

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

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):

111 HUNTOON HIGHWAY, LOT "A"

a. Street Address

LEICESTER

b. City/Town

01524

c. Zip Code

Latitude and Longitude:

42° 12' 17" N

d. Latitude

71° 54' 07" W

e. Longitude

44

f. Assessors Map/Plat Number

B6.0

g. Parcel /Lot Number

2. Applicant:

KEVIN

a. First Name

MENARD

b. Last Name

c. Organization

447 RAWSON STREET

d. Street Address

LEICESTER

e. City/Town

MA

f. State

01524

g. Zip Code

508-736-8280

h. Phone Number

508-839-5914

i. Fax Number

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):

ROBERT

a. First Name

MURPHY

b. Last Name

R. G. MURPHY & ASSOCIATES, INC., ENVIRONMENTAL CONSULTANTS

c. Company

214 WORCESTER STREET

d. Street Address

NORTH GRAFTON

e. City/Town

MA

f. State

01536

g. Zip Code

508-839-0310

h. Phone Number

508-839-5914

i. Fax Number

Rgmenviron@verizon.net

j. Email address

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

1050.00

a. Total Fee Paid

512.50

b. State Fee Paid

537.50

c. City/Town Fee Paid



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City/Town

A. General Information (continued)

6. General Project Description:

DEVELOP A COMMERCIAL BUILDING WITHIN THE BUFFER ZONE OF BORDERING VEGETATED WETLANDS. DEVELOPMENT OF PARKING AREA REQUIRES FILLING 4,000 SQUARE FEET OF BVW. AREA WAS ALTERED BY PREVIOUS CLEARING ACTIVITY.

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 checked="" 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 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)

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 SOUTH

a. County

55293

c. Book

b. Certificate # (if registered land)

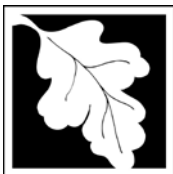
337

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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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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LEICESTER

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 type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input checked="" type="checkbox"/> Bordering Vegetated Wetland	4000 1. square feet	5000 2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet 3. cubic feet of flood storage lost	2. square feet 4. cubic feet 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:

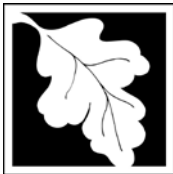
a. total square feet _____ b. square feet within 100 ft. _____ c. square feet between 100 ft. and 200 ft. _____

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.



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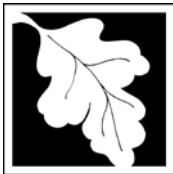
City/Town

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.

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. <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



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

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Document Transaction Number

LEICESTER

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.

- 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

9-01-2016

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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WPA Form 3 – Notice of Intent

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LEICESTER

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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).
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; 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:

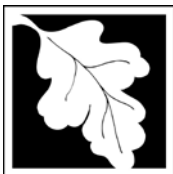
South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

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

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

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.



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

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

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.

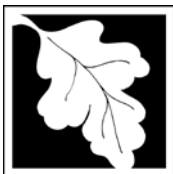
D. Additional Information

- ☐ 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.



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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.

SITE PLAN for KEVIN MENARD, LOT A, 111 HUNTOON HIGHWAY

a. Plan Title

ROBERT G. MURPHY & ASSOCIATES

MICHAEL J. BURKE

b. Prepared By

c. Signed and Stamped by

9-09-2016

1" = 20'

d. Final Revision Date

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.

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

9-10-2016

3. Check date

4. State Check Number

9-10-2016

5. Check date

KEVIN

MENARD

6. Payor name on check: First Name

7. Payor name on check: Last Name



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

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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

9-10-2016

2. Date

3. Signature of Property Owner (if different)

4. Date

9-10-2016

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:

111 HUNTOON HIGHWAY, LOT A

a. Street Address

LEICESTER

b. City/Town

\$512.50

d. Fee amount

c. Check number

2. Applicant Mailing Address:

KEVIN

a. First Name

MENARD

b. Last Name

c. Organization

447 RAWSON STREET

d. Mailing Address

LEICESTER

e. City/Town

MA

f. State

01524

g. Zip Code

508-736-8280

h. Phone Number

508-839-5914

i. Fax Number

RGMENTVIRON@VERIZON.NET

j. Email Address

3. Property Owner (if different):

SAME

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).

