

# Norwood Engineering

April 30, 2018

Conservation Commission  
Municipal Office Building  
50 Carby Street  
Westwood, MA 02090

Subject: Brian and Kathleen Dalton  
Notice of Intent  
110 Stanford Drive

Dear Commission Members:

Enclosed are the following materials in support of the application of Brian and Kathleen Dalton for an Order of Conditions to construct a small addition (115 sf) and relocate an existing bulkhead (31 sf) and air conditioning unit. The work is located in the Buffer Zone to a Bordering Vegetated Wetland delineated by John Rockwood, EcoTec on April 13, 2018. The proposed activity is located no closer to the BVW than the existing house.

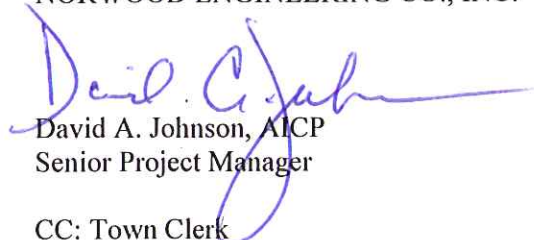
- 9 copies of the completed Notice of Intent Applications under the Town of Westwood Wetlands Protection Bylaw and the State Wetlands Protection Act.
- 9 copies of the NOI Plan dated April 17, 2018 (1 sheet)
- A check payable to the "Town of Westwood" in the amount of \$167.50 (Town By-Law fee of \$100.00 and town portion of the State fee of \$67.50)
- A certified copy of the Abutters List
- A PDF of the complete filing has been sent via email to Karon Catrone, Conservation Agent

We respectfully request that the Commission issue an Order of Conditions for the project.

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

Sincerely,

NORWOOD ENGINEERING CO., INC.



David A. Johnson, AICP  
Senior Project Manager

CC: Town Clerk  
DEP Northeast Region  
Brian and Kathleen Dalton



**Massachusetts Department of Environmental Protection**  
Bureau of Resource Protection - Wetlands

Provided by MassDEP:

**WPA Form 3 – Notice of Intent**

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

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):

110 Stanford Drive

a. Street Address

Westwood

b. City/Town

02090

c. Zip Code

Latitude and Longitude:

d. Latitude

e. Longitude

Map 34

f. Assessors Map/Plat Number

101

g. Parcel /Lot Number

2. Applicant:

Brian and Kathleen

a. First Name

Dalton

b. Last Name

c. Organization

110 Stanford Drive

d. Street Address

Westwood

e. City/Town

MA

f. State

02090

g. Zip Code

781-367-7860

h. Phone Number

i. Fax Number

Dalton@massmed.org

j. Email Address

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

Same

a. First Name

b. Last Name

c. Organization

d. Street Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email address

4. Representative (if any):

David

a. First Name

Johnson

b. Last Name

Norwood Engineering Co., Inc

c. Company

1410 Route One

d. Street Address

Norwood

e. City/Town

MA

f. State

02062

g. Zip Code

781-762-0143

h. Phone Number

i. Fax Number

djohnson@norwoodengineering.com

j. Email address

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

\$110.00

a. Total Fee Paid

\$42.50

b. State Fee Paid

\$67.50

c. City/Town Fee Paid



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**A. General Information (continued)**

6. General Project Description:

Construction of a 6.2' x 18.5' addition and a 4.0' x 7.7' bulkhead to the existing single family dwelling located within the Buffer Zone to a Bordering Vegetated Wetlands.

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

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

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

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

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR 10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Norfolk

a. County

17959

c. Book

b. Certificate # (if registered land)

390

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.



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

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

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 _____	2. square feet _____
	3. cubic yards dredged _____	

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) - specify coastal or inland _____	

2. Width of Riverfront Area (check one):

25 ft. - Designated Densely Developed Areas only

100 ft. - New agricultural projects only

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?  Yes  No

6. Was the lot where the activity is proposed created prior to August 1, 1996?  Yes  No

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

**Note:** for coastal riverfront areas, please complete **Section B.2.f.** above.



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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.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
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 _____

	<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.  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 BVW \_\_\_\_\_

b. square feet of Salt Marsh \_\_\_\_\_

5.  Project Involves Stream Crossings

a. number of new stream crossings \_\_\_\_\_

b. number of replacement stream crossings \_\_\_\_\_





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**C. Other Applicable Standards and Requirements**

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

**Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review**

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

- a.  Yes  No **If yes, include proof of mailing or hand delivery of NOI to:**

Natural Heritage and Endangered Species Program  
Division of Fisheries and Wildlife  
1 Rabbit Hill Road  
Westborough, MA 01581

Online version \_\_\_\_\_

b. Date of map \_\_\_\_\_

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

- c. Submit Supplemental Information for Endangered Species Review\*

1.  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

\* 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.

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

- (c)  MESA filing fee (fee information available at [http://www.mass.gov/dfwele/dfw/nhosp/regulatory\\_review/ mesa/ mesa\\_fee\\_schedule.htm](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
- (f) OR Check One of the Following
1.  Project is exempt from MESA review. Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, [http://www.mass.gov/dfwele/dfw/nhosp/regulatory\\_review/ mesa/ mesa\\_exemptions.htm](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 \_\_\_\_\_
  3.  Separate MESA review completed. Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.
3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?
- a.  Not applicable – project is in inland resource area only      b.  Yes     No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

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

Division of Marine Fisheries -  
Southeast Marine Fisheries Station  
Attn: Environmental Reviewer  
836 South Rodney French Blvd.  
New Bedford, MA 02744  
Email: [DMF.EnvReview-South@state.ma.us](mailto:DMF.EnvReview-South@state.ma.us)

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -  
North Shore Office  
Attn: Environmental Reviewer  
30 Emerson Avenue  
Gloucester, MA 01930  
Email: [DMF.EnvReview-North@state.ma.us](mailto:DMF.EnvReview-North@state.ma.us)

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.



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

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

4. 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
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?
- a.  Yes  No
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 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.)
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.





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**D. Additional Information (cont'd)**

3.  Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4.  List the titles and dates for all plans and other materials submitted with this NOI.

Notice of Intent Plan Proposed Addition 110 Stanford Drive dated April 17, 2018

a. Plan Title

Norwood Engineering Co., Inc.

Matthew D. Smith

b. Prepared By

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.

**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:

4446

2. Municipal Check Number

4-24-18

3. Check date

4447

4. State Check Number

4-24-18

5. Check date

Brian E. or Kathleen A.

6. Payor name on check: First Name

Dalton

7. Payor name on check: Last Name



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

Provided by MassDEP:

MassDEP File Number
Document Transaction Number
Westwood
City/Town

**F. Signatures and Submittal Requirements**

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

*Erin Dalton Kerton Dallan*  
 1. Signature of Applicant

4/25/18  
 2. Date

3. Signature of Property Owner (if different)

4. Date

*David C. John*  
 5. Signature of Representative (if any)

APRIL 25, 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.



