

ABBREVIATED NOTICE OF RESOURCE AREA DELINEATION

**151 Plympton Road
Sudbury, MASSACHUSETTS**

Prepared for:
Hercules Haseotes
151 Plympton Road
Sudbury, MA 01776

Prepared by:
Metrowest Engineering, Inc.
75 Franklin Street
Framingham, MA 01702
508-626-0063

November, 2019

ABBREVIATED NOTICE OF RESOURCE AREA DELINEATION

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- **WPA Form 4A**
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- **Affidavit of Service, Abutter List & Abutter Notification**
- **Copy of Payment**
- **Wetland Delineation Report**
- **Existing Conditions Site Plan**

LOCUS MAP & USGS TOPOGRAPHIC MAP

WPA FORM 4A



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Provided by MassDEP:

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

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

MassDEP File Number

Document Transaction Number

Sudbury
City/Town

A. General Information

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

151 Plympton Road

a. Street Address

Sudbury

b. City/Town

01776

c. Zip Code

Latitude and Longitude:

42°23'06"N

d. Latitude

71°24'08"W

e. Longitude

G10

f. Assessors Map/Plat Number

0151

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:

Hercules

a. First Name

Haseotes

b. Last Name

c. Organization

151 Plympton Road

d. Mailing Address

Sudbury

e. City/Town

MA

f. State

01776

g. Zip Code

hhaseotes@gmail.com

j. Email Address

h. Phone Number

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

151 Plympton Road Realty Trust

c. Organization

151 Plympton Road

d. Mailing Address

Sudbury

e. City/Town

MA

f. State

01776

g. Zip Code

h. Phone Number

i. Fax Number

j. Email Address

4. Representative (if any):

Robert

a. Contact Person First Name

Gemma

b. Contact Person Last Name

MetroWest Engineering, Inc.

c. Organization

75 Franklin Street

d. Mailing Address

Framingham

e. City/Town

MA

f. State

01702

g. Zip Code

508-626-0063

h. Phone Number

508-875-6440

i. Fax Number

rgemma@mwengineering.com

j. Email Address

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

\$200.00

a. Total Fee Paid

\$87.50

b. State Fee Paid

\$112.50

c. City/Town Fee Paid

Fees will be calculated for online users.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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B. Area(s) Delineated

1. Bordering Vegetated Wetland (BVW) 376' of Isolated B.V.W. Flag's 1-12 (Not entire wetlands on-site)
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:

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

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Sudbury
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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:

#17427

2. Municipal Check Number

11/27/2019

3. Check date

#17426

4. State Check Number

11/27/2019

5. Check date

Brookes + Hill Custom Builders, Inc.

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

Sudbury
City/Town

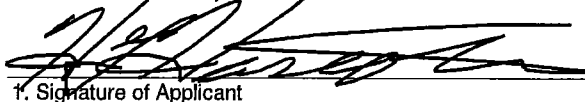
E. Signatures

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.



1. Signature of Applicant

11.26.19

2. Date

151 Plympton Road Realty Trust

11.26.19

3. Signature of Property Owner (if different)

4. Date



11.26.19

5. Signature of Representative (if any)

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.

WETLAND FEE TRANSMITTAL FORM



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:

151 Plympton Road

a. Street Address

Sudbury

b. City/Town

\$87.50

c. Fee amount

#17426

d. Check number

2. Applicant:

Hercules

a. First Name

Haseotes

b. Last Name

c. Company

151 Plympton Road

d. Mailing Address

Sudbury

e. City/Town

MA

f. State

01776

g. Zip Code

h. Phone Number

3. Property Owner (if different):

151 Plympton Road Realty Trust

a. First Name

b. Last Name

c. Company

151 Sudbury Road

d. Mailing Address

Sudbury

e. City/Town

MA

f. State

01702

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 checked="" type="checkbox"/> single family house project	376	\$752.00	\$200.00
	a. feet of BVW	x \$2.00 =	b. Fee for BVW
2. <input type="checkbox"/> all other projects			
	a. feet of BVW	x \$2.00 =	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 type="checkbox"/> all other projects			
	a. linear feet	x \$2.00 =	b. Fee

Total Fee for all Resource Areas:

State share of filing fee:

City/Town share of filing fee:

\$200.00
Fee
\$87.50
5. 1/2 of total fee less \$12.50
\$112.50
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

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.)

