

Bay Colony Group, Inc.  
Professional Civil Engineers & Land Surveyors

4 School Street, PO Box 9136  
Foxborough, Massachusetts 02035  
Telephone (508) 543-3939 • Fax (508) 543-8866  
E-mail: [mailbox@baycolonygroup.com](mailto:mailbox@baycolonygroup.com)

*Abbreviated Notice of  
Resource Area Delineation*

*#119 Morse Street  
Foxborough, MA*

*December, 2021*

*Prepared for:*

119 Morse Street Realty Trust  
95 Washington Street  
Foxborough, MA 02035

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Foxborough, Massachusetts 02035  
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December 21, 2021

Robert W. Boette, Chairman  
Foxborough Conservation Commission  
40 South Street  
Foxborough, MA 02035

**RE: #119 MORSE STREET ANRAD**

Dear Mr. Boette:

On behalf of our client, 119 Morse Street Realty Trust, and in accordance with MGL Ch.131, Section 40 – Massachusetts Wetlands Protection Act, we are submitting herewith an Abbreviated Notice of Resource Area Delineation for property at 119 Morse Street. Enclosed please find a WPA Form 4A – ABBREVIATED NOTICE OF RESOURCE AREA DELINEATION, a resource area delineation report by Pare Corp, and a map depicting the resource areas

This property was previously reviewed by the Commission under an ORAD issued on January 7, 2008 under DEP File No. 157-464. A detailed discussion of the methods used to delineate the areas are included in this report. The field work was done by PARE Corporation and the wetland flags were located and plotted on a base topographic map by Bay Colony Group, Inc.

Thank you for your cooperation and we look forward to working with the Commission on this project.

Very truly yours,

**BAY COLONY GROUP, INC.**



William R. Buckley, Jr., P.E.  
Project Manager

Encl.

## **List of Documents**

Previous Page – Letter to Conservation Commission

WPA Form 4A – Abbreviated Notice of Resource Area Delineation

NOI Wetlands Fee Transmittal Form

Form of Notification to Abutters

List of Abutters

Appendix A: Pare Corporation Report of Resource Area Delineation dated  
December 16, 2021

Wetland Location Plan of #119 Morse Street Foxborough, MA  
dated December 16, 2021



**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands  
**WPA Form 4A – Abbreviated Notice of**  
**Resource Area Delineation**  
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Foxborough  
City/Town

**A. General Information**

1. Project Location (**Note:** electronic filers will click on button for GIS locator):

119 Morse Street	Foxborough	02035
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:	42°-02'-49.8"N	71°-12'-47.1"W
137	d. Latitude	e. Longitude
f. Assessors Map/Plat Number	024	
	g. Parcel /Lot Number	

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



2. Applicant:

Michael	Saegh	
a. First Name	b. Last Name	
119 Morse Street Realty Trust		
c. Organization		
95 Washington Street		
d. Mailing Address		
Foxborough	MA	02035
e. City/Town	f. State	g. Zip Code
508.698.4995	msaegh@foxstarcorp.net	
h. Phone Number	j. Email Address	
	i. Fax Number	

3. Property owner (if different from applicant):

Check if more than one owner (attach additional sheet with names and contact information)

a. First Name	b. Last Name	
c. Organization		
d. Mailing Address		
e. City/Town	f. State	g. Zip Code
h. Phone Number	j. Email Address	
	i. Fax Number	

**Note:** Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

4. Representative (if any):

William	Buckley Jr	
a. Contact Person First Name	b. Contact Person Last Name	
Bay Colony Group, Inc.		
c. Organization		
4 School Street		
d. Mailing Address		
Foxborough	MA	02035
e. City/Town	f. State	g. Zip Code
508.543.3939	billbuckley@baycolonygroup.com	
h. Phone Number	j. Email Address	
	i. Fax Number	

5. Total WPA Fee Paid (from attached ANRAD Wetland Fee Transmittal Form):

\$2,000	\$987.50	\$1,012.50
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid

Fees will be calculated for online users.



**Massachusetts Department of Environmental Protection**  
Bureau of Resource Protection - Wetlands

**WPA Form 4A – Abbreviated Notice of  
Resource Area Delineation**

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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Foxborough  
City/Town

**B. Area(s) Delineated**

1. Bordering Vegetated Wetland (BVW) 1,880  
Linear Feet of Boundary Delineated
2. Check all methods used to delineate the Bordering Vegetated Wetland (BVW) boundary:
  - a.  MassDEP BVW Field Data Form (attached)
  - b.  Other Methods for Determining the BVW boundary (attach documentation):
    1.  50% or more wetland indicator plants
    2.  Saturated/inundated conditions exist
    3.  Groundwater indicators
    4.  Direct observation
    5.  Hydric soil indicators
    6.  Credible evidence of conditions prior to disturbance
3. Indicate any other resource area boundaries that are delineated:
 

River	93
a. Resource Area	b. Linear Feet Delineated
ILSF	825
c. Resource Area	d. Linear Feet Delineated

**C. Additional Information**

Applicants must include the following plans with this Abbreviated Notice of Resource Area Delineation. See instructions for details. **Online Users:** Attach the Document Transaction Number (provided on your receipt page) for any of the following information you submit to the Department.

1.  ANRAD (Delineation Plans only)
2.  USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
3.  Plans identifying the boundaries of the Bordering Vegetated Wetlands (BVW) (and/or other resource areas, if applicable).
4.  List the titles and final revision dates for all plans and other materials submitted with this Abbreviated Notice of Resource Area Delineation.

**D. Fees**



**Massachusetts Department of Environmental Protection**  
Bureau of Resource Protection - Wetlands

**WPA Form 4A – Abbreviated Notice of  
Resource Area Delineation**

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

Provided by MassDEP:

\_\_\_\_\_  
MassDEP File Number

\_\_\_\_\_  
Document Transaction Number

\_\_\_\_\_  
Foxborough  
City/Town

The fees for work proposed under each Abbreviated Notice of Resource Area Delineation must be calculated and submitted to the Conservation Commission and the Department (see Instructions and Wetland Fee Transmittal Form).

1.  Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to the attached Wetland Fee Transmittal Form) to confirm fee payment:

2222

2. Municipal Check Number

2221

4. State Check Number

119 Morse Street Realty Trust

6. Payor name on check: First Name

12.20.21

3. Check date

12.20.21

5. Check date

7. Payor name on check: Last Name

## E. Signatures

I certify under the penalties of perjury that the foregoing Abbreviated Notice of Resource Area Delineation and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I



**Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands**

**WPA Form 4A – Abbreviated Notice of  
Resource Area Delineation**

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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Foxborough  
City/Town

understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

I hereby grant permission, to the Agent or member of the Conservation Commission and the Department of Environmental Protection, to enter and inspect the area subject to this Notice at reasonable hours to evaluate the wetland resource boundaries subject to this Notice, and to require the submittal of any data deemed necessary by the Conservation Commission or Department for that evaluation.

I acknowledge that failure to comply with these certification requirements is grounds for the Conservation Commission or the Department to take enforcement action.

*M. Page, Jr.*  
1. Signature of Applicant

*12-20-21*  
2. Date

3. Signature of Property Owner (if different)

*[Signature]*  
5. Signature of Representative (if any)

4. Date

*15 Dec. 2021*  
6. Date

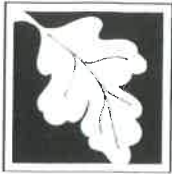
**For Conservation Commission:**

Two copies of the completed Abbreviated Notice of Resource Area Delineation (Form 4A), including supporting plans and documents; two copies of the ANRAD Wetland Fee Transmittal Form; and the city/town fee payment must be sent to the Conservation Commission by certified mail or hand delivery.

**For MassDEP:**

One copy of the completed Abbreviated Notice of Resource Area Delineation (Form 4A), including supporting plans and documents; one copy of the ANRAD Wetland Fee Transmittal Form; and a copy of the state fee payment must be sent to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery. (E-filers may submit these electronically.)

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands  
**ANRAD Wetland Fee Transmittal Form**  
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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



**A. Applicant Information**

1. Location of Project:

119 Morse Street  
 a. Street Address Foxborough  
 b. City/Town  
 \$987.50  
 c. Fee amount 2221  
 d. Check number

2. Applicant:

Michael Saegh 119 Morse Street Realty Trust  
 a. First Name b. Last Name c. Company  
 95 Washington Street  
 d. Mailing Address  
 Foxborough MA 02035  
 e. City/Town f. State g. Zip Code  
 508.698.4995  
 h. Phone Number

3. Property Owner (if different):

a. First Name b. Last Name c. Company  
 d. Mailing Address  
 e. City/Town f. State g. Zip Code  
 h. Phone Number

**B. Fees**

The fee is calculated as follows for each Resource Area Delineation included in the ANRAD (check applicable project type). The maximum fee for each ANRAD, regardless of the number of Resource Area Delineations, is \$200 activities associated with a single-family house and \$2,000 for any other activity.

Bordering Vegetated Wetland Delineation Fee:

1. <input type="checkbox"/> single family house project	a. feet of BVW	x \$2.00 =	b. Fee for BVW
2. <input checked="" type="checkbox"/> all other projects	1,880	x \$2.00 =	\$3,760
	a. feet of BVW		b. Fee for BVW

Other Resource Area (e.g., bank, riverfront area, etc.):

3. <input type="checkbox"/> single family house project	a. linear feet	x \$2.00 =	b. Fee
4. <input checked="" type="checkbox"/> all other projects	918	x \$2.00 =	\$1,836
	a. linear feet		b. Fee

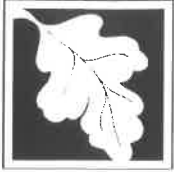
Total Fee for all Resource Areas: \$2,000  
 Fee

State share of filing fee: \$987.50  
 5. 1/2 of total fee less \$12.50

City/Town share of filing fee: \$1,012.50  
 6. 1/2 of total fee plus \$12.50

**Online users:** check box if fee exempt.





**Massachusetts Department of Environmental Protection**  
Bureau of Resource Protection - Wetlands  
**ANRAD Wetland Fee Transmittal Form**  
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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**C. Submittal Requirements**

- a.) Send a copy of this form, with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts, to:

Department of Environmental Protection  
Box 4062  
Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Abbreviated Notice of Resource Area Delineation; a **copy** of this form; and the city/town fee payment.
- c.) **To DEP Regional Office:** Send one copy of the Abbreviated Notice of Resource Area Delineation (and any additional documentation required as part of a Simplified Review Buffer Zone Project); a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

