

# NOTICE OF INTENT

UNDER THE MASSACHUSETTS WETLANDS PROTECTION ACT  
AND TOWN OF ACTON WETLANDS BYLAW

FOR:

895 MAIN STREET  
MAP C-5, PARCEL 30  
ACTON, MA

PREPARED FOR:

CHARLES WEEKS  
895 MAIN STREET  
ACTON, MA

SUBMITTED TO:

ACTON CONSERVATION COMMISSION AND  
THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

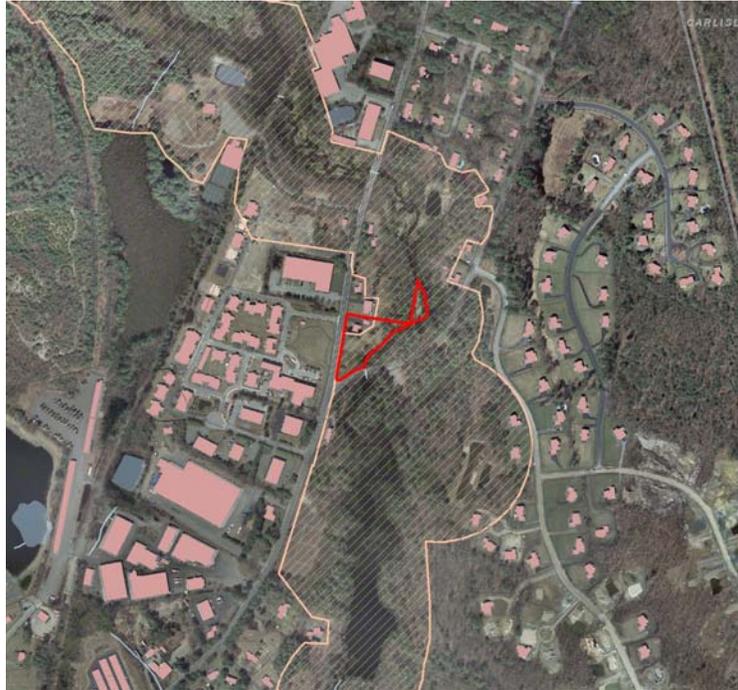
PREPARED BY:



Acton Survey &  
Engineering, Inc.

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

**Notice of Intent  
895 Main Street**



Approximate property lines indicated by red lines. NHESP Priority Habitat of Rare Species indicated by cross hatched area. Image from Town of Acton Geographic Information System with 2007 orthophoto

895 Main Street is an existing single family home located on the easterly side of Main Street, north of the intersection of Carlisle Road. Nashoba Brook crosses the lot to the east of the developed portion. The entire lot, with the exception of a 200 square foot area in the northern corner, is within the 200' Riparian Zone.

The applicant proposes to replace the existing septic system with a new system meeting the requirements of Title 5 (310 CMR 15.00). The proposed subsurface sewage disposal system is to be located in the existing lawn area south of the house. The expansion of the lawn area is not proposed.

A portion of the site is located in an area designated as NHESP Priority Habitat for Rare Species. As the only alterations proposed are for the replacement of the subsurface sewage disposal system, the project is exempt from MESA review under 310 CMR 10.14(6). A copy of this notice of Intent has been provided to NHESP via Certified Mail.

The proposed subsurface sewage disposal system is to replace an existing cesspool. The proposed system is offset a greater distance from resource areas than the existing cesspool and has been designed to have no adverse impacts on the interests of the Act or human health. Wetlands Program Policy 86-1 also provides the presumption that subsurface sewage disposal systems meeting the requirements of Title 5 or more stringent regulations of the local Board of Health protects the interests of the Wetlands Protection Act.

895 Main Street- Acton  
Alternatives Analysis

PROPOSED PROJECT

The project consists of an upgrade to the existing subsurface sewage disposal system. The upgrade has been approved by the Acton Board of Health.

The house is presently served by a cesspool located in the backyard, just outside the limits of the 100 foot riparian zone and 100 foot buffer to the bordering vegetated wetlands along Nashoba Brook.

It is assumed that the cesspool is located within the seasonal high groundwater table and our client has decided to replace the system with one that is in full compliance with Title 5 of the State Environmental Code.

OFFSET TO WETLANDS AND 100 YEAR FLOOD PLAIN

Title 5 requires a 50 foot offset between soil absorption systems and wetlands or water bodies and does not specify an offset to floodplains.

The site is located in a Groundwater Protection Zone 3, as it is in an area of sand and gravels. The nearest downstream public water supply is the Conant Well located south of Great Road, some 8,000 feet to the south. Acton Board of Health Regulations requires soil absorption systems [SAS] in Zone 3 to be offset 100 feet from wetlands and the 100 year flood plain. The Board of Health granted variances to allow the SAS to be located 80 feet from wetlands and 45 feet from the 100 year flood plain.

A 75 foot offset to wetlands and the 100 year flood plain is required in Zone 4.

The design of the SAS provides the 6 foot groundwater offset required by the Acton regulations for Zone 3.

Title 5 and the Acton Board of Health regulations have no requirements pertaining to riverfront areas.

