

Planning  
Surveying  
Engineering  
Landscape Architecture

Boxford Conservation Commission  
Ross Povenmire, Conservation Agent  
Peter Delaney, Chairman  
7A Spofford Road  
Boxford, Ma. 01921

June 7, 2020

Dear Mr. Delaney, Members of the Commission, and Mr. Povenmire:

Please find the enclosed N.O.I. application for 26 Arrothead Farm Road. It consists of 1 sheet and a report with the N.O.I. application form.

In addition to the plan dated June 7, 2020, we address the following items:

- NOI Project Narrative
- NOI application
- NOI Wetland Fee Transmittal Form
- Notification to Abutters
- Certified Abutters list
- DEP Wetlands Certificate
- Erosion Control Plan
- Operation & Maintenance Plans
- Boxford Assessors map for locus
- USGS map for locus

The site plan was created in our office with Neil J. Murphy, PE #23890 & PLS# 17460 and Daniel C. Orwig, RLA#501 to address the issues of the enforcement order and undertake immediate corrective actions to prevent any erosion to the adjoining wetland resource area.

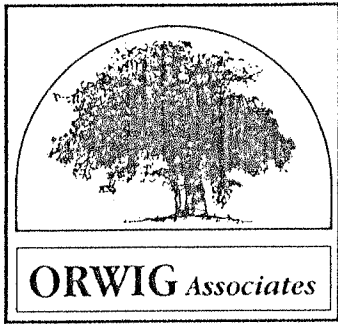
(781) 934-6039  
(781) 934-0454  
P.O. Box 2132  
Duxbury, Massachusetts 02331

All disturbed areas were in an existing lawn area adjacent to the residence and no erosion or siltation was created by the disturbed area. The disturbed area is at a 1% existing grade with little to no runoff to the wetland resource area. The new long driveway adjoining the Franklin's southerly property line has created the need for a fence to buffer noise and light pollution from 30 Arrowhead Farm Road. In refreshing the wetland flags we noticed that the pavement edge of the driveway is 20' from the wetland resource area and has an 2' to 3' wide broken stone curb which is 17' from the wetland resource area.

We thank you for your cooperation with this matter.

Respectfully,

  
Daniel C. Orwig  
ORWIG ASSOCIATES



Planning  
Surveying  
Engineering  
Landscape Architecture

NOTICE OF INTENT NARRATIVE

FOR

26 ARROWHEAD FARM ROAD, BOXFORD, MA.

June 6, 2020

---

This Notice of Intent Application is for the construction of a 722 SF. patio to be located on the southeast side of an existing residence at 26 Arrowhead Farm Road in Boxford, Ma. It is also to include the restoration of 662 sf. of damaged area as part of an enforcement order . These two construction activities are directly adjacent to the existing single family structure and separated from the "BVW" by a wattles erosion control device.

The limit of wetland was located and confirmed by Daniel C. Orwig, see attached DEP acknowledgement for wetlands course and approval, and identified by soils and vegetation. No soil transects were deemed necessary in that the wetland limit was obvious from the extent of grass area and the location of saturated soil conditions. Orwig did find a few previous wetland flags by other which verified his identification.

All of the construction activities take place within previously disturbed areas and no new areas of disturbance are being proposed.

The construction access shall take place over the paved driveway to eliminate any erosion adjacent to wetland.

We hope you look favorable to our proposal.

Sincerely yours,

  
Daniel C. Orwig,  
ORWIG ASSOCIATES



**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

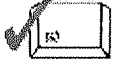
Provided by MassDEP:

MassDEP File Number \_\_\_\_\_

Document Transaction Number \_\_\_\_\_

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):

26 ARROWHEAD FARM ROAD BOXFORD 01921  
 a. Street Address b. City/Town c. Zip Code

42.648400 -70.986440  
 d. Latitude e. Longitude

Latitude and Longitude:  
37 / 01 / 30

f. Assessors Map/Plat Number g. Parcel /Lot Number

2. Applicant:

Merek S. & Julianne Franklin  
 a. First Name b. Last Name

c. Organization  
26 ARROWHEAD FARM ROAD  
 d. Street Address

BOXFORD MA 01921  
 e. City/Town f. State g. Zip Code

617-877-2334 MSF@copleydevelopment.com  
 h. Phone Number i. Fax Number j. Email Address

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

same as Applicant  
 a. First Name b. Last Name

c. Organization

d. Street Address

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

h. Phone Number i. Fax Number j. Email address

4. Representative (if any):

Daniel C. ORWIG  
 a. First Name b. Last Name

ORWIG ASSOCIATES  
 c. Company

9 South Pasture Lane, P.O. Box 2132  
 d. Street Address

Duxbury Ma. 02331  
 e. City/Town f. State g. Zip Code

781-883-3981 781-934-9699 dan\_orwig@hotmail.com  
 h. Phone Number i. Fax Number j. Email address

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

310.00 142.50 167.50  
 a. Total Fee Paid b. State Fee Paid c. City/Town Fee Paid



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 \_\_\_\_\_

City/Town \_\_\_\_\_

**A. General Information (continued)**

6. General Project Description:

I will install a 722 SF. PAVER PATIO AND REPAIR 662 SF. OF  
DAMAGED LAWN IN WETLAND BUFFER AREA.

