OFFICE COPY

Stamski and McNary, Inc.
Engineering - Planning – Surveying
80 Harris Street Acton, MA 01720 (978) 263-8585

Abbreviated Notice of Resource Area Delineation

Under the Massachusetts Wetland Protection Act,
G.L. c. 131, s. 40 &
Town of Acton Wetland Protection Bylaw

for

530 Main Street
Acton, MA

RECEIVED
MAY 18 2007
ACTON CONSERVATION COMMISSION

Owner/Applicant: Conant Brook Properties, LLC.
P.O. Box 458
Lexington, MA 02420

Date: May 16, 2007

SM-3984

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dated: May 9, 2007

WPA Form 4A – Abbreviated Notice of Resource Area Delineation

For

530 Main Street
Acton, MA

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

Provided by DEP:

DEP File Number

Document Transaction Number

Acton
City/Town

A. General Information

1. Project Type:

   a. ☒ Resource Area Delineation Only

   b. ☐ Resource Area Delineation Subject to Simplified Review

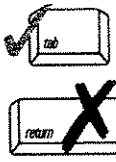
2. Project Location (**Note:** electronic filers will click on button for GIS locator):

530 Main Street (a. Street Address) | Acton (b. City/Town) | 01720 (c. Zip Code)

Latitude and Longitude: 042d 28'24.3"N (d. Latitude) | 071d 25'42.9"W (e. Longitude)

E-4 (f. Assessors Map/Plat Number) | 25 (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.



3. Applicant:

Dean (a. First Name) | Curtin (b. Last Name) | Conant Brook Properties, LLC (c. Company)

P.O.Box 458 (d. Mailing Address)

Lexington (e. City/Town) | MA (f. State) | 02420 (g. Zip Code)

(800) 230-2723 (h. Phone Number) | (781) 861-6020 (i. Fax Number) | (j. Email address)

4. Property owner (if different from applicant): ☐ Check if more than one owner

(a. First Name) | (b. Last Name) | (c. Company)

(d. Mailing Address)

(e. City/Town) | (f. State) | (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.

5. Representative (if any):

Stamski and McNary, Inc. (a. Firm)

George (b. Contact Person First Name) | Dimakarakos (c. Contact Person Last Name)

80 Harris Street (d. Mailing Address)

Acton (e. City/Town) | MA (f. State) | 01720 (g. Zip Code)

(978)263-8585x212 (h. Phone Number) | (978) 263-9883 (i. Fax Number) | gd@stamskiandmcnary.com (j. Email address)

RECEIVED
MAY 18 2007
ACTON CONSERVATION COMMISSION

Fees will be calculated for online users.

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

$2000.00 (a. Total Fee Paid) | $987.50 (b. State Fee Paid) | $1012.50 (c. City/Town Fee Paid)

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

Provided by DEP:

DEP File Number

Document Transaction Number

Acton
City/Town

B. Area(s) Delineated

1. Bordering Vegetated Wetland (BVW) — 2,268 Linear Feet of Boundary Delineated

2. Check all methods used to delineate the Bordering Vegetated Wetland (BVW) boundary:

   a. ☒ DEP 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 if any other resource area(s) are delineated:

Riverfront (a. Resource Area)	339 (b. Linear Feet Delineated)
Bordering Land Subject to Flooding (c. Resource Area)	435 (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. ☐ Simplified Review ANRAD with Stormwater (Delineation Plans and Project Plans)
3. ☐ Simplified Review ANRAD without Stormwater (Delineation Plans only)
4. ☒ 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.)
5. ☒ Plans identifying the boundaries of the Bordering Vegetated Wetlands (BVW) (and other resource areas, if applicable).
6. ☐ List the titles and final revision dates for all plans and other materials submitted with this Abbreviated Notice of Resource Area Delineation.

D. Simplified Review for Buffer Zone Projects

Simplified Review cannot be applied to work proposed within riverfront areas or bordering land subject to flooding.

I certify that the project design and construction, in order to be eligible for Buffer Zone Simplified Review, complies with the following requirements.

Boxes 1-10 must be checked in order for the application to be eligible.

