

**Massachusetts Department of Environmental Protection**  
Bureau of Resource Protection - Wetlands

Provided by MassDEP:

**WPA Form 3 – Notice of Intent**

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

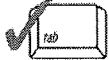
MassDEP File Number

Document Transaction Number

LEICESTER  
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):

500 MOOSE HILL ROAD

a. Street Address

LEICESTER

b. City/Town

01524

c. Zip Code

Latitude and Longitude:

42 16 38 N

d. Latitude

71-57-07 W

e. Longitude

f. Assessors Map/Plat Number

#3

g. Parcel /Lot Number

2. Applicant:

MARC

a. First Name

CURTIS

b. Last Name

c. Organization

505 MOOSE HILL ROAD

d. Street Address

LEICESTER

e. City/Town

MA

f. State

01524

g. Zip Code

508-7268653

h. Phone Number

i. Fax Number

MARC CURTIS 270 AOL.COM

j. Email Address

3. Property owner (required if different from applicant):

☐ Check if more than one owner

SAME

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):

MICHAEL

a. First Name

BURKE

b. Last Name

BORKE ENGINEERING SERVICES

c. Company

299 SALISBURY STREET

d. Street Address

WORCESTER

e. City/Town

MA

f. State

01609-1662

g. Zip Code

508-795-7795

h. Phone Number

508-795-7795

i. Fax Number

MIKE BURKE 7@AOL.COM

j. Email address

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

\$ 500 189.38 = 559.38

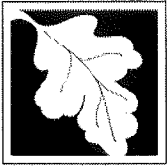
a. Total Fee Paid

237.60

b. State Fee Paid

262.50 + 5938 = 321.88

c. City/Town Fee Paid



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MassDEP File Number

Document Transaction Number

*6616560*

City/Town

**A. General Information** (continued)

6. General Project Description:

*LIMITED PROTECT FOR REPAIR TO EXISTING Bridge used  
FOR EXISTING FIRE & SNOW MOBILE TRAIL*

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

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

*LIMITED PROTECT TO REPAIR EXISTING BRIDGE FOR  
FIRE & SNOW-MOBILE TRAIL*

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:

*WORCESTER*

a. County

*54898*

b. Certificate # (if registered land)

*335*

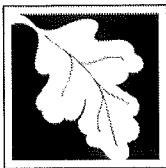
c. Book

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.



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LEICESTER

**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 type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input checked="" type="checkbox"/> Bordering Vegetated Wetland	2000 1. square feet	2500 2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet	2. square feet
	3. cubic yards dredged	

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. ☐ Riverfront Area

1. Name of Waterway (if available) - **specify coastal or inland**

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: \_\_\_\_\_ square feet

4. Proposed alteration of the Riverfront Area:

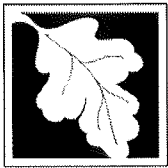
a. total square feet \_\_\_\_\_ b. square feet within 100 ft. \_\_\_\_\_ c. square feet between 100 ft. and 200 ft. \_\_\_\_\_

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.



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Provided by MassDEP:

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**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.

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

	Size of Proposed Alteration	Proposed Replacement (if any)
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. ☐ 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.

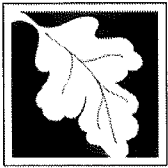
a. square feet of BVW

b. square feet of Salt Marsh

5. ☐ Project Involves Stream Crossings

a. number of new stream crossings

b. number of replacement stream crossings



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*LEIKER*  
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 Notice of Intent – 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**

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

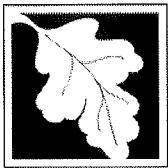
2. ☐ Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work \*\*

(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.



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

- (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
- (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/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 \_\_\_\_\_
  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:

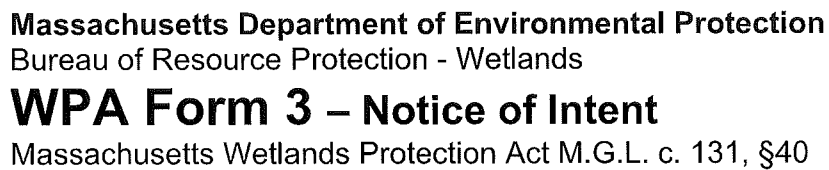
South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

Division of Marine Fisheries -  
Southeast Marine Fisheries Station  
Attn: Environmental Reviewer  
1213 Purchase Street – 3rd Floor  
New Bedford, MA 02740-6694  
Email: [DMF.EnvReview-South@state.ma.us](mailto:DMF.EnvReview-South@state.ma.us)

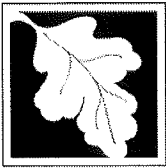
North Shore - Hull to New Hampshire border:

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.



City/Town



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Bureau of Resource Protection - Wetlands

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**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.
- a. Plan Title WETLAND CROSSING PLAN
- b. Prepared By R.G. MURPHY & ASSOC
- c. Signed and Stamped by MICHAEL J. BROOKS  
111340
- d. Final Revision Date 7/20/16
- e. Scale 1"=40'
- f. Additional Plan or Document Title EXISTING BRIDGE REPLACEMENT
- g. Date 7/20/16
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 001185
3. Check date 7/29/16
4. State Check Number 001186
5. Check date 7/29/16
6. Payor name on check: First Name PAYTON PROPERTIES REALTY
7. Payor name on check: Last Name TRUST  
CURTIS





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Bureau of Resource Protection - Wetlands  
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## 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

2. Date

3. Signature of Property Owner (if different)

4. Date

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.

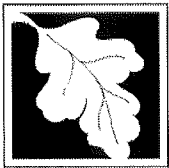
### For MassDEP:

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:

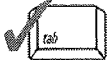
If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

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.



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**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:

a. Street Address 500 MOOSE HILL ROAD

b. City/Town LEICESTER

c. Check number

d. Fee amount \$ 23750

### 2. Applicant Mailing Address:

a. First Name MARC

b. Last Name CURTIS

c. Organization

d. Mailing Address P.O. BOX 99

e. City/Town PAXTON

f. State MA

g. Zip Code 01612

h. Phone Number 508-726-8653

i. Fax Number

j. Email Address MARC.CURTIS27@MOB.COM

### 3. 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

## 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.

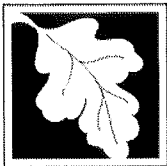
**Step 3/Individual Activity Fee:** Identify each activity fee from the six project categories listed in the instructions.

**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).



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**B. Fees** (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
<u>LIMITED ACCESS</u>	<u>1</u>	<u>500</u>	<u>500</u>
<u>CATEGORY 2 VI</u>			

Step 5/Total Project Fee: 500

**Step 6/Fee Payments:**

Total Project Fee:

500  
a. Total Fee from Step 5

State share of filing Fee:

237.50  
b. 1/2 Total Fee less \$12.50

City/Town share of filling Fee:

262.50 + \$9.38  
c. 1/2 Total Fee plus \$12.50 321.88

**C. Submittal Requirements**

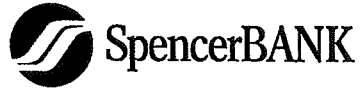
- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

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.)

