Notice of Intent Proposed Single Family Dwelling Broadway (vacant parcel) Haverhill, Mass

June 12, 2025

Prepared For: Five C Construction, LLC PO Box 2157 Methuen, MA 01844

Prepared By:

andover consultants inc.

1 East River Place Methuen, MA 01844

Project Description

This Notice of Intent (NOI) is submitted pursuant to the Massachusetts Wetlands Protection Act (M.G.L. Chapter 131, Section 40), its implementing regulations at 310 CMR 10.00, and the Haverhill Wetland Protection Ordinance. The applicant, Five C Construction, LLC, proposes to construct a single-family dwelling and associated site improvements within the 100-foot buffer zone of Bordering Vegetated Wetlands (BVWs) located on an undeveloped parcel along Broadway in Haverhill, Massachusetts. The subject property is identified as Assessor's Parcel 539-439-7E and consists of approximately 1.76 acres.

The proposed development includes the construction of a single-family residence, driveway, utility connections, site grading, and other necessary appurtenances (the "Project"). The proposed dwelling is situated within an upland portion of the site. However, wetlands occupy a substantial portion of the lot, and work associated with the Project will occur within the buffer zone to BVWs. As such, the applicant is requesting waivers from the Haverhill Conservation Commission's 25-foot No-Disturb Zone and 50-foot No-Build Zone to allow reasonable development of the property.

To mitigate impacts to the adjacent resource areas, a staked erosion control barrier will be installed at the limit of work prior to construction, in accordance with Massachusetts Department of Environmental Protection Best Management Practices (BMPs). These measures are intended to control sedimentation, manage runoff, and protect the downgradient wetlands during construction.

Wetland resource areas were delineated in the field by Norse Environmental Services and subsequently located by a professional land survey crew. A copy of the National Wetlands Inventory (NWI) map is attached and indicates the presence of wetlands consistent with field flagging, including Freshwater Emergent Wetlands and Freshwater Forested/Shrub Wetlands.

Soils within the proposed project area were identified using the USDA Web Soil Survey. The upland area supporting the dwelling is primarily composed of Woodbridge fine sandy loam (310B) with 3 to 8 percent slopes and classified as Hydrologic Soil Group D, indicating very slow infiltration when wet. The lower, wetland-dominated portion of the site consists of Whitman fine sandy loam (72A), with 0 to 3 percent slopes, classified as Hydrologic Soil Group C/D, which also suggests poor drainage and limited infiltration capacity.

A FEMA Flood Insurance Rate Map (FIRMette) for Panel 25009C0067F, effective July 3, 2012, is also attached. This map indicates that a portion of the site is located within FEMA Flood Zone A; however, the proposed structure is situated entirely outside of the floodplain.

In evaluating potential locations for the proposed single-family dwelling on the subject parcel, the applicant considered an alternative siting option that would place the house further back on the lot. However, locating the dwelling deeper into the lot would require the filling of approximately 705 square feet of wetlands and encroach more significantly into the 25-foot No-Disturb Zone and 50-foot No-Build Zone, particularly in the rear portions of the site where wetlands are more expansive and less defined. It would also require substantially more land

clearing and vegetation removal, increasing the project's disturbance footprint and the potential for habitat disruption and soil erosion. In addition, a longer paved driveway would be needed, which would increase impervious surface area, stormwater runoff, and associated impacts to surrounding resource areas. The longer access route and steeper grades toward the rear of the site would also pose challenges to implementing and maintaining erosion control measures.

By contrast, the currently proposed location—closer to the street and within a defined upland area—minimizes direct impacts to both the BVW and buffer zone and allows for a more compact, contained development footprint. This location also enables more effective use of existing topography and access, reduces impervious surfaces, and allows for more straightforward implementation of erosion control measures. As such, the proposed siting near the front of the property represents the least environmentally impactful and most practical alternative that balances the development needs of the applicant with the protection of on-site and adjacent resource areas.

In summary, the proposed single-family home will be constructed within an upland area of the lot, minimizing wetland impacts while providing feasible site access and use. The project has been designed to avoid and mitigate impacts to nearby BVWs and buffer zones, with erosion controls and BMPs in place. Alternative siting options were considered but found to result in greater environmental disturbance, supporting the current proposal as the most environmentally responsible and practical approach.

WPA Form 3



Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands Provided by MassDEP:

A. General Information

WPA Form 3 – Notice of Intent Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

MassDEP File Number

Document Transaction Number Haverhill City/Town



computer, use only the tab key to move your cursor - do not use the return key.



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

0 Broadway		Haverhill	01832
a. Street Address		b. City/Town	c. Zip Code
Latituda and Langi	itudo:	42-47'22"N	71-08'47"W
Latitude and Longi	llude.	d. Latitude	e. Longitude
539		439-7E	
f. Assessors Map/Plat I	Number	g. Parcel /Lot Number	
. Applicant:			
Joseph		Fisichelli	
a. First Name		b. Last Name	
Five C Constructio	on, LLC		
c. Organization	,		
PO Box 2157			
d. Street Address			
Methuen		МА	01844
e. City/Town		f. State	g. Zip Code
978-994-6502		jofis@comcast.net	
h. Phone Number	i. Fax Number	j. Email Address	
Property owner (re			
Michael & Paula a. First Name		O'Dea b. Last Name	
Michael & Paula			
Michael & Paula a. First Name c. Organization 258 Clubhouse Ro	pad		
Michael & Paula a. First Name c. Organization	bad	b. Last Name	
Michael & Paula a. First Name c. Organization 258 Clubhouse Ro d. Street Address Wells	pad	b. Last Name	04090
Michael & Paula a. First Name c. Organization 258 Clubhouse Ro d. Street Address	pad	b. Last Name	04090 g. Zip Code
Michael & Paula a. First Name c. Organization 258 Clubhouse Ro d. Street Address Wells	bad i. Fax Number	b. Last Name	
Michael & Paula a. First Name c. Organization 258 Clubhouse Ro d. Street Address Wells e. City/Town	i. Fax Number	b. Last Name	
Michael & Paula a. First Name c. Organization 258 Clubhouse Ro d. Street Address Wells e. City/Town h. Phone Number	i. Fax Number	b. Last Name	
Michael & Paula a. First Name c. Organization 258 Clubhouse Ro d. Street Address Wells e. City/Town h. Phone Number . Representative (if	i. Fax Number	b. Last Name <u>ME</u> f. State j. Email address	
Michael & Paula a. First Name c. Organization 258 Clubhouse Ro d. Street Address Wells e. City/Town h. Phone Number Representative (if Dennis a. First Name	i. Fax Number any):	b. Last Name <u>ME</u> f. State j. Email address <u>Griecci</u>	
Michael & Paula a. First Name c. Organization 258 Clubhouse Ro d. Street Address Wells e. City/Town h. Phone Number . Representative (if Dennis	i. Fax Number any):	b. Last Name <u>ME</u> f. State j. Email address <u>Griecci</u>	
Michael & Paula a. First Name c. Organization 258 Clubhouse Ro d. Street Address Wells e. City/Town h. Phone Number h. Phone Number Representative (if Dennis a. First Name Andover Consultat	i. Fax Number any): nts, Inc.	b. Last Name <u>ME</u> f. State j. Email address <u>Griecci</u>	
Michael & Paula a. First Name c. Organization 258 Clubhouse Ro d. Street Address Wells e. City/Town h. Phone Number Representative (if Dennis a. First Name Andover Consultan c. Company	i. Fax Number any): nts, Inc.	b. Last Name <u>ME</u> f. State j. Email address <u>Griecci</u>	
Michael & Paula a. First Name c. Organization 258 Clubhouse Ro d. Street Address Wells e. City/Town h. Phone Number Representative (if Dennis a. First Name Andover Consultan c. Company 1 East River Place d. Street Address	i. Fax Number any): nts, Inc.	b. Last Name ME f. State j. Email address Griecci b. Last Name	
Michael & Paula a. First Name c. Organization 258 Clubhouse Ro d. Street Address Wells e. City/Town h. Phone Number . Representative (if Dennis a. First Name Andover Consultar c. Company 1 East River Place	i. Fax Number any): nts, Inc.	b. Last Name <u>ME</u> f. State j. Email address <u>Griecci</u>	g. Zip Code
Michael & Paula a. First Name c. Organization 258 Clubhouse Ro d. Street Address Wells e. City/Town h. Phone Number . Representative (if Dennis a. First Name Andover Consultan c. Company 1 East River Place d. Street Address Methuen	i. Fax Number any): nts, Inc.	b. Last Name <u>ME</u> f. State j. Email address <u>Griecci</u> b. Last Name <u>MA</u>	g. Zip Code

\$500.00	\$237.50	\$262.50
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid

4

4



Massachusetts Department of Environmental Protection Provided by MassDEP:

Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

MassDEP File Number

Document Transaction Number Haverhill City/Town

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

A. General Information (continued)

6. General Project Description:

Construction of a proposed single-family dwelling and driveway, including associated site grading and installation of utilities, within the buffer zone of bordering vegetated wetlands.

