CHNEIDER, DAVIGNON & LEONE. INC.

**PROFESSIONAL CIVIL ENGINEERS & LAND SURVEYORS** 

N. DOUGLAS SCHNEIDER, P.E., P.L.S. MATTHEW C. LEONE, P.L.S.



DAVID M. DAVIGNON, P.E. JAY MCKINNON, E.I.T.

February 27, 2020

Town of Fairhaven Conservation Commission 40 Centre Street Fairhaven, MA 02719

Attn: Whitney McClees, Agent

*Re: Request for an Extension Permit - DEP File No. SE 23-1247* Project Type: House Reconstruction & Tight Tank Installation Applicant/Owner: Sherry L. Gomes Site Address: 16 Wilbur's Point Drive, Fairhaven

Dear Whitney,

Schneider, Davignon & Leone, Inc., acting as agent for Sherry L. Gomes hereby requests that the Fairhaven Conservation Commission (FCC) issue a 3-year Extension Permit for the above described project.

On April 18, 2017 the FCC issued the Order of Conditions permitting the removal of the ground level cottage and replacement with a single family dwelling on an open concrete column foundation in compliance with FEMA and Mass Building Code for construction within a Velocity Zone – together with associated site work.

The above described project was delayed due to extensive State and Federal Permitting for the upgrade of the existing vertical concrete seawall, work which was permitted by the FCC under DEP File No. SE 23-1268. Said work has now been completed.

The next phase of work to be completed is the sloped rip-rap seawall along the northerly portion of the shoreline, which is expected to be completed this spring.

The hope is to begin the construction of the new home this year, but just in case there are further delays, she respectfully requests that a 3-year Extension Permit be issued.

Should you have any questions or need additional information, please call me at (508) 758-7866 (Ext. 203).

Sincerely, Schneider, Davignon & Leone, Inc.

D.I.M. Denn

David M. Davignon, P.E

cc: Sherry L. Gomes Victor Barboza File 224





February 13, 2020

Fairhaven Conservation Commission 40 Center Street Fairhaven, MA 02719

#### RE: Certificate of Compliance Huttleston Avenue - Map 31, Lot 115A & 117C Mass DEP File #SE 23-1245

Dear Commission Members,

We request that you issue a Certificate of Compliance for the above referenced file number. No work has been done and the Order of Conditions is about to expire.

The land is currently owned by: Dana B. Lewis 18 Tanner Lane Fairhaven, MA 02719

Please send the issued Certificate to me at Prime Engineering.

Sincerely, PRIME ENGINEERING, INC hear

Richard J. Rheaume, P.E., LSP Chief Engineer



RJR/mc



M

54

# TOWN OF FAIRHAVEN, MASSACHUSETTS

Town Hall · 40 Center Street · Fairhaven, MA 02719

#### CERTIFICATE OF COMPLIANCE CHECKLIST

Once the project has been completed and all areas of work are stabilized, you must request a Certificate of Compliance be issued to you. This Certificate of Compliance will allow you to finalize your obligation to the Conservation Commission and close out the Order of Conditions. This is very important, as it lifts the cloud that an open Order of Conditions places on your deed. If the project was never initiated and the Order of Conditions has expired, you are still responsible for requesting a Certificate of Compliance.

The following checklist indicates the materials that need to accompany your request for a Certificate of Compliance and must be submitted **at least 7 days prior to the target meeting date** of the Conservation Commission. The request shall be placed on the meeting agenda for the Commission's consideration and sign-off.

1 Original and 1 Copy of WPA Form 8A – Request for Certificate of Compliance

Letter requesting a Certificate of Compliance, including:

- Dame & address of the current landowner
- name & address of the individual to whom the Certificate is to be issued
- Street address and map and lot number where the project is located
- 🖾 DEP file number

NA 2 copies of an As-Built Plan showing existing built conditions, if required in the Order of Conditions. This plan should be in the same scale as the approved plan.

- 2 copies of a letter from a Registered Professional Engineer or Land Surveyor certifying compliance with the Order of Conditions and approved plan, as well as explaining any deviations from the approved plan
  - Electronic copy of all materials listed above, emailed to <u>conservation@fairhaven-ma.gov</u>
    - Check, made payable to the Town of Fairhaven, in the amount of:
      - \$75.00, If a residential project
      - $\Box$  \$200.00, if a commercial project or subdivision

Please Note: The Conservation Agent or a member of the Conservation Commission must schedule a site inspection with the applicant or applicant's representative prior to the meeting to ensure existing conditions are in compliance with the Order and approved/as-built plan.



Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands WPA Form 8A – Request for Certificate of Compliance Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

SE 23-1245 Provided by DEP

## A. Project Information

out 1. This request is being made by:

Richard J. Rheaume/Prime Engineering, Inc.

