## Norwood Engineering

August 20, 2018

Conservation Commission 50 Carby Street Westwood, MA 02090

Subject: Notice of Intent

Canton Street Realty Trust 21 Hedgerow Lane

Dear Commission Members:

Enclosed are the following materials in support of the Notice of Intent for Canton Street Realty Trust, for an Order of Conditions under the Wetland Protection Act and the Town of Westwood Wetland Protections Bylaw. The Notice of Intent is for the demolition of an existing structure and the construction of a single-family dwelling, driveway, retaining wall, utilities and associated grading in the 100' buffer to a bordering vegetated wetland.

- 9 Copies of the Notice of Intent (State forms)
- 9 Copies of the Town of Westwood Permit Application Forms which include Filing Procedure Summary, Plans Checklist, Worksheet for Fees, 45 Day Time Waiver Requirement, Wetland Permit Application: Town Clerk, Notice to Abutters and Abutter Information.
- 9 Copies of the Notice of Intent, Building Permit Plan dated August 1, 2018
- A certified list of abutters for the Town of Westwood and the Town of Norwood
- A check in the amount of \$3062.50 for the Town share of the Notice of Intent filing fee (\$262.50) and for the Westwood Bylaw filing fee (\$2,800).

The abutters to the Project have been notified of the filing, as required. Furthermore, it is our understanding that the Commission will be placing the legal ad for the Project and the Applicant will be responsible for the billing.

If you have any questions or need additional information, please contact me.

Sincerely,

NORWOOD ENGINEERING CO., INC.

David A. Johnson, AJCP

Senior Project Manager

CC: David Spiegel, Trustee - Applicant Town Clerk

Norwood Engineering Co., Inc. \* Consulting Engineers & Land Surveyors 1410 Route One \* Norwood, Ma. 02062 \* (781) 762-0143 \* FAX (781) 762-8595 95 State Road \* Box 207 \* Sagamore Beach, Ma. 02562 \* (508) 888-0088



## WPA Form 3 – Notice of Intent

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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number Westwood

City/Town

Important: When filling out forms on the 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.

٦.	General Information				
,	Project Location (Note: electronic filers will click on button to locate project site):				
	21 Hedgerow Lane	Westwood	02092		
	a. Street Address	b. City/Town	c. Zip Code		
		42-12-23	71-09-56		
	Latitude and Longitude:	d. Latitude	e. Longitude		
	32	202			
	f. Assessors Map/Plat Number	g. Parcel /Lot Number			
) 	Applicant:				
	David	Spiegel, Trustee			
	a. First Name	b. Last Name			
	Canton Street Realty Trust				
	c. Organization				
	PO Box 890				
	d. Street Address	<del></del>			
	Norwood	MA	02062		
	e. City/Town	f, State	g. Zip Code		
3.	h. Phone Number  i. Fax Number  Property owner (required if different from a	j. Email Address applicant):	nore than one owner		
į,	h. Phone Number  i. Fax Number  Property owner (required if different from a a. First Name	<u> </u>	nore than one owner		
<b>}</b> ,	Property owner (required if different from a	applicant): Check if m	nore than one owner		
3,	Property owner (required if different from a	applicant): Check if m	nore than one owner		
3,	Property owner (required if different from a a. First Name c. Organization	applicant): Check if m	g. Zip Code		
3.	Property owner (required if different from a a. First Name  c. Organization  d. Street Address	applicant): Check if m  b. Last Name			
	Property owner (required if different from a a. First Name  c. Organization d. Street Address e. City/Town	applicant): Check if m  b. Last Name  f. State			
	Property owner (required if different from a a. First Name  c. Organization d. Street Address e. City/Town h. Phone Number i. Fax Number Representative (if any):	applicant): Check if m  b. Last Name  f. State			
	Property owner (required if different from a a. First Name  c. Organization  d. Street Address  e. City/Town  h. Phone Number  i. Fax Number	applicant): Check if m  b. Last Name  f. State  j. Email address			
	Property owner (required if different from a a. First Name  c. Organization  d. Street Address  e. City/Town  h. Phone Number  Representative (if any):  David  a. First Name	applicant): Check if m  b. Last Name  f. State  j. Email address  Johnson			
	Property owner (required if different from a a. First Name  c. Organization  d. Street Address  e. City/Town  h. Phone Number  Representative (if any):  David	applicant): Check if m  b. Last Name  f. State  j. Email address  Johnson			
	Property owner (required if different from a a. First Name  c. Organization  d. Street Address  e. City/Town  h. Phone Number  Representative (if any):  David  a. First Name  Norwood Engineering Co., Inc  c. Company	applicant): Check if m  b. Last Name  f. State  j. Email address  Johnson			
	Property owner (required if different from a a. First Name  c. Organization  d. Street Address  e. City/Town  h. Phone Number  Representative (if any):  David  a. First Name  Norwood Engineering Co., Inc	applicant): Check if m  b. Last Name  f. State  j. Email address  Johnson	g. Zip Code		
	Property owner (required if different from a a. First Name  c. Organization  d. Street Address  e. City/Town  h. Phone Number  Representative (if any):  David  a. First Name  Norwood Engineering Co., Inc  c. Company  1410 Route One  d. Street Address	applicant): Check if m  b. Last Name  f. State  j. Email address  Johnson	g. Zip Code		
	a. First Name  c. Organization  d. Street Address  e. City/Town  h. Phone Number  Representative (if any):  David  a. First Name  Norwood Engineering Co., Inc  c. Company  1410 Route One	f. State  j. Email address  Johnson b. Last Name	g. Zip Code		
4.	Property owner (required if different from a a. First Name  c. Organization  d. Street Address  e. City/Town  h. Phone Number  Representative (if any):  David  a. First Name  Norwood Engineering Co., Inc  c. Company  1410 Route One  d. Street Address  Norwood	f. State  j. Email address  Johnson b. Last Name	g. Zip Code  02062 g. Zip Code		

\$237.50

b. State Fee Paid

\$500.00

a. Total Fee Paid

\$262.50

c. City/Town Fee Paid



## WPA Form 3 – Notice of Intent

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

Provided	bν	Mass	DEP:
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MassDFP	Eila	Numbe	5
Massine		TYGITING	51

**Document Transaction Number** 

Westwood City/Town

A.	General Information (continued)	
6.	General Project Description:	
	Demolition of an exisiting dwelling, the construction associated grading within the 100' Buffer Zone to a	of a new single family dwelling, driveway and Bordering Vegetated Wetland.
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. Utilities	6. Coastal engineering Structure
	7. Agriculture (e.g., cranberries, forestry)	8. Transportation
	9. Other	n n to total time Feelegies!
7b.	Is any portion of the proposed activity eligible to be Restoration Limited Project) subject to 310 CMR 1  If yes, describe which limit 10.24 and 10.53 for a com-	e treated as a limited project (including Ecological 0.24 (coastal) or 310 CMR 10.53 (inland)? ted project applies to this project. (See 310 CMR aplete list and description of limited project types)
	2. Limited Project Type	
	If the proposed activity is eligible to be treated as a CMR10.24(8), 310 CMR 10.53(4)), complete and a Project Checklist and Signed Certification.	an Ecological Restoration Limited Project (310 attach Appendix A: Ecological Restoration Limited
8.	Property recorded at the Registry of Deeds for:	
	Norfolk	b. Certificate # (if registered land)
	a. County 35979	533
	c. Book	d. Page Number
В	. Buffer Zone & Resource Area Imp	pacts (temporary & permanent)
1.	Ruffer Zone Only - Check if the project is loca	ted only in the Buffer Zone of a Bordering
2.	Vegetated Wetland, Inland Bank, or Coastal F Inland Resource Areas (see 310 CMR 10.54-	resource Area.

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.

Coastal Resource Areas).



Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands

## WPA Form 3 - Notice of Intent

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

P	rovided by MassDEP:
	MassDEP File Number
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	Westwood

City/Town

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

	Resour	ce Area	Size of Proposed Alteration	Proposed Replacement (if any)
e 11 - 12 - 12 - 12 - 12 - 12 - 12 - 12	а. 🗌	Bank	1. linear feet	2. linear feet
For all projects affecting other Resource Areas,	b. 🗌	Bordering Vegetated Wetland	1. square feet	2. square feet
please attach a narrative explaining how	c. 🗌	Land Under Waterbodies and	1. square feet	2. square feet
the resource area was		Waterways	3. cubic yards dredged	
delineated.	Resour	ce Area	Size of Proposed Alteration	Proposed Replacement (if any)
	d. 🗌	Bordering Land Subject to Flooding	1. square feet	2. square feet
			3. cubic feet of flood storage lost	4. cubic feet replaced
	е. 🗌	Isolated Land 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) - spec	ify coastal or inland
	2.	Width of Riverfront Area (	check one):	
		25 ft Designated De	ensely Developed Areas only	
		☐ 100 ft New agricultu	ural projects only	
		200 ft All other proje	ects	
	3.	Total area of Riverfront Are	a on the site of the proposed projec	t: square feet
	4.	Proposed alteration of the F	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 analysi	s been done and is it attached to thi	is NOI? Yes No
	6.	Was the lot where the activ	ity is proposed created prior to Aug	ust 1, 1996?
;	3. 🗌 Co	astal Resource Areas: (See	e 310 CMR 10.25-10.35)	
	Note:	for coastal riverfront areas,	please complete Section B.2.f. ab	ove.