**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:

110 Stanford Street Westwood  
 a. Street Address b. City/Town  
 4447 \$42.50  
 c. Check number d. Fee amount

2. Applicant Mailing Address:

Brian and Kathleen Dalton  
 a. First Name b. Last Name  
 c. Organization  
 110 Stanford Street  
 d. Mailing Address  
 Westwood MA 02090  
 e. City/Town f. State g. Zip Code  
 781-367-7860 Dalton@massmed.org  
 h. Phone Number i. Fax Number j. Email Address

3. Property Owner (if different):

Same  
 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

**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.

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



**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands  
**NOI Wetland Fee Transmittal Form**  
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**B. Fees (continued)**

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
1a Addition to a single family dwelling	1	\$110.00	\$110.00
<b>Step 5/Total Project Fee:</b>			<u>\$110.00</u>

Step 6/Fee Payments:	
Total Project Fee:	\$110.00
a. Total Fee from Step 5	<u>\$42.50</u>
State share of filing Fee:	b. 1/2 Total Fee less \$12.50
City/Town share of filling Fee:	<u>\$67.50</u>
	c. 1/2 Total Fee plus \$12.50

**C. Submittal Requirements**

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

Department of Environmental Protection  
 Box 4062  
 Boston, MA 02211

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

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



**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: Wed. 5-23-18

Time: 7:00 pm

Place: Champagne Meeting Room, Carby Street Minicipal Office Building  
50 Carby Street  
Westwood, MA

A permit is requested by Brian and Kathleen Dalton  
of 110 Stanford Drive, Westwood MA

The property is located at 110 Stanford 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  
Philip N. Shapiro  
Mark F. Murphy

phone: 781-326-1904

fax: 781-251-2588

April 20, 2018

Tom Powers  
Norwood Engineering

Tom,

Attached please find a map and a list of abutters to abutters within **300' of 110 Stanford Drive, Map 34 Lot 101.**

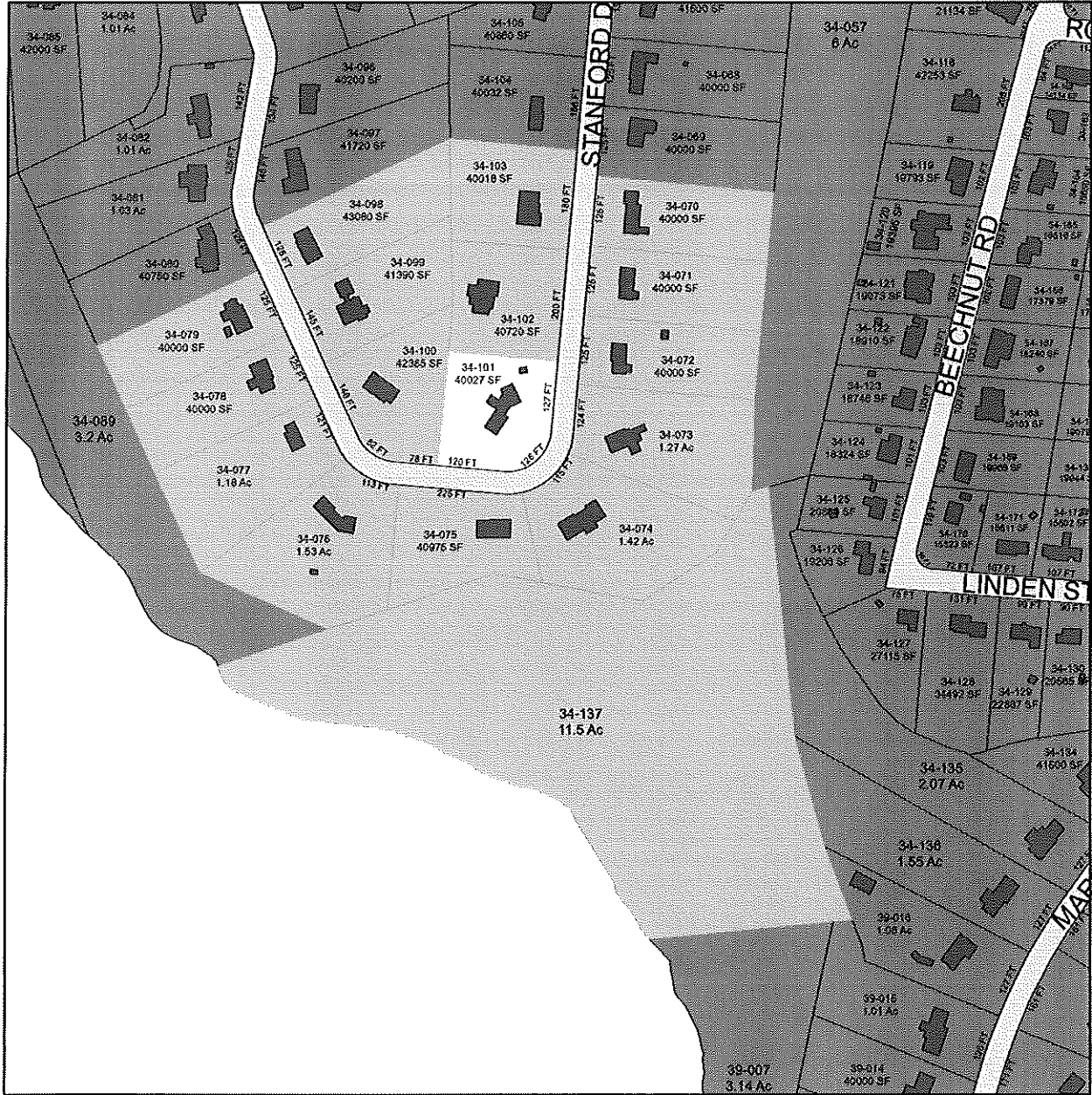
This list reflects owners of record as of January 1, 2018 or current owners, according to our records.

Sincerely,

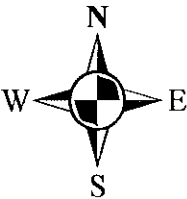
Mark F. Murphy  
Assessor

jb

# ABUTTERS FOR MAP 34 LOT 101



MAP 34 LOT 101 AKA 110 STANFORD DRIVE  
VISION APPRAISAL TECHNOLOGY



ABUTTERS LIST FOR 110 STANFORD DRIVE  
WESTWOOD, MA

MAP & LOT	OWNER	CO-OWNER	Mailing Address	City	St Zip	Location
34070	NADARAJAH SIVANANDAN	SARAH NADARAJAH	75 STANFORD DR	WESTWOOD	MA 02090	75 STANFORD DR
34071	WATANABE TAKEO	YUKA SASAKI	85 STANFORD DR	WESTWOOD	MA 02090	85 STANFORD DR
34072	95 STANFORD DRIVE REALTY	MICHAEL A BEGGAN TRUSTEE	95 STANFORD DR	WESTWOOD	MA 02090	95 STANFORD DR
34073	RODRIGUES ANTHONY C	SARAH R RODRIGUES	105 STANFORD DR	WESTWOOD	MA 02090	105 STANFORD DR
34074	R SCHEER FAMILY REALTY TR	RAINER L SCHEER TRUSTEE	25 ENDICOTT ST	NEWTON	MA 02461	115 STANFORD DR
34075	BLOMQUIST, SCOTT P &	SHELLA L BLOMQUIST	125 STANFORD DR	WESTWOOD	MA 02090	125 STANFORD DR
34076	SETAYESH M REZA		133 STANFORD DR	WESTWOOD	MA 02090	133 STANFORD DR
34077	TOOLE III CHARLES M	HEATHER B TOOLE	145 STANFORD DR	WESTWOOD	MA 02090	145 STANFORD DR
34078	WARRINGTON DANIEL A	SHERI WARRINGTON	155 STANFORD DR	WESTWOOD	MA 02090	155 STANFORD DR
34079	MARCANTONIO EDWARD R	MARYANN WATTENDORF	165 STANFORD DR	WESTWOOD	MA 02090	165 STANFORD DR
34098	HAMBELTON BETSEY K	H CHARLES HAMBELTON	172 STANFORD DR	WESTWOOD	MA 02090	172 STANFORD DR
34099	MCCABE KEVIN J	DIANE J MCCABE	7 SUNRISE RD	WESTWOOD	MA 02090	162 STANFORD DR
34100	BERTONE SUSAN M	RICHARD J BERTONE	142 STANFORD DR	WESTWOOD	MA 02090	142 STANFORD DR
34101	DALTON BRIAN	KATHLEEN DALTON	110 STANFORD DR	WESTWOOD	MA 02090	110 STANFORD DR
34102	TRAN JONATHAN	VI VO	90 STANFORD DR	WESTWOOD	MA 02090	90 STANFORD DR
34103	HARRINGTON PARKER	KELLY HARRINGTON	74 STANFORD DR	WESTWOOD	MA 02090	74 STANFORD DR
34137	NORFOLK COUNTY AGRICULTUR		460 MAIN STREET	WALPOLE	MA 02081	NORTH ST



