

NOI

**32 Clearwater Drive
Westwood Massachusetts**

23 August 2017

Submitted To:

Westwood Conservation Commission
Town Hall
50 Carby
Westwood, MA 02092

Submitted By:

Karen Brennan & Kevin Kreisen
37 Clearwater
Westwood, MA 02090

Prepared By:

Michèle Grenier, PWS, CWS
46 Kelly Road
Dracut, MA 01826

TABLE OF CONTENTS

<u>Title</u>	<u>Section</u>
Notice of Intent (NOI)	I
Project Narrative	II
Figures	III
Figure 1 Locus Map	
Figure 2 Estimated Habitat Map	
Abutter Information	IV
Filing Fee Information	V
Appendices	VI
Appendix A Site Photographs	
Appendix B Delineation Forms	
Appendix C By-Law Forms	
Proposed Single-Family Dwelling Plan	VII

Section I

Notice of Intent (NOI)



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.

A. General Information

1. Project Location (Note: electronic filers will click on button to locate project site):

<u>32 Clearwater Drive</u>	<u>Westwood</u>	<u>02090</u>
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:		
<u>41</u>	<u>004</u>	
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

2. Applicant:

<u>Laura Brennnan</u>	<u>and Kenneth</u>	<u>Kreisen</u>
a. First Name	b. Last Name	
c. Organization		
<u>32 Clearwater</u>		
d. Street Address		
<u>Westwood</u>	<u>MA</u>	<u>02090</u>
e. City/Town	f. State	g. Zip Code
<u></u>	<u></u>	<u></u>
h. Phone Number	i. Fax Number	j. Email Address

3. Property owner (required if different from applicant): Check if more than one owner

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

4. Representative (if any):

<u>Michele</u>	<u>Grenier</u>	
a. First Name	b. Last Name	
c. Company		
<u>46 Kelly Road</u>		
d. Street Address		
<u>Dracut</u>	<u>MA</u>	<u>01826</u>
e. City/Town	f. State	g. Zip Code
<u>508-243-9311</u>	<u>978-441-0545</u>	<u>mgski@verizon.net</u>
h. Phone Number	i. Fax Number	j. Email address

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

<u>100.00</u>	<u>37.50</u>	<u>62.50</u>
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid

Bylaw fee 167.50



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A. General Information (continued)

6. General Project Description:

Remove 3 dead trees, on oak, one red maple and one white pine, removing 11 leaning white pine trees within 100 feet of bordering vegetated wetlands and replacing 24 tree and shrub species for the benefit of bird and wildlife species.

7a. Project Type Checklist:

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Limited Project Driveway Crossing | 4. <input type="checkbox"/> Commercial/Industrial |
| 5. <input type="checkbox"/> Dock/Pier | 6. <input type="checkbox"/> Utilities |
| 7. <input type="checkbox"/> Coastal Engineering Structure | 8. <input type="checkbox"/> Agriculture (e.g., cranberries, forestry) |
| 9. <input type="checkbox"/> Transportation | 10. <input type="checkbox"/> Other |

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

1. Yes No If yes, describe which limited project applies to this project:

2. Limited Project

8. Property recorded at the Registry of Deeds for:

Norfolk

a. County

32752

c. Book

b. Certificate # (if registered land)

129

d. Page Number

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

- 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.
- 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.

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet



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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input type="checkbox"/> Riverfront Area	1. Name of Waterway (if available)	
	2. Width of Riverfront Area (check one):	
	<input type="checkbox"/> 25 ft. - Designated Densely Developed Areas only	
	<input type="checkbox"/> 100 ft. - New agricultural projects only	
	<input type="checkbox"/> 200 ft. - All other projects	
	3. Total area of Riverfront Area on the site of the proposed project: _____ square feet	
	4. Proposed alteration of the 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 analysis been done and is it attached to this NOI? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	6. Was the lot where the activity is proposed created prior to August 1, 1996? <input type="checkbox"/> Yes <input type="checkbox"/> No	

3. Coastal Resource Areas: (See 310 CMR 10.25-10.35)

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.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	1. square feet	
	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	1. square feet	2. cubic yards dune nourishment

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.



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

	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	1. linear feet _____	
g. <input type="checkbox"/> Rocky Intertidal Shores	1. square feet _____	
h. <input type="checkbox"/> Salt Marshes	1. square feet _____	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	1. square feet _____	
	2. cubic yards dredged _____	
j. <input type="checkbox"/> Land Containing Shellfish	1. square feet _____	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	1. cubic yards dredged _____	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	1. square feet _____	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	a. square feet of BWV _____	b. square feet of Salt Marsh _____
5. <input type="checkbox"/> Project Involves Stream Crossings		
	a. number of new stream crossings _____	b. number of replacement stream crossings _____

C. Other Applicable Standards and Requirements

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://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/priority_habitat/online_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
100 Hartwell Street, Suite 230
West Boylston, MA 01583

b. Date of map _____



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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 (cont'd)

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.1.d, 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).