Paxton Properties Realty Trust  
PO Box 99  
Paxton Ma 01612



001186  
53-7159/21

7/29/2016

DATE

PAY TO THE ORDER OF Commonwealth of Massachusetts

\$ \*\*237.50

Two Hundred Thirty-Seven and 50/100\*\*\*\*\*

DOLLARS

Commonwealth of Massachusetts

Memo

filing fee Lot 3, 500 Moose Hill Rd Leicester



*[Signature]*  
AUTHORIZED SIGNATURE

⑈001186⑈ ⑆211371599⑆ 1024576697⑈

Paxton Properties Realty Trust  
PO Box 99  
Paxton Ma 01612



001185  
53-7159/21

7/29/2016

DATE

PAY TO THE ORDER OF Town of Leicester

\$ \*\*321.88

Three Hundred Twenty-One and 88/100\*\*\*\*\*

DOLLARS

Town of Leicester  
3 Washburn Square  
Leicester, MA 01524-1333

Memo

filing fee for Lot 3 500 Moose Hill Rd



*[Signature]*  
AUTHORIZED SIGNATURE

⑈001185⑈ ⑆211371599⑆ 1024576697⑈

# Town of Leicester

## Abutters List

Page 1 of 1

ParcelID	Location	Owner	Co-Owner	Mailing Address	City	State	Zip
1 A3 0 ✓	MOOSE HILL RD	✓COMMONWEALTH OF MASS	DIV OF FISHERIES + WILDLI	251 CAUSEWAY ST STE 400	BOSTON	MA	02114
1 A4 0 X 06/06/07	505 MOOSE HILL RD	CURTIS MARC D		P O BOX 99	PAXTON	MA	01612
1 C1 0 ✓	WHITTEMORE ST	✓COMMONWEALTH OF MASS	DIV OF FISHERIES + GAME	WHITTEMORE ST	LEICESTER	MA	01524
1 C2 0 ✓	WHITTEMORE ST	✓MILEY WILLIAM M		4260 SOUTHEAST 20TH PL	CAPE CORAL	FL	33904
1 C3 0 ✓	500 MOOSE HILL RD	✓EHN ARTHUR K	c/o OLIVA ANTHONY	303 EAST A STREET #655	JENKS	OK	74037
1 C3.1 0 ✓	MOOSE HILL RD	✓COMMONWEALTH OF MASS		MOOSE HILL RD	LEICESTER	MA	01524
1 C3.5 0 ✓	520 MOOSE HILL RD	✓NIDDRIE DEREK P	NIDDRIE ANDREA B	41 SABINA CIRCLE	ROCHDALE	MA	01542
9 B5 0 ✓	BOND ST	LEICESTER ROD + GUN CLUB		PO BOX 282	LEICESTER	MA	01524

*End of Report*

Above is a certified list of abutters that border subject only.  
 Subject property: Moose Hill Road, Assessors Map 1-C4-0 & 1 C3.4-0, Deed Ref. 54888/338  
 Subject owner: Marc Curtis

John Prescott, Principal Assessor  
 Prepared by: Kathleen Asquith, Assistant

AFFIDAVIT OF SERVICE

Under the Massachusetts Wetlands Protection Act

(to be submitted to the Massachusetts Department of  
Environmental Protection and the Conservation Commission  
when filing a Notice of Intent)

I, Michael J. Burke, hereby certify  
under the pains and penalties of perjury that on Aug. 3 2016 I gave  
notification to abutters in compliance with the second paragraph of  
Massachusetts General Laws Chapter 131, Section 40, and the DEP Guide  
to Abutter Notification dated April 8, 1994, in connection with the  
following matter:

A Notice of Intent filed under the Massachusetts Wetlands  
Protection Act by MARLE BURTON with the  
LEICESTER Conservation Commission on

for property located at LOT 23  
MOOSE HILL RD. LEICESTER MA 01524  
ASSESSORS MAP 1-C4-D & 1C34-D

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

Name

Michael Burke

Date

8/1/16

Notification to abutters under the  
Massachusetts Wetlands Protection Act

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, you are hereby notified of the following.

- A. The name of the applicant is MARC CURTIS
- B. The applicant has filed a Notice of Intent with the Conservation Commission for the municipality of LEICESTER seeking permission to remove, fill, dredge or alter an Area Subject to Protection Under the Wetlands Protection Act (General Laws Chapter 131, Section 40).
- C. The address of the lot where the activity is proposed is LOT #3  
MOOSE HILL ROAD LEICESTER MA 01524  
ASSESSORS MAP 1-C4-04 103.420
- D. Copies of the Notice of Intent may be examined at LEICESTER  
CONSERVATION COMMISSION @ 3 WASHBURN SQ, LEICESTER  
between the hours of 9 and 3 on the following days of the week:  
MTWTF  
For more information, call: (508) 892-7007.
- Check One: This is the applicant ☐, representative ☐, or other ☒ (specify):  
LEICESTER CONSERVATION COMMISSION
- E. Copies of the Notice of Intent may be obtained from either (check one) the applicant ☐, or the applicant's representative ☒, by calling this telephone number (508) 795-7795 between the hours of 9 and 12 on the following days of the week: TUES & THURS
- F. Information regarding the date, time, and place of the public hearing may be obtained from LEICESTER CONSERVATION COMMISSION  
ATTN BARBARA KNOX  
by calling this telephone number (508) 892-7007 between the hours of 9 and 3 on the following days of the week:  
MTWES WED & THURS
- Check One: This is the applicant ☐, representative ☐, or other ☒ (specify):  
CONSERVATION COMM

NOTE: Notice of the public hearing, including its date, time, and place, will be published at least five (5) days in advance in the WORCESTER TELEGRAM  
(name of newspaper)

NOTE: Notice of the public hearing, including its date, time, and place, will be posted in the City or Town Hall not less than forty-eight (48) hours in advance.

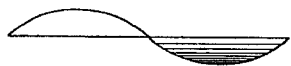
NOTE: You also may contact your local Conservation Commission or the nearest Department of Environmental Protection Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP, call:

Central Region: 508-792-7650

Northeast Region: 617-935-2160

Southeast Region: 508-946-2800

Western Region: 413-784-1100



**ROBERT G. MURPHY & ASSOCIATES, INC.**  
**ENVIRONMENTAL CONSULTANTS**

214 Worcester Street  
No. Grafton, Massachusetts 01536

[rgmenviron@verizon.net](mailto:rgmenviron@verizon.net)

Phone (508) 839-0310  
Fax (508) 839-5914

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

Applicant: Marc D. Curtis  
Project Loc: 500 Moose Hill Rd. Leicester  
Lot 3

Prepared by: Robert G. Murphy  
DEP File #:

Vegetation and other indicators of hydrology used to delineate BVW boundary

**Section I Vegetation**

Observation Plot Number: 1

Transect Number: 1

Date of Delineation: 7-28-2016

A. Sample Layer and Plant Species	B. Percent Cover	C. Percent Dominance	D. Dominant Plant	E. Wetland Indicator Category*
<b>TREES</b>				
* Red Maple – <i>Acer r.</i>	70	70	Y	FAC+
Red Oak – <i>Quercus r.</i>	5	5	N	FACU
Gray Birch – <i>Betula p.</i>	5	5	N	FACU
Black Cherry – <i>Prunus serotina</i>	5	5	N	FAC
* Amer. Elm – <i>Ulmus a.</i>	5	5	N	FACW-
<b>SHRUBS</b>				
* Witch Hazel – <i>Hamamelis virgin.</i>	15	20	Y	FAC
* Arrowwood – <i>Viburnum rec.</i>	20	25	Y	FACW
* Winterberry Holly – <i>Ilex vir.</i>	10	15	Y	FACW
* H. Blueberry – <i>Vaccinium cor.</i>	15	20	Y	FACW-
<b>FORBS</b>				
* Sensitive Fern – <i>Onoclea sen.</i>	5	5	Y	FACW-
* Cinnamon Fern – <i>Osmunda cin.</i>	20	20	Y	FACW
* Skunk Cabbage – <i>Symplocarpus f.</i>	20	20	Y	OBL
* Jewelweed – <i>Impatiens capensis</i>	30	30	Y	FACW
* Swamp Dewberry – <i>Rubis his.</i>	5	5	N	FACW

\* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL. C. 131, s. 40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

**Vegetation Conclusion:**

Number of dominant wetland indicator plants: 9

Number of dominant non-wetland indicator plants: 0

Is the number of dominant wetland plants  $\geq$  the number of dominant non-wetland plants: YES



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**Section II Indicators of Hydrology**

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**Hydric Soil Interpretation****1. Soil Survey**

Is there a published soil survey for this site? Yes

Title/date: Middlesex County 2010

Map number: Custom NRCS

Soil type mapped: Ridgebury Fine Sandy Loam / Paxton FSL

Hydric soil inclusions: Yes

Are field observations consistent with soil survey? Yes

Remarks: typical Freetown soil in lowlands.

**2. Soil Description**

Horizon	Depth	Matrix Color	Mottles Color
A	12"	10YR 3/1	
B	20"	5Y 5/2	2.5YR 6/8
C	60"+	Gley	Gleyed

Remarks: Intermittent Stream emerges from slope near Park Street.

**3. Other: Sand inclusions on upper slopes****Other Indicators of Hydrology**

Site inundated: seasonal

Depth to free water observation hole: 8"

Depth to soil saturation in observation hole: 6"

Water marks: No

Drift lines: No

Sediment deposits: No

Drainage patterns in BVW: Yes

Oxidized rhizospheres: Yes

Water-stained leaves: Yes, in depressions

Record data (stream, lake, or tidal gauge; aerial photo; other):

Other: Freetown Muck in bog areas

**Vegetation and Hydrology Conclusion**

Number of wetland indicator plants  $\geq$  number of non-wetland indicator plants: Yes

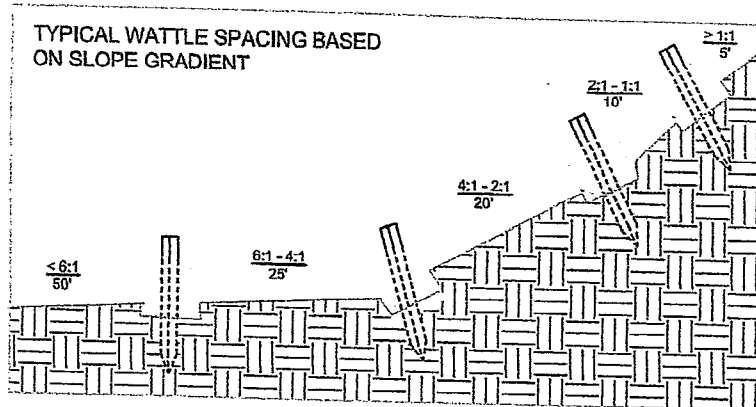
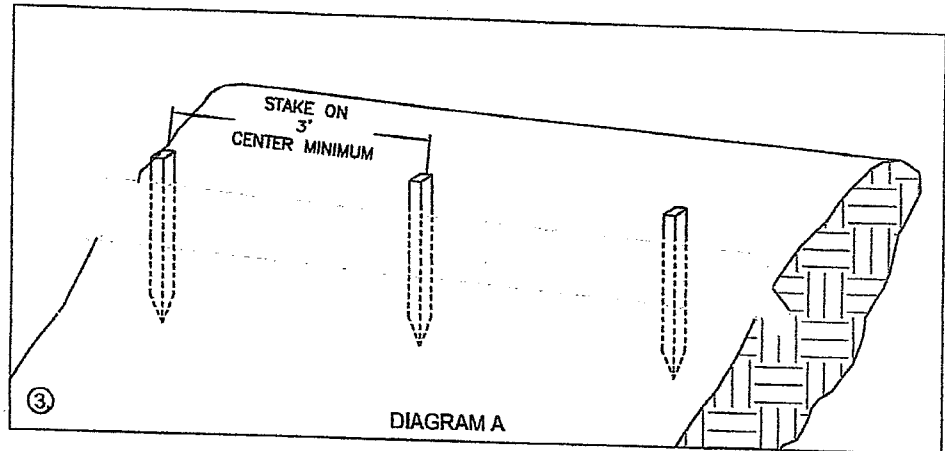
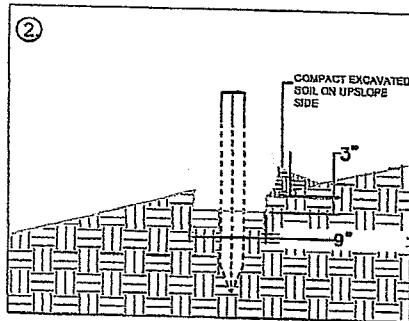
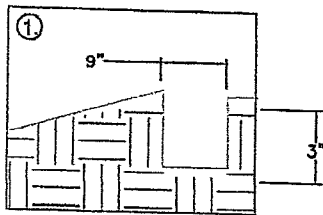
Wetland hydrology present: Yes

Hydric soil present: Yes

Other indicators of hydrology present: Shallow Root Systems


Sample location is in a BVW: YES

# STRAW WATTLE INSTALLATION GUIDE



1. BEGIN AT THE LOCATION WHERE THE WATTLE IS TO BE INSTALLED BY EXCAVATING A 2-3" (5-7.5 CM) DEEP X 9" (22.9 CM) WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UPSLOPE FROM THE ANCHOR TRENCH.
2. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE. ADJACENT WATTLES SHOULD OVERLAP BY 12" AND SECURED.
3. SECURE THE WATTLE WITH 18-24" STAKES EVERY 3-4' AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE LEAVING AT LEAST 2-3" OF STAKE EXTENDING ABOVE THE WATTLE. STAKES BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.