**EcoTec, Inc.**  
**ENVIRONMENTAL CONSULTING SERVICES**  
102 Grove Street  
Worcester, MA 01605-2629  
508-752-9666 – Fax: 508-752-9494

April 17, 2018

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

RE: Wetland Resource Evaluation, 110 Stanford Drive, Westwood, Massachusetts

Dear Mr. DePippo:

On April 13, 2018, EcoTec, Inc. 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 (the "Bylaw") and associated regulations (the "Bylaw Regulations"); and (3) the U.S. Clean Water Act. EcoTec had previously delineated the wetlands on the site in 2006. John P. Rockwood, Ph.D., PWS conducted the inspections.

The subject site consists of a 40,027± square foot parcel located to the north and west of Stanford Drive in southwestern Westwood, Massachusetts. The site is developed with a single-family house with a deck, shed, paved driveway, and associated lawn and landscaping. A manhole in the lawn to the west of the house collects flow from a house sump pump and flow through a corrugated plastic culvert from small wetland area located in the northwestern portion of the site, and discharges the accumulated water to the south to a catch basin in Stanford Drive. A segment of stone retaining wall was observed along the edge of the delineated wetland in the northwestern portion of the site near the inlet to the above-referenced culvert. 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 A8 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 A24 Stop	Blue Flags	Boundary of Bordering Vegetated Wetlands located in the northwestern portion of the site that is associated with a culvert.

### Findings

Wetland A (i.e., A-series flags) consists of a pocket of forested swamp located in the northwestern portion of the site that is connected to the street drainage system via a corrugated plastic culvert (i.e., an intermittent stream) that was installed prior to 2006. The wetland does extend into the maintained lawn area, where the wetland boundary was delineated based largely upon the presence of hydric soils. Prior to the installation of the culvert, this wetland pocket was likely hydrologically isolated. Plant species observed include red maple (*Acer rubrum*) trees and/or saplings; poison ivy (*Toxicodendron radicans*), fox grape (*Vitis labrusca*), and common greenbrier (*Smilax rotundifolia*) climbing woody vines; highbush blueberry (*Vaccinium corymbosum*), arrow-wood (*Viburnum dentatum*), glossy buckthorn (*Rhamnus frangula*), sweet pepper-bush (*Clethra alnifolia*), and American elder (*Sambucus canadensis*) shrubs; and cinnamon fern (*Osmunda cinnamomea*), spinulose woodfern (*Dryopteris spinulosa*), grasses (Gramineae sp.), and sedges (Cyperaceae sp.) ground cover. Evidence of wetland hydrology, including hydric soils, high groundwater, and saturated soils, was observed within the delineated wetland. This vegetated wetland borders an intermittent stream; accordingly, the vegetated wetlands would be regulated as Bordering Vegetated Wetlands 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.

An additional off-site Bordering Vegetated Wetlands was delineated by others in about 2006 across Stanford Drive to the south of the site. This forested swamp, which ultimately borders Bubbling Brook to the southwest of the site, is vegetated with red maple (*Acer rubrum*) and American elm (*Ulmus americana*) trees and/or saplings; poison ivy (*Toxicodendron radicans*) climbing woody vines; common winterberry (*Ilex verticillata*) and arrow-wood (*Viburnum dentatum*) shrubs, and cinnamon fern (*Osmunda cinnamomea*) ground cover. The old flags WF1A, WF2A, and WF3A would project limited additional 100-foot Buffer Zone onto the southern portion of the site under the Regulations and Bylaw/Bylaw Regulations. No current flags were observed in this area.

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,

Mr. Joseph DePippo  
April 17, 2018  
Page 3.

Norfolk County, Massachusetts, Map Number 25021C0178E, Effective Date July 17, 2012 (Dynamic FIRMette attached), the site is mapped as Other Areas: 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. When National Flood Insurance Program profile data is not available, the boundary of Bordering Land Subject to Flooding shall be the maximum lateral extent of flood water which has been measured or recorded. Bordering Land Subject to Flooding does not have a 100-foot Buffer Zone under the Regulations or 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, Norwood Quadrangle, dated 1985 (attached), there are no mapped streams located on or within 200 feet of the site. Mill Brook and Bubbling Brook are located well over 200 feet from the site. Based upon observations made during the site inspection, there are no streams located on the site or within 200 feet of the site that would qualify as a river. Based upon the lack of mapped or observed streams on or within 200 feet of the site, Riverfront Area under the Act/Regulations and Bylaw/Bylaw Regulations does not occur on the site. Riverfront Area does not have 100-foot Buffer Zone under the Act/Regulations or the 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 from the NHESP Interactive Viewer, valid from August 1, 2017, and Certified Vernal Pools 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 (5, 8 pages)

18/wr/WESTWOOD110STANFORDWRE2018

**EcoTec, Inc.**

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

Applicant:

Prepared by: EcoTec, Inc.

Project location: 110 Stanford Drive, Westwood

DEP File # :

Check all that apply:

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

Section I. Vegetation	Observation Plot Number: A <sup>8</sup>	Transect Number: Up	Date of Delineation: 4/13/2018	
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 * #
Boundary in Lawn.	Hydric soils used to set boundary. Vegetation is maintained lawn.			

# 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)(c).

\*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.

**Vegetation conclusions:**

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

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



TRANSECT A8 UP (CONT.)

Section II. Indicators of Hydrology

1. Soil Survey

Is there a published soil survey for this site? -

title/date: -  
 map number: -  
 soil type mapped: -  
 hydric soil inclusions: -

Are field observations consistent with soil survey? -

Remarks: -

2. Soil Description

Horizon	Depth (inches)	Matrix Color	Mottle Color
A	0-6	10 YR 3/2 Loam	-
B	6-12	2.5 Y 4/4 Sandy Loam	-

Remarks: Refusal at 12 inches; groundwater not encountered.

3. Other: -

Conclusion: Is soil Hydric? No

Other Indications of Hydrology: (check all that apply and describe)

- Site inundated: \_\_\_\_\_
- Depth to free water in observation hole: \_\_\_\_\_
- Depth to soil saturation in observation hole: \_\_\_\_\_
- Water marks: \_\_\_\_\_
- Drift lines: \_\_\_\_\_
- Sediment deposits: \_\_\_\_\_
- Drainage patterns in BVW: \_\_\_\_\_
- Oxidized rhizospheres: \_\_\_\_\_
- Water-stained leaves: \_\_\_\_\_
- Recorded data (stream, lake, or tidal gauge; aerial photo; other): \_\_\_\_\_
- Other: \_\_\_\_\_

Vegetation and Hydrology Conclusion		yes	no
Number of wetland indicator plants	≥ number of non-wetland indicator plants	<input type="checkbox"/> N/A	<input type="checkbox"/>
Wetland hydrology present:			
hydric soil present		<input type="checkbox"/>	<input checked="" type="checkbox"/>
other indicators of hydrology present		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample location is in a BVW		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Submit this form with the Request for Determination of Applicability or Notice of Intent.