	Mailing Address Lakeville	MA	02347		
	City/Town (508) 947-0050	State	Zip Code		
	Phone Number				
,	This request is in reference to work r	agulated by a final Order of Conditions issue	ad \$0.		
	I his request is in reference to work regulated by a final Order of Conditions issued to:				
	JOHIT Kallsz				
	Applicant March 6 2017	SE 23-124	5		
	Dated	DEP File Number			
	Dates -	DELTRENUMBER			
<b>)</b> .	The project site is located at:				
	Huttleston Avenue	Fairhaven			
	Street Address	City/Town			
	31	115A & 11	7C		
	Assessors Map/Plat Number	Parcel/Lot Number			
ŀ.	The final Order of Conditions was recorded at the Registry of Deeds for				
	Same	5,			
	Property Owner (if different)				
	Bristol	12756	60		
	County	Book	Page		
	Certificate (if registered land)				
	This request is for certification that (c	heck one).			
•					
	the work regulated by the above-referenced Order of Conditions has been satisfactorily completed				
	1 the tollowing portions of the work regulated by the above-referenced Order of Conditions have				
	Deen sausiacioniy completed (us	e additional paper il necessary).			

about to lapse.

the above-referenced Order of Conditions has lapsed and is therefore no longer valid, and the work regulated by it was never started.

Important: When filling out forms on the computer, use only the tab key to move your cursor do not use the return key.



Upon completi of the work authorized in an Order of Conditions, the property owner must request a Certificate of Compliance from the issuin authority statin that the work o portion of the work has been satisfactorily completed.



Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands WPA Form 8A – Request for Certificate of Compliance Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

SE 23-1245 Provided by DEP

## A. Project Information (cont.)

- 6. Did the Order of Conditions for this project, or the portion of the project subject to this request, contain an approval of any plans stamped by a registered professional engineer, architect, landscape architect, or land surveyor?
  - Yes If yes, attach a written statement by such a professional certifying substantial compliance with the plans and describing what deviation, if any, exists from the plans approved in the Order.

🗌 No

### **B. Submittal Requirements**

Requests for Certificates of Compliance should be directed to the issuing authority that issued the final Order of Conditions (OOC). If the project received an OOC from the Conservation Commission, submit this request to that Commission. If the project was issued a Superseding Order of Conditions or was the subject of an Adjudicatory Hearing Final Decision, submit this request to the appropriate DEP Regional Office (see <a href="http://www.mass.gov/eea/agencies/massdep/about/contacts/find-the-massdep-regional-office-for-your-city-or-town.html">http://www.mass.gov/eea/agencies/massdep/about/contacts/find-the-massdep-regional-office-for-your-city-or-town.html</a>).



SITEC, Inc. 449 Faunce Corner Road Dartmouth, MA 02747 Tel. (508) 998-2125 FAX (508) 998-7554 Unit C 769 Plain Street Marshfield, MA 02050 Tel. (781) 319-0100 FAX (781) 834-4783

#### **MEMORANDUM**

- TO: CONSERVATION COMMISSION TOWN OF FAIRHAVEN
- FROM: STEVEN D. GIOIOSA, P.E.

DATE: MARCH 4, 2020

SUBJECT: DEP FILE #SE023-1273 LEE & ELIZETT MIGUEL

We are in receipt of the Commission's letter dated February 12, 2020. The letter outlines the Commission's decision to require "...the area that was the subject of the request for amendment be restored to previous conditions".

Attached please find two photographs for your consideration. The first photograph was taken after placement of the sod on the south side of the silt fence. As you will note, the area on the north side of the silt fence did not have sod when this picture was taken. You can see that the area in question was a grassed surface with the exception of the exposed soil area in the foreground.

The second photograph depicts the site conditions after placement of the sod (November 20, 2019). You can see by the position of the dead tree in both photographs that the applicant did not expand the lawn to the north past the previous limit of grass.

As we discussed, the crushed stone surrounding the drainage manhole was placed by the contractor who completed the marsh restoration project and was not placed by the Applicant.

At this time we respectfully request an appointment with the Commissioner to discuss your request for restoration. We are available to attend the March 9<sup>th</sup> meeting if you have time for a brief discussion.

Thank you in advance for your consideration of this request.

cc: Lee & Elizett Miguel

Attachment: Photographs







Whitney McClees <wmcclees@fairhaven-ma.gov>

#### 86 - 88 Middle Street- Fairhaven

scarvalho farlandcorp.com <scarvalho@farlandcorp.com> To: Whitney McClees <wmcclees@fairhaven-ma.gov> Cc: "info@a1crane.com" <info@a1crane.com> Fri, Feb 28, 2020 at 11:37 AM

Whitney,

As you are aware we are working on the Notice of Intent filing for the above referenced address. Unfortunately we will not be able to submit by the March 1<sup>st</sup> deadline and respectfully request a 30 day extension. However, the applicant was hoping it would be possible to have a further discussion with the Commission at the March 9, 2020 hearing. Would this be possible?

Please do not hesitate to contact me with any further questions regarding this matter.

Sincerely,

Stevie Carvalho, E.I.T.

