

NOTICE OF INTENT

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

FOR:

117 ARLINGTON STREET
MAP E2 PARCEL 233
ACTON, MA

PREPARED FOR:

MARK SAGANICH
117 ARLINGTON STREET
ACTON, MA

SUBMITTED TO:

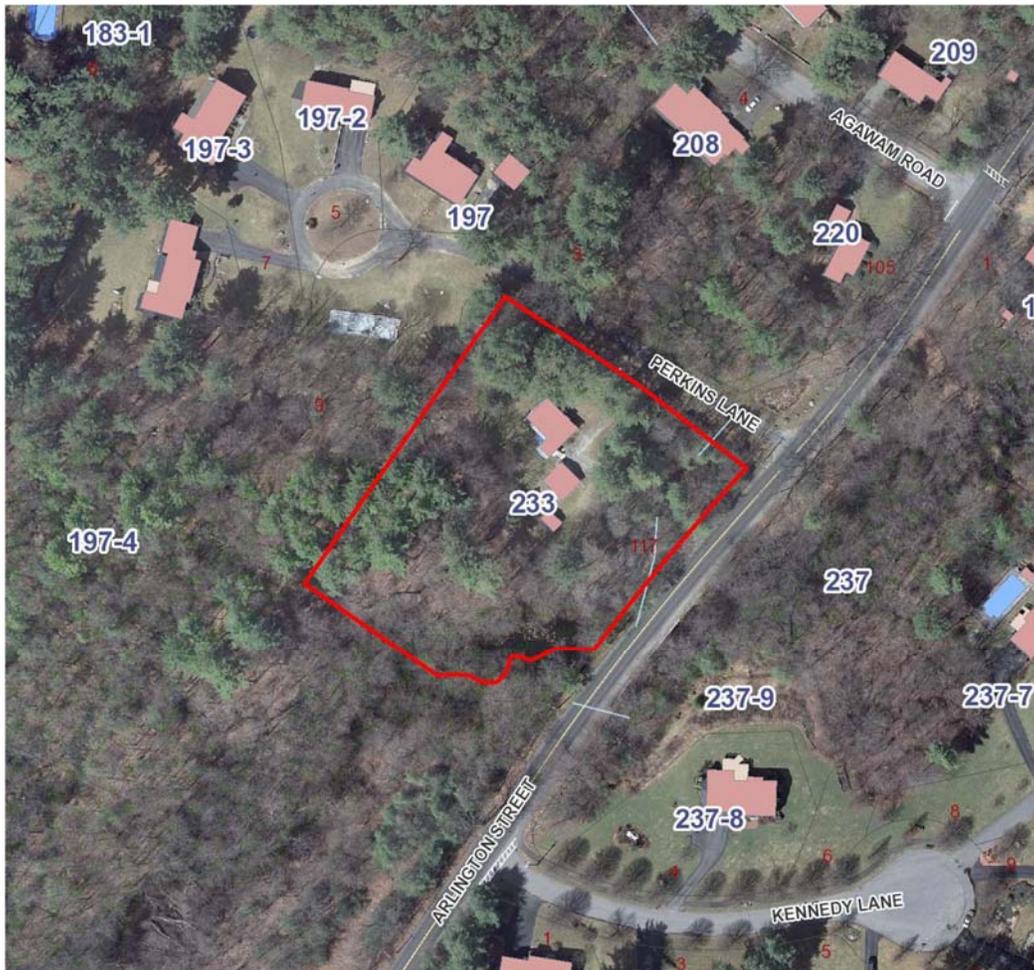
TOWN OF ACTON CONSERVATION COMMISSION
AND THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

PREPARED BY:



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

Notice of Intent



SUPPORTING STATEMENTS

117 Arlington Street

SITE DESCRIPTION

The property is located on the north side of Arlington Street at the westerly corner of Perkins Lane and consists of a 1.88 Acre lot created in 1971. A one story single family home with a detached two car garage is located on the Perkins Lane side of the property. The dwelling is served by an unpaved driveway off Arlington Street.