1. ☐ No work of any kind will occur within any wetland resource areas including Riverfront Area and Bordering Land Subject to Flooding.
2. ☐ The inner 0-to-50-foot wide area from the delineated wetland boundary will not be disturbed by any work associated with this project, including placement of any stormwater management components.
3. ☐ The buffer zone where the work is proposed does not border an Outstanding Resource Water (e.g., certified vernal pool, public water supply reservoir or tributary), as defined in 314 CMR 4.00 or border coastal resource areas at 310 CMR 10.25-10.35.
4. ☐ The buffer zone is not adjacent to wetland resources with estimated wildlife habitat (which is identified on the most recent Estimated Habitat Map of State-listed Rare Wetlands Wildlife).
5. ☐ If the project is subject to the Massachusetts Stormwater Policy, all work will be conducted in conformance with an approved Stormwater Management Plan.
6. ☐ Erosion and Sedimentation controls will be provided at the 50-foot buffer zone line or limit of work (whichever is a greater distance from the resource area) and be sufficient to protect resource areas during construction.
7. ☐ The buffer zone does not contain an existing slope greater than an average of 15% at its steepest gradient across the 100-foot width of the buffer zone from the edge of the resource area to the outer edge of the buffer zone.
8. ☐ Following completion of the project, the amount of new impervious surface, in combination with existing impervious surfaces, will not exceed 40% of the buffer zone between 50 and 100 feet from a delineated boundary.
9. ☐ If work authorized under Simplified Review is commenced, no work is allowed, and no additional NOI or RDA may be filed, for any work within the 0-to-50-foot buffer zone during the term of an ORAD associated with this application. If work authorized under Simplified Review is **not** commenced, then future NOIs or RDAs may be filed for work within the 0-to-50-foot portion of the buffer zone.
10. The project a. ☐ is b. ☐ is not subject to the Massachusetts Stormwater Policy.

If the project is subject to the Stormwater Policy, check one of the following three boxes:

1. ☐ attached is a Stormwater Management Form (and supporting information)
2. ☐ no work contemplated at this time; a Stormwater Management Form (and supporting information) will be provided to the Conservation Commission for review and concurrence prior to the commencement of any work on the site.
3. ☐ Stormwater Management Form is being submitted for a previously issued Order of Resource Area Delineation (delineation only) dated: a. Date

b. Title of Stormwater Management Plan

c. Date

d. Signature of Applicant or Applicant's Representative

E. 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).

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:

1298 1. Municipal Check Number	5/10/07 2. Check date
1297 3. State Check Number	5/10/07 4. Check date
Dean 5. Payor name on check: First Name	Curtin 6. Payor name on check: Last Name

F. Signatures and Certification Requirements

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 certify that any work associated with the proposed project meets all of the eligibility criteria listed in Section D above. If the project does not comply with the Section D eligibility requirements, or if I decide to not do the work allowed by the Simplified Review Approval, I will file a Notice of Intent or Request for Determination of Applicability for any proposed future work as required by the Conservation Commission.

I acknowledge that I am responsible for promptly requesting a Certificate of Compliance following completion of any work allowed pursuant to a Simplified Review or no later than three years from the date of the Order of Resource Area Delineation unless the Order is extended on Wetland Form 7, Extension Permit for Order of Conditions.

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 project 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 — 2. Date: 5/16/07

3. Signature of Property Owner (if different) — 4. Date

5. Signature of Representative (if any): STAMSKI AND MCNARY INC — 6. Date: 5/16/07

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 DEP:
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 DEP Regional Office (see Instructions) by certified mail or hand delivery. (E-filers may submit these electronically.)

Other:
If the applicant has checked the "yes" box in any part of Section C, 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

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:

Dean	Curtin	Conant Brook Properties, LLC
a. First Name	b. Last Name	c. Company

P.O. Box 458
d. Mailing Address

Lexington	MA	02420
e. City/Town	f. State	g. Zip Code

(800) 230-2723
h. Phone Number

2. Property Owner (if different):

a. First Name	b. Last Name	c. Company

d. Mailing Address

e. City/Town	f. State	g. Zip Code

h. Phone Number

3. Project Location:

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):

☐ **Online users:** check box if fee exempt.

