

NOTICE OF INTENT

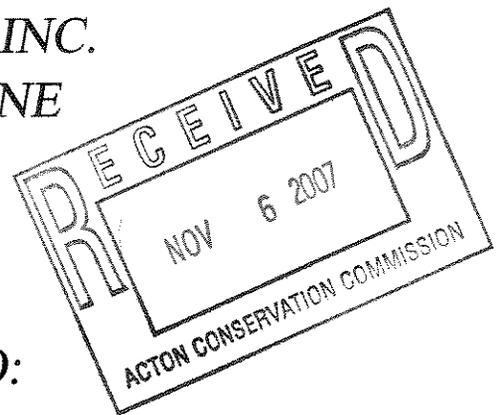
UNDER THE TOWN OF ACTON WETLANDS BYLAW

FOR:

LOTS 2C & 3 SPRING HILL ROAD
MAP E6, PARCEL 6-1
ACTON, MA

PREPARED FOR:

JEANSON HOMES, INC.
12 KENNEDY LANE
ACTON, MA



SUBMITTED TO:

ACTON CONSERVATION COMMISSION

PREPARED BY:



Acton Survey &
Engineering, Inc.

97 GREAT ROAD, UNIT 6
ACTON, MA 01720
(978) 263-3666

Notice of Intent
Lots 2C & 3, Spring Hill Road, Acton



2005 Mass GIS orthophoto with approximate site area shown by red lines

Jeanson Homes, Inc. has proposed the construction of 2 single family homes in Acton Massachusetts. The homes are located in areas of upland on lots to the west of 8 Spring Hill Road.

Access to the homes will be via a shared driveway which requires a wetland crossing. The crossing has been designed to minimize disturbance and crosses the wetland at its narrowest point. It is the only means of access to the upland portion of the site. This portion of the project is a limited project under 310 CMR 10.53(3)(e).

The homes are to be constructed over 75 feet from the wetlands. Barrier walls will be installed at the extent of the rear yards. Their presence will help prevent future infringement on the wetlands. Recharge areas will be constructed for the driveway as well as a 961 SF wetland replication area near the proposed crossing.

The site is not designated as an estimated or priority habitat for rare wildlife on the most recent Natural Heritage and Endangered Species map including the 2007 amendments to Acton.

Enclosed are the Notice of Intent Site Plan, sheets 1 – 3, dated April 19, 2007 detailing the project and the Alternative Common Drive Plan dated August 13, 2007. The Alternative Common Drive Plan shows relocating the crossing will require a 60% increase in the area to be altered as well as additional impervious surface.



WPA Form 3 – Notice of Intent

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 (continued)

7. Project Type Checklist:

- a. Single Family Home
- b. Residential Subdivision
- c. Limited Project Driveway Crossing
- d. Commercial/Industrial
- e. Dock/Pier
- f. Utilities
- g. Coastal Engineering Structure
- h. Agriculture – cranberries, forestry
- i. Transportation
- j. Other

8. Property recorded at the Registry of Deeds for:

<u>Middlesex</u>	<u>522</u>
a. County	b. Page Number
<u>24106</u>	
c. Book	d. Certificate # (if registered land)

9. Has work been performed on the property under an Order of Resource Area Delineation involving Simplified Review within 3 years of the date of this application?

- a. Yes
- b. No

If yes, no Notice of Intent or Request for Determination of Applicability may be filed for work within the 50-foot-wide area in the Buffer Zone along the resource area during the three-year term of an Order of Resource Area Delineation, or any Extended Order, or until the applicant receives a Certificate of Compliance, whichever is later.

10. Buffer Zone Only - Is the project located only in the Buffer Zone of a bordering vegetated wetland, inland bank, or coastal resource area?

- a. Yes - answer 11 below, then skip to Section C.
- b. No - skip to Section B.