Senior Project Manager



ENGINEERING A BETTER TOMORROW

ENGINEERING | SITE WORK | LAND SURVEYING

(MAIN OFFICE) 401 COUNTY STREET, NEW BEDFORD, MA 02740 P 508.717.3479 F 508.717.3481 WWW.FARLANDCORP.COM

ADDITIONAL OFFICES IN: TAUNTON • MARLBOROUGH • WARWICK, RI









![](_page_12_Figure_1.jpeg)

PUMP SYSTEM NOTES AND S	PECIFICATIONS
-------------------------	---------------

100 120

1. PUMP DESIGN INFORMATION PUMP: BARNES STEP1022SS, SINGLE PHASE, 1.0 HP 5.25" IMPELLER, 2 INCH DISCHARGER. GRINDER PUMP STATIC HEAD: 9.8' DYNAMIC HEAD: 9.0' TOTAL DYNAMIC HEAD: 18.8' PROPOSED DISCHARGE RATE: 82 GPM± T.D.H. :18.8' PUMP WILL HANDLE 1  $\frac{1}{2}$ " SOLIDS FLOW VELOCITY: 16 F.P.S. ± FLOAT CONTROL ELEVATIONS OVERRIDE SWITCH: BOTH PUMPS ON: 2.68 ALARM ON: 3.18 LEAD PUMP ON: .66 BOTH PUMPS OFF: -.76 2. PUMP SHALL DELIVER MINIMUM OF 42 GPM AT 18.8 FEET T.D.H. 3. PUMP CHAMBER PROVIDES FOR JUST OVER 1 DAY OF DESIGN FLOW. 4. PUMPS SHALL BE INSTALLED ON STAINLESS STEEL SLIDE RAIL SYSTEM WITH QUICK DISCONNECT FEATURE. 5. PUMP CONTROL SHALL BE PRESSURE ACTIVATED LINEAR CONTROL SWITCH ATTACHED DIRECTLY UNDER ACCESS HATCH. 6. PUMP SYSTEM SHALL BE INSTALLED AND TESTED WITH WATER PRIOR TO FINAL APPROVAL OR DISCHARGE OF SANITARY WASTE. 7. PUMP ALARM SYSTEM SHALL BE ON A SEPARATE CIRCUIT, ISOLATED FROM PUMP ELECTRICAL SYSTEM. 8. EACH CYCLE PUMPS  $\pm$  350 GALLONS WASTE WATER TOTAL RUN PER CYCLE =  $\pm$  4.5 MINUTES CYCLES PER DAY =  $1.0\pm$ 9. ALL ELECTRICAL COMPONENTS SHALL BE HARD-WIRED TO PANELS. NO JUNCTION BOXES SHALL BE USED. 10. NUMBER OF DOSING CYCLES PER DAY =  $1.0\pm$ 11. THE ALARM PANEL SHALL BE INSTALLED IN THE GARAGE OR SIMILAR LOCATION. 12. THE DESIGN POINT IS 82 GPM± FOR A TOTAL DYNAMIC HEAD OF 18.8'. SPINK PROJECT: DESIGN 59 CLAY STREET SEPTIC SYSTEM DESIGN PLAN MIDDLEBORO, MASSACHUSETTS 02346-1052 774-766-0544 jspink1@gmail.com

![](_page_12_Figure_4.jpeg)

- 2. CONSTRUCTION OF PUMP CHAMBER CONFORMS WITH DEP TITLE 5 REGS, 310 CMR, SECTION 15.226.
- 3. ALL REINFORCEMENT PER ASTM C1227.
- 4. JOINT SEALED WITH BUTYL RESIN.
- 5. DESIGNED FOR H-20 LOADING.

Vin

JOHN

CULVER SPINK NO. 30097

- 6. PUMPS, FLOATS AND PIPE INSTALLED IN CHAMBER. FLOAT ELEVATIONS SET UPON REQUEST.
- 7. SUPPLIED WITH PUMP CONTROL PANEL W/ALARM.
- 8. LAG & ALARM FLOATS CAN BE SWAPPED OR COMBINED INTO ONE FLOAT.

![](_page_12_Picture_12.jpeg)

 FILTER CLOTH SHALL BE FASTENED SECURELY TO POSTS WITH WIRE TIES OR STAPLES AND POSTS SHALL BE PLACED EVERY 10 FEET.
 WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6 INCHES AND FOLDED.
 ENTRENCH SILT FENCE AT LEAST 6 INCHES.

4. INSPECTIONS SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED, OR WHEN SEDIMENT ACCUMULATES TO HALF THE HEIGHT OF FENCING.

EROSION CONTROL SILT FENCE DETAIL N.T.S.

LAWTON, IRT 7 SHAWMUT ST. FAIRHAVEN, MASSACHUSETTS 02719

PREPARED FOR:

HOUSE #3

![](_page_12_Figure_18.jpeg)

1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.