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

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

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration 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. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR 10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

ESSEX COUNTY REG. of Deeds

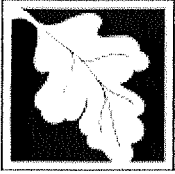
a. County 34323 b. Certificate # (if registered land) 078

c. Book \_\_\_\_\_ 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.



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 \_\_\_\_\_  
 City/Town \_\_\_\_\_

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

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

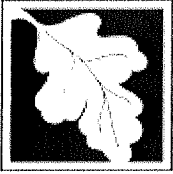
Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input checked="" type="checkbox"/> <b>BUFFER -Bank</b>	6625F of lawn area adjacent to BVW between the 15' and 50' buffer line.	6625F. linear feet
b. <input type="checkbox"/> Bordering Registered Wetland	To be replaced and patio to be built between the 33' to 60' buffer zone.	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet	2. square feet
	3. cubic yards dredged	& PLAN.

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 type="checkbox"/> Riverfront Area	1. Name of Waterway (if available) - specify coastal or inland	
2.	Width of Riverfront Area (check one):	
	<input type="checkbox"/> 25 ft. - Designated Densely Developed Areas only	
	<input type="checkbox"/> 100 ft. - New agricultural projects only	
	<input type="checkbox"/> 200 ft. - All other projects	
3.	Total area of Riverfront Area on the site of the proposed project:	_____ square feet
4.	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.

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)

**Note:** for coastal riverfront areas, please complete **Section B.2.f.** above.



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

City/Town

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

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.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
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 _____
	<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 _____	
	1. square feet _____	
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 _____



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 \_\_\_\_\_

City/Town \_\_\_\_\_

**C. Other Applicable Standards and Requirements**

This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

**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](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

2017  
 b. Date of map

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.2.f, 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).*

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

2.  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 \*\*

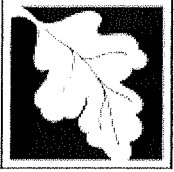
(a)  Project description (including description of impacts outside of wetland resource area & buffer zone)

(b)  Photographs representative of the site

\* 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.





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

City/Town

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

- (c)  MESA filing fee (fee information available at [http://www.mass.gov/dfwele/dfw/nhesp/regulatory\\_review/ mesa/ mesa\\_fee\\_schedule.htm](http://www.mass.gov/dfwele/dfw/nhesp/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  
(f) 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/nhesp/regulatory\\_review/ mesa/ mesa\\_exemptions.htm](http://www.mass.gov/dfwele/dfw/nhesp/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 \_\_\_\_\_

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

3. 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, hand delivery, or electronic delivery of NOI to either:

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

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -  
Southeast Marine Fisheries Station  
Attn: Environmental Reviewer  
836 South Rodney French Blvd.  
New Bedford, MA 02744  
Email: [DMF.EnvReview-South@state.ma.us](mailto:DMF.EnvReview-South@state.ma.us)

Division of Marine Fisheries -  
North Shore Office  
Attn: Environmental Reviewer  
30 Emerson Avenue  
Gloucester, MA 01930  
Email: [DMF.EnvReview-North@state.ma.us](mailto:DMF.EnvReview-North@state.ma.us)

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.



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

City/Town

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

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

4. 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
5. 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
6. 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
7. 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
  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.

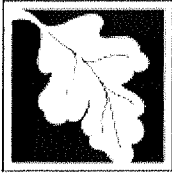
### D. Additional Information

- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

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.



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 \_\_\_\_\_

City/Town \_\_\_\_\_

**D. Additional Information (cont'd)**

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 Site Plan, 26 Arrowhead Farm Rd, Boxford Ma,

a. Plan Title	Neil J. Murphy, PE, # 23890
b. Prepared By	Daniel C. Orwig, PLA # 1501
c. Signed and Stamped By	Neil J. Murphy, PLS # 17460
d. Final Revision Date	June 07, 2020
e. Scale	1" = 30'

f. Additional Plan or Document Title \_\_\_\_\_ g. Date \_\_\_\_\_

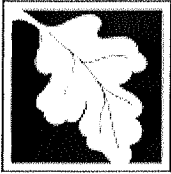
- 5.  If there is more than one property owner, please attach a list of these property owners not listed on this form.
- 6.  Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
- 7.  Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.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

**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	# 3334	3. Check date	6/6/2020
4. State Check Number	# 3333	5. Check date	6/6/2020
6. Payor name on check: First Name	Merek & Julianne Franklin	7. Payor name on check: Last Name	Franklin



**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

---

City/Town

**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.

*Therese S. Franklin Dec.*  
 1. Signature of Applicant

*6-7-2020*  
 2. Date

*Same as above*  
 3. Signature of Property Owner (if different)

4. Date

*Clarence C. Orwig*  
 5. Signature of Representative (if any)

*6-7-2020*  
 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.