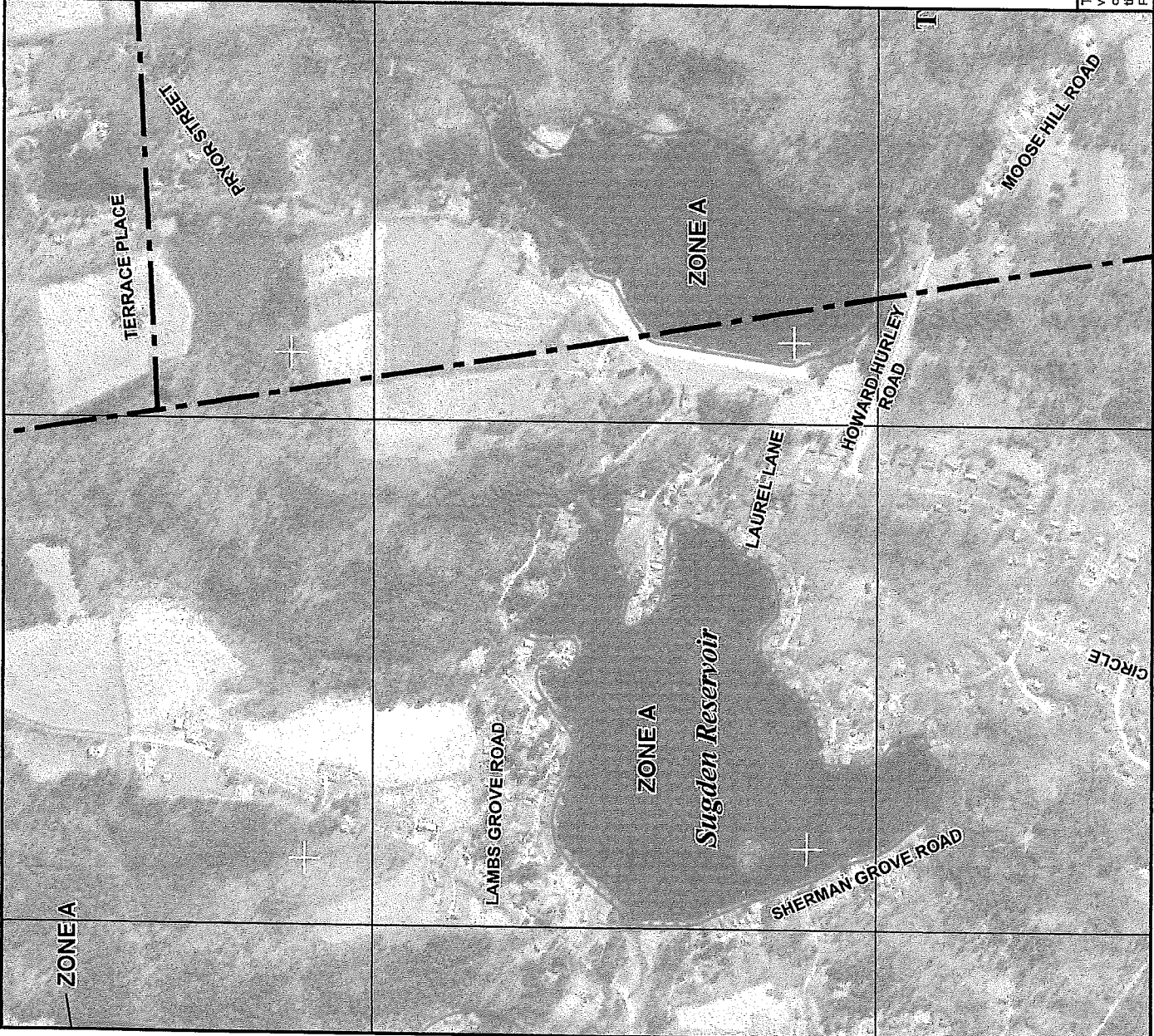


**MAP SCALE 1" = 1000'**

500 0 1000 2000

FEET

METERS



**FIRM**

**FLOOD INSURANCE RATE MAP**

**WORCESTER COUNTY,**

**MASSACHUSETTS**


**(ALL JURISDICTIONS)**

**PANEL 590 OF 1075**

**(SEE MAP INDEX FOR FIRM PANEL LAYOUT)**

CONTAINS:	COMMUNITY	NUMBER	PANEL	SUFFIX
LEICESTER, TOWN OF	250313	0590	E	
OXFORD, TOWN OF	250324	0590	E	
PAXTON, TOWN OF	250326	0590	E	
SPENCER, TOWN OF	250335	0590	E	

