GOVE ENVIRONMENTAL SERVICES, INC.
AGENT

NHDES WETLANDS BUREAU
STANDARD REVIEW
DREDGE & FILL APPLICATION

Galloway Trucking

Shirkin Road

Fremont, NH

September, 2020

Prepared By

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GES# 2018130

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NEW HAMPSHIRE DEPARTMENT OF Environmental Services

STANDARD DREDGE AND FILL WETLANDS PERMIT APPLICATION

Water Division/Land Resources Management

Wetlands Bureau

Check the Status of your Application

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

APPLICANT'S NAME: _____ **TOWN NAME:** _____

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). For more information, please consult the request form.

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

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

Has the required planning been completed? ☒ Yes ☐ No

Does the property contain a PRA? ☒ Yes ☐ No. If yes, provide the following information:

- Does the project qualify for an Impact Classification Adjustment or a Project-Type Exception (See Env-Wt 407.02 and Env-Wt 407.04)? ☐ Yes ☒ No
- Protected species or habitat? ☐ Yes ☒ No. If yes, species or habitat name(s):
- NHB Project ID #: 20-2665
- Bog? ☐ Yes ☒ No
- Floodplain wetland contiguous to a tier 3 or higher watercourse? ☐ Yes ☒ No
- Designated Prime Wetland or duly-established 100-foot buffer? ☒ Yes ☐ No
- Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone? ☐ Yes ☒ No

Is the property within a Designated River corridor? ☐ Yes ☒ No. If yes, provide the following information:

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

For stream crossing projects, provide watershed size:

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

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

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

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

The proposed project is for the creation of stormwater treatment areas within the 100-buffer to the prime wetland. These impacts are needed as part of the AoT process for the continued use of the facility. Total impacts within the buffer are 159,800sf. The proposed work is temporary.

SECTION 3 - PROJECT LOCATION

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

ADDRESS: Shirkin Road	TOWN/CITY: Fremont

TAX MAP/BLOCK/LOT/UNIT: 005-035

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

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

SECTION 4 - APPLICANT (DESIRED PERMIT HOLDER) INFORMATION (Env-Wt 311.04(a))

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

NAME: Galloway Trucking

MAILING ADDRESS: Roadstone Drive

TOWN/CITY: Plaistow	STATE: NH	ZIP CODE: 03865

EMAIL ADDRESS: gallowaytrucking53@gmail.com	FAX:	PHONE: 603-382-7982

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

SECTION 5 - AUTHORIZED AGENT INFORMATION (Env-Wt 311.04(c))

☐ N/A

LAST NAME, FIRST NAME, M.I.: Hurley, Luke D.

COMPANY NAME: Gove Environemental Services, Inc	MAILING ADDRESS: 8 Continental Drive, Unit H

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

EMAIL ADDRESS: lhurley@gesinc.biz	FAX:	PHONE: 603-770-5114

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

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

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

☒ Same as applicant

NAME:		
MAILING ADDRESS:		
TOWN/CITY:	STATE:	ZIP CODE:
EMAIL ADDRESS:	FAX:	PHONE:

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

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

Describe how the resource-specific criteria have been met for each Chapter listed above (please attach information about stream crossings, coastal resources, prime wetlands, or non-tidal wetlands and surface waters).
The proposed impacts are to the 100-foot prime wetland buffer only. No direct wetland impacts are proposed.

SECTION 8 - AVOIDANCE AND MINIMIZATION

Impacts within wetland jurisdiction must be avoided to the maximum extent practicable (Env-Wt 313.03(a)). If all impacts cannot be avoided, a functional assessment is required for minor and major projects (Env-Wt 311.03(b)(10)). Any project with unavoidable jurisdictional impacts must then be minimized as described in the Wetlands Best Management Practice Techniques For Avoidance and Minimization and the Wetlands Permitting: Avoidance, Minimization and Mitigation Fact Sheet.

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

SECTION 9 - MITIGATION REQUIREMENT (Env-Wt 311.02)

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

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

(☐ N/A - Mitigation is not required)

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

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

(☐ N/A - Mitigation is not required)

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

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

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

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

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

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

JURISDICTIONAL AREA		PERMANENT			TEMPORARY		
		SF	LF	ATF	SF	LF	ATF
Wetlands	Forested Wetland			☐			☐
	Scrub-shrub Wetland			☐			☐
	Emergent Wetland			☐			☐
	Wet Meadow			☐			☐
	Vernal Pool			☐			☐
	Designated Prime Wetland			☐			☐
	Duly-established 100-foot Prime Wetland Buffer			☐	159,800		☐
Surface Water	Intermittent / Ephemeral* Stream			☐			☐
	Perennial Stream or River			☐			☐
	Lake / Pond			☐			☐
	Docking - Lake / Pond			☐			☐
	Docking – River			☐			☐
Banks	Bank - Intermittent Stream			☐			☐
	Bank - Perennial Stream / River			☐			☐
	Bank/shoreline - Lake / Pond			☐			☐
Tidal	Tidal Waters			☐			☐
	Tidal Marsh			☐			☐
	Sand Dune			☐			☐
	Undeveloped Tidal Buffer Zone (TBZ)			☐			☐
	Previously-developed TBZ			☐			☐
	Docking - Tidal Water			☐			☐
TOTAL					**159,800**		

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):	159,800 SF	× $0.40 =	$ 63,920.00
Seasonal docking structure:	SF	× $2.00 =	$
Permanent docking structure:	SF	× $4.00 =	$
Projects proposing shoreline structures (including docks) add $400 =			$
		Total =	$ 63,920.00

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: AG	To the best of the signer's knowledge and belief, all required notifications have been provided.
Initials: AG	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: AG	The signer understands that: • The submission of false, incomplete, or misleading information constitutes grounds for NHDES to: 1. Deny the application. 2. Revoke any approval that is granted based on the information. And 3. If the signer is a certified wetland scientist, licensed surveyor, or professional engineer licensed to practice in New Hampshire, refer the matter to the joint board of licensure and certification established by RSA 310-A:1. • The signer is subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641. • The signature shall constitute authorization for the municipal conservation commission and the Department to inspect the site of the proposed project, except for minimum impact trail projects, where the signature shall authorize only the Department to inspect the site pursuant to RSA 482-A:6, II.
Initials: AG	If the applicant is not the owner of the property, each property owner signature shall constitute certification by the signer that he or she is aware of the application being filed and does not object to the filing.

SECTION 15 - REQUIRED SIGNATURE (Env-Wt 311.04(d); Env-Wt 311.11)

SIGNATURE (OWNER):	PRINT NAME LEGIBLY:	DATE:
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER):	PRINT NAME LEGIBLY: Andy Galloway	DATE: 10/8/20
SIGNATURE (AGENT, IF APPLICABLE):	PRINT NAME LEGIBLY: Luke D. Hurley	DATE: 9/16/20

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: Nicole E. Cloutier	PRINT NAME LEGIBLY: Nicole Cloutier
TOWN/CITY: Fremont	DATE: 10/21/2020

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

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

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

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

APPLICATION CHECKLIST
(Items identified with an asterisk (*) are required only for Minor and Major Projects)

- ☒ 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)).
- ☒ 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***.

  Appendix B can be found here: USACE Appendix B.
- ☒ **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)).
- ☒ **Permit conditions required for all permits**: explanation as to 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. And
    - b. All existing shoreline structures. And
  - (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 24,000 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, include 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 any written follow-up communications such as additional memos or email communications with either NHB or New Hampshire Fish and Game Department (NHF&G) (Env-Wt 311.06(g)). See Wetlands Permitting: Protected Species and Habitat Fact Sheet.
- ☐ A statement of whether the applicant has received comments from the local conservation commission and, if so, how the applicant has addressed the comments (Env-Wt 311.06(h)).
- ☐ For projects in **LAC jurisdiction**, a statement of whether the applicant has received comments from the LAC and, if so, how the applicant has addressed the comments (Env-Wt 311.06(i)).
- ☐ If the applicant is also seeking to be covered by the state general permits, a statement of whether comments have been received from any federal agency and, if so, how the applicant has addressed the comments (Env-Wt 311.06(j)).
- ☐ For after-the-fact applications: information required by Env-Wt 311.12 (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.
- ☐ Stream Crossing Worksheet *(optional)* which summarizes the requirements by Env-Wt 900.
- ☒ Avoidance and Minimization Written Narrative, Avoidance and Minimization Checklist, or your own avoidance and minimization narrative (Env-Wt 311.07).
- ☒ * Attachment A: Minor and Major Projects (Env-Wt 311.10).
- ☒ * Functional Assessment Worksheet or others means of documenting the results of actions required by Env-Wt 311.01 as part of an application preparation for a standard permit. (Env-Wt 311.03(b)(3)). See Functional Assessments for Wetlands and Other Aquatic Resources Fact Sheet.
- ☐ Optional: Request for concurrent processing of related shoreland/wetlands permit applications (Env-Wt 313.05).

WETLANDS FUNCTIONAL ASSESSMENT WORKSHEET

Water Division/Land Resource Management
Wetlands Bureau

Check the Status of your Application

RSA/Rule: RSA 482-A / Env-Wt 311.03(b)(10); Env-Wt 311.10

APPLICANT LAST NAME, FIRST NAME, M.I.: Galloway Trucking

As required by Env-Wt 311.03(b)(10), an application for a standard permit for minor and major projects must include a functional assessment of all wetlands on the project site as specified in Env-Wt 311.10. This worksheet will help you compile data for the functional assessment needed to meet federal (US Army Corps of Engineers (USACE); if applicable) and NHDES requirements. Additional requirements are needed for projects in tidal area; please refer to the Coastal Area Worksheet for more information.

Both a desktop review and a field examination are needed to accurately determine surrounding land use, hydrology, hydroperiod, hydric soils, vegetation, structural complexity of wetland classes, hydrologic connections between wetlands or stream systems or wetland complex, position in the landscape, and physical characteristics of wetlands and associated surface waters. The results of the evaluation are to be used to select the location of the proposed project having the least impact to wetland functions and values (Env-Wt 311.10). This worksheet can be used in conjunction with the Written Narrative (NHDES-W-06-089) or Avoidance and Minimization Checklist (NHDES-W-06-050) to address Env-Wt 313.03 (Avoidance and Minimization). If more than one wetland/ stream resource is identified, multiple worksheets can be attached with the application. All wetland, vernal pools, and stream identification (ID) numbers are to be displayed and located on the wetlands delineation of the subject property.

SECTION 1 - LOCATION (USACE HIGHWAY METHODOLOGY)	
ADJACENT LAND USE: Gravel pit	
CONTIGUOUS UNDEVELOPED BUFFER ZONE PRESENT? ☒ Yes ☐ No	
DISTANCE TO NEAREST ROADWAY OR OTHER DEVELOPMENT (in feet): 200 feet	
SECTION 2 - DELINEATION (USACE HIGHWAY METHODOLOGY; Env-Wt 311.10)	
CERTIFIED WETLAND SCIENTIST (if in a non-tidal area) or QUALIFIED COASTAL PROFESSIONAL (if in a tidal area) who prepared this assessment: Luke Hurley	
DATE(S) OF SITE VISIT(S): 6/30/20	DELINEATION PER ENV-WT 406 COMPLETED? ☒ Yes ☐ No
CONFIRM THAT THE EVALUATION IS BASED ON: ☒ Office and ☒ Field examination.	
METHOD USED FOR FUNCTIONAL ASSESSMENT (check one and fill in field if "other"): ☒ USACE Highway Methodology. ☐ Other scientifically supported method (enter name/ title):	

SECTION 3 - WETLAND RESOURCE SUMMARY (USACE HIGHWAY METHODOLOGY; Env-Wt 311.10)	
WETLAND ID: 1	LOCATION: (LAT/ LONG) 43.014679/-71.122975
WETLAND AREA: Prime Wetland Buffer	DOMINANT WETLAND SYSTEMS PRESENT: Wetland Buffer
HOW MANY TRIBUTARIES CONTRIBUTE TO THE WETLAND? None	COWARDIN CLASS: Wetland Buffer
IS THE WETLAND A SEPARATE HYDRAULIC SYSTEM? ☐ Yes ☒ No if not, where does the wetland lie in the drainage basin? Low, buffer impact only.	IS THE WETLAND PART OF: ☒ A wildlife corridor or ☐ A habitat island? IS THE WETLAND HUMAN-MADE? ☐ Yes ☒ No
IS THE WETLAND IN A 100-YEAR FLOODPLAIN? ☐ Yes ☐ No	ARE VERNAL POOLS PRESENT? ☐ Yes ☒ No (If yes, complete the Vernal Pool Table)
ARE ANY WETLANDS PART OF A STREAM OR OPEN-WATER SYSTEM? ☐ Yes ☐ No	ARE ANY PUBLIC OR PRIVATE WELLS DOWNSTREAM/ DOWNGRADIENT? ☐ Yes ☒ No
PROPOSED WETLAND IMPACT TYPE: Temporary	PROPOSED WETLAND IMPACT AREA: 159,800

SECTION 4 - WETLANDS FUNCTIONS AND VALUES* (USACE HIGHWAY METHODOLOGY; Env-Wt 311.10)

The following table can be used to compile data on wetlands functions and values. The reference numbers indicated in the "Functions/ Values" column refer to the following functions and values:

1. Ecological Integrity (from RSA 482-A:2, XI)
2. Educational Potential (from USACE Highway Methodology: Educational/Scientific Value)
3. Fish & Aquatic Life Habitat (from USACE Highway Methodology: Fish & Shellfish Habitat)
4. Flood Storage (from USACE Highway Methodology: Floodflow Alteration)
5. Groundwater Recharge (from USACE Highway Methodology: Groundwater Recharge/Discharge)
6. Noteworthiness (from USACE Highway Methodology: Threatened or Endangered Species Habitat)
7. Nutrient Trapping/Retention & Transformation (from USACE Highway Methodology: Nutrient removal)
8. Production Export (Nutrient) (from USACE Highway Methodology)
9. Scenic Quality (from USACE Highway Methodology: Visual Quality/Aesthetics)
10. Sediment Trapping (from USACE Highway Methodology: Sediment /Toxicant Retention)
11. Shoreline Anchoring (from USACE Highway Methodology: Sediment/Shoreline Stabilization)
12. Uniqueness/Heritage (from USACE Highway Methodology)
13. Wetland-based Recreation (from USACE Highway Methodology: Recreation)
14. Wetland-dependent Wildlife Habitat (from USACE Highway Methodology: Wildlife Habitat)

First, determine if a wetland is suitable for particular function and value ("Suitability" column) and indicate the rationale behind your determination ("Rationale" column). Please use the rationale reference numbers listed in Appendix A of USACE *The Highway Methodology Workbook Supplement*. Second, indicate which functions and values are principal (Principal Function/value?" column). As described in *The Highway Methodology Workbook Supplement*, "functions and values can be principal if they are an important physical component of a wetland ecosystem (function only) and/or are considered of special value to society, from a local, regional, and/or national perspective".