The entire property, with the exception of 200 square feet, is within the riverfront area.

895 Main Street  
Alternatives Analysis

#### ALTERNATIVE LOCATIONS FOR SOIL ABSORPTION SYSTEM

Front of house:

The SAS could be located between the front of the house and Route 27.

Locating the SAS at this location will place it within 100 feet of the 100 year flood plain and place the top of the system approximately 4 feet above the first floor of the house.

The house is located 45 feet from Route 27 and barrier walls would be required parallel to Route 27 on both sides of the system and construction costs would be increased by an estimated \$25,000.

Offset to north:

The SAS could be moved parallel to Route 27, approximately 10 feet, without requiring the SAS to be raised in elevation.

This movement will offset the SAS approximately 6 feet further from the BVW and 100 year flood plain but require the removal of a 30 inch White Pine, which is of special significance to the Weeks family who has lived in the house for half a century.

Comparison of alternatives:

Additional benefits to the environment and public health are not provided by the alternative locations and the presumption provided by 310 CMR 10.03(3) applies to the subsurface sewage disposal system at the proposed location.

The proposed SAS location was chosen for ease of construction and to limit the period and extent of disturbances to minimize the potential for erosion.

#### SUMMARY

The proposed subsurface sewage disposal system will replace a system that does not conform to regulations and is assumed to be adversely impacting one of more of the Interests of the Act and the Acton Wetlands Bylaw.

The proposed SAS is offset a minimum of 6 feet above groundwater and will not have any impacts on the Interest of the Act or Bylaw beyond that caused by any fully compliant SAS constructed elsewhere in the watershed.

Constructing the SAS at the alternative locations might increase risk of erosion during construction.





# WPA Form 3 – Notice of Intent

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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Acton

City/Town

## A. General Information (continued)

6. General Project Description:

Replacement of existing septic system.

7a. Project Type Checklist:

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

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

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

2. Limited Project

8. Property recorded at the Registry of Deeds for:

Middlesex

a. County

32316

c. Book

b. Certificate # (if registered land)

246

d. Page Number

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

- 1.  Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- 2.  Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

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

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

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



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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input checked="" type="checkbox"/> Riverfront Area	Nashoba Brook	
	1. Name of Waterway (if available)	

2. Width of Riverfront Area (check one):

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

3. Total area of Riverfront Area on the site of the proposed project: 66,064 square feet

4. Proposed alteration of the Riverfront Area:

3,463 a. total square feet      983 b. square feet within 100 ft.      2480 c. square feet between 100 ft. and 200 ft.

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

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

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

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



WPA Form 3 - Notice of Intent

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

Provided by MassDEP:
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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Table with columns: Description, Size of Proposed Alteration, Proposed Replacement (if any). Rows include Coastal Banks, Rocky Intertidal Shores, Salt Marshes, Land Under Salt Ponds, Land Containing Shellfish, Fish Runs, Land Subject to Coastal Storm Flowage, Restoration/Enhancement, and Project Involves Stream Crossings.

C. Other Applicable Standards and Requirements

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in Estimated Habitat of Rare Wildlife as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)?

a. [X] 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

13th edition
b. Date of map



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

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

### 1. c. Submit Supplemental Information for Endangered Species Review\*

1.  Percentage/acreage of property to be altered:
  - (a) within wetland Resource Area \_\_\_\_\_ percentage/acreage
  - (b) outside Resource Area \_\_\_\_\_ percentage/acreage
2.  Assessor's Map or right-of-way plan of site
3.  Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work \*\*\*
  - (a)  Project description (including description of impacts outside of wetland resource area & buffer zone)
  - (b)  Photographs representative of the site
  - (c)  MESA filing fee (fee information available at: [http://www.mass.gov/dfwele/dfw/nhosp/regulatory\\_review/ mesa/ mesa\\_fee\\_schedule.htm](http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_fee_schedule.htm)).  
Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address  
*Projects altering 10 or more acres of land, also submit:*
  - (d)  Vegetation cover type map of site
  - (e)  Project plans showing Priority & Estimated Habitat boundaries

### d. OR Check One of the Following

1.  Project is exempt from MESA review.  
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, [http://www.mass.gov/dfwele/dfw/nhosp/regulatory\\_review/ mesa/ mesa\\_exemptions.htm](http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_exemptions.htm); the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)
2.  Separate MESA review ongoing. \_\_\_\_\_ a. NHESP Tracking # \_\_\_\_\_ b. Date submitted to NHESP

\* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <http://www.mass.gov/dfwele/dfw/nhosp/nhosp.htm>, regulatory review tab). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

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



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

- 3.  Separate MESA review completed.  
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.
- 2. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

a.  Not applicable – project is in inland resource area only

b.  Yes  No If yes, include proof of mailing or hand delivery of NOI to either:

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

North Shore - Hull to New Hampshire:

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

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

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.