1. c. Submit Supplemental Information for Endangered Species Review:

1. 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

3. 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

(c) MESA filing fee (fee information available at: http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_fee_schedule.htm).
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

d. 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, http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_exemptions.htm; 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 ongoing. _____ a. NHESP Tracking # _____ b. Date submitted to NHESP

- Some projects not in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <http://www.mass.gov/dfwele/dfw/nhosp/nhosp.htm>, regulatory review tab). 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.



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Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Westwood

City/Town

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

- 3. Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.
- 2. 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 If yes, include proof of mailing or hand delivery of NOI to either:

South Shore - Cohasset to Rhode Island, and the Cape & Islands:

North Shore - Hull to New Hampshire:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
1213 Purchase Street – 3rd Floor
New Bedford, MA 02740-6694

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930

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.

- 3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?

a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.

b. ACEC

- 4. 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?

a. Yes No

- 5. 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

- 6. 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

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

- 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

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.
- 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.

32 Clearwater Drive Notice of Intent Plan of Land in Westwood, MA

a. Plan Title

Glossa Engineering, Inc

b. Prepared By

John Glossa, PE

c. Signed and Stamped by

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.



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E. Fees

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

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

<u>2024</u>	<u>8/24/17</u>
2. Municipal Check Number	3. Check date
<u>2026</u>	<u>8/26/17</u>
4. State Check Number	5. Check date
<u>Laura</u>	<u>Brennan</u>
6. Payor name on check: First Name	7. Payor name on check: Last Name

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.

<u>Laura Brennan + Kevin Kausey/Hickory Hill</u>	<u>8/24/17</u>
1. Signature of Applicant	2. Date
<u>Michelle L. Grenier</u>	<u>8/23/17</u>
3. Signature of Property Owner (if different)	4. Date
5. 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.

Section II

Project Narrative



23 August 2017

Town of Westwood Conservation Commission; and
Ms. Karon Skinner-Catrone
50 Carby Street
Westwood MA 02092

Re: NOI for 32 Clearwater Drive, Westwood MA

Dear Conservation Commission Members:

Attached please find the NOI submission for the above noted property. This site contains BVW that abuts Pette pond. The lot is fairly flat. Currently the backyard is lawn surrounded by lawn and landscaping that predates the homeowner's purchase of the house. Wetland Flags 1A-4A are located north of the wooden dock and wetland flags 1 B – 8 B are located South of the dock. The bordering vegetated wetland, that borders an existing pond, includes red maple trees button -bush, jewelweed, cinnamon fern and skunk cabbage.

Three of the proposed trees to be removed are dead and the other 11 trees are leaning and are mostly white pines damaged in windstorms. Invasive species will be removed including bittersweet and other vine species that have invaded the spirea and killed trees.

The overall impact of the work in the resource area will be minimal and all stumps will remain for wildlife use on the property. The replaced trees and shrubs include all species that benefit wildlife, especially song and migrant birds.

46 Kelly Road
Dracut, MA 01826
Ph: 508.243.9311
Fax: 978.441.0545

Those tree species, also listed on the plan are 4 serviceberry; 4 American elderberry; 4 highbush blueberry; 4 low blueberry; 2 blue spruce; and 2 common winterberries.

Our target date to begin is following the 10 - day appeal period and planting will commence immediate following the tree work.

We look forward to discussing the project with the Commission.

Sincerely,

A handwritten signature in black ink that reads "Michèle F. Grenier, PWS, CWS". The signature is written in a cursive style with a large initial 'M'.