**Notice to User:** The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



**MAP NUMBER**

**25027C0590E**

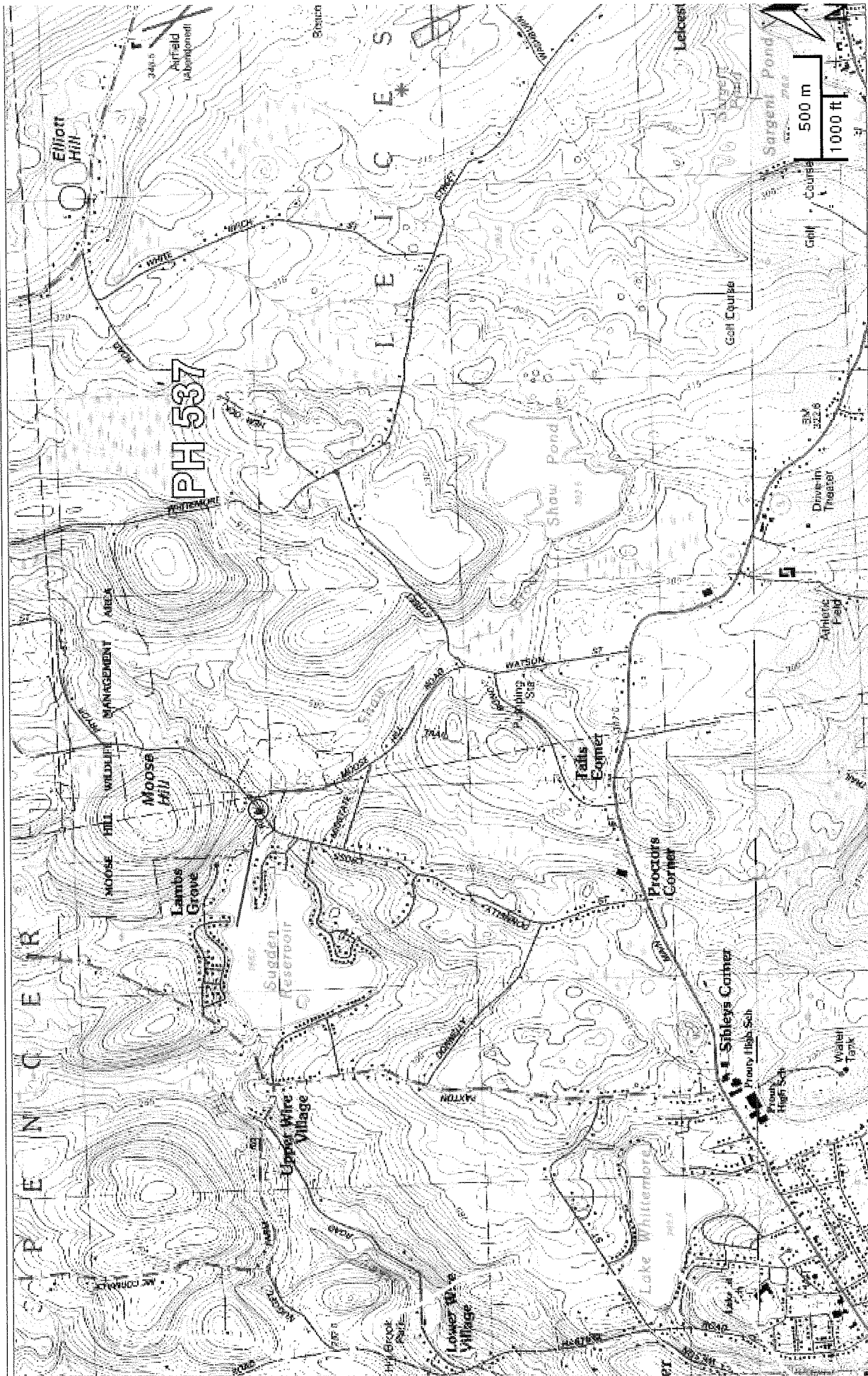
**EFFECTIVE DATE**

**JULY 4, 2011**

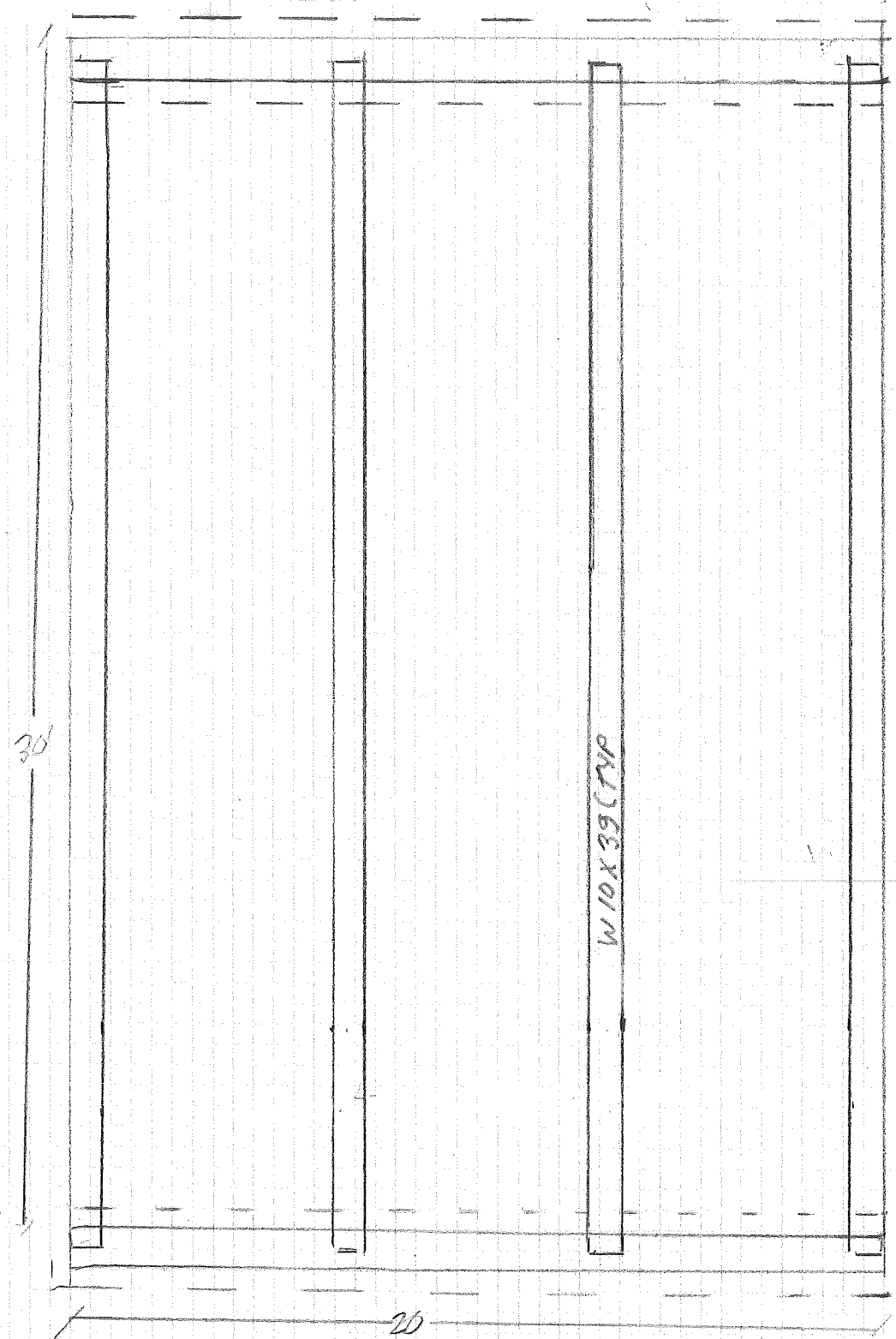
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.nsc.fema.gov](http://www.nsc.fema.gov)