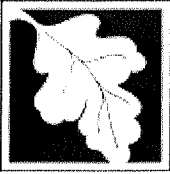
**For MassDEP:**

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:**

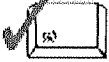
If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

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:

26 ARROWHEAD FARM ROAD

BOXFORD

a. Street Address

b. City/Town

# 3333

142.50

c. Check number

d. Fee amount

2. Applicant Mailing Address:

MEREKS & JULIANNE

FRANKLIN

a. First Name

b. Last Name

c. Organization

26 Arrowhead Farm Rd.

d. Mailing Address

Boxford

e. City/Town

Ma.

f. State

01921

g. Zip Code

617-877-2334

h. Phone Number

i. Fax Number

MSF@Copleydevelopment.com

j. Email Address

3. Property Owner (if different):

Same as Applicant

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

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**

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.



3333

Everett Co Op  
53-70272113

Merek & Julianne Franklin  
26 Arrowhead Farm Road  
Boxford, MA 01921

JUNE 6, 2020

PAY TO THE  
ORDER OF

COMMONWEALTH OF MASS.

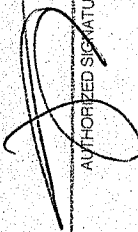
\$ 142.50

ONE HUNDRED FORTY TWO 50/100

DOLLARS

MEMO

NGI

  
AUTHORIZED SIGNATURE

⑈003333⑈ ⑆211370273⑆ 21464722⑈

Details on Back.

Photo Safe Deposit®

**Merek & Julianne Franklin**  
26 Arrowhead Farm Road  
Boxford, MA 01921

Everett Co Op  
53-7027/2113

3335

6/6/2020

PAY TO THE  
ORDER OF

TOWN OF BOXFORD

TWO HUNDRED 00/100

\$ 200.00

DOLLARS

MEMO

Nol

  
AUTHORIZED SIGNATURE

⑆003335⑆ ⑆211370273⑆ 21464722⑆

Details on Back

Photo Safe Deposit®

**Merek & Julianne Franklin**  
26 Arrowhead Farm Road  
Boxford, MA 01921

Everett Co Op  
53-7027/2113

3334

6/6/2020

PAY TO THE  
ORDER OF

TOWN OF BOXFORD

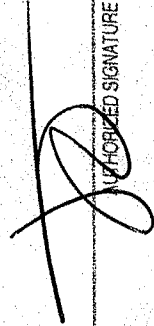
ONE HUNDRED SIXTY SEVEN 50/100

\$ 167.50

DOLLARS

MEMO

Nol

  
AUTHORIZED SIGNATURE

⑆003334⑆ ⑆211370273⑆ 21464722⑆

Details on Back

Photo Safe Deposit®



**Notification to Abutters Under the  
Massachusetts Wetlands Protection Act  
&  
Boxford Wetlands Protection Bylaw**

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, and Section 130-3 of the Town of Boxford Wetlands Protection Bylaw, you are hereby notified of the following:

The Conservation Commission will conduct a remotely held public hearing on June 18, 2020, at 7:30 pm in accordance with the provisions of the Massachusetts Wetlands Protection Act (M.G.L. Ch. 131, S. 40, as amended) and the Boxford Wetlands Protection Bylaw, for a Notice of Intent filed by, Merek S. & Julianne Franklin, for the construction of a 722 sf. patio and the restoration of a 662 sf. lawn area in the wetland buffer zone..

The area is located on Assessor's Property Map #37, parcel 01-30. No in-person meeting will take place at the Town Hall. The meeting will be held via "ZOOM" at <https://zoom.us/j/8237787986> with a meeting ID of 8237787986 If this hearing is not closed, it will be continued to a date requested by the applicant without further abutter notification.

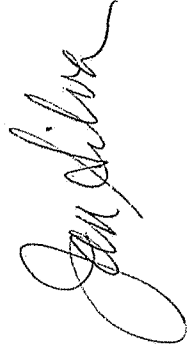
For more information call Merek Franklin at 617-877-2334 or the Boxford Conservation Commission at 978-887-6000x181, Monday thru Thursday 8:30-2pm.

TOWN OF BOXFORD  
 ABUTTER LIST

PARCEL # 37-01-30 - 26 ARROWHEAD FARM ROAD - CONSERVATION COMMISSION 250'