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## WPA Form 3 – Notice of Intent

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

Pr	ovided by MassDEP:
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	Document Transaction Number
	Mechyood

City/Town

## 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 transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

Resource Area		Size of Proposed Alteration	Proposed Replacement (if any)
a. 🗌	Designated Port Areas	Indicate size under Land Under	r the Ocean, below
b. 🔲	Land Under the Ocean	1. square feet	
		2. cubic yards dredged	
с. 🗌	Barrier Beach	Indicate size under Coastal Bead	ches and/or Coastal Dunes below
d. 🔲	Coastal Beaches	1. square feet	2. cubic yards beach nourishment
е. 🗌	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 Ban Ocean, and/or inland Land Unde above	ks, inland Bank, Land Under the er Waterbodies and Waterways,
		cubic yards dredged	
I. 🔲	Land Subject to Coastal Storm Flowage	1, square feet	
If the p	estoration/Enhancement project is for the purpose of e footage that has been en nt here.	f restoring or enhancing a wetland tered in Section B.2.b or B.3.h abo	resource area in addition to the ve, please enter the additional
a. squar	re feet of BVW	b. square feet of	Salt Marsh
☐ Pr	oject Involves Stream Cros	ssings	
a. numb	er of new stream crossings	b. number of repl	acement stream crossings

4.

5.



## WPA Form 3 - Notice of Intent

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

Provided by MassDEP:
MassDEP File Number

Document	Transaction	Number

Westwood

	City/Town
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).
Str	eamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review
1.	Is any portion of the proposed project located in <b>Estimated Habitat of Rare Wildlife</b> 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 <i>Massachusetts Natural Heritage Atlas</i> or go to <a href="http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm">http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm</a> .
	a ☐ Yes ☒ No If yes, include proof of mailing or hand delivery of NOI to:
	Online version b. Date of map  Natural Heritage and Endangered Species Program Division of Fisheries and Wildlife 1 Rabbit Hill Road Westborough, MA 01581
	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); <i>OR</i> 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*
	Percentage/acreage of property to be altered:
	(a) within wetland Resource Area percentage/acreage
	(b) outside Resource Area percentage/acreage
	2. 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

wpaform3.doc • rev. 2/8/2018

<sup>\*</sup> Some projects not in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

<sup>\*\*</sup> 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. Page 5 of 9



## WPA Form 3 – Notice of Intent

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

Pr	ovided by MassDEP:
	MassDEP File Number
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	Westwood

City/Town

## C. Other Applicable Standards and Requirements (cont'd)

	(c) MESA filing fee (fee information available at <a href="http://www.mass.gov/dfwele/dfw/nhesp/regulatory">http://www.mass.gov/dfwele/dfw/nhesp/regulatory</a> review/mesa/mesa fee schedule.htm).  Make check payable to "Commonwealth of Massachusetts - NHESP" and <i>mail to NHESP</i> at above address			
	Projects	s altering 10 or more acres of land, also subr	nit:	
(d) Vegetation cover type map of site				
	(e)	Project plans showing Priority & Estima	ted Habitat boundaries	
	(f) OF	R Check One of the Following		
	1. 🔲	Project is exempt from MESA review. Attach applicant letter indicating which <a href="http://www.mass.gov/dfwele/dfw/nhesp.">http://www.mass.gov/dfwele/dfw/nhesp.</a> the NOI must still be sent to NHESP if t 310 CMR 10.37 and 10.59.)	regulatory review/m <u>esa</u>	mesa exemptions.htm;
	2. 🔲	Separate MESA review ongoing.	a. NHESP Tracking #	b. Date submitted to NHESP
	3.	Separate MESA review completed. Include copy of NHESP "no Take" dete Permit with approved plan.	rmination or valid Conser	vation & Management
3.	For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?			w the mean high water
	a. Not a	applicable – project is in inland resource	area only b.  Yes	□ No
	If yes, inclu	ide proof of mailing, hand delivery, or ele	ctronic delivery of NOI to	either:
	South Shore the Cape &	e - Cohasset to Rhode Island border, and Islands:	North Shore - Hull to New	Hampshire border:
	Southeast M Attn: Enviror 836 South F New Bedfore	Marine Fisheries - Marine Fisheries Station nmental Reviewer Rodney French Blvd. d, MA 02744 F.EnvReview-South@state.ma.us	Division of Marine Fisheric North Shore Office Attn: Environmental Revie 30 Emerson Avenue Gloucester, MA 01930 Email: <u>DMF.EnvRevie</u>	ewer

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.



## WPA Form 3 – Notice of Intent

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

Provided	bν	MassDEP:
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MassDEP File Number

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## C. Other Applicable Standards and Requirements (cont'd)

	4.	Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
Online Users: Include your document		a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). <b>Note:</b> electronic filers click on Website.
transaction		b. ACEC
number (provided on your receipt page)	5.	Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
with all 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 Management Standards?
		a. Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:  1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
		2. A portion of the site constitutes redevelopment
		• 3. Proprietary BMPs are included in the Stormwater Management 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 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.
	D.	Additional Information
		This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).
		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.)

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.

2. 🛛



## WPA Form 3 – Notice of Intent

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

Provided	bν	MassDEP:
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MassDEP	File Number
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Westwo	od
City/Town	

## D. Additional Information (cont'd)

IJ.	Ada	itional information (conta)			
	3. 🛚	Identify the method for BVW and other re Field Data Form(s), Determination of App and attach documentation of the meth	source area boundary delineations (MassDEP BVW licability, Order of Resource Area Delineation, etc.), nodology.		
	4. 🛛	List the titles and dates for all plans and o	other materials submitted with this NOI.		
		tice of Intent - Building Permit Plan dated			
		Plan Title			
		rwood Engineering Co., Inc	Matthew D. Smith, PE, PLS		
		Prepared By	c. Signed and Stamped by		
			1"=20'		
	d. F	inal Revision Date	e. Scale		
	f. A	dditional Plan or Document Title	g. Date		
	5. 🗌	If there is more than one property owner, listed on this form.	please attach a list of these property owners not		
	6. 🗌	Attach proof of mailing for Natural Heritage	ge and Endangered Species Program, if needed.		
7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, i			s Division of Marine Fisheries, if needed.		
	8. 🗵	Attach NOI Wetland Fee Transmittal For	m		
	9. 🔲	Attach Stormwater Report, if needed.			
_					
С.	Fees				
<ol> <li>Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or of the Commonwealth, federally recognized Indian tribe housing authority, municipal authority, or the Massachusetts Bay Transportation Authority.</li> </ol>			zed Indian tribe housing authority, municipal nousing		
	Applic Fee Ti	ants must submit the following information ransmittal Form) to confirm fee payment:	(in addition to pages 1 and 2 of the NOI Wetland		
	1296	,	8-14-18		
		cipal Check Number	3. Check date		
	1297		8-14-18		
		Check Number	5. Check date		
	Canto	n Street Realty Trust	Canton Street Realty trust		

7. Payor name on check: Last Name

6. Payor name on check: First Name



MassDEP File Number

## WPA Form 3 – Notice of Intent

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

Document Transaction Number Westwood

City/Town

Provided by MassDEP:

## 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.

11 Signature of Applicant).

3 Signature of Property Owner (if different)

5. Signature of Representative (if any)

4. Date

August 14, 2018

4. Date

August 14, 2018

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.

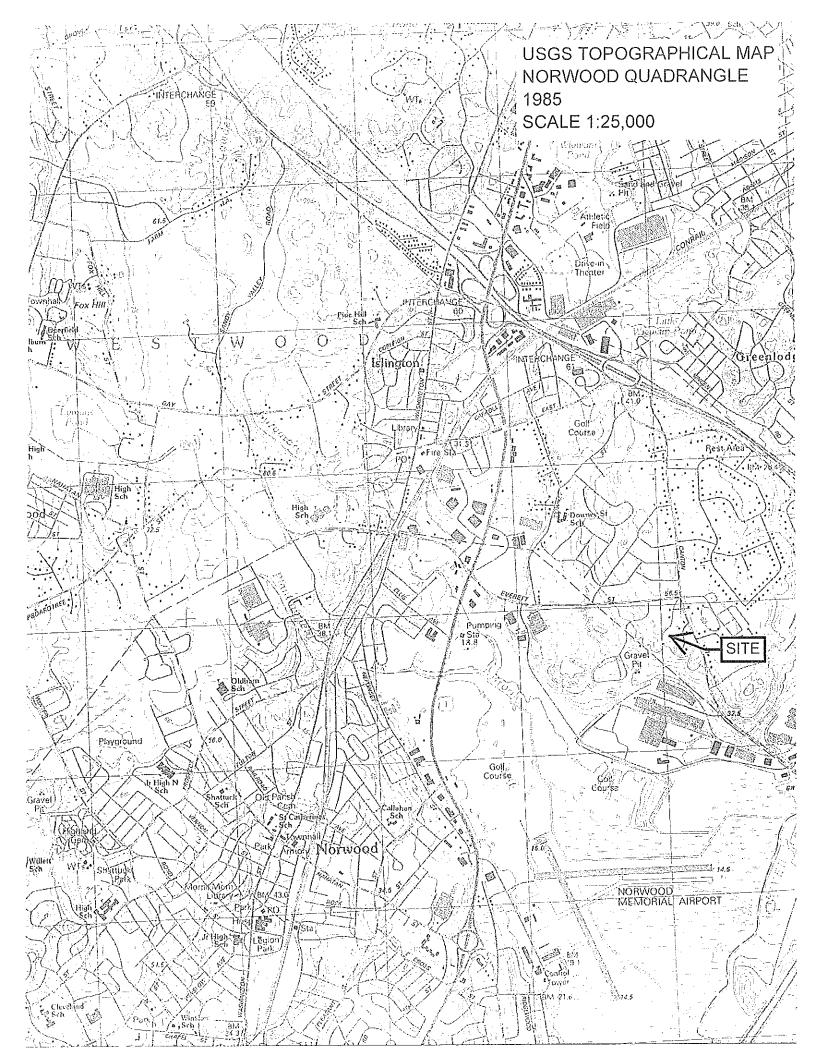
#### For MassDEP:

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.





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



key.



#### 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

## A. Applicant Information

1.	Location of Project:			
	21 Hedgerow Lane		Westwood, MA	
	a. Street Address		b. City/Town	
	c. Check number		d. Fee amount	
2.	Applicant Mailing Ad	dress:		
	David		Spiegel, Trustee	
	a. First Name		b. Last Name	
	Canton Street Realty	/ Trust		
	c. Organization	The state of the s		
	PO Box 890			
	d, Mailing Address			
	Norwood		MA	02062
	e. City/Town		f. State	g. Zip Code
	h. Phone Number	i, Fax Number	j. Email Address	
3.	Property Owner (if di	ifferent):		
	a. First Name		b. Last Name	
	c. Organization			
	d. Mailing Address			
	e. City/Town		f. State	g. Zip Code
	h. Phone Number	i. Fax Number	j. Email Address	

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.



## **NOI Wetland Fee Transmittal Form**

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

В.	Fees (continued)			
	Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
	Single Family Dwelling	1	500.00	\$500.00
		Step 5/T	otal Project Fee	
		Total	Project Fee:	\$500.00 a. Total Fee from Step 5
		State share	State share of filing Fee:	
		City/Town shar	e of filling Fee:	\$262.50 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.)

## EcoTec, Inc.

## ENVIRONMENTAL CONSULTING SERVICES 102 Grove Street

Worcester, MA 01605-2629 508-752-9666 - Fax: 508-752-9494

May 23, 2018

Mr. Joseph DePippo Norwood Engineering Co., Inc. 1410 Route One Norwood, MA 02062

RE: Wetland Resource Evaluation, 443 Canton Street and 9 and 21 Hedgerow Lane, Westwood, Massachusetts

Dear Mr. DePippo:

On January 15, 2016, EcoTec, Inc. ("EcoTec") inspected the above-referenced property for the presence of wetland resources as defined by: (1) the Massachusetts Wetlands Protection Act (M.G.L. Ch. 131, § 40; the "Act") and its implementing regulations (310 CMR 10.00 et seq.; the "Regulations"); (2) the Town of Westwood Wetlands Protection Bylaw (Article 18; the "Bylaw") and Conservation Commission Regulations (the "Bylaw Regulations"); and (3) the U.S. Clean Water Act (i.e., Section 404 and 401 wetlands). There was about one inch of snow cover at the time of the January 15, 2016 inspection. On May 23, 2018, EcoTec extended the wetland line onto the property at 21 Hedgerow Lane. John P. Rockwood, Ph.D., PWS conducted the inspections.

The subject site consists of three parcels totaling 13.11± acres located in eastern Westwood, Massachusetts along the Westwood/Norwood municipal boundary. The first parcel, 443 Canton Street, consists of 10± acres of land located at the terminus of Wight Lane between Lyons Drive to the west and Canton Street to the east. This parcel is developed with a residential house and outbuildings. The remainder of this parcel is wooded and consists largely of upland forest. Plant species observed in the upland forest include northern red oak (Quercus rubra), white oak (Quercus alba), eastern white pine (Pinus strobus), spruce (Picea sp.), eastern red cedar (Juniperus virginiana), black cherry (Prunus serotina), red maple (Acer rubrum), Norway maple (Acer platanoides), shag-bark hickory (Carya ovata), and white ash (Fraxinus americana) trees, saplings, and/or shrubs; poison ivy (Toxicodendron radicans), Virginia creeper (Parthenocissus quinquefolia), oriental bitter-sweet (Celastrus orbiculata), and grape (Vitis sp.) climbing woody vines and ground cover; American witch-hazel (Hamamelis virginiana), highbush blueberry (Vaccinium corymbosum), honeysuckle (Lonicera sp.), multiflora rose (Rosa multiflora), European privet (Ligustrum vulgare), Japanese barberry (Berberis thunbergii), common buckthorn (Rhamnus cathartica), and glossy buckthorn (Rhamnus frangula) shrubs; and sheeplaurel (Kalmia angustifolia), bracken fern (Pteridium aquilinum), hayscented fern (Dennstaedtia punctilobula), golden-rods (Solidago sp.), and grasses (Gramineae sp.) ground cover. The Mr. Joseph DePippo May 23, 2018 Page 2.

remaining parcels, 9 and 21 Hedgerow Lane, total 3.11± acres of land located north and west of Hedgerow Lane. The former parcel was developed with a single-family house, tennis court, driveway, and associated lawn and landscaping (currently a subdivision roadway) while the latter parcel is currently developed with single-family house with deck, paved driveway, and associated land and landscaping, respectively. The wetland resources observed on the site are described below.

#### Methodology

The site was inspected, and areas suspected to qualify as wetland resources were identified. The boundary of Bordering Vegetated Wetlands was delineated in the field in accordance with the definition set forth in the regulations at 310 CMR 10.55(2)(c). Section 10.55(2)(c) states that "The boundary of Bordering Vegetated Wetlands is the line within which 50% or more of the vegetational community consists of wetland indicator plants and saturated or inundated conditions exist." The methodology used to delineate Bordering Vegetated Wetlands is further described in: (1) the BVW Policy "BVW: Bordering Vegetated Wetlands Delineation Criteria and Methodology," issued March 1, 1995; and (2) "Delineating Bordering Vegetated Wetlands Under the Massachusetts Wetlands Protection Act: A Handbook," produced by the Massachusetts Department of Environmental Protection, dated March 1995. The plant taxonomy used in this report is based on the National List of Plant Species that Occur in Wetlands: Massachusetts (Fish and Wildlife Service, U.S. Department of the Interior, 1988). Bylaw and federal wetlands were presumed to have boundaries conterminous with the delineated Bordering Vegetated Wetlands. One set of DEP Bordering Vegetated Wetland Delineation Field Data Forms completed for observation plots located in the wetlands and uplands near flag A27 is attached. The table below provides the Flag Numbers, Flag Type, and Wetland Types and Locations for the delineated wetland resources.

Flag Numbers	Flag Type	Wetland Types and Locations
Start A1 to A33 Stop (1/15/16)	Blue Flags	Boundary of Bordering Vegetated Wetlands
		located in the southeastern portion of the site
Connect to A34 to A45 Stop (5/23/18)	Pink Flags	that is associated with an off-site intermittent
•		stream.

Note: This evaluation describes the wetland resources located on the site within Westwood that were delineated by EcoTec under these evaluations. It must be noted that in January 2016 pink/black flags placed by others were observed in Norwood to the southwest of the site. EcoTec did not evaluate these flags as the property was posted. One of these wetland areas beginning with WF308 at the property line is a continuation of the A-series line detailed above (i.e., flag WF308 connects to A1). The other two wetland areas are off-site; WF217 to WF222 would project a 100-foot Buffer Zone onto the site; WF 129 to WF130 would not project a 100-foot Buffer Zone onto the site based upon the NECI survey.