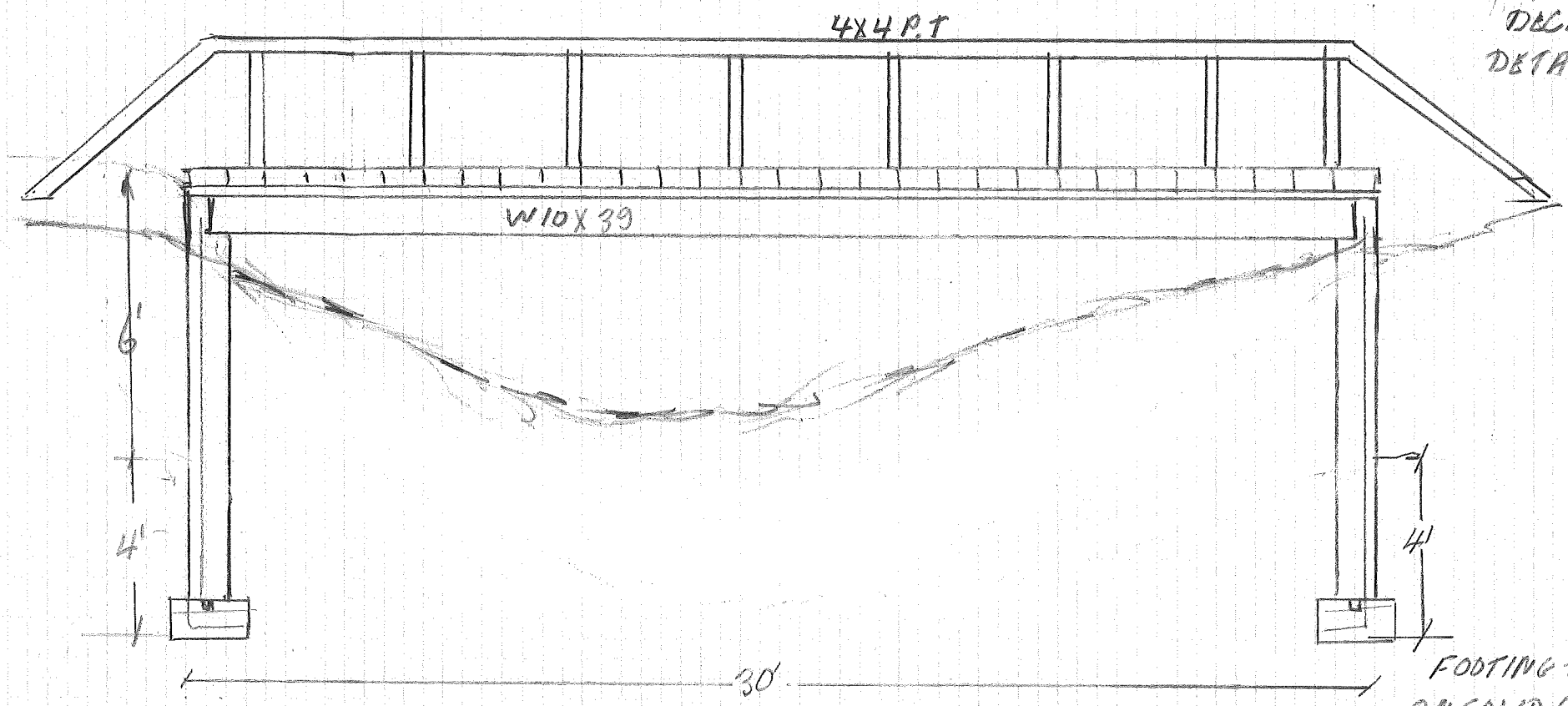
MOOSE HILL ROAD



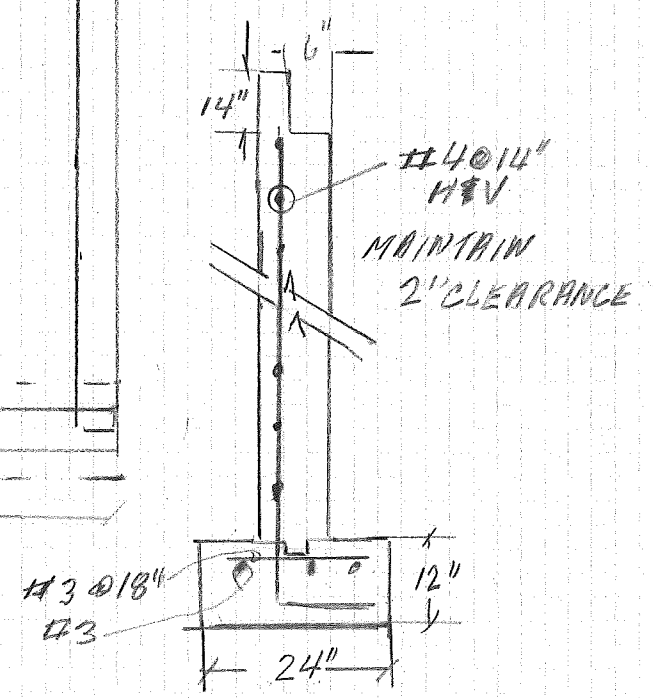
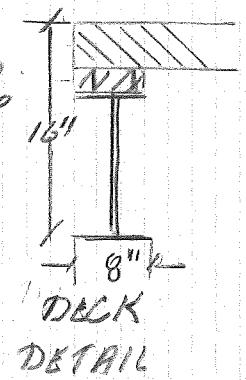




PLAN VIEW

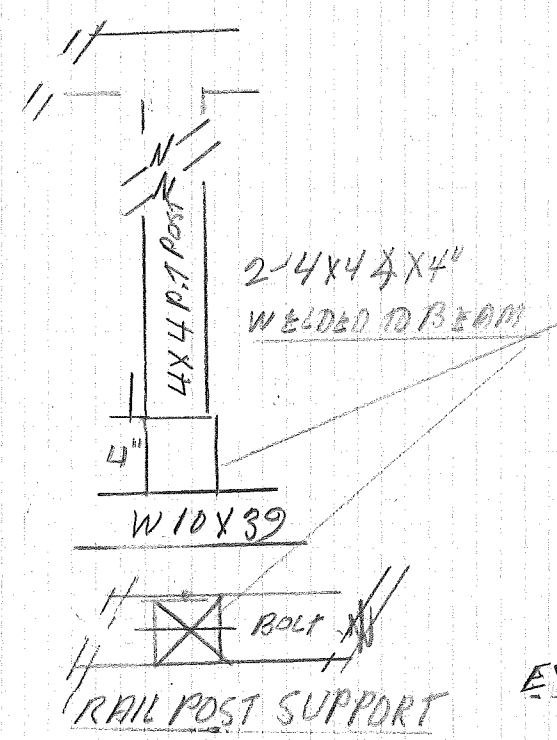


3X12 PLANK  
2X8 SLEEPER  
CONNECTED @ 24" STAGGERED  
W LARRAGE BOLTS  
W10X39 BEAM



WALL DETAIL

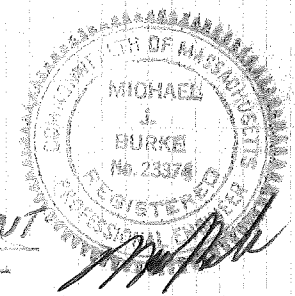
F<sub>2</sub> 40RSL F<sub>4</sub> 60RSL  
1" = 2'



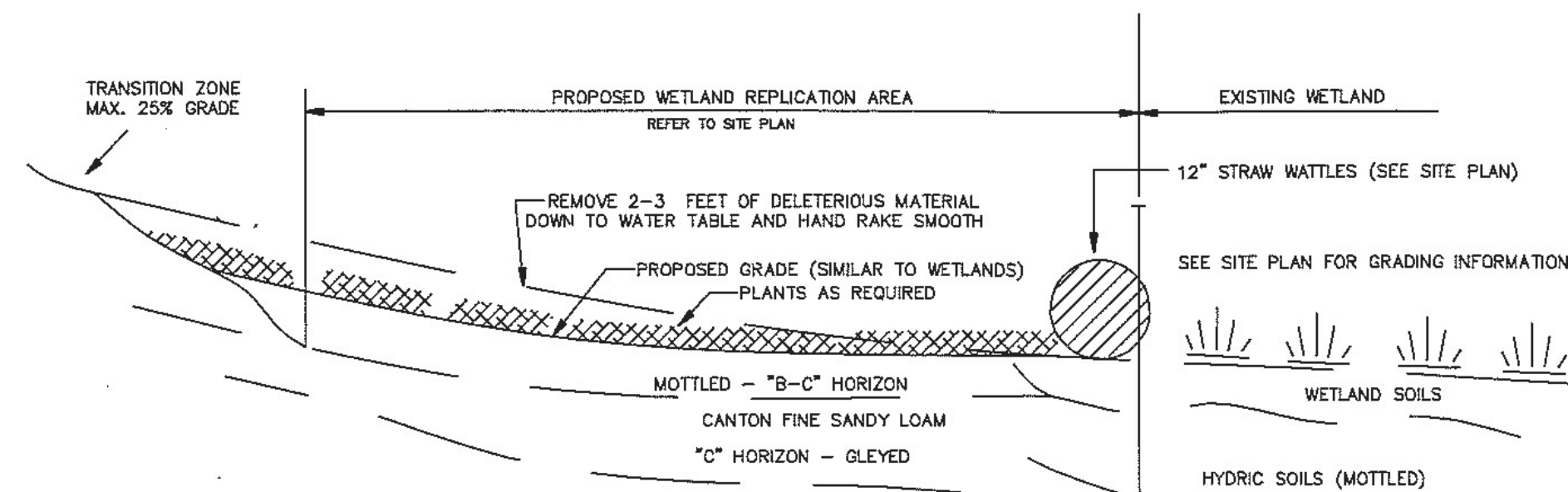
CONSTRUCTION SEQUENCE  
INSTALL EROSION CONTROL  
REMOVE EXISTING BRIDGE  
INSTALL FOOTINGS  
INSTALL CONC. WALLS  
DEWATER AS NECESSARY WITH  
USE OF DEWATERING BAGS OF EQUIVALENT  
INSTALL BRIDGE DECKING  
CLEAN-UP

