

**NEW ENGLAND POWER COMPANY**  
**Central to Western MA Energy Improvement Project**  
**E5/F6 Transmission Lines Soil Boring Program**

**Notice of Intent**

**Leicester, MA**  
**Conservation Commission**  
**February 2024**

Prepared for:  
New England Power Company  
170 Data Drive  
Waltham, MA 02451

BSC Project No. 89599.46

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FEBRUARY 27, 2024

Leicester Conservation Commission  
3 Washburn Square  
Leicester, MA 01524

**RE: Notice of Intent  
Central to Western MA Energy Improvement Project  
E5/F6 Transmission Lines Soil Boring Program  
Leicester, Massachusetts  
New England Power Company**

Dear Members of the Leicester Conservation Commission:

BSC Group, Inc. (BSC) is filing this Notice of Intent (NOI) on behalf of the New England Power Company (NEP) for activities associated with exploratory geotechnical soil borings along the E5/F6 Transmission Lines Right-of-Way (ROW) in Leicester, Massachusetts (the Project). The proposed borings are necessary for the planning and design of future improvements to the lines. This NOI is being submitted in accordance with the Massachusetts Wetlands Protection Act (M.G.L. Ch.131, S.40) (WPA), its implementing regulations (310 CMR 10.00) and the Leicester Wetlands Protection Bylaw (Chapter 14) and its implementing regulations.

Project activities subject to review under the WPA and the Leicester Bylaw include seven (7) soil borings at the following Structures and locations: Structures 100 and 101 off of Pine Street, two (2) soil borings by Structure 88 off Peter Salem Road, Structure 84 off of Henshaw Street, Structure 79 off of Boutilier Road, and Structure 74 off of Stafford Street. Project activities will be located within an existing, managed ROW and along historically used access. Activities will be located within Bordering Vegetated Wetlands (BVW), the 200-foot Riverfront Area (RFA) associated with Burncoat Brook, the 100-foot Buffer Zone to BVW/Inland Bank, and the locally regulated 25-foot No Disturb Zone. Refer to **Attachment B** for the Site Locus Map and Environmental Resource Map showing the locations of the borings and resource areas.

Temporary construction mats will be used within wetlands to create a stable travel and work surface area. Trimming and mowing of vegetation may also be required to facilitate access. Although the Project will result in temporary impacts to BVW and RFA, the areas will be restored, and no permanent wetland impacts are anticipated. Grading and boulder removal is required to facilitate access and provide a stable work area at the boring locations at Structure 84, 79 and 74 within the 100-ft Buffer Zone.

Due to the nature and purpose of the proposed activities, there are no practical alternatives to the Project. However, no adverse impacts to wetland resource areas or values protected by the WPA are anticipated. Construction mats associated with utility projects are regulated by the Comprehensive Water Quality Certification for Utility Maintenance (Transmittal #23-WW10-0008-APP), between National Grid and the Massachusetts Department of Environmental Protection ("MassDEP"), which provides permit coverage under the 401 Water Quality Certification Program. As

such, and as requested by MassDEP, construction mats are not included in the attached WPA Form 3. However, the approximate square footage of temporary impacts is included for reference within the enclosed Project Narrative.

This Project qualifies as a Limited Project in accordance with the WPA regulations (310 CMR 10.53(3)(d)) which allows for the "construction, reconstruction, operation and maintenance of... overhead public utilities..." provided there are no alternatives, best available measures are used to minimize adverse effects during construction, and that vegetation and existing grades are restored. Best Management Practices (BMPs), including sediment and erosion controls, will be implemented during construction, further minimizing the likelihood of adverse impacts to resource areas. NEP has performed an analysis of alternatives, and the Project has been designed to avoid and minimize adverse impacts to wetland resource areas to the greatest extent practicable. Therefore, this NOI serves as a request for an Order of Conditions and a waiver from the 25-ft No Disturb Zone under Section IV(B) of the Leicester Bylaw for the activities described herein.

We respectfully request that this matter be heard at the next scheduled Conservation Commission hearing. A copy of this application has also been sent to the Central Regional Office of the Department of Environmental Protection (via eDEP). If you have any questions regarding the enclosed information, please contact me at (617) 896-4341 or Michael Tyrrell of New England Power Company at (603) 801-4140. Thank you for your consideration in this matter.

Thank you,  
BSC Group, Inc.



Carolyn Gorss  
Ecological Project Manager, BSC group, Inc.

cc: Michael Tyrrell, New England Power Company  
MassDEP Central Regional Office  
Leicester Select Board  
Leicester Planning Board  
Leicester Board of Appeals  
Leicester Board of Health  
Leicester Agricultural Commission  
Leicester Town Engineer  
Leicester Building Inspector

Enclosed:

	WPA Form 3 Checklist
	Copy of filing fee checks
<b>Attachment A:</b>	Project Narrative
<b>Attachment B:</b>	USGS Locus Map & Environmental Resources Map
<b>Attachment C:</b>	Site Photographs
<b>Attachment D:</b>	Certified List of Abutters, Abutters Notification Letter
<b>Attachment E:</b>	National Grid's BMPs (EG-303NE)

# Table of Contents

Central to Western MA Energy Improvement Project  
E5/F6 Transmission Lines Soil Boring Program  
Leicester, Massachusetts  
Notice of Intent

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WPA FORM 3	NOTICE OF INTENT FORM COPY OF FILING FEE CHECKS
ATTACHMENT A	PROJECT NARRATIVE
ATTACHMENT B	USGS SITE LOCUS MAP ENVIRONMENTAL RESOURCES MAP
ATTACHMENT C	SITE PHOTOGRAPHS
ATTACHMENT D	CERTIFIED ABUTTERS LIST ABUTTER NOTIFICATION LETTER
ATTACHMENT E	NATIONAL GRID'S BEST MANAGEMENT PRACTICES

# **COPY OF FILING FEE CHECKS**



**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):

E5/F6 Transmission Lines Right-of-Way (ROW)

a. Street Address

Latitude and Longitude:

see attached

f. Assessors Map/Plat Number

Leicester

b. City/Town

From: 42.221901°N

To: 4.212420°N

see attached

g. Parcel /Lot Number

01453

c. Zip Code

From: 71.938388°W

To: 71.878915°W

2. Applicant:

Michael

a. First Name

Tyrrell

b. Last Name

New England Power Company (NEP)

c. Organization

170 Data Drive

d. Street Address

Waltham

e. City/Town

(603) 801-4140

h. Phone Number

i. Fax Number

MA

f. State

02451

g. Zip Code

michael.tyrrell@nationalgrid.com

j. Email Address

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

NEP has easement rights

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):

Carolyn

a. First Name

Gorss

b. Last Name

BSC Group, Inc.

c. Company

One Mercantile Street, Suite 610

d. Street Address

Worcester

e. City/Town

617-896-4341

h. Phone Number

i. Fax Number

MA

f. State

01608

g. Zip Code

cgorss@bscgroup.com

j. Email address

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

\$750.00

a. Total Fee Paid

\$362.50

b. State Fee Paid

\$387.50

c. City/Town Fee Paid



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**WPA Form 3 – Notice of Intent**

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

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**A. General Information (continued)**

6. General Project Description:

NEP is proposing to conduct exploratory soil borings for planning and design purposes, associated with future improvements to the E5/F6 transmission lines. Borings and access will be within BVW, 200-foot RFA associated with Burncoat Brook, and the 100-ft Buffer Zone. Work pad and/or access grading and boulder removal is proposed within the 100-ft Buffer Zone for two (2) boring locations.

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 checked="" 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)  
310 CMR 10.53(3)(d) which allows the "...construction, reconstruction, operation and maintenance of underground and overhead public utilities..."

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 North

a. County

See attached

c. Book

b. Certificate # (if registered land)

See attached

d. Page Number

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

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

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



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

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**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	<1 (temporary) 1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet

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 checked="" type="checkbox"/> Riverfront Area	Burncoat Brook-inland 1. Name of Waterway (if available) - <b>specify coastal or inland</b>	

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: ~858,6000  
square feet

4. Proposed alteration of the Riverfront Area:

<u>&lt;1 (temporary)</u>	<u>&lt;1 (temporary)</u>	<u>0</u>
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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**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 _____	
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. ☐ Project Involves Stream Crossings

a. number of new stream crossings \_\_\_\_\_

b. number of replacement stream crossings \_\_\_\_\_



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**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**

August 2021

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 <https://www.mass.gov/ma-endangered-species-act-mesa-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 <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).

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, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; 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@mass.gov](mailto:dmf.envreview-south@mass.gov)

Division of Marine Fisheries -  
North Shore Office  
Attn: Environmental Reviewer  
30 Emerson Avenue  
Gloucester, MA 01930  
Email: [dmf.envreview-north@mass.gov](mailto:dmf.envreview-north@mass.gov)

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.

- c. ☐ Is this an aquaculture project?      d. ☐ Yes    ☐ No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).



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

# **WPA Form 3 – Notice of Intent**

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

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## **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**  
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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.
- |  |                          |
|--|--------------------------|
| Central to Western MA Energy Improvement Project Soil Boring Program |                          |
| a. Plan Title  | N/A                      |
| b. Prepared By   | c. Signed and Stamped by |
| 02/22/2024   | 1" = 100'                |
| d. Final Revision Date   | e. Scale                 |
| USGS Site Locus Map  | 2/22/2024                |
| 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:

3622, 3621	2/26/2024
2. Municipal Check Number	3. Check date
N/A - eDEP payment	2/27/2024
4. State Check Number	5. Check date
BSC Companies, Inc.	
6. Payor name on check: First Name	7. Payor name on check: Last Name



**Massachusetts Department of Environmental Protection**  
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**WPA Form 3 – Notice of Intent**

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

Provided by MassDEP:

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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

2/27/2024

2. Date

3. Signature of Property Owner (if different)

4. Date

5. Signature of Representative (if any)

2/26/2024

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.



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

## A. Applicant Information

### 1. Location of Project:

E5/F6 Transmission Lines Right-of-Way (ROW)

a. Street Address

N/A - eDEP payment

c. Check number

Leicester

b. City/Town

\$362.50

d. Fee amount

### 2. Applicant Mailing Address:

Michael

a. First Name

Tyrrell

b. Last Name

New England Power Company (NEP)

c. Organization

170 Data Drive

d. Mailing Address

Waltham

e. City/Town

MA

f. State

02451

g. Zip Code

(603) 801-4140

h. Phone Number

i. Fax Number

michael.tyrrell@nationalgrid.com

j. Email Address

### 3. Property Owner (if different):

NEP has easement rights

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.



**Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands

# NOI Wetland Fee Transmittal Form

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

### B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category 2e + 1.5x RFA Modifier	1	\$500 x 1.5	\$750.00
Step 5/Total Project Fee:			\$750.00

### Step 6/Fee Payments:

Total Project Fee:	<u>\$750.00</u>
	a. Total Fee from Step 5
State share of filing Fee:	<u>\$362.50</u>
	b. 1/2 Total Fee <b>less</b> \$12.50
City/Town share of filling Fee:	<u>\$387.50</u>
	c. 1/2 Total Fee <b>plus</b> \$12.50

### C. Submittal Requirements

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

Department of Environmental Protection  
Box 4062  
Boston, MA 02211

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

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



**RE: WPA Form 3 Section A.8**

Boring ID#s	Parcel ID	Closest Cross Road	Book, Page of Easement
B-101	40 B3 0	Pine Street	2020, 47
B-100	40 B3.3 0		
B-88A	30 A6 0	Peter Salem Road	2020, 27
B-88B	30 A7 0		Fee Owned: 4133, 318
B-84	31 B23 0	Henshaw Street	2020, 486
B-79	36 A1.3 0	Boutlier Road	2020, 257
B-74	36 B2 0	Stafford Street	2020, 28

**BSC COMPANIES, INC.**

803 SUMMER STREET  
BOSTON, MASSACHUSETTS 02127

3622

DATE 2/26/24

  
53-179/113

PAY  
TO THE  
ORDER OF

 Eastern Bank

Boston, MA 02110  
easternbank.com  
1-800-EASTERN

FOR 100181.00-23

TWO SIGNATURES REQUIRED OVER \$2,500  
NOT VALID AFTER 180 DAYS

\$ 387.50



Security Features Details on back

**BSC COMPANIES, INC.**  
803 SUMMER STREET  
BOSTON, MASSACHUSETTS 02127

3621

DATE 2/26/24

  
53-179/113

PAY  
TO THE  
ORDER OF

 Eastern Bank

Boston, MA 02110  
easternbank.com  
1-800-EASTERN

FOR 100181.00-23

TWO SIGNATURES REQUIRED OVER \$2,500  
NOT VALID AFTER 180 DAYS

\$ 90.63



Security Features Details on back

# Attachment A

Central to Western MA Energy Improvement Project  
E5/F6 Transmission Lines Soil Boring Program  
Leicester, Massachusetts  
Notice of Intent

PROJECT NARRATIVE

## **1 INTRODUCTION**

BSC Group, Inc. (BSC) is filing this Notice of Intent (NOI) on behalf of the New England Power Company (NEP) for activities associated with exploratory geotechnical soil borings along the E5/F6 Transmission Lines Right-of-Way (ROW) in Leicester, Massachusetts (the Project). The proposed borings are necessary for the planning and design of future improvements to the lines. This NOI is being submitted in accordance with the Massachusetts Wetlands Protection Act (M.G.L. Ch.131, S.40)(WPA), its implementing regulations (310 CMR 10.00) and the Leicester Wetlands Protection Bylaw (Chapter 14) and its implementing regulations.

Project activities subject to review under the WPA and the Leicester Bylaw include seven (7) soil borings at the following Structures and locations: Structures 100 and 101 off of Pine Street, two (2) soil borings by Structure 88 off Peter Salem Road, Structure 84 off of Henshaw Street, Structure 79 off of Boutillier Road, and Structure 74 off of Stafford Street. Project activities will be located within an existing, managed ROW and along historically used access. Activities will be located within Bordering Vegetated Wetlands (BVW), the 200-foot Riverfront Area (RFA) associated with Burncoat Brook, the 100-foot Buffer Zone to BVW/Inland Bank, and the locally regulated 25-foot No Disturb Zone. Refer to **Attachment B** for the Site Locus Map and Environmental Resource Map showing the locations of the borings and resource areas.

Temporary construction mats will be used within wetlands to create a stable travel and work surface area. Trimming and mowing of vegetation may also be required to facilitate access. Although the Project will result in temporary impacts to BVW, and RFA, the areas will be restored, and no permanent wetland impacts are anticipated. Grading and boulder removal is required to facilitate access and provide a stable work area at the boring locations at Structures 89, 79 and 74 within the 100-ft Buffer Zone.

Due to the nature and purpose of the proposed activities, there are no practical alternatives to the Project. However, no adverse impacts to wetland resource areas or values protected by the WPA are anticipated. Construction mats associated with utility projects are regulated by the Comprehensive Water Quality Certification for Utility Maintenance (Transmittal #23-WW10-0008-APP), between National Grid and the Massachusetts Department of Environmental Protection (“MassDEP”), which provides permit coverage under the 401 Water Quality Certification Program. As such, and as requested by MassDEP, construction mats are not included in the attached WPA Form 3. However, the approximate square footage of temporary impacts is included for reference within the enclosed Project Narrative.

This Project qualifies as a Limited Project in accordance with the WPA regulations (310 CMR 10.53(3)(d)) which allows for the “construction, reconstruction, operation and maintenance of... overhead public utilities...” provided there are no alternatives, best available measures are used to minimize adverse effects during construction, and that vegetation and existing grades are restored. Best Management Practices (BMPs), including sediment and erosion controls, will be implemented during construction, further minimizing the likelihood of

adverse impacts to resource areas. NEP has performed an analysis of alternatives, and the Project has been designed to avoid and minimize adverse impacts to wetland resource areas to the greatest extent practicable. Therefore, this NOI serves as a request for an Order of Conditions and a waiver from the 25-ft No Disturb Zone under Section IV (B) of the Leicester Bylaw for the activities described herein.

## **2 EXISTING CONDITIONS**

Project activities are proposed at structures along the E5/F6 Transmission Lines ROW in Leicester, MA. The ROW is generally oriented northwest to southeast and is currently used for overhead electric utility transmission operations. Vegetation within the ROW is regularly maintained for compatibility with the facilities. The upland and wetland areas within the ROW are dominated by scrub-shrub/herbaceous communities, typical of transmission line ROWs. Dominant land uses adjacent to the ROW primarily include forested land and single-family properties.

### **2.1 Resource Area Summary**

BSC conducted both a Desktop Analysis (using MassGIS data layers, FEMA Firmette, and other publicly available data), and wetland field delineations, to assess permitting requirements pursuant to the WPA. Wetland delineations were conducted in the summer and fall of 2022, in accordance with the methodology described in the MassDEP *Handbook on Delineating Bordering Vegetated Wetlands* (Published in March 1995).

The Environmental Resources Map in **Attachment B** depicts existing conditions, wetland resource areas, and buffer zones, in relation to the proposed activities. Permanent impacts are proposed for grading and boulder removal to improve access and/or work areas for Borings B-84, B-79 and B-74 in 100-foot Buffer Zone to BVW associated with Structure 84, 79, and 74. Temporary impacts are proposed within BVW, RFA, and 100-foot Buffer Zone to BVW.

### **2.2 Bordering Vegetated Wetland (BVW)**

BVW within the E5/F6 ROW is generally a mixture of scrub/shrub and emergent wetland types, typical of managed ROWs. No permanent impacts to BVW are proposed. The borings will result in less than 1 square foot (sf) of temporary impact.

### **2.3 Riverfront Area (RFA)**

The borings at Structure 101 and Structure 100 are located within the inner RFA associated with Burncoat Brook. No permanent impacts to RFA are proposed. The borings will result in less than 1 sf of temporary impact.

#### **2.4     Locally Regulated Buffer Zones**

The Leicester Bylaw recognizes the 100-foot Buffer Zone as a protected resource area and also establishes a 25-foot No Disturb Zone from the edge of BVW and Bank. Temporary and permanent impacts are proposed within these Buffer Zones.

#### **2.5     Other Resource Areas**

Other resource areas identified near the Project area include Zone II Wellhead Protection Area. No other resource areas were identified within or near the Project area, including Certified Vernal Pools, NHESP Priority/Estimated Habitat, Areas of Critical Environmental Concern (ACEC), or Outstanding Resource Waters (ORW).

### **3        PROJECT ACTIVITIES AND ANTICIPATED IMPACTS**

#### **3.1     Summary**

The Project proposes exploratory borings at seven (7) locations along the E5/F6 Transmission Lines requiring temporary wetland matting for work envelope and access within BVW and access road and work area improvement activities. Permanent Project impacts are associated within the improvements of access and work areas associated with Borings B-84, B-79 and B-74. Temporary Project impacts are associated with soil boring activities and the use of construction matting within BVW for access.

#### **3.2     Soil Borings**

The purpose of the borings is to evaluate subsurface conditions for foundation design associated with the future replacement of these structures. A small drill rig will be used to perform the soil borings; each boring hole will be approximately four (4) to six (6) inches in diameter. Each soil boring is typically completed within 1-2 days, further minimizing the likelihood of adverse impacts to resource areas. Soils from the boring hole will be temporarily stored adjacent to the boring location. Within wetlands, soil will be placed on construction mats, underlain with filter fabric. If the soil remains overnight, it will be properly contained (fiber rolls, etc.). Upon completion of the work, bored-out soil will be used to backfill the hole.

#### **3.3     Access Route and Work Area Improvements**

Access roads along the ROW allow NEP and contractor personnel to construct, inspect, and maintain the existing transmission line facilities. After careful planning and field

investigations, NEP has determined that existing and previously used access routes can be utilized to complete the proposed soil boring activities.

In some cases, existing access roads will require maintenance to support the safe passage of soil boring equipment. For example, gravel may be added to provide a stable and level surface for vehicles or minor grading will be conducted to remove boulders and widen the access road up to 12-feet wide for safe passage of a matting truck.

Select locations will require access improvements as described above. Specifically, along the access to B-79 and B-74, boulder removal and grading along the access will be required to allow the safe and stable use of equipment. The work area around the boring location for B-84, B-79 and B-74 will require spot grading to allow for the safe and stable use of equipment. Following grading at the work envelope, disturbed areas will be seeded and stabilized to allow the area to revegetate.