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

Applicant:

Prepared by: EcoTec, Inc.

Project location: 110 Stanford Drive, Westwood

DEP File # :

Check all that apply:

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

Section I. Vegetation		Observation Plot Number: A <sup>8</sup>	Transect Number: Wet	Date of Delineation: 4/13/2018		
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 * #
Tree	Red Maple	<i>Acer rubrum</i>	20	50	Yes	FAC*
	Shag-bark Hickory	<i>Carya ovata</i>	20	50	Yes	FACU-
Climbing Woody Vine	Poison Ivy	<i>Toxicodendron radicans</i>	10	50	Yes	FAC*
	Fox Grape	<i>Vitis labrusca</i>	10	50	Yes	FACU
Shrub	American Elder	<i>Sambucus canadensis</i>	20	33	Yes	FACW-*
	Sweet Pepper-bush	<i>Clethra alnifolia</i>	20	33	Yes	FAC+*
	Glossy Buckthorn	<i>Rhamnus frangula</i>	20	33	Yes	FAC*

<sup>8</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)(c).

\*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.

**Vegetation conclusions:**

Number of dominant wetland indicator plants: 5      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

TRANSECT A8 WET (CONT.)

Section II. Indicators of Hydrology

1. Soil Survey

Is there a published soil survey for this site? -

title/date: -  
 map number: -  
 soil type mapped: -  
 hydric soil inclusions: -

Are field observations consistent with soil survey? -

Remarks: -

2. Soil Description

Horizon	Depth (inches)	Matrix Color	Mottle Color
A	0-8	10 YR 2/1 Loam	-
B	8-16	10 YR 5/2 Sandy Loam	7.5 YR 5/6

Remarks: Terminated at 16 inches; groundwater at 6 inches.

3. Other: -

Conclusion: Is soil Hydric? Yes

Other Indications of Hydrology: (check all that apply and describe)

- Site inundated: \_\_\_\_\_
- Depth to free water in observation hole: 6 inches
- Depth to soil saturation in observation hole: \_\_\_\_\_
- Water marks: \_\_\_\_\_
- Drift lines: \_\_\_\_\_
- Sediment deposits: \_\_\_\_\_
- Drainage patterns in BVW: \_\_\_\_\_
- Oxidized rhizospheres: \_\_\_\_\_
- Water-stained leaves: \_\_\_\_\_
- Recorded data (stream, lake, or tidal gauge; aerial photo; other): \_\_\_\_\_
- Other: \_\_\_\_\_

Vegetation and Hydrology Conclusion		
	yes	no
Number of wetland indicator plants ≥ number of non-wetland indicator plants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland hydrology present:		
hydric soil present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
other indicators of hydrology present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample location is in a BVW	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Submit this form with the Request for Determination of Applicability or Notice of Intent.

# National Flood Hazard Layer FIRMette



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth
		Regulatory Floodway Zone AE, AO, AH, VE, AR
OTHER AREAS OF FLOOD HAZARD		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 Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes, Zone A
		Area with Flood Risk due to Levee Zone A
OTHER AREAS		Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone A
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

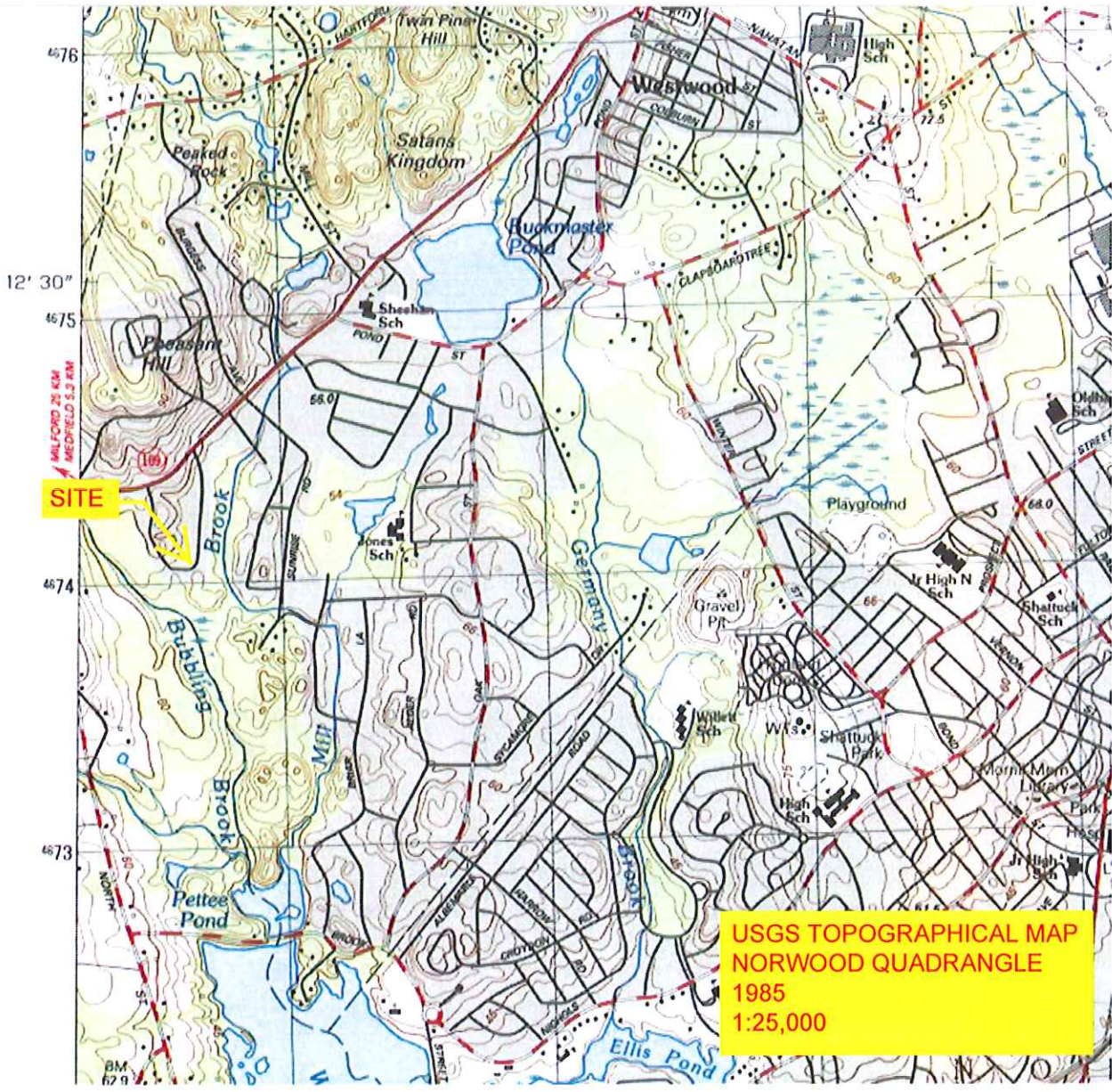


This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The base map shown complies with FEMA's base map accuracy standards.