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

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

b. ACEC

- 4. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?

a.  Yes  No

- 5. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?

a.  Yes  No

- 6. Is this project subject to provisions of the MassDEP Stormwater Management Standards?

a.  Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:

- 1.  Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
- 2.  A portion of the site constitutes redevelopment
- 3.  Proprietary BMPs are included in the Stormwater Management System.

b.  No. Check why the project is exempt:

- 1.  Single-family house

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



# WPA Form 3 – Notice of Intent

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

Provided by MassDEP:
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## C. Other Applicable Standards and Requirements (cont'd)

- 2.  Emergency road repair
- 3.  Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

## D. Additional Information

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

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

- 1.  USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
- 2.  Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
- 3.  Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
- 4.  List the titles and dates for all plans and other materials submitted with this NOI.

Proposed Subsurface Sewage Disposal System repair, 895 main Street

a. Plan Title

Acton Survey & Engineering, Inc

b. Prepared By

3/28/11

d. Final Revision Date

Mark T. Donohoe, PE

c. Signed and Stamped by

1"=20'

e. Scale

f. Additional Plan or Document Title

g. Date

- 5.  If there is more than one property owner, please attach a list of these property owners not listed on this form.
- 6.  Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
- 7.  Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
- 8.  Attach NOI Wetland Fee Transmittal Form
- 9.  Attach Stormwater Report, if needed.



**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands  
**WPA Form 3 – Notice of Intent**  
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number  
 Acton

City/Town

**E. Fees**

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

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

2. Municipal Check Number	128	3. Check date	3-30-11
4. State Check Number	127	5. Check date	3-30-11
6. Payor name on check: First Name	Charles & Sara	7. Payor name on check: Last Name	Weekes

**F. Signatures and Submittal Requirements**

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

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

1. Signature of Applicant	<i>Charles H. Weekes</i>	2. Date	3-30-11
3. Signature of Property Owner (if different)	<i>[Signature]</i>	4. Date	4/4/11
5. Signature of Representative (if any)		6. Date	

**For Conservation Commission:**

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

**For MassDEP:**

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a copy of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

**Other:**

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

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



**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:

Charles & Sara \_\_\_\_\_ Weeks \_\_\_\_\_  
 a. First Name b. Last Name

\_\_\_\_\_  
 c. Organization

895 Main St \_\_\_\_\_  
 d. Mailing Address

Acton \_\_\_\_\_ MA \_\_\_\_\_ 01720 \_\_\_\_\_  
 e. City/Town f. State g. Zip Code

978-263-0443 \_\_\_\_\_  
 h. Phone Number i. Fax Number j. Email Address

2. Property Owner (if different):

\_\_\_\_\_  
 a. First Name b. Last Name

\_\_\_\_\_  
 c. Organization

\_\_\_\_\_  
 d. Mailing Address

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

\_\_\_\_\_  
 h. Phone Number i. Fax Number j. Email Address

3. Project Location:

\_\_\_\_\_  
 a. Street Address b. City/Town

**B. Fees**

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.

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



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

**B. Fees** (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Work on single family home (1a)	1	\$110.00	\$110.00
Local bylaw fee	1	\$22.00	\$22.00
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**Step 5/Total Project Fee:** \_\_\_\_\_

**Step 6/Fee Payments:**

Total Project Fee:	<u>\$132.00</u>
	a. Total Fee from Step 5
State share of filing Fee:	<u>\$42.50</u>
	b. 1/2 Total Fee <b>less</b> \$12.50
City/Town share of filing Fee:	<u>\$89.50</u>
	c. 1/2 Total Fee <b>plus</b> \$12.50

**C. Submittal Requirements**

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

Department of Environmental Protection  
 Box 4062  
 Boston, MA 02211

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

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

**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: Charles & Sara Weeks

Address 895 Main Street, Acton Phone 978-263-0443

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 97 Great Road, Suite 6, Acton, MA Phone 978-263-3666

The address of the property where the activity is proposed 895 Main Street

Town Atlas Plate/Map C-5 Parcel/Lot 30

Project Description Replacement of septic system

For more information please contact the Conservation Office at 978-929-6634 or email [NR@acton-ma.gov](mailto:NR@acton-ma.gov). 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.

A Public Hearing will be held at the Acton Town Hall, 472 Main Street, on Wednesday,  
April 20, 2011 at 7:15 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) 929-6621  
 Fax (978) 264-9630