11. Buffer Zone Setback – For projects that involve work only in the buffer zone, select the applicable adjacent resource area (check one):

- a. BVW
- b. inland bank
- c. coastal resource area

The distance between the closest project disturbance and the associated resource area is:

d. linear feet



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City/Town _____

B. Resource Area Effects

1. Inland 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.

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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet _____	2. linear feet _____
b. <input checked="" type="checkbox"/> Bordering Vegetated Wetland	928 1. square feet _____	961 2. square feet _____
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet _____ 3. cubic yards dredged _____	2. square feet _____
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet _____ 3. cubic feet of flood storage lost _____	2. square feet _____ 4. cubic feet of flood storage replaced _____
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet _____ 2. cubic feet of flood storage lost _____	3. cubic feet of flood storage replaced _____
f. <input type="checkbox"/> Riverfront area	1. Name of Waterway (if available) _____	

For projects impacted by the riverfront area and a buffer zone of another resource area, add 50% to the total fee.

1. Width of Riverfront Area (check one):

- 25 ft. - Designated Densely Developed Areas only
- 100 ft. - New agricultural projects only
- 200 ft. - All other projects

2. Total area of Riverfront Area on the site of the proposed project: _____

Square Feet

3. 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. _____

4. Has an alternatives analysis been done and is it attached to this NOI? Yes No

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



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

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B. Resource Area Effects

2. Coastal Resource Areas:

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <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
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., or 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	2. Square feet restoration, rehab.
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	

3. Limited Project:

Is any portion of the proposed activity eligible to be treated as a limited project subject to 310 CMR 10.24 or 310 CMR 10.53?

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

Driveway crossing

b. Limited Project



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C. Bordering Vegetated Wetland Delineation Methodology

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

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

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

1. Final Order of Resource Area Delineation issued by Conservation Commission or DEP (attached)
2. DEP BVW Field Data Form (attached)
3. Final Determination of Applicability issued by Conservation Commission or DEP (attached)
4. Other Methods for Determining the BVW Boundary (attach documentation):
 - a. 50% or more wetland indicator plants
 - b. Saturated/inundated conditions exist
 - c. Groundwater indicators
 - d. Direct observation
 - e. Hydric soil indicators
 - f. Credible evidence of conditions prior to disturbance
5. Other resource areas delineated: _____

D. Other Applicable Standards and Requirements

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to <http://www.mass.gov/dfwele/dfw/nhosp/nhregmap.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
 Route 135, North Drive
 Westborough, MA 01581

2006

b. Date of map

If yes, the project is 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 D.1.A, and include requested materials with this Notice of Intent (NOI); OR complete Section D.1.B, 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).*

A. Submit Supplemental Information for Endangered Species Review *

- Percentage/acreage of property to be altered:

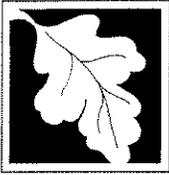
(1) within wetland Resource Area

_____ percentage/acreage

(2) outside Resource Area

_____ percentage/acreage

- Assessor's Map or right-of-way plan of site



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D. Other Applicable Standards and Requirements (cont.)

- 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 **
- Project description (including description of impacts outside of wetland Resource Area & Buffer Zone)
- Photographs representative of the site
- MESA filing fee (fee information available at: <http://www.mass.gov/dfwele/dfw/nhosp/nhenymesa.htm>)
Make check payable to "Natural Heritage & Endangered Species Fund" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

- Vegetation cover type map of site
- Project plans showing Priority & Estimated Habitat boundaries

B. OR Check One of the Following

- 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/nhenvexemptions.htm>)
- Separate MESA review ongoing.

NHESP Tracking Number

Date submitted to NHESP

- Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see www.nhosp.org regulatory review tab). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.

2. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

- a. Yes No

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

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

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
838 South Rodney French Blvd.
New Bedford, MA 02744

North Shore - Hull to New Hampshire:

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

- b. Not applicable – project is in inland resource area only



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

Provided by DEP:

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Document Transaction Number

Acton

City/Town

D. Other Applicable Standards and Requirements (cont.)

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

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

b. ACEC

4. 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

5. Is any activity within any Resource Area or Buffer Zone exempt from performance standards of the wetlands regulations, 310 CMR 10.00.

- a. Yes No If yes, describe which exemption applies to this project:

b. Exemption

6. Is this project subject to the DEP Stormwater Policy? a. Yes No

If yes, stormwater management measures are required. Applicants should complete the Stormwater Management Form and submit it with this form.

b. If no, explain why the project is exempt:

Project is two single family homes

E. Additional Information

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
3. Other material identifying and explaining the determination of resource area boundaries shown on plans (e.g., a DEP BVW Field Data Form).
4. List the titles and dates for all plans and other materials submitted with this NOI.
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.

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



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

Provided by DEP:
DEP File Number
Document Transaction Number
Acton City/Town

E. Additional Information (cont.)

- 8. Attach NOI Wetland Fee Transmittal Form
- 9. Attach Stormwater Management Form, if needed.

F. Fees

The fees for work proposed under each Notice of Intent must be calculated and submitted to the Conservation Commission and the Department (see Instructions and NOI 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 pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

1. Municipal Check Number <u>8978</u>	2. Check date <u>11-2-07</u>
3. State Check Number <u>N/A</u>	4. Check date
5. Payor name on check: First Name <u>Acton Survey & Engineering, Inc.</u>	6. Payor name on check: Last Name

G. 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 in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

<u>[Signature]</u> (REPRESENTATIVE)	Date <u>11/4/07</u>
Signature of Applicant <u>William H. Angell</u> <u>10/29/07</u>	Date <u>10/29/07</u>
Signature of Property Owner (if different) <u>[Signature]</u> <u>10/29/07</u> (APPLICANT)	Date <u>10/29/07</u>
Signature of Representative (if any)	Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents; two copies of pages 1 and 2 of the NOI 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 Notice of Intent (Form 3), including supporting plans and documents; one copy of pages 1 and 2 of the NOI 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.)



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 DEP:

DEP File Number

Document Transaction Number

Acton

City/Town

G. Signatures and Submittal Requirements (cont.)

Other:

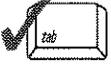
If the applicant has checked the "yes" box in any part of Section D, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

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. Applicant:

Michael	Jeanson	Jeanson Homes, Inc.
a. First Name	b. Last Name	c. Company
12 Kenndy Lane		
d. Mailing Address		
Acton	MA	01720
e. City/Town	f. State	g. Zip Code
978-8081		
h. Phone Number		

2. Property Owner (if different):

William & Deanne	Angell	
a. First Name	b. Last Name	c. Company
643 Pheasant Hill		
d. Mailing Address		
Acton	MA	01718
e. City/Town	f. State	g. Zip Code
978-273-7675		
h. Phone Number		

3. Project Location:

12 Spring Hill Road	Acton
a. Street Address	b. City/Town

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

B. Fees

Notice of Intent (Form 3) or Abbreviated Notice of Intent (Form 4):

The fee should be calculated using the following six-step process and worksheet. **Please see Instructions before filling out worksheet.**

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.



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

B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Construction of a single family home	2	\$500.00	\$1000.00*
Driveway Crossing	1	\$500.00	\$500.00*
20% of total fee for local bylaw			\$300.00
* Used for calculation of Acton Bylaw fee only			

Step 5/Total Project Fee: _____

Step 6/Fee Payments:

Total Project Fee: \$1800.00*
 State share of filing fee: a. Total fee from Step 5
 City/Town share of filling fee: Local Bylaw filing only
 b. 1/2 total fee less \$12.50
 \$300 per Acton Bylaw Rules & Regs 2.4(2)

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.
- c.) **To DEP 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.)

8978

ACTON SURVEY & ENGINEERING, INC.