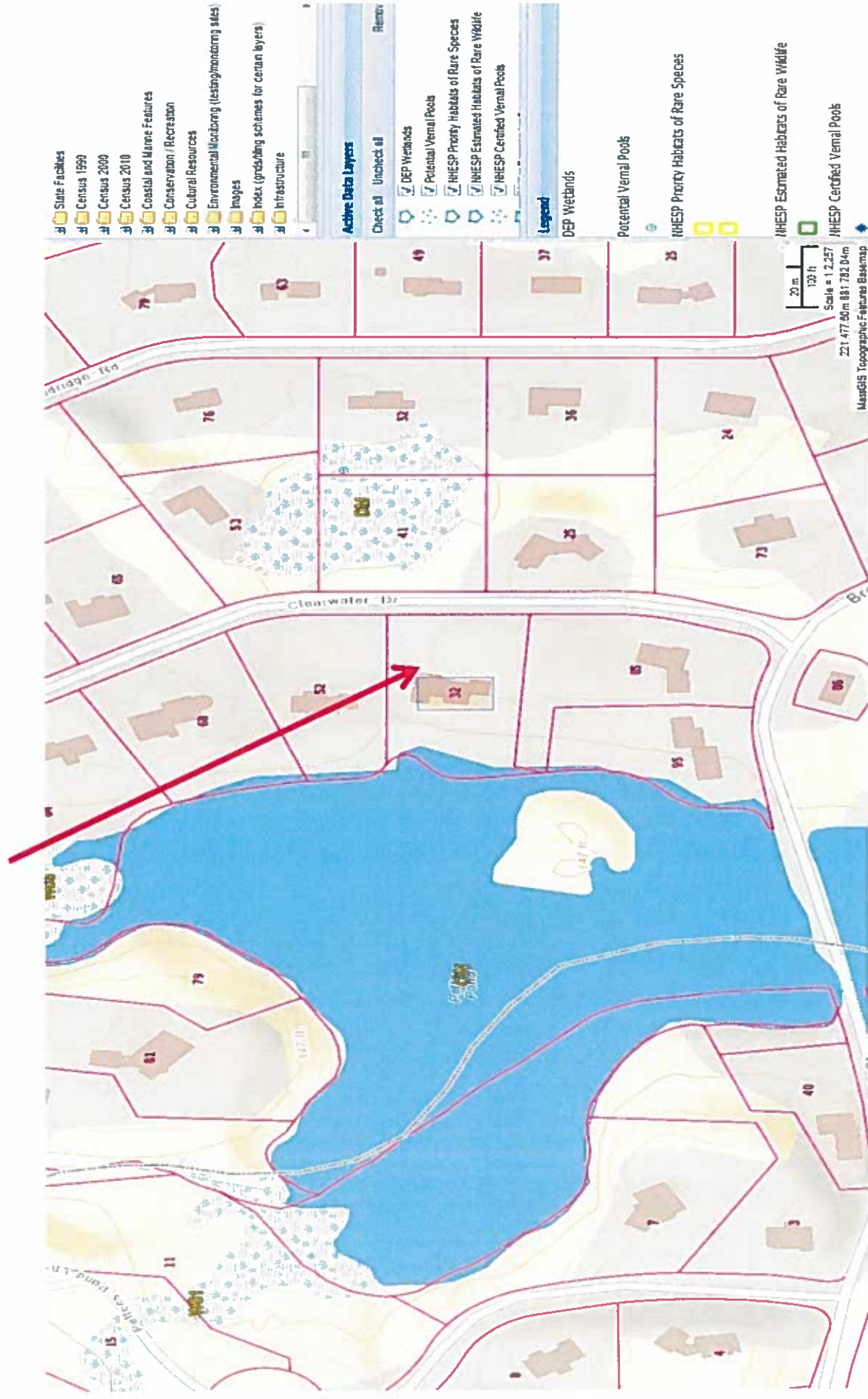
Michèle F. Grenier, PWS, CWS

cc: DEP-NERO
Laura Brennan & Kevin Kreisen
John Glossa, P.E.