"Important Notes" are to include characteristics the evaluator used to determine the principal function and value of the wetland.

FUNCTIONS/ VALUES	SUITABILITY (Y/N)	RATIONALE (Reference #)	PRINCIPAL FUNCTION/VALUE? (Y/N)	IMPORTANT NOTES
1	☐ Yes ☐ No		☐ Yes ☐ No	
2	☐ Yes ☐ No		☐ Yes ☐ No	
3	☐ Yes ☐ No		☐ Yes ☐ No	
4	☐ Yes ☐ No		☐ Yes ☐ No	
5	☐ Yes ☐ No		☐ Yes ☐ No	
6	☐ Yes ☐ No		☐ Yes ☐ No	
7	☐ Yes ☐ No		☐ Yes ☐ No	
8	☐ Yes ☐ No		☐ Yes ☐ No	
9	☐ Yes ☐ No		☐ Yes ☐ No	
10	☐ Yes ☐ No		☐ Yes ☐ No	
11	☐ Yes ☐ No		☐ Yes ☐ No	
12	☐ Yes ☐ No		☐ Yes ☐ No	
13	☐ Yes ☐ No		☐ Yes ☐ No	

14	☐ Yes ☐ No		☐ Yes ☐ No	

SECTION 5 - VERNAL POOL SUMMARY (Env-Wt 311.10)

Delineations of vernal pools shall be based on the characteristics listed in the definition of "vernal pool" in Env-Wt 104.44. To assist in the delineation, individuals may use either of the following references:

- *Identifying and Documenting Vernal Pools in New Hampshire 3rd Ed.*, 2016, published by NHF&G; or
- The USACE *Vernal Pool Assessment* draft guidance dated 9-10-2013 and form dated 9-6-2016, Appendix L of the USACE New England District *Compensatory Mitigation Guidance*.

All vernal pool ID numbers are to be displayed and located on the wetland delineation of the subject property.

"Important Notes" are to include documented reproductive and wildlife values, landscape context, and relationship to other vernal pools/wetlands.

Note: For projects seeking federal approval from the USACE, please attach a completed copy of The USACE "Vernal Pool Assessment" form dated 9-6-2016, Appendix L of the USACE New England District *Compensatory Mitigation Guidance*.

VERNAL POOL ID NUMBER	DATE(S) OBSERVED	PRIMARY INDICATORS PRESENT (LIST)	SECONDARY INDICATORS PRESENT (LIST)	LENGTH OF HYDROPERIOD	IMPORTANT NOTES
1					
2					
3					
4					
5					
6					
7					

8					

SECTION 6 - STREAM RESOURCES SUMMARY

DESCRIPTION OF STREAM:	STREAM TYPE (ROSGEN):
HAVE FISHERIES BEEN DOCUMENTED? ☐ Yes ☐ No	DOES THE STREAM SYSTEM APPEAR STABLE? ☐ Yes ☐ No
OTHER KEY ON-SITE FUNCTIONS OF NOTE:	

The following table can be used to compile data on stream resources. "Important Notes" are to include characteristics the evaluator used to determine principal function and value of each stream. The functions and values reference number are defined in Section 4.

FUNCTIONS/ VALUES	SUITABILITY (Y/N)	RATIONALE	PRINCIPAL FUNCTION/VALUE? (Y/N)	IMPORTANT NOTES
1	☐ Yes ☐ No		☐ Yes ☐ No	
2	☐ Yes ☐ No		☐ Yes ☐ No	
3	☐ Yes ☐ No		☐ Yes ☐ No	
4	☐ Yes ☐ No		☐ Yes ☐ No	
5	☐ Yes ☐ No		☐ Yes ☐ No	
6	☐ Yes ☐ No		☐ Yes ☐ No	
7	☐ Yes ☐ No		☐ Yes ☐ No	
8	☐ Yes ☐ No		☐ Yes ☐ No	
9	☐ Yes ☐ No		☐ Yes ☐ No	
10	☐ Yes ☐ No		☐ Yes ☐ No	
11	☐ Yes ☐ No		☐ Yes ☐ No	
12	☐ Yes ☐ No		☐ Yes ☐ No	

13	☐ Yes ☐ No		☐ Yes ☐ No	
14	☐ Yes ☐ No		☐ Yes ☐ No	

SECTION 7 - ATTACHMENTS (USACE HIGHWAY METHODOLOGY; Env-Wt 311.10)

☐ Wildlife and vegetation diversity/abundance list.

☐ Photograph of wetland attached.

☐ Wetland delineation plans showing wetlands, vernal pools, and streams in relation to the impact area and surrounding landscape. Wetland IDs, vernal pool IDs, and stream IDs must be indicated on the plans.

☐ For projects in tidal areas only: additional information required by Env-Wt 603.03/603.04 (please refer to the Coastal Area Worksheet for more information)

Functions and values assessment for the work proposed as part of the Galloway Trucking materials recycling facility. All work proposed is in the previously disturbed 100-foot prime wetland buffer. This area is entirely with in the confines of the existing gravel pit area.

Flood flow Alteration
Flood flow attenuation of the prime wetland will not be affected, as all work is proposed in the previously disturbed upland buffer.

Fish and Shellfish Habitat
Fish and shellfish habitat will not be impacted. This does not occur on site.

Sediment/Toxicant Retention

Sediment/toxicant retention will not change within the prime wetland or the buffer. The buffer will be additionally planted after the project is complete.

Nutrient Removal
Nutrient removal, like sediment and toxicant retention will not change within the wetland or the buffer. A well vegetated area will remain after the project is complete.

Production Export
Production export as it relates to the prime wetland or the buffer will not change. The buffer where the work is proposed will be supplementally planted.

Sediment/Shoreline Stabilization
This is not applicable as the project is entirely in the upland prime wetland buffer.

Wildlife Habitat
Wildlife Habitat will not be affected by the project as it is entirely in the previously disturbed upland prime wetland buffer. This will have additional planting conducted as part of the mitigation proposal.

Recreation
This is not allowed on site and does not exist.

Educational/Scientific Value
Educational/scientific value will not change in the prime wetland or the buffer. As this is an active materials recycling facility, this is not a current function or value.

Uniqueness/Heritage
The NHDHR has determined that no historic properties will be affected from this project. This is included.

Visual Quality/Aesthetics
The work proposed is entirely with an open and heavily travelled portion of roadway. The area will look the same after the project is complete as it did prior.

Endangered Species Habitat
Results from NHNHB show that no known species will be impacted from this project.

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.)		X
2.5 The overall project site is more than 40 acres?	X	
2.6 What is the area of the previously filled wetlands?	Unknown	
2.7 What is the area of the proposed fill in wetlands?	0 SF	
2.8 What is the % of previously and proposed fill in wetlands to the overall project site?	Buffer only	
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: • PDF: www.wildlife.state.nh.us/Wildlife/Wildlife_Plan/highest_ranking_habitat.htm. • 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?		
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?		X
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.

NEW HAMPSHIRE DEPARTMENT OF Environmental Services

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 LAST NAME, FIRST NAME, M.I.: Galliloway Trucking

Attachment A can be used to satisfy some of the additional requirements for minor and major projects regarding avoidance and minimization, as well as functional assessment.

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 PROPOSED PROJECT IS FOR THE CREATION OF STORMWATER TREATMENT AREAS WITHIN THE 100-BUFFER TO THE PRIME WETLAND. THESE IMPACTS ARE NEEDED AS PART OF THE AOT PROCESS FOR THE CONTINUED USE OF THE FACILITY. TOTAL IMPACTS WITHIN THE BUFFER ARE 159,800 SF. THIS IS THE LEAST IMPACTING ALTERNATIVE FOR THE SITE. AS THE STORMWATER BASINS ARE NEEDED FOR THE CONTINUED USE OF THE FACILITY, PLACING THEM IN THE ALREADY DISTURBED BUFFER AND REVEGETATED, THIS WILL BE, ESSENTIALLY, A RESTORATION OF THE BUFFER. AS THE SITE IS LAID OUT, THE MATERIAL STOCKPILE AREAS WILL BE PLACED IN THE INTERIOR, WITH THE STORM WATER BASINS ALONG THE PERIMITER.

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, crustacea, shellfish and wildlife of significant value.

N/A

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

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

There are no direct wetland impacts proposed for the project. All work proposed is within the previously disturbed prime wetland buffer.

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.

As noted above, the site is currently laid out where stockpile material is placed within the interior and the stormwater basins are along the edge of the site. As part of the permitting process with NHAoT, storm water basins are required for the continued use of the facility. Because of this, the basins are being proposed in the already disturbed buffer. These buffers will not be degraded, but enhanced with wet ponds.

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.

None of these are applicable. The parcel is private property and set far off of Shirkin Road.

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.

The proposed project is not impacting any wetlands directly. The proposal is for impacts within the prime wetland buffer only.

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.

The project will not be impacting any of these listed. The proposal is for prime wetland buffer areas only.

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 proposal is for the construction of storm water basins within the previously disturbed prime wetland buffer only. The facilty is a material recyling operation and will not be impacting wetlands directly, but the buffer to the prime wetland only. the creation of storm water basins, and the maintaining of the remaining buffer aera will not have any detrimental impact to adjacent drinking wster supplies or ground water aquifer levels.

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.

No stream channels are located on site or in the wetlands within the work proposed in the 100-foot buffer.

PART II: FUNCTIONAL ASSESSMENT
REQUIREMENTS Ensure that project meets requirements of Env-Wt 311.10 regarding functional assessment (Env-Wt 311.04(j); Env-Wt 311.10).
FUNCTIONAL ASSESSMENT METHOD USED: USACE Highway Methodology
NAME OF CERTIFIED WETLAND SCIENTIST (FOR NON-TIDAL PROJECTS) OR QUALIFIED COASTAL PROFESSIONAL (FOR TIDAL PROJECTS) WHO COMPLETED THE ASSESSMENT: LUKE HURLEY
DATE OF ASSESSMENT: APRIL 10, 2020
Check this box to confirm that the application includes a NARRATIVE ON FUNCTIONAL ASSESSMENT: ☒
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: ☒ Note: The Wetlands Functional Assessment worksheet can be used to compile the information needed to meet functional assessment requirements.

GOVE ENVIRONMENTAL SERVICES, INC.
Wetlands and Soil Mapping

MITIGATION PROPOSAL

for

Recycling Facility Project

Shirkin Road

Fremont

September 2020

Prepared for

Galloway Trucking
Plaistow, New Hampshire

8 Continental Dr Bldg 2 Unit H, Exeter, NH 03833-7526
Ph (603) 778 0644 / *Fax* (603) 778 0654
www.gesinc.biz
info@gesinc.biz

Per Env-Wt 312.04, Gove Environmental Services presents a mitigation proposal for the non-hazardous recycling facility on Shirkin Road in Fremont.

The proposed project is within an existing gravel pit that has been in use for decades. As part of some recent proposed changes within the pit for continued use as a non-hazardous recycling facility, NHAoT has required stormwater measures within the site.

The site is currently a mix of open gravel and marginally vegetated areas. The site is adjacent to State Prime Wetlands. These are located between Shirkin Road and Squire Road to the south. The facility has been active, well before the passage of any prime wetland rules, and is proposing to continue to use the facility. In doing so, the creation of storm water structures are necessary. Because of the layout of the facility with access in from the north east corner, where it has always been, and the central portion of the site, storm water structures have been proposed for the outer limits of the open area. These are proposed within the previously disturbed State prime wetland buffer. Total proposed impacts are159,800 sf.

ENV-Wt 803.01. The proposed impacts to the previously disturbed prime wetland buffer are 159,800 sf. This area is currently a mix of open gravel, stock piles of material and sparsely vegetated areas. As this area is an upland buffer, no classification exists. Based on discussions with NHDES staff, it has been agreed that by proposing to create wet ponds, as stormwater measures and revegetating the remaining exposed areas within the 100-foor State prime wetland buffer, this project is to be considered self-mitigating.

The area to be impacted is the 100-foot upland buffer to the State prime wetland. While the functions and values assessment is designed for the assessment of a wetland's functions and values, the area of the proposed work in the 100-foot buffer has limited secondary functions and values. The site is almost entirely flat where the work is proposed and runoff is minimal as the natural material of the soils acts to infiltrate water, with little runoff. As proposed the creation of wet ponds and revegetating the buffer will protect the prime wetland itself far more than it currently is. This will provide catchment for storm water attenuation and infiltration, instead of running off directly to the wetlands themselves. The surrounding land use adjacent to the site is primarily wooded, with extensive wetlands. A long dirt road (Shirkin Road runs along the northern property line. Soils on the site are made up of sand and gravel with some rock outcrops. This area is an active facility and has served as a gravel pit historically, with much of the material mined out, leaving the flat remaining area. Potential nesting areas are to be kept open with minimal plantings, as suggested by NHF&G. The NHF&G WAP plans show this area as barren or developed land under the Habitat Land Cover Map and Supporting Landscape under the Highest Ranked Habitat map. NHB Records show Blanding's, wood and spotted turtles in the vicinity, but not on the site. Coordination with NHF&G is to create turtle nesting areas, on the fringes of the site. Further the impacts will be temporary as the area will b revegetated.

The creation of the storm water ponds will take place as the primary task for the project. Once these ponds have been excavated, graded and they will be planted. The surrounding areas will be graded flat and amended with a layer of topsoil as need to provide a suitable growing medium and seeded with a conservation seed mix.