**AFFIDAVIT OF SERVICE, ABUTTER LIST, &
ABUTTER NOTIFICATION**

**AFFIDAVIT OF SERVICE
UNDER THE MASSACHUSETTS WETLANDS PROTECTION ACT**

I, **Heather Peloquin**, of Metrowest Engineering, Inc., hereby certify under the pains and penalties of perjury that on **December 2, 2019**, I gave notification to abutters within 100 feet of the proposed project in compliance with the second paragraph of the Massachusetts General Laws, Chapter 131, Section 40 and the DEP Guide to Abutter Notification dated April 8, 1994, in connection with the following matter:

An Abbreviated Notice of Resource Area Delineation application was filed under the Massachusetts Wetlands Protection Act, by **Hercules Haseotes** with the Sudbury Conservation Commission on **11/27/2019**, for the property located at **151 Plympton Road, Sudbury MA**.

The form of the notification and the list of the abutters to whom it was given and their addresses are attached to this Affidavit of Service.

Signature



Date

12/2/19

Abutters List[print this list](#)

Date: November 21, 2019

Subject Property Address: 151-2 PLYMPTON RD Sudbury, MA
Subject Property ID: G10-0501

Subject Property Address: 151 PLYMPTON RD Sudbury, MA
Subject Property ID: G10-0501

Search Distance: 100 Feet

Prop ID: G10-0012
Prop Location: 26 CANDY HILL LN Sudbury, MA
Owner: BARRY MARK J & ALYSSA M
Co-Owner:
Mailing Address:

26 CANDY HILL LN
SUDBURY, MA 01776

Prop ID: G10-0013
Prop Location: 18 CANDY HILL LN Sudbury, MA
Owner: BERKEL PETER A & EILEEN
Co-Owner:
Mailing Address:
18 CANDY HILL LN
SUDBURY, MA 01776

Prop ID: G10-0017
Prop Location: 111 PLYMPTON RD Sudbury, MA
Owner: DIONISI ROBERT F & ANN MARIE
Co-Owner:
Mailing Address:
111 PLYMPTON ROAD
P O BOX 804
SUDBURY, MA 01776

Prop ID: G10-0021
Prop Location: 135 PLYMPTON RD Sudbury, MA
Owner: HEJDUK FRANKLIN G III &
Co-Owner: HEJDUK HEATHER J
Mailing Address:

135 PLYMPTON ROAD
SUDBURY, MA 01776

Prop ID: G10-0022
Prop Location: 125 PLYMPTON RD Sudbury, MA
Owner: SMIGLER SCOT & THERIAULT
Co-Owner: SHANNA
Mailing Address:
125 PLYMPTON RD
SUDBURY, MA 01776

Prop ID: G10-0119
Prop Location: 136 PLYMPTON RD Sudbury, MA
Owner: BRADFORD JILL L & DANIEL P.
Co-Owner:
Mailing Address:
136 PLYMPTON ROAD
SUDBURY, MA 01776

Prop ID: G10-0400
Prop Location: PLYMPTON RD Sudbury, MA
Owner: SUDBURY VALLEY TRUSTEES INC
Co-Owner:
Mailing Address:
18 WOLBACH RD
SUDBURY, MA 01776

Prop ID: G10-0500
Prop Location: 161-2 PLYMPTON RD Sudbury, MA
Owner: SLUDER GREENFIELD & PATRICIA M
Co-Owner:
Mailing Address:
161 PLYMPTON RD
SUDBURY, MA 01776

Prop ID: G10-0500
Prop Location: 161 PLYMPTON RD Sudbury, MA
Owner: SLUDER GREENFIELD & PATRICIA M

Co-Owner:
Mailing Address:
161 PLYMPTON RD
SUDBURY, MA 01776

Prop ID: G10-0502
Prop Location: 42 CANDY HILL LN Sudbury, MA
Owner: CROWLEY TIMOTHY J & MARIANNA P
Co-Owner:
Mailing Address:
42 CANDY HILL LN
SUDBURY, MA 01776