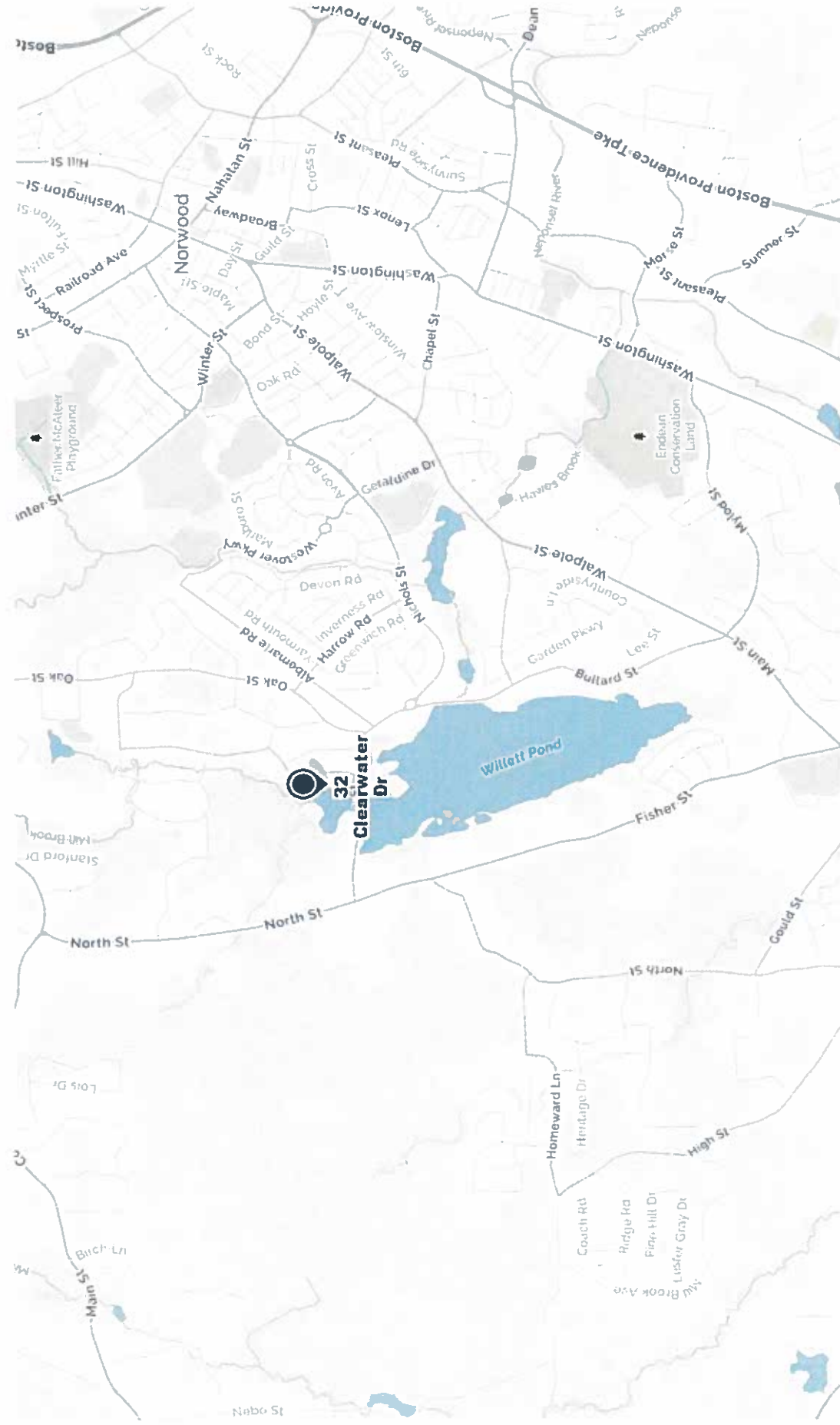
Section III

Figures

32 Clearwater Drive



32 Clearwater Drive



Section IV

Abutter Information

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: 13 September 2017

Time: 7pm

Place: Westwood Town Hall
50 Carby St.
Westwood MA 02090

A permit is requested by Laura Brennan + Kevin Kriesen
of 32 Clearwater Drive

The property is located at 32 Clearwater Drive

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.



TOWN OF WESTWOOD
BOARD OF ASSESSORS
580 High St.
Westwood, Ma. 02090

Maureen Bleday
Michael P. Krone
Mark F. Murphy

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

August 15, 2017

*Kenneth J Kreinsen
Laura J Brennan
32 Clearwater Dr
Westwood, Mass Ma 02090*

Dear Kenneth & Laura,

*Attached please find a list of abutters and abutters to abutters within 300' of the locus,
32 Clearwater Dr, Westwood known as Assessor's Map 41, 004.*

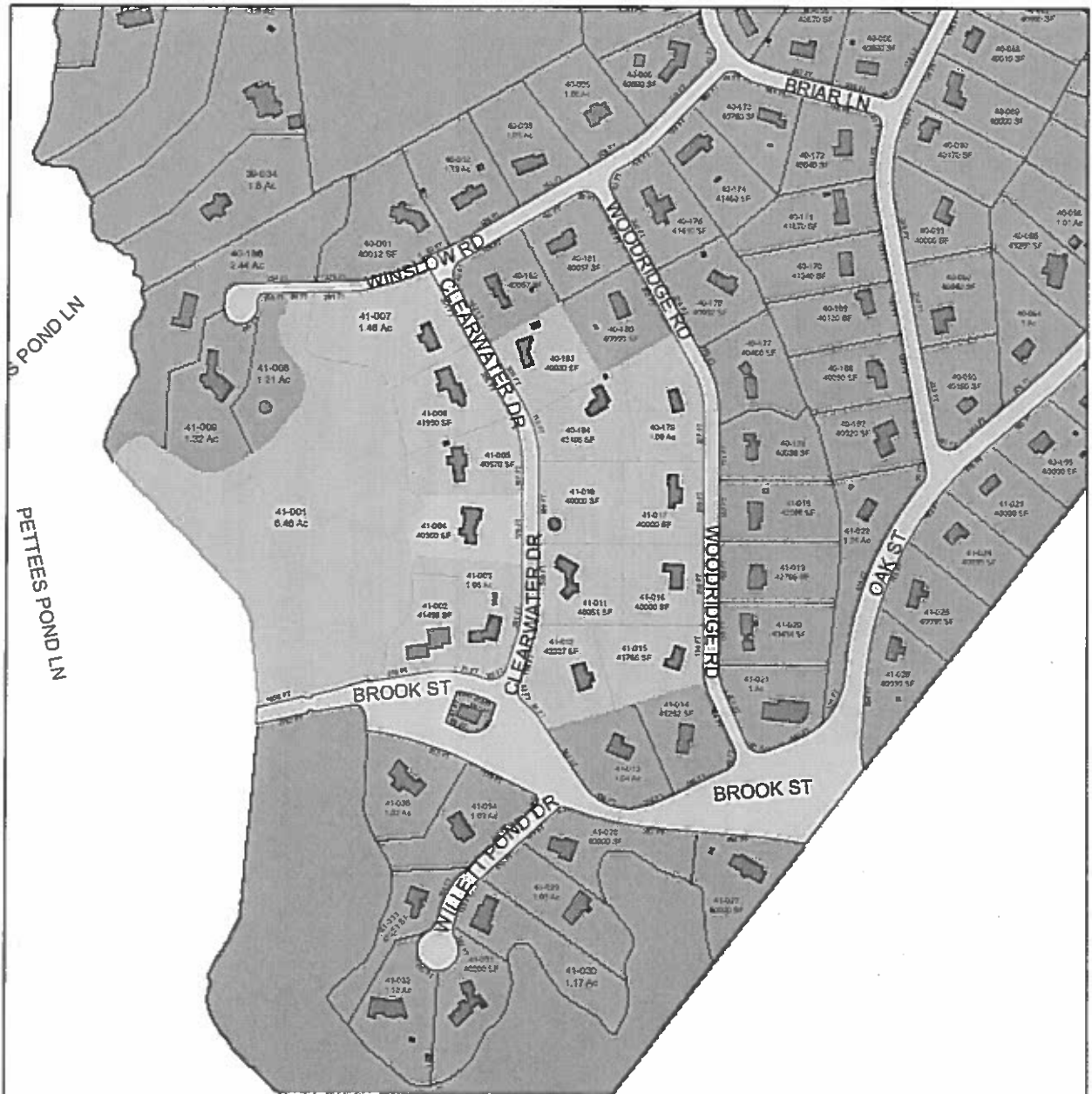
*This list reflects owners of record as of January 1, 2017 or current owners, according to our
records.*