PARCEL ADDRESS	OWNER 1	OWNER 2	MAILING ADDRESS	City/Town	State	Zip Co
18 ARROWHEAD FARM RD	FISCHER JANE K TRUSTEE		PO BOX 342	BOXFORD	MA	01
20 ARROWHEAD FARM RD	KEARNEY CHRISTOPHER T TR	KEARNEY AMIE B TR	20 ARROWHEAD FARM RD	BOXFORD	MA	01
47B DANA RD EXT	DEMARTINIS SALVATORE		47B DANA RD EXT	BOXFORD	MA	01
28 LOCKWOOD LANE	MOORE BENJAMIN H		28 LOCKWOOD LANE	BOXFORD	MA	01
26 ARROWHEAD FARM RD	FRANKLIN MEREK S	FRANKLIN JULIANNE	26 ARROWHEAD FARM RD	BOXFORD	MA	01
30 ARROWHEAD FARM RD	CARNES ANASTASIYA V	CARNES BARRY S	30 ARROWHEAD FARM RD	BOXFORD	MA	01
34 ARROWHEAD FARM RD	HERR NATHAN R	PLUNKETT KARA C	34 ARROWHEAD FARM RD	BOXFORD	MA	01
39 ARROWHEAD FARM RD	WEIDMAN NEIL H II	WEIDMAN JENNIFER B	39 ARROWHEAD FARM RD	BOXFORD	MA	01
4 SEDGEWICK LANE	CLAPP CRAIG S K TE	CLAPP FRANCES M	4 SEDGEWICK LN	BOXFORD	MA	01
10 SEDGEWICK LANE	NOLAN JASON	NOLAN YVONNE	10 SEDGEWICK LANE	BOXFORD	MA	01
22 FOREST LANE	ZHAN TAO	TONG YANHONG	22 FOREST' LANE	BOXFORD	MA	01
17 ARROWHEAD FARM RD	MCCOURT JOSEPH A TR	MCCOURT CAROLINE TR	17 ARROWHEAD FARM RD	BOXFORD	MA	01

CERTIFIED COPY



JUNE 4, 2020

Massachusetts Department of Environmental Protection  
Bureau of Resource Protection

*Presented to*

**Daniel Orwig**

for completion of  
**Wetlands Delineation Workshop**  
*November 1996*

*Richard Tomczyk*

Richard Tomczyk  
Wetlands Protection Program

**" EROSION CONTROL PLAN NARRATIVE "**

FOR

**STORMWATER MANAGEMENT**

**26 Arrowhead Farm Road**

**BOXFORD , MASSACHUSETTS**

BY

**ORWIG ASSOCIATES**

**JUNE 7, 2020**

## INTRODUCTION

The following is a **EROSION CONTROL PLAN** and NARRATIVE for 26 Arrowhead Farm Road, Boxford, Massachusetts. This document illustrates the measures which will be taken to control erosion and sediment problems related to the proposed construction and demolition with issues of **water quality** pertaining to adjoining **wetland resource areas** adjacent to the project location which is just north of the project area as a primary concern.

This Erosion Control Plan is designed to meet the Commonwealth of Massachusetts **stormwater management policy** (see standards #8&#9) and requirements utilized to develop this EROSION CONTROL PLAN and OPERATION AND MANAGEMENT PLAN have been selected from **BEST MANAGEMENT PRACTICES**, commonly known as "**BMP'S**", which were developed for urbanizing areas that could remove urban pollutants and protect downstream wetland resource areas as illustrated in Vol I of the **Stormwater Policy Handbook** and adopted by DEP and CZM. Most of these requirements include practices involving extra detention, retention or infiltration of urban storm water **to enhance pollutant removal and improve water quality**.

The principal "BMPs" utilized here include:

1. **MINIMIZE GRADING AND TREE REMOVAL:**

The construction drawings have been developed to minimize grading and tree removal. See location of wattles to limit work adjacent to the wetland resource area.

2. **STABILIZE DISTURBED AREAS:**

Temporary or permanent vegetation, and mulch, or a combination of these measures will be employed as quickly as possible after the area is disturbed. All top soil and silt was removed to specific site areas to eliminate siltation of upland retention areas and adjoining wetland resource areas.

3. **KEEP RUNOFF VELOCITIES LOW:**

Sediment basin, short slope lengths, low gradients, and preservation of the natural vegetative cover help keep storm water velocities low, and thus limit soil erosion hazards.

4. **MINIMIZE RUNOFF:**

The roof surface from the residence will be directed to the existing lawn area to minimize erosion.

5. **STRAW WATTLES TO PROTECT DISTURBED AREAS FROM STORM WATER RUNOFF:**

Straw wattles were installed to prevent water from entering and running over disturbed areas, and to prevent erosion damage to any adjoining wetland resource areas.

6. **STRAW WATTLES INSTALLED FOR PERIMETER CONTROL PRACTICES:**

Wattles were installed to isolate the construction activity from the wetland resource areas. Generally, sediment will be retained by two(2) methods: (1) filtering runoff as it flows through the area, and (2) impounding the sediment laden runoff for a period of time so that the soil particles settle out.

7. **IMPLEMENT A THROUGH MAINTENANCE AND FOLLOW UP PROGRAM DURING CONSTRUCTION:**

The owners, Merek S & Julianne Franklin shall make periodic checks during construction of the erosion and sediment control practices.