Grassy Pond Brook, a perennial stream, forms a portion of the southern property line and the broad deciduous wetland associated with it extends over a large portion eastern side of the property. Slopes can be described as flat with large areas being less than 5 percent.

The basement of the house extends below the “wet season” water table and the 100 year flood elevation. Present plans include the elevating of the basement floor to decrease groundwater intrusion.

The area around the house consists of sparse lawn and landscaped areas with mature white pines.

The USGS has mapped the surficial geology and their mapping indicates that the site is at the junction of a kame terrace and esker. Subsurface explorations for the design of the septic system did not encounter materials representative of these formations. Instead, up to four feet of clean earthen materials were encountered over materials that were more representative of the valley train found along Grassy Pond, Fort Pond and Guggins Brook downstream and to the west.

PROPOSED ALTERATIONS

The existing septic system is at or below the seasonally high groundwater table and will be replaced with a system conforming to Title 5 and the more restrictive regulations of the Acton Board of Health. This will require relocation of all system components to the Perkins Lane [north]side of the house, outside the 75 foot wetland buffer zone, and the elevation of the soil absorption area to six feet above the estimated high groundwater table as required by the Acton regulations.

The house is in need of renovation, including raising the existing basement slab, to above groundwater and the flood plain elevation, and as part of that process additions to the south and north side of the house are proposed.

The addition on the south side will serve to connect the house to the free standing garage and a small portion of the addition will extend 9 feet into the 75 foot no structure zone. The existing garage is entirely within the 75 foot no build zone and the northeast corner is 38.3 feet from the BVW. All additions to the house will be offset a greater distance from the wetlands than the closest point of the existing structure. Soil probes and observations of hydric soils were used to confirm the delineation of the Bordering Vegetated Wetland.

RIVERFRONT AREA

The gradient of Grassy Pond Brook is flat in this area with a gradient of 0.00008 being calculated from data contained on the Acton Sewer Study Maps. The wetland areas adjacent to the brook are also flat.

As a result a minor rise in the brook's water level caused by downstream restrictions in flow will extend horizontally several feet.

Based on visual observations we chose a distance of 15 feet from Grassy Pond Brook to be the limit of the yearly mean high water for the determination of the 100 and 200 foot riverfront areas.

No alterations are proposed within the 100 foot riverfront area and the majority of the addition on the south side of the house is contained in the 200 foot riverfront area. The total area of the

addition in the 200' riverfront zone is 612 square feet, which is well below the 5,000 square feet of impervious area allowed by 310 CMR 10.58(4)(d)1.

Alterations including the abandonment of the existing subsurface sewage disposal system and landscape improvements [except expansion of the lawn] are allowed by 310 CMR 10.58(6).

The extending of the annual mean high water by several more feet will not alter the amount of alterations allowed except for the possibility that the ten percent of the riverfront area allowed to be altered may exceed 5,000 square feet.

ALTERNATIVES ANALYSIS

Numerous variations of house additions are possible including some that would not require alterations within the 200 foot riverfront area.

The proposed alteration is desired by our client due to its affordability and allows for both a desirable house layout and will allow occupancy by the family during reconstruction. The proposed configuration of additions allows for the rehabilitation of the existing house.

STORMWATER MANAGEMENT

Roof runoff is presently discharge to the ground surface and to decrease scouring of the ground surface. To provide for storage and recharge of roof runoff drip line recharge trenches are proposed along eave lines.

Projects consisting of four or fewer homes are exempt from the Massachusetts Stormwater Guidelines.

PROTECTION OF THE INTERESTS OF THE ACT AND BYLAW

Water Supply There are no public or private water supplies in the vicinity of the proposed alterations and the abandonment of the existing septic system will eliminate a potential source of pollution.

Groundwater Supply The addition of drip line recharge trenches will provide for a small increase in recharge capabilities, especially for low intensity storm events. At this site owing to the flat ground slopes little runoff occurs.

Flood Control The 100 year flood plain has been determined to be at elevation 204 and the elevation of the proposed alterations are above elevation 206 and should have no impact on flooding at the site or downstream.

Prevention of Pollution The renovation of the septic system and possible removal of the basement sump pump will remove possible sources of pollution.