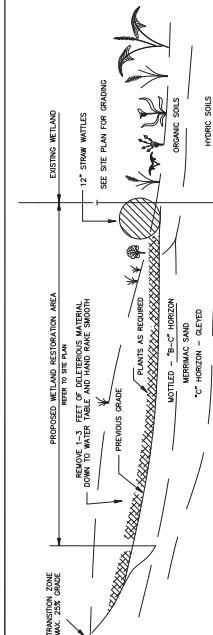


Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
COMMERCIAL BUILDING	1	\$1050.00	\$1050.00
Step 5/Total Project Fee:			\$1050.00
Step 6/Fee Payments:			
Total Project Fee:			\$1050.00
State share of filing Fee:			\$512.50
City/Town share of filling Fee:			\$537.50

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.

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.

noifeetf.doc • Wetland Fee Transmittal Form • rev. 10/11



WETLAND REPLICATION DETAIL SECTION
 TOTAL WETLAND FILL = 4,000 SQUARE FEET
 TOTAL WETLAND REPLICATION = 5,000 SQUARE FEET

WETLANDS REPLICATION - BORDERING VEGETATED WETLAND

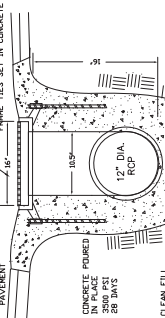
PLANT LIST & SPECIFICATIONS
 Dominant Species

SHRUBS	Highbush Blueberry	Vaccinium corymbosum	18"	10 Req.
	Winterberry Holly	Ilex verticillata	24"	8 Req.
TREES	Red Maple	Acer rubrum	2" col.	6 Req.
EOBBS	Conservation Seed Mix	Various Grasses		

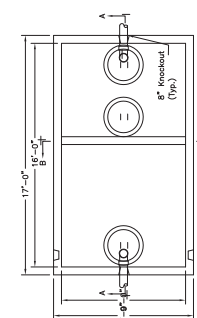
NOTES

- All plants are to be locally grown to insure hardiness for the New England zone.
- The use of hay as a mulch in the replication areas is to be avoided to reduce the introduction of unwanted vegetation. Sphagnum moss with a conservation seed mix is to be used.
- Where possible, Winterberry Holly may be transplanted from the wetlands fill area.
- All plant materials are to be guaranteed for a minimum of one growing season.
- No commercial fertilizers or pesticides are to be used within the replication area.
- Replication of wetland resource area is to be done in unison with the filling of the existing wetland area in order to utilize the hydric soils.

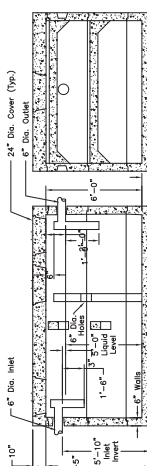
NOTES:
 1. Concrete: 5,000 P.S.I.
 2. Minimum Strength @ 28 Days
 3. Steel Reinforcing- ASTM A-615, Grade 60.
 4. Cover to Steel-1" Minimum
 5. Trunks are Designed to Meet ASTM C888 and ACI 318 with ASH-TO HS-20 Loading
 6. Earth Cover -0 to 5 Feet Max.
 7. Construction Joint-Sealed with 1" Dia Buyl Rubber or Equivalent



"ECONODRAIN" TRENCH DRAIN
 DISTRIBUTED BY LEMMON TRENDRY, INC.
 SEE MANUFACTURER'S SPECIFICATIONS



PLAN VIEW

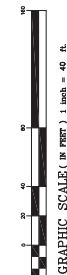
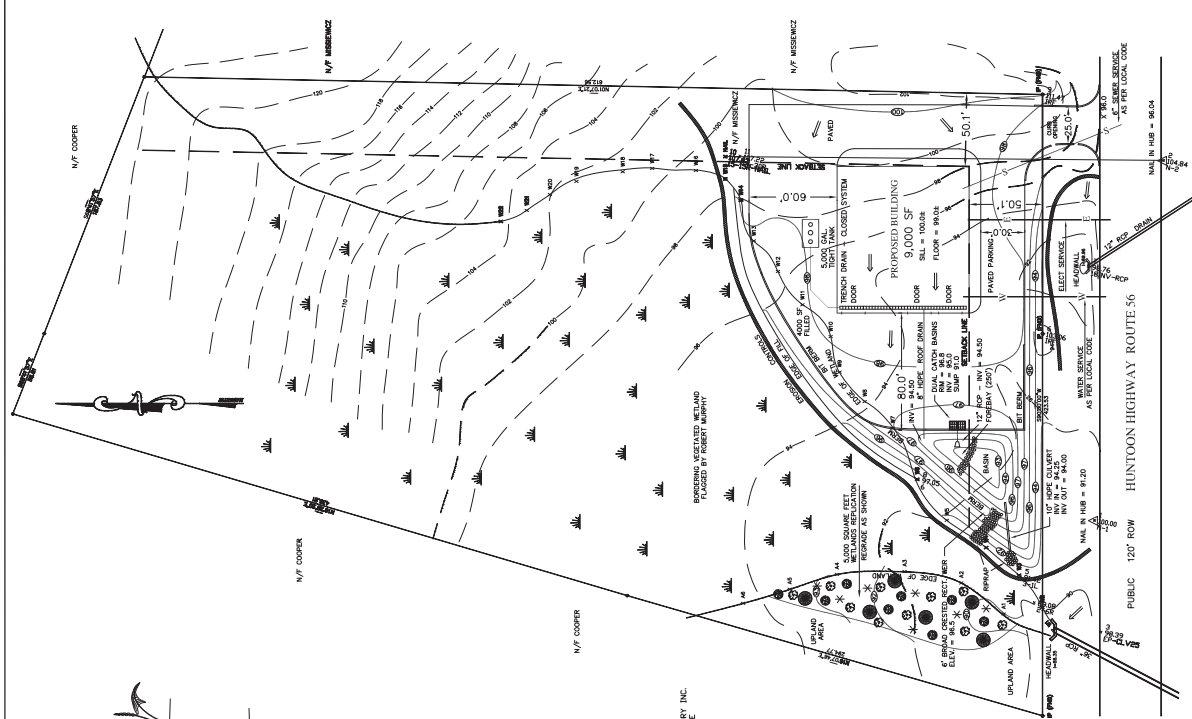