97 GREAT ROAD, P.O. BOX 666

UNIT 6

ACTON, MA 01720-0666

(978) 263-3666

CITIZENS BANK
MASSACHUSETTS
5-7017-2110

Exactly Three hundred and no / 100 Dollars

PAY
TO THE
ORDER
OF

Town of Acton
472 Main Street
Acton MA 01720

DATE	AMOUNT
11/2/2007	\$300.00



⑈008978⑈ ⑆2⑆⑆070⑆75⑆ ⑆20069⑆897⑈

MP

Security Features Included. Details on back.

081013/6-89

**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: Jeanson Homes, Inc.

Address 12 Kennedy Lane, Acton Phone 978-263-8081

has filed a Notice of Intent with the Acton Conservation Commission seeking permission to remove, fill, dredge or alter an Area Subject to Protection under the Wetlands Protection Act.

Applicant's Representative: Acton Survey & Engineering, Inc.

Address PO Box 666, 97 Great Rd. # 6, Acton Phone 978-263-3666

The address of the property where the activity is proposed West of 8 Spring Hill Road

Town Atlas Plate/Map E-6 Parcel/Lot 6-1

Project Description Construction of two single family homes and shared driveway.

Copies of the Notice of Intent 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,
November 21, 2007 at 7:45 P.M.
(date)

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. To contact DEP, call:

***DEP Central Region: 508-792-7650
627 Main Street, Worcester MA 01608**

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



Brian McMullen
 Assistant Assessor

Locus: 12 Spring Hill Rd
 Parcel: E6-6-1

Location	Parcel ID	Owner	Co-Owner	Mailing Address	City	ST	Zip
7 DUSTON LN	E5-27	HARVEY, JR, JOHN S.R	HARVEY, CYNTHIA C.	7 DUSTON LANE	ACTON	MA	01720
21 SPRING HILL RD BEHIN	E5-45	TOWN OF ACTON		472 MAIN STREET	ACTON	MA	01720
19 SPRING HILL RD	E6-6	ARNSTEIN LAURA J BLANC		19 SPRING HILL RD	CONCORD	MA	01742
3 SPRING HILL RD	E6-6-3	O'SULLIVAN TERENCE M	C/O CROWLEY MARIA O & CROWLEY JAMES	8 SPRING HILL RD	ACTON	MA	01720
11 SPRING HILL RD	E6-6-2	SAWYER WILLIAM C	MITCHELL DARA F	15 SPRING HILL RD	CONCORD	MA	01742
7 SPRING HILL RD	E6-6-4	CALLAHAN ROBERT M	CALLAHAN JILL A GOLDMAN	7 SPRING HILL RD	CONCORD	MA	01742
4 SPRING HILL RD	E6-6-5	APPELMANS JOHN T	APPELMANS KIMBERLEY E	4 SPRING HILL RD	CONCORD	MA	01742
2 SPRING HILL RD	E6-6-9	DARLOW PETER G	ROSCHELLE SANDRA R	2 SPRING HILL ROAD	CONCORD	MA	01742
276 POPE RD	E6-9	COOPER HOWARD	KAROL JANE M	276 POPE ROAD	CONCORD	MA	01742
1 DUSTON LN	E6-9-1	COOPER HOWARD	KAROL JANE M	276 POPE ROAD	CONCORD	MA	01742
3 DUSTON LN	E6-9-2	SISLER WILLIAM P	SISLER ELAINE H	3 DUSTON LANE	ACTON	MA	01720
294 POPE RD	E6-10	SPENCER JAMES A	SUSAN	294 POPE RD	CONCORD	MA	01742

