

TRI-COUNTY REGIONAL VOCATIONAL
TECHNICAL HIGH SCHOOL
147 POND ST
FRANKLIN, MA 02038



ABBREVIATED NOTICE OF RESOURCE AREA DELINEATION

*Pursuant to M.G.L c. 44 §53G
& Franklin Wetland Protection Bylaws Chapter 181*

Submitted to:
Town of Franklin Conservation Commission
Massachusetts Department of Environmental Protection

Prepared for:
Karen Maguire-School Superintendent
Tri-county Regional Vocational Technical High School
147 Pond St
Franklin, MA 02038

Prepared by:
Stephen Powers PE
Samiotes Consultants, Inc.
20 A Street
Framingham, MA 01701

Architect:
Drummey Rosane Anderson, Inc.
260 Charles Street
Studio 300
Waltham, MA 02453

Land Surveyor:
Samiotes Consultants, Inc.
20 A Street
Framingham, MA 01701

Wetland Scientist:
Environmental Consulting & Restoration, LLC
26 Union St
Plymouth, MA 02360

AUGUST, 2023

samiotes



Town of Franklin Conservation Commission

PROPERTY ACCESS SIGNATURE FORM

I hereby request that the Franklin Conservation Commission review this NOI/RDA/ANRAD application. I (we) grant authority to the Franklin Conservation Commission members and agents to go onto my (our) property solely for purposes directly related to the inspection and approval of this application and for follow-up compliance with the permit conditions.

Loren M. Maguire
Signature of Property Owner

6/5/23
Date



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

 Franklin, MA
 City/Town

A. General Information

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

147 Pond St
 a. Street Address

Franklin
 b. City/Town

02038
 c. Zip Code

Latitude and Longitude:

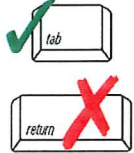
42.10° N
 d. Latitude

71.42° W
 e. Longitude

259
 f. Assessors Map/Plat Number

004-000-000
 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:

Karen
 a. First Name

Maguire
 b. Last Name

School Superintendent, Tri-County Regional Vocational Technical High School
 c. Organization

147 Pond St
 d. Mailing Address

Franklin
 e. City/Town

MA
 f. State

02038
 g. Zip Code

508-528-5400 x101
 h. Phone Number

508-528-6074
 i. Fax Number

maguire@tri-county.us
 j. Email Address

3. Property owner (if different from applicant):

Same as above
 a. First Name

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

b. Last Name

c. Organization

d. Mailing Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email Address

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

4. Representative (if any):

Stephen
 a. Contact Person First Name

Powers
 b. Contact Person Last Name

Samiotes Consultants, Inc.
 c. Organization

20 A Street
 d. Mailing Address

Framingham
 e. City/Town

MA
 f. State

01701
 g. Zip Code

508-877-6688
 h. Phone Number

i. Fax Number

SPowers@samiotes.com
 j. Email Address

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

EXEMPT
 a. Total Fee Paid

EXEMPT
 b. State Fee Paid

EXEMPT
 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

Franklin, MA
City/Town

B. Area(s) Delineated

1. Bordering Vegetated Wetland (BVW) 2,609
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:

Isolated Vegetated Wetland (IVW) 775
a. Resource Area b. Linear Feet Delineated

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.



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

Franklin, MA
City/Town

D. Fees

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:

N/A

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name



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

Franklin, MA
City/Town

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 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.

Karen M. Maguire
1. Signature of Applicant

6/5/23
2. Date

3. Signature of Property Owner (if different)

4. Date

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

8/30/23
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.



Environmental Consulting & Restoration, LLC



WETLAND DELINEATION REPORT

TO: Samiotes
FROM: Brad Holmes @ ECR, LLC
DATE: April 7, 2023
RE: Tri County Regional Vocational Technical High School, Franklin

Per your request, Environmental Consulting & Restoration, LLC (ECR) performed a wetland delineation on March 23, 2023 at the Tri County Regional Vocational Technical High School in Franklin (the site). The purpose of the delineation was to identify the landward limits of the wetland resource areas on and near the site. The site consists of a high school with typical appurtenances including pave roadways, parking, athletic fields, recreational areas as well as a solar field. The weather on March 23rd was sunny, clear and cold (approximately 45 degrees) with light wind and dry site conditions. The weather was suitable for a wetland delineation, there was no snow cover or frozen ground conditions.