SECTION A-A

5000 GAL TANK
 HS-20 Loading
 SCALE 1/4" = 1'-0"

SECTION B-B

5000 GAL TANK
 HS-20 Loading
 SCALE 1/4" = 1'-0"



KEVIN J. MENARD, 111 HUNTON HIGHWAY
 LEICESTER, MASSACHUSETTS

REPLICATION OF BORDERING VEGETATED WETLANDS

The following is a list of the procedures for the replication of the Wetland Resource Area located at 111 Hunton Memorial Highway, Leicester MA.

- The contractor and all subcontractors are to be made aware of the order of conditions as issued by the Leicester Conservation Commission and its regulations applicable to this project. DEP File #197-0
- During the course of the replication project it may become necessary to alter the specifications due to the presence of unforeseen conditions. If this situation should occur, the Leicester Conservation Commission and the D.E.P. Central Region are to be notified of the needed alterations.
- Prior to the commencement of replication within the resource areas, the required erosion control structures are to be installed as shown on the site plans and details. Site specific conditions require the need to protect the access areas to the restoration site.
- All heavy construction equipment is to be located outside of the resource areas. Special care is to be taken to avoid the spillage of petroleum based fluids and oils. All equipment used in the operation of the construction equipment. All refueling of the construction equipment is to be done outside of the buffer zone area.
- All fill materials are to be removed from the replication area to a base of compacted subgrade. The existing wetland soil is to be protected from damaging the existing lower slopes. Large trees in the direct vicinity may be saved by protecting the roots. The intent is to locate the previous organic soil layer and restore it to its original condition. The contractor is to water the soil and maintain the soil moisture to assist the regeneration of the remaining root mass. Refer to the Replication Detail.
- The Construction Sequence for the Replication Area is to follow Section 3.0 of the D.E.P. Wetland Replication Guidelines in order to assure the success of the replication project. The site is to be monitored for a two year period to insure the success of the plant materials and to remove unwanted invasive species. The applicant is responsible to water the replication area during the first growing season as necessary.
- In the event that an adequate amount of wetland soils are not readily available to complete the amount of replication which has been designated, alternate soils are to be supplemented for this purpose. Additional organic material such as sphagnum peat moss may need to be added to the upper soil horizon.
- Once the soils have been put in place and hand raked to a fairly smooth grade, the entire area is to be covered with a layer of loose (Seedless) hay. At this time the heavy equipment is to no longer be used on the replication area. The hay is to be installed at the upslope side of the replication area to further protect the transplanted species.
- The contractor is to display good judgment when working near the existing wetland area. The replication area is to be performed in the restoration area during periods of heavy rainfall.
- The contractor is to notify the Leicester Conservation Commission once the regulated construction has been completed. Upon approval of the work, the contractor is to file the project with the Leicester County Registry of Deeds.

SHEET 2 OF 2

DESIGNED BY: RGM DRAWN BY: RGM DATE: SEPT. 14, 2016
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WETLAND REPLICATION PLAN
 KEVIN J. MENARD
 111 HUNTON HIGHWAY, LEICESTER, MA

REVISIONS: DEP #197-0000

MICHAEL J. BURKE, PE DATE