- 2. CONSTRUCTION OF PUMP CHAMBER CONFORMS WITH DEP TITLE 5 REGS, 310 CMR, SECTION 15.226.
- 3. ALL REINFORCEMENT PER ASTM C1227.
- 4. JOINT SEALED WITH BUTYL RESIN.
- 5. DESIGNED FOR H-20 LOADING.
- 6. PUMPS, FLOATS AND PIPE INSTALLED IN CHAMBER. FLOAT ELEVATIONS SET UPON REQUEST.
- 7. SUPPLIED WITH PUMP CONTROL PANEL W/ALARM.
- 8. LAG & ALARM FLOATS CAN BE SWAPPED OR COMBINED INTO ONE FLOAT.

SEPTIC SYSTEM DESIGN PLAN							
CLIENT:	CLIENT: LOCATION:						
LAWTON, IRT				7 SHAWMUT ST. FAIRHAVEN, MA. 02719			
DATE: FEBRUARY 10, 2020 SCALE:			NTS	DESIGNED I	BY: TCR		
DRAWING NO.: 2 OF 2 JOB NO:				CHECKED E	BY: JCS		
# DATE REVISION [			ESCRIPTION		TCR	JCS	
Ę.							

![](_page_13_Picture_0.jpeg)

![](_page_13_Picture_1.jpeg)

## **Request for Determination of Applicability**

Fort Phoenix State Reservation Fairhaven, MA

Pavement Repairs and Maintenance Narrative and Plans

February 18, 2020

## **Table of Contents**

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![](_page_15_Picture_0.jpeg)

City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

## A. General Information

Important: When filling out	1.	Applicant:		
forms on the		Jeffrey Parenti, Deputy Chief Engineer, DCR	jeffrey.parenti@mass.gov	
computer, use		Name	E-Mail Address	
to move your		251 Causeway Street		
cursor - do not		Mailing Address		
use the return		Boston	MA	02114
key.		City/Town	State	Zip Code
		617-626-1250		
100		Phone Number	Fax Number (if applicable)	
return	2.	Representative (if any): MA Dept. of Conservation & Recreation (DCR) Firm		
		Stefanie Farrington	stefanie.farrington	@mass.gov
		Contact Name	E-Mail Address	
		251 Causeway Street, Ste. 600 Mailing Address		
		Boston	MA	02114
		City/Town	State	Zip Code
		617-626-1367		
		Phone Number	Fax Number (if applica	ble)

## B. Determinations

- 1. I request the Fairhaven make the following determination(s). Check any that apply: Conservation Commission
  - a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
  - b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
  - C. whether the work depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
  - d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any municipal wetlands ordinance or bylaw of:

Fai	naven
Nam	of Municipality

e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).

![](_page_16_Picture_0.jpeg)

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act.M.G.L. c. 131, §40

## **C. Project Description**

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

1 Old Fort Road/			
Fort Phoenix State Reservation courts	City/Town		
1 Appageore Man/Plat Number	U1-002 Parcel/l of Number		
Assessuis wapin lat municer			
b. Area Description (use additional paper, if no	ecessary):		
Please see attached.			
c. Plan and/or Map Reference(s):			
Pavement Repairs and Maintenance	2/13/20		
Narrative and Plans	Date		
	Dob		
Title	Date		
Title	Date		
Title Title A Work Description (use additional paper and	Date Date		
Title Title a. Work Description (use additional paper and	Date Date I/or provide plan(s) of work, if necessary):		
Title Title a. Work Description (use additional paper and Please see attached.	Date Date I/or provide plan(s) of work, if necessary):		
Title Title a. Work Description (use additional paper and Please see attached.	Date Date I/or provide plan(s) of work, if necessary):		
Title Title a. Work Description (use additional paper and Please see attached.	Date Date I/or provide plan(s) of work, if necessary):		
Title Title a. Work Description (use additional paper and Please see attached.	Date Date I/or provide plan(s) of work, if necessary):		
Title Title a. Work Description (use additional paper and Please see attached.	Date Date I/or provide plan(s) of work, if necessary):		
Title Title a. Work Description (use additional paper and Please see attached.	Date Date I/or provide plan(s) of work, if necessary):		
Title Title a. Work Description (use additional paper and Please see attached.	Date Date I/or provide plan(s) of work, if necessary):		
Title Title a. Work Description (use additional paper and Please see attached.	Date Date I/or provide plan(s) of work, if necessary):		
Title Title a. Work Description (use additional paper and Please see attached.	Date Date I/or provide plan(s) of work, if necessary):		
Title Title a. Work Description (use additional paper and Please see attached.	Date Date I/or provide plan(s) of work, if necessary):		
Title Title a. Work Description (use additional paper and Please see attached.	Date Date I/or provide plan(s) of work, if necessary):		
Title Title a. Work Description (use additional paper and Please see attached.	Date Date I/or provide plan(s) of work, if necessary):		

![](_page_17_Picture_0.jpeg)

## **WPA Form 1-** Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

## C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

Please see attached.

- 3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.
  - Single family house on a lot recorded on or before 8/1/96
  - Single family house on a lot recorded after 8/1/96
  - Expansion of an existing structure on a lot recorded after 8/1/96
  - Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96
  - New agriculture or aquaculture project
  - Public project where funds were appropriated prior to 8/7/96
  - Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
  - Residential subdivision; institutional, industrial, or commercial project
  - Municipal project

.....