Wetland Delineation

ECR located the landward limits of several Bordering (BVW) and Isolated Vegetated Wetlands (IVW) located through the site. The wetland is part of a larger wetland system located off site to the north and east. The wetlands are part of multiple systems located within various portions of the site. Some of the wetlands are isolated lowlands while others area associated with intermittent flow and stormwater collection. Wetland flags (pink & black striped ribbon) were placed at the landward limits of the wetlands as follows:

- BVW A1 to A30
- BVW B1 to B40
- IVW C1 to C12
- BVW D1 to D17
- BVW F1 to F25
- IVW G1 to G13

The “A” through “D” wetlands are located to the southwest of the school and the “G” and “F” wetlands are located within the northwestern portion of the site. Please note, ECR observed several non-jurisdictional ditches located along the solar array and the roadways through the site. These ditches appear to manage stormwater throughout the site, but are not associated with any jurisdictional wetlands.

Wetland Delineation Methodology

The BVWs and IVWs were delineated following the methodology established by the Massachusetts Department of Environmental Protection (DEP) regulations found at 310 CMR 10.55 pertaining to the delineation of Bordering Vegetated Wetlands. The delineation was performed by analyzing vegetation, hydrology within 12 inches of the surface, and soil conditions within 20 inches of the surface. The vegetated wetlands contain hydric soils, saturated soils, and dominant wetland indicator plants. One transect with two examination plots (yellow numbered plastic ribbons) was conducted in order to verify the accuracy of this wetland delineation (please refer to the DEP BVW Field Data Sheets attached).

ECR

Environmental Consulting & Restoration, LLC



As a result of ECR's field work and review of available environmental databases, ECR is able to confirm that the site contains the following wetland resource areas and areas of Conservation Commission jurisdiction:

- Bordering Vegetated Wetlands
- Isolated Vegetated Wetlands
- 100-foot buffer zone to BVW & IVW

Also, a review of the MassMapper database reveals the following:

- The site is not located within Estimated/Priority Habitat for Rare Species according to the Massachusetts Natural Heritage & Endangered Species Program (MaNHESP).
- The site does not contain Certified Vernal Pools according to the MaNHESP.
- The site does not contain U.S.G.S. mapped stream/river.
- The site is not located within an Area of Critical Environmental Concern.