Approximately 1,700 sf of grading is proposed within the work envelop for boring B-84 within the 100-ft Buffer Zone to BVW. Approximately 3,200 square feet (sf) of grading is proposed within the 100-ft Buffer Zone to BVW along the access and work envelope for boring B-79. Approximately 2,500 sf of grading and boulder removal within the 100-ft Buffer Zone to BVW is proposed along the access and work envelope for boring B-74. Work within these areas is largely unavoidable due to the current configuration of the electric utility infrastructure and the need to have a safe access and create a stable area to perform the proposed borings.

Approximately 9,457 square feet of temporary construction mats will be used to provide access through and a stable work area within BVW. No permanent impacts are proposed to BVW. Temporary and permanent impacts to resource areas are described in Table 1 below.

Table 1. Jurisdictional Areas Permanent (P) / Temporary Impacts (T) Summary (sf = square feet)

Boring ID	Activities	Access	BVW	BLSF	RFA	100-ft Buffer Zone to BVW	25-Foot No Disturb Zone
B-101	Soil boring and temporary access	Pine Street	3,961 sf (matting T)	--	<1 sf (soil boring - T)	--	--
B-100	Soil boring work pad	Pine Street	224 sf (matting T)	465 sf (matting T)	<1 sf (soil boring - T)	<1 sf (soil boring - T)	<1 sf (soil boring - T)
B-88A	Soil boring	Peter Salem Road	1,780 sf (matting T)	--	--	--	--
B-88B	Soil boring	Peter Salem Road	550 sf (matting T)	--	--	--	--
B-84	Workpad grading	Henshaw Street	--	--	--	<1 sf (soil boring - T) 1,700 sf (P)	<1 sf (soil boring - T) 766 sf (P)
B-79	Access and workpad improvement	Boutilier Road	--	--	--	<1 sf (soil boring - T) 3,200 sf (P)	732 sf (P)
B-74	Soil boring, access and workpad improvements	Stafford Street	2,942 sf (temporary matting for boring access)	--	--	<1 sf (soil boring - T) 2,500 sf (P)	624 sf (P)



## **4 CONFORMANCE WITH PERFORMANCE STANDARDS OF THE WPA**

The proposed activities meet the performance standards of the WPA at 310 CMR 10.55(4) and 310 CMR 10.58(4). Due to the nature and purpose of the proposed activities, there are no practicable alternatives to the Project. However, no significant adverse impacts to wetland resource areas or values protected by the WPA are anticipated. The project will result in 9,457 square feet of temporary impacts in BVW and less than 0.20 square feet of temporary impact in RFA. BMPs will be implemented to protect resource areas and following the completion of work the areas will be restored to pre-existing conditions.

### **4.1 Limited Project Status**

Although the Project meets the criteria to be considered a Limited Project, as outlined in 310 CMR 10.53(3)(d) which allows for the construction, reconstruction, operation, and maintenance of overhead public utilities that may, under certain circumstances, be permitted without meeting the performance standards of the WPA. Nonetheless, the Project has been designed to meet all applicable performance standards for each affected resource area. In accordance with general condition 310 CMR 10.53(3)(d)2, the proposed Project will implement BMPs to ensure the adjacent resource areas are adequately protected, and impacts to the surrounding area are reduced, minimized, and restored to the maximum extent practicable. Project-specific BMPs are further discussed in Section 5 of the narrative.

### **4.2 Bordering Vegetated Wetland, 310 CMR 10.55**

Activities within BVW include temporary matting for access and a work area, and two (2) soil borings located at Structures 101 and 88A. Work is proposed along historically used access routes and previously disturbed areas around the existing structures.

*[310 CMR 10.55(4)(a)] – Where the presumption set forth in 310 CMR 10.55(3) is not overcome, any proposed work in a Bordering Vegetated Wetland shall not destroy or otherwise impair any portion of said area.*

The Project will not destroy or impair the BVW. No permanent impacts are proposed.

*[310 CMR 10.55(4)(b)] – Notwithstanding the provisions of 310 CMR 10.55(4)(a), the issuing authority may issue an Order of Conditions permitting work which results in the loss of up to 5000 square feet of Bordering Vegetated Wetland when said area is replaced in accordance with the following general conditions and any additional, specific conditions the issuing*

*authority deems necessary to ensure that the replacement area will function in a manner similar to the area that will be lost...*

The Project will not result in a loss of BVW.

*[310 CMR 10.55(4)(c)] – Notwithstanding the provisions of 310 CMR 10.55(4)(a), the issuing authority may issue an Order of Conditions permitting work which results in the loss of a portion of Bordering Vegetated Wetland when...*

The Project will not result in a loss of BVW.

*[310 CMR 10.55(4)(d)] – Notwithstanding the provisions of 310 CMR 10.55(4)(a), (b) and (c), no project may be permitted which will have any adverse effect on specified habitat sites of rare vertebrate or invertebrate species, as identified by procedures established under 310 CMR 10.59.*

No portions of the Project are located within areas of NHESP Priority and Estimated Habitat.

*[310 CMR 10.55(4)(e)] – Any proposed work shall not destroy or otherwise impair any portion of a Bordering Vegetated Wetland that is within an Area of Critical Environmental Concern designated by the Secretary of Energy and Environmental Affairs under M.G.L. c. 21A, § 2(7) and 301 CMR 12.00: Areas of Critical Environmental Concern.*

The Project is not located within an ACEC.

#### **4.3     200-foot Riverfront Area**

Activities within 200-foot RFA include two (2) soil borings, B-101 and B-100. Work is proposed along historically used access routes and previously disturbed areas around the existing structures. No permanent impacts are proposed.

*[310 CMR 10.58(4)(a)] – Protection of Other Resource Areas. The work shall meet the performance standards for all other resource areas within the riverfront area... When work in the riverfront area is also within the buffer zone to another resource area, the performance standards for the riverfront area shall contribute to the protection of the interests of M.G.L. c. 131 § 40 in lieu of any additional requirements that might otherwise be imposed on work in the buffer zone within the riverfront area.*

The Project has been designed to conform to the performance standards of other resource areas as described in this Notice of Intent.

*[310 CMR 10.58(4)(b)] – Protection of Rare Species. No project may be permitted within the riverfront area which will have any adverse effect on specified habitat site of rare wildlife or*

*upland, vertebrate or invertebrate species, as identified in the procedures established under 310 CMR 10.59 or 10.37, or which will have any adverse effect on vernal pool habitat certified prior to the filing of the Notice of Intent.*

No portions of the Project are located within areas of NHESP Priority and Estimated Habitat.

*[310 CMR 10.58(4)(c)] – Practicable and Substantially Equivalent Economic Alternatives. There must be no practicable and substantially equivalent economic alternative to the proposed project with less adverse effects on the interests identified in M.G.L. c. 131 § 40.*

Work within 200-foot RFA has been limited as much as possible and is proposed within the managed portion of the existing ROW. There are no practicable and substantially equivalent economic alternatives to the Project with less adverse effects on the interests identified in the Act.

*[310 CMR 10.58(4)(d)] – No Significant Adverse Impact. The work, including proposed mitigation measures, must have no significant adverse impact on the riverfront area to protect the interests identified in M.G.L. c. 131, § 40.*

The Project is proposed within an existing ROW that is cleared and maintained in accordance with an approved Vegetation Management Plan and local, state, and federal law and regulation. Maintenance of existing transmission line ROWs occurs on a routine basis as necessary, also in compliance with local, state, and federal law and regulation. NEP recognizes that maintaining/reestablishing the natural vegetation within the 200-foot RFA is critical to protecting water supplies, providing flood control, preventing pollution and protecting wildlife and fisheries habitat.

Temporary impacts where unavoidable for installation of linear site-related utilities are allowed within the 200-foot RFA, provided the area is restored to its natural conditions (310 CMR 10.58 (4)(d) 1.a.). Protective measures and BMPs will be in place to avoid and minimize impacts. Consequently, the Project will not result in a significant adverse impact or impairment or reduce the capacity of the 200-foot RFA to provide important wildlife habitat functions.

*[310 CMR 10.58(5)] – Redevelopment Within Previously Developed Riverfront Areas*

Although all work will occur within an existing ROW that is actively managed, and previously existing access roads and work envelopes will be re-established and improved, NEP is not filing this NOI under the redevelopment provisions at MA WPA regulations 310 CMR 10.58(5). Access roads will not be located any closer to the river than existing or historical routes.

The 100-ft Buffer Zone is a regulated resource area under the Town of Leicester’s Wetland Protection Bylaw; however, there are no performance standards for the Buffer Zone.

## **5 PROPOSED MITIGATION TECHNIQUES**

NEP has established procedures that are to be followed by all employees and contractors performing construction and maintenance activities on transmission ROWs. These procedures, or BMPs, are outlined in National Grid’s Environmental Guidance document Access, Maintenance and Construction Best Management Practices (EG-303NE) to ensure that all NEP projects are completed in accordance with all applicable environmental laws and regulations as well as company policies and compliance objectives. The following sections provide a summary of BMPs that will be implemented for this Project. See **Attachment E** for an excerpt of National Grid’s Environmental Guidance Document, Access, Maintenance and Construction Best Management Practices, Sediment and Erosion Controls.

### **5.1 Sediment and Erosion Controls**

Erosion and sediment control measures will be installed prior to the commencement of work as necessary. These controls will function to mitigate work-related erosion and sedimentation, and to serve as a physical boundary that delineates work areas and contains construction activities within approved locations. Erosion and sediment control measures may include silt fence, weed-free straw bale barriers, straw wattles, or similar treatment.

BMPs will be inspected and maintained in working order until all disturbed areas are stabilized. Please refer to **Attachment E** for erosion and sediment control details.

### **5.2 Construction Access**

Existing and historically used access routes will be utilized to the greatest extent practicable, as shown on the Environmental Resources Map in **Attachment B**. Temporary construction mats will be used to provide access through BVW. Construction mats are a typical BMP used by NEP to protect the wetland substrate, root systems/seed banks and existing vegetation. Construction mats will be placed on top of existing vegetation and will be removed upon completion of work. If necessary, the wetland area will be restored through seeding and stabilization.

### **5.3 Mowing and Vegetation Management**

Prior to the commencement of work, vegetation within the ROW will be mowed to provide access for vehicles and personnel.

#### 5.4 Restoration of Disturbed Areas

Disturbed areas will be returned to pre-construction elevations and conditions to the extent practicable. In areas of vegetated ground, disturbed areas will be seeded with an appropriate conservation seed mixture and/or mulched and allowed to re-vegetate.