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

1.	Single Family Home	2.	Residential Subdivision
3.	Commercial/Industrial	4.	Dock/Pier
5.		6.	Coastal engineering Structure

- 7. Agriculture (e.g., cranberries, forestry)
- 9. 🗌 Other

1.

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

Voc	🛛 No	If yes, describe which limited project applies to this project. (See 310 CMR
165		10.24 and 10.53 for a complete list and description of limited project types)

8. Transportation

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Essex South	
a. County	b. Certificate # (if registered land)
6812	522
c. Book	d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

- 1. 🖾 Buffer Zone Only Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- 2. Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands Provided by MassDEP:

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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

	<u>Resour</u>	rce Area	Size of Proposed Alteration	Proposed Replacement (if any)			
For all projects	a. 🗌 b. 🗌	Bank	1. linear feet	2. linear feet			
affecting other Resource Areas, please attach a	D	Bordering Vegetated Wetland	1. square feet	2. square feet			
narrative explaining how the resource	c. 🗌	Land Under Waterbodies and	1. square feet	2. square feet			
area was delineated.		Waterways	3. cubic yards dredged				
	<u>Resour</u>	rce Area	Size of Proposed Alteration	Proposed Replacement (if any)			
	d. 🗌	Bordering Land Subject to Flooding	1. square feet	2. square feet			
	e. 🗌	Isolated Land	3. cubic feet of flood storage lost	4. cubic feet replaced			
		Subject to Flooding	1. square feet				
			2. cubic feet of flood storage lost	3. cubic feet replaced			
	f. 🗌	Riverfront Area	1. Name of Waterway (if available) - s	oecify coastal or inland			
	2.	Width of Riverfront Area	a (check one):				
	25 ft Designated Densely Developed Areas only						
		🔲 100 ft New agricu	ltural projects only				
		200 ft All other pro	ojects				
	3.	Total area of Riverfront A	rea on the site of the proposed proj	ect: square feet			
	4.	Proposed alteration of the	e Riverfront Area:				
	a.	total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.			
	5.	Has an alternatives analy	sis been done and is it attached to	this NOI?			
	6.	Was the lot where the act	ivity is proposed created prior to A	ugust 1, 1996? 🗌 Yes 🗌 No			
:	3. 🗌 Co	astal Resource Areas: (Se	ee 310 CMR 10.25-10.35)				
	Note:	for coastal riverfront area	s, please complete Section B.2.f.	above.			



Provided by MassDEP: Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users: Include your document		<u>Resour</u>	<u>ce Area</u>	Size of Proposed Alteration	Proposed Replacement (if any)
transaction number		a. 🗌	Designated Port Areas	Indicate size under Land Under	the Ocean, below
(provided on your receipt page) with all supplementary		b. 🗌	Land Under the Ocean	1. square feet	
information you submit to the				2. cubic yards dredged	
Department.		c. 🗌	Barrier Beach	Indicate size under Coastal Beac	ches and/or Coastal Dunes below
		d. 🗌	Coastal Beaches	1. square feet	2. cubic yards beach nourishment
		e. 🗌	Coastal Dunes	1. square feet	2. cubic yards dune nourishment
				Size of Proposed Alteration	Proposed Replacement (if any)
		f. 🗌	Coastal Banks	1. linear feet	
		g. 🗌	Rocky Intertidal Shores	1. square feet	
		h. 🗌	Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation
		i. 🗌	Land Under Salt Ponds	1. square feet	
				2. cubic yards dredged	
		j. 🗌	Land Containing Shellfish	1. square feet	
		k. 🗌	Fish Runs	Indicate size under Coastal Bank Ocean, and/or inland Land Unde above	
		_		1. cubic yards dredged	
		I. 🗌	Land Subject to Coastal Storm Flowage	1. square feet	
	4.	If the p	storation/Enhancement roject is for the purpose of footage that has been ente	restoring or enhancing a wetland r ered in Section B.2.b or B.3.h abov	esource area in addition to the /e, please enter the additional
		a. square	e feet of BVW	b. square feet of Sa	alt Marsh
	5.	🗌 Pro	oject Involves Stream Cross	sings	

a. number of new stream crossings

b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI EST HAB/viewer.htm.

a. 🗌 Yes 🛛 No	If yes, include proof of mailing or hand delivery of NOI to:
	Natural Heritage and Endangered Species Program
	Division of Fisheries and Wildlife
8/1//2021	1 Rabbit Hill Road - Westborough, MA 01581
b. Date of map	- Westborough, MA 01301

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

- c. Submit Supplemental Information for Endangered Species Review*
 - 1. Dercentage/acreage of property to be altered:

(a) within wetland Resource Area

percentage/acreage

(b) outside Resource Area

percentage/acreage

- 2. C Assessor's Map or right-of-way plan of site
- 2. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **
 - (a) Project description (including description of impacts outside of wetland resource area & buffer zone)
 - (b) Photographs representative of the site

^{*} Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <u>https://www.mass.gov/ma-endangered-species-act-mesa-regulatory-review</u>).

Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

^{**} MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



Massachusetts Department of Environmental Protection Provided by MassDEP:

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MassDEP File Number	
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C. Other Applicable Standards and Requirements (cont'd)

(c) MESA filing fee (fee information available at <u>https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review</u>).

Make check payable to "Commonwealth of Massachusetts - NHESP" and *mail to NHESP* at above address

Projects altering 10 or more acres of land, also submit:

- (d) Vegetation cover type map of site
- (e) Project plans showing Priority & Estimated Habitat boundaries
- (f) OR Check One of the Following
- 1. Project is exempt from MESA review. Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <u>https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat</u>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2.	Separate MESA review engoing		
2.	Separate MESA review ongoing.	a. NHESP Tracking #	b. Date submitted to NHESP

- 3. Separate MESA review completed. Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.
- 3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

a. 🛛 Not applicable – project is in inland resource area only	b. 🗌 Yes	🗌 No
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If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

South Shore - Bourne to Rhode Island border, and	North Shore - Plymouth to New Hampshire border:
the Cape & Islands:	

Division of Marine Fisheries -Southeast Marine Fisheries Station Attn: Environmental Reviewer 836 South Rodney French Blvd. New Bedford, MA 02744 Email: <u>dmf.envreview-south@mass.gov</u> Division of Marine Fisheries -North Shore Office Attn: Environmental Reviewer 30 Emerson Avenue Gloucester, MA 01930 Email: <u>dmf.envreview-north@mass.gov</u>

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.

d

b. Is this an aquaculture project?	
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	Ves	No
	res	110

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).

		assachusetts Department of Environmental Protection	Provided by MassDEP:			
			MassDEP File Number			
		/PA Form 3 – Notice of Intent assachusetts Wetlands Protection Act M.G.L. c. 131, §40	Document Transaction Number Haverhill City/Town			
	$\overline{\mathbf{c}}$	Other Applicable Standards and Requirements				
	С.	Other Applicable Standards and Requirements	(cont d)			
	4.	Is any portion of the proposed project within an Area of Critical Environ	nmental Concern (ACEC)?			
Online Users: Include your document		a. Yes No If yes, provide name of ACEC (see instruction Website for ACEC locations). Note: electronic				
transaction number		b. ACEC				
(provided on your receipt page) with all	 Is any portion of the proposed project within an area designated as an Outstanding Res (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CM 					
supplementary		a. 🗌 Yes 🖾 No				
information you submit to the Department.	6.	 Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)? 				
		a. 🗌 Yes 🖾 No				
	7.	Is this project subject to provisions of the MassDEP Stormwater Mana	gement Standards?			
		 a. Yes. Attach a copy of the Stormwater Report as required by th Standards per 310 CMR 10.05(6)(k)-(q) and check if: 1. Applying for Low Impact Development (LID) site design cr Stormwater Management Handbook Vol. 2, Chapter 3) 				
		2. A portion of the site constitutes redevelopment				
		3. Proprietary BMPs are included in the Stormwater Manage	ment System.			
		b. No. Check why the project is exempt:				
		1. Single-family house				
		2. Emergency road repair				
		3. Small Residential Subdivision (less than or equal to 4 sing or equal to 4 units in multi-family housing project) with no disc				
	D.	Additional Information				
		This is a proposal for an Ecological Restoration Limited Project. Skip S Appendix A: Ecological Restoration Notice of Intent – Minimum Requir 10.12).				
		Applicants must include the following with this Notice of Intent (NOI)	Soo instructions for dotails			

Applicants must include the following with this Notice of Intent (NOI). 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. 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.)
- 2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.