Attachments

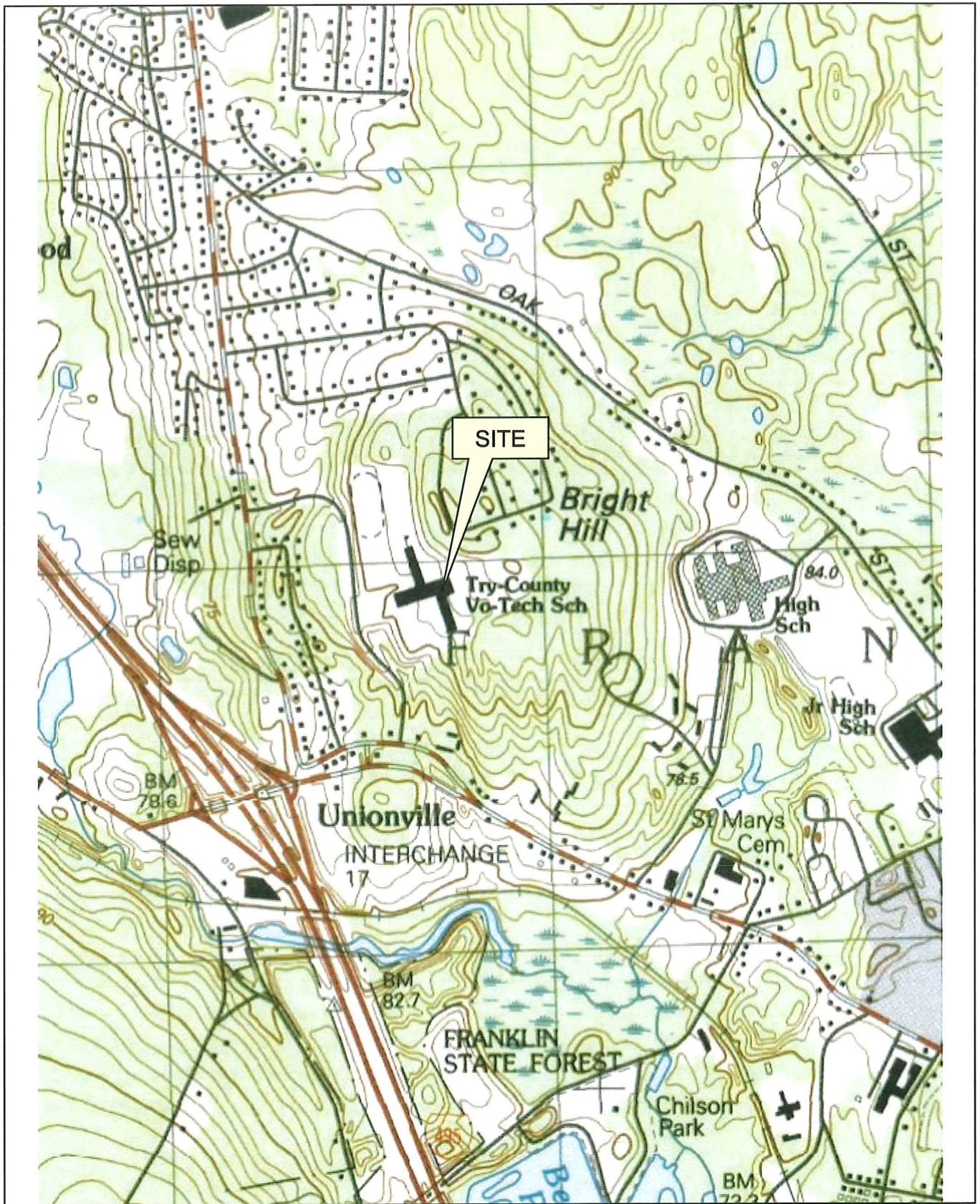
1. USGS Locus Map
2. FEMA F.I.R.M.
3. NHESP Map
4. DEP BVW Field Data Forms

Upon review of this wetland delineation report, please contact me at (617) 529 – 3792 or Brad@ecrwetlands.com with any questions or requests for additional information.