Temporary soil erosion and sediment control devices will be removed following the stabilization of disturbed areas. Temporary construction mats will be removed from wetlands. In addition, construction debris and non-biodegradable controls will be removed from the site following construction and site stabilization.

### **6 CONCLUSION**

Although portions of the Project will occur within wetland resource areas, the proposed Project will:

- Minimize disturbance by utilizing an existing disturbed ROW to the greatest extent practicable;
- Maximize use of upland access roads to the greatest extent practicable;
- Result in only temporary impacts to BVW, RFA, and Buffer Zone; and
- Utilize appropriate BMPs to protect wetland resource areas from sedimentation and soil disturbance during boring activities.

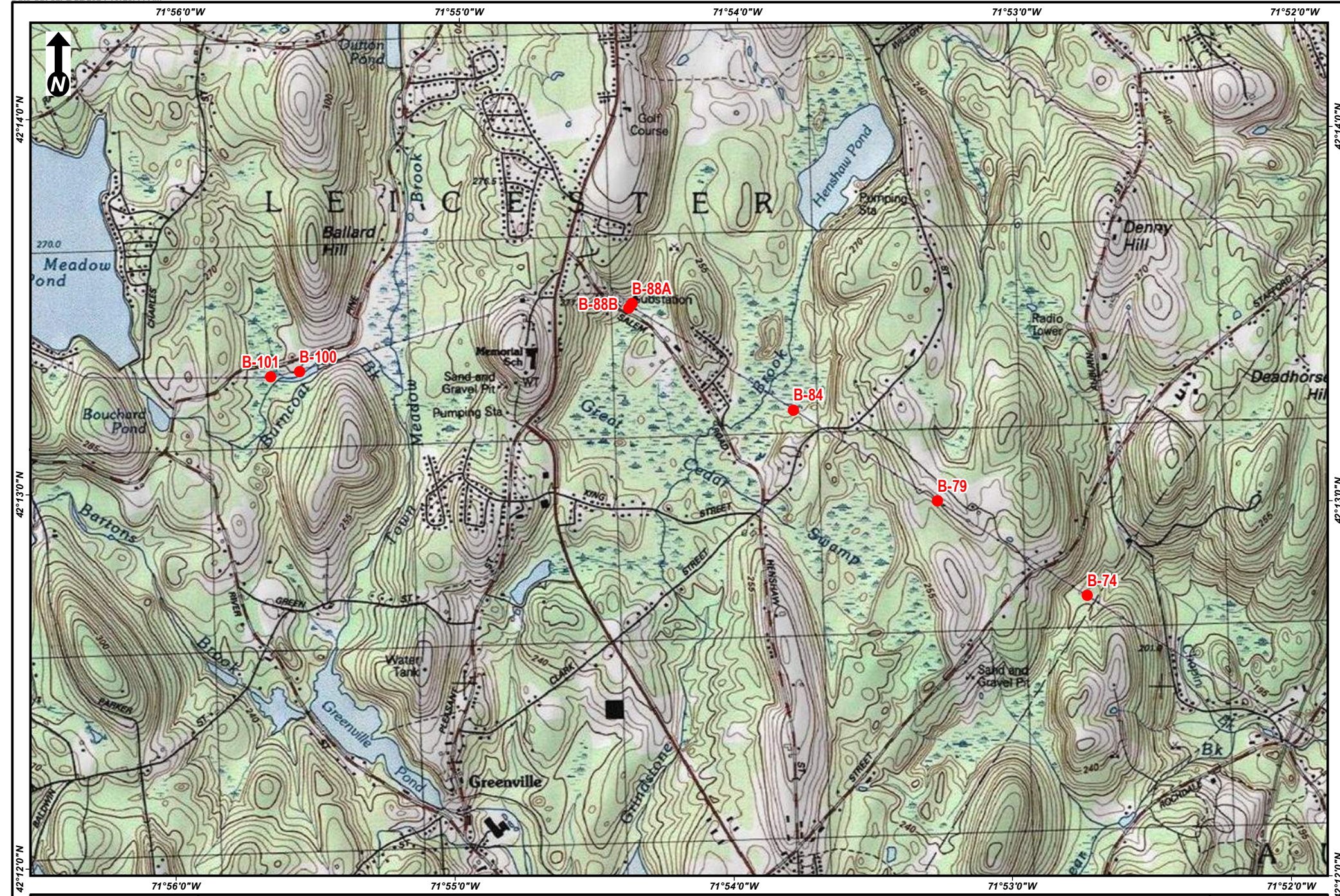
Therefore, NEP requests the Leicester Conservation Commission find this proposal adequately protective of the public interests identified in the WPA and Leicester Wetland Protection Bylaw and issue an Order of Conditions and a waiver from the 25-ft No Disturb Zone for the activities described in this narrative.

# **Attachment B**

Central to Western MA Energy Improvement Project  
E5/F6 Transmission Lines Soil Boring Program  
Leicester, Massachusetts  
Notice of Intent

USGS SITE LOCUS MAP  
ENVIRONMENTAL RESOURCES MAP





Scale: 1:24,000  
1 inch = 2,000 feet  
0 1,000 2,000  
Feet

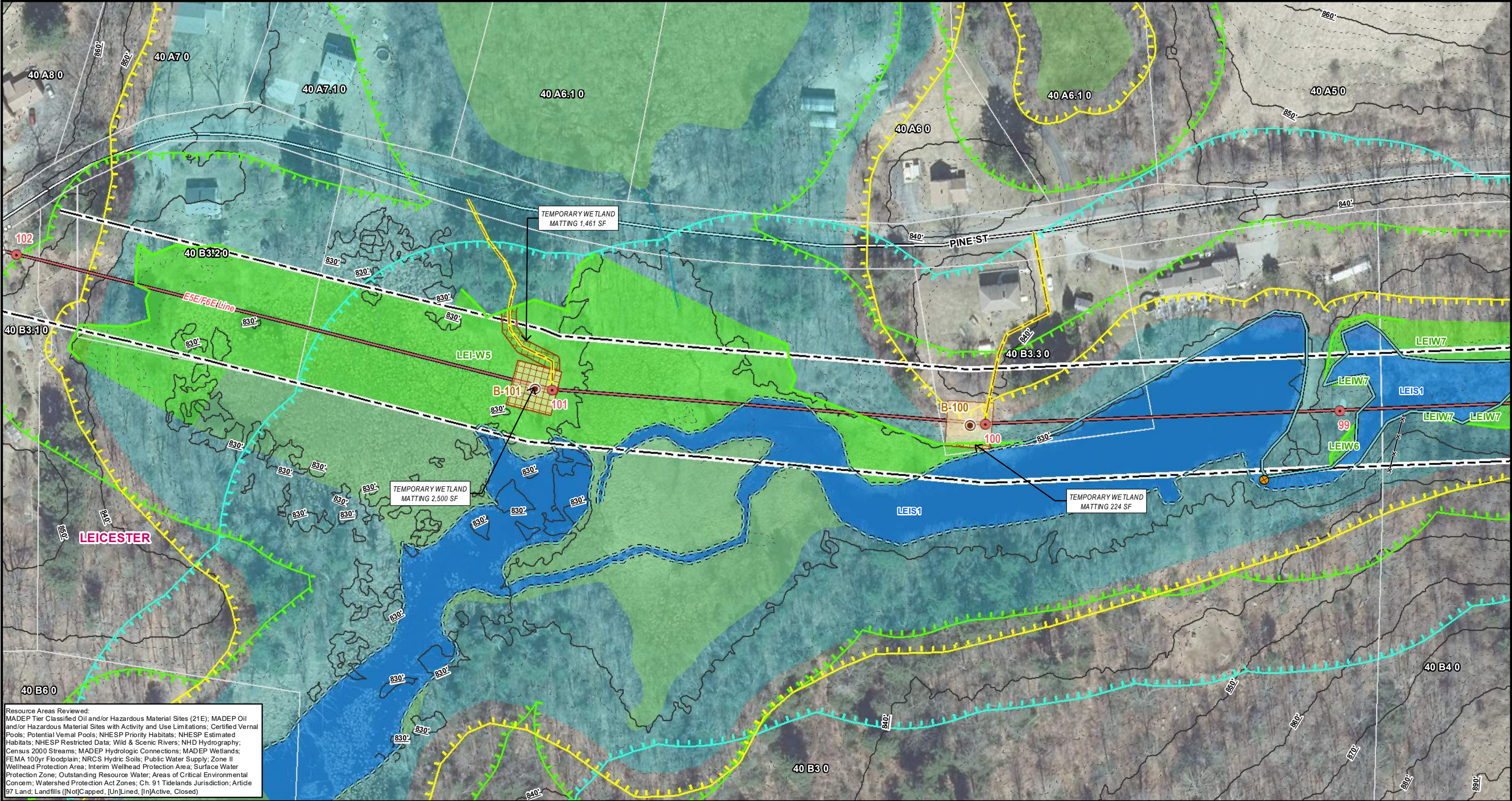
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**CENTRAL TO WESTERN MA ENERGY IMPROVEMENT PROJECT**  
**SOIL BORING PROGRAM**  
**USGS Site Location Map**  
**Leicester, MA**

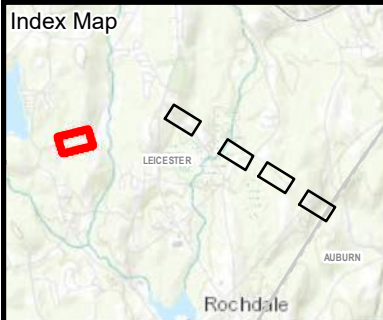
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**nationalgrid**  
**BSC GROUP**





Resource Areas Reviewed:  
MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; Certified Vernal Pools; Potential Vernal Pools; NHESP Priority Habitats; NHESP Estimated Habitats; NHESP Restricted Data; Wild & Scenic Rivers; NHD Hydrography; Census 2000 Streams; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; NRCS Hydric Soils; Public Water Supply; Zone II Wellhead Protection Area; Interim Wellhead Protection Area; Surface Water Protection Zone; Outstanding Resource Water; Areas of Critical Environmental Concern; Watershed Protection Act Zones; Ch. 91 Tidelands Jurisdiction; Article 97 Land; Landfills ([Not]Capped, [Un]Lined, [In]Active, Closed)