Brian McMullen  
 Assistant Assessor

Locus: 895 Main Street  
 Parcel ID: C5-30

Location	Parcel ID	Owner	Co-Owner	Mailing Address	City	ST	Zip
898 MAIN ST	C5-20-1	GOSELS WERNER F TRUSTEE	BENNETT TRUST	BOX 122	WAYLAND	MA	01778
901 MAIN ST	C5-21	HILDRETH DONALD R		901 MAIN ST	ACTON	MA	01720
897 MAIN ST	C5-22	NOCIVELLI JOHN J		897 MAIN STREET	ACTON	MA	01720
6 CARLISLE RD	C5-31	ANTONELLI VIRGINIA A	C/O COBLE CARLA	8 DOGWOOD DR	TOWNSEND	MA	01469
10 CARLISLE RD	C5-32	TOWN OF ACTON		472 MAIN STREET	ACTON	MA	01720
12 CARLISLE RD	C5-33	KENNEDY JOHN T	C/O JOHN KENNEDY MARITAL TRUST	90 ACTON RD	CHELMSFORD	MA	01824
877 MAIN ST	C5-43	WHITAKER JACK		875 MAIN ST	ACTON	MA	01720
9-17 CARLISLE RD	C5-115	PULTE HOMES OF NEW ENGLAND LLC		115 FLANDERS ROAD SUITE 200	WESTBORO	MA	01581
10 DEVON DR	C5-2032	ACTON SENIOR LIVING LLC	C/O AEW CAPITAL MANAGEMENT LP	WORLD TRADE CENTER EAST 2 SEAPORT LANE	BOSTON	MA	02210
21 HARTLAND WY	C5-6-166	RRV LLC		21 HARTLAND WY	ACTON	MA	01720
23 HARTLAND WY	C5-6-167	RAND JAMES C TRUSTEE	RAND ADRA L TRUSTEE	J RAND + A RAND 2008 TRUS 23 HARTLAND WY	ACTON	MA	01720
31 HARTLAND WY	C5-39-268	NEVOLA JANICE		31 HARTLAND WY	ACTON	MA	01720
33 HARTLAND WY	C5-39-269	FRIEDMAN JACQUELINE		33 HARTLAND WY	ACTON	MA	01720
41 HARTLAND WY	C5-39-270	DEYOE JANICE A	DEYOE DOUGLAS W	41 HARTLAND WY	ACTON	MA	01720
43 HARTLAND WY	C5-39-271	BKBRM LLC		43 HARTLAND WY	ACTON	MA	01720
45 HARTLAND WY	C5-39-272	HIGGINS PATRICIA W		45 HARTLAND WY	ACTON	MA	01720
47 HARTLAND WY	C5-39-273	JONES ROBERT	JONES PATRICIA	47 HARTLAND WY	ACTON	MA	01720
39 HARTLAND WY	C5-39-274	MARCHAND RICHARD TRUSTEE	MARCHAND ANNE TRUSTEE	MARCHAND FAMILY TRUST 39 HARTLAND WAY	ACTON	MA	01720
37 HARTLAND WY	C5-39-275	KORNFELD GEORGE R	KORNFELD HULEN S	37 HARTLAND WY	ACTON	MA	01720
35 HARTLAND WY	C5-39-276	NAJJAR JOSEPH N	NAJJAR MARY L	35 HARTLAND WY	ACTON	MA	01720
16 PRESTON WY	C5-656	ANTONELLI VIRGINIA A		16 PRESTON WY	ACTON	MA	01720
14 PRESTON WY	C5-657	SIMMONS WARREN A	SIMMONS BEVERLY M	14 PRESTON WY	ACTON	MA	01720
12 PRESTON WY	C5-658	RRV LLC	C/O WINSBY ROGER M	12 PRESTON WY	ACTON	MA	01720
10 PRESTON WY	C5-659	RRV LLC	WALCZEWSKI SHARYN	10 PRESTON WY	ACTON	MA	01720
8 PRESTON WY	C5-660	VUOLO ANTHONY R	VUOLO JANICE M	8 PRESTON WY	ACTON	MA	01720
6 PRESTON WY	C5-661	FLOOD H W	FLOOD JEANNE B	6 PRESTON WY	ACTON	MA	01720
1 DEVON DR	C5-2001	BAUER W NEIL	BAUER RICKY ANN	1 DEVON DR	ACTON	MA	01720
3 DEVON DR	C5-2002	GOODWIN MARY D		3 DEVON DR	ACTON	MA	01720
5 DEVON DR	C5-2003	GORE GENEVIEVE		5 DEVON DR	ACTON	MA	01720
7 DEVON DR	C5-2004	FLYNN MARGARET A	TRUSTEES OF MARGARET A. FLYNN	CHILDREN'S GIFT TRUST	ACTON	MA	01720
9 DEVON DR	C5-2005	HILL BRIAN H	HILL STEPHANIE L	9 DEVON DR	ACTON	MA	01720