119 MORSE STREET REALTY TRUST

124 WASHINGTON ST  
FOXBORO, MA 02035-1368

2221

53-447/113  
472

DATE 12-20-21

CHECK AMOUNT  
TRADE PRACTICE

PAY TO THE ORDER OF

Comm. of MASS

\$ 987<sup>50</sup>

Nine hundred and eighty-seven

50/100 DOLLARS

ROCKLAND TRUST

Photo Safe Deposit Details on back

FOR

M Singh, Trustee

002221

119 MORSE STREET REALTY TRUST

124 WASHINGTON ST  
FOXBORO, MA 02035-1368

2222

53-447/113  
472

DATE 12-20-21

CHECK AMOUNT  
TRADE PRACTICE

PAY TO THE ORDER OF

Town of Foxboro

\$ 1012<sup>50</sup>

One thousand and twelve

50/100 DOLLARS

ROCKLAND TRUST

Photo Safe Deposit Details on back

FOR

M Singh, Trustee

002221

## NOTIFICATION TO ABUTTERS

### Under the Massachusetts Wetlands Protection Act

*(This form must be completed and mailed, certified mail return receipt requested,  
to all abutters within 100 feet of the proposed project's activity.)*

In accordance with the second paragraph of Massachusetts Wetlands Protection Act (G.L. Ch. 131, §40), and §10.05 of 310 CMR 10.00, you are hereby notified of a public hearing on the matter described below:

- A. The applicant has filed an Abbreviated Notice of Resource Area Delineation with the Foxborough Conservation Commission for the delineation of areas subject to protection under the Wetlands Protection Act.
- B. The name of the applicant is 119 Morse Street Realty Trust
- C. The address of the land where the activity is proposed is 119 Morse Street, Foxborough.
- D. Copies of the Abbreviated Notice of Resource Area Delineation may be examined at the Conservation Commission's office, 40 South Street, Foxborough Town Hall, between 9 am and 4 pm, Monday through Thursday.
- E. Copies of the Abbreviated Notice of Resource Area Delineation may be obtained from either (*check one*) the  applicant or the  applicant's representative Bay Colony Group, Inc. by calling 508.543.3939 from [*times*] 8:00 – 5:00 on [*days*] Monday through Friday.
- F. Information regarding the date, time and place of the public hearing may be obtained from either (*check one*) the  applicant or the  applicant's representative Bay Colony Group, Inc. by calling 508.543.3939 from [*times*] 8:00 – 5:00 on [*day*] Monday through Friday.

Please Note: Notice of the public hearing, including date, time and place, will be published at least five business days in advance in The Foxboro Reporter and will be posted in the Town Hall and on the Town's website at least 48 hours in advance.

Conservation Commission meeting agendas may be viewed online at:  
[http://www.foxboroughma.gov/Pages/FoxboroughMA\\_ConsAgendas/](http://www.foxboroughma.gov/Pages/FoxboroughMA_ConsAgendas/)

For additional information about this application or the Wetland Protection Code of Foxborough, please contact the Foxborough Conservation Commission at 508-543-1251 or visit: [www.foxboroughma.gov/conservation](http://www.foxboroughma.gov/conservation)

For more information about this application or the Wetlands Protection Act, please contact the Department of Environmental Protection (DEP) Southeast Regional Office (Lakeville) at 508-946-2836.

Abutting Properties for  
119 MORSE STREET FOXBOROUGH, MA  
137/ / 024/000 000/000  
(100 Feet)

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Location:  
137/ / 022/000 000/000  
MORSE STREET  
Owner:  
TOWN OF FOXBOROUGH  
40 SOUTH ST  
FOXBORO, MA 02035-0000

Location:  
136/ / 013/000 000/000  
SPRING STREET  
Owner:  
TOWN OF FOXBOROUGH  
CONSERVATION  
40 SOUTH STREET  
FOXBOROUGH, MA 02035-0000

Location:  
137/ / 025/000 000/000  
109 MORSE STREET  
Owner:  
VANDENBOOM KARL & KATHY  
109 MORSE STREET  
FOXBOROUGH, MA 02035-0000

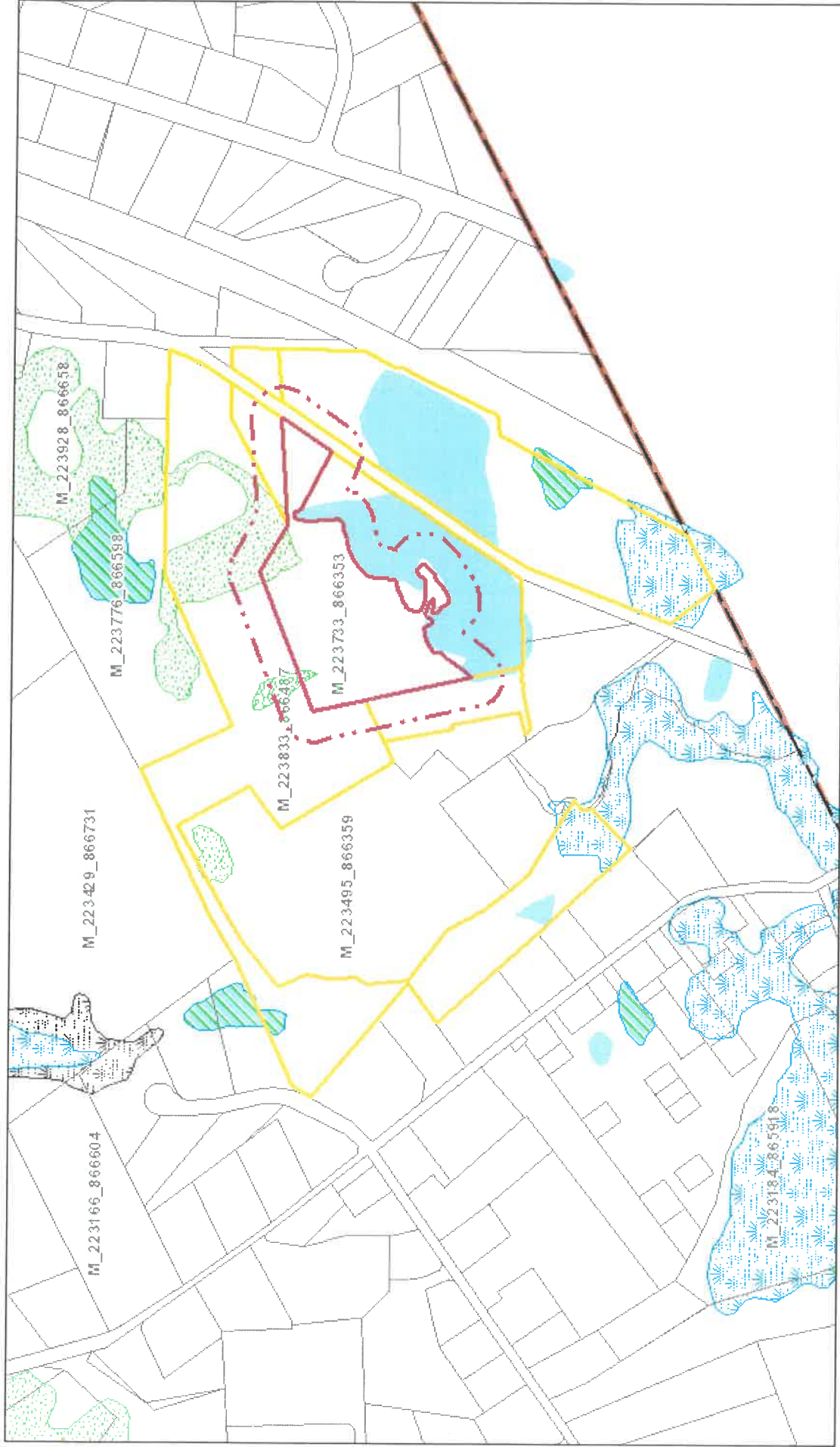
Location:  
137/ / 023/000 000/000  
MORSE STREET  
Owner:  
TOWN OF FOXBOROUGH  
40 SOUTH STREET  
FOXBOROUGH, MA 02035-0000

Location:  
137/ / 021/000 000/000  
MORSE STREET  
Owner:  
MBTA  
10 PARK PLAZA  
STE 3910  
BOSTON, MA 02116

Location:  
888/ / 035/000 000/000  
130 MORSE STREET  
Owner:  
HAYES RICHARD TR  
PO BOX 93  
FOXBOROUGH, MA 02035

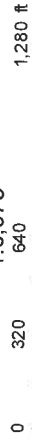
Location:  
149/ / 008/000 000/000  
131 MORSE STREET  
Owner:  
FRANCES THIBAUT TR  
C/O MICHAEL A PODOLSKI  
601 HIGH STREET SUITE 202  
DEDHAM, MA 02026

# 119 Morse Street



December 16, 2021

1:6,973



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatasysteem, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

Data and scale shown on this map are provided for planning and informational purposes only. Foxborough, MA and Vision Government Solutions are not responsible for any use for other purposes or misuse or misrepresentation of this information. Powered by Esri Technology

**Appendix A:**  
Pare Corp Report of Resource Area Delineation

December 16, 2021

Mr. William Buckley, PE  
Bay Colony Group, Inc.  
4 School Street  
Foxborough, MA 02035

**Re: Wetland Delineation**  
**119 Morse Street**  
**Foxborough, MA**  
Pare Project No. 18170.29

Dear Mr. Buckley,

Pare Corporation (Pare) delineated the wetland resources on or affecting a parcel of land located at 119 Morse Street in Foxborough (the site). The site consists of an approximately 6.2-acre parcel designated as Lot 024 on Foxborough Assessor's Map 137. The site is located directly northwest of Morse Street at a location approximately 2,600 feet north of the intersection of Morse Street and Belcher Road. The property formerly supported a nursery and landscaping business and is developed with a house, garages, barn, and a bituminous driveway. The front (eastern) portion of the site contains maintained upland areas including regularly mowed lawn areas along the driveway and surrounding the house.

Wetlands areas identified on or in close proximity to the property included a pond (Glue Factory Pond, a.k.a., Bleachery Pond) located to the south and east of the site (flag series A-1 through A-48), a perennial river (the Rumford River) located to the north and emptying into Glue Factory Pond (flag series R-1 through R-3 and R-100 through R-104), Bordering Vegetated Wetlands (BVW) at various locations around the pond and along the river (flag series B-1 through B-31 and flag series C-1 through C-3), and three isolated wet areas located to the west (flag series I-1 through I-22, I-100 through I-106, and D-1 through D-6). Pare's investigation and delineation of wetlands was completed on September 30 and December 9, 2021.