Sincerely,


*Michael Krone
Assessor*

djr

ABUTTERS FOR 32 CLEARWATER DR



MAP 41, LOT 004

WESTWOOD BOARD OF ASSESSORS



ABUTTERS LIST FOR 32 CLEARWATER DR
WESTWOOD, MA

P & LOT	OWNER	CO-OWNER	Mailing Address	City	St Zip	Location
179	BUNNELL KEVIN	JESSICA COXSON	76 WOODRIDGE RD	WESTWOOD	MA 02090	76 WOODRIDGE RD
183	DAHER GEORGE X	KARA DAHER	65 CLEARWATER DR	WESTWOOD	MA 02090	65 CLEARWATER DR
184	HANLON JOHN	ROBIN HANLON	53 CLEARWATER DR	WESTWOOD	MA 02090	53 CLEARWATER DR
001	NEPONSET RIVER LAND HOLDI	ASSOCIATION INC	2173 WASHINGTON STREET	CANTON	MA 02021	REAR BROOK ST
002	FREEDMAN MARILYN J		95 BROOK ST	WESTWOOD	MA 02090	95 BROOK ST
003	WATSON DEBORAH C.	MATTHEW J. PAPIANOU	85 BROOK ST	WESTWOOD	MA 02090	85 BROOK ST
004	KREINSEN KENNETH J	LAURA J BRENNAN	32 CLEARWATER DR	WESTWOOD	MA 02090	32 CLEARWATER DR
005	ZONDERMAN JEFFREY &	JENNIFER M ZONDERMAN	52 CLEARWATER DR	WESTWOOD	MA 02090	52 CLEARWATER DR
006	FIGORE JOHN J	FLORA ERICA J	68 CLEARWATER DR	WESTWOOD	MA 02090	68 CLEARWATER DR
007	FORSBERG ROBERT R	JANE R FORSBERG	84 CLEARWATER DR	WESTWOOD	MA 02090	84 CLEARWATER DR
010	TOWN OF WESTWOOD		580 HIGH STREET	WESTWOOD	MA 02090	41 CLEARWATER DR
011	LOWEY KENNETH M & ANNE E	KENNETH M LOWERY REVOCABL	25 CLEARWATER DR	WESTWOOD	MA 02090	25 CLEARWATER DR
012	HACK PETER L	SAMANTHA S HACK	73 BROOK ST	WESTWOOD	MA 02090	73 BROOK ST
015	PETRIE JR JOSEPH F	SUSAN S PETRIE	24 WOODRIDGE RD	WESTWOOD	MA 02090	24 WOODRIDGE RD
016	WALSH ANTHONY		36 WOODRIDGE RD	WESTWOOD	MA 02090	36 WOODRIDGE RD
017	THEAUMONT ROSS	AMY SPIEGEL THEAUMONT	52 WOODRIDGE RD	WESTWOOD	MA 02090	52 WOODRIDGE RD