Land Containing Shellfish The need for this protection does not apply to this site or its environs.

Protection of Fisheries The proposed alterations are sufficiently offset from the BVW and Grassy Pond Brook to insure that alterations will not impact the ability of the wetlands to provide foodstuffs or shade necessary to protect fisheries.

Wildlife Habitat All alterations, except for portions of the soil absorption area, are to occur within existing lawn areas and in close proximity to the existing structure and should not affect wildlife habituating the wetlands or using the Grassy Brook corridor for travel.



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

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



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

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

<u>117 Arlington Street</u> a. Street Address	<u>Acton</u> b. City/Town	<u>01750</u> c. Zip Code
Latitude and Longitude:		
<u>E2</u> f. Assessors Map/Plat Number	<u>42d29'06"N</u> d. Latitude	<u>71d27'54"W</u> e. Longitude
	<u>233</u> g. Parcel /Lot Number	

2. Applicant:

<u>Mark</u> a. First Name	<u>Sganaich</u> b. Last Name	
<u></u> c. Organization		
<u>117 Arlington Street</u> d. Street Address		
<u>Acton</u> e. City/Town	<u>MA</u> f. State	<u>01720</u> g. Zip Code
<u>978-621-9457</u> h. Phone Number	<u></u> i. Fax Number	<u></u> j. Email Address

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

<u></u> a. First Name	<u></u> b. Last Name	
<u></u> c. Organization		
<u></u> d. Street Address		
<u></u> e. City/Town	<u></u> f. State	<u></u> g. Zip Code
<u></u> h. Phone Number	<u></u> i. Fax Number	<u></u> j. Email address

4. Representative (if any):

<u>Mark</u> a. First Name	<u>Donohoe</u> b. Last Name	
<u>Acton Survey & Engineering, a Division of Hancock Associates</u> c. Company		
<u>97 Great Road, Suite 6</u> d. Street Address		
<u>Acton</u> e. City/Town	<u>MA</u> f. State	<u>01720</u> g. Zip Code
<u>978-263-3666</u> h. Phone Number	<u>978-635-0218</u> i. Fax Number	<u>mtonohoe@actonsurvey.com</u> j. Email address

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

<u>198.00</u> a. Total Fee Paid	<u>70</u> b. State Fee Paid	<u>128.00</u> c. City/Town Fee Paid
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A. General Information (continued)

6. General Project Description:

Construction of a subsurface sewage disposal system for the existing dwelling and an addition to the existing dwelling

7a. Project Type Checklist:

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Limited Project Driveway Crossing | 4. <input type="checkbox"/> Commercial/Industrial |
| 5. <input type="checkbox"/> Dock/Pier | 6. <input type="checkbox"/> Utilities |
| 7. <input type="checkbox"/> Coastal Engineering Structure | 8. <input type="checkbox"/> Agriculture (e.g., cranberries, forestry) |
| 9. <input type="checkbox"/> Transportation | 10. <input type="checkbox"/> 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 (south)

a. County

64219

c. Book

b. Certificate # (if registered land)

529

d. Page Number

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

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

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

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. [] Bordering Land Subject to Flooding
e. [] Isolated Land Subject to Flooding
f. [x] Riverfront Area
2. Width of Riverfront Area (check one):
[] 25 ft. - Designated Densely Developed Areas only
[] 100 ft. - New agricultural projects only
[x] 200 ft. - All other projects
3. Total area of Riverfront Area on the site of the proposed project: 58826 square feet
4. Proposed alteration of the Riverfront Area:
612 a. total square feet, 0 b. square feet within 100 ft., 612 c. square feet between 100 ft. and 200 ft.
5. Has an alternatives analysis been done and is it attached to this NOI? [x] Yes [] No
6. Was the lot where the activity is proposed created prior to August 1, 1996? [x] 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. [] Designated Port Areas Indicate size under Land Under the Ocean, below
b. [] Land Under the Ocean
1. square feet
2. cubic yards dredged
c. [] Barrier Beach Indicate size under Coastal Beaches and/or Coastal Dunes below
d. [] Coastal Beaches
1. square feet
2. cubic yards beach nourishment
e. [] Coastal Dunes
1. square feet
2. cubic yards dune nourishment



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

	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	1. square feet	
h. <input type="checkbox"/> Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	1. square feet	
	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	1. square feet	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	a. square feet of BVW	b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
	a. number of new stream crossings	b. number of replacement 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)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

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

**Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581-3336**

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/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html>). 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/eea/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14>; 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/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/>). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

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



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

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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.