#### Findings

Wetland A (i.e., blue flags A1 to A33 connect to pink flags A34 to A45) consists of a forested swamp located in the southeastern portion of the site that is associated with an intermittent stream. Plant species observed include red maple (*Acer rubrum*), northern catalpa (*Catalpa* 

Mr. Joseph DePippo May 23, 2018 Page 3.

speciosa), eastern hemlock (Tsuga canadensis), and American elm (Ulmus americana) trees and/or saplings; poison ivy (Toxicodendron radicans) and common greenbrier (Smilax rotundifolia) climbing woody vines; highbush blueberry (Vaccinium corymbosum), common winterberry (Ilex verticillata), arrow-wood (Viburnum dentatum), silky dogwood (Cornus amomum), glossy buckthorn (Rhamnus frangula), and sweet pepper-bush (Clethra alnifolia) shrubs; and sheep-laurel (Kalmia angustifolia), bristly blackberry (Rubus hispidus), cinnamon fern (Osmunda cinnamomea), royal fern (Osmunda regalis), sensitive fern (Onoclea sensibilis), spinulose woodfern (Dryopteris spinulosa), spotted touch-me-not (Impatiens capensis), goldenrods (Solidago sp.), and sphagnum moss (Sphagnum sp.) ground cover. Evidence of wetland hydrology, including hydric soils, high groundwater, saturated soils, pore linings, evidence of flooding, and drainage patterns, was observed within the delineated wetland. This vegetated wetland borders an intermittent stream; accordingly, the vegetated wetlands would be regulated as Bordering Vegetated Wetlands and the intermittent stream would be regulated as Bank under the Regulations and Bylaw/Bylaw Regulations. A 100-foot Buffer Zone extends horizontally outward from the edge of Bordering Vegetated Wetlands under the Regulations and Bylaw/Bylaw Regulations.

Bordering Land Subject to Flooding is an area that floods due to a rise in floodwaters from a bordering waterway or water body. Where flood studies have been completed, the boundary of Bordering Land Subject to Flooding is based upon flood profile data prepared by the National Flood Insurance Program. Section 10.57(2)(a)3. states that "The boundary of Bordering Land Subject to Flooding is the estimated maximum lateral extent of flood water which will theoretically result from the statistical 100-year frequency storm." Based upon a review of the Flood Insurance Rate Map, Norfolk County, Massachusetts, Map Number 25021C0183E, Effective Date July 17, 2012 (Dynamic FIRMette attached), the site and surrounding area are mapped as Other Area: Zone X, which is defined as areas located outside of the 0.2% annual chance flood (i.e., outside of 500-year floodplain). The project engineer should confirm the absence of Bordering Land Subject to Flooding on the site. When present, Bordering Land Subject to Flooding would occur in areas where the 100-year floodplain is located outside of or upgradient of the delineated Bordering Vegetated Wetlands boundary. Bordering Land Subject to Flooding does not have a 100-foot Buffer Zone under the Regulations and Bylaw/Bylaw Regulations.

The Massachusetts Rivers Protection Act amended the Act to establish an additional wetland resource area: Riverfront Area. Based upon a review of the current USGS Map (i.e., Norwood Quadrangle, dated 1985, attached) and observations made during the site inspection, a stream that is not shown on the USGS Map is located off-site to the southeast and south. The watershed area for this stream at the site was determined to be 0.0372 square miles (see attached Massachusetts StreamStats Basin Characteristics Ungaged Site Report). As such, the stream would be designated intermittent under the Regulations and the Bylaw/Bylaw Regulations. Furthermore, based upon a review of the current USGS Map and observations made during the site inspection, there are no other mapped or significant unmapped streams

Mr. Joseph DePippo May 23, 2018 Page 4.

located within 200 feet of the site. Accordingly, Riverfront Area would not occur on the site. Riverfront Area does not have a Buffer Zone under the Act/Regulations or Bylaw/Bylaw Regulations.

The Regulations require that no project may be permitted that will have any adverse effect on specified habitat sites of rare vertebrate or invertebrate species, as identified by procedures set forth at 310 CMR 10.59. Based upon a review of the *Massachusetts Natural Heritage Atlas*, 14<sup>th</sup> edition, Priority Habitats and Estimated Habitats, valid from August 1, 2017 and Certified Vernal Pools as of May 23, 2018 from MassGIS (attached), there are no Estimated Habitats [for use with the Act and Regulations (310 CMR 10.00 *et seq.*)], Priority Habitats [for use with Massachusetts Endangered Species Act (M.G.L. Ch. 131A; "MESA") and MESA Regulations (321 CMR 10.00 *et seq.*)], or Certified Vernal Pools on or in the immediate vicinity of the site.

The reader should be aware that the regulatory authority for determining wetland jurisdiction rests with local, state, and federal authorities. A brief description of my experience and qualifications is attached. If you have any questions, please feel free to contact me at any time.

Cordially,

ECOTEC, INC.

John P. Rockwood, Ph.D., PWS Chief Environmental Scientist

Attachments (6, 10 pages)

John P. Rochwood

18/wr/WESTWOOD443CANTONWREREV

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

Applicant:	Prepared by: EcoTec, Inc.	Project location: Canton Street, Westwood	DEP File #:
Vegetation and other indications	quate to delineate BVW boundary: fill out Se s of hydrology used to delineate BVW bounda est used (attach additionat information)		

Section I. Vegeta	tion Ob	servation Plot Number: A27	Transect Numb	er: Up	Date of Delir	neation: 1/15/2016
A. Sample Layer and (by common/scient			B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category * #
Tree	Norway Maple	Acer platonoides	60	86	Yes	NL
	Eastern White Pine	Pinus strobus	10	14	No	FACU
Climbing Woody Vine	Virginia Creeper	Parthenocissus quinquefolia	10	100	Yes	FACU
Sapling	Norway Maple	Acer platanoides	10	100	Yes	NL
Shrub	European Privet	Ligustrum vulgare	25	42	Yes	FACU
	Blackberry	Rubus alleghaniensis	15	25	Yes	FACU-
	Multiflora Rose	Rosa multiflora	20	33	Yes	FACU
Ground Cover	Wrinkled Golden-rod	Solidago rugosa	20	100	Yes	FAC*

\*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, FACH, 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 conclusions:

Number of dominant wetland indicator plants: 1 Number of dominant non-wetland indicator plants: 6

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

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

MA DEP; 3/95

<sup>#</sup> Plant Taxonomy and Wetland Indicator Category from "National List of Plant Species that Occur in Wetlands: Massachusetts" (Fish & Wildlife Service, U.S. Department of the Interior, 1988) as required by 310 CMR 10.55(2)(e).

TRANSPORT AND VIR (CONT.)					
TRANSECT A27 UP (CONT.)	Other Indications of Hydrology: (check all that apply and describe)				
Section II. Indicators of Hydrology	Site inundated:				
1. Soil Survey	Depth to free water in observation hole:				
Is there a published soil survey for this site?	Depth to soil saturation in observation hole:				
title/date: - map number: -	☐ Water marks:				
soil type mapped: - hydric soil inclusions: -	Drift lines:				
Are field observations consistent with soil survey?	Sediment deposits:				
Remarks: -	Drainage patterns in BVW:				
remarks. •	Oxidized rhizospheres:				
	☐ Water-stained leaves:				
Soil Description     Horizon Depth (inches) Matrix Color Mottle Color	Recorded data (stream, lake, or tidal gauge; aerial photo; other):				
A 0-S 10 YR 3/1 Loam - B 8-16 10 YR 5/6 Sandy Loam -	Other:				
	Vegetation and Hydrology Conclusion yes no				
	Number of wetland indicator plants ≥ number of non-wetland indicator plants				
Remarks: Terminated at 16 inches; groundwater not encountered.	Wetland hydrology present:				
	hydric soil present				
3. Other; -	other indicators of hydrology present				
Conclusion: Is soil Hydric? No	Sample location is in a BVW				

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

Applicant:	Prepared by: EcoTec, Inc.	Project location: Canton St	Street, Westwood	DEP File #:	
Vegetation and other indications	quate to delineate BVW boundary: fill out Sec of hydrology used to delineate BVW bounda st used (attach additional information)		11		

ection I. Vegeta	tion	Observation Plot Number: A27	Transect Numb	er: Wet	Date of Delineation: 1/15/2016			
. Sample Layer and (by common/scient		#	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category * #		
Tree	Norway Maple	Acer platanoides	20	22	Yes	NL		
	Red Maple	Acer rubrum	60	67	Yes	FAC*		
	White Ash	Fraxinus americana	10	11	No	FACU		
Climbing Woody Vine	Poison Ivy	Toxicodendron radicans	10	100	Yes	FAC*		
Sapling	Red Maple	Acer rubrum	10	100	Yes	FAC*		
Shrub	Northern Catalpa	Catalpa speciosa	15	27	Yes	FAC*		
	Red Maple	Acer rubrum	10	18	No	FAC*		
	Japanese Barberr	y Berberis thunbergii	20	36	Yes	FACU		
	Silky Dogwood	Согниз атопшт	10	18	No	FACW*		
Ground Cover	Poison Ivy	Toxicodendron radicans	20	80	Yes	FAC*		
	Sensitive Fern	Onoclea sensibilis	5	20	Yes	FACW*		

#### Vegetation conclusions:

Number of dominant wetland indicator plants: 6 Number of dominant non-wetland indicator plants: 2 Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes

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.

MA DEP; 3/95

<sup>#</sup> Plant Taxonomy and Wetland Indicator Category from "National List of Plant Species that Occur in Wetlands: Massachusetts" (Fish & Wildlife Service, U.S. Department of the Interior, 1988) as required by JIO CMR 10.55(2)(c).

<sup>\*</sup>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, 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.