11 DEVON DR	C5-2006	KILEY REGINA M		11 DEVON DR	ACTON	MA	01720
15 DEVON DR	C5-2007	15 DEVON DRIVE LLC		149 HEALD RD	CARLISLE	MA	01741
17 DEVON DR	C5-2008	HENRY R AMISTADI TRUSTEE	KNIGHT LYNN A TRUSTEE	AMISTADI REALTY TRUST	ACTON	MA	01720
19 DEVON DR	C5-2009	REDDY ARUNDATHI B		19 DEVON DR	ACTON	MA	01720
21 DEVON DR	C5-2010	KING SANDRA		21 DEVON DR	ACTON	MA	01720
26 HARTLAND WY	C5-2011	STUTMAN IRIS L TRUSTEE	STUTMAN-1 NOMINEE TRUST	26 HARTLAND WY	ACTON	MA	01720
24 HARTLAND WY	C5-2012	SMITH JANE W		24 HARTLAND WY	ACTON	MA	01720
22 HARTLAND WY	C5-2013	JACK ROBERT W	JACK BETTY T	22 HARTLAND WY	ACTON	MA	01720
20 HARTLAND WY	C5-2014	KLEIN ALISON B		130 W 19TH ST	PH2B	NEW YORK	NY
18 HARTLAND WY	C5-2015	COOK JAMES M + EUNICE E TRUSTE	JAMES M COOK DECLARATION OF TR	EUNICE M COOK DECLARATION	18 HARTLAND WY	ACTON	MA
16 HARTLAND WY	C5-2016	ROTHRAUFF MARGARET M		16 HARTLAND WY	ACTON	MA	01720
14 HARTLAND WY	C5-2017	MCLELLAN LAURA	MCLELLAN RONALD T	PO BOX 227	BREWSTER	MA	02631
12 HARTLAND WY	C5-2018	FINNEGAN DEBORAH L	FINNEGAN ROBERT J	12 HARTLAND WY	ACTON	MA	01720
10 HARTLAND WY	C5-2019	FIFIELD BARBARA P TRUSTEE	FIFIELD IRREVOCABLE TRUST	10 HARTLAND WY	ACTON	MA	01720
4 TINSDALE DR	C5-2020	RIEP FRITS W + RIEP GAIL L	LEO E LEMERE JR INVESTMENT TRU	4 TINSDALE DR	ACTON	MA	01720
6 TINSDALE DR	C5-2021	FOLLEN HENRY A JR	FOLLEN KARIN M	6 TINSDALE DR	ACTON	MA	01720
1 TINSDALE DR	C5-2022	PORTYRATA GERALD W	PORTYRATA MARILYN R	1 TINSDALE DR	ACTON	MA	01720
3 TINSDALE DR	C5-2023	CARLSON DORIS G		3 TINSDALE DR	ACTON	MA	01720
5 TINSDALE DR	C5-2024	HUBCHEN MARY ANNE		5 TINSDALE DR	ACTON	MA	01720
7 TINSDALE DR	C5-2025	SWEENEY BEVERLY G TRUSTEE	7 TINSDALE DRIVE REALTY TRUST	7 TINSDALE DR	ACTON	MA	01720
36 HARTLAND WY	C5-2026	ANWAR MUHAMMAD DR	ANWAR ASMAT J	36 HARTLAND WY	ACTON	MA	01720
34 HARTLAND WY	C5-2027	RIDLEY ANNE H	C/O DAVID RIDLEY	55 BANNOCK ST	DENVER	CO	80223
32 HARTLAND WY	C5-2028	HOFFMAN SUMNER M	HOFFMAN DOLORES W	32 HARTLAND WY	ACTON	MA	01720
30 HARTLAND WY	C5-2029	TAYLOR MARY E		30 HARTLAND WY	ACTON	MA	01720
22 DEVON DR	C5-2030	LARSON DENNIS S	LARSON LINDA M	22 DEVON DR	ACTON	MA	01720
24 DEVON DR	C5-2031	FRIES JOHN E JR TRUSTEE	FRIES ANNE K TRUSTEE	FRIES NOMINEE TRUST	24 DEVON DR	ACTON	MA
10 DEVON DR	C5-2032	ACTON SENIOR LIVING LLC	C/O AEW CAPITAL MANAGEMENT LP	WORLD TRADE CENTER EAST	2 SEAPORT LANE	BOSTON	MA
27 HARTLAND WY #101	C5-2033-1	SCHECTER MELISSE C		27 HARTLAND WY #101	ACTON	MA	01720
27 HARTLAND WY #102	C5-2033-2	TRAMPOSCH ELIZABETH L		27 HARTLAND WY #102	ACTON	MA	01720
27 HARTLAND WY #103	C5-2033-3	ALSPAUGH MARLOWE A		27 HARTLAND WY #103	ACTON	MA	01720
27 HARTLAND WY #104	C5-2033-4	BENEDICT SALLY P		27 HARTLAND WY #104	ACTON	MA	01720
27 HARTLAND WY #106	C5-2033-5	FREYA FANNING & COMPANY LLC		400 ESSEX ST	DEVERLY FARMS	MA	01915
27 HARTLAND WY #107	C5-2033-6	DWORSACK IRENE C	C/O JAMES DWORSACK	23 SANDY POND #4	AYER	MA	01432
27 HARTLAND WY #108	C5-2033-7	PERKIN CYRIL TRUSTEE	PERKIN REALTY TRUST	27 HARTLAND WY #108	ACTON	MA	01720
27 HARTLAND WY #109	C5-2033-8	DADARRIA MICHAEL E	DADARRIA RUBY	19 CRAIGTIDE WY	CENTERVILLE	MA	02632
27 HARTLAND WY #201	C5-2033-9	TANG NINA S	BONNEAU SUZANN J	27 HARTLAND WY #201	ACTON	MA	01720
27 HARTLAND WY #202	C5-2033-10	MUNSON LAWRENCE S		27 HARTLAND WY #202	ACTON	MA	01720
27 HARTLAND WY #203	C5-2033-11	ZINS JEAN MARIE + BARRON MELVI	TRUSTEES, JEAN MARIE ZINS FAM	27 HARTLAND WY #203	ACTON	MA	01720
27 HARTLAND WY #204	C5-2033-12	FREYA FANNING & COMPANY LLC		400 ESSEX ST	BEVERLY FARMS	MA	01915
27 HARTLAND WY #205	C5-2033-13	HOUSTON ANNE S	HOUSTON KENNETH M	27 HARTLAND WY #205	ACTON	MA	01720
27 HARTLAND WY #206	C5-2033-14	FREYA FANNING & COMPANY LLC		400 ESSEX ST	BEVERLY FARMS	MA	01915
27 HARTLAND WY #207	C5-2033-15	FREYA FANNING & COMANY LLC		400 ESSEX ST	BEVERLY FARMS	MA	01915
27 HARTLAND WY #208	C5-2033-16	MCLAUGHLIN MARY M		27 HARTLAND WY #208	ACTON	MA	01720
27 HARTLAND WY #209	C5-2033-17	HENNEBERRY CLAIRE L		27 HARTLAND WY #209	ACTON	MA	01720
27 HARTLAND WY #210	C5-2033-18	KAPLAN ARNOLD		13235 PALMERS CREEK TERRA	LAKEWOOD RANCI	FL	34202
27 HARTLAND WY #301	C5-2033-19	POWERS JUDITH ANNE		27 HARTLAND WY #301	ACTON	MA	01720
27 HARTLAND WY #304	C5-2033-20	PAOLINO ALLISON M		44 STONEYMEADE WY	ACTON	MA	01720