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Provided by MassDEP:	
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City/Town	

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.

Notice of Intent Plan, 117 Arlington Street

a. Plan Title

Acton Survey & Engineering

b. Prepared By

10/8/14

d. Final Revision Date

Mark Donohoe, PE

c. Signed and Stamped by

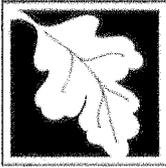
1"=20'

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

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 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:

20	11/4/14
2. Municipal Check Number	3. Check date
21	11/4/14
4. State Check Number	5. Check date
Mark	Saganich
6. Payor name on check: First Name	7. Payor name on check: Last Name

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.

	11/4/14
1. Signature of Applicant	2. Date
SAVE	
3. Signature of Property Owner (if different)	4. Date
	11/24/14
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. Location of Project:

<u>117 Arlington Street</u>	<u>Acton</u>
a. Street Address	b. City/Town
<u>21</u>	<u>\$70.00</u>
c. Check number	d. Fee amount

2. Applicant Mailing Address:

<u>Mark</u>	<u>Saganich</u>	
a. First Name	b. Last Name	
<u></u>		
c. Organization		
<u>117 Arlington Street</u>		
d. Mailing Address		
<u>Acton</u>	<u>MA</u>	<u>01720</u>
e. City/Town	f. State	g. Zip Code
<u>978-621-9457</u>	<u></u>	
h. Phone Number	i. Fax Number	j. Email Address

3. Property Owner (if different):

<u></u>	<u></u>	
a. First Name	b. Last Name	
<u></u>		
c. Organization		
<u></u>		
d. Mailing Address		
<u></u>	<u></u>	<u></u>
e. City/Town	f. State	g. Zip Code
<u></u>	<u></u>	<u></u>
h. Phone Number	i. Fax Number	j. Email Address

B. Fees

Fee should be calculated using the following process & worksheet. **Please see Instructions before filling out worksheet.**

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

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

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

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

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

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

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



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

B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Work on Single Family home	1A	\$110.00	\$110.00
Riverfront Zone		\$55.00	\$55.00
Local Bylaw fee		\$33.00	\$33.00

Step 5/Total Project Fee: _____

Step 6/Fee Payments:

Total Project Fee:	<u>\$198.00</u>
	a. Total Fee from Step 5
State share of filing Fee:	<u>\$70.00</u>
	b. 1/2 Total Fee less \$12.50
City/Town share of filing Fee:	<u>\$95 + \$33 Bylaw Fee</u>
	c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

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

Department of Environmental Protection
 Box 4062
 Boston, MA 02211

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

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



Town of Acton
472 Main Street
Acton, MA 001720
Telephone (978) 929-6621
Fax (978) 929-6340

Brian McMullen
Assistant Assessor

Locus: 117 Arlington Street
Parcel ID: E2 - 233

Location	Parcel ID	Owner	Co-Owner	Mailing Address	City	ST	ZIP
E2-197	3 PERKINS LN	GNALL ELLEN H DELEMOS	FORTE DAVID P	3 PERKINS LN	ACTON,	MA	01720
E2-197-3	7 PERKINS LN	PARNELL MATTHEW J	PARNELL PATRICIA G	7 PERKINS LN	ACTON,	MA	01720
E2-197-4	9 PERKINS LN	TABNER JAMES V		9 PERKINS LN	ACTON,	MA	01720
E2-237	110 ARLINGTON ST	FECHER RICHARD J	YEN DEBORAH J	6 KENNEDY LN	ACTON,	MA	01720
E2-237-9	118-124 ARLINGTON ST	ZHANG WEIDONG	WU LEI	4 KENNEDY LANE	ACTON,	MA	01720
E2-246	133 ARLINGTON ST	DYER THOMAS J	DYER CATHLEEN K	133 ARLINGTON ST	ACTON,	MA	01720

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.