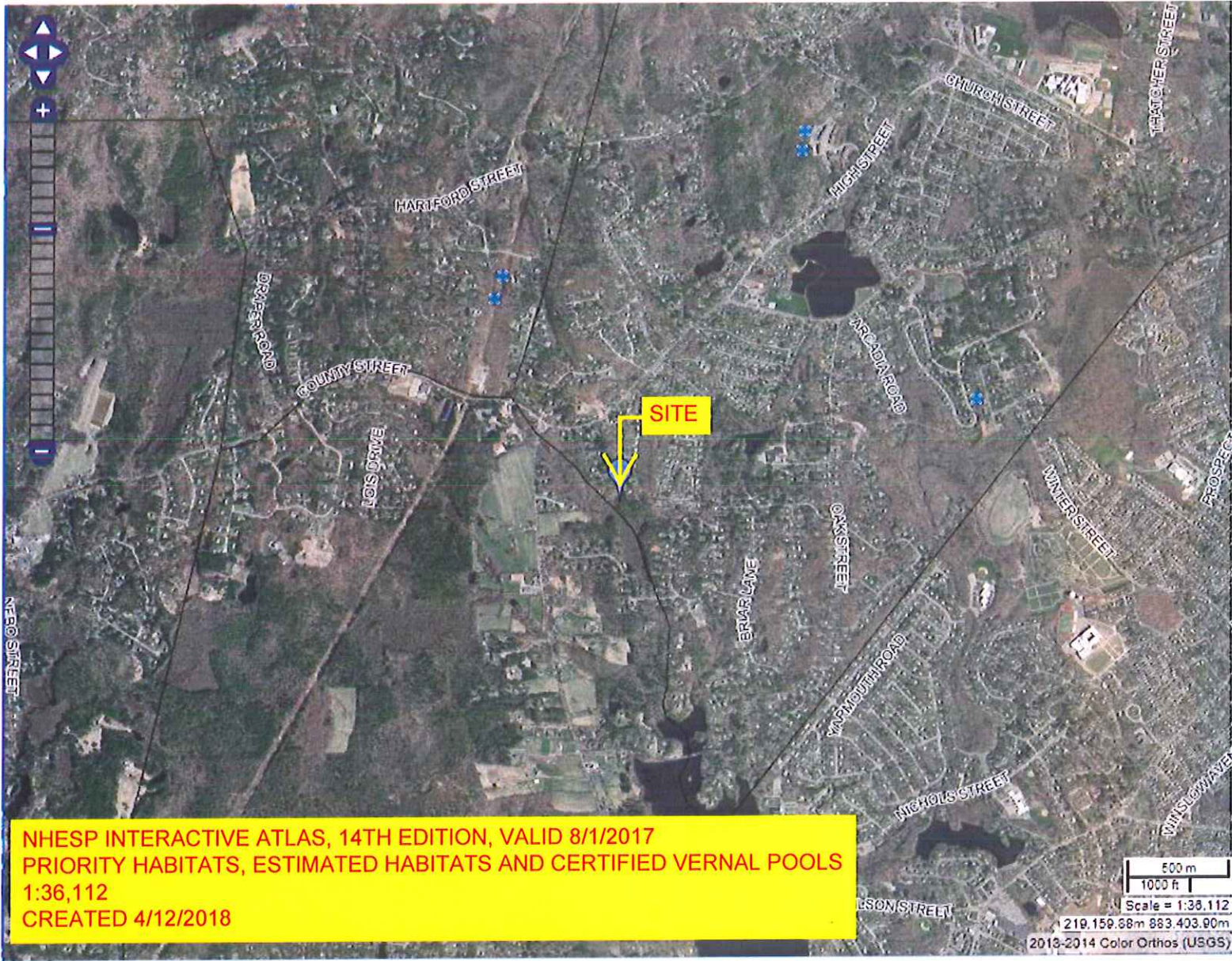
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **4/12/2018 at 7:12:41 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded 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 labels, legend, scale 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.









NHESP INTERACTIVE ATLAS, 14TH EDITION, VALID 8/1/2017  
PRIORITY HABITATS, ESTIMATED HABITATS AND CERTIFIED VERNAL POOLS  
1:36,112  
CREATED 4/12/2018

500 m  
1000 ft  
Scale = 1:36,112

219,159.88m 883,403.90m  
2013-2014 Color Orthos (USGS)

# 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 state-listed 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 E. Previtera, Chairman  
Leo J. Crowe  
William Stowe  
Grace Parr



Steven Woodworth, Vice Chair  
Michael Terry  
John C. Masterson

## 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.

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

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.

Westwood Conservation Commission  
50 Carby Street  
Westwood, MA 02090

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

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.

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. Not applicable

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.



# Plans Checklist to Accompany DEP Application for Notice of Intent (NOI)

This is a Bylaw Supplemental form to aid you in submitting complete and appropriate information on your plans.

**THIS PAGE MUST BE INCLUDED WITH YOUR NOI APPLICATION.** All applicable boxes must be marked with  or identified as "N/A"

These details are required on plans to accompany a DEP NOI application<sup>1</sup>:

- north arrow  focus insert  bar scale- 1 in. = 40-20 ft.
- existing contours (black dashed line- - - -)
- existing structure(s) with natural and man-made features
- existing rights-of-way, easements, ancient ways or other deeded ways
- existing utilities- all locations (use standard engineering symbols/notations)
- name of Wetland Specialist responsible for identifying wetland boundaries
- date wetland was flagged (must be no more than 3 yrs. prior to current date<sup>2</sup>)
- wetland boundaries with flag #'s (highlighted blue)
- notations identifying all wetland types  
(include potential or certified vernal pools w/ 100' habitat area highlighted in green).
- 100 ft Buffer zone to wetlands (solid green line)
- 10 ft no-structure setback to wetlands (dashed green line -----)
- 35 ft no-disturbance setback to wetland (dashed green line - - - -)
- floodplain (highlighted orange) per FEMA flood plain maps (if applicable)
- Annual MHW line to Riverfront area (purple solid line) labeled w/ name of River
- 200 ft. and 100 ft. Riverfront areas (purple dashed line-----) (if applicable)
- wetland fill and replication areas (yellow for filled area, ~~orange for excavation~~)
- shortest distances to all resource areas from closest proposed structure (use arrow)
- shortest distances to all resource areas from closest point of erosion control materials

Title Block with the following information:  Plan Title  
 Applicant's Name(s), address and phone  
 Property Owner Name(s), address and phone  
 Location/Street name and number-

Must obtain from Assessor's Office if new lot, prior to submission of NOI:  
 Assessor Map and Lot number(s) (All lots on which there will be activity, be must listed on the plan with appropriate Registry info.- BK/Pg or Cert. #)  
 plan preparer's name, title and company/firm name

date plan prepared  
 proposed contours (black solid line)  
 proposed structure(s) (including driveway work, septic components, etc.)<sup>3</sup>  
 proposed location of utility lines

erosion control line (highlighted red) with erosion control material detail  
 limit of Work line (solid red line- may be same as erosion control line)  
 conservation post locations (solid square symbol to indicate location of posts)  
 conservation post detail and plaque detail (copy available on website)

location of temporary stockpiles w/ notation of content (e.g. excavated soils)  
 drywells for stormwater run-off are required for all structures requiring a Building Permit. Certain excavated structures also require dry wells for discharge to ground water.  
 drywell construction detail (copy available on website)

detail showing the access pathway to work area  
 crushed stone apron onto property as per DPW standards  
 signature and stamp of licensed surveyor or professional engineer

I certify that the above checked items have been completed and understand that incomplete applications are cause for scheduling delays/continuations of public hearings.