Prop ID: G10-0504
Prop Location: PLYMPTON RD Sudbury, MA
Owner: SLUDER GREENFIELD & PATRICIA M
Co-Owner:
Mailing Address:
161 PLYMPTON RD
SUDBURY, MA 01776

Prop ID: G10-0505
Prop Location: 34 CANDY HILL LN Sudbury, MA
Owner: GRISCO TODD & LYNN
Co-Owner:
Mailing Address:
34 CANDY HILL LN
SUDBURY, MA 01776

Prop ID: G11-0200
Prop Location: PLYMPTON RD Sudbury, MA
Owner: TOWN OF SUDBURY
Co-Owner: CONSERVATION
Mailing Address:
278 OLD SUDBURY RD
SUDBURY, MA 01776

Prop ID: H10-0400
Prop Location: RICE RD Sudbury, MA

Owner: TOWN OF SUDBURY

Co-Owner:

Mailing Address:

278 OLD SUDBURY RD

SUDBURY, MA 01776

**NOTIFICATION TO ABUTTERS
OF A PUBLIC HEARING
UNDER THE MASSACHUSETTS WETLANDS PROTECTION ACT**

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, you are hereby notified of the following.

The Applicant: Hercules Haseotes
Address: 151 Plympton Road, Sudbury, MA Phone: _____

has filed an Abbreviated Notice of Resource Area Delineation with the Sudbury Conservation Commission seeking to confirm the delineation of Boarding Vegetated Wetlands (BVW) and any other resource area boundaries located on the property of 151 Plympton Road, Sudbury, MA, pursuant to the Wetlands Protection Act. (General Laws Chapter 131, Section 40)

Applicant's Representative: MetroWest Engineering, Inc.
Address 75 Franklin Street – Framingham MA 01702 Phone: (508) 626-0063

Town Atlas Plate Map G10, Lot 0151

Project Description: Confirmation of the delineation of the Bordering Vegetated Wetlands (BVW) on the property.

Copies of the Abbreviated Notice of Resource Area Delineation may be examined at the Conservation Commission Office at Sudbury D.P.W. building between the hours of 9:00 a.m. and 3:00 p.m. Monday through Thursday and between the hours of 10:00 a.m. and 2:00 p.m. on Friday.

For more information please call the **Conservation Office at (978) 440-5471.**

Copies of the Abbreviated Notice of Resource Area Delineation may be obtained at the Applicant's Representative Office at 75 Franklin Street, Framingham, MA 01702 between the hours of 9:00 a.m. and 4:00p.m. Monday through Friday. For more information please call **MetroWest Engineering at 508-626-0063.**

The notice of the public hearing, including its date, time, and place, will be published at least four (4) days in advance in **The MetroWest Daily News** (at the applicant's expense).

**The Public Hearing will be held on, December 16, 2019 @ 6:45 pm. in the Conference Room
at the Sudbury D.P.W. Facility, 275 Old Lancaster Road, Sudbury MA**

NOTE: You may also contact your local Conservation Commission or the nearest Department of Environmental Protection Regional Office for more information about this application or, the Wetlands Protection Act. Sudbury is in the Northeast Region. To contact DEP, Call:

Central Region: 508 792-7650
Southeast Region: 508 946-2800

Northeast Region: (978) 694-3200
Western Region: 413 784-1100

WETLAND DELINEATION REPORT



Wetland Resource Area Delineation Report

151 Plympton Road,
Sudbury, MA

for

Hercules Haseotes

November 25, 2019

General Description

151 Plympton Road is a single-family residence covering approximately 24.2 acres in Sudbury, MA. The parcel has been improved with a house, carriagehouse, tennis court, and asphalt driveway. All improvements, except the drive, are found in the center of the parcel. The remainder of the lot is undeveloped. Two large maintained hay fields are found in the front of the lot. The asphalt driveway splits these two fields. West and south of the house area is forested. The general topography of the site consists of rolling hills and flat open spaces.

The property is bounded by Plympton Road and Brues Woods conservation area to the north and the Piper Hill Conservation Area to the south. Both of these conservation areas contain extensive forestland. East and west of the site are single-family residences.