David Derosier, MAA
18-Sep-14

Action Assessors Office

**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: Mark Saganich

Address 117 Arlington Street, Acton Phone 978-263-3666 (representative)

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, An Office of Hancock Associates

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

The address of the property where the activity is proposed _____

117 Arlington Street

Town Atlas Plate/Map E-2 Parcel/Lot 233

Project Description Grading associated with the construction of septic system components located within the buffer zone and addition to existing house

For more information please contact the Conservation Office at 978-929-6634 or email 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,
December 17, 2014 at 7:30 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**



USGS MAP

117 ARLINGTON STREET
 ACTON, MA 01720

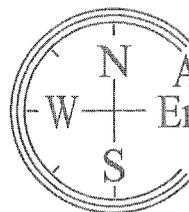
PREPARED FOR:

MARK SAGANICH

SCALE: 1:25000

NOVEMBER 24, 2014

1988 MAYNARD QUADRANGLE



Acton Survey &
 Engineering

Since 1967

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

EROSION AND SEDIMENTATION CONTROL

GENERAL

A RAPID, WELL ORDERED CONSTRUCTION PROGRAM THAT LIMITS THE TIME AND EXTENT OF DISTURBANCES SHALL BE THE PRIMARY EROSION CONTROL PROCEDURE USED AT THIS SITE.

THE SITE IS FLAT, AND BY LIMITING THE CONCENTRATION OF RUNOFF, THE POTENTIAL FOR EROSION WILL BE DECREASED.

BOTH ARLINGTON STREET AND PERKINS LANE SHED RUNOFF TO WETLAND RESOURCE AREAS AND ANY MATERIALS DEPOSITED ON OR FLOWING TO THE STREET PAVEMENTS COULD BE TRANSPORTED TO RESOURCE AREAS.

ACCESS

VEHICLES INVOLVED IN THE HOUSE CONSTRUCTION SHOULD ENTER FROM ARLINGTON STREET, AND VEHICLES CARRYING MATERIALS USED FOR THE CONSTRUCTION OF THE SOIL ABSORPTION SYSTEM SHALL ENTER FROM PERKINS LANE. THE EXISTING DRIVEWAY SHALL BE USED FOR THE ENTRANCE FROM ARLINGTON STREET.

PRIOR TO ANY CONSTRUCTION ACTIVITIES, TRACKING PADS OR TEMPORARY CONSTRUCTION ENTRANCES MUST BE PLACED AT THE ENTRANCES TO REMOVE MATERIALS FROM TIRES AND CONTROL VEHICLE SPEEDS. THE TRACKING PADS SHALL BE PROPERLY MAINTAINED.

ANY MATERIALS REACHING THE STREETS SHALL BE REMOVED UPON OBSERVATION.

EROSION BARRIERS

EROSION BARRIERS CONSISTING OF STAKED STRAW WATTLES [SILT SOCKS] SHALL BE INSTALLED AS SHOWN ON THE PLAN. THE FLAT TOPOGRAPHY AND LIMITED DRAINAGE AREAS AT THIS SITE POSE A LOW POTENTIAL FOR EROSION, AND THE BARRIERS ARE TO SERVE AS A LIMIT OF WORK. IN AREAS WHERE TRAFFIC COULD BE HIGH THEY SHOULD BE SUPPLEMENTED BY CONSTRUCTION FENCES.

IN AREAS WHERE RUNOFF COULD CONCENTRATE, SUCH AS THE SOUTH END OF THE SOIL ABSORPTION SYSTEM, WOODCHIPS SHOULD BE USED TO SUPPLEMENT THE STRAW WATTLES.

STRAW WATTLES ARE ONLY EFFECTIVE IF THEY ARE IN FULL CONTACT WITH THE GROUND AND ARE MAINTAINED OR REPLACED AS REQUIRED TO ENSURE EFFECTIVENESS.