27 HARTLAND WY #305	C5-2033-21	BURKE MARY	
27 HARTLAND WY #306	C5-2033-22	FREYA FANNING & COMPANY LLC	
27 HARTLAND WY #309	C5-2033-23	YATES JOHN W	YATES ROSE
27 HARTLAND WY #310	C5-2033-24	FREYA FANNING & COMPANY LLC	

27 HARTLAND WY #305  
400 ESSEX ST  
1 MADISON LN  
400 ESSEX ST

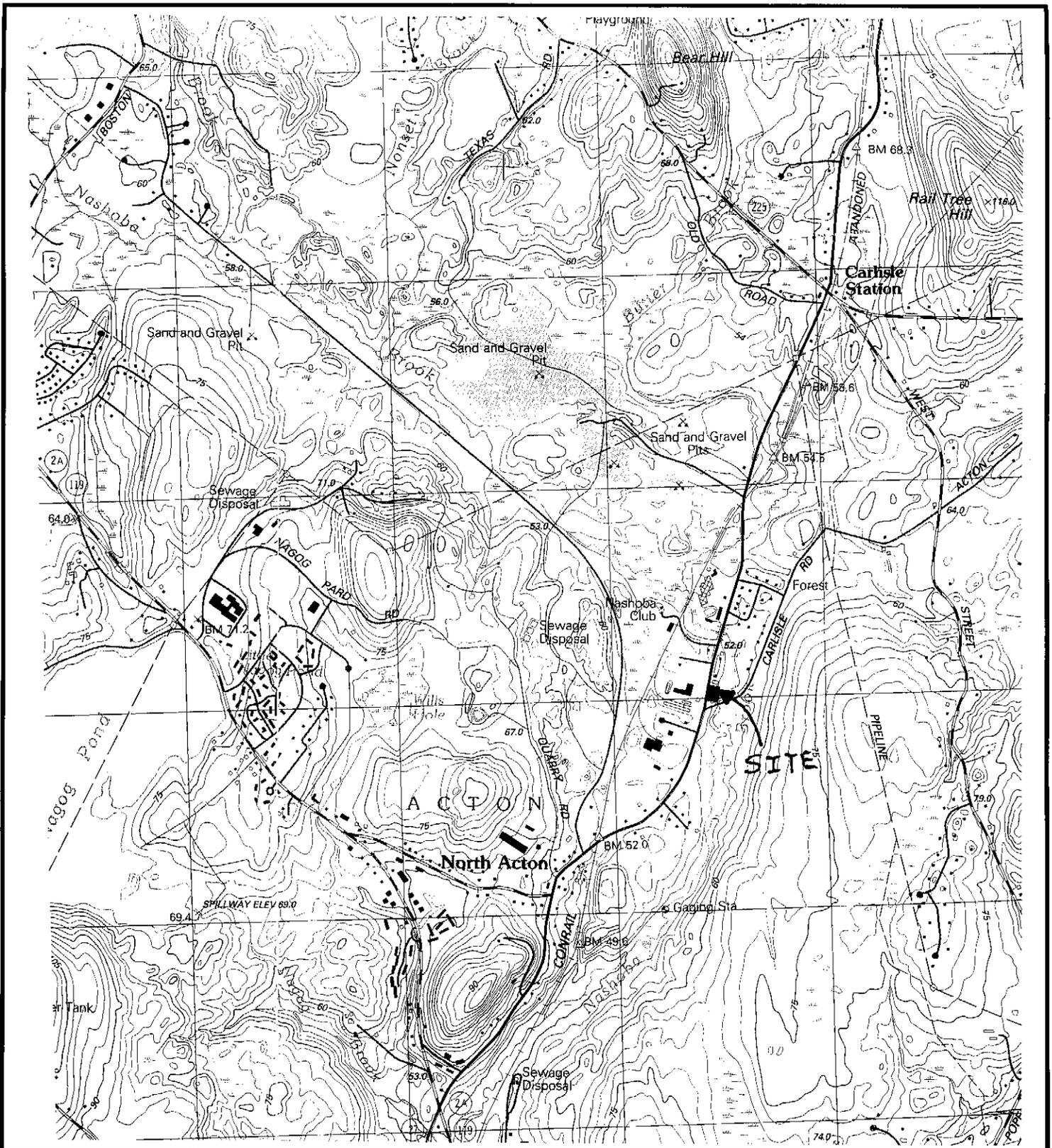
ACTON	MA	01720
BEVERLY FARMS	MA	01915
ACTON	MA	01720
BEVERLY FARMS	MA	01915

The owner of land 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.