The following sections describe the delineated wetlands, discuss the delineation methodology, and summarize a review of available published mapping for the site. Attached to this report are the following materials: Site Location Map, an Annotated Aerial Photograph, an excerpt from the FEMA Flood Insurance Rate Map for the area, annotated photographs of the site wetlands, and completed BVW Data Forms.

## **METHODOLOGY**

Wetland edges were delineated in accordance with the Massachusetts Wetlands Protection Act Regulations (310 CMR 10.00, referred to as the WPA), and the methodology specified in the publication entitled Delineating Bordering Vegetated Wetlands under the Massachusetts Wetlands Protection Act (Jackson, 1995). The delineation is generally consistent with the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: North Central and Northeast Region, Version 2.0 (U.S. Army Corps of Engineers, January 2012).

▼



Mr. William Buckley

(2)

December 16, 2021

Pare investigated the entire site for the presence of wetlands. Consecutively numbered pink field flags were placed at appropriate intervals along the wetland/upland border. Primary parameters evaluated in wetland delineation included vegetation and soils, and visual indicators of wetland hydrology such as saturated soils and shallow root systems on trees. Wetlands identified on the subject property included a **Pond, River, Bordering Vegetated Wetlands (BVW)**, and **Isolated Vegetated Wetlands (IVW)** that are jurisdictional under the Foxborough Wetlands By-Law. The wetlands are described in the following sections.

## WETLAND DESCRIPTIONS

### Glue Factory Pond and Associated Wetlands

Glue Factory Pond is a manmade impoundment of the Rumford River. The pond is bisected by Morse Street, creating two separate ponds. These are connected by a culvert beneath the roadway. The area of the subject property around Glue Factory Pond was delineated with the A-series flags, the majority of which were set along the top of Bank. A narrow (10± foot wide) band of BVW was identified in several areas along the pond along with a peninsula of BVW along the south side of the pond. Flags A-1 through A-3 define the top of bank; flags A-3 through A-18 (BVW) were set along the upland edge of hydrophytic vegetation that borders the pond; flags A-18 through A-36 define the top of Bank; and flags A-36 through A-48 define the wetland/upland border of a narrow band of hydrophytic vegetation along the eastern side of Glue Factory Pond. A **100-foot Buffer Zone** extends from the outermost wetland edge in addition to a **25-foot No Activity Zone** under the Foxborough Wetlands Protection Bylaw (the Bylaw).

The BVW area between A-3 and A-18 is dominated by Red Maple (*Acer rubrum*) with a shrub understory that includes Highbush Blueberry (*Vaccinium corymbosum*), Sweet Pepperbush (*Clethra alnifolia*), and Silky Dogwood (*Cornus amomum*). A peninsula wetland extends into the pond between flags A-15 and A-17 while the remaining wetland is constrained to a narrow band of BVW. The wetland edge corresponds to a gradual break in slope and transition from wetland to upland dominant vegetation and soils characteristics. The Bank between flags A-18 through A-36 is distinguished by steep banks located upgradient from, or coincident with, a narrow band of shrub vegetation dominated by Sweet Pepperbush (*Clethra alnifolia*), Willow (*Salix spp.*), Speckled Alder (*Alnus incana*), and Glossy Buckthorn (*Frangula alnus*). Maintained lawn extends to the pond edge where there area breaks in shrub vegetation. Flags A-35 and A-36 were set at the driveway bridge crossing at the Rumford River inlet to Glue Factory Pond. In this location, the distinct channel observed upstream of the bridge enters to a body of open water where channelized, unidirectional flow was not observed at the time of delineation.

Flags A-37 through A-48 define the east side of the pond between the driveway crossing and the fill embankment along Morse Street. A narrow band of BVW extends from flags A-37 through A-46 that is dominated by Speckled Alder, Willow, Glossy Buckthorn, and Sweet Pepperbush. There is a break in hydrophytic vegetation along the eastern pond edge and flag A-42 corresponds to the top of Bank. Vegetation identified within the A-series BVW and along the Bank of Glue Factory Pond included, but was not limited to, the following species:





Common Name	Scientific Name	Indicator Status
Gray Birch	<i>Betula populifolia</i>	FAC
Red Maple	<i>Acer rubrum</i>	FAC
White Oak	<i>Quercus alba</i>	FACU
White Pine	<i>Pinus strobus</i>	FACU
Highbush Blueberry	<i>Vaccinium corymbosum</i>	FACW
Glossy Buckthorn	<i>Frangula alnus</i>	FAC
Silky Dogwood	<i>Cornus amomum</i>	FACW
Speckled Alder	<i>Alnus incana</i>	FACW
Sweet Pepperbush	<i>Clethra alnifolia</i>	FAC
Willow	<i>Salix spp.</i>	Assume FAC or wetter
Common Rush	<i>Juncus effusus</i>	FACW
Cinnamon Fern	<i>Osmunda cinnamomea</i>	FACW

### **Rumford River and Associated Wetlands**

The Rumford River, which enters the northeast side of the pond at the east end of the site, is shown as a perennial stream (jurisdictional River) on the 7.5-minute USGS Quadrangle. The river has an associated **200-foot Riverfront Area** that stops at the inlet to Glue Factory Pond and begins again at the outlet. The outlet from the pond is located several hundred feet east of the property across Morse Street. Section 10.58(2)(h) of the WPA Regulations also includes the following language:

*“Where rivers flow through lakes or ponds, the Riverfront Area stops at the inlet and begins again at the outlet. A water body identified as a lake, pond, or reservoir on the current USGS map or more recent map provided by the Department, is a lake or pond, unless the issuing authority determines that the water body has primarily riverine characteristics”.*

The USGS Quadrangle (Figure 1) identifies the existing driveway crossing as the point where the Rumford River inlets to Glue Factory Pond. This is consistent with Pare’s observations during both delineations in 2021, as well as former delineations on the property in 2007 which were verified by the Commission in an Order of Resource Area Delineation (ORAD). The waterbody south of the crossing consists of a narrow cove of standing water that does not exhibit primarily riverine characteristics, whereas the channel upstream clearly exhibits unidirectional flow along a hydraulic gradient. Thus, the entire waterbody downgradient from the crossing is presumed to be a pond, and does not have an associated Riverfront Area.

The Rumford River flows from north to south and is characterized by a 15+ foot wide channel with gravelly to silty substrate and well-defined banks. The river enters Glue Factory Pond (defined by series A) at the existing driveway bridge crossing where it loses its riverine characteristics. The river edge was delineated by flags R-1 through R-3 (west side) and R-100 through R-104 (east side).

Areas of BVW were identified along both sides of the river. The B-Series wetland (flags B-1 through B-31) is located along the west side of the river and consisted of a saturated to seasonally flooded forested wetland. The wetland edge began along the edge of Rumford River and extended west in a finger-like projection bordering the driveway before meandering east and eventually



Mr. William Buckley

(4)

December 16, 2021

continuing offsite in a westerly direction. A **100-foot Buffer Zone** extends from the outermost wetland edge in addition to a **25-foot No Activity Zone** under the Foxborough Wetlands Protection Bylaw. Vegetation identified within the BVW included, but was not limited to, the following species:

<b>Common Name</b>	<b>Scientific Name</b>	<b>Indicator Status</b>
Red Maple	<i>Acer rubrum</i>	FAC
White Pine	<i>Pinus strobus</i>	FACU
Highbush Blueberry	<i>Vaccinium corymbosum</i>	FACW
Speckled Alder	<i>Alnus incana</i>	FACW
Sweet Pepperbush	<i>Clethra alnifolia</i>	FAC
Winterberry	<i>Ilex verticillate</i>	FACW
Cinnamon Fern	<i>Osmunda cinnamomea</i>	FACW
New York Fern	<i>Thelypteris noveboracensis</i>	FAC
Greenbriar	<i>Smilax rotundifolia</i>	FAC

The C-Series wetland (C-1 through C-3) is a small fringe of BVW located along the east side of the Rumford River. The wetland is located on the adjacent property to the north and was delineated up to the chain link fence to establish the extent of 100-foot Buffer Zone on the site. Vegetation in this portion of the C-series wetland was dominated by Gray Birch (*Betula populifolia*), Willow, and Sweet Pepperbush. A **100-foot Buffer Zone** extends from the outermost wetland edge in addition to a **25-foot No Activity Zone** under the Bylaw. Vegetation identified within the BVW included, but was not limited to, the following species:

<b>Common Name</b>	<b>Scientific Name</b>	<b>Indicator Status</b>
Gray Birch	<i>Betula populifolia</i>	FAC
Highbush Blueberry	<i>Vaccinium corymbosum</i>	FACW
Speckled Alder	<i>Alnus incana</i>	FACW
Sweet Pepperbush	<i>Clethra alnifolia</i>	FAC
Willow	<i>Salix spp.</i>	Assume FAC
Cinnamon Fern	<i>Osmunda cinnamomea</i>	FACW
Royal Fern	<i>Osmunda regalis</i>	OBL
Tussock Sedge	<i>Carex stricta</i>	OBL

### **Isolated Vegetated Wetlands**

Three isolated wetland areas (I-1 to I-22, I-100 to I-106, and D-1 to D-6) were identified on and within close vicinity to the site. No surface connection to any other wetlands or any river, stream, pond, lake or the ocean was observed. Only the I-1 to I-22 series area appears to be jurisdictional under the WPA as Isolated Land Subject to Flooding (ILSF). The Bylaw regulates Isolated Wetlands that consist of, “depression or basin encompassing at least five hundred (500) square feet in area, with standing water for at least two (2) consecutive weeks during most years.” ILSF and isolated wetlands do not have an associated buffer zone under the WPA or Foxborough Bylaw.