District, county, state, or federal government project

Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)

\_\_\_\_\_

![](_page_18_Picture_0.jpeg)

Fairhaven City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

## **D. Signatures and Submittal Requirements**

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

Name	
251 Causeway Street, Ste. 600	· · · · · · · · · · · · · · · · · · ·
Mailing Address	
Boston	
City/Town	
MA	02114
State	Zip Code
onatures.	

l also understand in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

A	2 - 12 - 29
Signature of Applicant	Date
5/	02/10/2020

Signature of Representative (if any)

Date

## Project Description

#### Work Description

The Massachusetts Department of Conservation and Recreation (DCR) is proposing to perform in-kind pavement resurfacing of the Fort Phoenix State Reservation courts, Fairhaven, MA. The purpose of this project is to repave areas of deteriorating pavement to support public safety.

#### Site Preparation:

The existing surface of the area to be paved will be milled out using a cold-planing machine with a smaller ride-on grinding machine. This process involves removing approximately 2 inches of paved surface in order to prepare the surface for paving and remove any deficiencies on the pavement itself. Approximately 2 inches will be paved using asphalt to create a paper joint in order to transition from the cold-planed roadway to the existing pavement. Milling and structure debris will be disposed of offsite. Materials will be stored only in a designated area outside of the resource area and/or buffer zone, and will be encircled by erosion controls and covered with tarps as necessary.

Existing drainage structures, including but not limited to drain catch basins, drain manholes, sewer manholes, gas and water gates/boxes, will be re-aligned to meet the finished paving grade. This process may include adjusting the structures to grade and repairing structures to their original strength and stability. This process may include jackhammering around the structure frame to remove it and repair the structure with brick, block and mortar, then replacing and "collaring" the frame with concrete.

#### Paving:

A paving machine is used to place the asphalt on the prepared surface and two hydro-static rollers are used for compaction. Asphalt will be placed at a depth of 2-4" and a final grade consistent with the existing condition. A thermoplastic kettle truck and a "mini mac" (a small vehicle) are used to place thermoplastic lines (road striping).

Туре	Purpose
Cold-planing machine with a smaller ride-on grinding	Milling
machine	
Sweeper	Milling and paving
Bobcat	Milling, paving and structure adjustments
Paving machine	Paving
Hydro-static rollers	Paving
Thermoplastic kettle truck	Thermoplastic line placement
"mini mac"	Thermoplastic line placement

#### Equipment:

Paving vehicles are removed directly after the paving operation. Cold-planing vehicles arrive the day of paving or are stored onsite before construction. The thermoplastic kettle truck and mini mac are driven to and from the construction site. No vehicles will be stored within the resource area or buffer zone, and vehicles will be fueled off-site.

#### Erosion and Sedimentation Controls:

Straw waddles and silt fencing will be placed at the limit of work adjacent to the resource area/buffer zone, or other areas the Conservation Commission deems appropriate, prior to the start of the project. All erosion and sedimentation controls will be removed upon completion of the project.

## Provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the work described

310 CMR 10.02(2)(b): Any activity other than minor activities identified in 310 CMR 10.02(2)(b)2. proposed or undertaken within 100 feet of an area specified in 310 CMR 10.02(1)(a) (hereinafter called the Buffer Zone) which, in the judgment of the issuing authority, will alter an Area Subject to Protection under M.G.L. c. 131, § 40 is subject to regulation under M.G.L. c. 131, § 40 and requires the filing of a Notice of Intent. (See also 310 CMR 10.05(3)(a)2.). The areas subject to jurisdiction identified in 310 CMR 10.02(1)(b) through (f) do not have a buffer zone.

1.Minor activities, as described in 310 CMR 10.02(2)(b)2., within the buffer zone and outside any areas specified in 310 CMR 10.02(1)(a) through (e) are not otherwise subject to regulation under M.G.L. c. 131, § 40 provided that the work is performed: solely within the buffer zone, as prescribed in 310 CMR 10.02(2)(b)2.a. through q., in a manner so as to reduce the potential for any adverse impacts to the resource area during construction, and with post-construction measures implemented to stabilize any disturbed areas. Factors to consider when measuring the potential for adverse impacts to resource areas include the extent of the work, the proximity to the resource area, the need for erosion controls, and the measures employed to prevent adverse impacts to resource areas during and following the work.

2. The following minor activities, provided that they comply with 310 CMR 10.02(2)(b)1., are not otherwise subject to regulation under M.G.L. c. 131, § 40:

p. Pavement repair, resurfacing, and reclamation of existing roadways within the right-of way configuration provided that the roadway and shoulders are not widened, no staging or stockpiling of materials, all disturbed road shoulders are stabilized within 72 hours of completion of the resurfacing or reclamation, and no work on the drainage system is performed, other than adjustments and/or repairs to respective structures within the roadway;

Applicability to the Fort Phoenix State Reservation Project:

No activity will occur within any of the resource areas present at the project locus, except for Land Subject to Coastal Storm Flowage (LSCSF). No work apart from pavement repair and resurfacing will occur, and any material staging and vehicles will be located outside of the resource areas and buffer zone(s). No roadways or shoulders will be widened in the course of these repairs.