TRANSECT A27 WET (CONT.)  Section II. Indicators of Hydrology  1. Soil Survey  Is there a published soil survey for this site?	Other Indications of Hydrology: (check all that apply and describe)  Site inundated:  Depth to free water in observation hole:
title/date: - map number: - soil type mapped: - hydric soil inclusions: -	☐ Depth to soil saturation in observation hole: Within 12 inches of surfac ☐ Water marks: ☐ Drift lines:
Are field observations consistent with soil survey? - Remarks: -  2. Soil Description	☐ Sediment deposits: ☐ Drainage patterns in BVW: ☐ Oxidized rhizospheres: Within 12 inches of surface ☐ Water-stained leaves: ☐ Recorded data (stream, lake, or tidal gauge; aerial photo; other):
Horizon Depth (inches) Matrix Color Mottle  A 0-12 10 YR 2/1 Mucky Leam Pore Li B 12-16 10 YR 5/2 Sandy Leam 7.5 YR	inings
Remarks: Terminated at 16 inches.	Vegetation and Hydrology Conclusion  yes no  Number of wetland indicator plants  ≥ number of non-wetland indicator plants  Wetland hydrology present:
3. Other: - Conclusion: Is soil Hydric? Yes	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.

# National Flood Hazard Layer FIRMette 👺 FEMA NINAL FLOOD HAZARI 1:6,000

2,000

250

1,000

1,500

#### Legend

SEE ITS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) Zon, A. V. ASS With BFE or Depth SPECIAL FLOOD HAZARD AREAS Regulatory Floodway Zonc AE, AO, AH, VE, AR 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile 2002. Future Conditions 1% Annual Chance Flood Hazard Zene X Area with Reduced Flood Risk due to OTHER AREAS OF Levee, See Notes, Issue) Area with Flood Risk due to Leveezees NO SCREEN Area of Minimal Flood Hazard Torch Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard 2004 0 --- - Channel, Culvert, or Storm Sewer GENERAL STRUCTURES | Hammin Levee, Dike, or Floodwaff 29.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Bevation Coastal Transect Base Flood Elevation Line (BFE) Limit of Study \_ furisdiction Roundary --- Coastal Transect Baseline OTHER FEATURES Profile Baseline Hydrographic Feature Digital Data Available No Digital Data Available  $\boxtimes$ MAP PANELS This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The base map shown complies with FEMA's base map accuracy standards

The flood hazard information is derived directly from the authoritative NPRL web services provided by FEMA. This map was exported on 5/23/2018 at 3.05:25 PM and does not reflect changes or amendments subsequent to this date and time. The NPRL and effective information may change or become superseded by new data over time.

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



#### Basin Characteristics Ungaged Site Report

Date: Thurs Jan 28, 2016 1:35:22 PM GMT-5

Study Area: Massachusetts

NAD 1983 Latitude: 42.2047 (42 12 17) NAD 1983 Longitude: -71.1676 (-71 10 04)

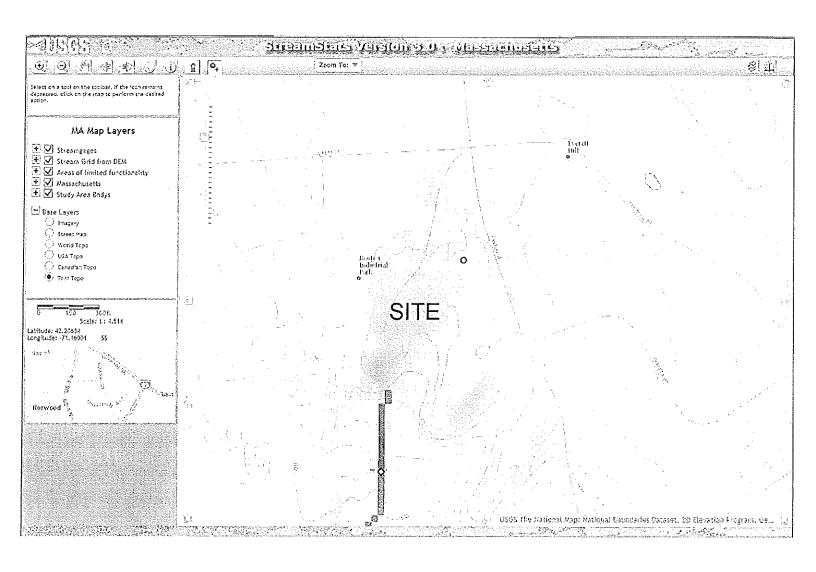
Label	Value	Units	Definition
DRNAREA	(0.0372)	square miles	Area that drains to a point on a stream
STRMTOT	0	miles	Total length of mapped streams in basin
DRFTPERSTR	-100000	square mile per mile	Area of stratified drift per unit of stream length
MAREGION	0	dimensionless	Region of Massachusetts 0 for Eastern 1 for Western
FOREST	0.73	percent	Percentage of area covered by forest
CRSDFT	85.89	percent	Percentage of area of coarse-grained stratified drift
BSLDEM10M	3.27	percent	Mean basin slope computed from 10 m DEM
BSLDEM250	0.548	percent	Mean basin slope computed from 1:250K DEM
ACRSDFT	0.0326	square miles	Area underlain by stratified drift
LC11IMP	22	percent	Percentage of impervious area determined from NLCD 2011 impervious dataset
LC11DEV	67.1	percent	Percentage of land-use from NLCD 2011 classes 21-24
ELEV	179	feet	Mean Basin Elevation
PRECPRISOO	49	inches	Basin average mean annual precipitation for 1971 to 2000 from PRISM
LAKEAREA	0	percent	Percentage of Lakes and Ponds
OUTLETX	227445	State plane coordinates	Basin outlet horizontal (x) location in state plane coordinates
OUTLETY	883855	State plane coordinates	Basin outlet vertical (y) location in state plane coordinates
MAXTEMPC	15.4	degrees	Mean annual maximum air temperature over basin area, in degrees Centigrade
WETLAND	0	percent	Percentage of Wetlands
CENTROIDX	227568.5	State plane coordinates	Basin centroid horizontal (x) location in state plane coordinates
CENTROIDY	884177.6	State plane coordinates	Basin centroid vertical (y) location in state plane units

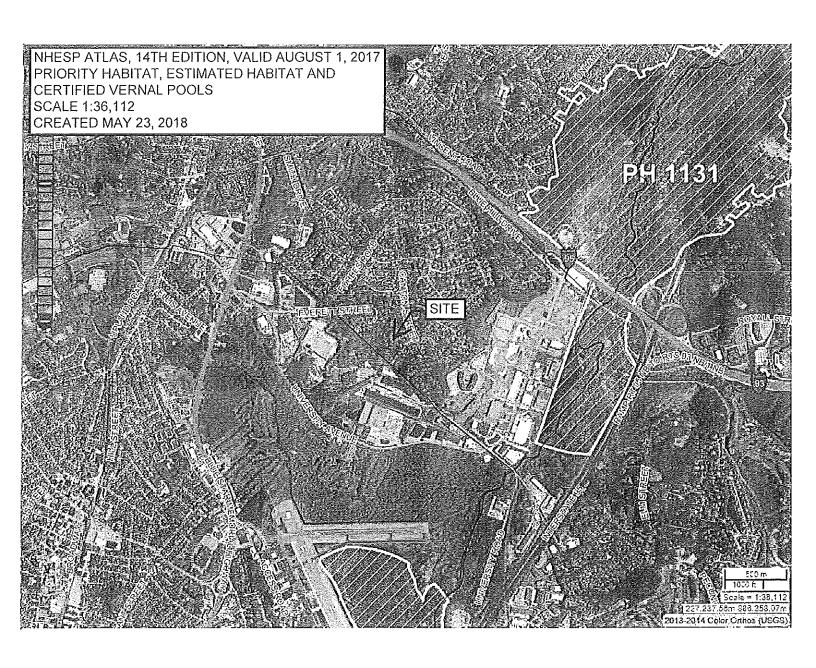
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USA.gov