ABUTTERS LIST FOR 32 CLEARWATER DR
WESTWOOD, MA

LP # LOT	OWNER	CO-OWNER	Mailing Address	City	St Zip	Location
1179	BUNNELL KEVIN	JESSICA COXSON	76 WOODRIDGE RD	WESTWOOD	MA 02090	76 WOODRIDGE RD
1183	DAHER GEORGE X	KARA DAHER	65 CLEARWATER DR	WESTWOOD	MA 02090	65 CLEARWATER DR
1184	HANLON JOHN	ROBIN HANLON	53 CLEARWATER DR	WESTWOOD	MA 02090	53 CLEARWATER DR
.001	NEPONSET RIVER LAND HOLDI	ASSOCIATION INC	2173 WASHINGTON STREET	CANTON	MA 02021	REAR BROOK ST
.002	FREEDMAN MARILYN J		95 BROOK ST	WESTWOOD	MA 02090	95 BROOK ST
.003	WATSON DEBORAH C.	MATTHEW J. PAPIANOU	85 BROOK ST	WESTWOOD	MA 02090	85 BROOK ST
004	KREINSEN KENNETH J	LAURA J BRENNAN	32 CLEARWATER DR	WESTWOOD	MA 02090	32 CLEARWATER DR
005	ZONDERMAN JEFFREY &	JENNIFER M ZONDERMAN	52 CLEARWATER DR	WESTWOOD	MA 02090	52 CLEARWATER DR
006	FIORE JOHN J	FIORA ERICA J	68 CLEARWATER DR	WESTWOOD	MA 02090	68 CLEARWATER DR
007	FORSBERG ROBERT R	JANE R FORSBERG	84 CLEARWATER DR	WESTWOOD	MA 02090	84 CLEARWATER DR
010	TOWN OF WESTWOOD		580 HIGH STREET	WESTWOOD	MA 02090	41 CLEARWATER DR
011	LOWEY KENNETH M & ANNE E	KENNETH M LOWERY REVOCABL	25 CLEARWATER DR	WESTWOOD	MA 02090	25 CLEARWATER DR
012	HACK PETER L	SAMANTHA S HACK	73 BROOK ST	WESTWOOD	MA 02090	73 BROOK ST
015	PETRIE JR JOSEPH F	SUSAN S PETRIE	24 WOODRIDGE RD	WESTWOOD	MA 02090	24 WOODRIDGE RD
016	WALSH ANTHONY		36 WOODRIDGE RD	WESTWOOD	MA 02090	36 WOODRIDGE RD
017	THEAUMONT ROSS	AMY SPIEGEL THEAUMONT	52 WOODRIDGE RD	WESTWOOD	MA 02090	52 WOODRIDGE RD

ABUTTERS LIST FOR 32 CLEARWATER DR
WESTWOOD, MA

LP & LOT	OWNER	CO-OWNER	Mailing Address	City	St Zip	Location
.1179	BUNNELL KEVIN	JESSICA COXSON	76 WOODRIDGE RD	WESTWOOD	MA 02090	76 WOODRIDGE RD
.1183	DAHER GEORGE X	KARA DAHER	65 CLEARWATER DR	WESTWOOD	MA 02090	65 CLEARWATER DR
.1184	HANLON JOHN	ROBIN HANLON	53 CLEARWATER DR	WESTWOOD	MA 02090	53 CLEARWATER DR
.001	NEPONSET RIVER LAND HOLDI	ASSOCIATION INC	2173 WASHINGTON STREET	CANTON	MA 02021	REAR BROOK ST
.002	FREEDMAN MARILYN J		95 BROOK ST	WESTWOOD	MA 02090	95 BROOK ST
.003	WATSON DEBORAH C.	MATTHEW J. PAPIANOU	85 BROOK ST	WESTWOOD	MA 02090	85 BROOK ST
.004	KREINSEN KENNETH J	LAURA J BRENNAN	32 CLEARWATER DR	WESTWOOD	MA 02090	32 CLEARWATER DR
.005	ZONDERMAN JEFFREY &	JENNIFER M ZONDERMAN	52 CLEARWATER DR	WESTWOOD	MA 02090	52 CLEARWATER DR
.006	FORE JOHN J	FLORA ERICA J	68 CLEARWATER DR	WESTWOOD	MA 02090	68 CLEARWATER DR
.007	FORSBERG ROBERT R	JANE R FORSBERG	84 CLEARWATER DR	WESTWOOD	MA 02090	84 CLEARWATER DR
.010	TOWN OF WESTWOOD		580 HIGH STREET	WESTWOOD	MA 02090	41 CLEARWATER DR
.011	LOWEY KENNETH M & ANNE E	KENNETH M LOWERY REVOCABL	25 CLEARWATER DR	WESTWOOD	MA 02090	25 CLEARWATER DR
.012	HACK PETER L	SAMANTHA S HACK	73 BROOK ST	WESTWOOD	MA 02090	73 BROOK ST
.015	PETRIE JR JOSEPH F	SUSAN S PETRIE	24 WOODRIDGE RD	WESTWOOD	MA 02090	24 WOODRIDGE RD
.016	WALSH ANTHONY		36 WOODRIDGE RD	WESTWOOD	MA 02090	36 WOODRIDGE RD
.017	THEAUMONT ROSS	AMY SPIEGEL THEAUMONT	52 WOODRIDGE RD	WESTWOOD	MA 02090	52 WOODRIDGE RD

Section VI

Appendices

Section V

Filing Fee Information



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.