#### **Resource Area Description**

Resource areas and associated buffer zones were not delineated in the field. Land Subject to Coastal Storm Flowage is depicted as identified in the 2017 FEMA National Flood Hazard Layer (NFHL) data layer.

#### Land Subject to Coastal Storm Flowage

#### **Definition**

Land Subject to Coastal Storm Flowage means land subject to any inundation caused by coastal storms up to and including that caused by the 100-year storm, surge of record or storm of record, whichever is greater (310 CMR 10.04).

<u>WPA Performance Standards (for Land Subject to Coastal Storm Flowage are not included in the WPA</u> <u>Regulations – accordingly, the performance standards for Bordering Land Subject to Flooding are inserted</u> <u>here (310 CMR 10.57(4)(a)):</u>

1. Compensatory storage shall be provided for all flood storage volume that will be lost as the result of a proposed project within Bordering Land Subject to Flooding, when in the judgment of the issuing authority said loss will cause an increase or will contribute incrementally to an increase in the horizontal extent and level of flood waters during peak flows. Compensatory storage shall mean a volume not previously used for flood storage and shall be incrementally equal to the theoretical volume of flood water at each elevation, up to and including the 100-year flood elevation, which would be displaced by the proposed project. Such compensatory volume shall have an unrestricted hydraulic connection to the same waterway or water body. Further, with respect to waterways, such compensatory volume shall be provided within the same reach of the river, stream or creek.

2. Work within Bordering Land Subject to Flooding, including that work required to provide the abovespecified compensatory storage, shall not restrict flows so as to cause an increase in flood stage or velocity. 3. Work in those portions of bordering land subject to flooding found to be significant to the protection of wildlife habitat shall not impair its capacity to provide important wildlife habitat functions. Except for work which would adversely affect vernal pool habitat, a project or projects on a single lot, for which Notice(s) of Intent is filed on or after November 1, 1987, that (cumulatively) alter(s) up to 10% or 5,000 square feet (whichever is less) of land in this resource area found to be significant to the protection of wildlife habitat, shall not be deemed to impair its capacity to provide important wildlife habitat functions. Additional alterations beyond the above threshold, or altering vernal pool habitat, may be permitted if they will have no adverse effects on wildlife habitat, as determined by procedures contained in 310 CMR 10.60.

#### Applicability to the Fort Phoenix State Reservation Project:

There will be no loss of flood storage volume due to this project, nor will flows be restricted, as all court repairs will occur in-kind. There are no areas significant to the protection of wildlife habitat (NHESP Estimated Habitats of Rare Wildlife) at the project site.

## Figures

Figure 1: Project site and wetland resource areas.

Figure 2: USGS locus map.

![](_page_23_Picture_0.jpeg)

![](_page_23_Figure_1.jpeg)

![](_page_23_Figure_2.jpeg)

![](_page_24_Picture_0.jpeg)

#### U.S. DEPARTMENT OF THE INTERIOR U.S. GEOLOGICAL SURVEY

![](_page_24_Figure_2.jpeg)

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21 Observatory Lane, Pocasset, MA 02559 Tel (508) 563-5349 sabatia@comcast.net

March 4, 2020

Mr. Jay Simmons, Chairman Commissioners Fairhaven Conservation Commission Town Hall 40 Center Street Fairhaven, MA 02719

#### RE: Letter of Findings, Site Assessment, 44 Torrington Road, Fairhaven, Mr. Jack Fournier, Wetland Violation/Enforcement Order, Map 29B, Parcel 246

Dear Mr. Simmons & Commissioners:

On February 18, 2020, Sabatia, Inc. conducted a site assessment with Ms. Whitney McClees (Conservation Agent) and Mr. Peter Therrien, Project Engineer (Field Engineering Co. Inc.) of unpermitted work at 44 Torrington Road. The purpose of the site assessment was to evaluate the extent of the unpermitted work subject to the jurisdiction of MGL Chapter 131, section 40 (The Massachusetts Wetlands Protection Act) and its regulations at 310 CMR 10.00 et seq. and the Town of Fairhaven Wetlands Protection Bylaw (Chapter 192) and to develop a Wetland Restoration Plan (WRP) for the impacted area.

#### 1.0 <u>Wetland Resource Areas</u>:

The site assessment revealed that a bordering vegetated wetland (BVW-310 CMR 10.55)/wooded swamp extends landward and covers a portion of 44 Torrington Road. Seaward and off-site are a mapped freshwater marsh (310 CMR 10.55) which borders a barrier beach (310 CMR 10.29). Only a portion of the wooded swamp was impacted from the unpermitted work. The area is likely also land subject to coastal storm flowage {310 CMR 10.02 (1d)}/coastal flood zone.