Suppositions Spice





## EcoTec, Inc.

#### ENVIRONMENTAL CONSULTING SERVICES

102 Grove Street Worcester, MA 01605-2629 508-752-9666 – Fax: 508-752-9494

#### John P. Rockwood, Ph.D., PWS Chief Environmental Scientist

Dr. John P. Rockwood has been with EcoTec, Inc. since October 1999. Dr. Rockwood was previously a Chief Environmental Scientist at Sanford Ecological Services, Inc. of Southborough, Massachusetts from September 1990 to October 1999. Dr. Rockwood was certified in August 2002 and recertified in March 2008 and January 2013 as a Professional Wetland Scientist (PWS) by the Society of Wetland Scientists, the leading professional organization in the field. His project experience includes wetland resource evaluation, delineation, and permitting at the local, state, and federal levels; wildlife habitat evaluation; pond and stream evaluation; vernal pool evaluation, certification, construction/replication, and monitoring; rare species habitat and impact assessment; wetland replacement, replication, and restoration area design, construction, and monitoring; and expert testimony preparation. He has served as a consultant to municipalities, conservation commissions, the development community, engineering and survey firms, industry, and citizen's groups. He has managed and participated in a wide variety of wetlands-related projects ranging in scope from single-family house lots to subdivisions, commercial developments, golf courses, a water park, and a regional mall. He has assessed the potential impacts of stormwater runoff, landfill leachate, and/or hazardous waste disposal sites on rare vertebrate and/or invertebrate species, and has conducted and/or directed surveys, delineated actual habitat, conducted habitat evaluations, and/or developed mitigation strategies necessary to protect rare vertebrate, invertebrate, and plant species and their habitats from proposed development-related impacts. He has conducted a drift fence study for the marbled salamander. He has conducted and led preconstruction sweeps for the spotted turtle, wood turtle, and eastern box turtle. He has filed MESA Project Review Checklists and has prepared applications for Conservation and Management Permits under MESA. He has conducted environmental impact assessments, and has prepared MEPA documentation related to an office park, an MBTA commuter train station, a water park, residential subdivisions, a landfill, and a regional mall. Dr. Rockwood also has extensive experience in environmental site assessment related to possible oil and/or hazardous material contamination. He has conducted numerous environmental assessments, several including subsurface investigations, for sites located in Massachusetts, and has conducted preliminary environmental assessments for properties located in New York, New Hampshire, and Rhode Island. He has conducted ecological risk assessments (i.e., Stage I Environmental Screenings and Stage II Environmental Risk Characterizations) for a number of disposal sites in Massachusetts, including several disposal sites that had the potential to affect statelisted vertebrate and invertebrate species, and has utilized the EPA Rapid Bioassessment Protocol for macroinvertebrates to assess potential impacts of disposal sites and hazardous material releases on streams and rivers in Massachusetts and New York. He has served as the environmental contractor to the Franklin Consolidated Office of the Federal Deposit Insurance Corporation (FDIC-FCO) for 16 months, where he reviewed environmental reports, prepared scopes-of-work for site assessments, and provided technical advice to FDIC employees related to environmentally compromised assets. Dr. Rockwood has designed, conducted, and evaluated numerous surface water and groundwater monitoring programs. His prior research includes a laboratory study of the effects of low pH and aluminum on dragonfly nymphs and a field survey of the impact of chlorinated sewerage effluent of algal periphyton community dynamics. Dr. Rockwood is the co-author of a text book on aquatic biology, and is the principal author of three peer-reviewed research publications in the field of aquatic toxicology that address the effect of low pH and aluminum on nymphs of the dragonfly Libellula julia. Dr. Rockwood has served as the as the Editor of the AMWS Newsletter from November 2004 to October 2010 and as Assistant Editor from May 2003 to November 2004 and October 2010 to January 2012. He has served as President of the Association of Massachusetts Wetland Scientists from November 2013 to December 2015 and as Immediate Past President from December 2015 to December 2017.

Education: Doctor of Philosophy (Ph.D.): Aquatic Pollution Biology – Plant and Soil Sciences

University of Massachusetts at Amherst, 1989

Bachelor of Science (B.S.): Environmental Sciences, Summa Cum Laude

University of Massachusetts at Amherst, 1984

Professional Affiliations: Society for Freshwater Science

Sigma Xi, Full Member

Association of Massachusetts Wetland Scientists, Voting Member

Society of Wetland Scientists

Massachusetts Association of Conservation Commissions

Certifications: Society of Wetlands Scientists Professional Wetland Scientist, Certification Number 1349

OSHA Health and Safety Training, 40-Hour Training, 29 CFR 1910.120

OSHA Health and Safety Training, 8-Hour Supervisor Training OSHA Health and Safety Training, 8-Hour Refresher Training

#### TOWN OF WESTWOOD

Commonwealth of Massachusetts

Joseph I., Previtera, Chairman Leo I. Crowe William Stowe Clear C. Pary



Steven Woodworth, Vice Chair Michael Terry John C. Musterson

#### CONSERVATION COMMISSION

#### Filing Procedure Summary

The following procedures must be followed when filing under M.G.L. c.131, §40 or the Westwood Wetlands Protection Bylaw, Article 18, for a wetland permit. The procedures apply to Notice of Intents, Abbreviated Notice of Intents, Request for Determinations, and Abbreviated Notice of Resource Area Determination. All applications for permits under M.G.L. c.131, §40 must also be filed under the Westwood Wetlands Protection Bylaw, Article 18.

This summary is not to be considered all inclusive and in no way should an applicant misconstrue its contents to replace any part of M.G.L. c.131, §40 or the Westwood Wetlands Bylaw, Article 18.

- ☑ Nine (9) copies of the permit application and plans must be filed with the Conservation Commission by Certified Mail or hand delivered to the Commission Wednesday before noon, two weeks prior to the meeting.
- □X One copy of the permit application must be filed with the Town Clerk at least five (5) working days prior to the public hearing. All plans and supporting documents submitted to the Conservation Commission must accompany the filing to the Town Clerk.
- ☑ The applicant must FAX a signed affidavit to the Conservation Commission indicating that a complete copy of the application and associated plans has been filed with the Town Clerk. The FAX number is (781) 461-6837.
- © One complete copy of the application must be filed with the Department of Environmental Protection at:

Department of Environmental Protection NERO – Wetlands Division 205B Lowell Street Wilmington, MA 01887

X' The application must include a certified list of abutters located within 300 feet of the property boundaries, according to the most recent records of the Town Assessors.

- ★ The applicant, at the applicant's expense, shall post to each abutter by certified mail, seven (7) working days prior to the hearing, by Return Receipt Requested or Certificate of Mailing, a copy of the public hearing notice supplied to applicant by the Commission and shall state where copies of the application, including plans, may be examined. Such notice shall include the date, time and location of the public hearing.
- At the applicant's expense, the Commission shall publish a legal notice in the Daily Transcript announcing the public hearing. The legal notice must be published at least five (5) working days prior to the hearing date. The notice shall include the date, time and location of the public hearing.
- ĭ The application must include a signed copy of the 45 day waiver form. This allows the Commission adequate time to respond to all filings in a reasonable fashion during times of increased work load.
- ☑ The application must include a copy of the Town of Westwood filing fee worksheet, a wetland transmittal worksheet and checks to cover the appropriate fees made out to the Town of Westwood.
- ☐ A copy of the decision rendered by the Conservation Commission for a Determination will be sent to the applicant, to the Department of Environmental Protection and the Building Department.
- ☑ The applicant must provide the Conservation Commission with the following information on or before the opening of the public hearing:
- 1 A copy of the local newspaper advertisement.
- 2. Proof of abutter notification sent to each abutter.

## Worksheet for Fees Westwood Wetlands Bylaw – Article 18 (in Addition to DEP filing Fees)

Applicant: David Spiegel, Trus	stee, Canton Street Realty Trust
Address: PO Box 890 Norwo	ood, MA 02062
Location of Project: 21 Hedge.	row Lane
-	low Lane
Notice of Intent	
<ol> <li>Minor project</li> </ol>	\$100.00
<ol><li>Major project</li></ol>	\$250.00 plus \$1.00 additional sq. ft.
3. New single family home	\$2,800 \$500.00 plus \$1.00 per 10 sq. ft. of disturbance
4. Subdivision road and utility	\$750.00 plus \$5.00 per road sideline in resource or buffer zone
5. Drainage detention/retention	\$750.00 plus \$1.00 per 10cf. of basin in resource or buffer zone
<ol><li>Multiple Dwelling</li></ol>	\$500.00 plus \$100.00/unit and \$1.00 per 10 sq. ft. of disturbance
7. Commercial institutional, industrial	\$750.00 plus \$1.00 per 10 sq. ft. of disturbance
8. Request for Det. of Applicability	@ \$50.00
9. ANORAD	\$750.00 plus \$1.00 per 10 sq. ft. of disturbance
10. Application filed after enforcement	Double application fees
11. Amendments	\$100.00
12. Certificate of Compliance	
Residence	\$100.00
Non Residence	\$100.00
Commercial or subdivision	\$200.00
13. Emergency Certificate	\$100.00
14. Agent Site Visit	
Resident	\$25.00 per hour
Non Resident	\$45.00 per hour
Total \$ 5	\$2.800

See Westwood Wetlands Protection Bylaw Regulations for more detail.

#### TOWN OF WESTWOOD

Commonwealth of Massachusetts

Aeseph E. Previtera, Chomman Loo E. Crowd William Stood Charles Pare



Steven Woodworm, Vice Chair Michael Terry John C. Masterson

#### CONSERVATION COMMISSION

#### Time Waiver Requirement

Westwood Conservation Commission Westwood Town Hall 50 Carby Street Westwood, MA 02090

Dear Commission:

I hereby waive the benefit of the time requirements set forth in Chapter 131 s. 40, (Wetland Protection Act) of the Massachusetts General Laws, 310 CMR. 10.00 Regulations, and the Town of Westwood Wetlands Protection By-Law, which require the Conservation Commission to convene a hearing and issue a Determination or Order within the time periods specified therein.

The public hearing shall be scheduled for the next available time slot on the meeting agenda upon receipt of the filing of a COMPLETE Notice of Intent or Request for Determination of Applicability.

The Order of Conditions or Determination of Applicability shall be issued within 45 days of the close of the public hearing.