Sincerely yours,
Environmental Consulting & Restoration, LLC



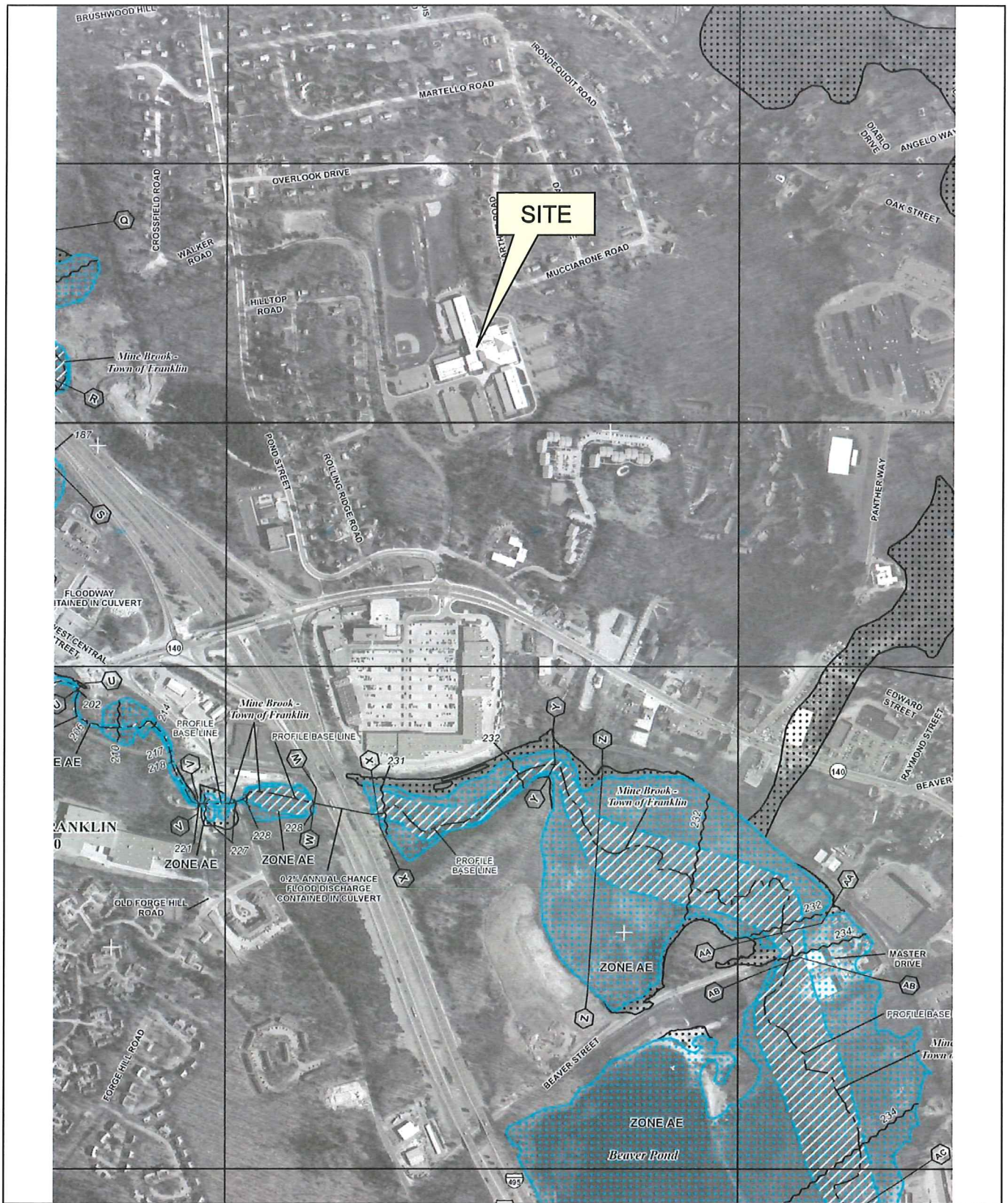
Brad Holmes, PWS, MCA
Manager



USGS SITE LOCUS MAP
Tri County Regional Vocational Technical High School
Franklin, Massachusetts