EXISTING BRIDGE REPLACEMENT

BURKE ENGINEERING SERVICES  
299 SALISBURY ST. WORCESTER MA 01609  
1" = 4' 7/28/11 508-795-7195







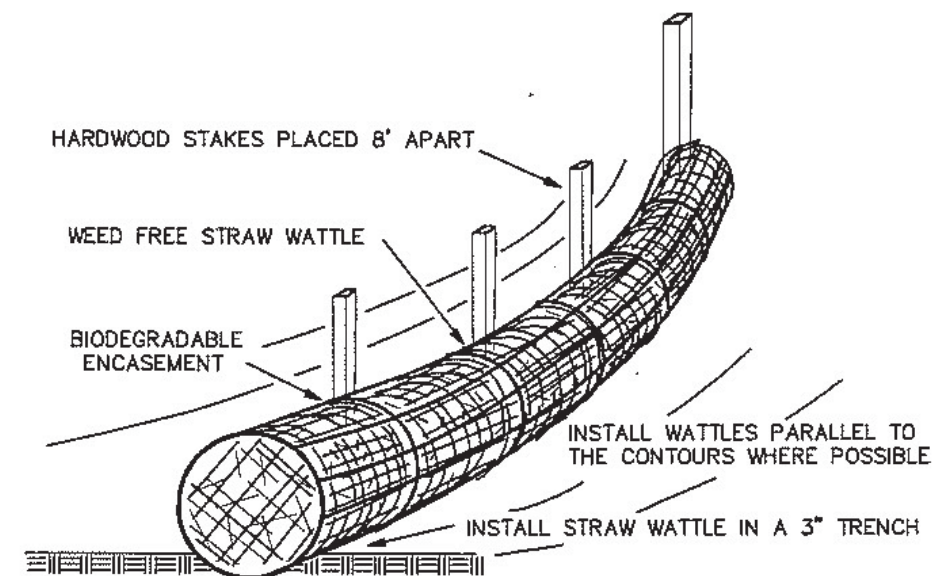
TOTAL WETLAND FILL = 2,000 SQUARE FEET  
TOTAL WETLAND REPLICATION = 2,500 SQUARE FEET

### WETLAND REPLICATION DETAIL SECTION N.T.S.

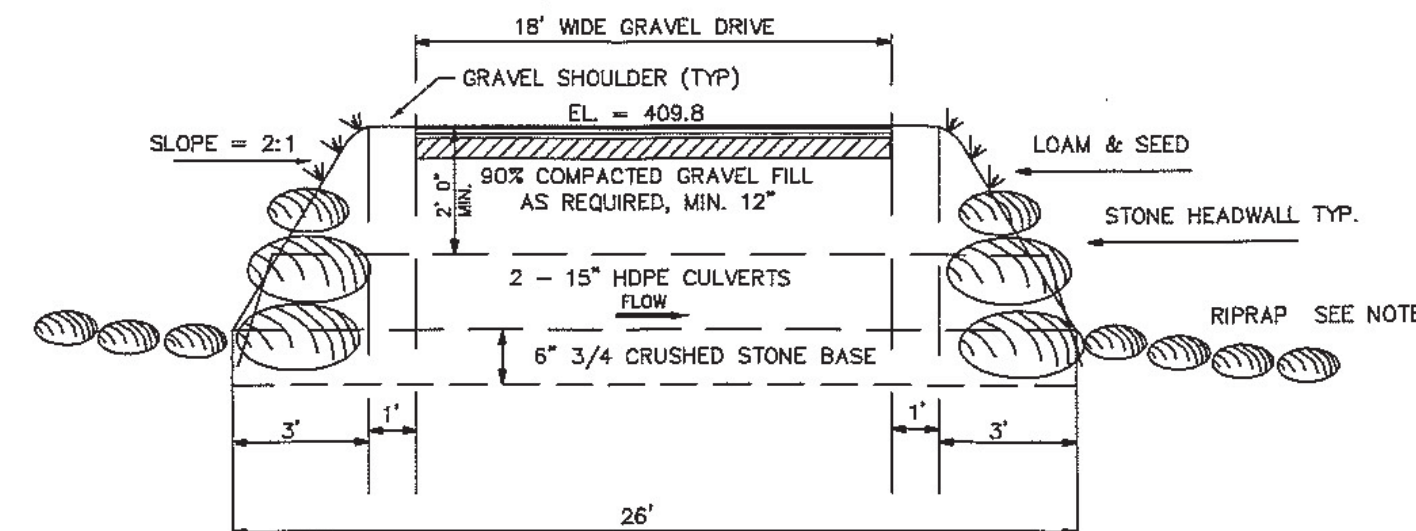
### WETLANDS REPLICATION

#### PLANT LIST & SPECIFICATIONS Dominant Species

SHRUBS			
Highbush Blueberry	18"	6 Req.	
Winterberry Holly	24"	5 Req.	
Witchazel	24"	4 Req.	
Conservation Seed Mix	1/2 Pound		