Signed: Thuy Tran Title: Project Engineer Date: 4/26/18

<sup>1</sup> Other documents are required with the application packet- see Submittal Requirements form.  
<sup>2</sup> Wetland delineation more than three years old is not acceptable for plan submission to the Cons. Commission. Call the Cons. Office for further details.  
<sup>3</sup> For Septic upgrades, show location of all features to be abandoned including detail notations. For structure demolition, show existing structural footprint depending on the content and size, stockpiles, even temporary piles, may require erosion control at base.



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

Applicant: Brian and Kathleen Dalton

Address: 110 Stanford Drive, Westwood

Location of Project: Same

Notice of Intent

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

Total   \$ 100.00

See Westwood Wetlands Protection Bylaw Regulations for more detail.

**TOWN OF WESTWOOD**  
Commonwealth of Massachusetts

Joseph E. Prescott, Chairman  
David C. Howe  
William Stover  
Charles Rice



Steven Woodworth, Vice Chair  
Michael Terry  
John C. Musterson

**CONSERVATION COMMISSION**

**Time Waiver Requirement**

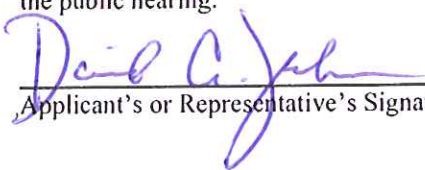
Westwood Conservation Commission  
Westwood Town Hall  
50 Carby Street  
Westwood, MA 02090

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.

  
Applicant's or Representative's Signature

APRIL 24, 2018  
Date

**Applicant's Name** Brian and Kathleen Dalton

**Project Location :** 110 Stanford Drive

**Project Type:** Addition to a single-family dwelling

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. Previtera, Chairman  
Leo J. Crowe  
William Stowe  
Charles Pare



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) 4-30-18

*Daniel C. Fisher*  
Applicant's or Representative's Signature

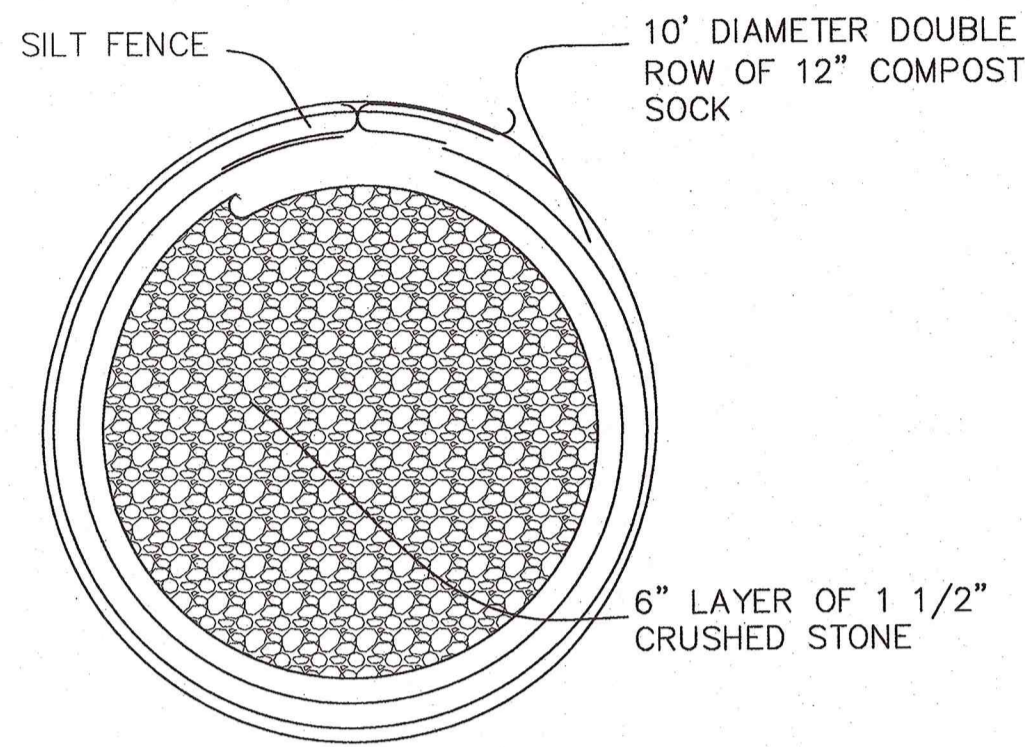
4/30/18  
Date

**Applicant's Name** Brian and Kathleen Dalton

**Project Location :** 110 Stanford Drive

**Project Type:** Addition to a single-family dwelling





**SCHEMATIC DEWATERING FILTER**

NOT TO SCALE

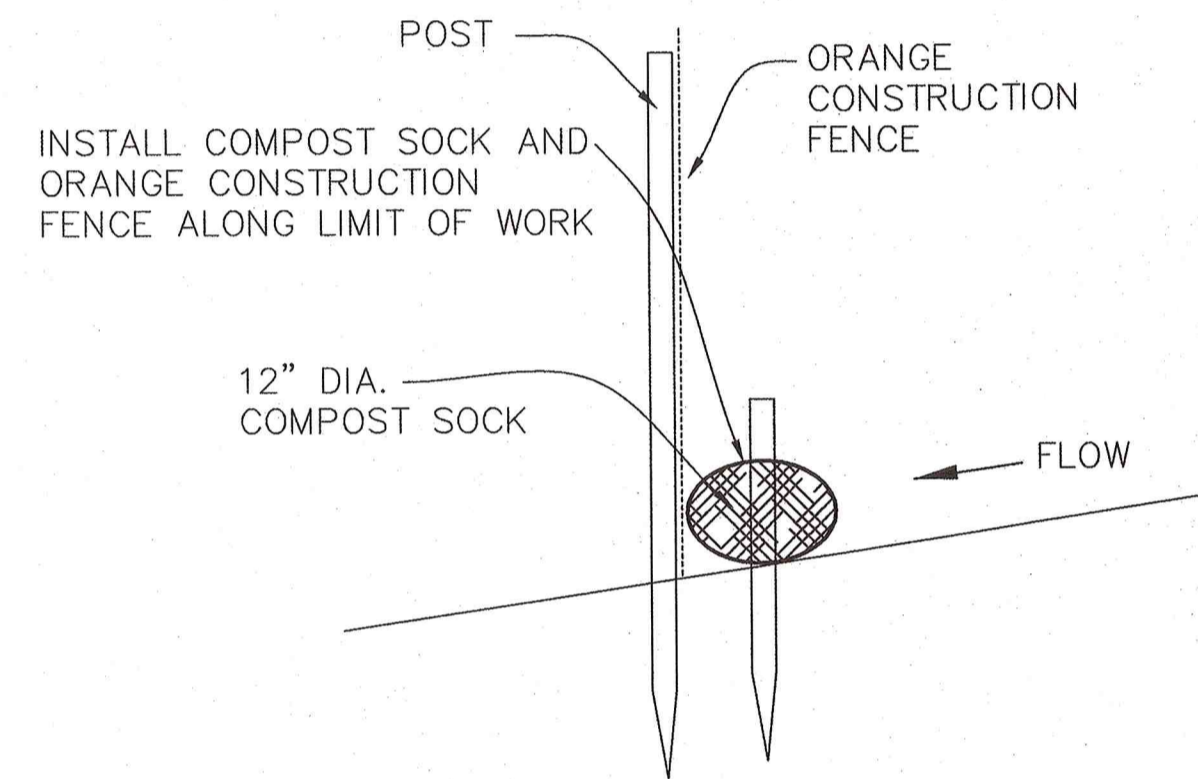
**NOTES**

**DWATERING PRACTICES**

1. DISCHARGING GROUNDWATER IS PROHIBITED UNLESS SUCH WATERS ARE FIRST EFFECTIVELY MANAGED.
2. UNCONTAMINATED, NON-TURBID DEWATERING WATER CAN BE DISCHARGED WITHOUT BEING ROUTED TO A CONTROL.