8. **MAINTENANCE PROGRAM FOLLOWING CONSTRUCTION:**

The owner, shall undertake the following maintenance activities for the project areas:

1. Re-mulch void areas experiencing erosion
2. Treat diseased vegetation as necessary
3. Water plants daily for two weeks after installation.
4. Inspect soil and repair eroded areas.(monthly)
5. Remove litter and debris.(monthly)
6. Remove and replace dead and diseased vegetation.(twice per year)
7. Add additional mulch (annually)

9. **MISCELLANEOUS NONSTRUCTURAL APPROACHES:**

The project shall incorporate the following nonstructural approaches to improve water quality: non-fertilizer zone, salting zone, and a comprehensive snow management policy and designated disposal area.

10. **EROSION CONTROL DURING CONSTRUCTION:**

During construction the first line of defense in Stormwater management is controlling erosion. We have incorporated the following sediment control measures during construction as applicable:

- Catch basin grates covered with geotextile
- Drainage outfalls covered with geotextile to eliminate erosion prior to the installation of proprietary stormwater units.
- Upland sediment traps
- Checkdams to reduce velocity and erosion
- Hydroseeding and sodding exposed areas subject to erosion
- Silt removal through grading.
- Stockpile loam and silt
- Grading slopes less than 3:1.

**OPERATION AND MAINTENANCE PLAN**  
**PROPOSED DRAINAGE SYSTEM – DURING CONSTRUCTION**  
**JUNE 07, 2020**

**26 Arrowhead Farm Road.**  
**Boxford, Ma.**

**Owner:**

Merek S. Franklin/Copley Design LLC.  
26 Arrowhead Farm Road  
Boxford, Ma 01921

**Party Responsible for Operation and Maintenance:**

During Construction  
Merek S. Franklin/Copley Design LLC.  
26 Arrowhead Farm Road  
Boxford, Ma 01921

**Source of Funding:**

Operation and Maintenance of this stormwater management system will be the responsibility of the property owner of 26 Arrowhead Farm Road to include its successor and/or assigns, as the same may appear on record with the appropriate register of deeds.

**During Construction:**

Construction activities shall follow the Construction Sequence shown on the approved plan. During periods of active construction the stormwater management system shall be inspected on a weekly basis and within 24 hours of a storm event of greater than ½". Maintenance tasks shall be performed monthly or after significant rainfall events of 1" of rain or greater. During construction, silt-laden runoff shall be prevented from entering the existing wetlands and off-site properties. Straw wattles shall be installed in advance of construction along the edge of all disturbed areas within the buffer and shall be maintained throughout the project. Silt Sacks for catch basins (if any) shall be installed immediately following the installation of each catch basin. The location of the straw wattles is shown on the approved plans.

During dewatering operations, (if applicable) all water pumped from the dewatering shall be directed to a "dirt bag" pumped sediment



removal system (or approved equal) as manufactured by ACF Environmental. The unit shall be placed on a crushed stone blanket. Disposal of such "dirt bag" shall occur when the device is full and can no longer effectively filter sediment or allow water to pass at a reasonable flow rate. Disposal of this unit shall be the responsibility of the contractor and shall be as directed by the owner in accordance with applicable local, state, and federal guidelines and regulations.

The existing paved driveway shall be utilized as a stabilized construction entrance.

All erosion and sedimentation control measures shall be in place prior to the commencement of any site work or earthwork operations, shall be maintained during construction, and shall remain in place until all site work is complete and ground cover is established.

Once the patio is in place, it should be maintained in accordance with the procedures described in the post-construction Operations and Maintenance Plan.

### **Inspections**

The Owner shall be responsible to secure the services of a Professional Engineer to perform inspections as required. Inspections during periods of active construction shall be weekly and within 24 hours of a storm event of greater than ½ ". The Professional Engineer shall perform inspections to insure that the approved plan is being followed with particular attention to the Conservation Commission Order of Conditions, Planning Board Approval and the Construction Sequencing. The Engineer shall be responsible for inspecting the roadway construction and the construction of the stormwater management system. The Engineer shall prepare and submit to the Conservation Commission and Planning Board, the Inspection Schedule and Evaluation Checklist (see attached) and, if necessary, request that the required maintenance and/or repair of the necessary items. This form shall be stamped by the Engineer and the Owner shall be notified that specific changes and/or repairs are necessary.

**STORMWATER MANAGEMENT  
BEST MANAGEMENT PRACTICES**  
**INSPECTION SCHEDULE AND EVALUATION CHECKLIST – CONSTRUCTION PHASE**

**PROJECT LOCATION: 26 Arrowhead Farm Road, Boxford, Ma.**

Latest Revision: 6/07/2020

Best Management Practice	Inspection Frequency (1)	Date Inspected	Inspector	Minimum Maintenance and Key Items to Check	Cleaning/Repair Needed yes/no List items	Date of Cleaning/Repair	Performed By	Water Level in Detention System
<b>WATTLES FOR EROSION CONTROL</b>	After every major storm event							
<b>Gas trap deep sump Catch basins</b>	NA							
<b>Galley Units (if any)</b>	NA							
<b>Street Sweeping</b>	NA							
<b>Dewatering Operations (if any need)</b>	NA							
<b>Construction Entrance at driveway</b>	Daily or as needed.							
<b>Roof Drainage</b>	After every major storm event							
<b>Plantings for Erosion Control: Sodded Lawn</b>	After every major storm event							

(1) Refer to the Massachusetts Stormwater Management, Volume Two: Stormwater Technical Handbook (March 1997) for

recommendations regarding frequency for inspection and maintenance of specific BMPs.