**Legend**

- Soil Boring
- Existing Structure
- Existing Overhead Line
- Edge of ROW
- Preferred Access Road
- Alternate Access Road
- Construction Matting
- Work Envelope\*
- Field Delineated Wetland Lines
- Field Delineated Wetlands\*
- Field Delineated Stream Centerline
- Field Delineated Inland Bank
- Estimated Inland Bank
- Field Delineated Stream Area\*
- Perennial Stream
- MADEP Hydrologic Connections
- MADEP Wetlands\*
- 25ft No Disturb Zone
- 100ft Buffer to Wetlands & Streams
- 200ft Riverfront Area
- Zone II Wellhead Protection Area
- Interim Wellhead Protection Area
- FEMA 100yr Floodplain\*
- Town Boundary
- Access Gate
- Fenceline
- Stonewall
- 2ft Contour
- 10ft Contour
- Culvert
- Parcel Boundaries

\*Indicates Layers Set to Transparency

1 inch = 100 feet

0 50 100 Feet

**CENTRAL TO WESTERN MA ENERGY  
IMPROVEMENT PROJECT  
E5/F6 TRANSMISSION LINES SOIL  
BORING PROGRAM**

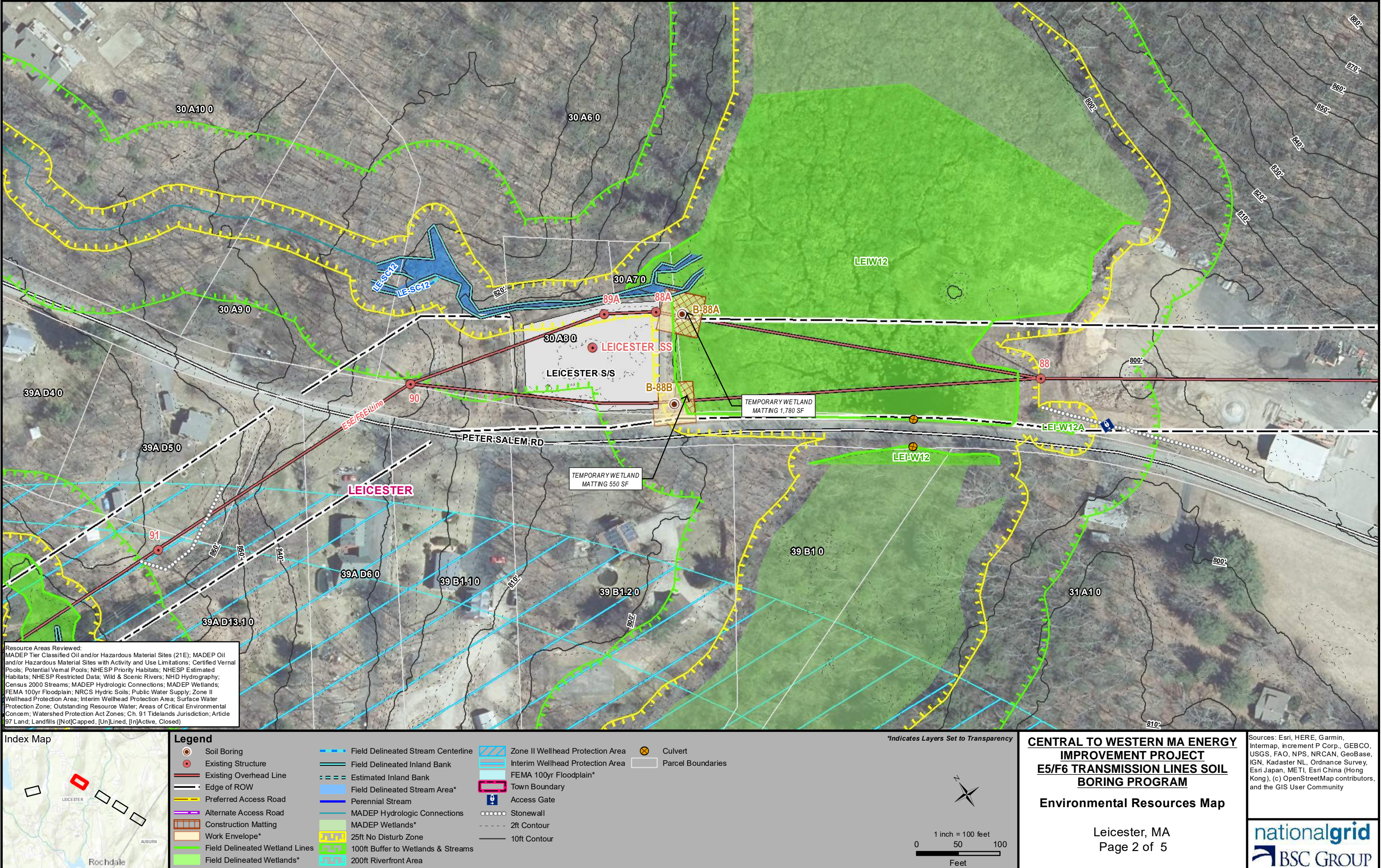
**Environmental Resources Map**

Leicester, MA  
Page 1 of 5

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

**nationalgrid**  
**BSC GROUP**

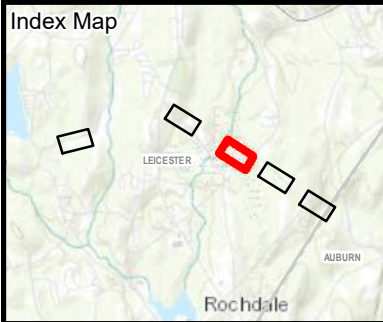








Resource Areas Reviewed:  
MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; Certified Vernal Pools; Potential Vernal Pools; NHESP Priority Habitats; NHESP Estimated Habitats; NHESP Restricted Data; Wild & Scenic Rivers; NHD Hydrography; Census 2000 Streams; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; NRCS Hydric Soils; Public Water Supply; Zone II Wellhead Protection Area; Interim Wellhead Protection Area; Surface Water Protection Zone; Outstanding Resource Water; Areas of Critical Environmental Concern; Watershed Protection Act Zones; Ch. 91 Tidelands Jurisdiction; Article 97 Land; Landfills ([Not]Capped, [Un]Lined, [In]Active, Closed)



**Legend**

Soil Boring	Field Delineated Stream Centerline	Zone II Wellhead Protection Area	Culvert
Existing Structure	Field Delineated Inland Bank	Interim Wellhead Protection Area	Parcel Boundaries
Existing Overhead Line	Estimated Inland Bank	FEMA 100yr Floodplain*	
Edge of ROW	Field Delineated Stream Area*	Town Boundary	
Preferred Access Road	Perennial Stream	Access Gate	
Alternate Access Road	MADEP Hydrologic Connections	Fenceline	
Construction Matting	MADEP Wetlands*	2ft Contour	
Work Envelope*	25ft No Disturb Zone	10ft Contour	
Field Delineated Wetland Lines	100ft Buffer to Wetlands & Streams		
Field Delineated Wetlands*	200ft Riverfront Area		