Provided by MassDEP: Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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D. Additional Information (cont'd)

- 3. 🖂 Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
- 4. 🖂 List the titles and dates for all plans and other materials submitted with this NOI.

Proposed Site Plan (two sheets)		
Andover Consultants, Inc.	Dennis A. Griecci	
b. Prepared By	c. Signed and Stamped by	
June 12, 2025	1"=20'	
d. Final Revision Date	e. Scale	

f. Additional Plan or Document Title

g. Date

- 5. 🗌 If there is more than one property owner, please attach a list of these property owners not listed on this form.
- 6. 🗌 Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
- 7. 🗌 Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
- 8. 🖂 Attach NOI Wetland Fee Transmittal Form
- 9. Attach Stormwater Report, if needed.

E. Fees

Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district 1 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 pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2383	6/10/2025
2. Municipal Check Number	3. Check date
2385	6/10/2025
4. State Check Number	5. Check date
Five C Construction, LLC	
6. Payor name on check: First Name	7. Payor name on check: Last Name



Massachusetts Department of Environmental Protection Provided by MassDEP:

Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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MassDEP File Number
Document Transaction Number
Haverhill
City/Town

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent 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 by Certificate of Mailing or 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.

Toseph Fisichelli	RMHR-R1ZN-C10X-NQ8M	
Signature of Applicant		2. Date
Michael O'Dea	duticop verified 06/04/25 12/26 PM EDT VYH0/ HCY2 6/04/5 FYCQ	
ignature of Property Owner	(if different)	4. Date
Dennis A. Criece: _		6/12/2025
Signature of Representative	if any)	6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

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

NOI 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. 1



A. A	pplicant	Information
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1. Location of Pro	ject:		
0 Broadway		Haverhill	
a. Street Address		b. City/Town	
		\$237.50	
c. Check number		d. Fee amount	
2. Applicant Mailir	ng Address:		
Joseph		Fisichelli	
a. First Name		b. Last Name	
Five C Constru	ction, LLC		
c. Organization			
PO Box 2157			
d. Mailing Address			
Methuen		MA	01844
e. City/Town		f. State	g. Zip Code
978-994-6502		josfis@comcast.net	
h. Phone Number	i. Fax Number	j. Email Address	
3. Property Owne	r (if different):		
Michael & Paul	а	O'Dea	
a. First Name		b. Last Name	
c. Organization			
258 Clubhouse	Road		
d. Mailing Address			
Wells		ME	04090
e. City/Town		f. State	g. Zip Code
h. Phone Number	i. Fax Number	j. Email Address	

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).

B. Fees

Fee should be calculated using the following process & worksheet. *Please see Instructions before filling out worksheet.*

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.



Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands NOI Wetland Fee Transmittal Form

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

B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category 2 (a) - single family	<u>1</u>	<u>\$500.00</u>	<u>\$500.00</u>
	-	tal Project Fee: ee Payments:	
		Project Fee:	\$500.00 a. Total Fee from Step 5 \$237.50
	State share	of filing Fee:	b. 1/2 Total Fee less \$ 12.50 \$262.50
	City/Town share	of filling Fee:	<u>φ202.50</u> c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection Box 4062 Boston, MA 02211

b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

2385 **Five C Construction, LLC** PO Box 2157 SECONDER BY Methuen, MA 01844 DATE 6-10125 978-994-6502 53-274/113 MA PAY TO THE ORDER OF CN WWWWW dF UN M \$ 237 50 50 TAM-SWAN AMMOND TU ch DOLLARS ēβ Enterprise Bank M FOR SMAD For O Parton and and Conton Willi 771 "002385" C11302742" 931 2383 **Five C Construction, LLC** PO Box 2157 CEZEHELD) Methuen, MA 01844 DATE 6- 10-25 978-994-6502 53-274/113 -\$ 105925 PAY TO THE ORDER OF OF 1722014 MND Della ONE TU UM DOLLARS 6 Enterprise Bank FOR LOCAL CADINANCE FORS. O PACADUM. CONCONTION 931 "002383" C011302742 7711 2384 **Five C Construction, LLC** PO Box 2157 DATE_6-10-24 CHECKARO BY Methuen, MA 01844 978-994-6502 53-274/113 PAY TO THE ORDER OF Anna CA \$ 26250 50 DILLA 1 now SINOT 10 DOLLARS 16 Enterprise Bank FOR LOCKL PANTILIN STATE Fit-O Handun CONSUMMENTON 931 771 "002384" C11302742

HCC Local Application Form 3



HCC Local Application Form 3 Notice of Intent

A. STATUTE APPLICABILITY

This application is being filed with the Commission in accordance with the following (check all that apply):

Massachusetts Wetlands Protection Act, M.G.L. Chapter 131, Section 40

Haverhill Municipal Ordinance Chapter 253

B. GENERAL INFORMATION

Applicant Five C Construction, LLC
Property Owner Michael and Paula O'Dea
Representative Andover Consultants, Inc.
Location (Street Address) Broadway (vacant parcel)
Assessor's Parcel Identification <u>539-439-7E</u>

C. APPLICATION CHECKLIST

The Commission requires the submittal of this original, completed Form; one (1) paper copy of site plans; and one (1) paper copy of all other materials. Additionally, the Commission requires the submittal of individual PDFs of this Form and all listed application materials. If practical, related items may be combined into a single PDF. PDFs should not mix larger format sheets (e.g. site plans) with smaller sheets (e.g. letters). These submittal requirements also apply to supplemental information provided during the public hearing. The following materials shall be submitted with this form:

- Completed, current WPA Form 3, 3A, or 4 and NOI Wetland Fee Transmittal Form
- Project Narrative with description of resource areas & delineation methodology and demonstration of compliance with pertinent Performance Standards
- Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan
- Site Plans clearly describing the location and nature of the work, including such information as site boundaries, wetlands, topography, existing and proposed conditions, vegetation cover, soils, erosion & sedimentation controls, Title 5 compliance, flood storage calculations...(24" x 36" max. sheet size)
- MassDEP Bordering Vegetated Wetland Delineation Field Data Forms, as appropriate
- n/a Wetland Resource Area Impact Mitigation Plan prepared in accordance with MA Inland Wetland Replication Guidelines, if applicable
- n/a □ Demonstration of compliance with MA River & Stream Crossing Standards, if applicable (The HCC applies the General Standards to all resource area crossings for wildlife passage.)
- n/a Simplified or Detailed Wildlife Habitat Evaluation (Appendix A or B), if applicable (See "MA Wildlife Habitat Protection Guidance for Inland Wetlands")
- n/a Demonstration of compliance with MA Stormwater Management Standards, including but not limited to
 - Stormwater Report with pertinent calculations based on NOAA Atlas 14 rainfall data
 - Checklist for Stormwater Report
 - Long-Term Pollution Prevention Plan
 - Operation and Maintenance Plan
 - Illicit Discharge Compliance Statement

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HCC Local Application Form 3 Notice of Intent

- 1/2 8¹/2" x 11" sections of the following maps with project location clearly identified
 - **USGS** Quadrangle
 - X MassGIS Orthophoto
 - City of Haverhill Parcel ID Map, also identifying properties within 300' of subject property
 - NRCS Soils Map and Resource Report
 - **EX** FEMA Flood Insurance Rate Map, if applicable
- n/a MA NHESP Estimated Habitats of Rare Wildlife and Priority Habitats of Rare Species, if applicable
- n/a D MassDEP/UMass-Amherst Habitat of Potential Regional or Statewide Importance, if applicable
- n/a D Proof of NOI filing with the MA Natural Heritage & Endangered Species Program, if applicable
 - Appropriate Filing Fees, payable to the City of Haverhill, under the Act and Ordinance
 - Other:

D. LOCAL PERMIT DOCUMENTATION

In accordance with 310 CMR 10.05(4)(e), list all obtainable permits, variances, and approvals required by local ordinance with respect to the proposed activity and status of same:

E. APPLICATION CERTIFICATION

I have read the Department of Environmental Protection's "Instructions for Completing Application" and the City's Municipal Ordinance under Chapter 253, with all applicable regulations and policies, for the filing of this application with the Haverhill Conservation Commission and agree to its terms and conditions, as amended. I understand the submitted NOI, its plans, and all its supporting materials are public records and may be uploaded to the City's website for public review. As required by the Commission, the wetland resource area(s) are flagged, the corners of proposed structures are staked, and the centerline of proposed roadway(s) and/or driveway(s) are marked, as appropriate, to facilitate site inspections by Commissioners and Conservation Staff.