SUFFICIENT WOOD CHIPS SHALL BE KEPT ONSITE TO SUPPLEMENT OR FORM ADDITIONAL BARRIERS. WOODCHIPS CAN ALSO BE USED TO FILL PUDDLES IN ORDER TO DECREASE THE TRACKING OF MATERIALS ONTO ROADS.

SOIL ABSORPTION SYSTEM CONSTRUCTION

THE AREA OF THE SOIL ABSORPTION SYSTEM [SAS] SHALL BE CLEARED AND GRUBBED, WITH WASTE MATERIALS BEING PROMPTLY TRANSPORTED OFFSITE FOR PROPER DISPOSAL.

TOPSOIL SHALL BE PRESERVED FOR STABILIZING THE FINISHED SAS AND STORED AT THE LOCATION SHOWN.

OTHER EARTHEN MATERIALS FROM THE SAS OVER-DIG SHALL BE IMMEDIATELY PLACED TO SERVE AS BREAKOUT FILL AND BE FORMED TO LIMIT RUNOFF FROM THE DISTURBED AREA.

TITLE 5 SAND SHALL BE PLACED ON THE SITE FROM PERKINS LANE. THE CHAMBERS SHALL BE INSTALLED AND BACKFILLED TO ALLOW THE SURFACE OF THE SAS PLATEAU TO BE STABILIZED AND TOPSOILED AND SEEDED.

GRADING SHALL ALLOW FOR THE FLOW OF RUNOFF FROM THE PROPERTY TO THE WEST, AND FOR RUNOFF FROM PERKINS LANE TO FLOW AROUND AND NOT OVER THE SAS. THE FLOW PATHS SHALL HAVE STONE SWALES.

IT IS EXPECTED THAT A PORTION OF THE BREAKOUT FILL WILL BE DERIVED FROM FOUNDATION EXCAVATIONS, AND THE CONSTRUCTION OF THE SAS SHALL BE PLANNED TO ALLOW THESE MATERIALS TO BE INCORPORATED WITHOUT THE NEED TO STOCKPILE.

ABANDONMENT OF EXISTING SEPTIC SYSTEM

THE EXISTING SEPTIC TANK AND PIT SHALL BE PUMPED, CRUSHED IN PLACE, AND BACKFILLED.

FOUNDATIONS

EXCAVATIONS SHALL BE MADE WHEN MATERIALS CAN BE PLACED FOR BREAKOUT FILL.

EQUIPMENT FOR EXCAVATING THE FOUNDATION AT THE REAR OF THE HOUSE SHALL NOT TRAVEL AROUND THE GARAGE. THEY SHALL PASS BETWEEN THE HOUSE AND THE SAS. IF DEWATERING IS REQUIRED FOR THE PLACEMENT OF FOOTINGS, A SHALLOW BASIN SHALL BE EXCAVATED TO THE WEST OF THE HOUSE TO ALLOW SETTLING OF MATERIALS. IF AN OVERFLOW IS NECESSARY IT SHALL BE COMPRISED OF A CRUSHED STONE SWALE, TERMINATING 10 FEET FROM THE EROSION BARRIER.

FOUNDATIONS SHALL BE IMMEDIATELY BACKFILLED AND THE AREA GRADED TO ALLOW FINAL LANDSCAPING TO OCCUR AS SOON AS HOUSE CONSTRUCTION IS COMPLETED. WOODCHIPS MAY BE PLACED ON THE GROUND SURFACE DURING THE INTERIM PERIOD.

HOUSE CONSTRUCTION

MATERIALS AND EQUIPMENT FOR THE REAR ADDITION SHALL BE TRANSPORTED AROUND THE WEST END OF THE HOUSE. MINIMAL STOCKPILING OF MATERIALS BETWEEN THE HOUSE AND WETLANDS SHALL OCCUR.

RUNOFF FROM ROOFS CAN RESULT IN CONCENTRATED RUNOFF AND EROSION, SO SAFEGUARDS SHALL BE PLACED TO DECREASE GROUND IMPACTS AND PROVIDE SPREADING.

THE SITE SHALL BE KEPT NEAT AND ORDERLY, AND CONTAINERS CAPABLE OF CONTAINING ALL REFUSE SHALL BE KEPT ONSITE AND PROPERLY MAINTAINED.