2.0 GENERAL INFORMATION

PREPARED BY (AGENT CONTACT): Luke Hurley

2.1 PROJECT NAME, PLANS, AND MAPS

PROJECT NAME: Recycling Facility

SITE PLANS (11x17): Recycling Facility Site Plans 3/20

2.2 TECHNICAL STANDARDS

2.2.1 Civil Construction Management, Inc. (CCMI) 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 CCMI.

2.2.3 Wetlands were classified by CCMI 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 CCMI utilizing the criteria of *Field Indicators for Identifying Hydric Soils in New England*[4].

2.2.5 Dominance of wetland vegetation was assessed by CCMI 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. 100-800.
[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. September 2019. "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 site is located in the central portion of Fremont, off of the discontinued portion of Shirkin Road. The site is an existing gravel pit and non-hazardous recycling facility for construction material. The proposed work is within the 100-foot buffer to state prime wetlands and not within direct wetlands. The site is open with disturbed areas throughout. Several areas of stockpile material are present with gravel access roads. Some area have sparse vegetation, while the majority of the site is open and flattened gravel.

3.0 PROJECT OVERVIEW

The proposed project is for the disturbance of 159,800 square feet of the previously disturbed 100-foot prime wetland buffer. As described above, this area is significantly disturbed as part of the facilities operations for material recycling. The proposed work is required as part of the NHDES Alteration f Terrain Bureau's requirement. The proposed work is for the creation of storm water basins throughout the site. These will be created to catch and treat any run off from the site. As proposed these structures will be placed in the buffer, while keeping the central portion of the facility as the location for the stockpiling and recycling operation.

The basins are to be constructed stormwater wetlands, while the remaining exposed area is to be completely revegetated with a conservation seed mix.

Env-Wt 312.04 Complete Mitigation Proposal Components. The applicant shall provide the following information in order for a compensatory mitigation proposal to be deemed a complete mitigation proposal:
(a) An explanation supporting the type of mitigation proposed pursuant to Env-Wt 801.03;
(b) Where preservation of an upland buffer is being proposed, information showing that the proposal meets the criteria specified in Env-Wt 804 together with the following:
(1) A baseline documentation report that describes current property conditions and includes color photographs that have been taken in the absence of snow cover that clearly and accurately show the nature and condition of the buffer area.

Env-Wt 803.01 Plan and Report Required for All Mitigation Proposals. With each mitigation proposal, the applicant shall submit a plan and report prepared by a certified wetland scientist or qualified professional, as applicable, that:
(a) Identifies the size of the proposed project's impact to each jurisdictional area;
(b) Identifies each type of jurisdictional area to be impacted, with wetlands being classified by a certified wetland scientist using the federal classification method, available as noted in Appendix B;
(c) Explains which mitigation options are being proposed, such as wetland restoration, aquatic resource buffer preservation, wetland creation, or payment to the aquatic resource mitigation (ARM) fund;
(d) If other than payment to the ARM fund is proposed, shows the location of the proposed mitigation site;
(e) includes a functional assessment of the impacted jurisdictional area(s);
(f) includes a functional assessment of the proposed mitigation site;

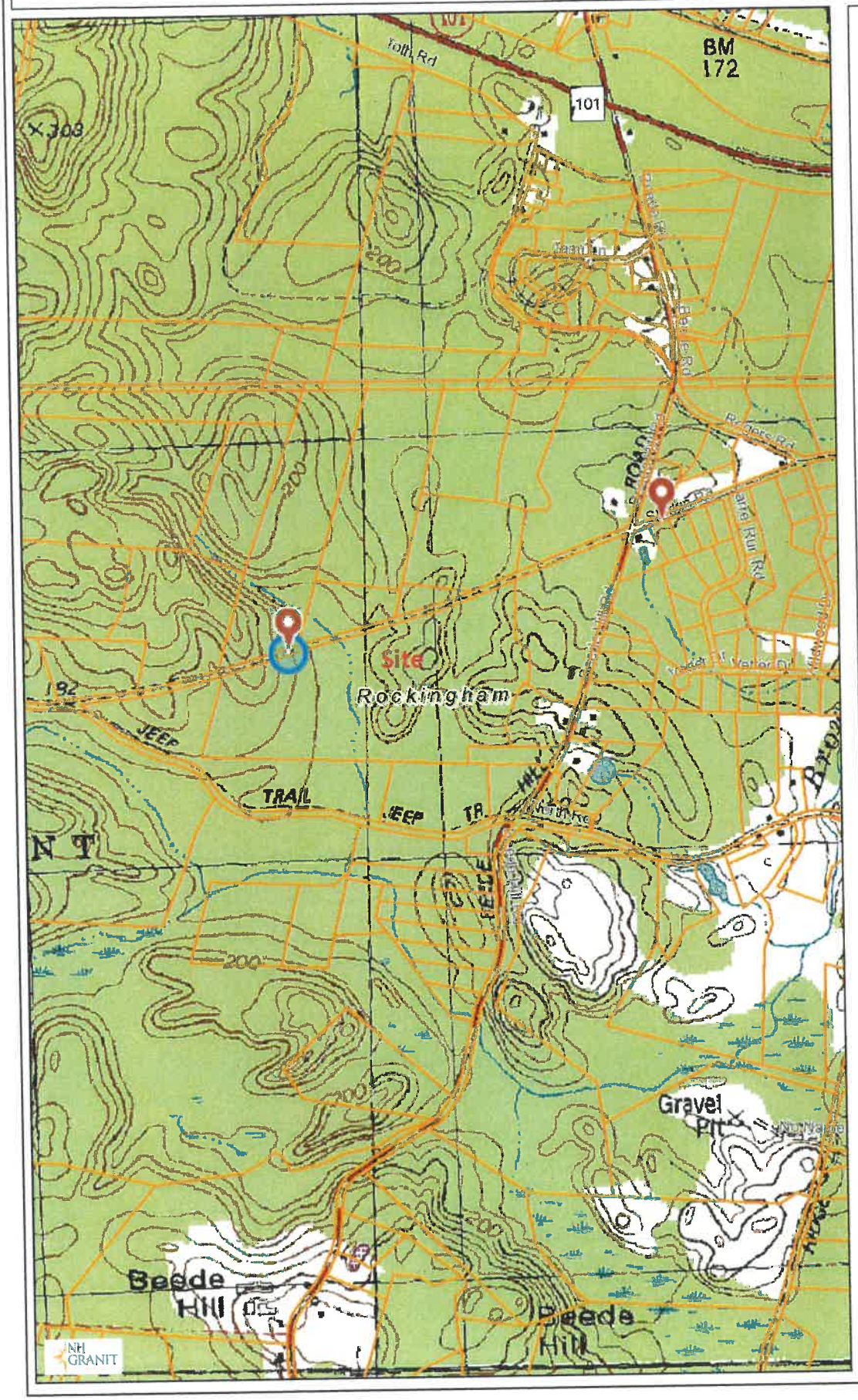
(g) Provides a date when a complete mitigation proposal will be submitted to the department;
(h) If an aquatic resource buffer preservation project is proposed:
(1) Documents the current conditions;
(2) Identifies any existing encumbrances or restrictions on the property;
(3) Summarizes the conservation goals in accordance with Env-Wt 804; and
(4) Contains a baseline documentation report in accordance with Env-Wt 808.15;
(i) If wetland restoration or creation is proposed:
(1) Identifies the predominant functions to be created, restored, or replaced; and
(2) Summarizes the proposed measures of the proposed project in accordance with Env-Wt 803.02(b), Env-Wt 803.03, and Env-Wt 803.04;
(j) If stream restoration or enhancement is proposed, identifies the predominant functions to be restored or enhanced in accordance with Env-Wt 806;
(k) Includes a detailed account of the compensatory mitigation recommendations, if any, provided by the conservation commission or governing body, such as a copy of the meeting minutes, from the town in which the project is located;
(l) For a project having impacts within a designated river corridor as defined by RSA 483:4, XVIII, includes a detailed account of the recommendations, if any, provided by the local river management advisory committee established pursuant to RSA 483:8-a; and
(m) If permittee-responsible mitigation will be proposed, includes a proposed monitoring plan as described in Env-Wt 803.04.

Env-Wt 805.02 Selection Criteria. To propose compensatory mitigation based on wetland restoration, enhancement, or creation, the applicant shall:
(a) Submit the report and plan required by Env-Wt 803.01;
(b) Include connections to wetlands, surface waters, or associated upland wildlife and vegetated corridors to enhance the wetland or surface water use and colonization by native flora and fauna;
(c) Identify the source of wetland hydrology for the proposed mitigation area to confirm that the site has a suitable geomorphic setting for aquatic resource restoration, enhancement, or creation;
(d) Explain how the proposal creates vegetative, soil, and hydrologic conditions or land connections that will produce the desired wetland functions and values to be restored, enhanced, or created;
(e) Provide wetland micro and macro topography in the proposal to achieve hydrologic diversity;
(f) Identify the relationship of the proposed mitigation site to any jurisdictional area(s) in the immediate vicinity, the proximity to existing infrastructure and adjacent properties, and whether any lands are protected in the vicinity of the mitigation site(s);
(g) For projects where permission is sought from the US Army Corps of Engineers under the Clean Water Act, provide documentation on how the proposed wetland restoration, enhancement, or creation site will not be affected by anticipated secondary and cumulative impacts from the construction site; and
(h) For restoration and enhancement proposals, explain the history of the mitigation project area, to the extent known.

Env-Wt 805.03 Plans for Wetland Restoration, Enhancement, or Creation Projects. The applicant for a project to restore, enhance, or create wetlands shall include the following in the plans required by Env-Wt
803.01:

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

USGS Topo



Legend

- Polygons
- State
- County
- City/Town

Map Scale

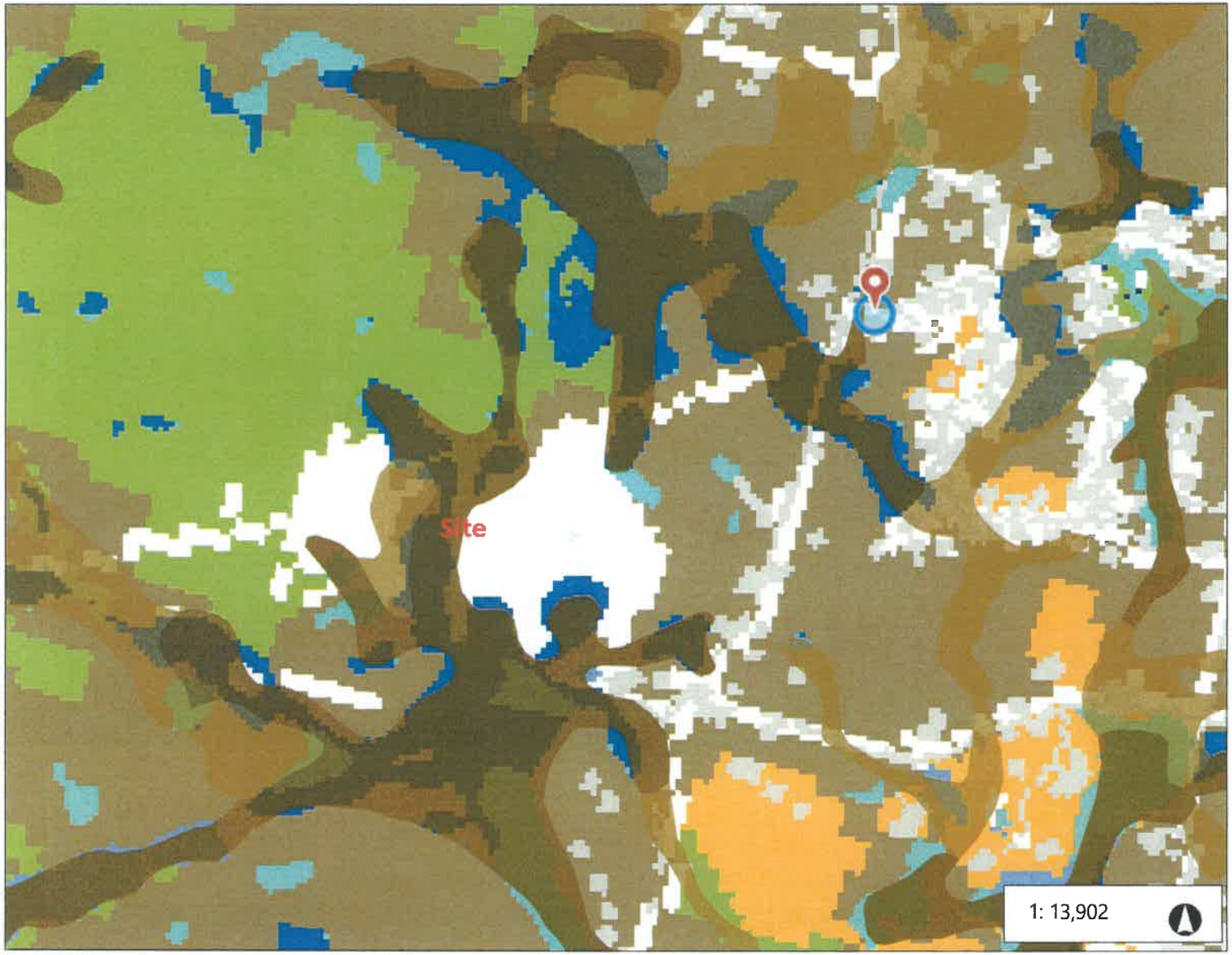
1: 12,988

© NH GRANIT, www.granit.unh.edu

Map Generated: 9/3/2020

Notes

WAP Habitat Land Cover



Legend

Wildlife Habitat Land 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

NHDES Wetland and Shorelan

Shoreland Act Urban Exemptic

4th Order and Above Streams
- 4
- 5
- 6
- 7

Map Notes

0.5 0 0.25 0.5 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere

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THIS MAP IS NOT TO BE USED FOR NAVIGATION