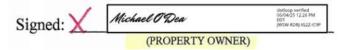
Signed: Joseph Fisichelli dot/09/25 3:30 PM EDT STY3-050R-TTFR-DVLK

(DATE)

F. SITE ACCESS ACKNOWLEDGEMENT

I hereby grant the Haverhill Conservation Commission and its officials permission to enter upon my property at Broadway (vacant parcel) Parcel ID 539-439-7E to review the filed Notice of Intent and (STREET ADDRESS AND ASSESSOR'S PARCEL ID)

future site conditions for compliance with the issued Order of Conditions. The sole purpose of this acknowledgement is to allow the Commission and its officials to perform their duties under the Massachusetts Wetlands Protection Act and the City's wetlands protection ordinance.



(DATE)

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HCC Local Application Form 3 Notice of Intent

G. AFFIDAVIT OF SERVICE FOR ABUTTER NOTIFICATION

- I. Dennis A. Griecci , hereby certify under the pains and penalties of perjury that on (NAME OF PERSON MAKING AFFIDAVIT)
 - or before 6/12/2025 I gave notification to all abutters pursuant to the requirements of the second (DATE)

paragraph of Massachusetts General Laws Chapter 131, Section 40, the DEP Guide to Abutter Notification dated April 8, 1994, and Haverhill Municipal Ordinance Chapter 253, Section 5 in connection with the following matter:

A Notice of Intent filed under the Massachusetts Wetlands Protection Act and said ordinance by Five C Construction, LLC with the Haverhill Conservation Commission on (NAME OF APPLICANT) for property located at Broadway (vacant parcel) Parcel ID 539-439-7E or before 6/12/2025 (STREET ADDRESS AND ASSESSOR'S PARCEL ID) (DATE)

The list of the abutters to whom the Abutter Notification Form sent, with their addresses and Assessor's parcel identification information that corresponds with the submitted map section, are attached to this application.

6/12/2025

(DATE)



HCC Local Application Form 3 Notice of Intent

H. ABUTTER NOTIFICATION FORM

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40 (the Wetlands Protection Act) and Haverhill Municipal Ordinance Chapter 253, Section 5, you are hereby notified of the following:

- 1. The name of the applicant is <u>Five C Construction, LLC</u>
- 2. Brief Project Description: Construction of a proposed single-family dwelling and driveway, including associated site grading and installation of utilities, within the buffer zone of bordering vegetated wetlands on an undeveloped lot.
- 3. The applicant has filed a Notice of Intent ("NOI") with the Haverhill Conservation Commission seeking permission to remove, fill, dredge or alter an Area Subject to Protection Under the Wetlands Protection Act and/or Haverhill Municipal Ordinance Chapter 253 and/or to perform work within the buffer zone of such an Area.
- 4. The address of the lot where the activity is proposed is <u>Broadway (vacant parcel) Parcel ID 539-439-7E</u> (INCLUDE ASSESSOR'S MAP/BLOCK/LOT)
- 5. Copies of the NOI may be examined at *the Haverhill Conservation Department Office* between the hours of *8am and 4pm* from *Monday through Friday*. Contact information is below. You may also find helpful application materials on the "Projects Under Review" section of the Commission's website.
- 6. Copies of the NOI may be obtained from either (check one) the applicant _____, or the applicant's representative ____, by calling this telephone number (<u>978</u>) <u>687</u> <u>3828</u> between the hours of <u>9:00 am</u> and <u>4:00 pm</u> on the following days of the week <u>Monday Friday
 </u>
- Information regarding the *date, time, and place* of the public hearing may be obtained from the Haverhill Conservation Department Office between the hours of 8am and 4pm from Monday through Friday. Contact information is below. You may also consult the "Agenda" section of the Commission's website.

NOTE: Notice of the public hearing, including its date, time and place, will be published at least five (5) days in advance in the *Haverhill Gazette newspaper*.

NOTE: Notice of the public hearing, including its date, time, and place, will be posted in Haverhill City Hall not less than forty-eight (48) hours in advance.

NOTE: You may contact the Haverhill Conservation Department for more information about this application, the Wetlands Protection Act, and Haverhill Municipal Ordinance Chapter 253. Please note the Department has only one staff person; every effort will be made to assist you in a timely manner.

Website: <u>http://www.cityofhaverhill.org/departments/conservation_commission/index.php</u>. Email: <u>conservation@cityofhaverhill.com</u> Phone: 978.374.2334

NOTE: For additional information about this application and the Act, you may contact the MA Department of Environmental Protection Northeast Regional Office Service Center.

Website: <u>http://www.mass.gov/eea/agencies/massdep/about/contacts/northeast-region.html</u> Phone: 978.694.3200

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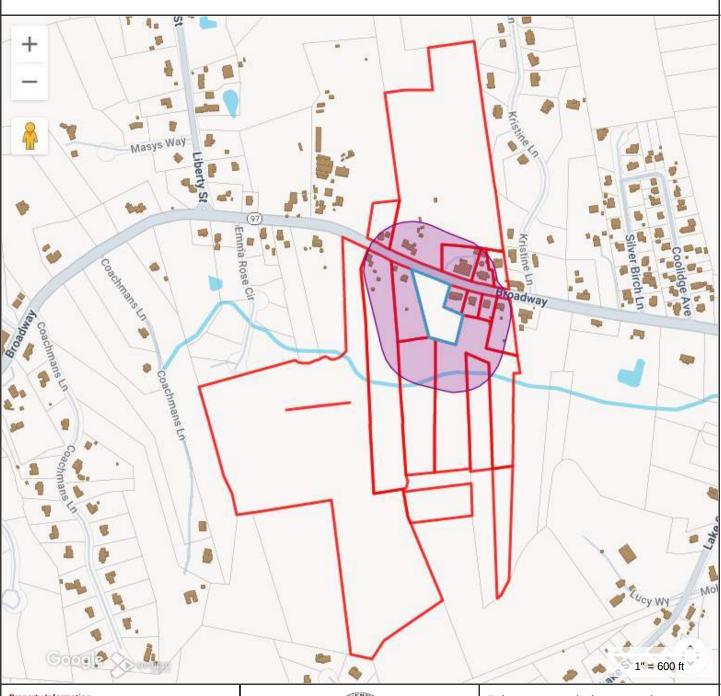
HCC Local Application Form 3 Notice of Intent

I. LOCAL ORDINANCE FEE CALCULATION FORM

		# of Activities or	
ACTIVITY	LOCAL ORDINANCE FEE	Measurement	Subtotal
*Abbrev. Notice of Resource Area Delineation (ANRAD)			
	\$1/linear foot, first 100'; \$0.50/lf,		
	second 100'; \$0.10/lf, each additional		
Single Family House Project	foot		
	***\$1/linear foot, first 1000'; \$0.50/lf,		
	second 1000'; \$0.10/lf, each additional		
All Other Projects	foot		
%*Notices of Intent (NOI)			
Category 1 Activity	\$100		
Category 2 Activity	\$250	1	\$250.00
Category 3 Activity	\$525		
Category 4 Activity	\$725		
Category 5 Activity	\$2/foot		
Category 6 Activity - If no ANRAD was filed for the project site,			
then a local Cat. 6 fee must be paid in accordance with the ANRAD			
fee schedule	See ANRAD fee schedule		
Resource Area Alterations			
Buffer Zone, 75'-100' from resource area boundary	\$0.05 / square foot	279 sf	\$13.95
Buffer Zone, 35'-75' from resource area boundary	\$0.10 / square foot	2,918 sf	\$291.80
Buffer Zone, 0'-35' from resource area boundary	\$0.25 / square foot	1,836 sf	\$459.00
Bordering Vegetated Wetland			
Bank	4 ·		
Land Under Water	1		
Land Subject to Flooding			
Riverfront Area			
Riverfront Area with the watershed of a potable water supply	-		
Land within 100' of a Certified Vernal Pool	· 1		
Local-only Jurisdictional Resource Area	-		
Land within 200' of a potable water supply	\$0.50 / square foot		
	ADVE	RTISING FEE*	\$45
	LOCAL ORDINAN	CE FEE TOTAL	\$1,059.75
For filings resulting from enfo	rcement action, double the Local Ord	inance Fee Total	
NOTES:	recine in action, accuse the local ora		
*Application is subject to an additional \$45 Local Advertising Fee pay	vable to the City of Haverhill prior to EAC	H advertising	
***Local Ordinance Fee maximum of \$100 for applications exceeding	· ·		under M.G.L. Ch. 44,
sec. 53G for projects exceeding 1000'. Applicant shall post escrow ir 0 vote of the Commission on March 7, 2019.			
%Local Ordinance Fees for RDA, NOI, & RMOC increase 50% wh	en project is also proposed within a River	rfront Area	
Local Ordinance Fees passed by a $7-0$ vote of the Commission on C			
¥			