Bordering Vegetated Wetland:

1. ☐	single family house project	a. linear feet	x $2.00 =	b. Total fee not to exceed $200
2. ☒	all other projects	2,268 a. linear feet	$2,000 max. x $2.00 =	$2,000.00 b. Total fee not to exceed $2,000

Other Resource Area (e.g., bank, riverfront area, etc.):

3. ☐	single family house project	a. linear feet	x $2.00 =	b. Total fee not to exceed $200
4. ☒	all other projects	774 a. linear feet	--- x $2.00 =	--- b. Total fee not to exceed $2,000

State share of filing fee: $987.50
5. 1/2 of total fee **less** $12.50

City/Town share of filing fee: $1012.50
6. 1/2 of total fee **plus** $12.50

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 DEP Regional Office** (see Instructions): Send one copy of the Abbreviated Notice of Resource Area Delineation (and any additional documentation required as part of a Simplified Review Buffer Zone Project); a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

1298

CONANT BROOK PROPERTIES, LLC
DEAN H. CURTIN, MANAGING PARTNER
P.O. BOX 458
LEXINGTON, MA 02420-0005

DIGITAL FEDERAL CREDIT UNION

53-9182/2113

NUMBER 00001298

PAY: ONE THOUSAND TWELVE AND 50 / 100 Dollars

DATE 05/10/07

AMOUNT *****$1,012.50

TO THE ORDER OF TOWN OF ACTON

CONANT BROOK PROPERTIES, LLC

MP

THIS DOCUMENT CONTAINS HEAT SENSITIVE INK. TOUCH OR PRESS HERE. RED IMAGE DISAPPEARS WITH HEAT.

⑈001298⑈ ⑆211391825⑆ 1327956⑦⑈

1297

CONANT BROOK PROPERTIES, LLC
DEAN H. CURTIN, MANAGING PARTNER
P.O. BOX 458
LEXINGTON, MA 02420-0005

DIGITAL FEDERAL CREDIT UNION

53-9182/2113

NUMBER 00001297

PAY: NINE HUNDRED EIGHTY-SEVEN AND 06 / 100 Dollars

DATE 05/10/07

AMOUNT *******$987.06

TO THE ORDER OF COMMONWEALTH OF MASSACHUSETTS

CONANT BROOK PROPERTIES, LLC

MP

THIS DOCUMENT CONTAINS HEAT SENSITIVE INK. TOUCH OR PRESS HERE. RED IMAGE DISAPPEARS WITH HEAT.

⑈001297⑈ ⑆211391825⑆ 1327956⑦⑈

Certified Abutters List

For

530 Main Street
Acton, MA

Town of Acton
472 Main Street
Acton, MA 01720
Telephone (978) 264-9622
Fax (978) 264-9630

Brian McMullen
Assistant Assessor

Locus: 530 MAIN ST
Parcel ID: E4-25

Location	Parcel ID	Owner	Co-Owner	Mailing Address	City	ST	Zip
554 MAIN ST	E4-9	CONANT BREWSTER		562 MAIN STREET	ACTON	MA	01720
524 MAIN ST	E4-24	SHERBROOKE ASSOCIATES INC	C/O 524 MAIN ST INC	524 MAIN STREET	ACTON	MA	01720
526 MAIN ST	E4-46	THIRD ACTON LLC	C/O SF PROPERTIES INC	637 WASHINGTON STREET #20	BROOKLINE	MA	02446
549 MAIN ST	E4-47	CONANT BREWSTER		562 MAIN STREET	ACTON	MA	01720

The owner of land sharing a common boundry 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.

Kimberly Hoyt
Assessing Clerk
Acton Assessors Office

4-May-07

Affidavit of Services

For

530 Main Street
Acton, MA

AFFIDAVIT OF SERVICES
Under the Massachusetts Wetlands Protection Act
(to be submitted to the Massachusetts Department of
Environmental Protection and the Conservation Commission
when filing a Notice of Intent)

I, Benjamin Ewing, hereby certify under the pains and penalties of perjury that on 5/ 18 /07 I gave notification to abutters in compliance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, and the DEP Guide to Abutter Notification dated April 8, 1994, in connection with the following matter:

An Abbreviated Notice of Resource Area Delineation filed under the Massachusetts Wetlands Protection Act by Conant Brook Properties, LLC with the Acton Conservation Commission for property located at 530 Main Street Map E-4 Parcel 25.

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

Name: Benjamin Ewing Date: 5/ 18 /07

Notification to Abutters

For

530 Main Street
Acton, MA

NOTIFICATION TO ABUTTERS
UNDER THE MASSACHUSETTS WETLANDS PROTECTION ACT
AND THE TOWN OF ACTON WETLANDS BYLAW

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

The Applicant: Conant Brook Properties, LLC.