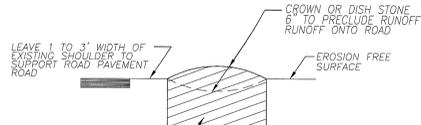
STABILIZATION

STABILIZATION OF SURFACES SHALL BE AN ONGOING PROCESS AND NOT BE DELAYED UNTIL FINAL LANDSCAPING.

TOPSOIL HAS A HIGH EROSION POTENTIAL AND SHALL ONLY BE PLACED WHEN GRASS GROWTH CAN OCCUR IN A TWO WEEK PERIOD, GENERALLY 4/15 TO 6/15 AND 8/15 TO 9/30.

SPECIAL EMPHASIS SHALL BE GIVEN TO STABILIZING THE AREA TO THE REAR OF THE HOUSE.

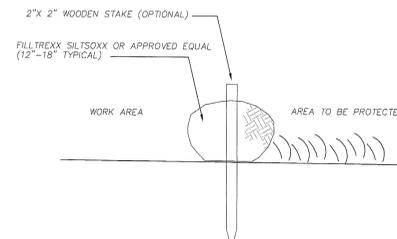
THE SITE WILL NOT BE CONSIDERED AS BEING COMPLETE UNTIL ALL BARRIERS ARE REMOVED, ALL SURFACES ARE EROSION-RESISTANT, THE TEMPORARY CONSTRUCTION ENTRANCES ARE REMOVED, AND THE AREA WITHIN THE PERKINS LANE RIGHT-OF-WAY IS RESTORED TO ITS ORIGINAL CONDITION.



- NOTES:**
1. STONE SHALL BE 1-3" IN SIZE AND INSTALLED TO REMOVE AND ENTRAP MATERIALS FROM TIRES AND NOT BE TRANSPORTED TO ROAD.
 2. STONE SHALL EXTEND ACROSS FULL WIDTH OF ENTRANCE AND BE OF SUFFICIENT LENGTH TO PRECLUDE MUD FROM REACHING ROAD.
 3. STONE SHALL BE REPLACED AS REQUIRED TO INSURE MUD REMOVAL.