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Abutters List



Property Information

Property ID	539-439-7E
Location	BROADWAY
Owner	O`DEA MICHAEL F JR ETUX



MAP FOR REFERENCE ONLY NOT A LEGAL DOCUMENT

City of Haverhill, MA makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated February 5, 2019 Data updated February 4, 2019

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.

Abutters List

Property ID	Site Address	Owner	Owner 2	Owner Address	Owner City	Owner State	Owner Zip
539-439-14	BROADWAY	ESSEX PROPERTIES TRUST	C/O AARON M.I. SHINBERG	893 WEST ROXBURY PARKWAY	CHESTNUT HILL	MA	2467
539-439-16	BROADWAY	ESSEX PROPERTIES TRUST	C/O AARON M.I. SHINBERG	893 WEST ROXBURY PARKWAY	CHESTNUT HILL	MA	2467
539-439-7	BROADWAY	CARNES LINDA A-ETUX	CARNES JOHN A	1002 BROADWAY	HAVERHILL	MA	1832
539-439-7A	986 BROADWAY	PELOSI ROCCO L	HELEN T PELOSI	986 BROADWAY	HAVERHILL	MA	1832
539-439-7B	1002 BROADWAY	1002 BROADWAY REALTY TRUST	CARNES JOHN A-TRUSTEE	1002 BROADWAY	HAVERHILL	MA	1832
539-439-7C	1010 BROADWAY	VIOLETTE LAURIE A		1010 BROADWAY	HAVERHILL	MA	1832
539-439-7D	1022 BROADWAY	SAETEROS ZOILA CAGUANA-ETUX	JUAN LOJA CELA	1022 BROADWAY	HAVERHILL	MA	1832
539-439-8	1036 BROADWAY	TALBOT ANDREW R	TALBOT JILLIAN	1036 BROADWAY	HAVERHILL	MA	1832
539-439-9A	BROADWAY	DUDLEY FRANK J	C/O NANCY O`NEILL	P.O. BOX 1181	WESTFORD	MA	1886
539-439-9B	1046 BROADWAY	CHUPASKO JUDITH M		1046 BROADWAY	HAVERHILL	MA	1832
574-1-12	1001 BROADWAY	KELLER JOY		1001 BROADWAY	HAVERHILL	MA	1832
574-1-12B	997 BROADWAY	MOREL ZOVEYDA A-ETUX	JEUNE CASIMIR	997 BROADWAY	HAVERHILL	MA	01832-8816
574-1-13	1015 BROADWAY	SERRATORE REALTY LLC		1015 BROADWAY	HAVERHILL	MA	1832
574-1-16	1037 BROADWAY	BOYLAND LOUISE S	SUSAN L BOYLAND ETAL	1037 BROADWAY	HAVERHILL	MA	1832
574-1-18	1047 BROADWAY	PORTALLA BRETT A		1047 BROADWAY	HAVERHILL	MA	1832

Wetland Determination Data Form

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 0 Broadway		City/County: Ha	verhill / Essex	Sampling Date: 3-20-25					
Applicant/Owner: Andover C	onsultants					State:	MA Sampling	Point: SP-1	
Investigator(s): Norse Enviro	nmental Servi	ces, Inc.		Section, Towns	hip, Range:				
Landform (hillside, terrace, etc				Local relief (conca	ve. convex. none	ə):	Slo	ope (%): 3-8	
Subregion (LRR or MLRA): L		Lat:	42.78969		Long: -71.14			m: NAD83	
Soil Map Unit Name: Woodbri			12.10000		Long		fication: PFO1		
		to humical fo							
Are climatic / hydrologic condi		••		-	<u>X</u> No	-			
Are Vegetation, Soil								No <u>X</u>	
Are Vegetation, Soil	, or Hyd	drology	naturally	problematic?	(If needed, expla	in any answers	s in Remarks.)		
SUMMARY OF FINDING	GS – Attacl	h site ma	ap showing	<mark>,</mark> sampling po	int locations	, transects,	important fea	itures, etc.	
Hydrophytic Vegetation Pres	ont?	Voc V	No	Is the Sam	nlod Aroa				
Hydric Soil Present?		Yes <u>X</u> Yes		within a W		Yes	NoX		
Wetland Hydrology Present?		Yes	No X		nal Wetland Site	The second			
Remarks: (Explain alternativ			*	I					
Drought conditions	• p. • • • • • • •		esperate rep	,					
HYDROLOGY									
Wetland Hydrology Indicate	ors:				<u>s</u>	econdary Indic	cators (minimum o	f two required)	
Primary Indicators (minimum	of one is requ	<u>iired; check</u>	call that apply)			il Cracks (B6)		
Surface Water (A1)		.		d Leaves (B9)		Drainage P	Drainage Patterns (B10)		
High Water Table (A2)			Aquatic Faun						
Saturation (A3)			Marl Deposits		15) Dry-Season Water Table (C2)				
Water Marks (B1)				fide Odor (C1)		Crayfish Bu			
Sediment Deposits (B2)			•	cospheres on Livin	g Roots (C3)		Visible on Aerial In		
Drift Deposits (B3)			•	Reduced Iron (C4)	- II (00) -		Stressed Plants (D	1)	
Algal Mat or Crust (B4)				Reduction in Tilled	Solis (C6)	-	c Position (D2)		
Iron Deposits (B5)	rial lasa a a m / /F		Thin Muck Su			Shallow Aq			
Inundation Visible on Ae	0,0	·	Other (Explain	n in Remarks)			raphic Relief (D4)		
Sparsely Vegetated Con		(60)		T	·	FAC-Neutra			
Field Observations: Surface Water Present?	Voc	No V	Donth (inch	26);					
Water Table Present?	Ves		Depth (inche	es): es):					
Saturation Present?	Yes		Depth (inche	es).	Wetland Hydr	ology Present	? Yes	No X	
(includes capillary fringe)	100		. Doptil (mont		Wedana nya	ology i reach			
Describe Recorded Data (str	eam gauge, m	onitoring w	ell, aerial phot	tos, previous inspe	ections), if availat	ole:		····	
		-							
						· · · · · · · · · · · · · · · · · · ·			
Remarks:									

VEGETATION – Use scientific names of plants.