Source: MassMapper - USGS Topographic Quadrangle Images

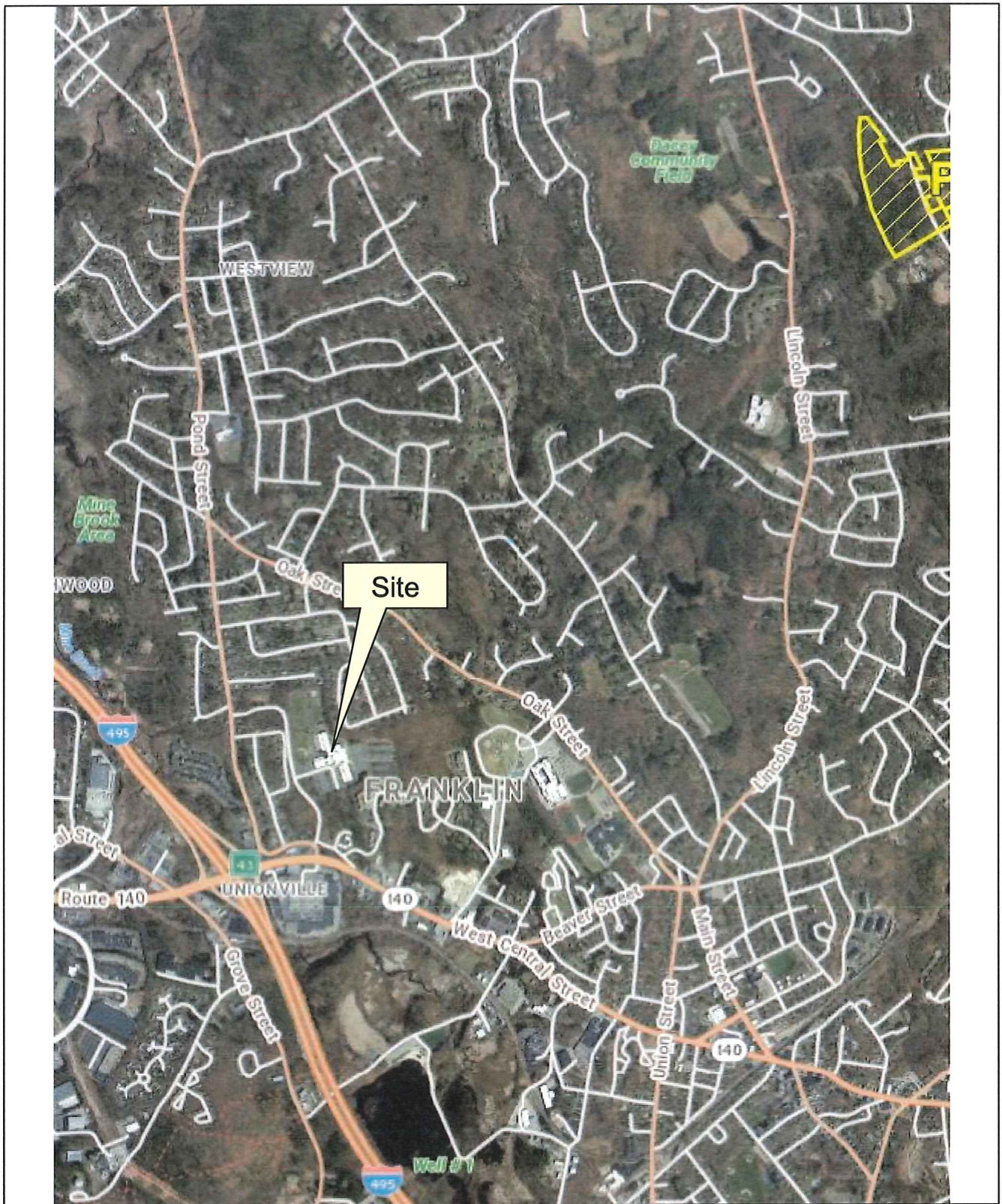




FEMA F.I.R.M
Tri County Regional Vocational Technical High School
Franklin, Massachusetts



Source: F.I.R.M. Panel 25021C0306E & 25021C0308E, Eff: 07/17/2012



**Priority Habitat of Rare Species, Estimated Habitat of Rare Wildlife
& Certified Vernal Pool Map
Tri County Regional Vocational Technical High School
Franklin, Massachusetts**



Source: MassMapper - 15th Edition of the Massachusetts Natural Heritage Atlas

Check all that apply:
 Vegetation alone presumed adequate to delineate BVW boundary; fill out Section I only
 Vegetation and other indications of hydrology used to delineate BVW boundary; fill out sections I and II
 Method other than dominance test used (attach additional information)

Section I. Vegetation		Transect A		Date: 3/23/23		Plot 1			
A. Sample Layer and Plant Species		B. Basal Area (or percent cover)		C. Percent Dominance		D. Dominant Plant		Wetland Indicator Status	
Trees	Black Birch Black Oak White Oak	<i>Betula lenta</i> <i>Quercus virginiana</i> <i>Quercus alba</i>	16, 10, 5, 6 = 323.7 26 = 496.6 5, 6 = 48.3 Total = 868.6	37.3% 57.2% 5.6%	Yes Yes No	FACU- FACU FACU			
Saplings	Black Birch American Beech	<i>Betula lenta</i> <i>Fagus grandifolia</i>	30.0% 5.0%	85.7% 14.3%	Yes No	FACU- FACU			
Shrubs	Witch Hazel	<i>Hammamelis virginiana</i>	10.0%	100.0%	Yes	FACU-			
Herbaceous	None								
Vines	None								
<p>* Use an asterisk to mark wetland indicator plants; plant species listed in the Wetlands Protection Act (MGL c. 131, s. 40); plants in the genus <i>Sphagnum</i>; plants listed as FAC, FAC+, FACW, FACW+, FACWV, FACWV+, or OBL, or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk. ** Use to identify plants that are acting as Hydrophytes (buttriss roots, adventitious buds, etc.)</p>									
Vegetation Conclusion		Number of dominant wetland indicator plants: 0							
Number of dominant wetland indicator plants:		0							
Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
<p>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.</p>									
Section II. Indicators of Hydrology		Hydric Soil Interpretation							
1. Soil Survey		Is there a published soil survey for this site? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> title/date: http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx map number: Mass Mapper soil type map: Upland land, Montauk, Hollis & Chariton hydric soil inclusions: No							
2. Soil Description		Are field observations consistent with soil survey? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Remarks:							
3. Other		Is soil hydric? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> SAMPLE PLOT IS IN A BVW Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
Other Indicators of Hydrology (check all that apply)		Site inundated? No Depth to free water in observation hole: None Depth to soil saturation in observation hole: 12" Water lines: Yes Drift Marks: No Sediment Deposits: Yes Drainage Patterns in BVW: Yes Oxidized Rhizospheres: No Water Stained Leaves: Yes Recorded data (stream, tidal gauge, aerial photo; other)							
Other:		Plot is in wetland below wetland flag #A1							
Evidence of flooding		Number of wetland plants > than number of non-wetland plants? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland hydrology present: hydric soil <input checked="" type="checkbox"/> No <input type="checkbox"/> other indicators <input checked="" type="checkbox"/> No <input type="checkbox"/>							

