

06/27/13

Acton Conservation Commission
472 Main Street
Acton, MA 01720

Re: Revised ANRAD plan—DEP CE-085-1128
4 Horseshoe Drive, Acton, MA

Dear Acton Conservation Commission:

Goddard Consulting, LLC is pleased to submit this revised Abbreviated Notice of Resource Area Delineation (ANRAD) plan on behalf of the applicant, Westchester Homes, Inc., for the parcel known as 4 Horseshoe Drive in Acton.

Additional details were added to the plan to increase accuracy of the wetland delineation. A new isolated vegetated wetland finger was added to the existing B-series, denoted as B6A through B6L. This wetland finger extends from the previously delineated Isolated Vegetated Wetland (IVW) towards the southern end of the site.

Also added to the plan were the IVW 50 foot and 75 foot Buffer Zone boundaries jurisdictional under the Town of Acton Wetlands Protection Bylaws. These are unrelated to the previously shown 100 foot Buffer Zone for the Bordering Vegetated Wetland, and extend out from the IVW on the site. There is some overlap between the IVW Buffer Zones and the WPA- jurisdictional 100-foot Buffer Zone. A historical cart path separates the Isolated Vegetated Wetland and the Bordering Vegetated Wetland.

According to the NHESP Data Layers, this site is not located within a Priority Habitat of Rare Species or an Estimated Habitat of Rare Wildlife.

We request confirmation of the identified jurisdictional wetland resource areas, including BVW and Bank under the WPA; the IVW is non-jurisdictional under the WPA and is jurisdictional under the Town of Acton Wetlands Protection Bylaws.

A full copy of the revised site plan is enclosed with this cover letter along with a small copy of the originally submitted site plan to demonstrate to revisions made.

If there are any questions concerning this submission, please do not hesitate to contact us.

Sincerely,

by

A handwritten signature in black ink, appearing to read "Scott G. Goddard". The signature is written in a cursive style with a large, sweeping initial "S".

Scott G Goddard, PWS
Professional Wetland Scientist

cc:

- Steve Marsh, Westchester Homes, Inc., 360 Massachusetts Ave, Acton, MA, 01720
- George and Judith Collison, 14 Horseshoe Drive, Acton, MA 01720
- Wetlands Division, DEP -CRO, 627 Main Street, Worcester, MA, 01608

05/23/13

Acton Conservation Commission
472 Main Street
Acton, MA 01720

Dear Acton Conservation Commission:

Goddard Consulting, LLC is pleased to submit this Abbreviated Notice of Resource Area Delineation (ANRAD) on behalf of the applicant, Westchester Homes, Inc., for the confirmation of all wetland resource areas at a 0.5+/- acre site at 4 Horseshoe Drive (Acton Town Atlas Map G-4, Parcel 49-13 and Land Registry Book 1294, Page 104).

The wetland resource areas were delineated in December 2012. The wetland borders were flagged using the criteria in the most recent edition of MA Wetland Protection Act (WPA) and Regulations 310 CMR 10.00 *et al* as well. Hydric soil indicators, vegetation changes, hydrological indicators, and topography were all considered for delineation purposes. The attached Wetland Border Report provides a description of the wetland resource areas. The site contains approximately 84 linear feet (l.f.) of Bordering Vegetated Wetlands (BVW), 270 l.f. of Non-Jurisdictional Isolated Vegetated Wetland, and 154 l.f. of Bank, jurisdictional under the WPA and the Town of Acton Bylaws. A historical cart path separates the Isolated Vegetated Wetland and the Bordering Vegetated Wetland.

Observation plots (upgradient and downgradient) of wetland flag #A7 were completed using the DEP Bordering Vegetated Wetland Delineation Field Data Form. Copies of the forms are included in this filing.

According to the NHESP Data Layers, this site is not located within a Priority Habitat of Rare Species or an Estimated Habitat of Rare Wildlife.

We request confirmation of the identified jurisdictional wetland resource areas, including BVW and Bank under the WPA; the IVW is non-jurisdictional under the WPA.