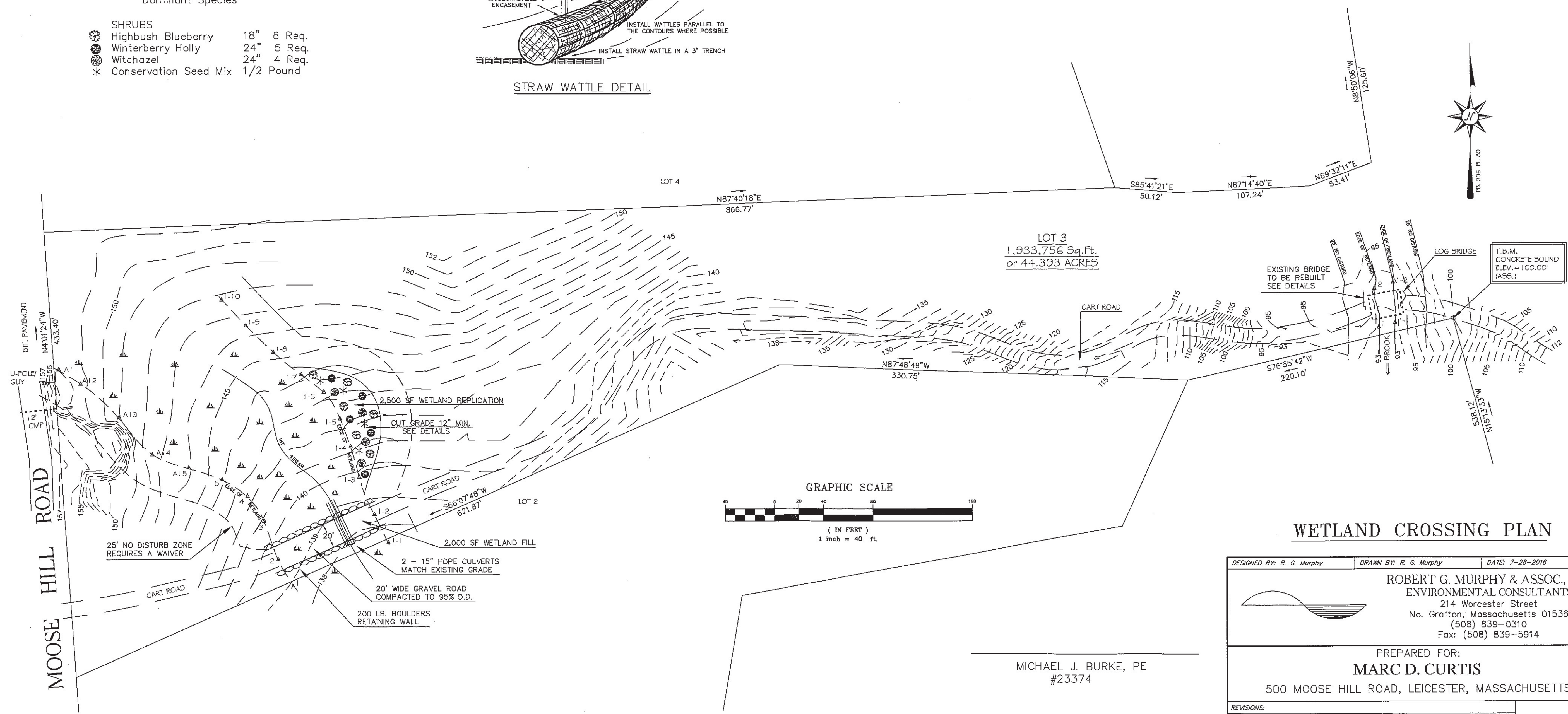
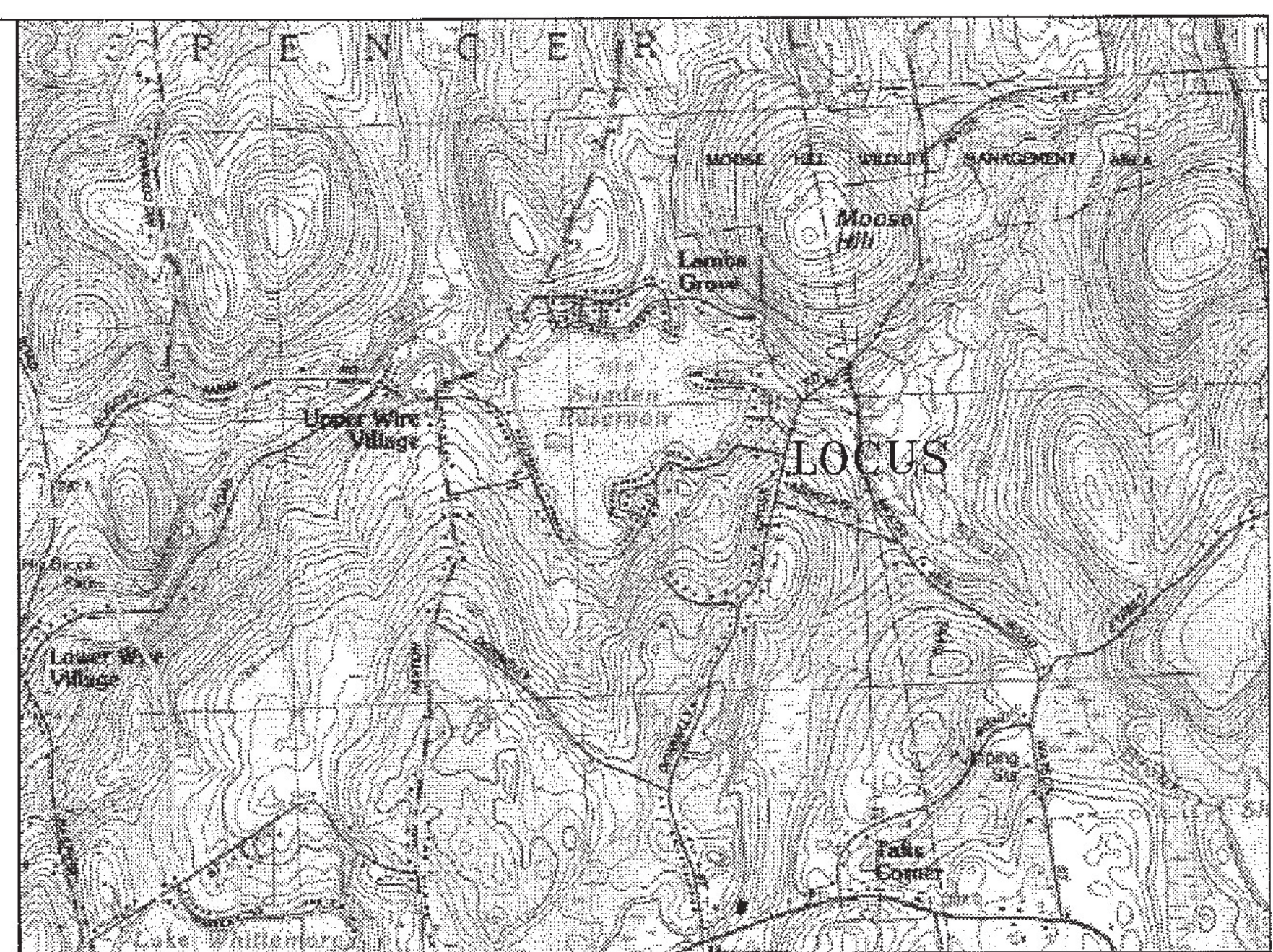


### STRAW WATTLE DETAIL



### DRIVEWAY PROFILE N.T.S.

NOTE:  
ALL RIP RAP IS TO BE 10LB. MIN. MIXED  
WITH LARGE STONES, MA SPEC. N 2.02.D  
WRAPPED IN WIRAFI 140N OR EQUAL FABRIC.  
ALL VOIDS ARE TO BE PACKED WITH 2" STONE.  
RIP RAP TO BE 12" DEEP MIN.



### WETLAND CROSSING PLAN

DESIGNED BY: R. G. Murphy	DRAWN BY: R. G. Murphy	DATE: 7-28-2016
<b>ROBERT G. MURPHY &amp; ASSOC., INC.</b> ENVIRONMENTAL CONSULTANTS 214 Worcester Street No. Grafton, Massachusetts 01536 (508) 839-0310 Fax: (508) 839-5914		
PREPARED FOR: <b>MARC D. CURTIS</b> 500 MOOSE HILL ROAD, LEICESTER, MASSACHUSETTS		
REVISIONS:	DEP #	

MICHAEL J. BURKE, PE  
#23374