Address: P.O. Box 458; Lexington, MA 02420

has filed an Abbreviated Notice of Resource Area Delineation with the Acton Conservation Commission seeking confirmation of the delineation of the bordering vegetated wetlands on the property Subject to Protection under the Wetlands Protection Act and the Town of Acton Wetlands Bylaw.

Applicant's Representative: Stamski And McNary, Inc.

Address: 80 Harris Street; Acton, MA 01720 Phone: (978)263-8585

The address of the property where the activity is proposed 530 Main Street

Town Atlas Plate E-4 Parcel 25

Project Description The edge of bordering vegetated wetlands, mean annual high water line of a perennial stream, and bordering land subject to flooding on the property has been delineated in the field by David Crossman of B & C Associates. The applicant is seeking confirmation of these delineated resource areas.

Copies of the Abbreviated Notice of Resource Area Delineation may be examined at the Conservation Office, Acton Town Hall, 472 Main Street, Acton. Between the hours of 9:00 A.M. and 4:30 P.M. 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,
June 6, 2007 at 8:00 P.M.
(date)

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

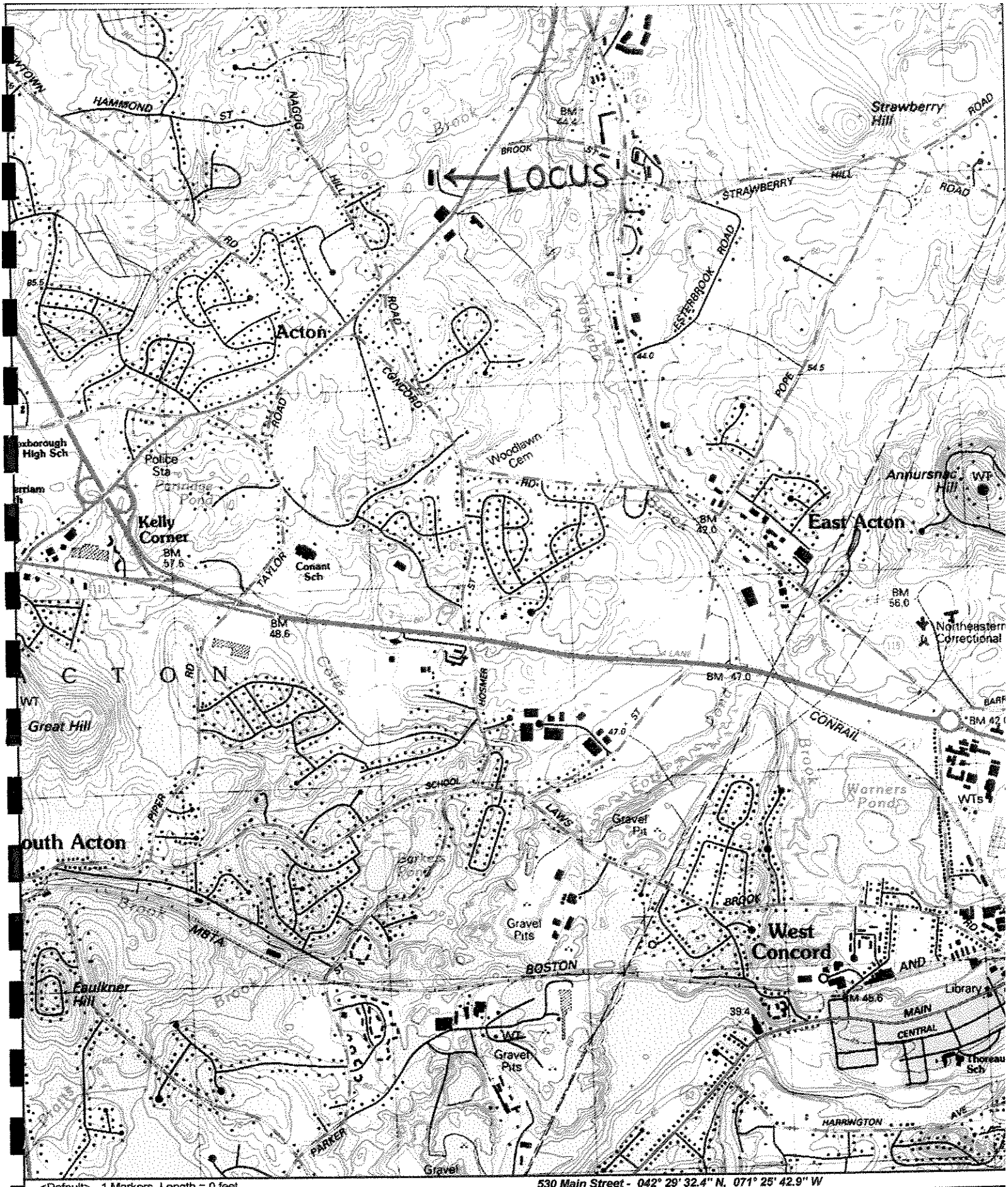
NOTE: You may also contact your local conservation commission or the nearest Department of Environmental Protection Regional Office for the information about this application or, the Wetlands Protection Act. Acton is in the Central Region. To contact DEP, call:

*Central Region: (508)792-7650 Northeast Region: (978)661-7600

Attachment A
U.S.G.S. Map

For

530 Main Street
Acton, MA



<Default> - 1 Markers, Length = 0 feet

530 Main Street - 042° 29' 32.4" N, 071° 25' 42.9" W

Name: MAYNARD
Date: 5/9/107
Scale: 1 inch equals 2000 feet

Location: 042° 28' 24.3" N 071° 25' 27.2" W
Caption: 530 Main Street
Acton, MA 01720
SM-3984

Copyright (C) 1997, Maptech, Inc.

Attachment B
DEP Bordering Vegetated Wetland
Delineation Field Data Form

For

530 Main Street
Acton, MA

[redacted]EP [redacted]der[redacted] Ve[redacted]ted[redacted]etla[redacted](31[redacted]MR[redacted]55)[redacted]ine[redacted]n [redacted] D[redacted]or[redacted]

Applicant: _____ Prepared by: B & C Associates Inc. Project location: 530 Main Street, 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: 1 Transect Number: A Date of Delineation: 9/21/06

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 *	
Herbaceous:	Hayscented Fern	*Dennstaedtia punctilobula*	85.5	81%	Yes	UPL	
	New York Fern	*Thelypteris noveboracensis*	10.5	10%	No	FAC	*
	Swamp Dewberry	*Rubus hispidus*	3.0	3%	No	FACW	*
	Solomon's Seal	*Polygonatum biflorum*	3.0	3%	No	FACU	
	Spinulose Woodfern	*Dryopteris spinulosa*	3.0/105.0	3%	No	FAC+	*
Shrubs:	American Hazelnut	*Corylus americana*	20.5	38%	Yes	FACU-	
	Black Birch	*Betula lenta*	10.5	20%	Yes	FACU	
	Black Cherry	*Prunus serotina*	10.5	20%	Yes	FACU	
	Highbush Blueberry	*Vaccinium corymbosum*	3.0	6%	No	FACW-	*
	Silky Dogwood	*Cornus amomum*	3.0	6%	No	FACW	*
	Old Field Raspberry	*Rubus alumnus*	3.0	6%	No	FACU-	
	Arrowwood	*Viburnum dentatum*	3.0/53.5	6%	No	FAC	*
Saplings:	None						
Lianas:	Woodbine	*Parthenocissus quinquefolia*	10.5	78%	Yes	FACU	
	New England Grape	*Vitis novae-angliae*	3.0/13.5	22%	Yes	NI	
Overstory:	Red Maple	*Acer rubrum*	879.6	77%	Yes	FAC	*
	White Ash	*Fraxinus americana*	173.1	15%	No	FACU	
	Black Birch	*Betula lenta*	63.9	6%	No	FACU	
	Black Oak	*Quercus velutina*	32.9/1149.5	3%	No	UPL	

* 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 conclusion:

Number of dominant wetland indicator plants: 1 Number of dominant non-wetland Indicator plant: 5

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. BC 0609-08 MA DEP; 3/95

Section II. Indicators of Hydrology
Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? YES

title/date: Middlesex County 3/91

map number: 1

soil type mapped: Canton-Charlton-Urban land Complex

hydric soil inclusions:

Are field observations consistent with soil survey? YES

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A	0-7"	10 YR 2/2	
B	7-14"	10 YR 4/3	

Remarks: Refusal @ 14"

3. Other: 22'8" to Wetland Flag # 14
23'10" to Wetland Flag # 15

Conclusion: Is soil hydric? 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