Four copies of the ANRAD application plus 4 copies of the plans are enclosed. The titles of all the documents enclosed are as follows:

- ANRAD Cover Letter. Goddard Consulting, LLC. 5/8/13
- ANRAD (WPA Form 4A) Application Form.
- ANRAD Wetland Fee Transmittal Form and Copy of Fee checks.
- Certified Abutters List, Notification to Abutters, Affidavit of Service.
- *USGS Site Locus*. Goddard Consulting, LLC. 5/20/13

- *Wetland Border Report*. Goddard Consulting, LLC. 2/28/13
- DEP Bordering Vegetated Wetland Delineation Field Data Forms
- *Resource Area Delineation Plan*. Markey and Rubin Civil Engineering. 5/17/13

If there are any questions concerning this submission, please do not hesitate to contact us.

Sincerely,

by

A handwritten signature in black ink, appearing to read "Scott G. Goddard". The signature is written in a cursive style with a large, sweeping initial "S".

Scott G Goddard, PWS
Professional Wetland Scientist

cc:

- Steve Marsh, Westchester Homes, Inc., 360 Massachusetts Ave, Acton, MA, 01720
- George and Judith Collison, 14 Horseshoe Drive, Acton, MA 01720
- Wetlands Division, DEP -CRO, 627 Main Street, Worcester, MA, 01608



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Form 4A – Abbreviated Notice of
Resource Area Delineation

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Acton
 City/Town

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

A. General Information

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

4 Horseshoe Drive
 a. Street Address
 Acton
 b. City/Town
 01720
 c. Zip Code
 Latitude and Longitude:
 42.477375
 d. Latitude
 -71.416379
 e. Longitude
 G-4
 f. Assessors Map/Plat Number
 49-13
 g. Parcel /Lot Number

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



2. Applicant:

Steve
 a. First Name
 Marsh
 b. Last Name
 Westchester Homes, Inc
 c. Organization
 360 Massachusetts Avenue
 d. Mailing Address
 Acton
 e. City/Town
 MA
 f. State
 01720
 g. Zip Code
 (978) 771-8935
 h. Phone Number
 i. Fax Number
 Kingst435@msn.com
 j. Email Address

3. Property owner (if different from applicant):

George and Judith
 a. First Name
 Collison
 b. Last Name
 c. Organization
 14 Horseshoe Drive
 d. Mailing Address
 Acton
 e. City/Town
 MA
 f. State
 01720
 g. Zip Code
 h. Phone Number
 i. Fax Number
 j. Email Address

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

4. Representative (if any):

Scott
 a. Contact Person First Name
 Goddard
 b. Contact Person Last Name
 Goddard Consulting LLC
 c. Organization
 P.O. Box 299
 d. Mailing Address
 Northborough
 e. City/Town
 MA
 f. State
 01532
 g. Zip Code
 (508) 525-0726
 h. Phone Number
 i. Fax Number
 scott@goddardconsultingllc.com
 j. Email Address

Fees will be calculated for online users.

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

\$200
 a. Total Fee Paid
 \$87.50
 b. State Fee Paid
 \$112.50
 c. City/Town Fee Paid



WPA Form 4A – Abbreviated Notice of Resource Area Delineation

MassDEP File Number

Document Transaction Number

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

Acton
City/Town

B. Area(s) Delineated

1. Bordering Vegetated Wetland (BVW) 84'
Linear Feet of Boundary Delineated
2. Check all methods used to delineate the Bordering Vegetated Wetland (BVW) boundary:
 - a. MassDEP BVW Field Data Form (attached)
 - b. Other Methods for Determining the BVW boundary (attach documentation):
 1. 50% or more wetland indicator plants
 2. Saturated/inundated conditions exist
 3. Groundwater indicators
 4. Direct observation
 5. Hydric soil indicators
 6. Credible evidence of conditions prior to disturbance

3. Indicate any other resource area boundaries that are delineated:

<u>Isolated Vegetated Wetlands</u>	<u>270'</u>
a. Resource Area	b. Linear Feet Delineated
_____	_____
c. Resource Area	d. Linear Feet Delineated

C. Additional Information

Applicants must include the following plans with this Abbreviated Notice of Resource Area Delineation. See instructions for details. **Online Users:** Attach the Document Transaction Number (provided on your receipt page) for any of the following information you submit to the Department.