Daryl Powell  
Property Lister  
Acton Assessors Office

1/31/2011



# USGS MAP

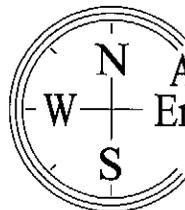
895 MAIN STREET  
ACTON, MA 01720

PREPARED FOR:  
**CHARLES WEEKS**

SCALE: 1:25000 APRIL 1, 2011

1987 BILLERICA QUADRANGLE

 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

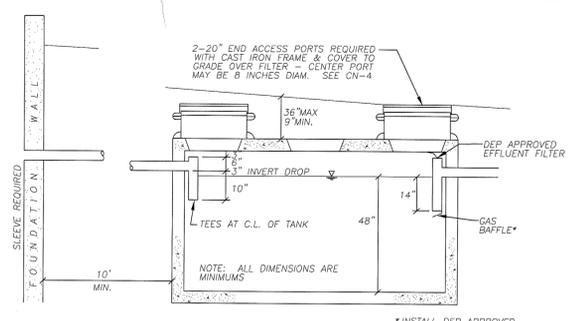
**GENERAL NOTES:**

1. PLAN WAS PREPARED FOR NAMED CLIENT TO SHOW THE DESIGN OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM IN ACCORDANCE WITH TITLE 5 AND ANY MORE RESTRICTIVE REGULATIONS OF THE BOARD OF HEALTH.
2. DESIGN IS BASED UPON A TOPOGRAPHIC PLAN SHOWING THE VISUALLY APPARENT FEATURES OF THE SITE IN THE ENVIRONS OF THE SYSTEM AND THE SUBSURFACE EXPLORATIONS LISTED ON THIS PLAN.
3. PROPERTY LINES ARE BASED ON THE PLAN REFERENCED AND SHALL BE CONFIRMED AS BEING MOST RECENT PRIOR TO CONSTRUCTION.
4. PRIOR TO CONSTRUCTION, CONTRACTOR/OWNER SHALL REVIEW CURRENT ZONING, WETLANDS, AND ALL OTHER REGULATIONS THAT MAY AFFECT THIS PLAN.
5. THE BUILDINGS, DRIVEWAY, AND SEPTIC TANK CONFIGURATION MAY BE ALTERED WITH THE APPROVAL OF THE ENGINEER AND THE BOARD OF HEALTH. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PLAN DEFICIENCIES PRIOR TO INITIATION OF CONSTRUCTION AND ALL DEFICIENCIES FOUND DURING CONSTRUCTION SHALL BE REPORTED ON THE DAY DISCOVERED.
6. ALL KNOWN DRINKING WATER WELLS WITHIN 200 FEET OF THE SEWAGE DISPOSAL SYSTEM, AND ALL KNOWN SEWAGE DISPOSAL SYSTEMS WITHIN 200 FEET OF THE WELL, ARE SHOWN OR INDICATED.
7. THE SEWAGE DISPOSAL SYSTEM SHALL BE OFFSET A MINIMUM OF 10 FEET FROM ANY DRAIN OR PROPERTY LINE, 50 FEET FROM ANY SURFACE WATERS OR WETLANDS, 100 FEET FROM DRINKING WATER WELLS, OR AS OTHERWISE REQUIRED BY STATE AND LOCAL REGULATIONS.
8. ANY ALTERATIONS WITHIN 100' OF WETLANDS REQUIRE A PLAN WITH THE CONSERVATION COMMISSION.