Limited or no use of sodium chloride salts, fertilizers or pesticides recommended. Slow release fertilizer recommended.  
Other notes:(Include deviations from: Con Com Order of Conditions, PB Approval, Construction Sequence and Approved Plan)

Stormwater Control Manager: Daniel C. Orwig

Stamp

**OPERATION AND MAINTENANCE PLAN**  
**PROPOSED DRAINAGE SYSTEM – POST CONSTRUCTION**  
June 7, 2020

**Owner:**

Merek S. Franklin/Copley Design LLC.  
26 Arrowhead Farm Road  
Boxford, Ma 01921

**Party Responsible for Operation and Maintenance:**  
After patio and lawn is completed and restored

Merek S. Franklin/Copley Design LLC.  
26 Arrowhead Farm Road  
Boxford, Ma 01921

**or**

**The property Owner of 26 Arrowhead Farm Road  
including its successor and/or assigns**

*Note: items to be considered under “Patio and Lawn” are: erosion control, debris removal, lawn watering to stabilize.*

For Stormwater Management System:

Merek S. Franklin/Copley Design LLC.  
26 Arrowhead Farm Road  
Boxford, Ma 01921

*Note: items to be considered under “Stormwater Management System” are: erosion control measures.*

**Source of Funding:**

Operation and Maintenance of this stormwater management system will be the responsibility of the owner of 26 Arrowhead Farm Road to include its successor and/or assigns, as the same may appear on record with the appropriate register of deeds.

Merek S. Franklin/Copley Design LLC.  
26 Arrowhead Farm Road  
Boxford, Ma 01921

**Post Construction Inspection and Maintenance:**

**Inspections**

The home owner shall be responsible to secure the services of a Licensed Engineer on an on-going basis. The inspector shall review the project with respect to the following:

- Proper installation and performance of the Stormwater Management System.
- Review of the controls to determine any damaged or ineffective controls.
- Corrective actions.

The Engineer shall prepare, stamp and submit to the Boxford DPW (if applicable), a report documenting the findings and should request the required maintenance or repair for the pollution prevention controls when the inspector finds that it is necessary for the control to be effective (see attached Inspection Schedule and Evaluation Checklist). The inspector shall notify the Owner to make the changes.

For additional information, refer to Performance, Standards and Guidelines for Stormwater Management in Massachusetts, published by the Department of Environmental Protection.