WAP Highest Ranked Habitat

Legend

Highest Ranked Wildlife Habita
0
1 Highest Ranked Habitat in NH
2 Highest Ranked Habitat in Regior
3 Supporting Landscape
NHDES Wetland and Shorelan
Shoreland Act Urban Exemptic
4th Order and Above Streams
4
5
6
7
Shoreland Jurisdiction - Lakes
NH City/Town Boundaries
NH Parcel Mosaic
Drainage Class
Excessively drained
Somewhat excessively drained
Well drained
Moderately well drained
Somewhat poorly drained
Poorly drained
Very poorly drained
Drainage Class
Excessively drained
Somewhat excessively drained
Well drained
Moderately well drained
Somewhat poorly drained
Poorly drained

Map Notes

0.5 0 0.25 0.5 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere

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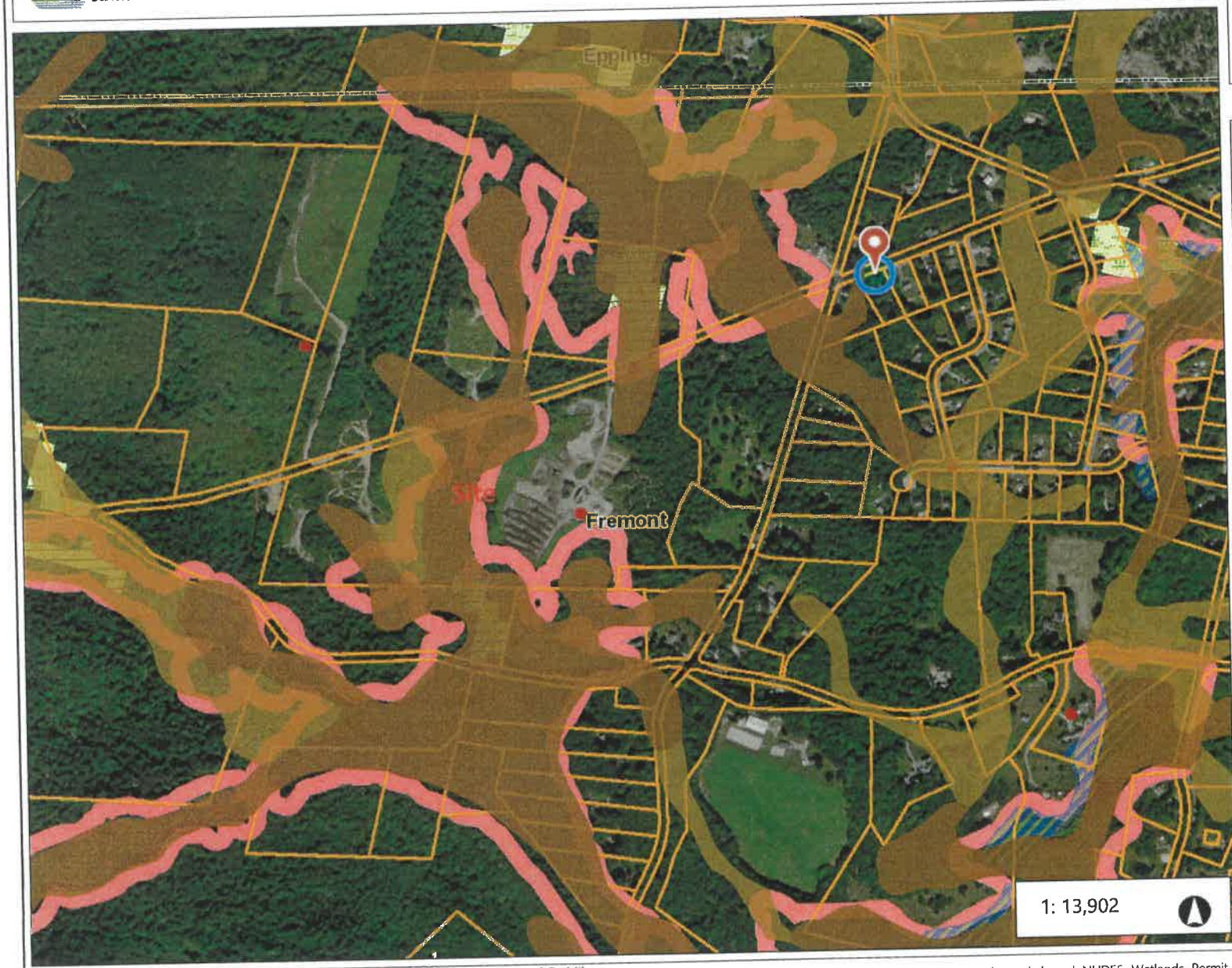
NHDES WPPT MAP



Legend

- NHDES Wetland and Shorelan
- Shoreland Act Urban Exemptic
- 4th Order and Above Streams
  - 4
  - 5
  - 6
  - 7
- Shoreland Jurisdiction - Lakes
- NH City/Town Boundaries
- NH Parcel Mosaic
- Flood Plain Wetlands Adjacent
- Prime Wetlands with 100 ft Buf
- Prime Wetlands
- Peatlands
- Designated Rivers
  - Subject to SWQPA
  - Not Subject to SWQPA
- Sand Dunes
  - backdune
  - foredune
  - interdune
  - other
- Tidal Waters / Tidal Wetlands
  - Tidal wetland
  - Transitional salt marsh
  - Salt marsh
  - Mud flat
  - Tidal water
- Drainage Class
  - Excessively drained

Map Notes

0.5 0 0.25 0.5 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere

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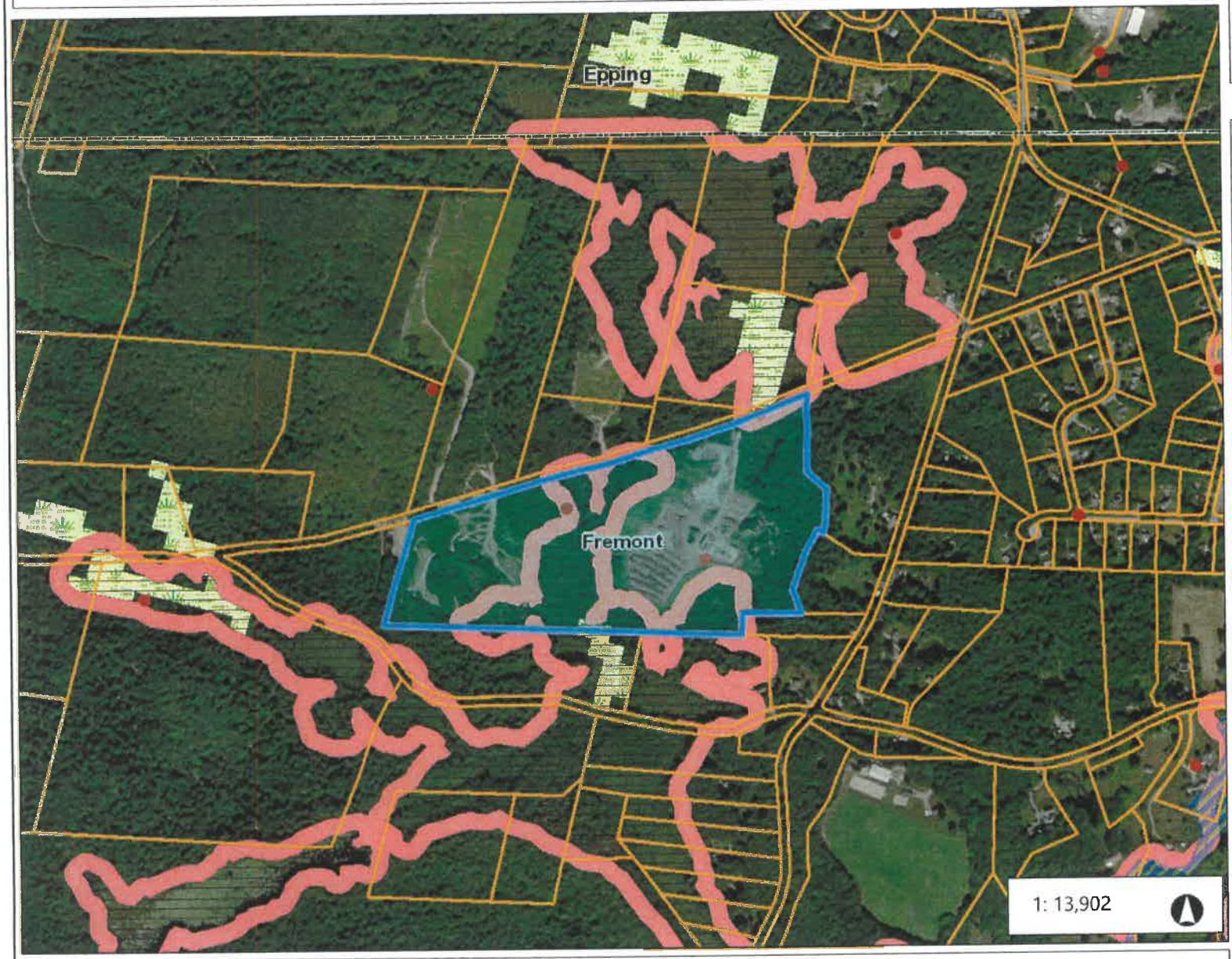
Map By



Legend

- NHDES Wetland and Shorelan
- Shoreland Act Urban Exemptic
- 4th Order and Above Streams
  - 4
  - 5
  - 6
  - 7
- Shoreland Jurisdiction - Lakes
- NH City/Town Boundaries
- NH Parcel Mosaic
- Flood Plain Wetlands Adjacent
- Prime Wetlands with 100 ft Buf
- Prime Wetlands
- Peatlands
- Designated Rivers
  - Subject to SWQPA
  - Not Subject to SWQPA
- Sand Dunes
  - backdune
  - foredune
  - interdune
  - other
- Tidal Waters / Tidal Wetlands
  - Tidal wetland
  - Transitional salt marsh
  - Salt marsh
  - Mud flat
  - Tidal water
- World Imagery
- Low Resolution 15m Imagery

Map Notes

0.5 0 0.25 0.5 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere

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THIS MAP IS NOT TO BE USED FOR NAVIGATION

Map By

Legend

- NHDES Wetland and Shorelan
- NH Parcel Mosaic
- World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery
- High Resolution 30cm Imagery
- Citations

Map Notes

0.5 0 0.25 0.5 Miles

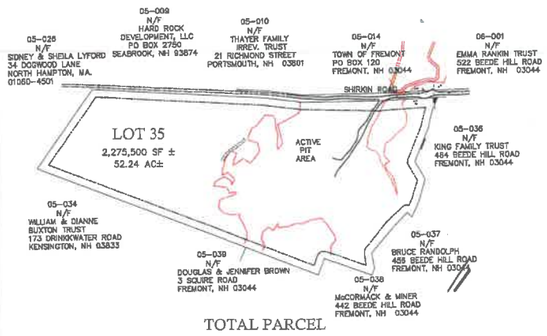
WGS_1984_Web_Mercator_Auxiliary_Sphere

© Latitude Geographics Group Ltd.

This map is a user generated static output from the web-based NHDES Wetlands Permit Scanning Tool and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. No map should be printed with scale 1 to less than 7,500.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

SITE PLANS



TOTAL PARCEL

LEGEND

- PROPERTY LINES
- EDGE OF GRAVEL ROAD
- CONTOUR-EXISTING
- 100' CONTOUR-PROPOSED
- LIMIT OF WETLANDS
- LIMIT OF ACTIVE WORK AREA
- TREELINE
- DHU DHU OVERHEAD UTILITIES
- UTILITY POLE
- W WELL - WATER
- M WELL - MONITORING
- WETLAND AREA
- SURFACE DRAINAGE DIRECTION
- 171+5 EXISTING SPOT ELEVATION
- 171x5 PROPOSED SPOT ELEVATION

GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

DEED REFERENCE:

RCRD BOOK 5154 PAGE 1654

PLAN REFERENCES:

"AMENDED EXCAVATION SITE PLAN" TAX MAP 5 - LOT 35
SHIRKIN ROAD FREMONT, NH
OWNER/APPLICANT: JOHN GALLOWAY.
SCALE: 1"=80'. DATE: AUGUST 2012.
LAST REVISION 10-8-12.
BY: CIVIL CONSTRUCTION MANAGEMENT, INC.
RECORDED: RCRD PLAN D-37522.

WETLAND DELINEATION - AUGUST 2012
DENNIS G. QUINTAL, CWS PERFORMED THE WETLAND DELINEATION ACCORDING TO THE METHODOLOGY OF THE "CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (TECH. REPORT Y-87-1 JAN. 1987)"

WETLAND RE-DELINEATION - FEBRUARY 4, 2020

STATE OF NEW HAMPSHIRE
DENNIS G. QUINTAL
No. 107
CERTIFIED WETLAND SCIENTIST

THE STATE OF NEW HAMPSHIRE
DENNIS G. QUINTAL
No. 8401
LICENSED
PROFESSIONAL ENGINEER

DENNIS G. QUINTAL, P.E. DATE

NOTE: PRIOR TO BLASTING:
REPRESENTATIVE WELLS IN THE BLASTING ZONE THAT WILL BE MONITORED SHALL BE IDENTIFIED AND SUBMITTED TO NHDES FOR REVIEW AND APPROVAL PRIOR TO INITIATING BLASTING.

TOWN OF FREMONT PLANNING BOARD

CHAIRMAN DATE

SECRETARY DATE

#	DATE	REVISION
8	07-20-16	Town Review
5	02-29-16	Update Existing Conditions & Town Engineer's Review
4	12-21-15	Add Sheet 2 & Edit Note 12
3	12-2-15	Title "Amended Site Plan" & Note 12
2	11-17-15	Add Dumpsters and Material Volume Note
1	10-2-15	Proposed Office Trailor

DATE	RECENT REVISIONS
9-12-16	STORMWATER CONTROLS
10-3-16	TOWN REVIEW COMMENTS
12-28-16	TOWN REVIEW COMMENTS
1-27-20	NHDES AoT REVIEW
5-4-20	NHDES AoT REVIEW ADD NOTE RE-FLAG EOW

AMENDED SITE PLAN
GALLOWAY PIT

TAX MAP 5 - LOT 35
SHIRKIN ROAD
FREMONT, NH

OWNER/APPLICANT: JOHN GALLOWAY
PO Box 809
PLAISTOW, NH 03865

DESIGN BY:
Civil Construction Management Inc.
8 Merrimac Road, Box 475
Newton, NH 03858
Tel (603) 382-7650

DRAWN BY: D. QUINTAL, PE CHK BY: D. QUINTAL, PE
DATE: DEC. 2015

Sheet: 1

JOB #12066

SHIRKIN ROAD

GATE

4P
OUTLET CULVERT
30'-12" PVC
INLET EL. 170.3
OUTLET EL. 169.90
2" DIA. VERT. ORIFICE
IN SIDE OF 12" TEE
INVERT AT 170.3
TOP OF TEE
HORIZONTAL ORIFICE
TOP OF TEE ELEV. 172.5

WET POND 4P
BOTTOM
EL. 161.0

WET POND BERM
MIN. ELEV 174.5

#1

#2

EXISTING SWALE

100'

18" STONE FILTER BERM (TYP.)