\*Indicates Layers Set to Transparency

1 inch = 100 feet

0 50 100

Feet

**CENTRAL TO WESTERN MA ENERGY  
IMPROVEMENT PROJECT  
E5/F6 TRANSMISSION LINES SOIL  
BORING PROGRAM**

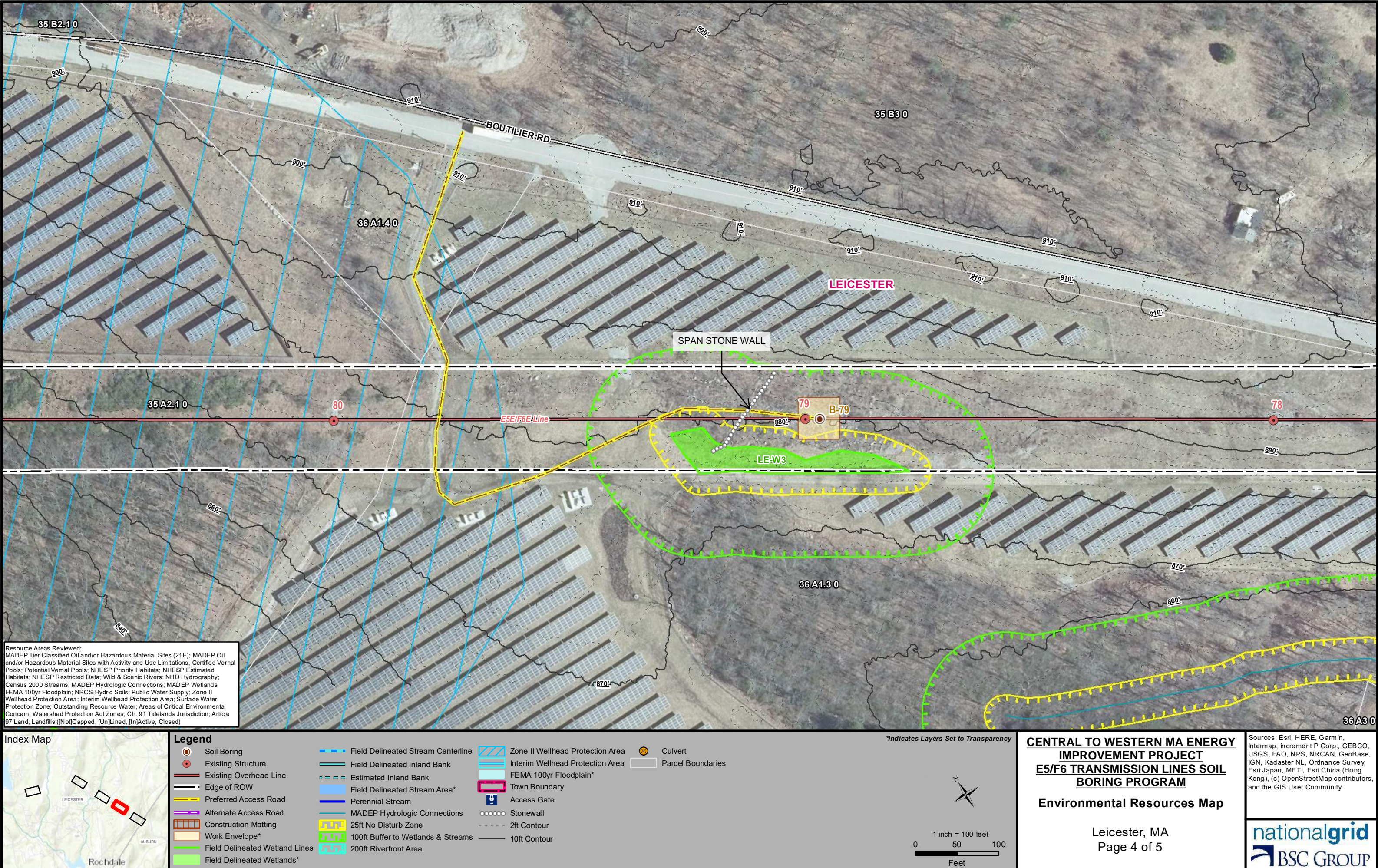
**Environmental Resources Map**

Leicester, MA  
Page 3 of 5

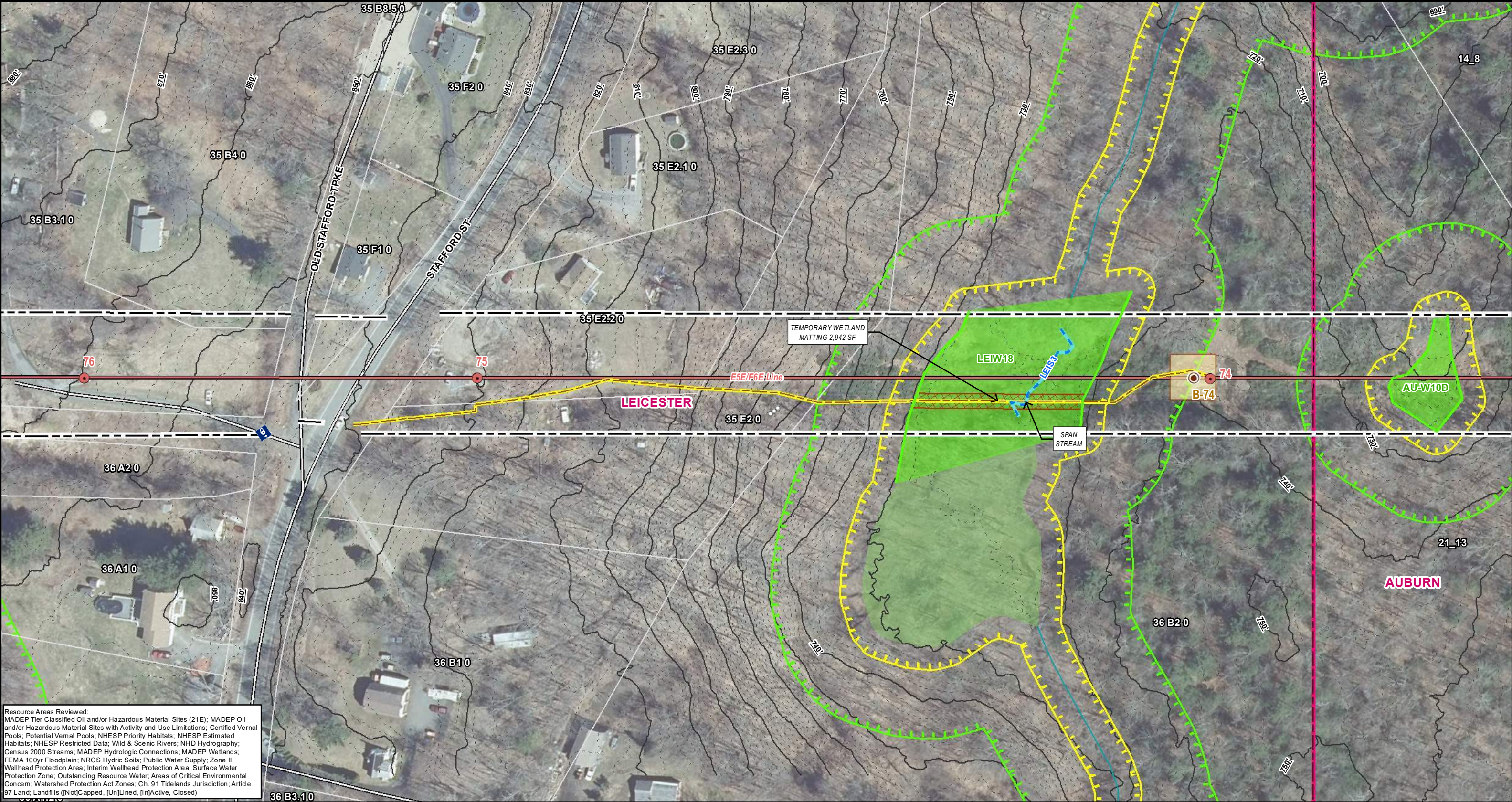
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

**nationalgrid**  
**BSC GROUP**

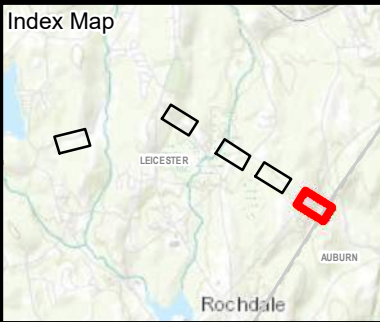








Resource Areas Reviewed:  
MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; Certified Vernal Pools; Potential Vernal Pools; NHESP Priority Habitats; NHESP Estimated Habitats; NHESP Restricted Data; Wild & Scenic Rivers; NHD Hydrography; Census 2000 Streams; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; NRCS Hydric Soils; Public Water Supply; Zone II Wellhead Protection Area; Interim Wellhead Protection Area; Surface Water Protection Zone; Outstanding Resource Water; Areas of Critical Environmental Concern; Watershed Protection Act Zones; Ch. 91 Tidelands Jurisdiction; Article 97 Land; Landfills ([Not]Capped, [Un]Lined, [In]Active, Closed)



**Legend**

Soil Boring	Field Delineated Stream Centerline	Zone II Wellhead Protection Area	Culvert
Existing Structure	Field Delineated Inland Bank	Interim Wellhead Protection Area	Parcel Boundaries
Existing Overhead Line	Estimated Inland Bank	FEMA 100yr Floodplain*	
Edge of ROW	Field Delineated Stream Area*	Town Boundary	
Preferred Access Road	Perennial Stream	Access Gate	
Alternate Access Road	MADEP Hydrologic Connections	Stonewall	
Construction Matting	MADEP Wetlands*	2ft Contour	
Work Envelope*	25ft No Disturb Zone	10ft Contour	
Field Delineated Wetland Lines	100ft Buffer to Wetlands & Streams		
Field Delineated Wetlands*	200ft Riverfront Area		

\*Indicates Layers Set to Transparency

1 inch = 100 feet  
0 50 100  
Feet

**CENTRAL TO WESTERN MA ENERGY  
IMPROVEMENT PROJECT  
E5/F6 TRANSMISSION LINES SOIL  
BORING PROGRAM**

**Environmental Resources Map**

Leicester, MA  
Page 5 of 5

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



# Attachment C

Central to Western MA Energy Improvement Project  
E5/F6 Transmission Lines Soil Boring Program  
Leicester, Massachusetts  
Notice of Intent

SITE PHOTOGRAPHS



**Photo #1:** View of existing Structure 101 within BVW. Boring B-101 is proposed approximately 19 feet west of the existing structure within BVW. Temporary wetland matting will be used for the access and work pad related to this structure. *Facing southeast*



**Photo #2:** View of existing Structure 100 within the 100-ft Buffer Zone.. Boring B-100 is proposed approximately 17 feet west of the existing structure. *Facing northeast*





**Photo #3:** View of structures 88A (right) and 88B (left). Boring B-88A is proposed approximately 31 feet southeast and B-88B is proposed approximately 35 feet southeast of Structure 88A. Temporary wetland matting will be used on the work pad of both structures within wetland LEI-W12. *Facing northeast*



**Photo #4:** View of existing Structure 84. Boring B-84 is proposed approximately 18 feet southeast of the existing structure. Grading is proposed at the boring location within the 100-ft Buffer Zone To BVW. *Facing north*





**Photo #5:** View of existing Structure 79 within the 100-ft Buffer Zone. Boring B-79 is proposed approximately 18 feet southeast of the existing structure. Grading is proposed within the 100-ft Buffer Zone. *Facing northeast*



**Photo #6:** View of existing Structure 74. Boring B-74 is proposed approximately 18 feet northwest of the existing structure. Grading along the access and at the bore location is proposed within the 100-ft Buffer Zone. *Facing southwest*



# Attachment D

Central to Western MA Energy Improvement Project  
E5/F6 Transmission Lines Soil Boring Program  
Leicester, Massachusetts  
Notice of Intent

CERTIFIED ABUTTERS LIST  
ABUTTERS NOTIFICATION LETTER

## Notification to Abutters

By Hand Delivery, Certified Mail (return receipt requested), or Certificates of Mailing

*This is a notification required by law. You are receiving this notification because you have been identified as the owner of land abutting another parcel of land for which certain activities are proposed. Those activities require a permit under the Massachusetts Wetlands Protection Act (M.G.L. c. 131, § 40).*

In accordance with the second paragraph of the Massachusetts Wetlands Protection Act, and 310 CMR 10.05(4)(a) of the Wetlands Regulations, you are hereby notified that:

- A. A Notice of Intent was filed with the Leicester Conservation Commission on February 27, 2024 seeking permission to remove, fill, dredge, or alter an area subject to protection under M.G.L. c. 131 §40. The following is a description of the proposed activity/activities:

The New England Power Company (NEP) is proposing to conduct exploratory geotechnical soil borings for planning and design of future improvements to the E5/F6 Transmission Lines. Seven (7) borings are proposed within Bordering Vegetated Wetlands (BVW), and the 100-foot Buffer Zone to Bordering Vegetated Wetlands (BVW), 200-foot Riverfront Area (RFA). Work pad and access improvements will also be conducted within 100-foot Buffer Zone to BVW.