**CONSTRUCTION NOTES:**

1. CONTRACTOR SHALL CALL DIG SAFE (1-888-322-4844) PRIOR TO CONSTRUCTION.
2. MATERIALS AND WORKMANSHIP SHALL CONFORM TO THESE PLANS, TITLE 5, BOARD OF HEALTH REGULATIONS, AND ALL OTHER APPLICABLE REGULATIONS UNLESS SPECIFIED OTHERWISE IN WRITING.
3. STRUCTURES, PIPES, STONE AND FILL SHALL BE INSTALLED ON SUITABLE BEARING MATERIALS, FREE OF ORGANIC MATTER.
4. ALL STRUCTURES SHALL BE OF AN APPROVED DESIGN, SET LEVEL ON 6 INCHES OF CRUSHED STONE, AND BE MADE WATERTIGHT. SEPTIC TANK TEES SHALL BE OF LENGTH REQUIRED BY TITLE 5 (THOSE SHOWN ARE FOR FOUR FOOT LIQUID DEPTH). WATERTIGHT RISERS ARE REQUIRED ON ALL TANK ACCESS PORTS WHEN COVER EXCEEDS 9".
5. ALL GRAVITY PIPING SHALL BE 4" AND LAID TRUE TO LINE AND GRADE WITH SECURE WATERTIGHT JOINTS AND BE BEDDED AND BACKFILLED AS REQUIRED BY MANUFACTURER.
  - A. THE BUILDING SEWER SHALL BE SCHEDULE 40 PVC, CAST OR DUCTILE IRON, OR AN APPROVED EQUAL.
  - B. SOLID AND PERFORATED PIPES UNDER PAVEMENT SHALL BE SCHEDULE 40 PVC, OR THE APPROVED EQUIVALENT.
  - C. DISTRIBUTION LINES SHALL BE SCHEDULE 40 PVC/ABS, SDR 35 PVC, OR HDPE-ASTM D 3034.
6. GRAVITY LINES SHALL HAVE THE FOLLOWING MINIMUM SLOPES:
  - A. BUILDING TO SEPTIC TANK 0.02 FT/FT.
  - B. SEPTIC TANK TO DISTRIBUTION BOX 0.01 FT/FT.
  - C. DISTRIBUTION BOX TO LINES 0.005 FT/FT.
7. DISTRIBUTION BOX OUTLETS SHALL BE LEVEL FOR THE FIRST TWO FEET AND AN INLET TEE CUT OFF ONE INCH ABOVE OUTLETS SHALL BE INSTALLED IF INLET PIPE EXCEEDS 0.08 FT/FT OR IF PIPE IS A FORCE MAIN.
8. D-BOX SHALL BE EXTENDED BETWEEN 6 AND 9 INCHES OF FINAL GRADE WITH A PRECAST CONCRETE RISER FURNISHED BY D-BOX MANUFACTURER. PUDDLE 9" WIDE MORTAR RING 3 INCHES ABOVE AND BELOW JOINT.
9. ALL LARGE BOLDERS, ROOTS AND OTHER UNSUITABLE MATERIALS ENCOUNTERED IN EXCAVATIONS SHALL BE REMOVED.
10. ALL SURFACES SHALL BE SCARIFIED PRIOR TO THE PLACEMENT OF FILL OR STONE, TO ENHANCE INFILTRATIVE CAPABILITIES.
11. WHEN GRAVEL FILL IS REQUIRED, ALL ORGANIC MATERIALS SHALL BE REMOVED AND FILL CONFORMING TO REQUIREMENTS OF 310CMR 15.255 SHALL BE PLACED IN A MANNER TO INSURE SUPPORT AND PERCOLATION. THE FILL SHALL BE COMPRISED OF CLEAN GRANULAR SAND, BE FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES, AND SHALL NOT CONTAIN REMEDIATION WASTE AS THAT TERM IS DEFINED IN 310 CMR 40.0000. MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOIL SHALL NOT BE USED. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN TWO INCHES. A SIEVE ANALYSIS, USING A #4 SIEVE, SHALL BE PERFORMED ON A REPRESENTATIVE SAMPLE OF THE FILL UP TO 45% BY WEIGHT OF THE FILL SAMPLE MAY BE RETAINED ON THE #4 SIEVE. SIEVE ANALYSIS ALSO SHALL BE PERFORMED ON THE FRACTION OF THE FILL SAMPLE PASSING THE #4 SIEVE. SUCH ANALYSIS MUST DEMONSTRATE THAT THE MATERIAL MEETS EACH OF THE FOLLOWING SPECIFICATIONS:
 

SIEVE SIZE	EFFECTIVE PARTICLE SIZE	% THAT MUST PASS SIEVE
#4	4.75 MM	100%
#10	0.30 MM	100%-100%
#100	0.15 MM	0%-5%
#200	0.075 MM	0%-5%
12. DOUBLE WASHED STONE SHALL BE DURABLE AND FREE FROM IRON, FINES AND DUST.
13. ALL BACKFILL SHALL BE CLEAN EARTHEN MATERIALS FREE OF LARGE STONES AND FROZEN MATERIALS. BACKFILL SHALL BE PLACED TO SUPPORT THE SYSTEM, INSURE PROPER RUNOFF AND BE STABILIZED TO PREVENT EROSION.
14. COVER OVER STRUCTURES AND LEACHING WORKS SHALL BE A MINIMUM OF 9 INCHES AND A MAXIMUM OF 36 INCHES.
15. ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE, OR APPROVED EQUAL.
16. SEPTIC TANK EFFLUENT TEE SHALL HAVE A DEP EFFLUENT FILTER WITH HANDLE EXTENDING TO WITHIN 3" OF C.I. FRAME AND COVER EXTENDED TO GRADE OVER OUTLET.
17. THE EXISTING CESSPOOL SHALL BE ABANDONED ACCORDING TO 310 CMR 15.354.
18. SEPTIC SYSTEM COMPONENTS TO BE STAKED BY PROFESSIONAL LAND SURVEYOR PRIOR TO CONSTRUCTION.



1500 GALLON SEPTIC TANK