BERM ELEV. 174.5

4 STONE FILTER BERM EL. 172.5

DUMPSTERS

FORBAY 1P

BERM MIN EL. 174.5

10'SPILLWAY EL 172.75

PROPOSED 3' FILTER BERM SEDIMENT TRAP MADE OF STUMP GRINDINGS

EXISTING ACTIVE WORK AREA ORGANIC COMPOSTING

LIMIT OF 3 ACRES USED AS A STAGING, CRUSHING, SCREENING AND LOADING AREA FOR NON-HAZARDOUS ASPHALT AND CONCRETE

INSTALL HIGH VISIBILITY ORANGE PVC SAFETY FENCE (ULINE OR EQUAL)

PROPOSED SURFACE DRAINAGE DIRECTION

PROPOSED GRAVEL ACCESS ROAD

GRAVEL ACCESS ROAD

ABANDON THIS SECTION OF THE ACCESS WAY IN THE BUFFER AND LOAM AND SEED

EXISTING SPOT ELEVATION (TYP.)

BERM EL. 173.7

WET POND 6P BOT. EL 161.0

FOREBAY 258 CF

4'SPILLWAY EL 172.20

PROPOSED OFFICE TRAILOR

MATCH LINE

WATER LEVEL 166.6

FIRE POND

HYDRANT

PROPOSED FIRE POND

PROPOSED RELOCATION OF DRY HYDRANT LOCATION AND MATERIALS TO BE SPECIFIED BY THE FREMONT FIRE DEPARTMENT

POTENTIAL TURTLE NESTING AREAS

LEGEND

- PROPERTY LINES
- EDGE OF GRAVEL ROAD
- CONTOUR-EXISTING
- CONTOUR-PROPOSED
- LIMIT OF WETLANDS
- LIMIT OF ACTIVE WORK AREA
- TREELINE
- OVERHEAD UTILITIES
- UTILITY POLE
- WELL - WATER
- WELL - MONITORING
- WETLAND AREA
- SURFACE DRAINAGE DIRECTION
- 171+5 EXISTING SPOT ELEVATION
- 171±5 PROPOSED SPOT ELEVATION

STATE OF NEW HAMPSHIRE DENNIS G. QUINTAL No. 107 CERTIFIED WETLAND SCIENTIST

THE STATE OF NEW HAMPSHIRE DENNIS G. QUINTAL No. 8401 LICENSED PROFESSIONAL ENGINEER

DENNIS G. QUINTAL, P.E. DATE

SCALE: 1" = 40'

40 0 40 80

30 20 10

TOWN OF FREMONT PLANNING BOARD

CHAIRMAN DATE

SECRETARY DATE

3-6-18	SUBMITTAL TO AOT
1-4-17	TOWN REVIEW COMMENTS
12-28-16	TOWN ENGINEER & ZBA REVIEW COMMENTS
10-3-16	TOWN REVIEW COMMENTS
9-12-16	STORMWATER CONTROLS
DATE	RECENT REVISIONS

AMENDED SITE PLAN
GALLOWAY PIT

TAX MAP 5 - LOT 35
SHIRKIN ROAD
FREMONT, NH

OWNER/APPLICANT: JOHN GALLOWAY
PO Box 809
PLAISTOW, NH 03865

DESIGN BY:
Civil Construction Management Inc.
8 Merrimac Road, Box 475
Newton, NH 03858
Tel (603) 382-7650

DRAWN BY: D. QUINTAL, PE CHK BY: D. QUINTAL, PE
DATE: DEC. 2016

Sheet: 3

JOB #12068

WATER LEVEL 166.6
EXISTING HYDRANT
FIRE POND
PROPOSED FIRE POND
PROPOSE ADDITION TO FIRE POND BOTTOM EL. 154
PROPOSED RELOCATION OF DRY HYDRANT LOCATION AND MATERIALS TO BE SPECIFIED BY THE FREMONT FIRE DEPARTMENT
VEHICLE ACCESS
10'SPILLWAY EL 172.75
TEST 7
PROPOSED 3' FILTER BERM SEDIMENT TRAP MADE OF STUMP GRINDINGS
EXISTING ACTIVE WORK AREA FOR ORGANIC COMPOSTING
DUMPSTER
TBM DH CNR CONCRETE ELEV. 177.00
PROPOSED OFFICE TRAILOR
MATCH LINE
LOADING RAMP
SCALE
OFFICE
WATER WELL
4'SPILLWAY EL 172.20
BERM EL. 173.5
FOREBAY 477 CF
DETENTION POND 2P BOT. EL 161
2P OUTLET CULVERT 40'-12" PVC INLET EL. 169.0 OUTLET EL. 168.6 2" DIA. VERT. ORIFICE IN SIDE OF 12" TEE INVERT AT 169.0 TOP OF TEE HORIZONTAL ORIFICE TOP OF TEE ELEV. 172.0
EXISTING AREA FOR PROCESS OF ORGANIC MATERIALS AND TEMPORARY STORAGE OF PROCESSED MATERIALS
7' SPILLWAY EL 172.5
FOREBAY 608 CF
WET POND 5P BOTTOM EL. 161
6" SECTION OF FILTER BERM MADE OF CRUSHED STONE (TYP.)
FOREBAY 1157 CF
PROPOSED 3' FILTER BERM SEDIMENT TRAP MADE OF STUMP GRINDINGS
EXISTING LEDGE & GRAVEL TO BE EXCAVATED AREA FOR TEMPORARY STORAGE OF PROCESSED MATERIAL
FOREBAY 2236 CF
100'
BERM EL. 174.0
SPILLWAY EL 172.5
TEST 13
POTENTIAL TURTLE NESTING AREAS
5P OUTLET CULVERT 40'-18" PVC INLET EL. 170.40 OUTLET EL. 170.0 2" DIA. VERT. ORIFICE IN SIDE OF 18" TEE INVERT AT 170.40 TOP OF TEE HORIZONTAL ORIFICE TOP OF TEE ELEV. 172.0
PROPERTY LINE
#3

TOWN OF FREMONT PLANNING BOARD

CHAIRMAN DATE

SECRETARY DATE

LEGEND

- PROPERTY LINES
- EDGE OF GRAVEL ROAD
- CONTOUR-EXISTING
- CONTOUR-PROPOSED
- LIMIT OF WETLANDS
- LIMIT OF ACTIVE WORK AREA
- TREELINE
- OVERHEAD UTILITIES
- UTILITY POLE
- WELL ~ WATER
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- SURFACE DRAINAGE DIRECTION
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STATE OF NEW HAMPSHIRE DENNIS G. QUINTAL No. 107 CERTIFIED WETLAND SCIENTIST

STATE OF NEW HAMPSHIRE DENNIS G. QUINTAL No. 6401 LICENSED PROFESSIONAL ENGINEER

DENNIS G. QUINTAL, P.E. DATE

SCALE: 1" = 40'

40 0 40 80

30 20 10

3-6-19	SUBMITTAL TO AOT
12-28-15	TOWN ENGINEER & ZBA REVIEW COMMENTS
10-3-16	TOWN REVIEW COMMENTS
9-12-16	STORMWATER CONTROLS
DATE	RECENT REVISIONS

AMENDED SITE PLAN
GALLOWAY PIT

TAX MAP 5 - LOT 35
SHIRKIN ROAD
FREMONT, NH

OWNER/APPLICANT: JOHN GALLOWAY
PO Box 809
PLAISTOW, NH 03865

DESIGN BY:
Civil Construction Management Inc.
8 Merrimac Road, Box 475
Newton, NH 03858
Tel (603) 382-7650

DRAWN BY: D. QUINTAL PE CHK BY: D. QUINTAL PE
DATE: DEC. 2015

Sheet: 4

JOB #12066

TOTAL PROJECT AREA

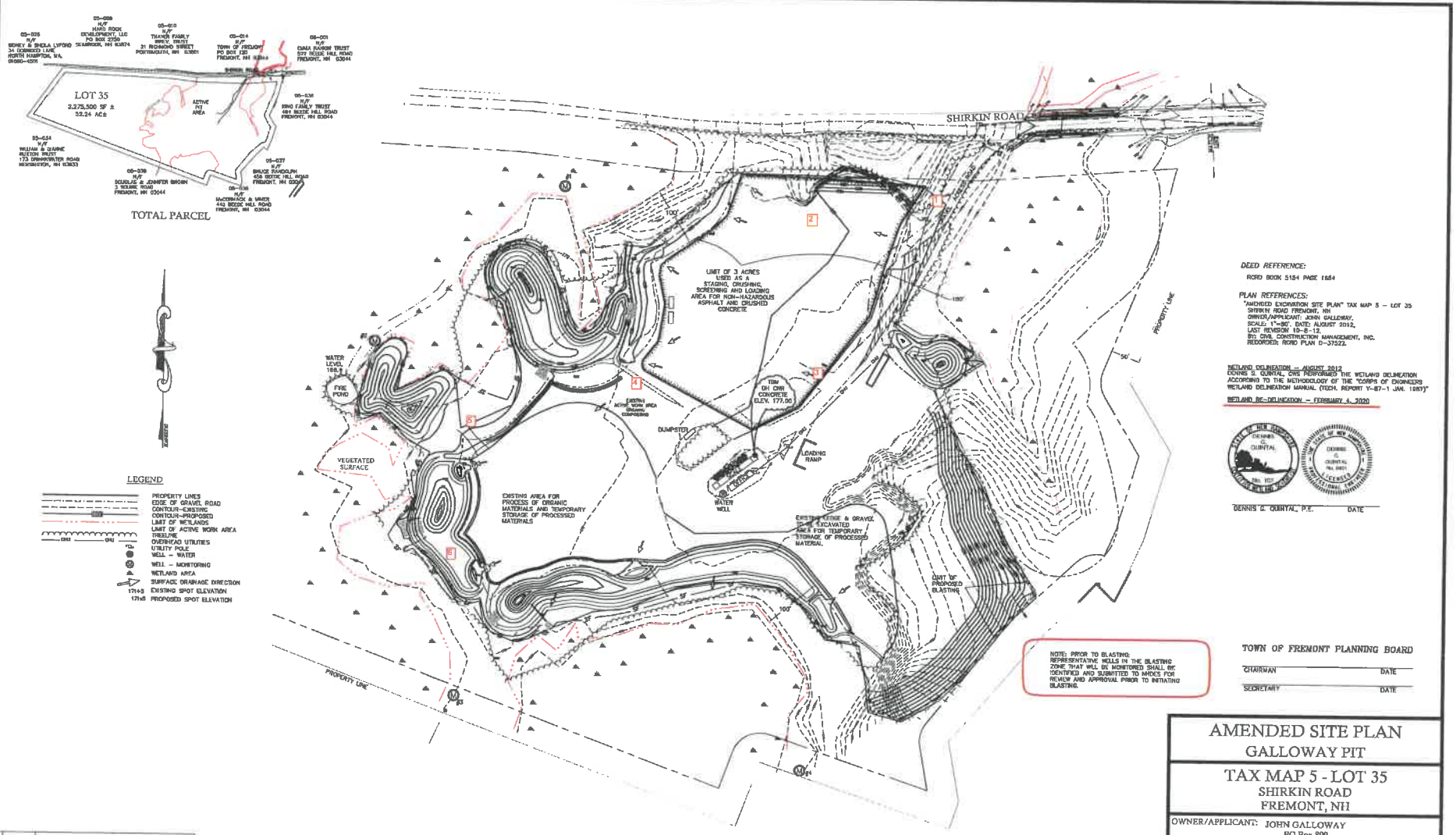
TAX MAP 5 - LOT 35
SHIRKIN ROAD
FREMONT, NH

OWNER/APPLICANT: JOHN GALLOWAY
PO Box 809
PLAISTOW, NH 03865

DESIGN BY:
Civil Construction Management Inc.
8 Merrimac Road, Box 475
Newton, NH 03858
Tel (603) 382-7650

JOB #12066

PHOTOLOG OF IMPACT AREA



DEED REFERENCE:
ROCD BOOK 5154 PAGE 1654

PLAN REFERENCES:
"AMENDED EXCAVATION SITE PLAN" TAX MAP 5 – LOT 35
SHIRKIN ROAD FREMONT, NH
OWNER/APPLICANT: JOHN GALLOWAY,
SCALE: 1"=80', DATE: AUGUST 2012,
LAST REVISION 10-8-12,
BY: CIVIL CONSTRUCTION MANAGEMENT, INC.
RECORDED: ROCRD PLAN D-37522.

WETLAND DELINEATION – AUGUST 2012
DENNIS G. QUINTAL, CWS PERFORMED THE WETLAND DELINEATION ACCORDING TO THE METHODOLOGY OF THE "CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (TECH. REPORT Y-87-1 JAN. 1987)"

WETLAND RE-DELINEATION – FEBRUARY 4, 2020

DENNIS G. QUINTAL, P.E. DATE

NOTE: PRIOR TO BLASTING:
REPRESENTATIVE HOLES IN THE BLASTING ZONE THAT WILL BE MONITORED SHALL BE IDENTIFIED AND SUBMITTED TO NHDES FOR REVIEW AND APPROVAL PRIOR TO INITIATING BLASTING.