Check all that apply:
 Vegetation alone presumed adequate to delineate BWV boundary; fill out Section I only
 Vegetation and other indications of hydrology used to delineate BWV boundary; fill out sections I and II
 Method other than dominance test used (attach additional information)

Section I. Vegetation		Plot 2	Date: 3/23/23	Wetland Indicator Status	
A. Sample Layer and Plant Species		B. Basal Area (or percent cover)	C. Percent Dominance	D. Dominant Plant	Wetland Indicator Status
Trees	Black Oak White Pine Swamp Tupelo Norway Maple Black Birch Shagbark Hickory	22,12,30,16= 1395.8 34,12= 926.7 5,5= 39.2 6= 28.7 5,5= 39.2 5,6= 48.3 Total = 2477.9	56.3% 37.4% 1.6% 1.2% 1.6% 1.9%	Yes Yes No No No No	FACU FACU FACW+ UPL FACU- FACU
Saplings	White Pine Shagbark Hickory	10.0% 10.0%	50.0% 50.0%	Yes Yes	FACU FACU
Shrubs	Witch Hazel Hamamelis virginiana	15.0%	100.0%	Yes	FAC-
Herbaceous	Pennsylvania Sedge Carex pensylvanica	20.0%	100.0%	Yes	FAC
Vines	Bittersweet Celastrus scandens	10.0%	100.0%	Yes	FACU-

** Use to identify plants that are acting as Hydrophytes (buttress roots, adventitious buds, etc.)

Vegetation Conclusion

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

If vegetation alone is presumed adequate to delineate the BWV 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: http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

map number: Mass Mapper

soil type map: Upland land, Montauk, Hollis & Charlton

hydric soil inclusions: No

Are field observations consistent with soil survey? Yes No

Remarks:

2. Soil Description		Redoximorphic Features	
Horizon	Depth	Matrix	Texture
O	1"-0		Fibric
A	0-2"	10YR3/2	Organic
B	2"-4"	10YR4/2	
	4"-12"	10YR5/6	Refusal at 12"

Other Indicators of Hydrology (check all that apply)

Site inundated? No

Depth to free water in observation hole: None

Depth to soil saturation in observation hole: None

Water lines: No

Drift Marks: No

Sediment Deposits: No

Drainage Patterns in BWV: No

Oxidized Rhizospheres: No

Water Stained Leaves: No

Recorded data (stream, tidal gauge; aerial photo; other)