- B. The name of the applicant is: New England Power Company
- C. The address of the land where the activity is proposed is: E5/F6 Transmission Lines Right-of-Way (ROW) between Stafford Street and Pine Street in Leicester.
- D. Copies of the Notice of Intent may be examined or obtained at the office of the Leicester Conservation Commission, located at (Leicester Conservation Commission, 3 Washburn Square, Leicester, MA 01524). The regular business hours of the Commission are by appointment.
- E. Copies of the Notice of Intent may be obtained from the applicant or (their) representative by calling (Carolyn Gorss), (representative) at (617-896-4341). An administrative fee may be applied for providing copies of the NOI and plans.
- F. Information regarding the date, time, and location of the public hearing regarding the Notice of Intent may be obtained from the Leicester Conservation Commission. Notice of the public hearing will be published at least five business days in advance, in The Sentinel & Enterprise.

Notification provided pursuant to the above requirement does not automatically confer standing to the recipient to request Departmental Action for the underlying matter. See 310 CMR 10.05(7)(a)4.



# 300 feet Abutters List Report

Leicester, MA  
February 21, 2024

## Subject Property:

Parcel Number: 36-A1.3-0  
CAMA Number: 36-A1.3-0  
Property Address: 36 BOUTILIER RD

Mailing Address: EIP ENERGY I LLC C/O LANDMARK  
DIVIDEND  
400 CONTINENTAL BLVD STE 500  
EL SEGUNDO, CA 90245

## Abutters:

Parcel Number: 35-A1-0  
CAMA Number: 35-A1-0  
Property Address: 313 HENSHAW ST

Mailing Address: ORLOFF ALEXIS  
313 HENSHAW ST  
LEICESTER, MA 01524

Parcel Number: 35-A2.1-0  
CAMA Number: 35-A2.1-0  
Property Address: 24 BOUTILIER RD

Mailing Address: CASELLO NICHOLAS A CASELLO  
JAQUELINE  
21 BOUTILIER RD  
LEICESTER, MA 01524

Parcel Number: 35-B3.1-0  
CAMA Number: 35-B3.1-0  
Property Address: 680 STAFFORD ST

Mailing Address: WITKOWSKI JR TRUSTEE WAYNE P  
WITKOWSKI FAMILY 2019 IRR TR  
PO BOX 122  
ROCHDALE, MA 01542-0122

Parcel Number: 35-B3-0  
CAMA Number: 35-B3-0  
Property Address: 500 BOUTILIER RD

Mailing Address: CASELLO NICHOLAS A MATHEWS  
JAQUELINE  
21 BOUTILIER RD  
LEICESTER, MA 01524

Parcel Number: 35-B4-0  
CAMA Number: 35-B4-0  
Property Address: 678 STAFFORD ST

Mailing Address: WITKOWSKI WAYNE JR WITKOWSKI  
LORETTA  
678 STAFFORD ST  
ROCHDALE, MA 01542

Parcel Number: 36-A1.1-0  
CAMA Number: 36-A1.1-0  
Property Address: 692 STAFFORD ST

Mailing Address: WOLFE WILLIAM WOLFE LUCILLE  
692 STAFFORD STREET  
ROCHDALE, MA 01542

Parcel Number: 36-A1.2-0  
CAMA Number: 36-A1.2-0  
Property Address: 694 STAFFORD ST

Mailing Address: MARTINEZ ANA L  
694 STAFFORD ST  
ROCHDALE, MA 01542

Parcel Number: 36-A1.4-0  
CAMA Number: 36-A1.4-0  
Property Address: BOUTILIER RD

Mailing Address: EIP ENERGY I LLC C/O LANDMARK  
DIVIDEND  
400 CONTINENTAL BLVD STE 500  
EL SEGUNDO, CA 90245

Parcel Number: 36-A1-0  
CAMA Number: 36-A1-0  
Property Address: 690 STAFFORD ST

Mailing Address: BERANTUO ERICH  
690 STAFFORD ST  
ROCHDALE, MA 01542

Parcel Number: 36-A12.1-0  
CAMA Number: 36-A12.1-0  
Property Address: HENSHAW ST

Mailing Address: POTVIN THOMAS S  
111 SUNSET DRIVE  
CHARLTON, MA 01507



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# 300 feet Abutters List Report

Leicester, MA  
February 21, 2024

Parcel Number: 36-A2-0  
CAMA Number: 36-A2-0  
Property Address: 688 STAFFORD ST

Mailing Address: DABRILA ZIGMAS DABRILA JOANNE  
325 LOVELL ST  
WORCESTER, MA 01602

Parcel Number: 36-A3.3-0  
CAMA Number: 36-A3.3-0  
Property Address: 748 STAFFORD ST

Mailing Address: WRIGHT AUDREY E TRUSTEE A E  
WRIGHT REVOCABLE TRUST  
748 STAFFORD ST  
ROCHDALE, MA 01542-1200

Parcel Number: 36-A3.4-0  
CAMA Number: 36-A3.4-0  
Property Address: 746 STAFFORD ST

Mailing Address: HILL EDWARD JEANNE TRUSTEES  
JEAH FAMILY TRUST  
746 STAFFORD ST  
ROCHDALE, MA 01542

Parcel Number: 36-A3-0  
CAMA Number: 36-A3.6-0  
Property Address: 748 B REAR STAFFORD ST

Mailing Address: WRIGHT ET AL WILLIAM S C/O PRINCE  
LOBEL TYE LLP  
100 CAMBRIDGE ST SUITE 2200  
BOSTON, MA 02114

Parcel Number: 36-A3-0  
CAMA Number: 36-A3-0  
Property Address: 748 A STAFFORD ST

Mailing Address: WRIGHT WILLIAM JACOBS THOMAS D  
PO BOX 234  
ROCHDALE, MA 01542

Parcel Number: 36-A6-0  
CAMA Number: 36-A6-0  
Property Address: HENSHAW ST

Mailing Address: BROWN MICHAEL F BROWN LAURIE A  
397 HENSHAW ST  
ROCHDALE, MA 01542

Parcel Number: 36-B2.1-0  
CAMA Number: 36-B2.1-0  
Property Address: STAFFORD ST

Mailing Address: LANGLOIS ELIZABETH CATHERINE  
DUNLOP JR GERALD ALLEN  
697 STAFFORD ST  
ROCHDALE, MA 01542

Parcel Number: 36-B3.1-0  
CAMA Number: 36-B3.1-0  
Property Address: 699 STAFFORD ST

Mailing Address: LANGLOIS ROLAND S DUNLOP-  
LANGLOIS ELIZABETH C  
699 STAFFORD ST  
ROCHDALE, MA 01542-1207

Parcel Number: 36-B3.2-0  
CAMA Number: 36-B3.2-0  
Property Address: 703 STAFFORD ST

Mailing Address: MORRISSEY KEVIN M MORRISSEY  
NICOLE E  
703 STAFFORD ST  
ROCHDALE, MA 01542

Parcel Number: 36-B3-0  
CAMA Number: 36-B3.25-0  
Property Address: 14 VICTORIA DR

Mailing Address: BROMLEY FERRIS M BROMLEY JO ANN  
M  
14 VICTORIA DR  
ROCHDALE, MA 01542

Parcel Number: 36-B3-0  
CAMA Number: 36-B3.26-0  
Property Address: 16 VICTORIA DR

Mailing Address: MASON VIRGINIA M  
16 VICTORIA DR  
ROCHDALE, MA 01542

Parcel Number: 36-B3-0  
CAMA Number: 36-B3.27-0  
Property Address: 18 VICTORIA DR

Mailing Address: GREFFRATH CHARLES A  
18 VICTORIA DR  
ROCHDALE, MA 01542



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# 300 feet Abutters List Report

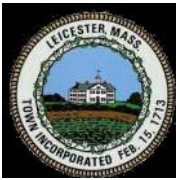
Leicester, MA  
February 21, 2024

Parcel Number: 36-B3-0 CAMA Number: 36-B3.28-0 Property Address: 20 VICTORIA DR	Mailing Address: ARNOLD THOMAS F ARNOLD LAUREN S 20 VICTORIA DR ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.30-0 Property Address: 24 VICTORIA DR	Mailing Address: CLAUER HENRY G SEGAL-CLAUER JANIS H 24 VICTORIA DRIVE ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.32-0 Property Address: 26 VICTORIA DR	Mailing Address: GOGGIN FAMILY TRUST GOGGIN JOHN E BONNIE D TRUSTEE 26 VICTORIA DR ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.33-0 Property Address: 32 VICTORIA DR	Mailing Address: NASH CLAUDIA R 32 VICTORIA DR ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.35-0 Property Address: 34 VICTORIA DR	Mailing Address: BANK OF AMERICA, TRUSTEE 34 VICTORIA DRIVE ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.36-0 Property Address: 36 VICTORIA DR	Mailing Address: MURRAY JEFFREY MURRAY KATHLEEN, TRUSTESS OF 36 VICTORIA DRIVE UNIT 17 ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.37-0 Property Address: 37 VICTORIA DR	Mailing Address: FRIEND JONATHAN 37 VICTORIA DR ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.38-0 Property Address: 38 VICTORIA DR	Mailing Address: HARRINGTON TRACEY L KENNEDY ELIZABETH M 38 VICTORIA DRIVE UNIT 18 LEICESTER, MA 01524
Parcel Number: 36-B3-0 CAMA Number: 36-B3.39-0 Property Address: 39 VICTORIA DR	Mailing Address: BOHIGIAN ALFRED J BOHIGIAN MICHELLE J 39 VICTORIA DR ROCHDALE, MA 01542
Parcel Number: 36-B3.4-0 CAMA Number: 36-B3.4-0 Property Address: 707 STAFFORD ST	Mailing Address: KACHADOORIAN JOHN C KACHADOORIAN MARSHA K 707 STAFFORD ST ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.5-0 Property Address: 1 VICTORIA DR	Mailing Address: TILSON LOUIS 1 VICTORIA DR ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3-0 Property Address: 705 STAFFORD ST	Mailing Address: BRIARCLIFF ESTATES SV LLC 7 MAPLE AV HOPKINTON, MA 01748



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# 300 feet Abutters List Report

Leicester, MA  
February 21, 2024

Parcel Number: 36-B7-0  
CAMA Number: 36-B7-0  
Property Address: 751 STAFFORD ST

Mailing Address: FERREIRA RAILAN GUIMARAES  
SERGIO  
401 PLEASANT STREET  
LEICESTER, MA 01524

Above is a certified list of direct abutters including abutters across any street.  
Subject property: Assessors Map 36-A1.3-0 Deed Ref. 58722/340  
Subject Owner: EIP Energy I LLC  
Certified by John Stencil, Assistant Assessor