TOWN OF FREMONT PLANNING BOARD

CHAIRMAN DATE

SECRETARY DATE

AMENDED SITE PLAN
GALLOWAY PIT
TAX MAP 5 - LOT 35
SHIRKIN ROAD
FREMONT, NH

OWNER/APPLICANT: JOHN GALLOWAY
PO Box 809
PLAISTOW, NH 03865

DESIGN BY:
Civil Construction Management Inc.
8 Merrimac Road, Box 475
Newton, NH 03858
Tel (603) 382-7650

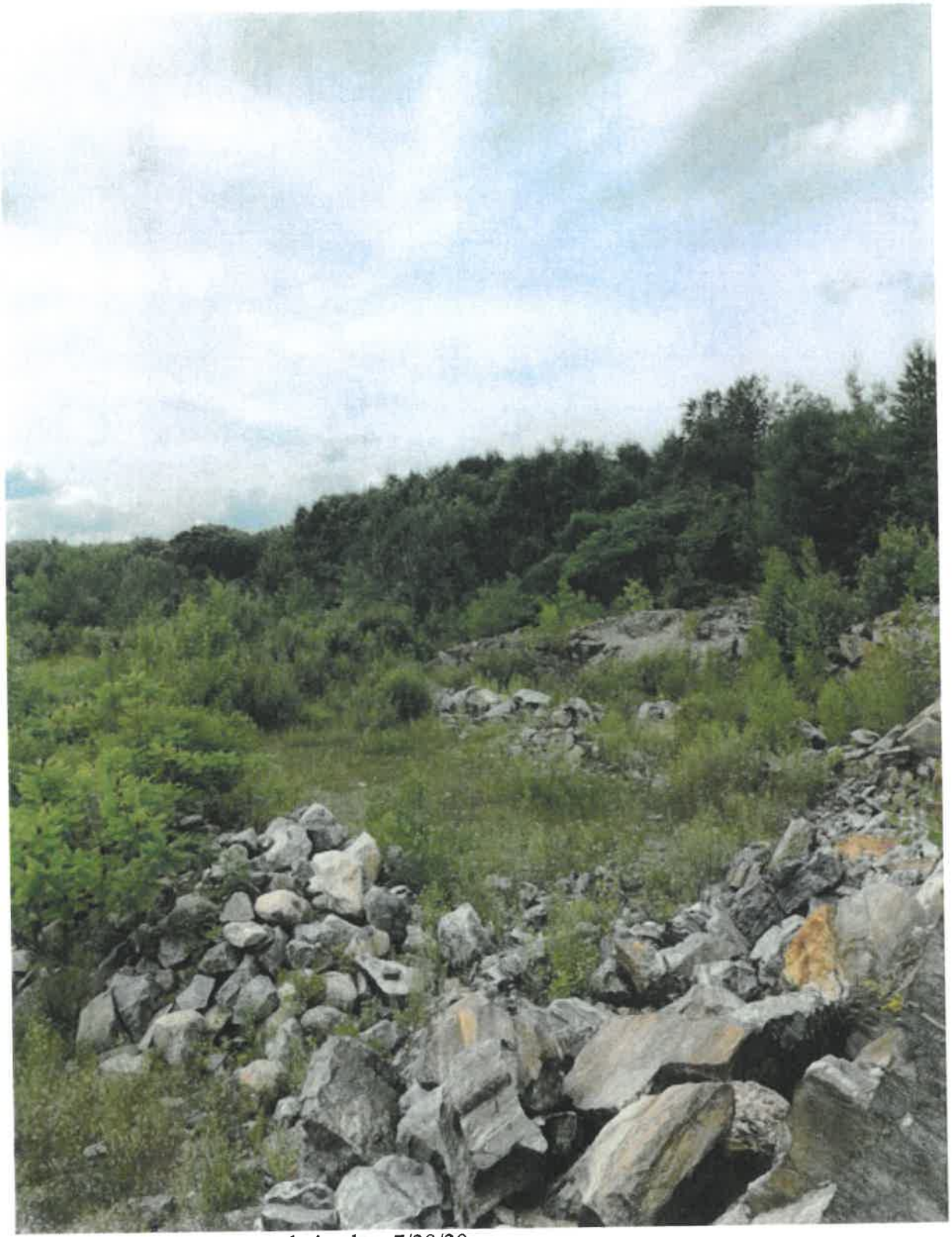
DRAWN BY: D. QUINTAL, PE CHK BY: D. QUINTAL, PE
DATE: Sept. 2018

Sheet: 1

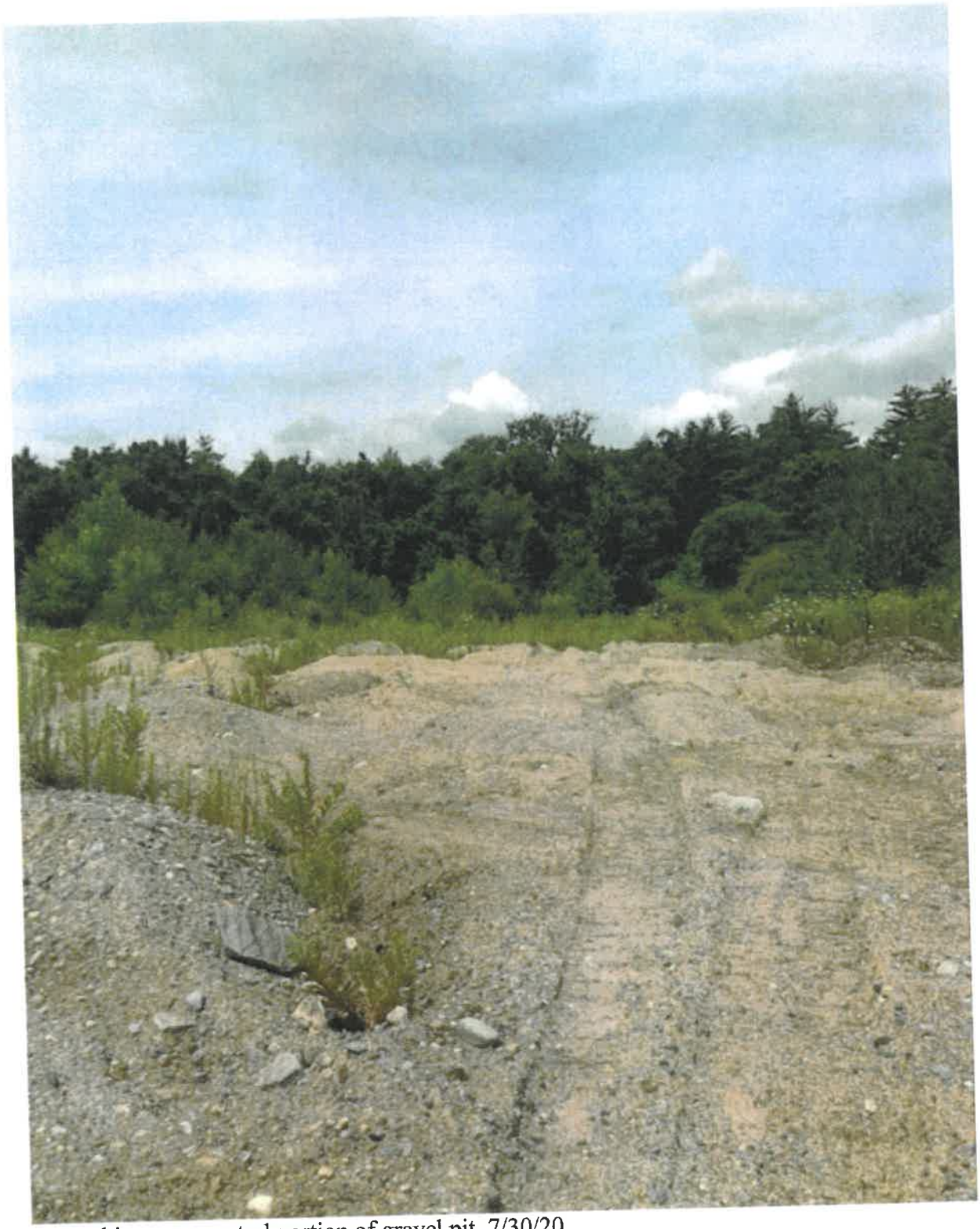
JOB #12088

#	DATE	REVISION
6	07-20-18	Town Review
5	02-28-16	Update Existing Conditions & Town Engineer's Review
4	12-21-15	Add Sheet 2 & Edit Note 12
3	12-2-15	Title "Amended Site Plan" & Note 12
2	11-17-15	Add Dumpsters and Material Volume Note
1	10-2-15	Proposed Office Trailer

DATE	RECENT REVISIONS
8-4-20	NHDES AoT REVIEW ADD NOTE RE-FLAG EOW
1-27-20	NHDES AoT REVIEW
12-20-18	TOWN REVIEW COMMENTS
10-3-18	TOWN REVIEW COMMENTS
8-13-18	STORMWATER CONTROLS

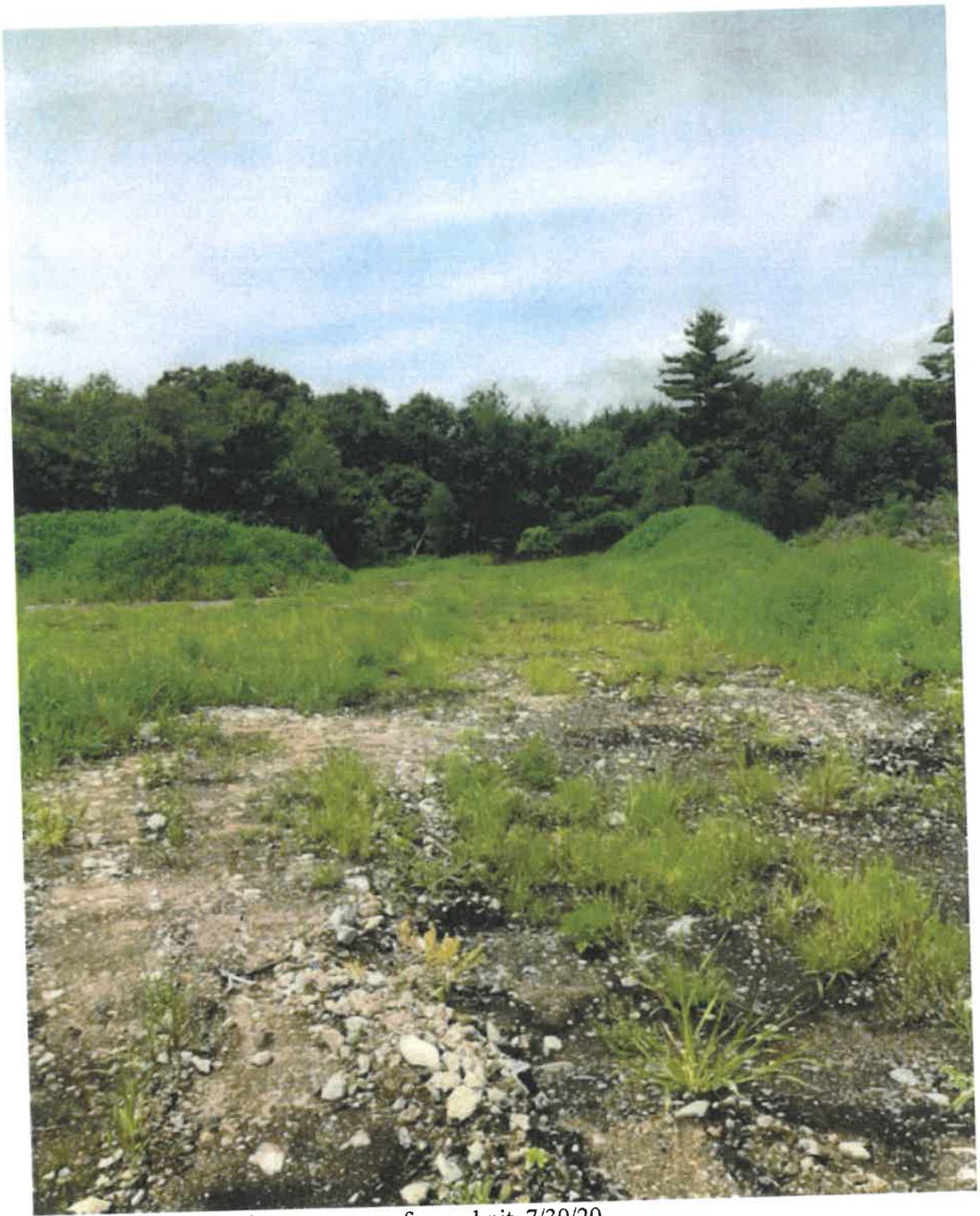


2. Looking west over gravel pit edge. 7/30/20



3. Looking over central portion of gravel pit. 7/30/20

4. Looking east over gravel pit from western edge. 7/30/20



5. Looking over south west corner of gravel pit. 7/30/20

6. Looking over southern edge of gravel pit. 7/30/20

Appendix I
New Hampshire Natural Heritage Bureau Inquiry

CONFIDENTIAL – NH Dept. of Environmental Services review

Memo

NH NATURAL HERITAGE BUREAU
NHB DATACHECK RESULTS LETTER

To: Luke Hurley, Gove Environmental Services, Inc.
8 Continental Drive
Exeter, NH 03833

From: Amy Lamb, NH Natural Heritage Bureau
Date: 9/8/2020 (valid for one year from this date)
Re: Review by NH Natural Heritage Bureau
NHB File ID: NHB20-2665 Town: Fremont Location: Tax Maps: 5/35
Description: Storm water ponds per NHAOT, within an open gravel pit and active materials recycling facility.
cc: Kim Tuttle

As requested, I have searched our database for records of rare species and exemplary natural communities, with the following results.

Comments: Please contact the NH Fish & Game Department to address wildlife concerns.

Vertebrate species	State[1]	Federal	Notes
Blanding's Turtle (*Emydoidea blandingii*)	E	--	Contact the NH Fish & Game Dept (see below).
Spotted Turtle (*Clemmys guttata*)	T	--	Contact the NH Fish & Game Dept (see below).
Wood Turtle (*Glyptemys insculpta*)	SC	--	Contact the NH Fish & Game Dept (see below).