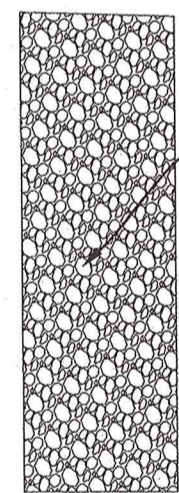
**DISCHARGE REQUIREMENTS**

1. DO NOT DISCHARGE VISIBLE FLOATING SOLIDS OR FOAM;
2. USE AN OIL-WATER SEPARATOR OR SUITABLE FILTRATION DEVICE (SUCH AS A CARTRIDGE FILTER) THAT IS DESIGNED TO REMOVE OIL, GREASE, OR OTHER PRODUCTS IF DEWATERING WATER IS FOUND TO CONTAIN THESE MATERIALS;
3. TO THE EXTENT FEASIBLE, UTILIZE VEGETATED, UPLAND AREAS OF THE SITE TO INFILTRATE DEWATERING WATER BEFORE DISCHARGE. IN NO CASE WILL SURFACE WATERS BE PART OF THE TREATMENT AREA;
4. REPLACE AND CLEAN THE FILTER MEDIA USED IN DEWATERING DEVICES AS NEEDED TO MAINTAIN ADEQUATE FLOW AND FILTRATION OF WATER;
5. DEWATERING FILTER TO BE LOCATED DOWN GRADIENT OF ABUTTING PROPERTIES



**COMPOST SOCK AND CONSTRUCTION FENCE**

NOT TO SCALE



**CRUSHED STONE APRON**

NOT TO SCALE

**NOTES**

1. FIELD SURVEY BY NORWOOD ENGINEERING CO., INC. MARCH 2006, DATUM = 1929 NGVD. AS-BUILT SURVEY JULY 27, 2007. REVISED SURVEY APRIL 17, 2018.
2. WETLANDS DELINEATED BY ECOTEC, INC. APRIL 13, 2018 BY JOHN ROCKWOOD Ph. D. TEL. (508)-752-9666. SERIES A1-A24 (BLUE FLAGS) - BW
3. THE HUD FLOOD INSURANCE RATE MAP FOR THE TOWN OF WESTWOOD 25021C0178E EFFECTIVE DATE JULY 17, 2012, ZONE "X".
4. DISTURBED AREAS TO BE RESTORED (LOAM AND SEED) .

**ZONING & LAND USE TABLE**

ITEM	RESIDENCE DISTRICT SR-C		
	REQUIRED	EXISTING	PROPOSED
LOT SIZE	40,000 S.F.	40,027 S.F.	N/C
LOT AREA UPLAND	12,000 S.F.*	34,572 S.F.	N/C
LOT FRONTAGE (CORNER LOT)	125 LF.	205 LF.+	N/C
LOT WIDTH	125 LF.	280 LF.+	N/C
SETBACKS:			
FRONT	40 FT	58.9 FT	N/C
SIDE	20 FT	48.5 FT	N/C
REAR	30 FT	77.8 FT	N/C
BLDG COVERAGE (STRUCTURE)	25%	7.0%	7.3%
LOT COVERAGE (IMPERVIOUS)	50%	12.5%	12.8%
WETLAND AREA		5,455 S.F.	N/C

\* 12,000 S.F. FOR ALL LOTS UNCHANGED SINCE 1998.

688701ANQIADDITION.dwg (proj file 5842-02A)

**CONSTRUCTION SEQUENCE FOR STORMWATER MANAGEMENT AND SEDIMENTATION CONTROL**

**PRE-CONSTRUCTION MEETING:**

1. THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION MEETING HELD BY THE APPLICANT. IT SHALL BE A MEETING WITH THE CONSTRUCTION SUPERINTENDENT, HIS ENGINEER, AND THE TOWN'S CONSERVATION AGENT. THE PURPOSE OF THE MEETING WILL BE TO REVIEW THE ORDER OF CONDITIONS AND OUTLINE THE PERFORMANCE STANDARDS IN GENERAL THAT WILL BE REQUIRED TO FULFILL THE REQUIREMENTS IN THE PERMIT.

**SEDIMENT AND EROSION CONTROL:**

- A. \* INSTALL COMPOST SOCK AND CONSTRUCTION FENCE.
  - \* PERFORM SITE CONSTRUCTION.
  - \* SWEEP STANFORD DRIVE DAILY TO REMOVE SEDIMENT
  - \* WATER DISTURBED AREAS AS NEEDED TO PREVENT DUST AND WIND BLOWN EROSION.
  - \* LOAM AND SEED ALL DISTURBED AREAS. WATER AS NECESSARY.
  - \* REMOVE THE COMPOST SOCK/CONSTRUCTION FENCE ONCE THE DISTURBED AREAS ARE FULLY STABILIZED.