A. Applicant Information

1. Location of Project:

32 Clearwater Westwood
 a. Street Address b. City/Town
 2026 42.5 bylaw 167.50
 c. Check number d. Fee amount

2. Applicant Mailing Address:

Laura Brennan
 a. First Name b. Last Name
 c. Organization
 32 Clearwater Drive
 d. Mailing Address
 Westwood MA 02090
 e. City/Town f. State g. Zip Code
 h. Phone Number i. Fax Number j. Email Address

3. Property Owner (if different):

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.



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 1	1	110	110

Step 5/Total Project Fee: 110

Step 6/Fee Payments:

Total Project Fee:	110
State share of filing Fee:	42.50
City/Town share of filing Fee:	67.50
	a. Total Fee from Step 5
	b. 1/2 Total Fee less \$12.50
	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.)

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

Applicant: Laura Brennan + Kevin Kreisen

Address: 32 Clearwater Drive

Location of Project: SAME

Notice of Intent

- | | | |
|---|-------------------------------------|--|
| 1. Minor project | <input checked="" type="checkbox"/> | \$100.00 |
| 2. Major project | <input type="checkbox"/> | \$250.00 plus \$1.00 additional sq. ft. |
| 3. New single family home | <input type="checkbox"/> | \$500.00 plus \$1.00 per 10 sq. ft. of disturbance |
| 4. Subdivision road and utility | <input type="checkbox"/> | \$750.00 plus \$5.00 per road sideline in resource or buffer zone |
| 5. Drainage detention/retention | <input type="checkbox"/> | \$750.00 plus \$1.00 per 10cf of basin in resource or buffer zone |
| 6. Multiple Dwelling | <input type="checkbox"/> | \$500.00 plus \$100.00/unit and \$1.00 per 10 sq. ft. of disturbance |
| 7. Commercial institutional, industrial | <input type="checkbox"/> | \$750.00 plus \$1.00 per 10 sq. ft. of disturbance |
| 8. Request for Det. of Applicability | <input type="checkbox"/> | @ \$50.00 |
| 9. ANORAD | <input type="checkbox"/> | \$750.00 plus \$1.00 per 10 sq. ft. of disturbance |
| 10. Application filed after enforcement | <input type="checkbox"/> | Double application fees |
| 11. Amendments | <input type="checkbox"/> | \$100.00 |
| 12. Certificate of Compliance | | |
| Residence | <input type="checkbox"/> | \$100.00 |
| Non Residence | <input type="checkbox"/> | \$100.00 |
| Commercial or subdivision | <input type="checkbox"/> | \$200.00 |
| 13. Emergency Certificate | <input type="checkbox"/> | \$100.00 |
| 14. Agent Site Visit | | |
| Resident | <input type="checkbox"/> | \$25.00 per hour |
| Non Resident | <input type="checkbox"/> | \$45.00 per hour |

Total \$ _____

See Westwood Wetlands Protection Bylaw Regulations for more detail.

Appendix A
Site Photos

Appendix B
Delineation Forms

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

Applicant: _____ Prepared by: Michelle F. Greiner, PWS, CWS Project Location: 32 Clearwater DEP File #: _____

Check all that apply:

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

Section I. Vegetation Observation Plot Number: NA Transect Number: Wetland WF 1B--8B Date of Delineation: 18 August 2017

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
<u>Trees:</u> white pine (<i>Pinus strobus</i>)	38%	50	Yes	FACU
red maple (<i>acer rubrum</i>)	38(%)	50	Yes	FAC
<u>Saplings:</u> None				
<u>Shrubs:</u> Button bush (<i>Cephalanthus occidentalis</i>)	50%	50	Yes	OBL*
<u>Ground Cover:</u> Cinnamon fern	90%	90	Yes	FACW*
<u>Woody Vines:</u> None				

- Use an asterisk to mark 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.