*Wetland D*

A hydrophytic plant community dominated by Arrowwood (*Viburnum dentatum*) occupies a low-lying area in the western portion of the property bordering the parking lot of the property located to the west. Flag series D-1 to D-6 defines the perimeter of the wetland. Water-stained leaves were observed within the area indicating surface water is present during times of the year although the wetland was dry on the observation date. Water staining indicates that flooding is limited to several inches and the wetland has a surface area of approximately 1,023 square feet. Therefore, the area is too small to qualify as an ILSF under the WPA Regulations. However, the area appears to qualify as an Isolated Wetland under the Bylaw which protects isolated wetlands greater than 500 square feet that flood for 2 consecutive weeks during most years. Vegetation identified within the wetland included, but was not limited to, the following species:

Common Name	Scientific Name	Indicator Status
Gray Birch	<i>Betula populifolia</i>	FAC
Red Maple	<i>Acer rubrum</i>	FAC
Arrowwood	<i>Viburnum dentatum</i>	FAC
Glossy Buckthorn	<i>Frangula alnus</i>	FAC
Highbush Blueberry	<i>Vaccinium corymbosum</i>	FACW
Silky Dogwood	<i>Cornus amomum</i>	FACW
Winterberry	<i>Ilex verticillata</i>	FACW

*Wetland I*

Flag series I-1 to I-22 defines the perimeter of an isolated vegetated wetland located in the northwestern portion of the site and extending onto the property to the north. The wetland exhibited water-stained leaves and water staining on tree trunks indicating that the wetland regularly floods. Based upon survey, the wetland has a surface area of approximately 13,830 square feet (0.32 acres). Water staining on the ground's surface indicates that the interior of the area regularly floods to depths of up to 1 foot, with shallower areas along the perimeter. Therefore, the area may qualify as an ILSF under the WPA Regulations, and is also protected as an Isolated Wetland under the Bylaw. Vegetation identified within the wetland included, but was not limited to, the following species:

Common Name	Scientific Name	Indicator Status
Red Maple	<i>Acer rubrum</i>	FAC
White Pine	<i>Pinus strobus</i>	FACU
Arrowwood	<i>Viburnum dentatum</i>	FAC
Winterberry	<i>Ilex verticillata</i>	FACW
Glossy Buckthorn	<i>Frangula alnus</i>	FAC
Highbush Blueberry	<i>Vaccinium corymbosum</i>	FACW
Cinnamon Fern	<i>Osmunda cinnamomea</i>	FACW
Royal Fern	<i>Osmunda regalis</i>	OBL



Mr. William Buckley

(6)

December 16, 2021

*Wetland I-100*

Flag series I-100 to I-106 defines the perimeter of an isolated wetland in the northern portion of the property a short distance east of the I-series wetland. The wetland has a surface area of approximately 1.852 square feet and contained hydrophytic vegetation and evidence of limited, periodic inundation several inches deep. The area does not meet the volume requirement of an ILSF under the WPA Regulations, however, qualifies as an Isolated Wetland protected under the Bylaw. Vegetation identified within the wetland included, but was not limited to, the following species:

<b>Common Name</b>	<b>Scientific Name</b>	<b>Indicator Status</b>
White Oak	<i>Quercus alba</i>	FACU
Red Maple	<i>Acer rubrum</i>	FAC
Spicebush	<i>Lindera benzoin</i>	FACW
Glossy Buckthorn	<i>Frangula alnus</i>	FAC
Poison Ivy	<i>Toxicodendron radicans</i>	FAC

**REVIEW OF PUBLISHED MAPPING**

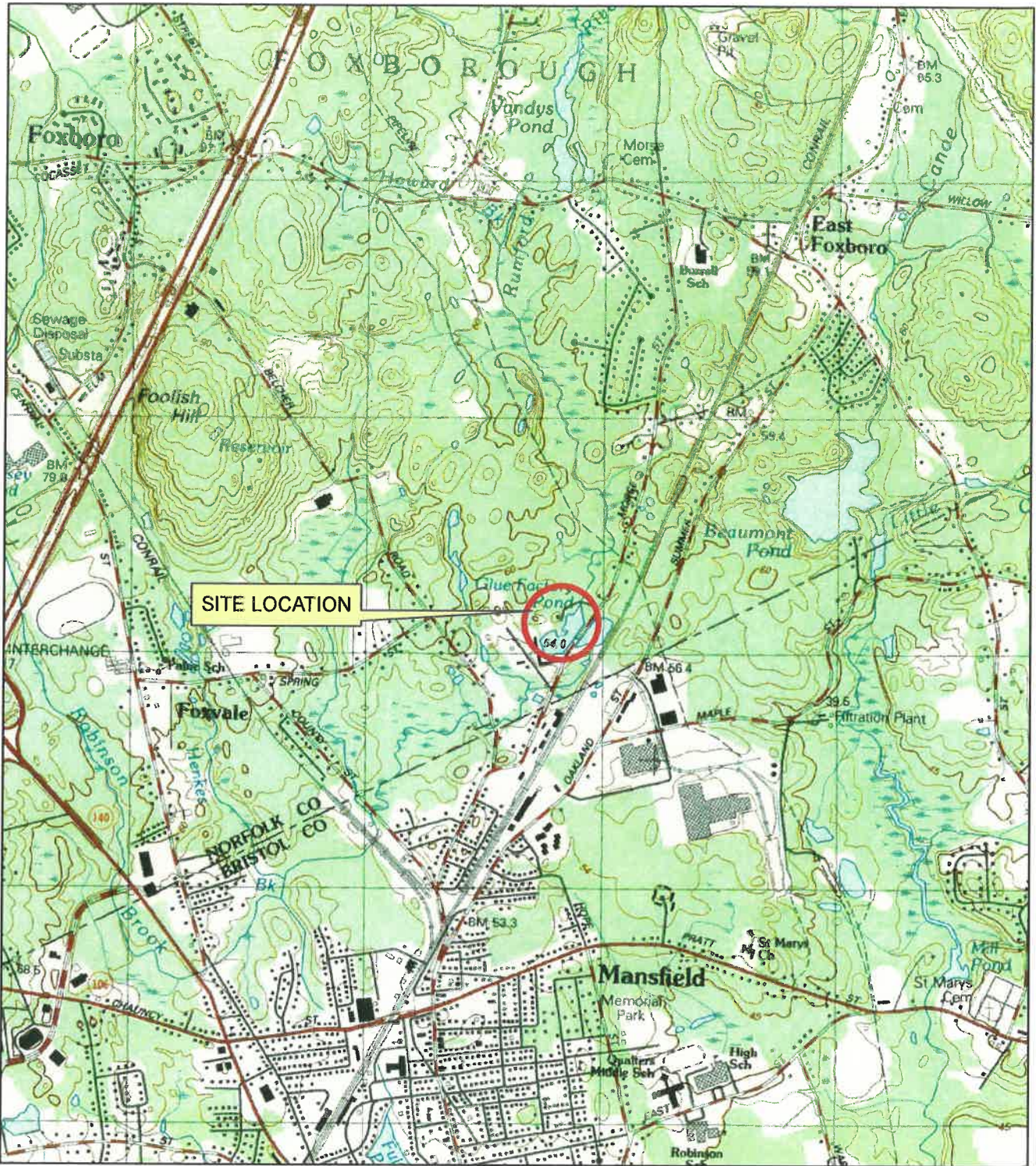
Per review of published mapping and the relevant MassGIS data layers on December 16, 2021:

- No certified or potential vernal pools are located on or near the property. (MassGIS CVP\_PT.shp and PVP\_PT.shp).
- The site is located entirely within Priority and Estimated Habitats of Rare Species (PH 728 and EH 587). (ESTHAB\_POLY.shp, PRIHAB\_POLY.shp, updated August 1, 2021).
- The site is not located within Areas of Critical Environmental Concern (acecs\_arc.shp, 2009) or Outstanding Resource Waters (ORW\_POLY.shp, 2010).
- According to the FEMA Flood Insurance Rate Map (FIRM) for the Town of Foxborough (Community Panel No. 25021C0362E, revised July 17, 2012), the southern and eastern portions of the property are located within the 100-year floodplain (Zone AE) which corresponds to elevation 181. The Rumford River and Glue Factory Pond are also designated as Regulatory Floodways. An excerpt from the FIRM is attached as Figure 3.

Thank you very much for the opportunity to assist you with this project. If you have any questions regarding permitting or other issues, or require further assistance, please do not hesitate to call.

Sincerely,

Lauren H. Gluck, P.W.S.  
Senior Environmental Scientist



**SITE LOCATION MAP**

SCALE: 1" = 2,000'



8 BLACKSTONE VALLEY PLACE  
LINCOLN, RI 02865  
(401) 334-4100

10 LINCOLN ROAD, SUITE 210  
FOXBORO, MA 02035  
(508) 543-1755

PARE PROJECT No. 18170.29

OCTOBER 2021

**FIGURE 1**

119 MORSE STREET  
FOXBORO, MA

WETLAND DELINEATION REPORT



## ANNOTATED AERIAL PHOTOGRAPH

SCALE: 1" = 200'



8 BLACKSTONE VALLEY PLACE  
LINCOLN, RI 02865  
(401) 334-4100

10 LINCOLN ROAD, SUITE 210  
FOXBORO, MA 02035  
(508) 543-1755

PARE PROJECT No. 18170.29

OCTOBER 2021

## FIGURE 2

119 MORSE STREET  
FOXBOROUGH, MA

WETLAND DELINEATION REPORT

# National Flood Hazard Layer FIRMette

71°13'6"W 42°2'33"N



Figure 3

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

<b>SPECIAL FLOOD HAZARD AREAS</b>	Without Base Flood Elevation (BFE) Zone A, V, A99	With BFE or Depth Zone AE, AO, AH, VE, AR	Regulatory Floodway
<b>OTHER AREAS OF FLOOD HAZARD</b>	0.2% Annual Chance Flood Hazard. Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile. Zone X	Future Conditions 1% Annual Chance Flood Hazard. Zone X	Area with Reduced Flood Risk due to Levee. See Notes. Zone X
<b>OTHER AREAS</b>	Area of Minimal Flood Hazard. Zone X	Effective LOMRS	Area of Undetermined Flood Hazard. Zone D
<b>GENERAL STRUCTURES</b>	Channel, Culvert, or Storm Sewer	Levee, Dike, or Floodwall	
<b>OTHER FEATURES</b>	Cross Sections with 1% Annual Chance Water Surface Elevation	Coastal Transsect	Base Flood Elevation Line (BFE)
	Limit of Study	Jurisdiction Boundary	Coastal Transsect Baseline
	Profile Baseline	Hydrographic Feature	
<b>MAP PANELS</b>	Digital Data Available	No Digital Data Available	Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/13/2024 at 3:36 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

71°12'29"W 42°2'36"N

25005C0037E  
eff: 7/7/2009

Town of Mansfield  
250057

25021C0362E  
eff: 7/17/2012

Town of Foxborough  
250239

AREA OF MINIMAL FLOOD HAZARD  
Zone X

FLOODWAY  
Zone AE

Zone AE

Zone AE

185.4 FEET

181.7 FEET

181 FEET

181.4 FEET

173 FEET

173.2 FEET

172 FEET

E

E

D

D

C

C

B



**Photo 1: View of Glue Factory Pond shoreline facing south from the driveway bridge.**



**Photo 2: Glue Factory Pond, facing southwest from driveway bridge.**







**Photo 3: View of BVW that borders the eastern edge of Glue Factory Pond.**



**Photo 4: Typical view of the B-series wetland edge.**





**Photo 5: View of the C-series BVW and Rumford River upstream of driveway bridge.**



**Photo 6: D-series wetland, facing south from north end near D-4.**





**Photo 7: Typical view of the I-series wetland edge.**



**Photo 8: Seasonally flooded interior of I-series wetland.**





**Photo 9: Typical view of I-100 series isolated wetland.**



# DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

**Applicant:** \_\_\_\_\_ **Prepared by:** Pare Corporation **Project location:** 119 Morse St., Foxboro **DEP File #:** None  
 L. Gluck, S. Anderson

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out section I only.
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II.
- Method other than dominance test used (attach additional information).