**DEWATERING MEASURES:**

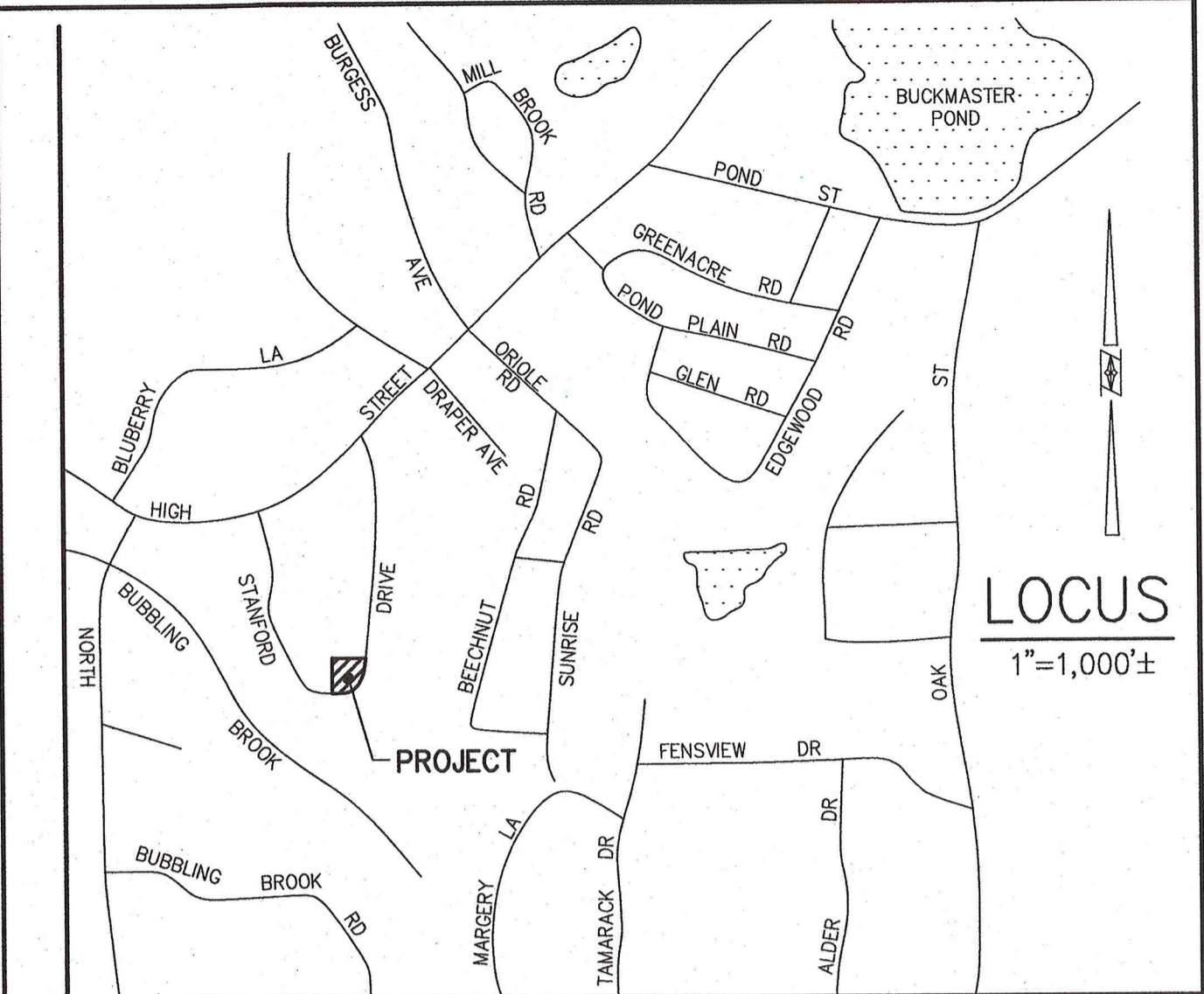
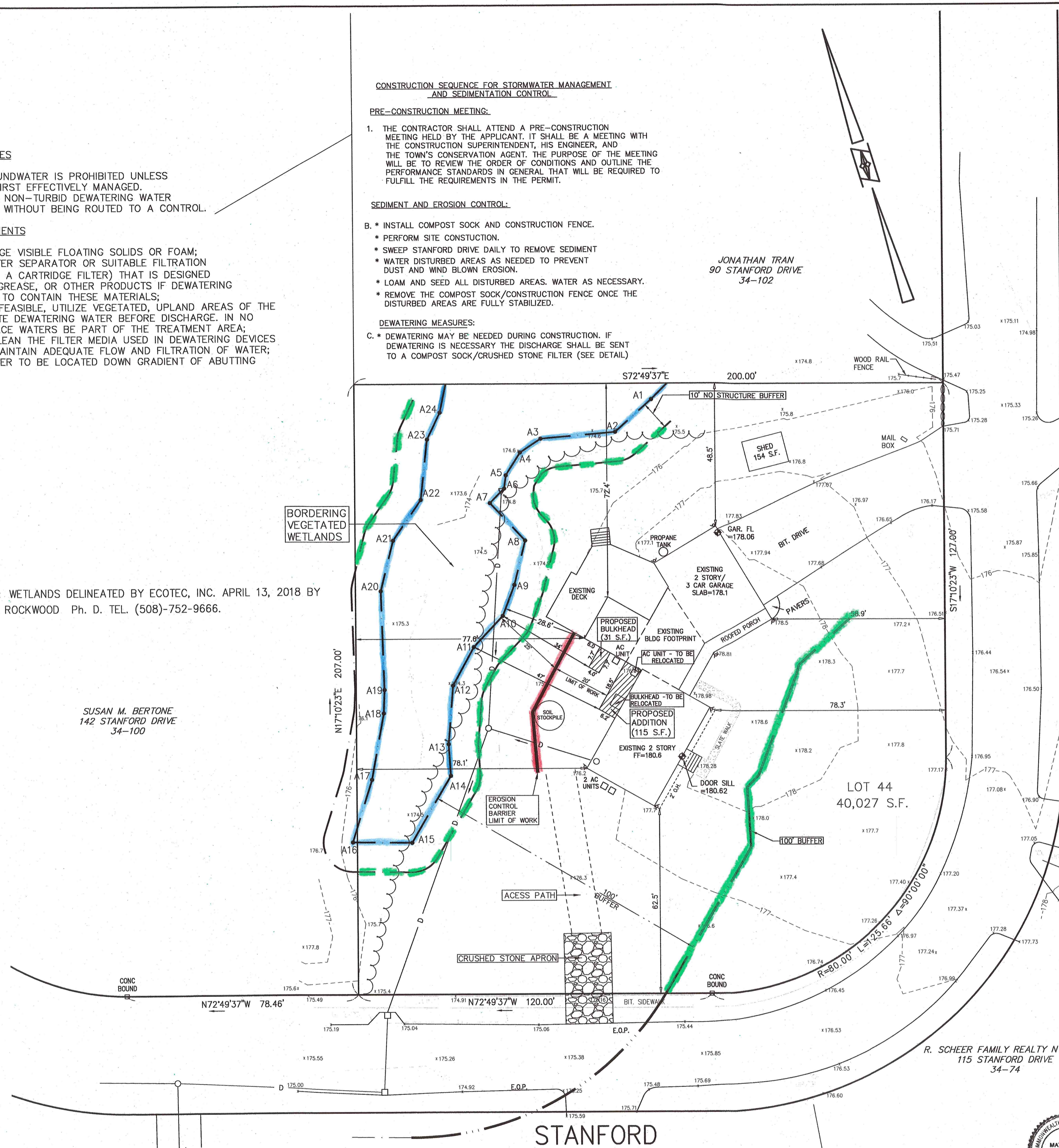
- A. \* DEWATERING MAY BE NEEDED DURING CONSTRUCTION. IF DEWATERING IS NECESSARY THE DISCHARGE SHALL BE SENT TO A COMPOST SOCK/CRUSHED STONE FILTER (SEE DETAIL)

NOTE: WETLANDS DELINEATED BY ECOTEC, INC. APRIL 13, 2018 BY JOHN ROCKWOOD Ph. D. TEL. (508)-752-9666.

SUSAN M. BERTONE  
142 STANFORD DRIVE  
34-100

REZA M. SETAYESH  
133 STANFORD DRIVE  
34-76

SCOTT P. BLOMQUIST  
125 STANFORD DRIVE  
34-75



95 STANFORD DRIVE REALTY TRUST  
95 STANFORD DRIVE  
34-72

ANTHONY C. RODRIGUES  
105 STANFORD DRIVE  
34-73

OWNER/APPLICANT (LOT 44)  
BRIAN & KATHLEEN DALTON  
110 STANFORD DRIVE  
WESTWOOD, MA 02090

ASSESSORS ID  
MAP 34 PARCEL 101  
DEED BOOK 17959 PAGE 390  
DATED JANUARY 2, 2003

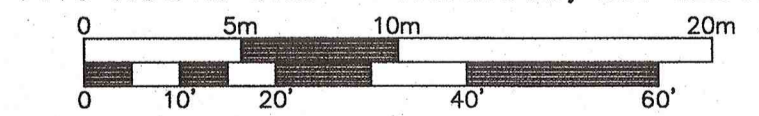
ZONE  
SINGLE RESIDENCE "C"

PLAN REFERENCE  
PLAN #372 OF 1959 IN PLAN  
BOOK 206 AT NORFOLK REGISTRY  
OF DEEDS

**NOTICE OF INTENT PLAN  
PROPOSED ADDITION  
110 STANFORD DRIVE  
WESTWOOD, MASS.**

SCALE: 1"=20' APRIL 17, 2018

NORWOOD ENGINEERING CO., INC.  
CONSULTING ENGINEERS - LAND SURVEYORS  
1410 ROUTE ONE NORWOOD, MA 02062



REVISIONS	