Vegetation conclusion:
 Number of dominant wetland indicator plants: **3**
 Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants: yes no

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

Applicant: _____ Prepared by: Michelle F. Greiner, PWS, CWS Project Location: 32 Clearwater DEP File #: _____

Check all that apply:

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

Section I. **Vegetation** Observation Plot Number: NA Transect Number: Wetland WF 1B-8B Date of Delineation: 18 August 2017

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

Trees: red oak (*Quercus rubrum*) 38% 65 Yes FACU
 white pine (*Pinus strobus*) 20.5% 35 Yes FACU

Saplings: None

Shrubs: white pine (*Pinus strobus*) 40% 100 Yes UPL

Ground Cover: fescue grasses 40% 57 Yes UPL
 hayscented fern (*Demnstaedtia punctilob*) 30% 43 Yes UPL

Woody Vines: None

- Use an asterisk to mark 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.

Vegetation conclusion:

Number of dominant wetland indicator plants 0

Number of dominant non-wetland indicator plants: 5

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants: yes no

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

Appendix C
By-Law Forms

TOWN OF WESTWOOD
Commonwealth of Massachusetts

Resident Registering Complaint
Town Office
Westwood
50 Carby Street
Westwood, MA 02090



Steven Woodworth, Vice Chair
Michael Ferris
John C. Anderson

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.

Michelle F. Grenier
Applicant's or Representative's Signature

23 August 2017
Date

Applicant's Name Laura Brennan + Kevin Krusen

Project Location : 32 Clearwater Drive

Project Type: Tree Removal

Westwood Conservation Commission
50 Carby Street
Westwood, MA 02090

Phone (781) 251-2580
Fax (781) 461-6837

TOWN OF WESTWOOD

Commonwealth of Massachusetts

Joseph E. Provitera, Chairman
Edward Rowe
William Stowe
Charles Fane



Steven Woodworth, Vice Chair
Michael Ferry
John C. Masterson

CONSERVATION COMMISSION

Wetland Permit Application: Town Clerk

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

Dear Commission:

I 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.

The application was submitted to the Town Clerk on (date) 24 August 2017

Michelle Grenier
Applicant's or Representative's Signature

23 August 2017
Date

Applicant's Name Laura Brennan + Kevin Kreisen

Project Location : 32 Clearwater Drive

Project Type: Tree Removal

Westwood Conservation Commission
50 Carby Street
Westwood, MA 02090

Phone (781) 251-2580
Fax (781) 461-6837

Section VII

Project Plans

GLOSSA ENGINEERING INC.
 46 EAST STREET
 EAST WALPOLE, MA 02032
 (508) 668-4401

SCALE: 1" = 20' AUGUST 23, 2017

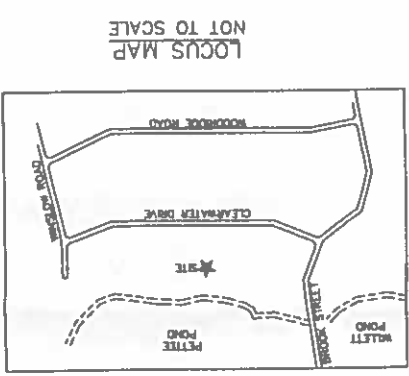
#32 CLEARWATER DRIVE
 NOTICE OF INTENT
 PLAN OF LAND
 IN
 WESTWOOD, MA



NO.	COMMON NAME	LATIN NAME	MATURE HEIGHT
4	SERVICEBERRY	AMELANCHIER CANADENSIS	30 FEET
4	AMERICAN ELDERBERRY	SAMBUCUS CANADENSIS	13 FEET
6	HIGHBUSH BLUEBERRY	VACCINIUM COMBOSUM	12 FEET
6	LOWBUSH BLUEBERRY	VACCINIUM ANGUSTIFOLIUM	2 FEET
2	BLUE SPRUCE	PICEA PUNGENS	50 FEET (GROWS SLOW)
2	COMMON WINTERBERRY	HEX VERTICILLATA	3-4.5 FEET

OWNER/APPLICANT
 KENNETH J. KEINSEN & LAURA BRENNAN
 32 CLEARWATER DRIVE
 WESTWOOD, MA, 02090
 ASSessor'S PARCEL
 MAP #1, LOT 004
 DEED REFERENCE
 BOOK 32752 PAGE 129
 PLAN REFERENCE
 PLAN BOOK 208, PLAN NO. 201

CLEARWATER DRIVE
 PLAN 1-30



- NOTES:
- 1) THIS PLAN SHOWS THE TREES TO BE REMOVED WITHIN THE 100' BUFFER ZONE. THERE MAY BE ADDITIONAL TREES TO BE REMOVED OUTSIDE THE 100' BUFFER ZONE.
 - 2) STUMPS TO BE GROUND IN PLACE.
 - 3) ELEVATIONS ARE ON AN ASSIGNED BASE.
 - 4) ALL TREES SHOWN OUTSIDE THE 10' NO DISTURB BUFFER ARE TO BE REMOVED. TOTAL NUMBER OF TREES = 22 (WITHIN 100' BUFFER).
 - 5) TREES IN THE 10' NO DISTURB BUFFER ARE TO REMAIN.