Section I. Observation Plot Number: 1		Transect Number: A	(Wetland Station)	5'± D/G WF A-5	Date of Delineation: September 30, 2021
A. Sample Layer and Plant Species (by common/ scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (Yes or No)	E. Wetland Indicator Category *	
<b>Tree</b> White Pine ( <i>Pinus strobus</i> )	16-25 (20.5)	21	Y	FACU	
White Oak ( <i>Quercus alba</i> )	26-50 (38.0)	38	Y	FACU	
Red Maple ( <i>Acer rubrum</i> )	16-25 (20.5)	21	Y	FAC*	
Bebb Willow ( <i>Salix bebbiana</i> )	6-15 (10.5)	11	N		
Gray Birch ( <i>Betula populifolia</i> )	6-15 (10.5)	11	N		
<b>Total</b>	100	102**			
<b>Sapling</b> Red Maple ( <i>Acer rubrum</i> )	6-15 (10.5)	100	Y	FAC*	
<b>Total</b>	10.5	100			
<b>Shrub</b> Glossy Buckthorn ( <i>Frangula alnus</i> )	6-15 (10.5)	15	N		
Highbush Blueberry ( <i>Vaccinium corymbosum</i> )	26-50 (38.0)	55	Y	FACW*	
Sweet Pepperbush ( <i>Clethra alnifolia</i> )	16-25 (20.5)	30	Y	FAC*	
<b>Total</b>	69.0				
<b>Herb</b> None					
<b>Total</b>					

\*\*Total does not equal 100 due to rounding

\*Use an asterisk to mark wetland indicator plants species listed in the Wetlands Protection Act (MGL c. 131, s. 40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW+, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological adaptations, describe the adaptation next to the asterisk.

**Vegetation Conclusion:**

Number of dominant wetland indicator plants: 4

Number of dominant non-wetland indicator plants: 2

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants?  YES  NO

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

**Section II. Indicators of Hydrology**

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site?  Yes  No

Title/Date: Soil Survey of Norfolk and Suffolk Counties, Massachusetts, 2020

Map Number: Accessed via Web Soil Survey <http://websoilsurvey.nrcs.usda.gov/>

Soil type mapped: 260B—Sudbury fine sandy loam, 2 to 8 percent slopes

Hydric Soil Inclusions: Walpole

Are field observations consistent with soil survey? Yes  No

Remarks:

2. Soil Description

Horizon	Depth (in)	Matrix Color	Mottles Color
O	2-0"	7.5YR 2.5/1	
A	0-5"	10YR 2/1	
B	5-16"	2.5YR 3/1	5YR 3/4

Remarks:

3. Other:

Conclusion: Is soil hydric?  Yes  No

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated:
- Depth to free water in observation hole:
- Depth to soil saturation in observation hole:
- Water Marks:
- Drift lines:
- Sediment deposits:
- Drainage patterns in BVW:
- Oxidized rhizospheres:
- Water-stained leaves:
- Recorded data (stream, lake, or tidal gauge; aerial photo; other):

Other: microtopography, adjacent pond downslope

Vegetation and Hydrology Conclusion	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland hydrology present: hydric soil present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
other indicators of hydrology present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Sample location is in a BVW</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Submit this form with the Request for Determination of Applicability or Notice of Intent

## DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

**Applicant:** \_\_\_\_\_ **Prepared by:** Pare Corporation **Project location:** 119 Morse St., Foxboro **DEP File #:** None  
 L. Gluck, S. Anderson

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out section I only.  
 Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II.  
 Method other than dominance test used (attach additional information).

Section I. Observation Plot Number: 2		Transect Number: A	(Upland Station)	5' ± U/G WF A-5	Date of Delineation: September 30, 2021
A. Sample Layer and Plant Species (by common/ scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (Yes or No)	E. Wetland Indicator Category *	
<b>Tree</b>					
Red Oak ( <i>Quercus rubra</i> )	26-50 (38.0)	48	Y	FACU	
Red Maple ( <i>Acer rubrum</i> )	6-15 (10.5)	13	N		
White Oak ( <i>Quercus alba</i> )	16-25 (20.5)	26	Y	FACU	
White Pine ( <i>Pinus strobus</i> )	6-15 (10.5)	13	N		
<b>Total</b>	79.5	100			
<b>Sapling</b>					
White Pine ( <i>Pinus strobus</i> )	16-25 (20.5)	60	Y	FACU	
Wild Black Cherry ( <i>Prunus serotina</i> )	6-15 (10.5)	31	Y	FACU	
Eastern Red Cedar ( <i>Juniperus virginiana</i> )	1-5 (3.0)	9	N		
<b>Total</b>	34.0	100			
<b>Shrub</b>					
Glossy Buckthorn ( <i>Frangula alnus</i> )	26-50 (38.0)	64	Y	FAC*	
Highbush Blueberry ( <i>Vaccinium corymbosum</i> )	6-15 (10.5)	18	N		
Mountain Laurel ( <i>Kalmia latifolia</i> )	6-15 (10.5)	18	N		
<b>Total</b>	59.0	100			
<b>Herb</b>					
Glossy Buckthorn ( <i>Frangula alnus</i> )	16-25 (20.5)	55	Y	FAC*	
Wild Black Cherry seedling ( <i>Prunus serotina</i> )	6-15 (10.5)	28	Y	FACU	
Dewberry ( <i>Rubus flagellaris</i> )	1-5 (3.0)	8	N		
Poison Ivy ( <i>Toxicodendron radicans</i> )	1-5 (3.0)	8	N		
<b>Total</b>	37.0	99**			

\*\*Total does not equal 100 due to rounding

\*Use an asterisk to mark wetland indicator plants species listed in the Wetlands Protection Act (MGL c. 131, s. 40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW+, or OBI; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological adaptations, describe the adaptation next to the asterisk.

### Vegetation Conclusion:

Number of dominant wetland indicator plants: 2

Number of dominant non-wetland indicator plants: 5

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? YES  NO

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

**Section II. Indicators of Hydrology**

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site?  Yes  No

Title/Date: Soil Survey of Norfolk and Suffolk Counties, Massachusetts, 2020

Map Number: Accessed via Web Soil Survey <http://websoilsurvey.nrcs.usda.gov/>

Soil type mapped: 260B—Sudbury fine sandy loam, 2 to 8 percent slopes

Hydric Soil Inclusions: Walpole

Are field observations consistent with soil survey?  Yes  No

Remarks:

2. Soil Description

Horizon	Depth (in)	Matrix Color	Mottles Color
O	1-0"	7.5YR 2/2	
A	0-1"	10YR 2/1	
Bw	1-14+"	10YR 3/2	

Remarks:

3. Other:

Conclusion: Is soil hydric? Yes  No

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated:
- Depth to free water in observation hole:
- Depth to soil saturation in observation hole:
- Water Marks:
- Drift lines:
- Sediment deposits:
- Drainage patterns in BVW:
- Oxidized rhizospheres:
- Water-stained leaves:
- Recorded data (stream, lake, or tidal gauge; aerial photo; other):
- Other:

Vegetation and Hydrology Conclusion	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland hydrology present: hydric soil present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
other indicators of hydrology present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Sample location is in a BVW</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Submit this form with the Request for Determination of Applicability or Notice of Intent



## DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

**Applicant:** \_\_\_\_\_ **Prepared by:** Pare Corporation **Project location:** 119 Morse St., Foxboro **DEP File #:** None  
L. Gluck, S. Anderson

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out section I only.
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II.
- Method other than dominance test used (attach additional information).

Section I. Observation Plot Number: 3		Transect Number: A	(Wetland Station)	5'± D/G WF A-39	Date of Delineation: September 30, 2021
A. Sample Layer and Plant Species (by common/ scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (Yes or No)	E. Wetland Indicator Category *	
<b>Tree</b> Red Maple ( <i>Acer rubrum</i> )	6-15 (10.5)	100	Y	FAC*	
<b>Total</b>	10.5	100			
<b>Sapling</b> Bebb Willow ( <i>Salix bebbiana</i> )	6-15 (10.5)	50	Y	FACW*	
Gray Birch ( <i>Betula populifolia</i> )	6-15 (10.5)	50	Y	FAC*	
<b>Total</b>	21.0	100			
<b>Shrub</b> Sweet Pepperbush ( <i>Clethra alnifolia</i> )	26-50 (38.0)	38	Y	FAC*	
Speckled Alder ( <i>Alnus incana</i> )	16-25 (20.5)	21	Y	FACW*	
Highbush Blueberry ( <i>Vaccinium corymbosum</i> )	16-25 (20.5)	21	Y	FACW*	
Glossy Buckthorn ( <i>Frangula alnus</i> )	16-25 (20.5)	21	Y	FAC*	
<b>Total</b>	99.5	102**			
<b>Herb</b> Dewberry ( <i>Rubus flagellaris</i> )	51-75 (63.0)	57	Y	FACU	
American Aster ( <i>Symphoricarum spp.</i> )	6-15 (10.5)	9	N		
Haircap Moss ( <i>Polytrichum spp.</i> )	26-50 (38.0)	34	Y	Assume FAC*	
<b>Total</b>	111.5	100			

\*\*Total does not equal 100 due to rounding

\*Use an asterisk to mark wetland indicator plants species listed in the Wetlands Protection Act (MGL c. 131, s. 40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological adaptations, describe the adaptation next to the asterisk.