/ /

licant's or Representative's Signature

Project Location: 21 Hedgerow Lane

Project Type: Residential - single family construction

## Affidavit of Service

of

## **Abutter Notification**

#### Under the

## Wetlands Protection Act

## And Local By-Law

The undersigned herby certifies under the pains and penalties of perjury that on the date below that I mailed, by Certificate of Mailing, notification to abutters in connection with a Notice of Intent filed under the Massachusetts Wetlands Protection Act. Notification was in compliance with the second paragraph of Massachusetts General Laws, Chapter 131, Section 40 and the DEP Guide to Abutter Notification dated April 8, 1994.

Applicant: David Spiegel, Trustee, Canton Street Realty Trust

Conservation Commission for the Town of: Westwood

For property located at: 21 Hedgerow Lane, Westwood, MA

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

Bv:

Dated:

106057 2

, 2018

## NOTICE TO ABUTTERS

# Under the Massachusetts Wetlands Protection Act and

## Westwood Wetland Bylaw

#### **Notice of Intent**

The Westwood Conservation Commission will hold a public hearing, under M.G.L. Chapter 131, Section 40 and the Westwood Wetland Bylaw on

Date: _	September 12, 2018	3	
Time:	7:00 PM		
Place:	Champagne Meetii	ng Room	
	Municipal Building		
<del></del>	50 Carby Street		
A pern	nit is requested by	David Spiegel, Trustee	
of	Canton Street Realty	Trust	

The property is located at \_\_\_\_#21 Hedgerow Lane. Proposed is the demolition of the exisiting house and the construction of a new dwelling with associated site work.

A complete copy of this filing is available to the public at the Westwood Conservation Commission office. Notice of the Conservation Commission meeting is posted in the Town Hall not less than 48 hours in advance as required by Open Meeting Law.

ABUTTERS LIST - MAP 32 LOT 202 WESTWOOD, MA

	CALCEL LOCATION	TO NOTING CAS	485 CANTON ST	MA 02071-1117 471 CANTON ST	HEDGEROW IN	S WIGHT IN	492 CANTON ST	504 CANTON ST	520 CANTON ST	15 HEMLOCK DR	9 HEDGEROW IN	501 CANTON ST	493 CANTON ST	6 HEDGEROW IN	18 REDGEROW LN	21 HEDGEROW IN	HEDGEROW IN	HEDGEROW IN	HEDGEROW LN	HEDGEROW LN	HEDGEROW IN
\$ 6	MA 02090	MA 02090	MA 02090	MA 02071-11	MA 02062	MA 02090	MA 02090	MA 02090	MA 02090	MA 02090	MA 02062	MA 02090	MA 02090	MA 02090	MA 02090	MA 02090	MA 02062	MA 02062	MA 02062	MA 02062	MA 02062
ţţ	WESTWOOD	WESTWOOD	WESTWOOD	S. WALPOLE	NORWOOD	WESTWOOD	WESTWOOD	WESTWOOD	WESTWOOD	WESTWOOD	NORMOOD	WESTWOOD	WESTWOOD	WESTWOOD	WESTWOOD	WESTWOOD	NORWOOD	NORWOOD	NORMOOD	NORMOOD	NORWOOD
Address	549 CANTON ST	543 CANTON ST	485 CANTON ST	16 CONCORD DR	FO BOX 890	S WIGHT LN	492 CANTON ST	504 CANTON ST	SZU CANTON ST	15 HEMLOCK DR	058 %08 04	SOUTH ST	AUS CANTON SE	5 HEDGEROW LN	18 HEDGEROW LANE	ZI HEDGEROW IN	2 S S S S S S S S S S S S S S S S S S S	SOX :	X E	O BOX	068 XOB O 4
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Ownez~s Namo	SABLLET A REEVER LIVING TRUST WANTE SALTER	CONOLE DAVID	PANTALEO GIACOMO	CANTON STREET REALTY TRUST	WALKER ELIZABETH TRUSTEE	LEFEBVRE DANIEL R	GRIFFIN PETER	MADDEN THOMAS P	ILANGOKUMARAN SADAYANDI	CANTON STREET REALTY TRUST	BOCH DALE	DELCUPOLO MARY ANNE	SHANG JOHN K	DAVEY JOHN P	LI ZHU	CANTON SIREET REALTY IRUST	CANTON STREET REALTY TRUST	CANTON STREET REALTY TRUST	CANTON STREET REALTY TRUST		
Unit																					
Lot																					
Block 004	005	900	007	600	010	102	103	104	190	197	198	199	200	201	202	213	217	218	219	220	
Map 32	32	32	32	35	32	23 (P	32	32	32	32	32	32	12	32	32	32	32	32	32	32	

#### TOWN OF WESTWOOD

Commonwealth of Massachusetts

foreith I. Previtera, Chamanan Leo J. Crowe William Stowe Charles Pare



Steven Woodworth, Vice Chair Michael Terry John C. Masterson

#### CONSERVATION COMMISSION

Wetland Permit Application: Town Clerk

The application was submitted to the Town Clerk on (date)

Westwood Conservation Commission Westwood Town Hall 50 Carby Street Westwood, MA 02090

Dear Commission:

1 here certify that a complete copy of the application and plans submitted to the Westwood Conservation Commission for a permit under the Wetland Protection Act, M.G.L. c. 131, s40 and/or the Westwood Wetlands Protection Bylaw, Article 18 has been filed with the Westwood Town Clerk.

U	
Applicant's Name	David Spiegel, Trustee, Canton Street Realty Trust
Project Location : _	21 Hedgerow Lane
Project Type:	Residential - Single family construction



## TOWN OF WESTWOOD **BOARD OF ASSESSORS**

580 High St. Westwood, MA 02090

Maureen H. Bleday Philip N. Shapiro Mark F. Murphy

phone: 781-326-1904 fax: 781-251-2588

August 14, 2018

David Johnson, Norwood Engineering Co.

Re: Abutters List

David,

Attached please find a list of abutters to abutters within 300' of the locus,

Map 32 Lot 202

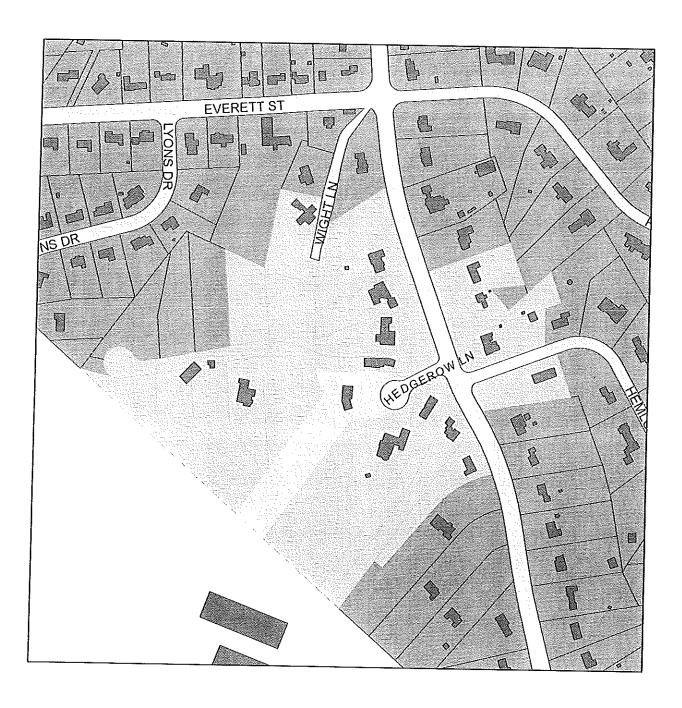
This list reflects owners of record as of January 1, 2018 or current owners, according to our records.

Sincer

Assessor

jb

## **ABUTTERS WITHIN 300'**



MAP 32 LOT 202
VISION APPRAISAL TECHNOLOGY



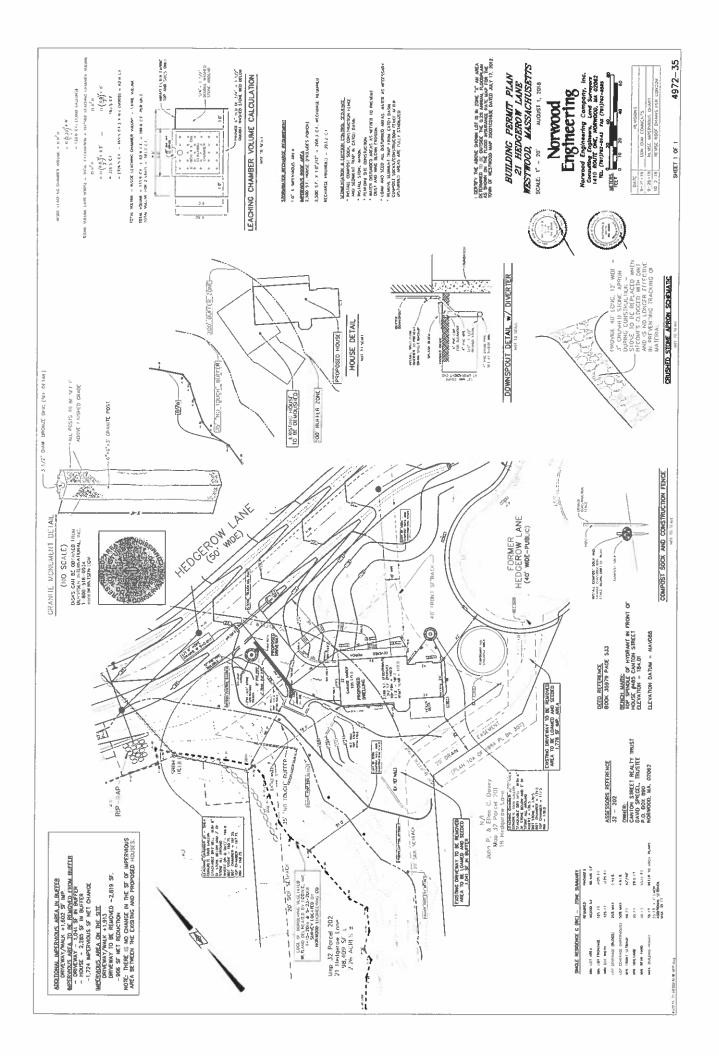
ABUTTERS LIST - MAP 32 LOT 202 WESTWOOD, MA