Several wetland resource areas are found to impact the site. One bordering vegetated wetlands (BVW) and one isolated wetland is found on the property. The isolated wetland is found along the northerly property line shared with 161 Plympton Road. This is a lowland hardwood forest depressed area. The BVW is a large lowland hardwood forest that borders on an intermittent stream channel found along the southerly lot line. Additionally, Natural Heritage and Endangered Species Program (NHESP) certified vernal pool #1420 is found in the southerly portion of the site. Offsite to the north, in Brues Woods, a second BVW is found. The 100-Foot Wetland Buffer Zone for this offsite wetland extends onto the subject parcel. For the purposes of this report, only one resource area, the isolated wetland found along the northerly property line at the angle point was delineated.

This isolated wetland is a lowland hardwood forest that follows the bottom of slope of several hillsides that come together along the northwesterly property line. The wetland begins offsite to the north and west, no known connection to another wetland resource area exists. A distinct vegetation change occurs at the break in slope. Upland white pine and red oak give way to lowland red maple, sensitive fern, and royal fern. The wetland is the easternmost portion of a larger lowland hardwood forest that continues off site to the north and west.

The wetland carries flow along the property boundary between 151 and 161 Plympton Road. The wetland area begins on 161 Plympton and crosses over the boundary onto the locus. The wetland forms a narrow band of lowland hardwoods. The lowlands are bounded by a mixed pine/hardwood forest on 151 Plympton and a mown grass field on 161 Plympton. The wetland carries flow to the east along the property line. It continues to narrow and enters a depressed area found entirely on 161 Plympton. A slight rise occurs at the eastern end of the depression and the wetland ends here. Continuing to the east, the vegetation changes to typical upland "edge" habitat before entering one of the mown hay fields. Upland hay grasses cover this portion of the lot, with occasional rushes scattered throughout. Soil sampling in this area did not indicate hydric soils. Soils and vegetation analysis will be explained in the "Plot Summaries" section of this report.

Methods

Methodology described by in the Wetlands Protection Act and its Regulations were utilized to determine the limits of the wetland resource area. The wetland boundary was delineated using consecutively numbered pink surveyor's flagging. Field data was collected according to Appendix G of *Delineating Bordering Vegetated Wetlands under the Massachusetts Wetlands Protection Act*. Complete MADEP field data sheets are attached to this report.

Plot Summaries

Plot 1

Plot is found in the low point of the field, approximately 30-feet from the edge of the woods. Plot is located in a transitional area. Due to active haying as active fields, only groundcover species are found in the plot. Plot is entirely covered in various unidentified grasses. Occasional rushes are also found in the plot. Vegetation is not considered diagnostic for this area. Soil sampling indicated bright soils. Plot does not fall in a wetland.

Plot 2

Plot is located in edge shrub region along western property line. Only sensitive fern (*Onoclea sensibilis*) and Canada goldenrod (*Solidago canadensis*) were found to be dominant in the groundcover layer. Glossy buckthorn (*Frangula alnus*), multiflora rose (*Rosa multiflora*), and forsythia (*Forsythia* sp.) are the dominant shrub species. Red maple (*Acer rubrum*) and red oak (*Quercus rubra*) saplings were dominant. White ash (*Fraxinus pennsylvanica*) and white pine (*Pinus strobus*) trees were found to be dominant. Oriental bittersweet (*Celastrus orbiculatus*) is the sole dominant vine. Upland plants outnumber wetland indicator plants 7 to 3 in this plot. Plot does not fall in a wetland area.

Plot 3

Plot is found in a depressed area slightly west of the field edge and property line. Sensitive fern and reed canarygrass (*Phalaris arundinacea*) are the dominant groundcover species identified in the plot. Glossy buckthorn and burningbush (*Euonymus atropurpureous*) are the dominant shrub species. Red maple is the lone sapling found in the plot. Red maple, white pine, and white ash are dominant trees. Wetland indicator species outnumber upland plants 5 to 3 in the plot. Plot does fall in a wetland.

Plot 4

Plot is located in pine forest south of the property line. Royal fern (*Osmunda regalis*) and hay-scented fern (*Dennstaedtia punctilobula*) were found to be dominant in the groundcover layer. Glossy buckthorn and burningbush are the dominant shrub species. Red oak and white pine saplings were found to be dominant. Red oak, white pine and red maple are the dominant trees. Upland plants outnumber wetland plants 6 to 3 in this plot.