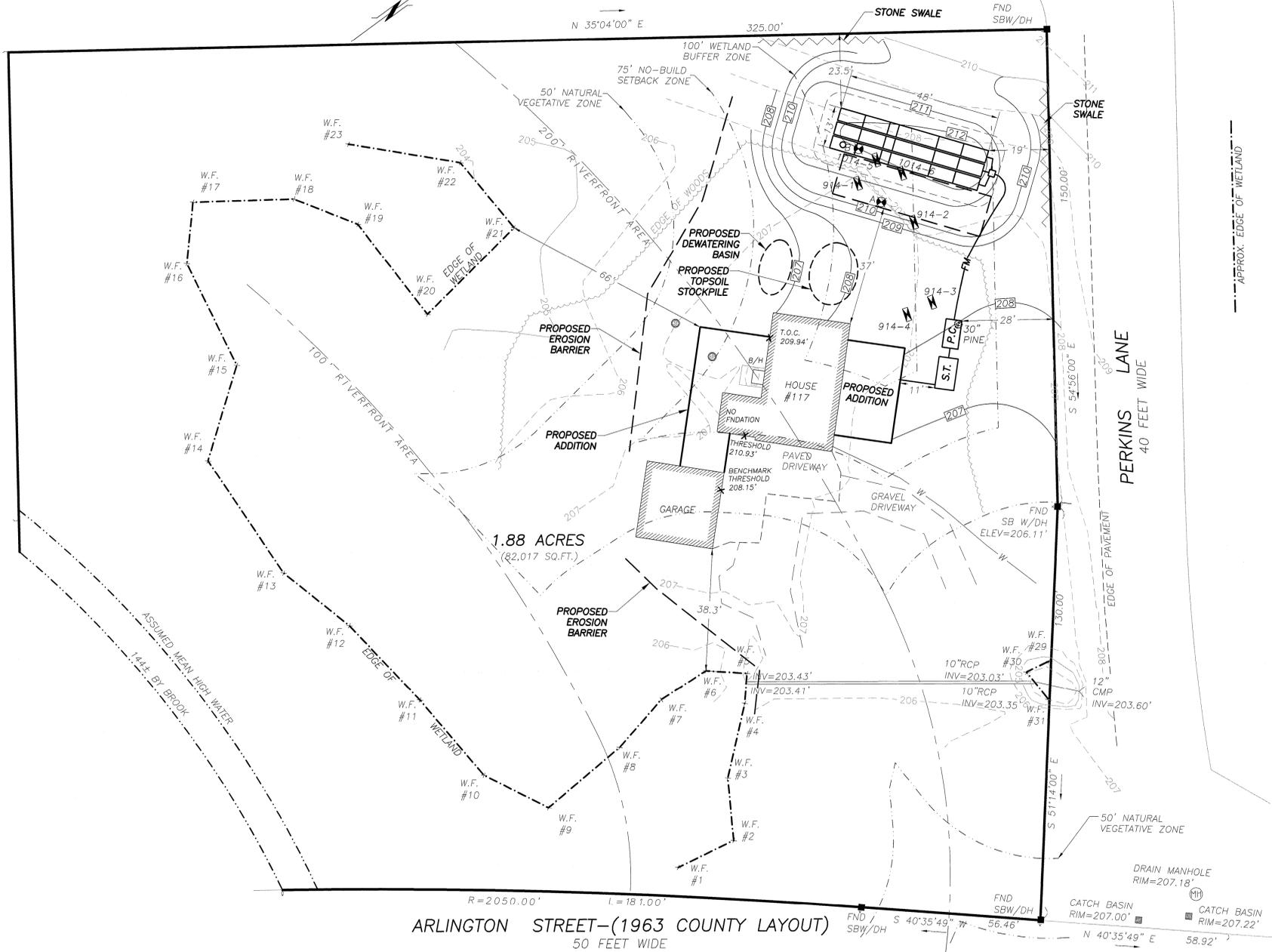
TEMPORARY CONSTRUCTION ENTRANCE

N.T.S.



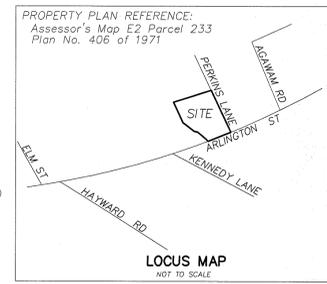
EROSION CONTROL BARRIER (STRAW WATTLE)

N.T.S.



LEGEND

- S.T. SEPTIC TANK
- D-BOX DISTRIBUTION BOX
- OBSERVATION HOLE (TEST PIT)
- PERCOLATION TEST
- SPOT ELEVATIONS
- 100' EXISTING 5' CONTOURS
- 98' EXISTING 1' CONTOURS
- 90' PROPOSED CONTOURS
- w- PRESSURED WATER LINE



RECORD OWNER:
MARK S. SAGANICH
117 ARLINGTON STREET
ACTON, MA 01720

ASSESSOR'S MAP E2 PARCEL 233
BOOK 64219 PG 529
PLAN NO. 406 OF 1971
1963 ARLINGTON STREET COUNTY LAYOUT

SITE LOCATED IN GROUND WATER PROTECTION DISTRICT ZONED 3

ZONING DISTRICT: RESIDENCE 2
FRONT: 30 FEET
SIDE: 10 FEET
REAR: 10 FEET

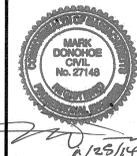
PREPARED FOR:

MARK SAGANICH
117 ARLINGTON STREET
ACTON, MA 01720



Civil Engineers
Land Surveyors
Environmental Consultants

97 GREAT ROAD, PO BOX 666, ACTON, MA 01720
VOICE (978) 263-3666, FAX (978) 635-0218
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WWW.HANCOCKASSOCIATES.COM



BY	APP	DATE	ISSUE/REVISION	DESCRIPTION

NOTICE OF INTENT PLAN

DWG: 18567-base
LAYOUT: E&S
SHEET: 1 OF 1

NOI

PROJECT NO.: 18567