± 11,250 SF



WETLAND DISTURBANCE
EX. A



HCA CONSTRUCTION MANAGER
 RYAN MAGUIRE PH: 605-344-2487

M.P.E. & T CONSULTANT
 I.C. THOMASSON ASSOCIATES, INC.
 2950 ARABET DRIVE, SUITE 500
 NASHVILLE, TN 37204
 MANAGER: JACK MCCOY

STRUCTURAL CONSULTANT
 STANLEY D. LINDSEY & ASSOC., LTD.
 750 OLD HICKORY BLVD., BLDG 11, STE 175
 BRENTWOOD, TN 37027
 MANAGER: MARK HILGER

CIVIL CONSULTANT
 KIMLEY-HORN & ASSOCIATES, INC.
 401 WYMAN STREET, SUITE 305
 WALTHAM, MA 02451
 MANAGER: CHRIS AREES

VENDOR INFORMATION

WETLAND DISTURBANCE
EX. A



PORTSMOUTH REGIONAL HOSPITAL
 RADIATION ONCOLOGY ADDITION
 333 BORTHWICK AVE. PORTSMOUTH, NH
 HCA# 3790200021
 GTF# 3766305

GOULD TURNER GROUP, P.C.
 ARCHITECTURE
 615 3RD AVENUE SOUTH, SUITE 600
 NASHVILLE, TENNESSEE 37210
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CONSTRUCTION - PRICING
 DOCUMENTS - SET

REVISIONS:
 DATE: 04/25/2022



Appendix I
New Hampshire Natural Heritage Bureau Inquiry



NHB DataCheck Results Letter

NH Natural Heritage Bureau

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

To: Brenden Walden, Gove Environmental Services, Inc.
8 Continental Drive Bldg 2 Unit H
Exeter, NH 03833
info@gesinc.biz

From: NHB Review
NH Natural Heritage Bureau
Main Contact: Ashley Litwinenko - nhbreview@dncr.nh.gov

cc: NHFG Review

Date: 09/05/2023 (valid until 09/05/2024)

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

Permits: NHDES - Wetland Standard Dredge & Fill - Minor, USACE - General Permit

NHB ID: NHB23-2592

Town: Portsmouth
Location: 333 Borthwick Ave

Project Description: The applicant is applying for an after the fact dredge and fill application for impacts to a manmade detention basin associated with the expansion of the hospital's new oncology wing. The impacts involve 200sf of direct permanent impact, 4,400 sf of temporary disturbance, with an expansion of the detention basin of approximately 1,150 SF. No additional wetland impacts are proposed in association with the hospital expansion project.

Next Steps for Applicant:

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

NHB Comments: No comments at this time.

NHFG Comments: Please refer to NHFG consultation requirements below. Please indicate how much of project is still in progress.

NHB Consultation

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

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



NHB DataCheck Results Letter

NH Natural Heritage Bureau

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NH Fish and Game Department Consultation

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

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

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

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



NHB DataCheck Results Letter

NH Natural Heritage Bureau

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NHB Database Records:

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

Vertebrate species	State ¹	Federal	Notes
Blanding's Turtle (<i>Emydoidea blandingii</i>)	E	--	Contact the NH Fish & Game Dept (see below).

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

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

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

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

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

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



NHB DataCheck Results Letter

NH Natural Heritage Bureau

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

NHB23-2592



NHB DataCheck Results Letter

NH Natural Heritage Bureau

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

NHB23-2592

EOCODE:

ARAD04010*632*NH

New Hampshire Natural Heritage Bureau - Animal Record

Blanding's Turtle (*Emydoidea blandingii*)

Legal Status

Federal: Not listed
State: Listed Endangered

Conservation Status

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

Description at this Location

Conservation Rank: Not ranked
Comments on Rank: --

Detailed Description: 2011: Area 12906: 1 adult observed.

General Area: 2011: Area 12906: Marsh along railroad tracks.

General Comments: --

Management: --

Comments:

Location

Survey Site Name: Meadowbrook
Managed By: Hospital Corporation of America

County: Rockingham

Town(s): Portsmouth

Size: 1.9 acres

Elevation:

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

Directions: 2011: Area 12906: Marsh adjacent to 333 Borthwick Avenue, behind Portsmouth Regional Hospital.