Casual soil sampling in the area also indicated "bright" upland soils. Plot does not fall in a wetland area.

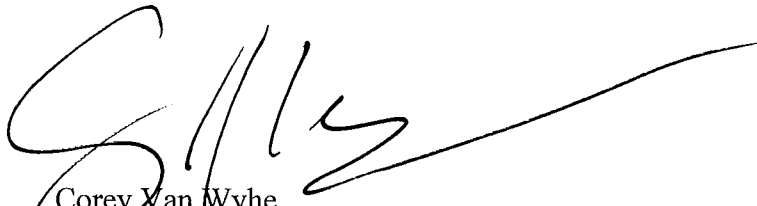
Plot 5

Plot is found on a slight downslope at the northerly property line. Plot is located in lowland hardwood forest. Cinnamon fern (*Osmunda cinnamomea*) is the lone dominant groundcover species identified in the plot. Glossy buckthorn is the sole dominant shrub species. Red maple and red oak are the only saplings found in the plot. Red maple and white pine are dominant trees. Wetland species outnumber upland species 4 to 2 in the plot. Casual soil sampling indicated hydric soils. Plot is in a wetland.

Summary

This report describes the status of a portion of the wetland resource areas located at 151 Plympton Road, Sudbury, MA. This report reflects delineation according to 310 CMR10.55 as determined November 20, 2019. One isolated vegetated wetland is found to impact the proposed work area on the site. Several other wetland resource areas are found on the large property. None of these other wetland resource areas are found to impact this portion of the site and, therefore, none are delineated for this report.

Respectfully submitted,



Corey Van Wyhe
Metrowest Engineering, Inc

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? X yes ☐ no

Title/date: Web Soil Survey

Map number:

Soil type mapped: 254A Merrimac fine sandy loam

Hydric soil inclusions:

Are field observations consistent with soil survey? ☒ yes ☐ no

Remarks:

Site has been altered through haying

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A	0-10"	10YR 4/3	
B	10"+	7.5YR 5/6	

Remarks:

No evidence of hydrology found. Plot taken at junction of bottom of slopes from rolling hillsides in field.

3. Other:

Conclusion: Is soil hydric? ☐ yes x 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):

Vegetation and Hydrology Conclusion

Is the number of wetland indicator plants \geq the number of non-wetland indicator plants?

Yes ☐ No ☒

Wetland hydrology present:
Hydric soil present

☐ ☒

Other indicators of hydrology Present

☐ ☒

Sample location is in a BVW

☐ ☒

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: MetroWest Engineering, Inc. Prepared by: Corey Van Wyhe Project Location: DEP file#: 151 Plympton Rd., Sudbury

Check all that apply:

- ☒ Vegetation alone presumed adequate to delineate BWV boundary: fill out section I only
☐ Vegetation and other indicators 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 Observation Plot Number: 2 Transect Number: Date of Delineation: 11/20/2019

A. Sample Layer and Plant Species **B. Percent Cover** **C. Percent** **D. Dominant Plant** **E. Wetland**
 (or basal area) **Dominance** **(yes or no)** **Indicator**

Common Name	Scientific Name	Percent Cover (or basal area)	Percent Dominance	Dominant Plant (yes or no)	Wetland Indicator Category
Groundcover					
Canada Goldenrod	<i>Solidago canadensis</i>	25	71		FACU
Sensitive Fern	<i>Onoclea sensibilis</i>	10	29		FACW*
Shrub					
Multiflora Rose	<i>Rosa multiflora</i>	30	38	Y	FACU
Glossy Buckthorn	<i>Frangula alnus</i>	30	38	Y	FAC*
Forsythia	<i>Forsythia</i> sp.	20	25	Y	
Sapling					
Red Maple	<i>Acer rubrum</i>	10	50	Y	FAC*
Red Oak	<i>Quercus rubra</i>	10	50	Y	FACU
Tree					
Red Oak	<i>Quercus rubra</i>	0.2	9	N	
White Ash	<i>Fraxinus americana</i>	0.5	21	Y	FACU
Red Maple	<i>Acer rubrum</i>	0.3	15	N	
White Pine	<i>Pinus strobus</i>	1.2	47	Y	FACU
American Elm	<i>Ulmus americana</i>	0.2	9	N	
Vine					
Oriental Bittersweet	<i>Celastrus orbiculatus</i>	25	100	Y	UPL

* 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 *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 or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation Conclusion:

Number of dominant wetland indicator plants: 3 Number of dominant non-wetland indicator plants: 7

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 BWV boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

Applicant: MetroWest Engineering, Inc. Prepared by: Corey Van Wyhe Project Location: DEP file#: 151 Plympton Rd., Sudbury

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)

* 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 *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 or morphological adaptations, describe the adaptation next to the asterisk.