[1]Codes: "E" = Endangered, "T" = Threatened, "SC" = Special Concern, "--" = an exemplary natural community, or a rare species tracked by NH Natural Heritage that has not yet been added to the official state list. An asterisk (*) indicates that the most recent report for that occurrence was more than 20 years ago.

Contact for all animal reviews: Kim Tuttle, NH F&G, (603) 271-6544.

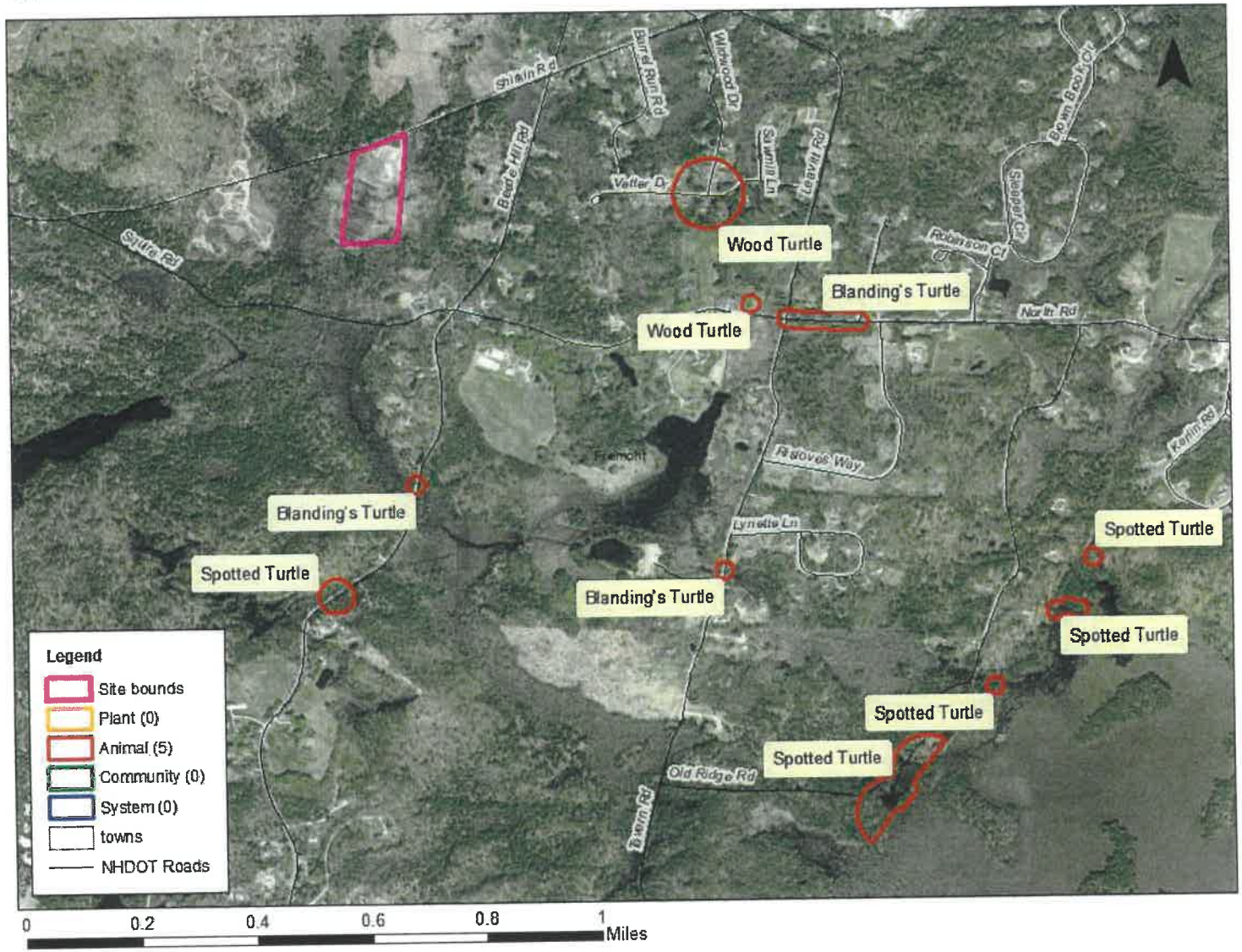
A negative result (no record in our database) does not mean that a sensitive species is not present. Our data can only tell you of known occurrences, based on information gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, or have only been surveyed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

Department of Natural and Cultural Resources
Division of Forests and Lands
(603) 271-2214 fax: 271-6488

DNCR/NHB
172 Pembroke Rd.
Concord, NH 03301

CONFIDENTIAL – NH Dept. of Environmental Services review

NHB20-2665



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: 2009: Area 12326: 1 observed.
General Area: 2009: Area 12326: Roadside.
General Comments: --
Management Comments: --

Location

Survey Site Name: Spruce Swamp
Managed By:

County: Rockingham
Town(s): Fremont
Size: 2.9 acres
Elevation:

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

Directions: 2009: Area 12326: North Road between Leavitt and Rum Hollow Roads.

Dates documented

First reported: 2009-07-23 Last reported: 2009-07-23

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.

CONFIDENTIAL – NH Dept. of Environmental Services review

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: 2012: Area 13467: 1 adult observed, sex unknown, dead on road.
General Area: 2012: Area 13467: Roadside, near shrub wetland.
General Comments: 2012: Location comment: Reporter provided map.
Management Comments: --

Location

Survey Site Name: Spruce Swamp
Managed By:

County: Rockingham
Town(s): Fremont
Size: .4 acres
Elevation:

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

Directions: 2012: Area 13467: Beede Hill Road, Fremont [at crossing of Brown Brook].

Dates documented

First reported: 2012-05-24 Last reported: 2012-05-24

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.

CONFIDENTIAL – NH Dept. of Environmental Services review

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: 2013: Area 13522: 1 adult female observed, dead on road.
General Area: 2013: Area 13522: Roadside, shrub wetland. Shrub/cattail marsh on either side of road in residential area.
General Comments: --
Management Comments: --

Location

Survey Site Name: Spruce Swamp
Managed By:

County: Rockingham
Town(s): Fremont
Size: .4 acres
Elevation:

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

Directions: 2013: Area 13522: Tavern Road, Fremont, between two wetlands.

Dates documented

First reported: 2013-06-10 Last reported: 2013-06-10

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.

CONFIDENTIAL – NH Dept. of Environmental Services review

New Hampshire Natural Heritage Bureau - Animal Record

Spotted Turtle (*Clemmys guttata*)

Legal Status	Conservation Status
Federal: Not listed	Global: Demonstrably widespread, abundant, and secure
State: Listed Threatened	State: Imperiled due to rarity or vulnerability

Description at this Location

Conservation Rank: Excellent quality, condition and landscape context ('A' on a scale of A-D).
Comments on Rank: --

Detailed Description: 2018: 2018 Survey area: 15 males, 7 females, and 2 juveniles captured in trap survey.
2013: Area 13438: 1 adult observed, sex unknown, crossing road.
2012: FR_Ref_3_1: 1 turtle observed on 4/19. 1 turtle observed on 5/18. Observations made through binoculars.
2008: Area 11621: 1 turtle seen. Area 11641: 5 turtles seen.
2007: Area 12457: 1 female observed.

General Area: 2013: Area 13438: Roadside, coniferous forest.
 2008: Area 11641: All the turtles were in the wetland west of the RR tracks
 2007: Area 12457: Crossing from upland oak - pine woods toward pond in open gravelly area and large wetland complex.

General Comments: --
Management Comments: --

Location

Survey Site Name: Spruce Swamp
Managed By: Manchester-Portsmouth RR Bed

County: Rockingham
Town(s): Fremont
Size: 18.8 acres
Elevation:

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

Directions: 2013: Area 13438: Beede Hill Road, Fremont.
 2008: Area 11621: Wetlands west of old RR bed through Spruce Swamp.
 2007: Area 12457: Copp Drive at fire pond near Red Brook.

Dates documented

First reported: 2007-05-10 Last reported: 2018-07-27

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.

CONFIDENTIAL – NH Dept. of Environmental Services review

New Hampshire Natural Heritage Bureau - Animal Record

Wood Turtle (*Glyptemys insculpta*)

Legal Status

Federal: Not listed
State: Special Concern

Conservation Status

Global: Rare or uncommon
State: Rare or uncommon

Description at this Location

Conservation Rank: Not ranked
Comments on Rank: --

Detailed Description: 2012: Area 13066: 1 adult observed.2009: Area 12398: 1 observed.
General Area: 2012: Area 13066: Crossing road from stream to upland grassland2009: Area 12398: Crossing gravel driveway. Appears to have been digging in mulch pile.
General Comments: --
Management Comments: --

Location

Survey Site Name: Brown Brook
Managed By:

County: Rockingham
Town(s): Fremont
Size: 8.1 acres
Elevation:

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

Directions: 2012: Area 13066: North Rd (From Rte. 101, take Exit 6, south on Beede Road. Turn left on North Road. Observation was approximately 0.5 miles on left.) 2009: Area 12398: 2 Wildwood Drive, Fremont.

Dates documented

First reported: 2009-06-04 Last reported: 2012-05-29

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.

CONFIDENTIAL – NH Dept. of Environmental Services review

Dennis,
Thank you for responding and providing supporting information to your statements below for our records. As a note, to maintain the nesting areas as attractive sites, vegetation should be minimal and ideally, they should be sloped-south facing. NHFG would very much appreciate being informed if you observed turtle nesting behavior at the site. Please note that all turtle nests (all species) are protected under New Hampshire laws.

NHFG has no further comments at this time.

Thank you,
Melissa

Melissa Doperalski
Certified Wildlife Biologist®
Nongame and Endangered Wildlife Program
New Hampshire Fish and Game Department
11 Hazen Drive
Concord, New Hampshire 03301
Melissa.doperalski@wildlife.nh.gov
Phone: 603-271-1738

http://www.wildlife.state.nh.us/nongame/index.html

Check out reptiles and amphibians of NH!
http://www.wildlife.state.nh.us/nongame/reptiles-amphibians.html

Report your sightings of reptiles and amphibians in 3 ways:
1) Email details of observation or completed form to RAARP@wildlife.nh.gov
2) Enter your observation online at http://nhwildlifesightings.unh.edu.
3) Mail your reporting slip http://www.wildlife.state.nh.us/nongame/documents/raarp-report-form.pdf

-----Original Message-----
From: ccmi.main@myfairpoint.net <ccmi.main@myfairpoint.net>
Sent: Friday, February 21, 2020 11:12 AM
To: Doperalski, Melissa <Melissa.Doperalski@wildlife.nh.gov>
Subject: RE: Galloway, Shirkin Road, Fremont NHB16-2036, NHB18-3926, NHB18-3700

EXTERNAL: Do not open attachments or click on links unless you recognize and trust the sender.

Hi Melissa,

In response to your commends:

1. For Shirkin Road, we did change the culvert size to 18" RCP as recommended and have obtained a wetland permit. However, we could not increase the size more because of the hydraulics and the increased size would require the roadway to be raised up to meet minimum cover over the pipe. By raising the road the side slopes would need to be extending fill farther into the wetlands.

2. Turtle crossing sign was added to the Shirkin Road Site Plan.

3. A speed limit sign was added to the Shirkin Road Site Plan. See attached Plan.

4. The existing Galloway pit is being used for recycle of organic materials. The active area extends well into the 100-foot wetland buffer. The proposed design for the Galloway site shows the restoring the 100-foot buffer of the pit area. Surrounding the stormwater features there is a lot of grass sandy areas along the edge of the wetland resource area. These previously active areas will be well away from the proposed active area and will serve as potential turtle habitat nesting areas. See attached Amended Site Plans.

5. The proposed use of the property is to have useable area as a staging to crush and screen non-hazardous concrete and asphalt material processing to a recycled product to sell.

Could you please respond to satisfy the following request from Ms. Andrews?

A review comment from Gloria Andrews, PE at NHDES AoT is to "...provide written concurrence from NHFG stating either that: (a) the project is not expected to affect the blanding's turtle, redfin sunfish or long eared bat reported by the NHBas potetially occuring in the project area; or (b) that any recommendations of the NHFG to address impacts the threatened or endangered species have been incorporated into the project plans, with a plan revision date of 3-11-19, such that the project satisfies the design requirements of Env-Wq 1503.19(h).1.

Thank you for your time,
Dennis Quintal, PE CWS

On Mon, 10 Feb 2020 14:59:16 +0000, "Doperalski, Melissa" <Melissa.Doperalski@wildlife.nh.gov> wrote:

Good morning Dennis,
This project is located in an area with 2 state-listed turtle species and a turtle species of special concern. Our records indicate that it has been a while since we last exchanged communications with you regarding this proposed project. Thank you for including the revised plans. Can you confirm that project plans haven't changed since our last communication back in March 2019? Please provide a response with a summary of what has changed or how earlier comments have been addressed.

Other comments I had on record that were made during a wetlands mitigation meeting for this project in October 2018 were:

• It was mentioned that a 16" culvert was proposed and was acceptable to NHFG. I followed up with Kim and she had recommended a minimum of a 18" RCP. She had recommended an ideal culvert would be 3' to aid in amphibian crossing potentially.
• Recommended turtle crossing signage.
• Recommended speed limit set to 15-20 mph maximum.
• Interested in turtle habitat mitigation.
• Although not related to the wetland permit, we would like more information on the proposed expansion.

-Melissa

-----Original Message-----
From: ccmi.main@myfairpoint.net
Sent: Monday, January 27, 2020 10:18 AM
To: Tuttle, Kim
Subject: Galloway, Shirkin Road, Fremont

EXTERNAL: Do not open attachments or click on links unless you recognize and trust the sender.

Hi Kim,

RE: NHB File ID: NHB 16-2036, 18-3926, 18-3700
Shirkin Road, Fremont, NH

I have sent an application to NHDES Alteration of Terrain for this project.

I had made changes to the plans 3-11-19 as a result of your email sent to me on that date (see attached).

A review comment from Gloria Andrews, PE at NHDES AoT is to "...provide written concurrence from NHFG stating either that: (a) the project is not expected to affect the Blanding's turtle, redfin sunfish or long eared bat reported by the NHB as potentially occurring in the project area; or (b) that any recommendations of the NHFG to address impacts the threatened or endangered species have been incorporated into the project plans, with a plan revision date of 3-11-19, such that the project satisfies the design requirements of Env-Wq 1503.19(h).