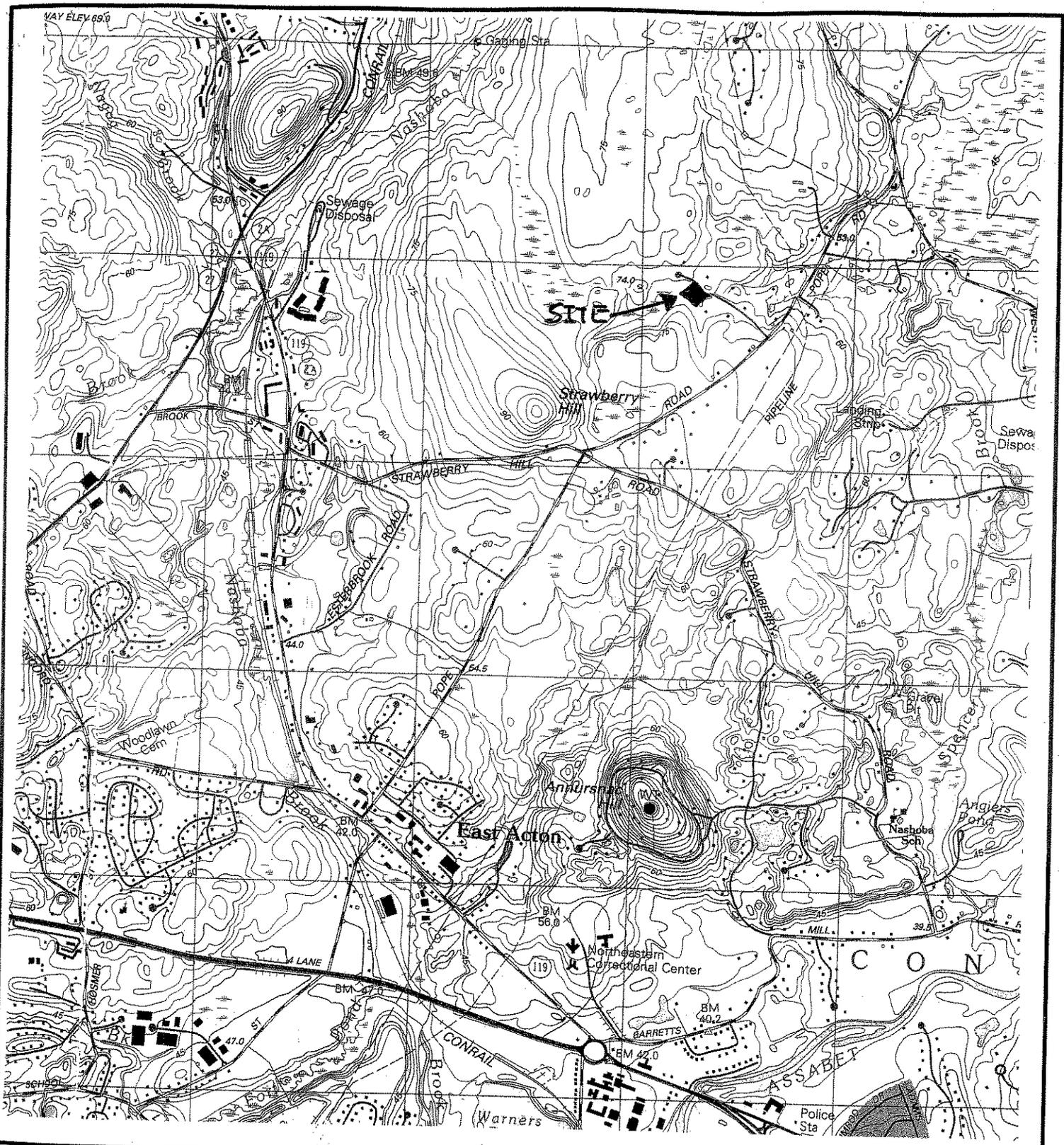
Abutters and owners of land directly opposite on any public or private street or way and abutters to the abutters within three hundred feet of the property line all as they appear on the most recent applicable tax list.