Other: Plot is in upland above wetland flag #A1

Number of wetland plants > than number of non-wetland plants? Yes No

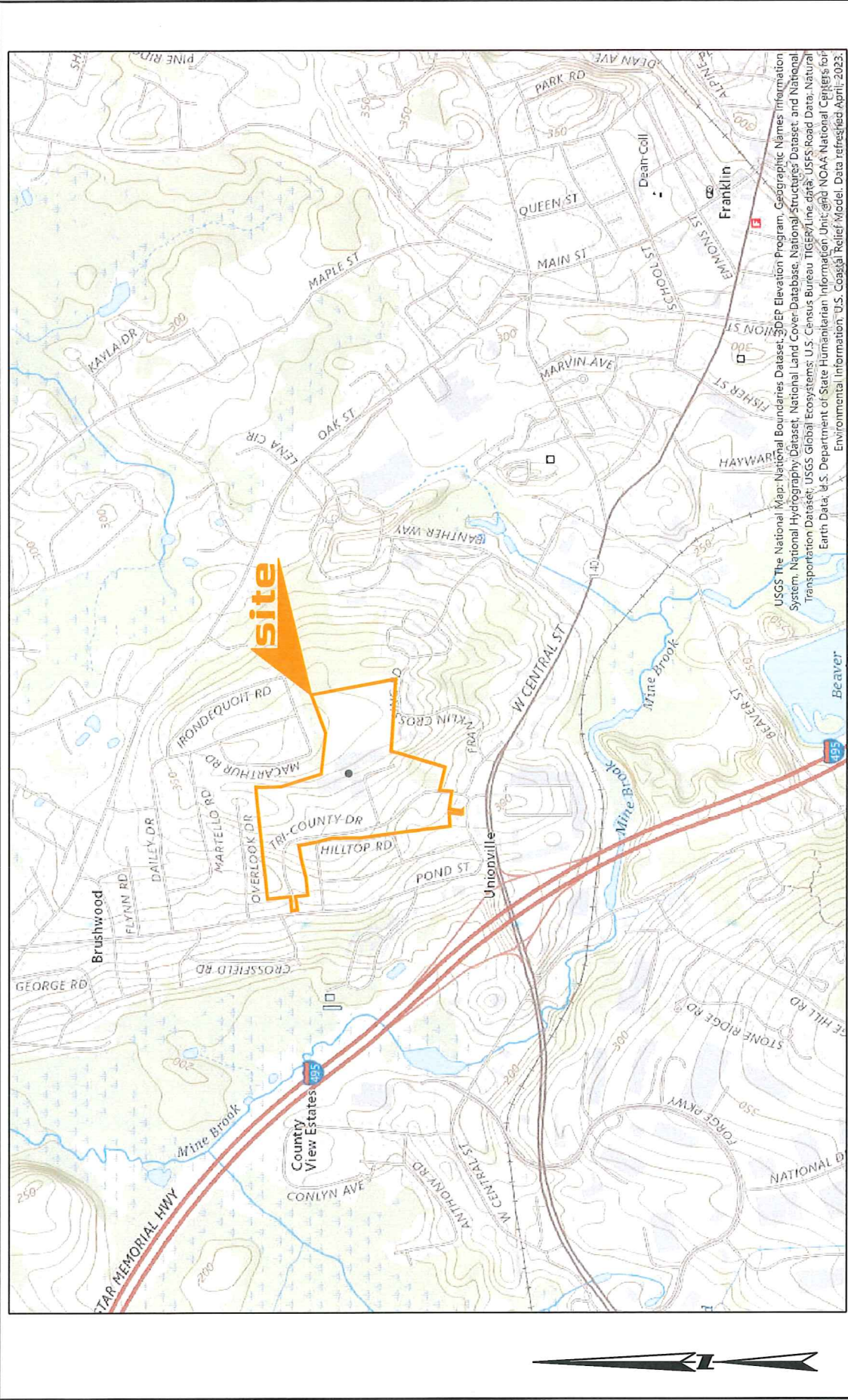
Wetland hydrology present:
 hydric soil Yes No
 other indicators Yes No

SAMPLE PLOT IS IN A BWV YES NO

3. Other

Is soil hydric? Yes No





Samiotes Consultants Inc.
 Civil Engineers + Land Surveyors
 20 A Street
 Framingham, MA 01701
 T 508.877.6688
 F 508.877.8349
 www.samiotes.com

Project: **TRI-COUNTY REGIONAL VOCATIONAL TECHNICAL HIGH SCHOOL**
 Title: **USGS MAP**

Job #: **52033.00**
 Drawn by: **AH**
 Scale: **NTS**
 Date: **06/05/2023**

Sketch No. **SKCE-001**
 Reference Drawing **-**