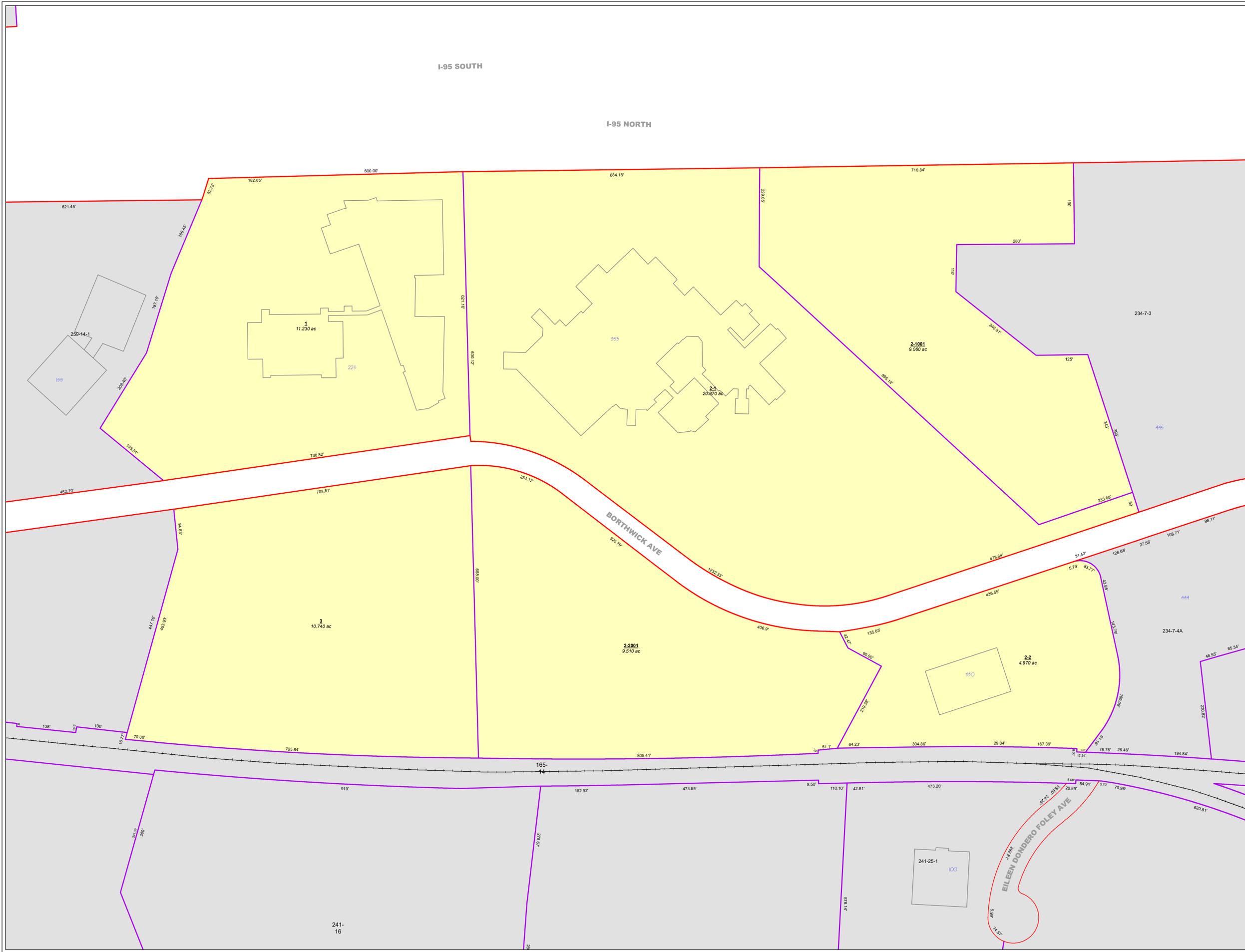
Dates documented

First reported: 2011-05-07 Last reported: 2011-05-07

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

Appendix II
New Hampshire Department of Historic Resources Inquiry

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

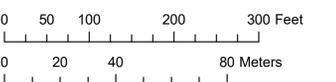


Partial Legend
 See the cover sheet for the complete legend.

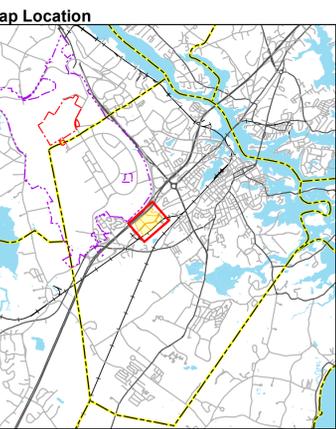
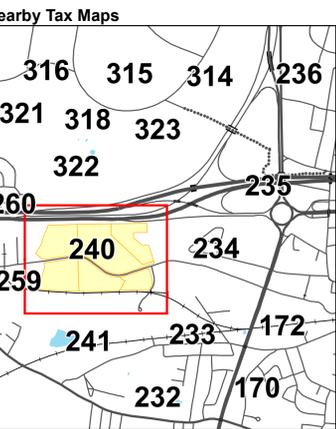
7-5A Lot or lot-unit number
 2.56 ac Parcel area in acres (ac) or square feet (sf)
 25 Address number
 233-137 Parcel number from a neighboring map
 68' Parcel line dimension
SIMS AVE Street name

Parcel/Parcel boundary
 Parcel/ROW boundary
 Water boundary
 Structure (1994 data)

Parcel covered by this map
 Parcel from a neighboring map (see other map for current status)



This map is for assessment purposes only. It is not intended for legal description or conveyance. Parcels are mapped as of April 1. Building footprints are 2006 data and may not represent current structures. Streets appearing on this map may be paper (unbuilt) streets. Lot numbers take precedence over address numbers. Address numbers shown on this map may not represent posted or legal addresses.



Portsmouth, New Hampshire
 2022
Tax Map 240

Subject Property

Tax Map 240 Lot 2-1
HCA Health Services of New Hampshire
PO Box 80610,
Indianapolis, IN 46280

Abutters:

Tax Map 240 Lot 1
Liberty Mutual Insurance Company
Attn: Joanne Bragg
175 Berkeley St
Boston, MA 02116

Tax Map 240 Lot 2-1001
City of Portsmouth DPW
PO Box 628
Portsmouth, NH 03802

Tax Map 234 Lot 7-3
City of Portsmouth
1 Junkins Ave
Portsmouth, NH 03802

January 4, 2024

«Name»
«Street»
«TownStateZip»

Re: Portsmouth Regional Hospital Oncology Expansion
Subject: NH Department of Environmental Services Wetlands Bureau
Minor Impact Dredge & Fill Application

Dear Abutter:

The purpose of this letter is to inform you HCA Health Services of New Hampshire of Indianapolis, IN is applying to the NH Department of Environmental Services Wetlands Bureau, which requires this notice for an After the Fact Dredge and Fill permit for impacts areas under its jurisdiction. The applicant's project has impacted 200 SF of direct wetland impact to a man-made detention basin associated with the expansion of the hospital's new oncology wing. The project is proposed on Tax map 240 Lot 2-1 on 333 Borthwick Ave, Portsmouth, 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.