1. ANRAD (Delineation Plans only)
2. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
3. Plans identifying the boundaries of the Bordering Vegetated Wetlands (BVW) (and/or other resource areas, if applicable).
4. List the titles and final revision dates for all plans and other materials submitted with this Abbreviated Notice of Resource Area Delineation.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Form 4A – Abbreviated Notice of
Resource Area Delineation
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40
 And Acton Wetlands Protection Bylaw

Provided by MassDEP:

 MassDEP File Number

 Document Transaction Number

 Acton
 City/Town

D. Fees

The fees for work proposed under each Abbreviated Notice of Resource Area Delineation must be calculated and submitted to the Conservation Commission and the Department (see Instructions and Wetland Fee Transmittal Form).

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

Applicants must submit the following information (in addition to the attached Wetland Fee Transmittal Form) to confirm fee payment:

122	5/21/13
2. Municipal Check Number	3. Check date
123	5/21/13
4. State Check Number	5. Check date
Westchester Company Inc	
6. Payor name on check: First Name	7. Payor name on check: Last Name



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

MassDEP File Number

Document Transaction Number

Acton
City/Town

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

E. Signatures And Acton Wetlands Protection Bylaw

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

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

I hereby grant permission, to the Agent or member of the Conservation Commission and the Department of Environmental Protection, to enter and inspect the area subject to this Notice at reasonable hours to evaluate the wetland resource boundaries subject to this Notice, and to require the submittal of any data deemed necessary by the Conservation Commission or Department for that evaluation.

I acknowledge that failure to comply with these certification requirements is grounds for the Conservation Commission or the Department to take enforcement action.

1. Signature of Applicant _____

3. Signature of Property Owner (if different) _____

5. Signature of Representative (if any) _____

2. Date 5/21/13 _____

4. Date 5/21/13 _____

6. Date 5/21/13 _____

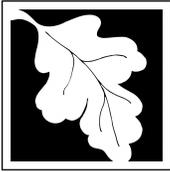
For Conservation Commission:

Two copies of the completed Abbreviated Notice of Resource Area Delineation (Form 4A), including supporting plans and documents; two copies of the ANRAD Wetland Fee Transmittal Form; and the city/town fee payment must be sent to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Abbreviated Notice of Resource Area Delineation (Form 4A), including supporting plans and documents; one copy of the ANRAD Wetland Fee Transmittal Form; and a copy of the state fee payment must be sent to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery. (E-filers may submit these electronically.)

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Form 4A – ANRAD Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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



A. Applicant Information

1. Applicant:

Steve Marsh Westchester Homes, Inc
 a. First Name b. Last Name c. Organization
360 Massachusetts Avenue
 d. Mailing Address
Acton MA 01720
 e. City/Town f. State g. Zip Code
(978) 771-8935
 h. Phone Number

2. Property Owner (if different):

George and Judith Collison _____
 a. First Name b. Last Name c. Organization
14 Horseshoe Drive
 d. Mailing Address
Acton MA 01720
 e. City/Town f. State g. Zip Code
 h. Phone Number

3. Project Location:

4 Horseshoe Drive Acton
 a. Street Address b. City/Town

B. Fees

The fee is calculated as follows for each resource area delineation included in the ANRAD (check applicable project type):

Bordering Vegetated Wetland:

1. <input checked="" type="checkbox"/>	single family house project	<u>84'</u> a. linear feet	<u>\$168</u> x \$2.00 =	<u>\$168</u> b. Total fee not to exceed \$200
2. <input type="checkbox"/>	all other projects	_____ a. linear feet	_____ x \$2.00 =	_____ b. Total fee not to exceed \$2,000

Other resource area (e.g., Bank, Riverfront Area, etc.):

3. <input checked="" type="checkbox"/>	single family house project	<u>118' (Bank)</u> a. linear feet	<u>\$236</u> x \$2.00 =	<u>\$200</u> b. Total fee not to exceed \$200
4. <input type="checkbox"/>	all other projects	_____ a. linear feet	_____ x \$2.00 =	_____ b. Total fee not to exceed \$2,000

Total Project Fee (not to exceed \$200 for projects on single-family house lots and not to exceed \$2,000 for all other projects):

\$200

State share of filing fee:

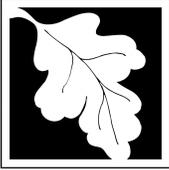
\$87.50

City/Town share of filing fee:

6. 1/2 of total fee **less** \$12.50

\$112.50

7. 1/2 of total fee **plus** \$12.50



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

WPA Form 4A – ANRAD Wetland Fee Transmittal Form

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

C. Submittal Requirements

- a.) Send a copy of this form, with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts, to:

Department of Environmental Protection
Box 4062
Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Abbreviated Notice of Resource Area Delineation; a **copy** of this form; and the city/town fee payment.
- c.) **To MassDEP Regional Office** (see Instructions): Send one copy of the Abbreviated Notice of Resource Area Delineation (and any additional documentation required); a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)



Town of Acton
472 Main Street
Acton, MA 01720
Telephone (978) 929-6621
Fax (978) 264-9630

Brian McMullen
Assessor

Locus: 4 Horseshoe Drive
Parcel ID: G4-49-13

Parcel ID	Location	Owner	Co-Owner	Mailing Address
G4-49-14	14 HORSESHOE DR	COLLISON GEORGE R	COLLISON JUDITH	14 HORSESHOE DR
G4-49-15	8 HORSESHOE DR	WANG WEN	WANG WEI	8 HORSESHOE DRIVE
G4-49-16	12 HORSESHOE DR	LONGWOOD HOMES LLC		114 NEWTOWN RD
G4-49-3	1 HORSESHOE DR	MCMANUS PAUL E	SHARON A SMITH MCMANUS	1 HORSESHOE DR.
G4-49-4	121 CONCORD RD	COLLISON GEORGE	COLLISON JUDITH	14 HORSESHOE DR
G4-49-5	5 HORSESHOE DR	GURNEE CHRISTOPHER M	GURNEE NICOLE F	5 HORSESHOE DR
G4-49-6	123 CONCORD RD	COLLISON GEORGE	COLLISON JUDITH	14 HORSESHOE DR

The owner of sharing a common boundary or corner with the site of the proposed activity (100 feet) in any direction, including land located directly across a street, way, creek, river, stream, brook or canal. The above are as they appear on the most recent applicable taxes.

Kelly Schorr

16-May-13

Acton Assessors Office

AFFIDAVIT OF SERVICE

Under the Massachusetts Wetlands Protection Act and the Town of Acton
Wetlands Protection Bylaw

I, Rachel Watsky hereby certify under the pains and penalties of perjury that on May 23, 2013 I gave notification to abutters in Compliance with the second paragraph of Massachusetts General Law Chapter 131, Section 40, and the DEP Guide to Abutter Notification dating April, 8, 1994 in connection with the following matter:

An Abbreviated Notice of Resource Area Delineation was filed under the Massachusetts Wetlands Protection Act and the Town of Acton Wetlands Protection Bylaw by Steve Marsh with the Acton Conservation Commission on 05/23/2013 for a property located at 4 Horseshoe Drive.

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


(Name)

05/23/13
(Date)

**Notification to Abutters Under the
Massachusetts Wetlands Protection Act and
the Town of Acton Wetlands Protection Bylaw**

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40 and the Town of Acton Wetlands Protection Bylaw you are hereby notified of the following:

The Applicant: Steve Marsh, Westchester Homes, Inc.

Address: 360 Massachusetts Ave, Acton, MA 01720

Phone: (978) 771-8935

Has filed an Abbreviated Notice of Resource Area Delineation (ANRAD) with the **Acton Conservation Commission** seeking confirmation of the identified jurisdictional wetland resource areas under the Wetlands Protection Act and the Acton Wetlands Protection Bylaw.

Applicant's Representative: Scott Goddard, Goddard Consulting LLC.

Address: P.O. Box 299, Northborough, MA 01532 Phone: (508) 525-0726

The address of the property where the activity is proposed: 4 Horseshoe Drive, Acton, MA.

Town Atlas Plat/Map: G4

Parcel/Lot: 49-13

Project description: Confirming the wetland delineation boundaries on the parcel.

Copies of the ANRAD may be examined at the **Conservation Office, Acton Town Hall**, 472 Main Street, Acton between the hours of **9:00am and 4:30pm Monday through Friday**. For more information please call the Conservation Office at **(978) 264-9631**.