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	☐	■
Wetland hydrology present: hydric soil present	☐	■
other indicators of hydrology present	☐	■
Sample location is in a BVW	☐	■

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

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

Applicant: _____ Prepared by: B & C Associates Inc. Project location: 530 Main Street, 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: 2 Transect Number: A Date of Delineation: 9/21/06

	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 *	
Herbaceous:	Skunk Cabbage	*Symplocarpus foetidus*	38.0	51%	Yes	OBL	*
	Hayscented Fern	*Dennstaedtia punctilobula*	20.5	27%	Yes	UPL	
	New York Fern	*Thelypteris noveboracensis*	10.5	14%	No	FAC	*
	Spinulose Woodfern	*Dryopteris spinulosa*	3.0	4%	No	FAC+	*
	Swamp Dewberry	*Rubus hispidus*	3.0/75.0	4%	No	FACW	*
Shrubs:	American Hazelnut	*Corylus americana*	10.5	18%	Yes	FACU-	
	Black Birch	*Betula lenta*	10.5	18%	Yes	FACU	
	Arrowwood	*Viburnum dentatum*	10.5	18%	Yes	FAC	*
	Witherod	*Viburnum cassinoides*	10.5	18%	Yes	FACW	*
	Highbush Blueberry	*Vaccinium corymbosum*	3.0	5%	No	FACW-	*
	Silky Dogwood	*Cornus amomum*	3.0	5%	No	FACW	*
	Black Cherry	*Prunus serotina*	3.0	5%	No	FACU	
	Old Field Raspberry	*Rubus alumnus*	3.0	5%	No	FACU-	
	European Buckthorn	*Rhamnus frangula*	3.0/57.0	5%	No	FAC	*
Saplings:	None						
Lianas:	Woodbine	*Parthenocissus quinquefolia*	10.5	87%	Yes	FACU	
	New England Grape	*Vitis novae-angliae*	3.0/13.5	13%	No	NI	
Overstory:	Red Maple	*Acer rubrum*	879.6	77%	Yes	FAC	*
	White Ash	*Fraxinus americana*	173.1	15%	No	FACU	
	Black Birch	*Betula lenta*	63.9	6%	No	FACU	
	Black Oak	*Quercus velutina*	32.9/1149.5	3%	No	UPL	

* 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 conclusion:

Number of dominant wetland indicator plants: 4 Number of dominant non-wetland Indicator plant: 4

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? YES

Section II. Indicators of Hydrology
Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? YES

title/date: Middlesex County 3/91

map number: 1

soil type mapped: Ridgebury fine sandy loam

hydric soil inclusions:

Are field observations consistent with soil survey? YES

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A	0-12″	10 YR 2/2	

Remarks: Refusal @ 12″

3. Other: 23′11″ to Wetland Flag # 14
22′4″ to Wetland Flag # 15
6′3″ Downgradient from A1

Conclusion: Is soil hydric? YES

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

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	■	☐
Wetland hydrology present: hydric soil present	■	☐
other indicators of hydrology present	■	☐
Sample location is in a BVW	■	☐

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

[redacted] DEP [redacted]de[redacted] Ve[redacted]ate[redacted]etl[redacted](31[redacted]MI[redacted].55[redacted]lin[redacted]on [redacted]D[redacted]Fo[redacted]

Applicant: _____ Prepared by: B & C Associates Inc. Project location: 530 Main Street, 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: 1 Transect Number: B Date of Delineation: 9/25/06

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 *	
Herbaceous:	Cinnamon Fern	*Osmunda cinnamomea*	20.5	60%	Yes	FACW	*
	New York Fern	*Thelypteris noveboracensis*	10.5	31%	Yes	FAC	*
	Tree Clubmoss	*Lycopodium obscurum*	3.0/34.0	9%	No	FACU	
Shrubs:	Highbush Blueberry	*Vaccinium corymbosum*	20.5	30%	Yes	FACW-	*
	American Hazelnut	*Corylus americana*	10.5	15%	Yes	FACU-	
	White Pine	*Pinus strobus*	10.5	15%	Yes	FACU	
	Winterberry	*Ilex verticillata*	10.5	15%	Yes	FACW+	*
	Swamp White Oak	*Quercus bicolor*	10.5	15%	Yes	FACW+	*
	Black Cherry	*Prunus serotina*	3.0	4%	No	FACU	
	Black Oak	*Quercus velutina*	3.0/68.5	4%	No	UPL	
Saplings:	Shagbark Hickory	*Carya ovata*	10.5/10.5	100%	Yes	FACU-	
Lianas:	Poison Ivy	*Toxicodendron radicans*	3.0	50%	No	FAC	*
	Woodbine	*Parthenocissus quinquefolia*	3.0/6.0	50%	No	FACU	
Overstory:	Red Maple	*Acer rubrum*	882.1	74%	Yes	FAC	*
	White Pine	*Pinus strobus*	142.6	12%	No	FACU	
	White Ash	*Fraxinus americana*	123.1	10%	No	FACU	
	Black Birch	*Betula lenta*	38.5/1186.3	3%	No	FACU	