**STORMWATER MANAGEMENT  
BEST MANAGEMENT PRACTICES**

**INSPECTION SCHEDULE AND EVALUATION CHECKLIST – POST CONSTRUCTION PHASE**

**PROJECT LOCATION: 26 Arrowhead Farm Road, Boxford, Ma.**

Latest Revision: 6/7/2020

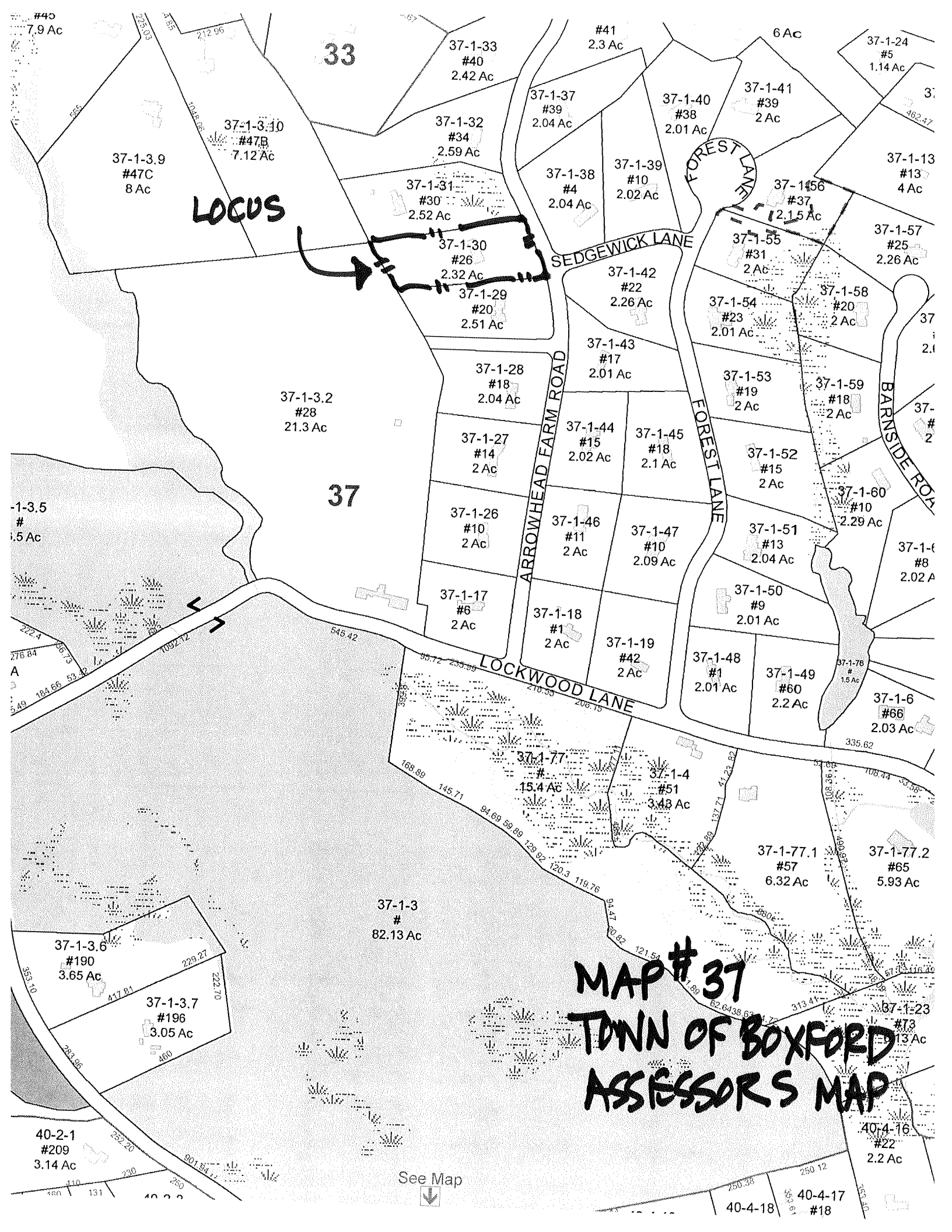
Best Management Practice	Inspection Frequency (1)	Date Inspected	Inspector	Minimum Maintenance and Key Items to Check	Cleaning/Repair Needed yes/no List items	Date of Cleaning/Repair	Performed By	Water Level in Detention System
Galley unit with D.I. (if any)	Yearly							
Erosion Control & driveway sweeping	weekly							
Roof Drainage System	Twice a year							
Plantings & Erosion	Twice a year							

(1) Refer to the Massachusetts Stormwater Management, Volume Two: Stormwater Technical Handbook (March 1997) for recommendations regarding frequency for inspection and maintenance of specific BMPs.

Limited or no use of sodium chloride salts, fertilizers or pesticides recommended. Slow release fertilizer recommended.  
Other notes: (Include deviations from: Con Com Order of Conditions, PB Approval, Construction Sequence and Approved Plan)