HEARING NOTICES FOR ALL SPECIAL PERMITS MUST BE SENT TO THE PLANNING BOARD, TOWN HALL IN THE FOLLOWING TOWNS:

Boxborough, MA 01729
 Carlisle, MA 01741
 Maynard, MA 01754
 Stow, MA 04475
 Concord, MA 01742
 Westford, MA 01886
 Littleton, MA 01460
 Sudbury, MA 01776

[Handwritten Signature]
 Kimberly Hoyt
 Assessing Clerk
 Acton Assessors Office

11-Nov-07



USGS MAP

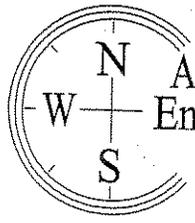
LOTS 2C & 3 SPRING HILL ROAD
 ACTON, MA 01720

PREPARED FOR:
JEANSON HOMES, INC.

SCALE: 1/25000 APRIL 23, 2007

1987 USGS Maynard & Billerica Topographic Quadrangles

 Approximate Site Boundary



Acton Survey &
 Engineering, Inc.

Since 1967

97 GREAT ROAD
 P.O. BOX 666
 ACTON, MA 01720
 PH. (978) 263-3666
 FAX (978) 635-0218



Acton Survey &
Engineering, Inc.

P.O. Box 666 97 Great Rd. Suite 6
Acton, MA 01720-0666
(978) 263-3666 Fax (978) 635-0218
Email: actonsurvey@verizon.net

JOB JEANSON - SPRING HILL - 6562

SHEET NO. 1 OF 2

CALCULATED BY MTO DATE 4/17/17

CHECKED BY _____ DATE _____

SCALE _____

USE TR-55 EQUATION 2-3 TO DETERMINE
RUNOFF VOLUMES & RECHARGE RATES
PROVIDED BY DEP'S TR 00-01

24HR RAINFALL
2YR 3.1" 10YR 4.5" 100YR 6.4"

EXISTING RUNOFF

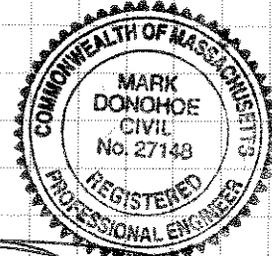
HOUSES 4700 SF (BOTH)

EXISTING CN = 70 WOODS GND PATTON C
RUNOFF DEPTH

2YR 0.8"
10 1.7"
100 3.2"

PROPOSED CN = 99

R D
2 2.9
10 4.3
100 6.3



[Signature]
4/17/17

INCREASE IN RUNOFF DEPTH — RUNOFF VOLUME

2YR	2.1	+ 4700/12 (392)	820 CF
10	2.6		1120
100	3.1		1220

DRIVEWAY

TRIBUTARY TO RECHARGE 5500 SF E

NOT TRIBUTARY TO RECHARGE 5400 SF E

INCREASE IN RUNOFF

2.1	+ 9900/12 (825)	1730 CF
2.6		2131
3.1		2560



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JOB JEANSIN - SPRING HILL-656

SHEET NO. 2 OF 2

CALCULATED BY MTD DATE 4/17/7

CHECKED BY _____ DATE _____

SCALE _____

RECHARGE

SOIL LOAMY SAND
2.4" / HR → 4.0' / DAY

HOUSES 280 SF × 4.0 = 1344 CF

1344 > 1220

NO INCREASE IN RUNOFF DUE TO HOUSES

DRIVEWAY 890 SF × 4.0 = 4270 CF

4270 > 2560

NO INCREASE IN RUNOFF DUE TO DRIVEWAY

NOTE

LOCALIZED INCREASES IN RATE AND VOLUME OF RUNOFF WILL OCCUR AS RUNOFF IS NOT CONTAINED/CHANNELED/COLLECTED BUT AS RECHARGE > INCREASE IN RUNOFF NET RESULT WILL BE NO INCREASE

NEEDS TO GRASS/LANDSCAPE PADS