**Vegetation Conclusion:**

Number of dominant wetland indicator plants: 8      Number of dominant non-wetland indicator plants: 1

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants?  YES  NO

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

**Section II. Indicators of Hydrology**

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site?  Yes  No

Title/Date: Soil Survey of Norfolk and Suffolk Counties, Massachusetts, 2020

Map Number: Accessed via Web Soil Survey <http://websoilsurvey.nrcs.usda.gov/>

Soil type mapped: 260B—Sudbury fine sandy loam, 2 to 8 percent slopes

Hydric Soil Inclusions: Walpole

Are field observations consistent with soil survey? Yes  No

Remarks:

2. Soil Description

Horizon	Depth (in)	Matrix Color	Mottles Color
O	1-0"	7.5YR 2.5/2	
A	0-1"	10YR 3/1	
Bw1	1-9"	10YR 5/3	5YR 3/4
Bg	9-12+"	10YR 4/2	

Remarks: Saturated at 10"

3. Other:

Conclusion: Is soil hydric?  Yes  No

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated:
- Depth to free water in observation hole:
- Depth to soil saturation in observation hole: 10"
- Water Marks:
- Drift lines:
- Sediment deposits:
- Drainage patterns in BVW:
- Oxidized rhizospheres:
- Water-stained leaves:
- Recorded data (stream, lake, or tidal gauge; aerial photo; other):

Other: 10% redoximorphic features.

Vegetation and Hydrology Conclusion	Yes	No
Number of wetland indicator plants $\geq$ number of non-wetland indicator plants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland hydrology present: hydric soil present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
other indicators of hydrology present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Sample location is in a BVW</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Submit this form with the Request for Determination of Applicability or Notice of Intent

# DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

**Applicant:** \_\_\_\_\_ **Prepared by:** Pare Corporation **Project location:** 119 Morse St, Foxboro **DEP File #:** None  
 L. Gluck, S. Anderson

Check all that apply:

Vegetation alone presumed adequate to delineate BVW boundary: fill out section I only.

Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II.

Method other than dominance test used (attach additional information).

Section I. Observation Plot Number: 4		Transect Number: A (Upland Station)		5'± U/G WF A-39		Date of Delineation: September 30, 2021	
A. Sample Layer and Plant Species (by common/ scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (Yes or No)	E. Wetland Indicator Category *			
<b>Tree</b>							
Red Maple ( <i>Acer rubrum</i> )	16-25 (20.5)	40	Y	FAC*			
White Oak ( <i>Quercus alba</i> )	16-25 (20.5)	40	Y	FACU			
Hickory ( <i>Carya spp.</i> )	6-15 (10.5)	20	Y	FACU			
<b>Total</b>	51.5	101**					
<b>Sapling</b>							
None							
<b>Total</b>	0.0	0					
<b>Shrub</b>							
Glossy Buckthorn ( <i>Frangula alnus</i> )	26-50 (38.0)	38	Y	FAC*			
Highbush Blueberry ( <i>Vaccinium corymbosum</i> )	16-25 (20.5)	21	Y	FACW*			
Red Oak ( <i>Quercus rubra</i> )	16-25 (20.5)	21	Y	FACU			
Sweet Pepperbush ( <i>Clethra alnifolia</i> )	6-15 (10.5)	11	N				
Gray Birch ( <i>Betula populifolia</i> )	6-15 (10.5)	11	N				
<b>Total</b>	100	102**					
<b>Herb</b>							
Dewberry ( <i>Rubus flagellaris</i> )	76-95 (85.5)	93	Y	FACU			
White Pine ( <i>Pinus strobus</i> )	1-5 (3.0)	3	N				
Sedge ( <i>Carex spp.</i> )	1-5 (3.0)	3	N				
<b>Total</b>	91.5	99**					

\*\*Total does not equal 100 due to rounding

\*Use an asterisk to mark wetland indicator plants species listed in the Wetlands Protection Act ( MGL c. 131, s. 40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological adaptations, describe the adaptation next to the asterisk.

**Vegetation Conclusion:**

Number of dominant wetland indicator plants: 3

Number of dominant non-wetland indicator plants: 4

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? YES  NO

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

**Section II. Indicators of Hydrology**

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site?  Yes  No

Title/Date: Soil Survey of Norfolk and Suffolk Counties, Massachusetts, 2020

Map Number: Accessed via Web Soil Survey <http://websoilsurvey.nrcs.usda.gov/>

Soil type mapped: 260B—Sudbury fine sandy loam, 2 to 8 percent slopes

Hydric Soil Inclusions: Walpole

Are field observations consistent with soil survey?  Yes  No

Remarks:

2. Soil Description

Horizon	Depth (in)	Matrix Color	Mottles Color
O	1-0"	7.5YR 2.5/2	
A	0-1"	10YR 2/1	
Bw	1-20+"	10YR 3/2	

Remarks:

3. Other:

Conclusion: Is soil hydric? Yes  No

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated:
- Depth to free water in observation hole:
- Depth to soil saturation in observation hole:
- Water Marks:
- Drift lines:
- Sediment deposits:
- Drainage patterns in BVW:
- Oxidized rhizospheres:
- Water-stained leaves:
- Recorded data (stream, lake, or tidal gauge; aerial photo; other):
- Other:

Vegetation and Hydrology Conclusion	Yes	No
Number of wetland indicator plants $\geq$ number of non-wetland indicator plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland hydrology present: hydric soil present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
other indicators of hydrology present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Sample location is in a BVW</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Submit this form with the Request for Determination of Applicability or Notice of Intent

## DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

**Applicant:** \_\_\_\_\_ **Prepared by:** Pare Corporation **Project location:** 119 Morse St., Foxboro **DEP File #:** None  
 L. Gluck, S. Anderson

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out section I only.
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II.
- Method other than dominance test used (attach additional information).

Section I. Observation Plot Number: 1		Transect Number: B	5'± D/G WF B-12	Date of Delineation: September 30, 2021
A. Sample Layer and Plant Species (by common/ scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (Yes or No)	E. Wetland Indicator Category *
<b>Tree</b> White Pine ( <i>Pinus strobus</i> )	16-25 (20.5)	25	Y	FACU
Red Maple ( <i>Acer rubrum</i> )	51-75 (63.0)	75	Y	FAC*
<b>Total</b>	83.5	100		
<b>Sapling</b> Red Maple ( <i>Acer rubrum</i> )	16-25 (20.5)	87	Y	FAC*
White Pine ( <i>Pinus strobus</i> )	1-5 (3.0)	13	N	
<b>Total</b>	23.5	100		
<b>Shrub</b> Highbush Blueberry ( <i>Vaccinium corymbosum</i> )	16-25 (20.5)	49	Y	FACW*
Sweet Pepperbush ( <i>Clethra alnifolia</i> )	6-15 (10.5)	25	Y	FAC*
Winterberry ( <i>Ilex verticillata</i> )	6-15 (10.5)	25	Y	FACW*
<b>Total</b>	41.5	99**		
<b>Herb</b> Cinnamon Fern ( <i>Osmunda cinnamomea</i> )	6-15 (10.5)	44	Y	FACW*
Dewberry ( <i>Rubus flagellaris</i> )	6-15 (10.5)	44	Y	FACU
New York Fern ( <i>Thelypteris noveboracensis</i> )	1-5 (3.0)	13	N	
<b>Total</b>	24.0	101**		

\*\*Total does not equal 100 due to rounding

\*Use an asterisk to mark wetland indicator plants species listed in the Wetlands Protection Act (MGL c. 131, s. 40): plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological adaptations, describe the adaptation next to the asterisk.

**Vegetation Conclusion:**

Number of dominant wetland indicator plants: 6

Number of dominant non-wetland indicator plants: 2

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants?  YES  NO

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

**Section II. Indicators of Hydrology**

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site?  Yes  No

Title/Date: Soil Survey of Norfolk and Suffolk Counties, Massachusetts, 2020

Map Number: Accessed via Web Soil Survey <http://websoilsurvey.nrcs.usda.gov/>

Soil type mapped: 260B—Sudbury fine sandy loam, 2 to 8 percent slopes

Hydric Soil Inclusions: Walpole

Are field observations consistent with soil survey? Yes  No

Remarks:

2. Soil Description

Horizon	Depth (in)	Matrix Color	Mottles Color
O	2-0"	7.5YR 2.5/2	
A	0-12"	10YR 2/1	
B	12+"	10YR 4/2	10YR 2/1

Remarks:

3. Other:

Conclusion: Is soil hydric?  Yes  No

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated:
- Depth to free water in observation hole:
- Depth to soil saturation in observation hole:
- Water Marks:
- Drift lines:
- Sediment deposits:
- Drainage patterns in BVW:
- Oxidized rhizospheres:
- Water-stained leaves:
- Recorded data (stream, lake, or tidal gauge; aerial photo; other):
- Other: buttressed roots

Vegetation and Hydrology Conclusion	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland hydrology present: hydric soil present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
other indicators of hydrology present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Sample location is in a BVW</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Submit this form with the Request for Determination of Applicability or Notice of Intent

## DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

**Applicant:**          **Prepared by:** Pare Corporation **Project location:** 119 Morse St, Foxboro **DEP File #:** None  
 L. Gluck, S. Anderson

Check all that apply:

Vegetation alone presumed adequate to delineate BVW boundary: fill out section I only.

Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II.

Method other than dominance test used (attach additional information).

Section I. Observation Plot Number: 2		Transect Number: B	(Upland Station)	5'± U/G WF B-12	Date of Delineation: September 30, 2021
A. Sample Layer and Plant Species (by common/ scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (Yes or No)	E. Wetland Indicator Category *	
<b>Tree</b>					
Red Maple ( <i>Acer rubrum</i> )	16-25 (20.5)	33	Y	FAC*	
White Pine ( <i>Pinus strobus</i> )	6-15 (10.5)	17	N		
White Oak ( <i>Quercus alba</i> )	16-25 (20.5)	33	Y	FACU	
Shagbark Hickory ( <i>Carya ovata</i> )	6-15 (10.5)	17	N		
<b>Total</b>	62.0	100			
<b>Sapling</b>					
White Pine ( <i>Pinus strobus</i> )	16-25 (20.5)	60	Y	FACU	
Red Maple ( <i>Acer rubrum</i> )	6-15 (10.5)	31	Y	FAC*	
White Ash ( <i>Fraxinus americana</i> )	1-5 (3.0)	9	N		
<b>Total</b>	34.0	100			
<b>Shrub</b>					
Highbush Blueberry ( <i>Vaccinium corymbosum</i> )	6-15 (10.5)	100	Y	FACW*	
<b>Total</b>	10.5	100			
<b>Herb</b>					
Marginal Woodfern ( <i>Dryopteris marginalis</i> )	16-25 (20.5)	66	Y	FACU	
Dewberry ( <i>Rubus flagellaris</i> )	6-15 (10.5)	34	Y	FACU	
<b>Total</b>	31.0	100			

\*\*Total does not equal 100 due to rounding

\*Use an asterisk to mark wetland indicator plants species listed in the Wetlands Protection Act ( MGL c. 131, s. 40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological adaptations, describe the adaptation next to the asterisk.