Stormwater Control Manager: Daniel C. Orwig

Stamp



33

37

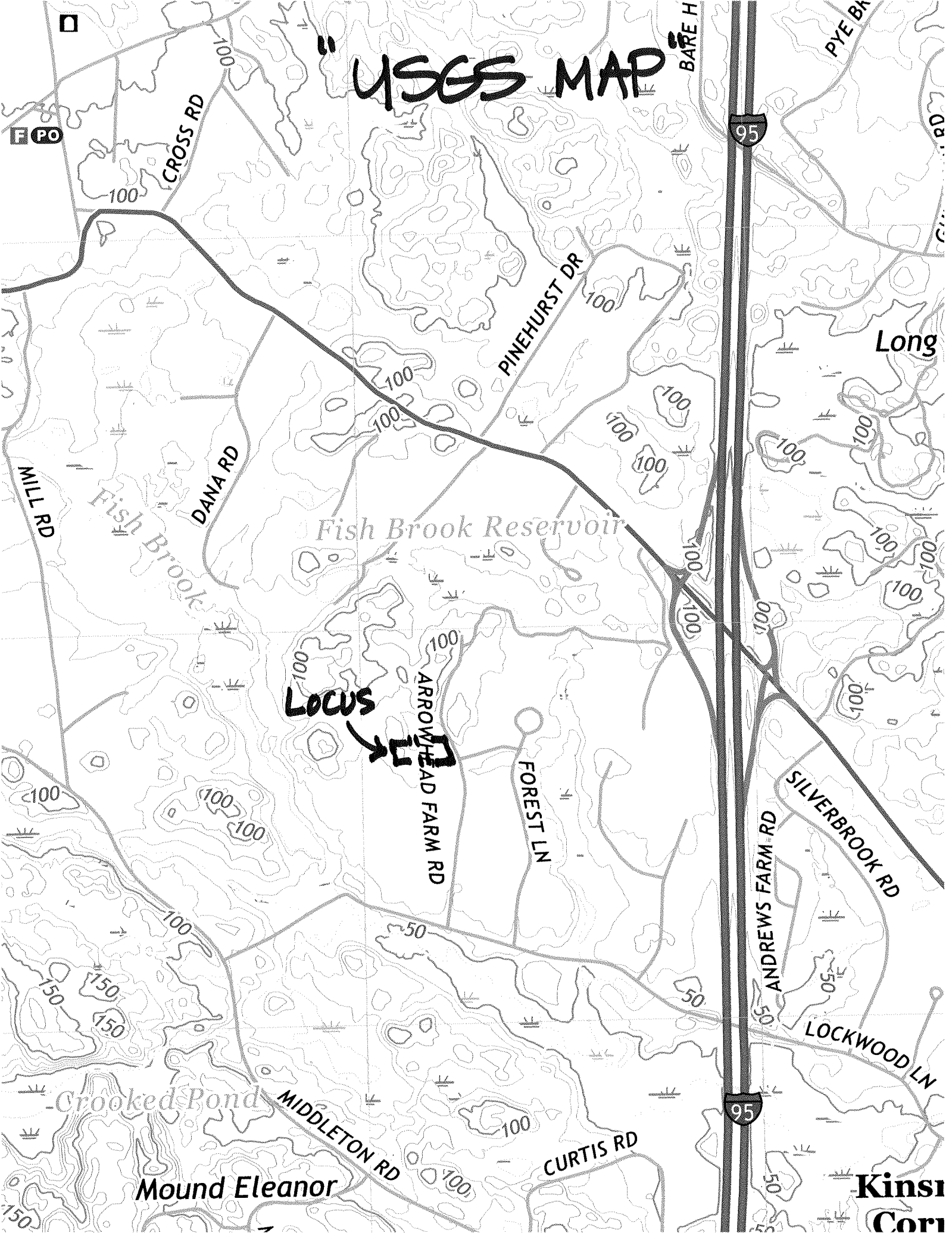
**LOCUS**

**MAP # 37  
TOWN OF BOXFORD  
ASSESSORS MAP**

See Map  
↓

- #40 7.9 Ac
- 37-1-3.9 #47C 8 Ac
- 37-1-3.10 #47B 7.12 Ac
- 37-1-33 #40 2.42 Ac
- 37-1-32 #34 2.59 Ac
- 37-1-31 #30 2.52 Ac
- 37-1-30 #26 2.32 Ac
- 37-1-29 #20 2.51 Ac
- 37-1-28 #18 2.04 Ac
- 37-1-27 #14 2 Ac
- 37-1-26 #10 2 Ac
- 37-1-17 #6 2 Ac
- 37-1-18 #1 2 Ac
- 37-1-19 #42 2 Ac
- 37-1-41 2.3 Ac
- 37-1-37 #39 2.04 Ac
- 37-1-38 #4 2.04 Ac
- 37-1-39 #10 2.02 Ac
- 37-1-40 #38 2.01 Ac
- 37-1-42 #22 2.26 Ac
- 37-1-43 #17 2.01 Ac
- 37-1-44 #15 2.02 Ac
- 37-1-45 #18 2.1 Ac
- 37-1-46 #11 2 Ac
- 37-1-47 #10 2.09 Ac
- 37-1-48 #1 2.01 Ac
- 37-1-49 #60 2.2 Ac
- 37-1-40 #39 2 Ac
- 37-1-55 #31 2 Ac
- 37-1-54 #23 2.01 Ac
- 37-1-53 #19 2 Ac
- 37-1-52 #15 2 Ac
- 37-1-51 #13 2.04 Ac
- 37-1-50 #9 2.01 Ac
- 37-1-48 #1 2.01 Ac
- 37-1-49 #60 2.2 Ac
- 37-1-56 #37 2.15 Ac
- 37-1-57 #25 2.26 Ac
- 37-1-58 #20 2 Ac
- 37-1-59 #18 2 Ac
- 37-1-60 #10 2.29 Ac
- 37-1-78 #1 1.5 Ac
- 37-1-66 #66 2.03 Ac
- 37-1-3.2 #28 21.3 Ac
- 37-1-3.6 #190 3.65 Ac
- 37-1-3.7 #196 3.05 Ac
- 37-1-3 # 82.13 Ac
- 37-1-77 # 15.4 Ac
- 37-1-4 #51 3.48 Ac
- 37-1-77.1 #57 6.32 Ac
- 37-1-77.2 #65 5.93 Ac
- 37-1-24 #5 1.14 Ac
- 37-1-13 #13 4 Ac
- 37-1-57 #25 2.26 Ac
- 37-1-13 #20 2 Ac
- 37-1-59 #18 2 Ac
- 37-1-60 #10 2.29 Ac
- 37-1-78 #1 1.5 Ac
- 37-1-66 #66 2.03 Ac
- 37-1-23 #73 1.13 Ac
- 40-2-1 #209 3.14 Ac
- 40-4-16 #22 2.2 Ac
- 40-4-17 #18
- 40-4-18

USGS MAP



F PO

BARE H

PYE Bk

Long

Fish Brook Reservoir

Fish Brook

MILL RD

CROSS RD

DANA RD

PINEHURST DR

LOCUS



ARROWHEAD FARM RD

FOREST LN

ANDREWS FARM RD

SILVERBROOK RD

LOCKWOOD LN

Crooked Pond

MIDDLETON RD

CURTIS RD

Mound Eleanor

95

Kinsi  
Cori