Number of dominant wetland indicator plants: 5 Number of dominant non-wetland indicator plants: 3

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.

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

Applicant: MetroWest Engineering, Inc. Prepared by: Corey Van Wyhe Project Location: DEP file#: 151 Plympton Rd., Sudbury

Check all that apply:

- ☒ Vegetation alone presumed adequate to delineate BWV boundary: fill out section I only
☐ Vegetation and other indicators 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

Observation Plot Number: 4 Transect Number: Date of Delineation: 11/20/2019

A. Sample Layer and Plant Species

B. Percent Cover (or basal area) C. Percent Dominance D. Dominant Plant (yes or no) E. Wetland Indicator Category

Common Name	Scientific Name	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category
Groundcover					
Hay-scented Fern	<i>Dennstaedtia punctilobula</i>	25	71	Y	UPL
Royal Fern	<i>Osmunda regalis</i>	10	29	Y	OBL*
Shrub					
Glossy Buckthorn	<i>Frangula alnus</i>	30	75	Y	FAC*
Burningbush	<i>Euonymus atropurpureus</i>	10	25	Y	FACU
Sapling					
Red Oak	<i>Quercus rubra</i>	10	33	Y	FACU
White Pine	<i>Pinus strobus</i>	20	67	Y	FACU
Tree					
Red Maple	<i>Acer rubrum</i>	0.9	21	Y	FAC*
Red Oak	<i>Quercus rubra</i>	1.0	23	Y	FACU
White Pine	<i>Pinus strobus</i>	2.5	57	Y	FACU

* 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 *Sparganium*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, 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.

Vegetation Conclusion:

Number of dominant wetland indicator plants: 3 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? ☐ Yes ☒ 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.

Applicant: MetroWest Engineering, Inc. Prepared by: Corey Van Wyhe Project Location: DEP file#: 151 Plympton Rd., Sudbury

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)

* 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 *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 or morphological adaptations, describe the adaptation next to the asterisk.

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 B/W boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

COPY OF PAYMENT

EXISTING CONDITIONS SITE PLAN

LEGEND

BIT.	BITUMINOUS
CCB	CAPE COD BERM
CONC.	CONCRETE
EXIST.	EXISTING
E.M.	ELECTRIC METER
G.M.	GAS METER
G.G.	GAS GATE
W.G.	WATER GATE
HYD.	HYDRANT
N/F	NOW OR FORMERLY
(F)	FOUND
I.P.	IRON PIN
I.R.	IRON ROD
C.B.	CONCRETE BOUND
D.H.	DRILL HOLE
S.B.	STONE BOUND
OHW	OVERHEAD WIRE
W/	WITH
WF	WETLAND AREA
UP#	WETLAND FLAG
+100.0	UTILITY POLE
100	EXISTING SPOT GRADE
---	EXISTING GRADING
---	STONEWALL
---	GASLINE
---	TREELINE
PH	PERC HOLE

ZONING:

RESIDENCE - "C-RES"

MINIMUM LOT AREA= 60,000 SQUARE FEET
MINIMUM FRONTAGE= 210 FEET
SETBACKS:
FRONT LOT LINE= 40 FEET
SIDE YARD= 20 FEET
REAR YARD= 30 FEET
MAXIMUM HEIGHT= 35 FEET/2½ STORIES
MAXIMUM LOT COVERAGE= 40%