### Vegetation Conclusion:

Number of dominant wetland indicator plants: 3

Number of dominant non-wetland indicator plants: 4

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? YES  NO

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

**Section II. Indicators of Hydrology**

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site?  Yes  No

Title/Date: Soil Survey of Norfolk and Suffolk Counties, Massachusetts, 2020

Map Number: Accessed via Web Soil Survey <http://websoilsurvey.nrcs.usda.gov/>

Soil type mapped: 260B—Sudbury fine sandy loam, 2 to 8 percent slopes

Hydric Soil Inclusions: Walpole

Are field observations consistent with soil survey?  Yes  No

Remarks:

2. Soil Description

Horizon	Depth (in)	Matrix Color	Mottles Color
O	1-0"	10YR 2/2	
A	0-4"	10YR 3/2	
B	4+"	10YR 4/6	

Remarks:

3. Other:

Conclusion: Is soil hydric? Yes  No

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated:
- Depth to free water in observation hole:
- Depth to soil saturation in observation hole:
- Water Marks:
- Drift lines:
- Sediment deposits:
- Drainage patterns in BVW:
- Oxidized rhizospheres:
- Water-stained leaves:
- Recorded data (stream, lake, or tidal gauge; aerial photo; other):
- Other:

Vegetation and Hydrology Conclusion	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland hydrology present: hydric soil present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
other indicators of hydrology present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Sample location is in a BVW</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Submit this form with the Request for Determination of Applicability or Notice of Intent



## DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

**Applicant:**          **Prepared by:** Pare Corporation **Project location:** 119 Morse St., Foxboro **DEP File #:** None  
 L. Gluck, S. Anderson

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out section I only.
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II.
- Method other than dominance test used (attach additional information).

Section I. Observation Plot Number: 3		Transect Number: B	(Wetland Station)	5'± D/G WF B-25	Date of Delineation: September 30, 2021
A. Sample Layer and Plant Species (by common/ scientific name)		B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (Yes or No)	E. Wetland Indicator Category *
<b>Tree</b>	Red Maple ( <i>Acer rubrum</i> )	51-75 (63.0)	75	Y	FAC*
	Red Oak ( <i>Quercus rubra</i> )	16-25 (20.5)	25	Y	FACU
	<b>Total</b>	83.5	100		
<b>Sapling</b>	Red Maple ( <i>Acer rubrum</i> )	6-15 (10.5)	50	Y	FAC*
	White Pine ( <i>Pinus strobus</i> )	6-15 (10.5)	50	Y	FACU
	<b>Total</b>	21.0	100		
<b>Shrub</b>	Witch Hazel ( <i>Hamamelis virginiana</i> )	16-25 (20.5)	23	Y	FACU
	Highbush Blueberry ( <i>Vaccinium corymbosum</i> )	16-25 (20.5)	23	Y	FACW*
	Sweet Pepperbush ( <i>Clethra alnifolia</i> )	26-50 (38.0)	42	Y	FAC*
	Greenbrier ( <i>Smilax rotundifolia</i> )	6-15 (10.5)	12	N	
	<b>Total</b>	89.5	100		
<b>Herb</b>	Cinnamon Fern ( <i>Osmunda cinnamomea</i> )	6-15 (10.5)	100	Y	FACW*
	<b>Total</b>	10.5	100		

\*Use an asterisk to mark wetland indicator plants species listed in the Wetlands Protection Act (MGL c. 131, s. 40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological adaptations, describe the adaptation next to the asterisk.

**Vegetation Conclusion:**

Number of dominant wetland indicator plants: 5

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants?  YES  NO

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

Number of dominant non-wetland indicator plants: 3

**Section II. Indicators of Hydrology**

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site?  Yes  No

Title/Date: Soil Survey of Norfolk and Suffolk Counties, Massachusetts, 2020

Map Number: Accessed via Web Soil Survey <http://websoilsurvey.nrcs.usda.gov/>

Soil type mapped: 260B—Sudbury fine sandy loam, 2 to 8 percent slopes

Hydric Soil Inclusions: Walpole

Are field observations consistent with soil survey? Yes  No

Remarks:

2. Soil Description

Horizon	Depth (in)	Matrix Color	Mottles Color
O	2-0"	10YR 3/1	
A	0-8"	10YR 2/1	
B	8+"	10YR 4/2	7.5YR 4/6

Remarks:

3. Other:

Conclusion: Is soil hydric?  Yes  No

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated:
- Depth to free water in observation hole:
- Depth to soil saturation in observation hole:
- Water Marks:
- Drift lines:
- Sediment deposits:
- Drainage patterns in BVW:
- Oxidized rhizospheres:
- Water-stained leaves:
- Recorded data (stream, lake, or tidal gauge; aerial photo; other):

Other: microrelief

Vegetation and Hydrology Conclusion	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland hydrology present: hydic soil present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
other indicators of hydrology present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Sample location is in a BVW</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Submit this form with the Request for Determination of Applicability or Notice of Intent

# DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

**Applicant:**          **Prepared by:** Pare Corporation **Project location:** 119 Morse St. Foxboro **DEP File #:** None  
 L. Gluck, S. Anderson

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out section I only.
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II.
- Method other than dominance test used (attach additional information).

Section I. Observation Plot Number: 4		Transect Number: B (Upland Station)		5'± U/G WF B-25		Date of Delineation: September 30, 2021	
A. Sample Layer and Plant Species (by common/ scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (Yes or No)	E. Wetland Indicator Category *			
<b>Tree</b>							
Red Oak ( <i>Quercus rubra</i> )	16-25 (20.5)	30	Y	FACU			
Red Maple ( <i>Acer rubrum</i> )	26-50 (38.0)	55	Y	FAC*			
White Oak ( <i>Quercus alba</i> )	6-15 (10.5)	15	N				
<b>Total</b>	69.0						
<b>Sapling</b>							
American Beech ( <i>Fagus grandifolia</i> )	6-15 (10.5)	25	Y	FACU			
Red Maple ( <i>Acer rubrum</i> )	6-15 (10.5)	25	Y	FAC*			
White Pine ( <i>Pinus strobus</i> )	6-15 (10.5)	25	Y	FACU			
White Oak ( <i>Quercus alba</i> )	6-15 (10.5)	25	Y	FACU			
<b>Total</b>	42.0	100					
<b>Shrub</b>							
Greenbrier ( <i>Smilax rotundifolia</i> )	6-15 (10.5)	18	N				
Witch Hazel ( <i>Hamamelis virginiana</i> )	26-50 (38.0)	64	Y	FACU			
Highbush Blueberry ( <i>Vaccinium corymbosum</i> )	6-15 (10.5)	18	N				
<b>Total</b>	59.0	100					
<b>Herb</b>							
Lowbush Blueberry ( <i>Vaccinium angustifolium</i> )	6-15 (10.5)	78	Y	FACU			
Red Oak seedling ( <i>Quercus rubra</i> )	1-5 (3.0)	22	Y	FACU			
<b>Total</b>	13.5	100					

\*\*Total does not equal 100 due to rounding

\*Use an asterisk to mark wetland indicator plants species listed in the Wetlands Protection Act (MGL c. 131, s. 40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological adaptations, describe the adaptation next to the asterisk.

**Vegetation Conclusion:**

Number of dominant wetland indicator plants: 2

Number of dominant non-wetland indicator plants: 2

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? YES  NO

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

**Section II. Indicators of Hydrology**

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site?  Yes  No

Title/Date: Soil Survey of Norfolk and Suffolk Counties, Massachusetts, 2020

Map Number: Accessed via Web Soil Survey <http://websoilsurvey.nrcs.usda.gov/>

Soil type mapped: 260B—Sudbury fine sandy loam, 2 to 8 percent slopes

Hydric Soil Inclusions: Walpole

Are field observations consistent with soil survey?  Yes  No

Remarks:

2. Soil Description

Horizon	Depth (in)	Matrix Color	Mottles Color
O	1-0"	10YR 3/2	
A	0-4"	10YR 2/2	
B	4+"	10YR 5/3	

Remarks: Rocky B horizon

3. Other:

Conclusion: Is soil hydric? Yes  No

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated:
- Depth to free water in observation hole:
- Depth to soil saturation in observation hole:
- Water Marks:
- Drift lines:
- Sediment deposits:
- Drainage patterns in BVW:
- Oxidized rhizospheres:
- Water-stained leaves:
- Recorded data (stream, lake, or tidal gauge; aerial photo; other):
- Other:

Vegetation and Hydrology Conclusion	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland hydrology present: hydric soil present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
other indicators of hydrology present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Sample location is in a BVW</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Submit this form with the Request for Determination of Applicability or Notice of Intent

# DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

**Applicant:** \_\_\_\_\_ **Prepared by:** Pare Corporation **Project location:** 119 Morse St., Foxboro **DEP File #:** None  
 L. Gluck, S. Anderson

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out section I only.
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II.
- Method other than dominance test used (attach additional information).

Section I. Observation Plot Number: 1		Transect Number: C	(Wetland Station)	5' ± D/G WF C-2	Date of Delineation: September 30, 2021
A. Sample Layer and Plant Species (by common/ scientific name)		B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (Yes or No)	E. Wetland Indicator Category *
<b>Tree</b>	Gray Birch ( <i>Betula populifolia</i> )	16-25 (20.5)	100	Y	FAC*
	<b>Total</b>	20.5	100		
<b>Sapling</b>	Gray Birch ( <i>Betula populifolia</i> )	16-25 (20.5)	100	Y	FAC*
	<b>Total</b>	20.5	100		
<b>Shrub</b>	Willow ( <i>Salix</i> sp.)	16-25 (20.5)	33	Y	FACW*
	Sweet Pepperbush ( <i>Clethra alnifolia</i> )	16-25 (20.5)	33	Y	FAC*
	Highbush Blueberry ( <i>Vaccinium corymbosum</i> )	6-15 (10.5)	17	N	
	Speckled Alder ( <i>Alnus rugosa</i> )	6-15 (10.5)	17	N	
	<b>Total</b>	62.0	100		
<b>Herb</b>	Cinnamon Fern ( <i>Osmunda cinnamomea</i> )	16-25 (20.5)	49	Y	FACW*
	Meadow Rue ( <i>Thalictrum</i> sp.)	6-15 (10.5)	25	Y	FAC*
	Canada Goldenrod ( <i>Solidago canadensis</i> )	6-15 (10.5)	25	Y	FACU
	<b>Total</b>	41.5	99**		

\*\*Total does not equal 100 due to rounding

\*Use an asterisk to mark wetland indicator plants species listed in the Wetlands Protection Act (MGL c. 131, s. 40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological adaptations, describe the adaptation next to the asterisk.