VEGETATION - Use scientific names of pla	Sampling F	Point:SP-1				
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Acer rubrum	40	Yes	FAC	Number of Dominant Species		
2. Pinus strobus	15	Yes	FACU	That Are OBL, FACW, or FAC:	7	(A)
3. Quercus alba	10	No	FACU	Total Number of Dominant		
4.				Species Across All Strata:	9	(B)
5.				Percent of Dominant Species		
6.				That Are OBL, FACW, or FAC:	77.8%	(A/B)
7.				Prevalence Index worksheet:		
	65	=Total Cover		Total % Cover of:	Multiply by:	
Sapling/Shrub Stratum (Plot size:)				OBL species	x1=	
1. Rhamnus alnifolia	20	Yes	OBL		x 2 =	
2. Cornus amomum	15	Yes	FACW		x 3 =	
3. Lonicera tatarica	15	Yes	FACU	FACU species	x 4 =	
4. Ilex verticillata	15	Yes	FACW		x 5 =	
5. Alnus incana	5	No	FACW	Column Totals:	(A)	(B)
6.				Prevalence Index = B/A		
7.				Hydrophytic Vegetation Indic	ators:	
	70	=Total Cover		1 - Rapid Test for Hydroph		
Herb Stratum (Plot size:)				X 2 - Dominance Test is >50		
1. Onoclea sensibilis	15	Yes	FACW	3 - Prevalence Index is ≤3.		
2. Osmundastrum cinnamomeum	15	Yes	FACW	4 - Morphological Adaptati		oporting
3. Impatiens capensis	10	Yes	FACW	data in Remarks or on a		
				Problematic Hydrophytic V	egetation ¹ (Expla	ain)
			<u></u>			
5 6				¹ Indicators of hydric soil and we be present, unless disturbed or		must
7.				Definitions of Vegetation Stra	ata:	
8.				Tree – Woody plants 3 in. (7.6	cm) or more in d	iameter
9.				at breast height (DBH), regardl		amotor
10.				Sapling/shrub – Woody plants	less than 3 in T	звн
11				and greater than or equal to 3.2		
12.				Herb – All herbaceous (non-wo	vodu) plants rea:	ardlace
	40	=Total Cover		of size, and woody plants less		
Woody Vine Stratum (Plot size:)		•		Woody vines - All woody vine	s greater than 3	28 ft in
1				height.		20 11 11
2.						
3.				Hydrophytic Vegetation		
4.				Present? Yes X	No	
		=Total Cover				
Remarks: (Include photo numbers here or on a separ	rate sheet.)					

so	I	L
----	---	---

Sampling Point: SP-1

Profile Description: (Describe to the c	epth needed to docu	ment the i	indicato	or or conf	irm the absence of in	dicators.)
Depth <u>Matrix</u>		Features				
(inches) Color (moist) %	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-12 10YR 2/2					FSL	
12-20 10YR 4/4					SL	
		<u> </u>				
		<u> </u>				
						the state and an an an and a state of the st
	<u></u>					
		<u> </u>				
		<u> </u>		. <u></u>		
		,				
	<u></u>				<u></u>	·····
				·	-	
¹ Type: C=Concentration, D=Depletion, F	M=Reduced Matrix, CS	S=Covered	d or Coa	ted Sand		n: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:						oblematic Hydric Soils ³ :
Histosol (A1)	Polyvalue Below	Surface (S8) (LR	RR,	the second se	(10) (LRR K, L, MLRA 149B)
Histic Epipedon (A2)	MLRA 149B)				the second se	Redox (A16) (LRR K, L, R)
Black Histic (A3) Hydrogen Sulfide (A4)	Thin Dark Surfac				-	Peat or Peat (S3) (LRR K, L, R) low Surface (S8) (LRR K, L)
Stratified Layers (A5)	Loamy Mucky Mi					rface (S9) (LRR K, L)
Depleted Below Dark Surface (A11)	Loamy Gleyed N			, L)		ese Masses (F12) (LRR K, L, R)
Thick Dark Surface (A12)	Depleted Matrix					odplain Soils (F19) (MLRA 149B)
Sandy Mucky Mineral (S1)	Redox Dark Surf					: (TA6) (MLRA 144A, 145, 149B)
Sandy Gleyed Matrix (S4)	Depleted Dark S		2		Red Parent N	
Sandy Redox (S5)	Redox Depression)			Dark Surface (TF12)
Stripped Matrix (S6)	Marl (F10) (LRR					n in Remarks)
Dark Surface (S7)		κ, <i>⊑)</i>				in in Kendikay
³ Indicators of hydrophytic vegetation and	wetland hydrology mus	st be prese	ent, unle	ss disturb	ped or problematic.	
Restrictive Layer (if observed):	,,					
Туре:						
Depth (inches):					Hydric Soil Presen	t? Yes <u>No X</u>
Remarks:					<u> </u>	
This data form is revised from Northcenti						ield Indicators of Hydric Soils
version 7.0 March 2013 Errata. (http://ww	w.nrcs.usda.gov/Intern	iet/FSE_D	OCUME	NTS/nrcs	s142p2_051293.docx)	

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 0 Broadway	City/County: Haverhill / Essex		Sampling Date: 3-20-25
Applicant/Owner: Andover Consultants		State:	MA Sampling Point: SP-2
Investigator(s): Norse Environmental Services, Inc.	Section, Township, Range:		
Landform (hillside, terrace, etc.):	Local relief (concave, convex, none):		Slope (%): 3-8
Subregion (LRR or MLRA): LRR R Lat: 42.7896	an er en er		Datum: NAD83
			cation: PFO1
Soil Map Unit Name: Woodbridge		-	
Are climatic / hydrologic conditions on the site typical for this tim			
Are Vegetation, Soil, or Hydrologysign		•	
Are Vegetation, Soil, or Hydrologynate	urally problematic? (If needed, explain	any answers i	n Remarks.)
SUMMARY OF FINDINGS – Attach site map show	wing sampling point locations, t	ransects, i	important features, etc.
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No	Is the Sampled Area within a Wetland? If yes, optional Wetland Site ID	Yes X	No
Remarks: (Explain alternative procedures here or in a separat	e report.)		
Drought conditions			
HYDROLOGY			
Wetland Hydrology Indicators:	Sec	condary Indica	ators (minimum of two required)
Primary Indicators (minimum of one is required; check all that	apply)	Surface Soil	Cracks (B6)
Surface Water (A1)X Water-S	Stained Leaves (B9)	Drainage Pa	tterns (B10)
High Water Table (A2) Aquatic	Fauna (B13)	_Moss Trim L	ines (B16)
	posits (B15)		Water Table (C2)
	en Sulfide Odor (C1)	Crayfish Bur	
	d Rhizospheres on Living Roots (C3)	-	isible on Aerial Imagery (C9)
	e of Reduced Iron (C4) Iron Reduction in Tilled Soils (C6)	-	tressed Plants (D1) Position (D2)
	ick Surface (C7)	_ Shallow Aqu	• •
	Explain in Remarks)		aphic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral	
Field Observations:		<u></u>	
	(inches):		
	(inches):		
Saturation Present? Yes X No Depth	(inches): Wetland Hydrol	ogy Present?	? Yes X No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, aeria	I photos, previous inspections), if available	*:	
Remarks:			

VEGETATION – Use scientific names of plants.

Sampling Point: SP-2

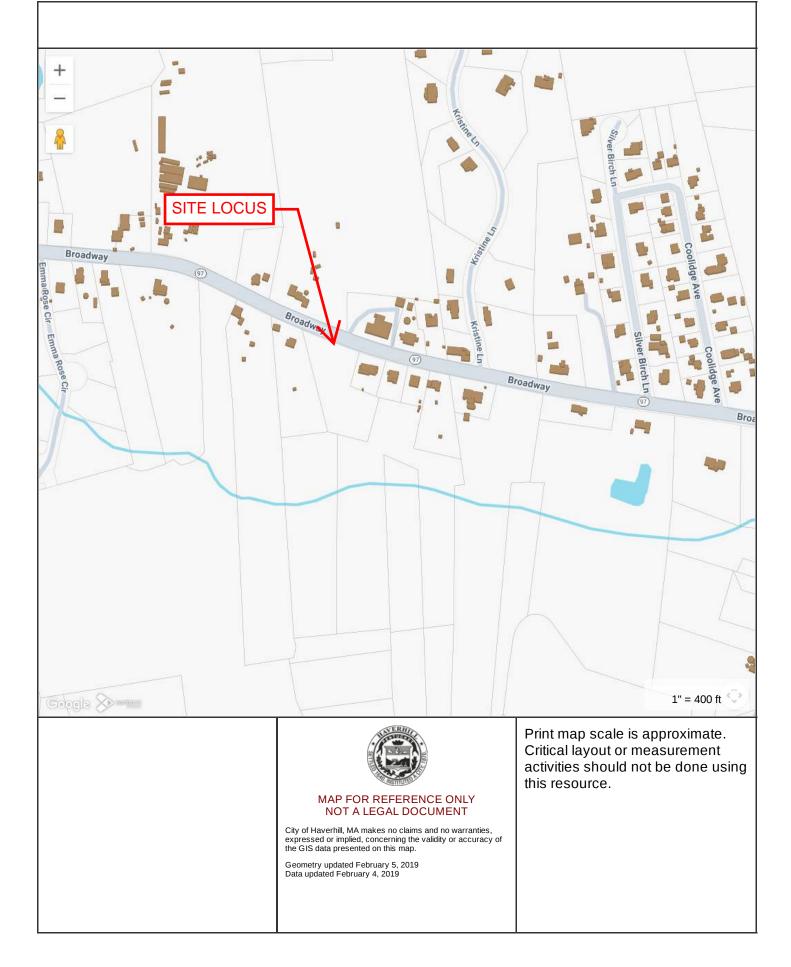
<u>Tree Stratum</u> (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:) 1. Acer rubrum	30	Yes	FAC	
2. Pinus strobus	20	Yes	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:7(A)
3. Ulmus americana	15	Yes	FACW	
4. Quercus alba	10	No	FACU	Total Number of DominantSpecies Across All Strata:88
5.			<u> </u>	
6.		· · · · · · · · · · · · · · · · · · ·	<u></u>	Percent of Dominant Species That Are OBL, FACW, or FAC: 87.5% (A/B)
7.			.	Prevalence Index worksheet:
	75	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species x 1 =
1. Rhamnus alnifolia	20	Yes	OBL	FACW species x 2 =
2. Cornus amomum	15	Yes	FACW	FAC species x 3 =
3. Lonicera tatarica	5	No	FACU	FACU species x 4 =
4. Ilex verticillata	10	No	FACW	UPL species x 5 =
5. Alnus incana	10	No	FACW	Column Totals: (A)(B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	60	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	15	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
2. Osmundastrum cinnamomeum	15	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Symplocarpus foetidus	10	Yes	FACW	data in Remarks or on a separate sheet)
4. Impatiens capensis	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. <u>Typha latifolia</u> 6.	5	No	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.	H			Definitions of Vegetation Strata:
~				
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	50	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)		•		
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SO	IL	
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ing	Point:	SP-2					
0							