TREE LEGEND

CODE	DESCRIPTION
AE	AMERICAN ELM
LI	LINDEN
NS	NORWAY SPRUCE
PO	PIN OAK
RM	RED MAPLE
SM	SUGAR MAPLE
WS	WHITE SPRUCE

TREE LOCATION
TREE CODE TREE DIAMETER



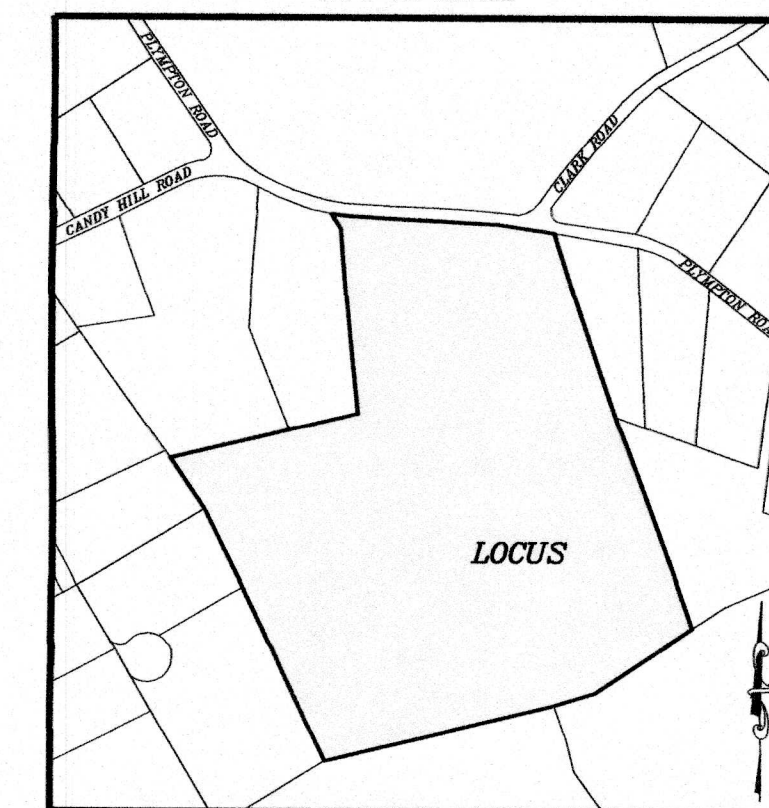
PLAN 67 OF 1993

MAP G10, LOT 0500
#161 PLYMPTON ROAD
N/F
GREENFIELD SLUDER
DEED BOOK 21798, PAGE 388

LOT 1A
1,052,157± S.F.
24.154± ACRES

LOCUS PLAN

NOT TO SCALE



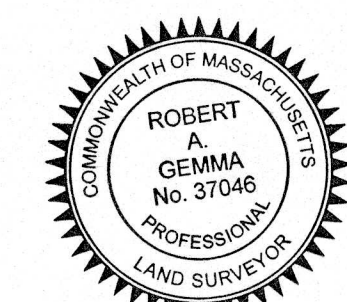
NOTES:

- SUBJECT PARCEL IS SHOWN AS ASSESSORS MAP G10, LOT 0501. RECORD TITLE FROM DEED BOOK 73597 PAGE 551.
- UTILITY LOCATIONS DEPICTED ON THIS PLAN, BOTH ABOVE- AND BELOW-GROUND, ARE BASED UPON DIRECT FIELD OBSERVATIONS MADE BY METROWEST ENGINEERING, INC. PERSONNEL DURING A FIELD SURVEY. RECORD PLAN LOCATIONS, OR DIGSAFE PAINT-INDICATORS. METROWEST ENGINEERING, INC. DOES NOT WARRANT THAT ALL UTILITIES ARE SHOWN OR THAT UTILITIES THAT ARE DEPICTED ARE SHOWN IN THE CORRECT LOCATION, OR WITH THE PROPER MATERIAL DESIGNATION. METROWEST ENGINEERING, INC. DOES NOT WARRANT OR PROVIDE AN EXPRESS OR IMPLIED WARRANTY THAT ALL SUBSURFACE IMPROVEMENTS ARE SHOWN OR ARE SHOWN CORRECTLY, INCLUDING, BUT NOT LIMITED TO, UTILITIES, UNDERGROUND VAULTS, UNDERGROUND TANKS OR CHAMBERS, BUNKERS, DUCT BANKS, AND/OR OTHER MAN-MADE IMPROVEMENTS THAT LIE BENEATH THE GROUND SURFACE AT THE TIME OF THE SURVEY.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR ESTABLISHING EXISTING LOCATIONS OF ALL SUB-SURFACE UTILITIES AND MAN-MADE IMPROVEMENTS AND FOR THE REQUIREMENTS TO REPLACE, RELOCATE OR REPAIR EXISTING UTILITIES IN THE EVENT OF DAMAGE OCCURRING DURING CONSTRUCTION. MWE IS NOT RESPONSIBLE OR LIABLE FOR DELAYS OR COSTS ASSOCIATED WITH REMOVING/REPLACING/RELOCATING OF EXISTING UTILITIES REGARDLESS OF WHETHER SAID UTILITIES ARE ACCURATELY DEPICTED ON THIS SURVEY.
- THE PROPERTY DESCRIBED ON THIS SURVEY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY; THE PROPERTY LIES WITHIN ZONE "X" OF THE FLOOD INSURANCE RATE MAP IDENTIFIED AS MAP NUMBER 25017C0369F, BEARING AN EFFECTIVE DATE OF JULY 7, 2014.
- LOCATIONS OF EXISTING HOUSE, DRIVEWAY, UTILITIES AND PORTIONS OF BORDERING VEGETATED WETLANDS DEPICTED ON THIS SKETCH WERE SKETCHED-IN FROM A PLOT PLAN BY SULLIVAN, CONNORS & ASSOCIATES, DATED SEPTEMBER 13, 2019.
- DATUM USED FOR TOPOGRAPHIC PORTION OF EXISTING CONDITIONS IS ASSUMED.



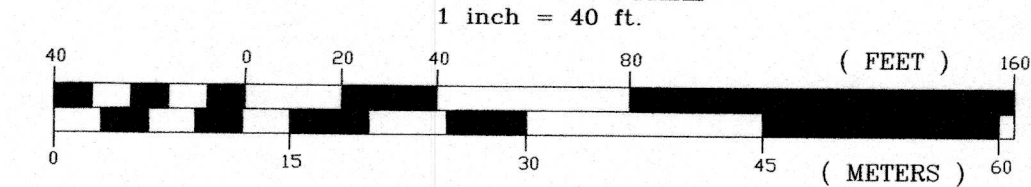
CONTRACTOR TO VERIFY ACTUAL LOCATION OF EXISTING UTILITY SERVICES IN THE FIELD PRIOR TO CONSTRUCTION (WATER, ELECTRICAL, ETC.) CALL DIG-SAFE BEFORE YOU DIG 811.

MAP G10, LOT 0021
#135 PLYMPTON ROAD
N/F
FRANKLIN HEJDUK
L.C. BOOK 1528, PAGE 69



Robert A. Gemma
FOR METROWEST ENGINEERING, INC. DATE
ROBERT A. GEMMA, P.L.S. # 37046

GRAPHIC SCALE



EXISTING CONDITIONS #151 PLYMPTON ROAD IN SUDBURY, MASS (MIDDLESEX COUNTY)

PREPARED FOR:
HERCULES HASEOTES
151 PLYMPTON ROAD
SUDBURY, MA 01776

PROPERTY OF:
151 PLYMPTON ROAD REALTY TRUST
151 PLYMPTON ROAD
SUDBURY, MA 01776

ENGINEERS & SURVEYORS:
MWE METROWEST ENGINEERING, INC.
75 FRANKLIN STREET
FRAMINGHAM, MA 01702
TELE: (508) 626-0063
EMAIL: INFO@MWEENGINEERING.COM

SHEET 1 OF 1
DATE: NOVEMBER 21, 2019
CALC'D BY: JCF FIELD BK: 698 CAD FILE: EXIST COND_ANRAD.dwg
DRAFTER: CJC PROJECT: WST_PLY2 DWG FILE: SP112119.dwg

WETLAND AREA

AREA WITHIN ISOLATED B.V.W. = 2,762± S.F.
AREA WITHIN 100' BUFFER ZONE = 57,004 S.F.
TOTAL AREA WITHIN 100' BUFFER ZONE = 59,766 S.F.
TOTAL LENGTH OF E.I.B.V.W. = 376 FEET