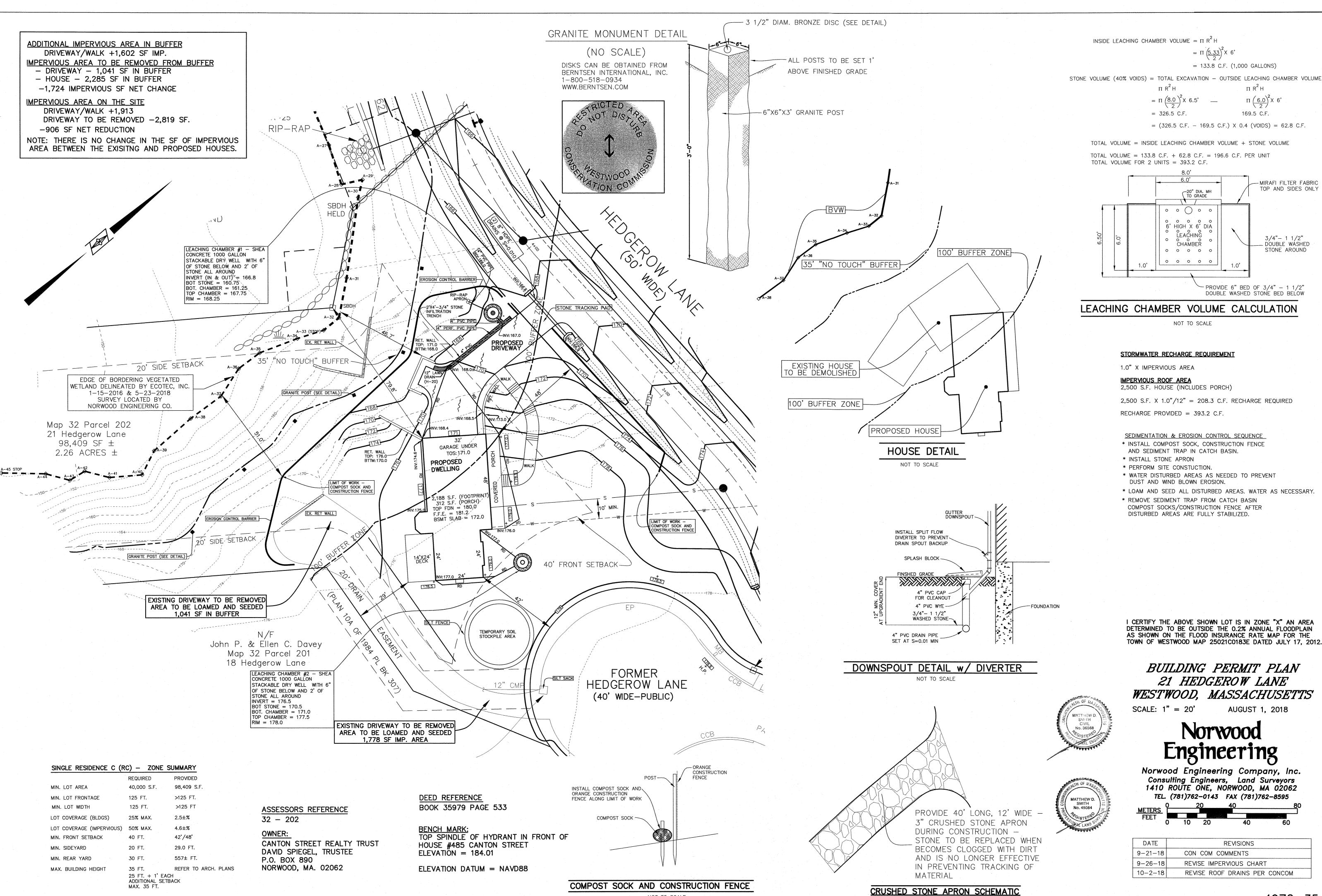
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ST ZAP  MA 02090	
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Address  549 CANTON ST  543 CANTON ST  485 CANTON ST  16 CONCORD DR  PO BOX 890  5 WIGHT LN  492 CANTON ST  520 CANTON ST  520 CANTON ST  520 CANTON ST  60 CANTON ST  15 HEMLOCK DR  PO BOX 890  18 HEDGEROW LN  19 DEDGEROW LN  18 HEDGEROW LN  19 DEDGEROW LN  19 DEDGEROW LN  10 DEDGEROW LN  10 DEDGEROW LN  11 HEDGEROW LN  12 HEDGEROW LN  13 HEDGEROW LN  14 DEDGEROW LN  16 DEDGEROW LN  17 DEDGEROW LN  18 DEDGEROW LN  18 DEDGEROW LN  19 DEDGEROW	
CO OWMEST-S Name S A REEVER & M G HICHAR TRUSTEES BILEEN SALISA WARGARET HELSCOLL FRANCES PANTALEO DAVID SPIEGEL TRUSTEE WIGHT REALTY NOMINEE TRUST ISABELLE ZAMTHRECU DEIRDREM G REFFIN MARY C E WOLCIM WARY C E WOLCIM VIJAYALAKSHMI RAWASUBBU DAVID SPIEGEL TRUSTEE	
SHELLEY A REEVER LIVING TRUST WARIE SALIBA CONOLE DAVID P PATALEO GIACOMO CANON STREET REALTY TRUST WALER ELIZABETH TRUSTEE LEFENRE ELIZABETH TRUSTEE LEFENRE ELIZABETH TRUSTEE LEFENRE ELIZABETH TRUSTEE LEFENRE DANIEL R GRIFFIN PETER WALDEN THOMAS P ILAMCONTRADA SADAYANDI CANTON STREET REALTY TRUST BOCH DALE BELCUPOLO WARY ANNE SHANG JOHN R DAVEY JOHN R DAVEY JOHN R CANTON STREET REALTY TRUST	
Vot Unit	
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Map 132 132 132 132 132 132 132 132 132 132	

21 Hedgerow Lane Submittal: David Spiegel, Trustee, Canton Street Realy Trust

Scale of plans should be 1" = 40 feet or greater unless specified otherwise.

Each single lot plan must show the following:
<ul> <li>☑ outline or "footprint" of the foundation of any proposed house or other structure using a foundation</li> <li>☑ all proposed and existing driveways and parking lots</li> <li>☑ the location and type of all proposed utilities</li> <li>☑ the limit of each wetland</li> </ul>
the wetland line flag numbers
☐ areas subject to flooding. Not applicable
Li riverfront area Not applicable
Lxi every other resource area defined by Article 18, Act, DEP wetlands regulations, or regulations under Article 18
☑ topographic contours in at least five-foot intervals
L3 the limit of the 100-foot buffer zone described by the Act and DEP wetland regulations
☑ the 10/35 foot buffer zone required by Article 18
LXI the limit of proposed work activity and ground disturbance
M the location and type of proposed sedimentation controls
ы ine limit of any proposed lawn or other landscaping
In the limit of the Watershed and Aquifer Protection Districts, if applicable, Not applicable,
and mile of the Fewig Hoodplain of the 100-year floodplain if englished year.
idige boulders and objectionings of ledge. Not applicable
Extra all existing and proposed structures features and outbuildings including the
vilous, stables, and paddocks
☑ porches, decks, and patios
☑ drainage systems, including sumps, French drains, and dry wells
any other outdoor amenities, including without limitation, gardens, sprinkler Not applicable systems, pools, whirlpools, Jacuzzi, sport courts, basketball, and tennis courts
any other proposed structure, feature, and amenity the construction or operation of which could affect the interests of the Bylaw, Act. DEP wetland regulations, or these Bylaw regulations.
The distance between the proposed limit of work line and the secret and at the
resource area.
The distance between the foundation and the nearest part of the resource area.
part of each resource area
☐ The inner/outer riparian zones identified in the Rivers Protection Act. Not Applicable





NOT TO SCALE

497235 21 HEDGEROW BPP.dwa

4972-35

NOT TO SCALE