* 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 conclusion:
Number of dominant wetland indicator plants: 6 Number of dominant non-wetland Indicator plant: 3

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? YES

Section II. Indicators of Hydrology
Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? YES

title/date: Middlesex County 3/91

map number: 1

soil type mapped: Canton-Charlton-Urban land Complex

hydric soil inclusions:

Are field observations consistent with soil survey? YES

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A	0-5"	10 YR 2/2	
B	5-10"	10 YR 4/4	

Remarks: Refusal @ 10"

3. Other: 16'1" to Wetland Flag # 125
27'6" to Wetland Flag # 126

Conclusion: Is soil hydric? 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

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	■	☐
Wetland hydrology present: hydric soil present	☐	■
other indicators of hydrology present	☐	■
Sample location is in a BVW	☐	■

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

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

Applicant: _____ Prepared by: B & C Associates Inc. Project location: 530 Main Street, 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: 2 Transect Number: B Date of Delineation: 9/25/06

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 *	
Herbaceous:	Cinnamon Fern	*Osmunda cinnamomea*	20.5	23%	Yes	FACW	*
	Poison Ivy	*Toxicodendron radicans*	20.5	23%	Yes	FAC	*
	Meadow Spikemoss	*Selaginella apoda*	20.5	23%	Yes	FACW	*
	New York Fern	*Thelypteris noveboracensis*	10.5	12%	No	FAC	*
	Skunk Cabbage	*Symplocarpus foetidus*	10.5	12%	No	OBL	*
	Spinulose Woodfern	*Dryopteris spinulosa*	3.0	3%	No	FAC+	*
	Wild Sarsaparilla	*Aralia nudicaulis*	3.0/88.5	3%	No	FACU	
Shrubs:	Winterberry	*Ilex verticillata*	20.5	30%	Yes	FACW+	*
	Highbush Blueberry	*Vaccinium corymbosum*	20.5	30%	Yes	FACW-	*
	White Pine	*Pinus strobus*	10.5	15%	No	FACU	
	American Hazelnut	*Corylus americana*	10.5	15%	No	FACU-	
	Swamp White Oak	*Quercus bicolor*	3.0	4%	No	FACW+	*
	Black Oak	*Quercus velutina*	3.0/68.0	4%	No	UPL	
Saplings:	Shagbark Hickory	*Carya ovata*	10.5/10.5	100%	Yes	FACU-	
Lianas:	Poison Ivy	*Toxicodendron radicans*	10.5	78%	Yes	FAC	*
	Woodbine	*Parthenocissus quinquefolia*	3.0/13.5	22%	Yes	FACU	
Overstory:	Red Maple	*Acer rubrum*	975.8	80%	Yes	FAC	*
	White Ash	*Fraxinus americana*	209.8	17%	No	FACU	
	Black Birch	*Betula lenta*	38.5/1224.1	3%	No	FACU	

* 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 conclusion:

Number of dominant wetland indicator plants: 7 Number of dominant non-wetland Indicator plant: 2

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? YES

Section II. Indicators of Hydrology
Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? YES

title/date: Middlesex County 3/91

map number: 1

soil type mapped: Whitman loams

hydric soil inclusions:

Are field observations consistent with soil survey? YES

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A	0-10″	10 YR 2/1	

Remarks: Refusal @ 10″

3. Other: 19′7″ to Wetland Flag # 125
25′5″ to Wetland Flag # 126
8′7″ Downgradient from B1

Conclusion: Is soil hydric? YES

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):
Conant Brook

☐ Other:_____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	■	☐
Wetland hydrology present: hydric soil present	■	☐
other indicators of hydrology present	■	☐
Sample location is in a BVW	■	☐