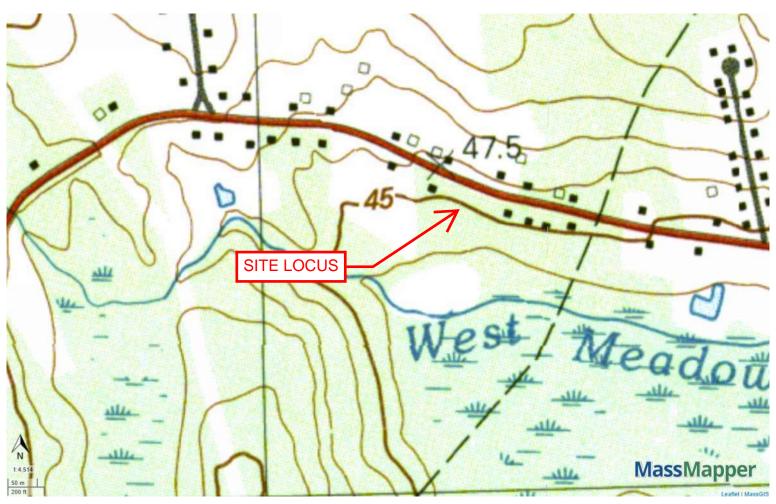
	escription: (Describe	to the de				or or conf	firm the absence	of indicators.)
Depth (inches)	Matrix Color (moist)	%	Redo Color (moist)	x Featur %	es Type ¹	Loc ²	Texture	Remarks
<u>(incries)</u> 0-10	10YR 2/2						FSL	
10-20	10YR 3/2		7.5YR 5/6	10	с	<u>—</u>	SL	Prominent redox concentrations
	1011(0/2							
,								
	. <u></u>			<u></u>				
	<u></u>						<u>, , , , , , , , , , , , , , , , , , , </u>	
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	<u>,</u>			<u></u>	<u></u>			
1,					<u>.</u>			
¹ Type: C=	Concentration, D=Dep	letion, RI	M=Reduced Matrix, C	S=Cove	red or Coa	ted Sand	Concerning with the second	ocation: PL=Pore Lining, M=Matrix.
-	oil Indicators:							for Problematic Hydric Soils ³ :
	sol (A1)		Polyvalue Belov	v Surface	∋ (S8) (LR	R R,	Bernard and Be	uck (A10) (LRR K, L, MLRA 149B)
	Epipedon (A2) Histic (A3)		MLRA 149B) Thin Dark Surfa	ca (SQ) (I RA 149		Prairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R)
	ogen Sulfide (A4)		High Chroma S					ue Below Surface (S8) (LRR K, L)
	fied Layers (A5)		Loamy Mucky N					ark Surface (S9) (LRR K, L)
	ted Below Dark Surfac	e (A11)	Loamy Gleyed I					inganese Masses (F12) (LRR K, L, R)
Thick	Dark Surface (A12)		Depleted Matrix	(F3)			Piedmo	nt Floodplain Soils (F19) (MLRA 149B)
Sand	y Mucky Mineral (S1)		Redox Dark Su	face (F6)			Spodic (TA6) (MLRA 144A, 145, 149B)
	y Gleyed Matrix (S4)		Depleted Dark S					rent Material (F21)
	y Redox (S5)		Redox Depress	• • •	•			nallow Dark Surface (TF12)
	ed Matrix (S6)		Marl (F10) (LRF	(K,L)				Explain in Remarks)
Dark	Surface (S7)							
³ Indicators	s of hydrophytic vegeta	ition and v	wetland hydrology mu	ist be pre	esent, unle	ess disturi	oed or problemati	с.
	ve Layer (if observed)							
Type:								
Depth (inches):						Hydric Soil P	resent? Yes X No
Remarks:								
								RCS Field Indicators of Hydric Soils
version 7.	0 March 2013 Errata. (http://ww	w.nrcs.usda.gov/Inter	net/FSE		ENTS/nrc	s142p2_051293.c	docx)

City of Haverhill Parcel Map



USGS Quadrangle

USGS



Property Tax Parcels

FEMA Flood Insurance Rate Map

This map is for use NOTES, TO USERS Insurance Program. If does

for recessing identify all areas subject to flooding, particularly from local dramage sources of small size. The community map repository should be consulted for coasishe updated or additional flood heard information.

process quotest or discussment incommunity. To chain more thank of the second process of the second proces of the second proces of t

Coastal Base Trade Elevations shown on this may supply only instrument of USE work American Version Dation of 1956 (VMO) 381). Users of this FTMM shows the aware that coastar fixed alexators are also provided in the Sammary 6 Silveter Revisions takes in the Paol Instruction Study Resolt for this injurations. Environs shown in the Sammary of Silveter Elevators takes involves the used for constructions aream on the SIMM.

Brundaries of the floodways were computed of cross sectors and interpolated between cross sectors. The floodways were based on hydraulic considerations with larger to magnetize the Although Flood Insurance Program. Floodway withs and other partners! floodway data are provided in the Flood Insurance Study Report for the juried/cross-

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study Report for information on flood control structures for this jurisdiction.

The projection used in the reservation of this rays was Massectures these Para Marchand Zone (FFS Soniz 2007). The MacRosteal additionar solved 28, URES 1990 aphrenzis. Differences in detain, spherosis projection or UTM zones used in the production of FRMAS for adjacent (production boundaries. These differences do not affect the accuracy of the FRMA.

Find elevations on this may are referenced to the North American Vertical Datam of 1088, These fixed elevations must be compared to introture and ground elevations elevations for the new vertical datam. For introduction registral conversions between the National Geodetic Vertical Datam of 1993 and the North American Vertical Datam of 1988, vert the Vertical Datam of 1993 and the North American <u>MicroAwards.com agent</u> or contact the National Geodetic Survey at the following address:

NGS Information Services NGAA, NNGS12 Notional Geodetic Survey SSNC3, #SSNC3, #SSNC3, #SSNC3, 1315 East-Weal Highway Shee Sering, Meryland 20610-3262 (301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the information Services Branch of the Nationa Geodetic Survey at (301) 713-3242, or visit its website at <u>http://www.ncss.ncsss.acc</u>o.

Base map information shown on this FIRM was derived from digital orthopholography provides by the Masaachusette Geographic Information System. This information was presided from pholography dated 2005.

The **profile baselines** depicted on this map represent the hydraulic modeling baselines har marks the flood profiles in the FIS report. As a result of improved topographic data, the **profile baseline**, in some cases, may device significantly from the channel centerine or appear outside the SFHA.