A Public hearing will be held at the **Acton Town Hall, 472 Main Street**, on Wednesday, **06/05/2013 at 8:30 pm**.

The notice of the public hearing will be published at least five (5) days in advance in the Acton edition of the ***Beacon*** newspaper or ***Metrowest Daily News***.

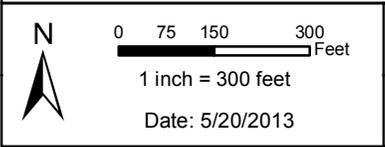
NOTE: You may also contact your local conservation commission or the nearest Department of Environmental Protection Regional Office* for the information about this application or, the Wetlands Protection Act. Acton is in the Central Region of DEP. To contact DEP, call:

***DEP Central Region: (508) 972-7650
627 Main Street, Worcester MA 01608**



USGS Site Locus

4 Horseshoe Drive - Acton, MA



GIS Data Source: "Office of Geographic Information (MassGIS), Commonwealth of Massachusetts Information Technology Division"



2/28/13

Mr. Steve Marsh
Westchester Homes, Inc.
360 Massachusetts Avenue
Acton, MA 01720

Re: Wetland Border Report
4 Horseshoe Drive (near Central Street), Acton, MA

On December 9, 2013 the wetland resource areas were delineated on a vacant lot known as 4 Horseshoe Drive in Acton, MA. The wetland border was flagged using the criteria in the most recent edition of MA Wetland Protection Act (WPA) and Regulations 310 CMR 10.00 *et al* as well as the Acton Wetlands Protection Bylaw. Hydric soil indicators, vegetational changes, hydrological indicators, and topography were all considered for delineation purposes. The Bordering Vegetated Wetland (BVW) flags and Bank flags are blue and are denoted by SGG #.

The parcel contains BVW and Bank resources along an intermittent stream delineated with flags SGG #A1 through SGG #A13. Note that flags #A1-#A3 and #A9-#A13 represent bank, while the balance represent BVW. An isolated vegetated wetland (IVW) was also found separated from the BVW by an historic cart path. This IVW is denoted by flags SGG #B1 through SGG #B11. Much of the boundary follows a fairly well defined slope break.

SGG #A7 was documented using MA DEP Data Sheets, and those sheets are attached. According to the 2008 MA Natural Heritage Atlas, this site *is not* located within an Estimated Habitat of Rare Wildlife, nor is the site mapped for certified or potential vernal pools. All proposed work within 100 feet of delineated resource areas requires the filing of a Notice of Intent (NOI) with the Acton Conservation Commission. Furthermore, the boundaries of these resource areas can be field verified by the Commission through the filing of an Abbreviated Notice of Resource Area Delineation (ANRAD). If there are any questions concerning this report or for assistance with permitting, please do not hesitate to contact me.

Very truly yours,
GODDARD CONSULTING, LLC

by 

Scott Goddard, Manager & PWS

Applicant: Westchester Homes

Prepared by: Goddard Consulting, LLC

Project location: 4 Horseshoe Drive, Acton

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: SGG #A7 Transect Number: Upgradient Date of Delineation: 9-Dec-12

Sample Layer and Plant Species	Scientific name	% Cover	% Dominance	Dominant Plant (yes or no)	Wetland Indicator Category*
<i>Tree Layer</i>					
Red oak	<i>Quercus rubra</i>	70%	70.0%	yes	FACU-
White pine	<i>Pinus strobus</i>	20%	20.0%	yes	FAC-
Red maple	<i>Acer rubrum</i>	10%	10.0%	no	FAC*
<i>Sapling Layer</i>					
White pine	<i>Pinus strobus</i>	5%	100.0%	yes	FAC-
<i>Shrub Layer</i>					
Highbush blueberry	<i>Vaccinium corymbosum</i>	5%	21.7%	yes	FACW-*
European buckthorn	<i>Rhamnus frangula</i>	3%	13.0%	no	FAC*
White pine	<i>Pinus strobus</i>	5%	21.7%	yes	FAC-
Red oak	<i>Quercus rubra</i>	5%	21.7%	yes	FACU-
Fruit tree	<i>Prunus/Pyrus sp.</i>	5%	21.7%	yes	FACU
<i>Climbing Woody Vine</i>					
none					
<i>Ground Cover</i>					
none					

Remarks: _____

Morphological Adaptations: 0

Description: _____

* An asterisk after indicator status denotes wetlands plants: plants listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum; or plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL.