**Vegetation Conclusion:**

Number of dominant wetland indicator plants: 6      Number of dominant non-wetland indicator plants: 1  
 Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants?  YES  NO

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

**Section II. Indicators of Hydrology**

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site?  Yes  No

Title/Date: Soil Survey of Norfolk and Suffolk Counties, Massachusetts, 2020

Map Number: Accessed via Web Soil Survey <http://websoilsurvey.nrcs.usda.gov/>

Soil type mapped: 260B—Sudbury fine sandy loam, 2 to 8 percent slopes

Hydric Soil Inclusions: Walpole

Are field observations consistent with soil survey? Yes  No

Remarks:

2. Soil Description

Horizon	Depth (in)	Matrix Color	Mottles Color
O	1-0"	7.5YR 2.5/1	
A	0-3"	10YR 2/1	
B	3-12"	10YR 3/2	

Remarks: Gravelly fill

3. Other:

Conclusion: Is soil hydric?  Yes  No

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated:
- Depth to free water in observation hole:
- Depth to soil saturation in observation hole:
- Water Marks:
- Drift lines:
- Sediment deposits:
- Drainage patterns in BVW:
- Oxidized rhizospheres:
- Water-stained leaves:
- Recorded data (stream, lake, or tidal gauge; aerial photo; other):

Other: buttressed roots, nearby river

Vegetation and Hydrology Conclusion	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland hydrology present: hydric soil present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
other indicators of hydrology present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Sample location is in a BVW</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Submit this form with the Request for Determination of Applicability or Notice of Intent

## DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

**Applicant:**          **Prepared by:** Pare Corporation **Project location:** 119 Morse St. Foxboro **DEP File #:** None  
L. Gluck, S. Anderson

Check all that apply:

     Vegetation alone presumed adequate to delineate BVW boundary: fill out section I only.

X Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II.

     Method other than dominance test used (attach additional information).

Section I. Observation Plot Number: 2		Transect Number: C	(Upland Station)	5'± U/G WF C-2	Date of Delineation: September 30, 2021
A. Sample Layer and Plant Species (by common/ scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (Yes or No)	E. Wetland Indicator Category *	
<b>Tree</b>					
Red Maple ( <i>Acer rubrum</i> )	6-15 (10.5)	17	N		
White Ash ( <i>Fraxinus americana</i> )	6-15 (10.5)	17	N		
Shagbark Hickory ( <i>Carya ovata</i> )	16-25 (20.5)	33	Y		FACU
White Oak ( <i>Quercus alba</i> )	16-25 (20.5)	33	Y		FACU
<b>Total</b>	62.0	100			
<b>Sapling</b>					
Red Oak ( <i>Quercus rubra</i> )	6-15 (10.5)	50	Y		FACU
Gray Birch ( <i>Betula populifolia</i> )	6-15 (10.5)	50	Y		FAC*
<b>Total</b>	21.0				
<b>Shrub</b>					
Sweet Pepperbush ( <i>Clethra alnifolia</i> )	6-15 (10.5)	28	Y		FAC*
Highbush Blueberry ( <i>Vaccinium corymbosum</i> )	6-15 (10.5)	28	Y		FACW*
Glossy Buckthorn ( <i>Frangula alnus</i> )	6-15 (10.5)	28	Y		FAC*
Mountain Laurel ( <i>Kalmia latifolia</i> )	1-5 (3.0)	8	N		
Lowbush Blueberry ( <i>Vaccinium angustifolium</i> )	1-5 (3.0)	8	N		
<b>Total</b>	37.5	100			
<b>Herb</b>					
Canada Goldenrod ( <i>Solidago canadensis</i> )	6-15 (10.5)	30	Y		FACU
Canada Mayflower ( <i>Maianthemum canadense</i> )	1-5 (3.0)	9	N		
Switchgrass ( <i>Panicum virgatum</i> )	6-15 (10.5)	30	Y		FAC*
Common Dandelion ( <i>Taraxacum officinale</i> )	6-15 (10.5)	30	Y		FACU
<b>Total</b>	34.5	99**			

\*\*Total does not equal 100 due to rounding

\*Use an asterisk to mark wetland indicator plants species listed in the Wetlands Protection Act ( MGL c. 131, s. 40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological adaptations, describe the adaptation next to the asterisk.

**Vegetation Conclusion:**

Number of dominant wetland indicator plants: 5

Number of dominant non-wetland indicator plants: 5

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants?  YES  NO

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

**Section II. Indicators of Hydrology**

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site?  Yes  No

Title/Date: Soil Survey of Norfolk and Suffolk Counties, Massachusetts, 2020

Map Number: Accessed via Web Soil Survey <http://websoilsurvey.nrcs.usda.gov/>

Soil type mapped: 260B—Sudbury fine sandy loam, 2 to 8 percent slopes

Hydric Soil Inclusions: Walpole

Are field observations consistent with soil survey?  Yes  No

Remarks:

2. Soil Description

Horizon	Depth (in)	Matrix Color	Mottles Color
O	1-0"	7.5YR 2.5/1	
A	0-2"	10YR 2/1	
Bw	2-8"	10YR 3/1	
Bw2	8-16"	10YR 3/2	

Remarks: Course, sandy/gravel B horizon

3. Other:

Conclusion: Is soil hydric? Yes  No

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated:
- Depth to free water in observation hole:
- Depth to soil saturation in observation hole:
- Water Marks:
- Drift lines:
- Sediment deposits:
- Drainage patterns in BVW:
- Oxidized rhizospheres:
- Water-stained leaves:
- Recorded data (stream, lake, or tidal gauge; aerial photo; other):
- Other:

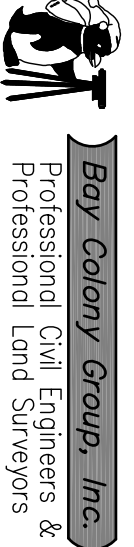
Vegetation and Hydrology Conclusion	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland hydrology present: hydric soil present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
other indicators of hydrology present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Sample location is in a BVW</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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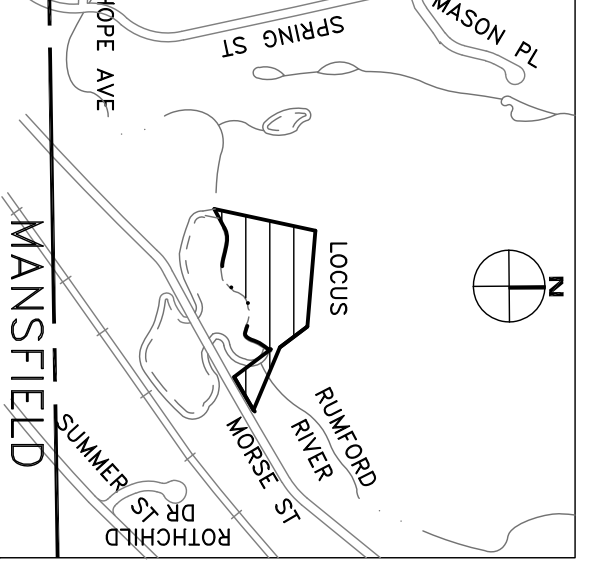


**PROJECT:**

**119 Morse Street  
Foxborough  
Massachusetts**  
OWNER/APPLICANT:  
**119 Morse Street  
Realty Trust  
95 Washington Street  
Foxborough, MA  
02035**



**FOUR SCHOOL STREET  
P.O. BOX 9136  
FOXBOROUGH, MA 02035  
508-545-5539**



**LOCUS**

**DEED REF:**  
BK 25949, PG. 116  
**PLAN REF:**  
PB 247, PLAN No. 113-1974  
**ASSESSOR'S REF:**  
MAP 137, PARCEL 024

**STAMP**



**DRAWING TITLE**

**Existing Conditions  
Plan**

SCALE: 1" = 40'  
DECEMBER 16, 2021 SHEET NUMBER  
07-0203EX **1**

**NOTES**

1. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM AN ON THE GROUND SURVEY AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN HEREON COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. CONTRACTORS ARE TO CHECK AND VERIFY THE LOCATION OF UTILITIES PRIOR TO CONSTRUCTION. DIG SAFE PHONE NO. 1-888-544-7233
2. ELEVATIONS, IN FEET ARE REFERRED TO THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88). HORIZONTAL DATUM IS BASED ON NORTH AMERICAN DATUM 1983 (NAD 83).
3. FIELD SURVEY PERFORMED BETWEEN NOVEMBER, 2007 AND NOVEMBER, 2021.
5. CONTOUR INTERVAL: 1 FOOT

**KEY:**

⊗	HYDRANT	⊙	STONE WELL
⊖	WATER CAIE	⊖	ELECTRIC HAND HOLE
⊕	WATER SERVICE	⊖	UTILITY POLE
⊖	GAS CAIE	⊖	LIGHT
⊖	DRAIN MANHOLE	⊖	CONC BOLLARD
⊖	CATCH BASIN	⊖	QUI WIRE
⊖	SEWER MANHOLE	⊖	SOX
⊖	EXISTING WELL	⊖	SLOPED GRANITE CURB
⊖	UNDERGROUND TEL.	⊖	VERTICAL CONCRETE CURB
⊖	UNDERGROUND GAS	⊖	REINFORCED CONCRETE CURB
⊖	UNDERGROUND ELEC.	⊖	CORRUGATED PLASTIC PIPE
⊖	LEAD PILE WITH ESCUTCHEON PIN	⊖	MATERIAL
⊖	CONCRETE BOUND STONE BOUND WITH DRILLHOLE	⊖	PAVE TREE
⊖	SOLID WHITE	⊖	SOLID WHITE
⊖	EDGE YELLOW	⊖	DASHED WHITE
⊖	EDGE LINE	⊖	DASHED WHITE LANE LINE