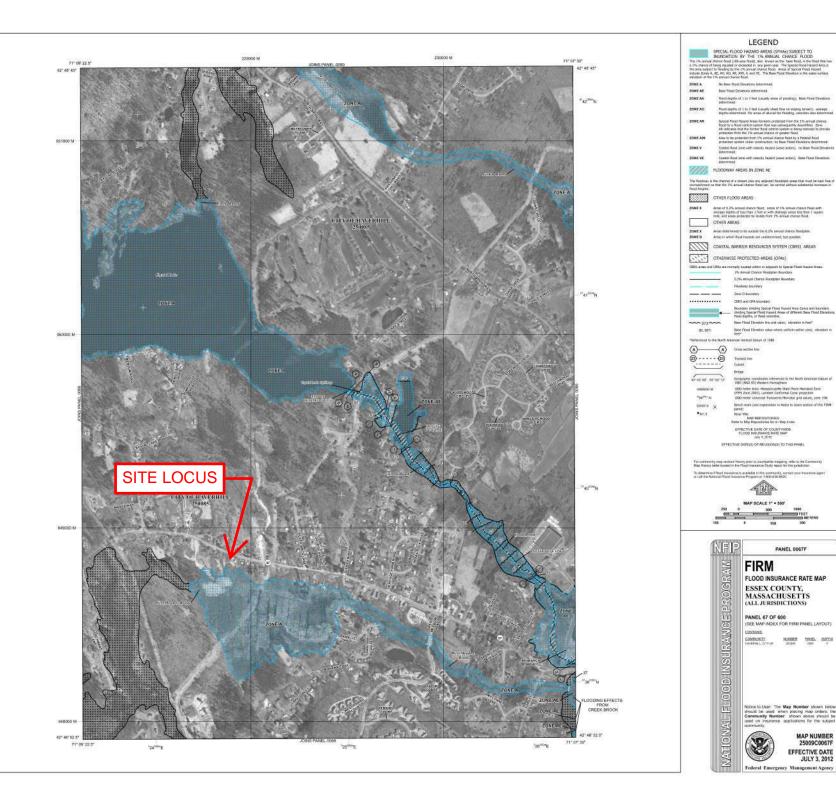
Band on update dispongence information, this may reflects more distaled and up-bi-dim determini comfigurations, and Receipting defined from the periodic stream channel is comfigurations. And Receipting defined from the Periodic and Proceedings Data tables of motions advance in the Front Insurance Study Report (architic contrasm automative hydroxic deta) may reflect tratemic band discloses that differ four multis shown on the mark. Also, the recard to Enclation should first unwith a shown on the mark. Also, the motion or periodic methy.

Corporate limits shown on this map are based on the best data evenlable at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community diffusies to verify current corporate i mit localizers.

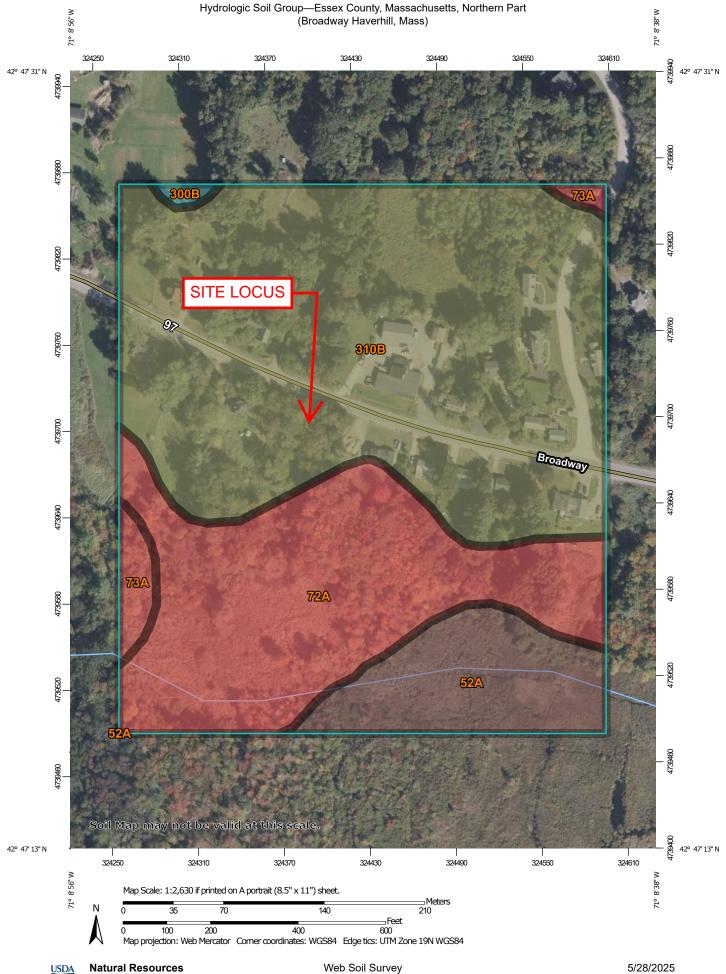
Plastic refer to the separately printed Map Index for an overview map of the county attaining this layout of map panetic, community main repeationy addresses; and a Luting of Communities table contraming National Flood Insurance Program does for each community as well as a listing of the panets on which each community in bodied.

For information on available products associated with this FRM visit the Map Service Center (MSC) websits at <u>Informatic Tenanov</u>, Available products may include previously sixed Letters of Mac Drange, a Flood Instance Sudy Report, and/or digital versions of his map. Many of these products can be ordered or obstrued methyl from the MSC verbale.

If you have questions about this map, how to order products, or the National Flood insurance Program in general, please call the FEMA Map Information &Anange (FMIX) at 1477-FEMA/AP (1477-336-2527) or visit the FEMA weakle at floor/www.form.gardbaatnessimtle.

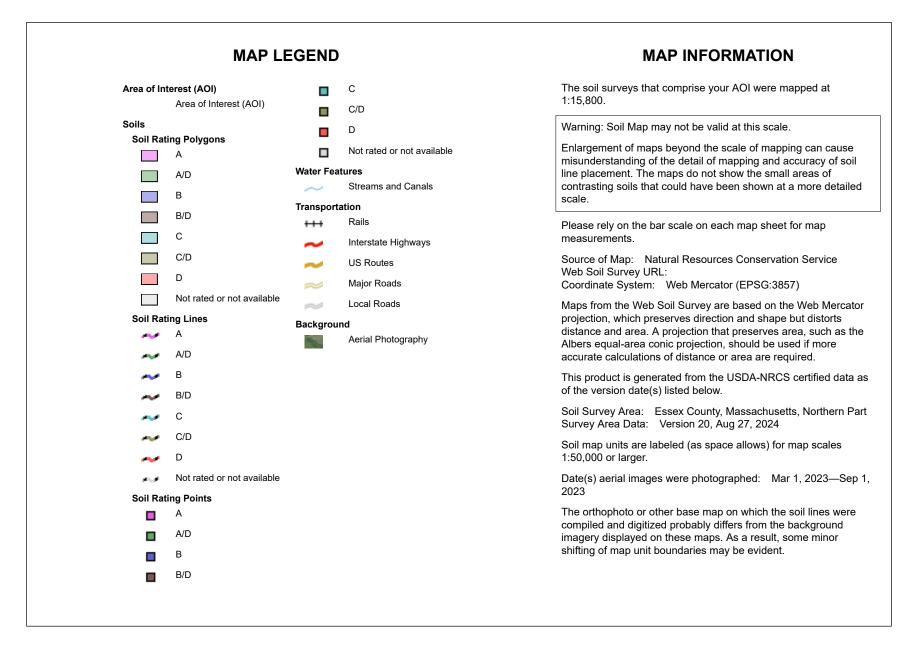


NRCS Web Soil Survey



National Cooperative Soil Survey

Conservation Service





Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
52A	Freetown muck, 0 to 1 percent slopes	B/D	3.4	10.6%
72A	Whitman fine sandy loam, 0 to 3 percent slopes	D	9.4	29.1%
73A	Whitman fine sandy loam, 0 to 3 percent slopes, extremely stony	D	0.7	2.1%
300B	Montauk fine sandy loam, 3 to 8 percent slopes	С	0.1	0.4%
310B	Woodbridge fine sandy loam, 3 to 8 percent slopes	C/D	18.6	57.8%
Totals for Area of Inter	est	32.2	100.0%	

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition Component Percent Cutoff: None Specified Tie-break Rule: Higher

National Wetland Inventory Mapper



U.S. Fish and Wildlife Service National Wetlands Inventory

Broadway Haverhill



Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Pond

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Lake Other Riverine This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Alternative Analysis Plan