Any additional questions, let me know.

Dennis Quintal

Appendix II
NH DHR Request

Please mail the completed form and required material to:

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

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

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

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

GENERAL PROJECT INFORMATION

Project Title Recyling Facility

Project Location Shirking Road

City/Town Fremont Tax Map 5 Lot # 35

NH State Plane - Feet Geographic Coordinates: Easting 1129786 Northing 188231
(See RPR Instructions and R&C FAQs for guidance.)

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

State Agency and Contact *(if applicable)* NH DES

Permit Type and Permit or Job Reference #

APPLICANT INFORMATION

Applicant Name Galloway trucking

Mailing Address PO Box 809 Phone Number

City Plaistow State NH Zip 03858 Email gallowaytrucking53@gmail.com

CONTACT PERSON TO RECEIVE RESPONSE

Name/Company Luke hurley

Mailing Address 8 continental Drive Phone Number 6037705114

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

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

PROJECTS CANNOT BE PROCESSED WITHOUT THIS INFORMATION

Project Boundaries and Description

- ☒ Attach the Project Mapping ***using EMMIT or relevant portion of a 7.5' USGS Map.*** *(See RPR Instructions and R&C FAQs for guidance.)*
- ☒ Attach a detailed narrative description of the proposed project.
- ☒ Attach a site plan. The site plan should include the project boundaries and areas of proposed excavation.
- ☒ Attach photos of the project area (overview of project location and area adjacent to project location, and specific areas of proposed impacts and disturbances.) *(Informative photo captions are requested.)*
- ☒ A DHR records search must be conducted to identify properties within or adjacent to the project area. Provide records search results via EMMIT or in **Table 1**. *(Blank table forms are available on the DHR website.)*
  EMMIT or in-house records search conducted on 9/9/2020.

Architecture

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

Approximate age(s):

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

Archaeology

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

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

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

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

☐ Insufficient information to initiate review. ☐ Additional information is needed in order to complete review.

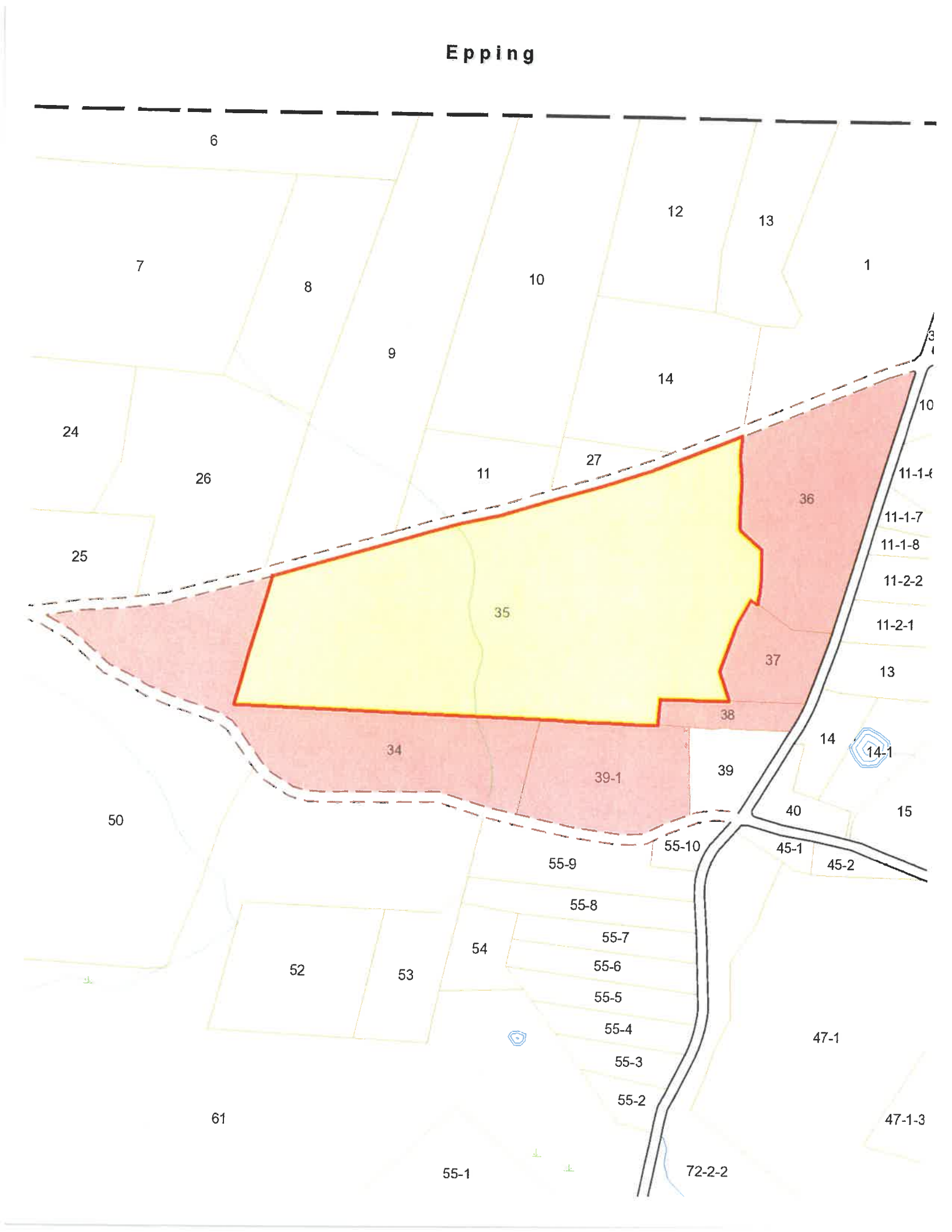
☐ No Potential to cause Effects ☐ No Historic Properties Affected ☐ No Adverse Effect ☐ Adverse Effect

Comments: _____

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

Authorized Signature: _____ Date: _____

Appendix III
Tax Map, List of Abutters, Abutter Notification Letter, and Certified Mail Receipts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55-1
72-2-2
47-1-3
11-1-7
11-1-8
11-2-2
11-2-1
13

LIST OF ABUTTERS

As defined as any person who owns property immediately adjacent and contiguous to the property on which the project will take place.

Tax Map–Lot Number

Subject Parcel
5/35
GALLOWAY, JOHN & BRENDA
PO BOX 809
PLAISTOW, NH 03865-0809

5/34
PATTERSON, BERNADETTE
10 TWINS ROAD
RAYMOND, NH 03077

5/36
KING TTEES, JOHN J & RENEE M KING
FAMILY TRUST OF 2015
464 BEEDE HILL ROAD
FREMONT, NH 03044

5/37
RANDOLPH, BRUCE K
456 BEEDE HILL ROAD
FREMONT, NH 03044

5/38
MCCORMACK, JOSEPH J & MINER,
NERISSA J
442 BEEDE HILL ROAD
FREMONT, NH 03044

5/39-1
PITKIN, MARK PITKIN, LAURIE TROSTLE
9 SQUIRE ROAD
FREMONT, NH 03044

September 3, 2020

«Name»
«Street»
«TownStateZip»

Re: Standard Dredge & Fill, Shirkin Road, Fremont
Subject: New Hampshire Department of Environmental Services: Wetlands Bureau
Standard Dredge & Fill Permit

Dear Abutter:

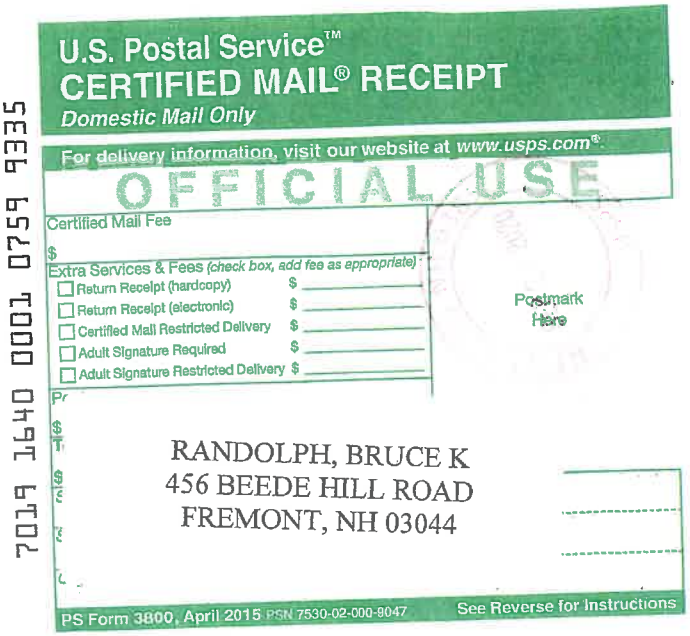
The purpose of this letter is to inform you that Galloway Trucking of Plaistow, NH, is applying to the New Hampshire Department of Environmental Services: Wetlands Bureau, which requires this notice, for a Standard Dredge & Fill Permit to impact areas under its jurisdiction. The project is for a gravel pit upgrade.

A copy of the application, including plans, will be made available for your review at the Fremont 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,

Luke Hurley
GES Inc.
603-770-5114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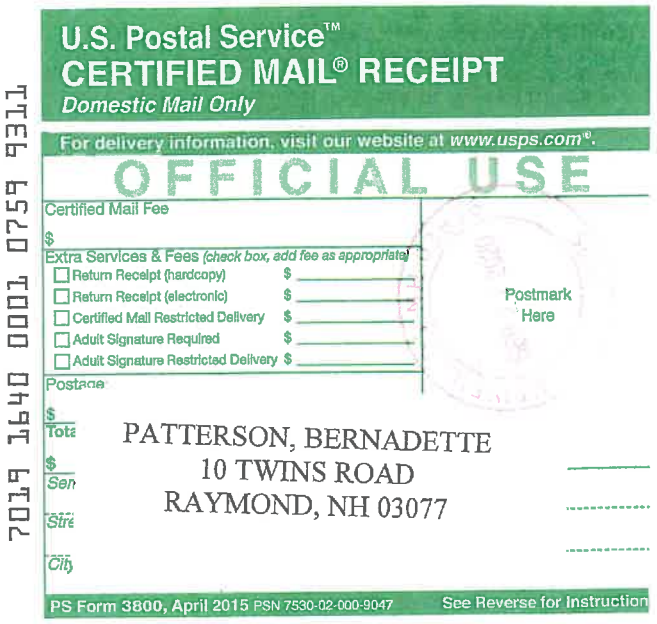
RANDOLPH, BRUCE K
456 BEEDE HILL ROAD
FREMONT, NH 03044
PS Form 3800, April 2015 PSN 7530-02-000-9047
See Reverse for Instructions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RAYMOND, NH 03077
PS Form 3800, April 2015 PSN 7530-02-000-9047
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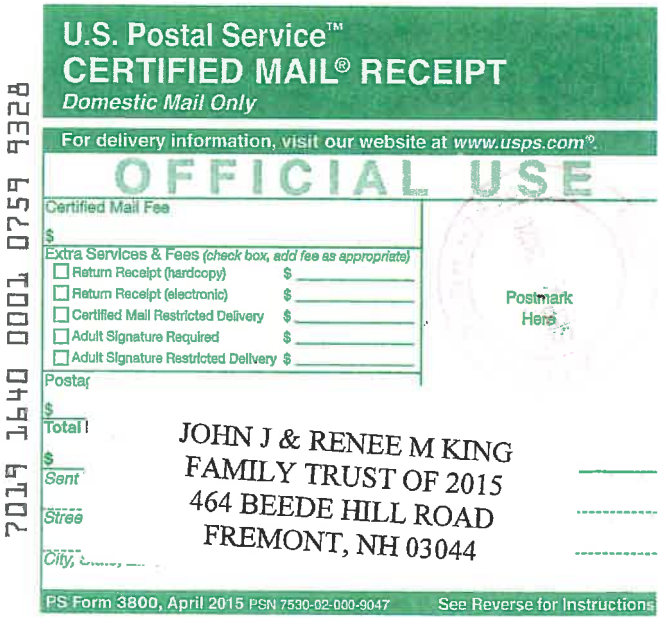
Adult Signature Required $
Adult Signature Restricted Delivery $
Postmark Here
7019 1640 0001 0759 9342
MCCORMACK, JOSEPH J & MINER, NERISSA J
442 BEEDE HILL ROAD
FREMONT, NH 03044
PS Form 3800, April 2015 PSN 7530-02-000-9047
See Reverse for Instructions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FREMONT, NH 03044
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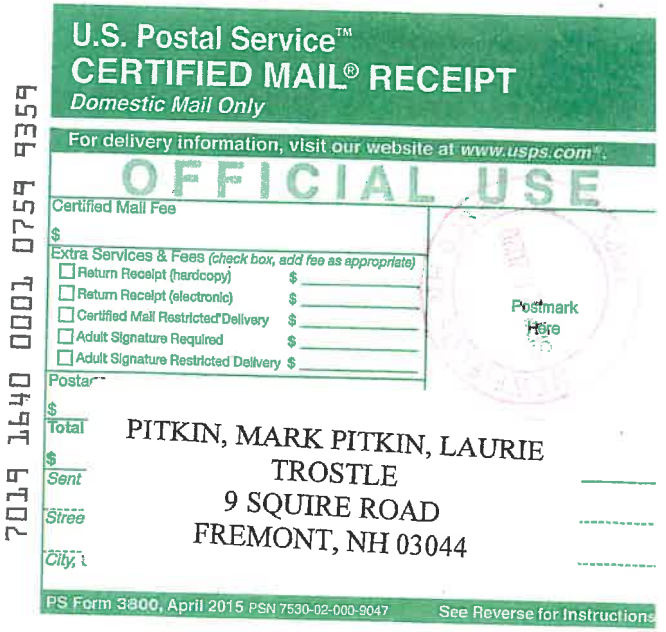
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7019 1640 0001 0759 9359
PITKIN, MARK PITKIN, LAURIE TROSTLE
9 SQUIRE ROAD
FREMONT, NH 03044
PS Form 3800, April 2015 PSN 7530-02-000-9047
See Reverse for Instructions