#### 2.0 Plan of Record (POR):

The original Plan of Record (POR) entitled "Stonewall Relocation Plan, Lot 246-270 Map 29B, Waybridge Road, Fairhaven, MA prepared for Jack & Lorraine Fournier", dated September 2, 1997, with a scale of 1" = 30', was prepared by N. Douglas Schneider & Associates. This POR depicts a delineated wetland boundary on the parcel wetland flags (WF-1 to WF-7 just below the proposed "relocated stonewall".

The new Plan of Record (nPOR) is titled "*Site Plan, Proposed Wetland Restoration, Jack Fournier, 44 Torrington Road, Fairhaven, Massachusetts*", dated 3/7/2020 and has a scale of 1" = 10'. This plan depicts the 1997 "wetland boundary", WF-1 to WF-7, and the area of the unpermitted work labelled as "area of tree cutting" and calculated to be approximately 1,800 SF. This nPOR was prepared in response to the Enforcement Order (EO 023-010) issued in late 2019 or early 2020. The violation was first notice by the FCC on October 8, 2019. The EO requires submittal of a Wetland Restoration Plan by March 9, 2020.

#### 3.0 Unauthorized Cutting of Trees/Shrubs as addressed in the Enforcement Order:

The site assessment (2-18-2020) revealed that 21 trees had been cut within the "area of tree cutting" as noted on the nPOR prepared by Field Engineering Co. Inc. These trees ranged in the 9"-20" diameter at cut height (near the ground). Most of the cut trees were black gum tupelo (*Nyssa sylvatica*), several red maples (*Acer rubrum*), several white oaks (*Quercus alba*) and 1 red oak (*Quercus rubra*). Understory shrub vegetation was NOT cut. No tree stumps have been "pulled" and thus minimal disturbance to the soil surface has occurred.

This violation did not include the placement of new fill and/or in any excavation of the BVW or buffer zone (1800 SF).

#### 4.0 Wetland Restoration Plan (WRP):

#### 4.1 Tree and shrub replacements:

Based on the guidance on plant spacing in the *Massachusetts Inland Wetland Replication Guidelines*, DEP 2002, an area of 1800 SF could theoretically accommodate 18 tree saplings planted at 10' on center (o.c.) or 8 tree saplings planted at 15' o.c. If the 21 cut tree stumps are left in the ground the actual spacing will be unable to follow the DEP recommendation of 10'-15' o.c. Field Engineering Co. Inc. has depicted on the nPOR proposed locations of tree saplings. The actual placement of the tree saplings will need to be discussed further with the FCC. It is planned to plant 21 tree saplings as noted on the nPOR. The nPOR also depicts the stump locations of the 21 trees that were cut.

It is important for the FCC to realize that the replacement tree species will be saplings & not mature trees. These tree saplings would have a height of 8' to 10'. Mature tree species would not survive the stress of transplantation especially in a coastal setting with the added stress from salt spray.

Although the shrub layer was minimally impacted from the tree cutting, the 1800 SF impact area could accommodate some shrubs @ 8-10' o.c. However, the fact that cut tree stumps will not be removed would limit the actual number of shrubs.

#### 4.2 Suitable Tree Saplings:

Tree saplings should be planted according to the nPOR prepared by Field Engineering Co. Inc. and/or at the discretion of the FCC. Each tree should be no smaller than 8'-10' in height and approximately 3" caliper. It is proposed to plant 7 saplings of each species.

Common Name	Scientific Name	USFWS Wetland Indicator Status	
Red maple	Acer rubrum	FAC	
Black gum tupelo	Nyssa sylvatica	FAC	
Yellow birch	Betula alleghaniensis	FAC	

#### 4.3 Suitable Woody Shrubs:

Woody shrubs should be planted according to the nPOR prepared by Field Engineering Co. Inc. and/or at the discretion of the FCC. Each shrub should be no smaller than 3-4' in height

Common Name	Scientific Name	USFWS Wetland Indicator Status
High bush blueberry	Vaccinium corymbosum	FACW-
Sweet pepperbush	Clethra alnifolia	FAC+
Inkberry	Ilex glabra	FAC+
Bayberry	Myrica pensylvanica	FAC

#### 4.4 Existing Conditions within the 1800 SF Impact Area:

Despite the 1997 wetland delineation identifying the area seaward of the "relocated wall" as wetland (WF-1 to WF-7), some of this area within 20-30' seaward of the wall is not wetland. This is supported by the DEP Wetland Change Map that depicts some of this area landward of the mapped wooded swamp (WS1) as upland and the on-line Soil Map which indicates this area to be underlain by an upland soil (mapped 305B).

During the site assessment (2/18/20), I observed that this upper area 20-30' seaward of the stone wall appeared to be old fill material. As one moves seaward (about 30-40') from the wall the fill tapers to the natural wetland grade. At this point the vegetative community is predominantly wetland with wetland ferns {sensitive fern (*Onoclea sensibilis*) & cinnamon fern (*Osmunda cinnamomea*)} and soft rush (*Juncus effusus*) occupying the ground layer. These are absent from the ground layer in the area 20-30' seaward of the stone wall.