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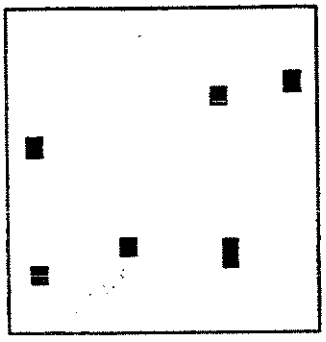
Hydric Soil Indicators

Most hydric soils have a soil horizon with a chroma of 0, 1, or 2 below the A-horizon. These are referred to as low-chroma colors. (Reminder: the Munsell Soil Color Charts are used to determine soil colors.) Generally, when evaluating mineral soils for low- chroma colors or other evidence of saturation, look for indicators directly below the A- horizon and within the top 12 inches of the soil surface. In areas where the O-horizon is less than 8 inches thick, soil depths are measured from the bottom of the O-horizon. When the O-horizon is 8 inches or greater (for histosols and soils .with histic epipedons), such depths are measured from the soil surface. The soil surface is the top of the mineral soil; or, for soils with an O-horizon, the soil surface is measured from the top of the O-horizon. Fresh leaf or needle fall that has not undergone observable decomposition (the litter layer) is excluded from soil and may be separately described.

The following is a list of some hydric soil indicators - any of which can be used to identify the presence of wetland hydrology:

- Histosols (organic soils). Histosols are soils with at least 16 inches of organic - material measured from the soil surface.
- Histic epipedons. These are soils with 8 to 16 inches of organic material measured from the soil surface.
- Sulfidic material. A strong "rotten egg" smell generally is noticed immediately after the soil test hole is dug.
- Gleyed soils. Soils that are predominantly neutral gray, or occasionally greenish or bluish gray in color within 12 inches from the bottom of the O-horizon. (The Munsell Soil Color Charts have special pages for gleyed soils.)
- Soils with a matrix chroma of 0 or 1 and values of 4 or higher within 12 inches from the bottom. of the O-horizon.
- Within 12 inches from the bottom of the O-horizon, soils with a chroma of 2 or less and values of 4 or higher in the matrix, and mottles with a chroma of 3 or higher.
- Within 12 inches from the bottom of the O-horizon, soils with a matrix chroma of 3 and values of 4 or higher, with 10 percent or more low-chroma mottles, as well as indicators of saturation (i.e., mottles, oxidized rhizospheres. concretions. nodules) within 6 inches of the soil surface.

Charts for Estimating Percent Redoximorphic Features



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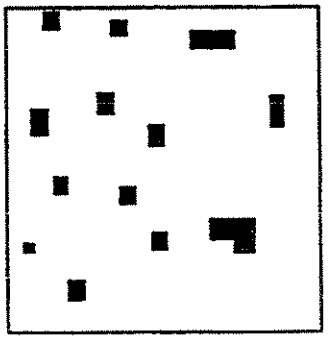

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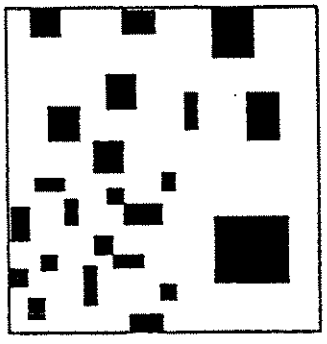

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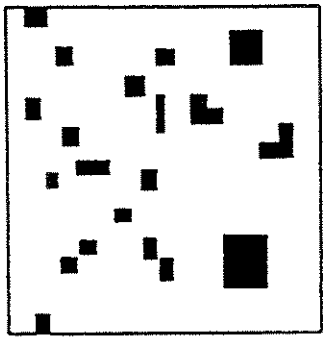

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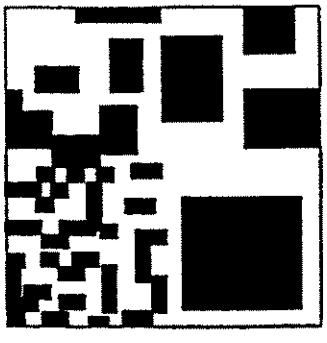

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Attachment C
Resource Area Delineation Plan

For

530 Main Street
Acton, MA