Vegetation conclusion:

Number of dominant wetland indicator plants: 1

Number of dominant non-wetland indicator plants: 6

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

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

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? yes no
 title/date: Interim Soil Survey of Middlesex County - 1991 (Maps - 1989)
 map number: Acton
 soil type mapped: Woodbridge
 hydric soil inclusions: Norwell, Sippican, Ridgebury

Are field observations consistent with soil survey? yes no
 Remarks: _____

2. Soil Description

Horizon	Depth (inches)	Matrix Color	Mottles Color or Texture
Ap	0-5"	10YR3/2	topsoil
Bw	5-15"+	10YR4/4	subsoil

Remarks: _____

3. Other: _____

Conclusion: Is soil hydric? yes no

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

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

Vegetation and Hydrology Conclusion for Upgradient of SGG #A7		
	yes	no
Number of wetland indicator plants >= number of non-wetland plants		X
Wetland hydrology present:		
hydric soils present		X
other indicators of hydrology present		X
Sample location is in a BVW		X

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: Westchester Homes

 Prepared by: Goddard Consulting, LLC

 Project location: 4 Horseshoe Drive, Acton

DEP File #: _____

Check all that apply:

- | | |
|-------------------------------------|---------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only |
| <input checked="" type="checkbox"/> | Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II |
| <input type="checkbox"/> | Method other than dominance test used (attach additional information) |

Section I. Vegetation	Observation Plot Number: SGG #A7	Transect Number: Downgradient	Date of Delineation: 9-Dec-12		
Sample Layer and Plant Species	Scientific name	% Cover	% Dominance	Dominant Plant (yes or no)	Wetland Indicator Category*
<i>Tree Layer</i>					
Red maple	<i>Acer rubrum</i>	10%	50.0%	yes	FAC*
<i>Sapling Layer</i>					
American hazelnut	<i>Corylus americana</i>	10%	66.7%	yes	FACU-
Fruit tree	<i>Prunus/Pyrus sp.</i>	5%	33.3%	yes	FACU
<i>Shrub Layer</i>					
European buckthorn	<i>Rhamnus frangula</i>	10%	22.2%	yes	FAC*
White pine	<i>Pinus strobus</i>	5%	11.1%	no	FAC-
Northern arrowwood	<i>Viburnum recognitum</i>	15%	33.3%	yes	FACW-*
Highbush blueberry	<i>Vaccinium corymbosum</i>	15%	33.3%	yes	FACW-*
<i>Climbing Woody Vine</i>					
none					
<i>Ground Cover</i>					
White pine	<i>Pinus strobus</i>	5%	100.0%	yes	FAC-
Remarks: _____					
Morphological Adaptations: 0			Description: _____		
* An asterisk after indicator status denotes wetlands plants: plants listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum; or plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL.					
Vegetation conclusion:					
Number of dominant wetland indicator plants: 4			Number of dominant non-wetland indicator plants: 3		
Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? yes					

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.

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? yes no
 title/date: Interim Soil Survey of Middlesex County - 1991 (Maps - 1989)
 map number: Acton
 soil type mapped: Whitman
 hydric soil inclusions: Brockton, Ridgebury, Norwell, Mattapoisett

Are field observations consistent with soil survey? yes no
 Remarks: _____

2. Soil Description

Horizon	Depth (inches)	Matrix Color	Mottles Color or Texture
Ap	0-12"+	5Y2/2	mucky topsoil 10% 7.5YR5/8 redox

Remarks: _____

3. Other: _____

Conclusion: Is soil hydric? yes no

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

- Site inundated: _____
- Depth to free water in observation hole: _____
- Depth to soil saturation in observation hole: 0"
- 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 for Downgradient of SGG #A7		
	yes	no
Number of wetland indicator plants >= number of non-wetland plants	X	
Wetland hydrology present:		
hydric soils present	X	
other indicators of hydrology present	X	
Sample location is in a BVW	X	

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