While most of the cut trees were wetland species (black gum tupelo & red maple), the understory (shrubs/vines) in this area (1800 SF altered area) are primarily invasive and non-native species: bittersweet vine (*Celastrus scandens*), multiflora rose (*Rosa multiflora*), Japanese knotweed (*Polygonum cuspidatum*) and common privet (*Ligustrum vulgare*). There are very few wetland shrub species in the area 20-30' seaward of the stone wall. <u>I would highly recommend the removal of most of the invasive species prior to implementation of the Wetland Restoration Plan (WRP) and a backhoe would be recommended.</u>

The tree stumps should remain to lessen soil disturbance and to allow production of manageable stump sprouts, which can be managed during the monitoring period by selecting 1-2 "terminal buds" per stump and pruning out the rest. This would likely ensure that most of the 21 tree species that were cut will regenerate functioning healthy saplings and eventually trees.

Prior to removing the invasive species, all cut trees, branches and other brush/slash should be removed from the altered area (1800 SF). The use of heavy equipment in the filled area will not further destroy or disturb the wetland but would facilitate cut tree/branch removal and allow this project to move forward faster.

The removal of the cut trees/brush should occur in March or very early April 2020. Once the invasive species are removed, the planting of saplings & shrubs can occur.

I would highly recommend that this be done prior to May 31, 2020 (not June 30, 2020). A late June planting is not recommended as the July-August period can be brutally hot and dry. Heat stress is one of the greatest causes of transplanted plant death. One other recommendation is that the WRA will need to be frequently watered during the summer of 2020. The FCC might wish to require some type of sprinkler system be installed just seaward of the wall to permit timed watering.

#### 4.5 Monitoring and Compliance:

The Wetland Restoration Plan (WRP) will need to comply with 310 CMR 10.55 (4)(b) (1-6) which necessitates monitoring over at least a two-year period to achieve at least a 75% surface replacement within two growing seasons. Assuming the WRP is implemented on or before June 30, 2020 it shall be monitored through June 20, 2022 prior to requesting the FCC to rule on compliance.

Monitoring should include written correspondence to the FCC indicating the progress of the WRP. This should be done twice per year, late spring & late fall. Invasive species should be pruned to the ground during each monitoring visit. Pictures should be submitted with the written documentation.

4.6 Wetland Restoration Area Monitoring Implementation S	and Restoration Area Monitoring Implementation Schedule:
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March 2020	Submit the initial Wetland Restoration Plan (WRP) to the Fairhaven Conservation Commission (FCC) for its review on March 9, 2020. Attend the FCC public meeting on March 23, 2020 to present the WRP and to answer questions from commissioners/public.
April 2020	All cut trees/brush/slash to be removed from the altered 1800 SF area followed by the removal of the invasive species. Area to be inspected by the wetland scientist. FCC and/or its Conservation Agent inspects the area prior to implementation of the planting plan.
May 2020	The planting within the altered 1800 SF area (WRA) should be completed no later than May 31, 2020, earlier if possible. The planted WRA will be inspected by the wetland scientist & the Conservation Agent after the plantings have been installed.
June 2020	Prior to June 30, 2020 the wetland scientist will conduct a site assessment and provide the FCC with an Email report.
Fall 2020	On or about October 31, 2020, the wetland scientist will conduct a fall assessment. Any plants that have not survived the transplantation process and/or the summer heat stress will need to be replaced at this time. A Letter of Findings with pictures will be submitted to the FCC.
Spring 2021	Wetland scientist conducts the 2021 spring assessment on or about April 30, 2021. Plants that have not survived must be replanted at this time. A Letter of Findings with pictures will be submitted to the FCC. <i>This will represent year one of the monitoring</i> .
Fall 2021	Wetland scientist conducts the 2021 fall assessment on or about October 31, 2020. Plants that have not survived must be replanted at this time. A Letter of Findings with pictures will be submitted to the FCC.

Spring 2022	Wetland scientist conducts the 2022 spring assessment on or about April
	30, 2022. Plants that have not survived must be replanted at this time. A
	Letter of Findings with pictures will be submitted to the FCC. <i>This will</i>
	represent year two of the monitoring. At this time, the property owner will
	request the FCC to determine if compliance with 310 CMR 10.55 (4)(b) (1,
	2 & 6) have been complied with. It FCC concurs then the monitoring will
	be terminated.

#### 5.0 Final Comments:

Mr. and Mrs. Fournier pledge to work with the FCC to remediate the problems identified in the Enforcement Order (EO). They intend to comply fully with the EO. Please consider this a fluid "working document" for discussion at the FCC meeting of March 9, 2020.

I am available to conduct an on-site with members of the Commission and/or you. Please feel free to contact me at 1-508-563-5349 or by email at <u>sabatia@comcast.net</u>.

Sincerely yours, Robert M. Gray, PWS, RS, SE Professional Wetland Scientist, #160 Registered Sanitarian (RT), #669 DEP Certified Soil Evaluator (RT), #936

![](_page_30_Picture_5.jpeg)

![](_page_31_Figure_0.jpeg)