*John Stencil*



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2/21/2024

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# 300 feet Abutters List Report

Leicester, MA  
February 21, 2024

## Subject Property:

Parcel Number: 30-A7-0  
CAMA Number: 30-A7-0  
Property Address: PETER SALEM RD

Mailing Address: MASS ELECTRIC CO PROPERTY TAX  
DEPT  
40 SYLVAN ROAD  
WALTHAM, MA 02451

## Abutters:

Parcel Number: 30-A6-0  
CAMA Number: 30-A6-0  
Property Address: 59 PETER SALEM RD

Mailing Address: TOWN OF LEICESTER HIGHWAY DEPT  
3 WASHBURN SQUARE  
LEICESTER, MA 01524

Parcel Number: 30-A8-0  
CAMA Number: 30-A8-0  
Property Address: PETER SALEM RD

Mailing Address: NEW ENGLAND POWER CO ATTN:  
PROPERTY TAX DEPT.  
40 SYLVAN ROAD  
WALTHAM, MA 02451

Parcel Number: 30-A9-0  
CAMA Number: 30-A9-0  
Property Address: 27 PETER SALEM RD

Mailing Address: OCOIN WILLIAM W OCOIN BETTE E  
27 PETER SALEM RD  
LEICESTER, MA 01524

Parcel Number: 31-A1-0  
CAMA Number: 31-A1-0  
Property Address: 126 PETER SALEM RD

Mailing Address: LARSON ROBERT A  
126 PETER SALEM RD  
LEICESTER, MA 01524

Parcel Number: 39A-D6-0  
CAMA Number: 39A-D6-0  
Property Address: 44 PETER SALEM RD

Mailing Address: MARCINKUS PETER A MARCINKUS  
NANCY E  
44 PETER SALEM RD  
LEICESTER, MA 01524

Parcel Number: 39-B1.1-0  
CAMA Number: 39-B1.1-0  
Property Address: 46 PETER SALEM RD

Mailing Address: GAUDET JASON K  
46 PETER SALEM RD  
LEICESTER, MA 01524

Parcel Number: 39-B1.2-0  
CAMA Number: 39-B1.13-0  
Property Address: REAR PLEASANT ST

Mailing Address: MORRIS PAUL R  
50 PETER SALEM RD  
LEICESTER, MA 01524

Parcel Number: 39-B1.2-0  
CAMA Number: 39-B1.2-0  
Property Address: 50 PETER SALEM RD

Mailing Address: MORRIS PAUL MORRIS LAURA A  
50 PETER SALEM RD  
LEICESTER, MA 01524

Parcel Number: 39-B1-0  
CAMA Number: 39-B1-0  
Property Address: HUNTOON MEMORIAL HW

Mailing Address: DICENTES JAMES  
1 GOLDEN ROAD  
LEICESTER, MA 01524

Above is a certified list of direct abutters including abutters across any street.  
Subject property: Assessors Map 30-A7-0 Deed Ref. 4133/318  
Subject Owner: Mass Electric Co  
Certified by John Stencel, Assistant Assessor

*John Stencel*



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# 300 feet Abutters List Report

Leicester, MA  
February 21, 2024

## Subject Properties:

Parcel Number: 36-B2-0  
CAMA Number: 36-B2.23-0  
Property Address: 10 VICTORIA DR

Mailing Address: LANGE FAMILY TRUST LANGE EDWARD  
R TRUSTEE  
10 VICTORIA DR  
ROCHDALE, MA 01542

Parcel Number: 36-B2-0  
CAMA Number: 36-B2.24-0  
Property Address: 12 VICTORIA DR

Mailing Address: CONNORS RICHARD L. CONNORS  
MAUREEN M  
12 VICTORIA DR UNIT 5  
ROCHDALE, MA 01542

Parcel Number: 36-B2-0  
CAMA Number: 36-B2-0  
Property Address: 697 STAFFORD ST

Mailing Address: LANGLOIS ELIZABETH CATHERINE  
DUNLOP JR GERLAD ALLEN  
697 STAFFORD STREET  
ROCHDALE, MA 01542

## Abutters:

Parcel Number: 35-E2.1-0  
CAMA Number: 35-E2.1-0  
Property Address: 661 STAFFORD ST

Mailing Address: SHAYS CHRISTOPHER  
661 STAFFORD STREET  
ROCHDALE, MA 01542

Parcel Number: 35-E2.2-0  
CAMA Number: 35-E2.2-0  
Property Address: 663 STAFFORD ST

Mailing Address: GALLANT DEREK  
663 STAFFORD ST  
ROCHDALE, MA 01542-1207

Parcel Number: 35-E2.3-0  
CAMA Number: 35-E2.3-0  
Property Address: 659 STAFFORD ST

Mailing Address: ARGUIN LEO F  
PO BOX 321  
ROCHDALE, MA 01542

Parcel Number: 35-E2.4-0  
CAMA Number: 35-E2.4-0  
Property Address: 657 STAFFORD ST

Mailing Address: ARGUIN LEO F  
PO BOX 321  
ROCHDALE, MA 01542

Parcel Number: 35-E2-0  
CAMA Number: 35-E2-0  
Property Address: STAFFORD ST

Mailing Address: ARGUIN LEO F  
PO BOX 321  
ROCHDALE, MA 01542

Parcel Number: 35-E3-0  
CAMA Number: 35-E3-0  
Property Address: 468 AUBURN ST

Mailing Address: BROOKS ANTHONY E  
34 BERLIN ST  
AUBURN, MA 01501-1126

Parcel Number: 36-B1-0  
CAMA Number: 36-B1-0  
Property Address: 695 STAFFORD ST

Mailing Address: SLAUENWHITE DAVID F SLAUENWHITE  
BARBARA J  
695 STAFFORD ST  
ROCHDALE, MA 01542



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# 300 feet Abutters List Report

Leicester, MA  
February 21, 2024

Parcel Number: 36-B2.1-0 CAMA Number: 36-B2.1-0 Property Address: STAFFORD ST	Mailing Address: LANGLOIS ELIZABETH CATHERINE DUNLOP JR GERALD ALLEN 697 STAFFORD ST ROCHDALE, MA 01542
Parcel Number: 36-B3.1-0 CAMA Number: 36-B3.1-0 Property Address: 699 STAFFORD ST	Mailing Address: LANGLOIS ROLAND S DUNLOP- LANGLOIS ELIZABETH C 699 STAFFORD ST ROCHDALE, MA 01542-1207
Parcel Number: 36-B3.2-0 CAMA Number: 36-B3.2-0 Property Address: 703 STAFFORD ST	Mailing Address: MORRISSEY KEVIN M MORRISSEY NICOLE E 703 STAFFORD ST ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.25-0 Property Address: 14 VICTORIA DR	Mailing Address: BROMLEY FERRIS M BROMLEY JO ANN M 14 VICTORIA DR ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.26-0 Property Address: 16 VICTORIA DR	Mailing Address: MASON VIRGINIA M 16 VICTORIA DR ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.27-0 Property Address: 18 VICTORIA DR	Mailing Address: GREFFRATH CHARLES A 18 VICTORIA DR ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.28-0 Property Address: 20 VICTORIA DR	Mailing Address: ARNOLD THOMAS F ARNOLD LAUREN S 20 VICTORIA DR ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.30-0 Property Address: 24 VICTORIA DR	Mailing Address: CLAUER HENRY G SEGAL-CLAUER JANIS H 24 VICTORIA DRIVE ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.32-0 Property Address: 26 VICTORIA DR	Mailing Address: GOGGIN FAMILY TRUST GOGGIN JOHN E BONNIE D TRUSTEE 26 VICTORIA DR ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.33-0 Property Address: 32 VICTORIA DR	Mailing Address: NASH CLAUDIA R 32 VICTORIA DR ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.35-0 Property Address: 34 VICTORIA DR	Mailing Address: BANK OF AMERICA, TRUSTEE 34 VICTORIA DRIVE ROCHDALE, MA 01542
Parcel Number: 36-B3-0 CAMA Number: 36-B3.36-0 Property Address: 36 VICTORIA DR	Mailing Address: MURRAY JEFFREY MURRAY KATHLEEN, TRUSTESS OF 36 VICTORIA DRIVE UNIT 17 ROCHDALE, MA 01542



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# 300 feet Abutters List Report

Leicester, MA  
February 21, 2024

Parcel Number: 36-B3-0  
CAMA Number: 36-B3.37-0  
Property Address: 37 VICTORIA DR

Mailing Address: FRIEND JONATHAN  
37 VICTORIA DR  
ROCHDALE, MA 01542

Parcel Number: 36-B3-0  
CAMA Number: 36-B3.38-0  
Property Address: 38 VICTORIA DR

Mailing Address: HARRINGTON TRACEY L KENNEDY  
ELIZABETH M  
38 VICTORIA DRIVE UNIT 18  
LEICESTER, MA 01524

Parcel Number: 36-B3-0  
CAMA Number: 36-B3.39-0  
Property Address: 39 VICTORIA DR

Mailing Address: BOHIGIAN ALFRED J BOHIGIAN  
MICHELLE J  
39 VICTORIA DR  
ROCHDALE, MA 01542

Parcel Number: 36-B3-0  
CAMA Number: 36-B3.5-0  
Property Address: 1 VICTORIA DR

Mailing Address: TILSON LOUIS  
1 VICTORIA DR  
ROCHDALE, MA 01542

Parcel Number: 36-B3-0  
CAMA Number: 36-B3-0  
Property Address: 705 STAFFORD ST

Mailing Address: BRIARCLIFF ESTATES SV LLC  
7 MAPLE AV  
HOPKINTON, MA 01748

Above is a certified list of direct abutters including abutters across any street.

Subject property: 697 Stafford Street Assessors Map 36-B2-0 Deed Ref. 68154/285

Subject Owner: Langlois, Elizabeth Catherine  
Certified by John Stencel, Assistant Assessor

*John Stencel*



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# 300 feet Abutters List Report

Leicester, MA  
February 21, 2024

## Subject Property:

Parcel Number: 31-B23-0  
CAMA Number: 31-B23-0  
Property Address: 360 HENSHAW ST

Mailing Address: GIGUERE LENOERA M TRUSTEE VAN  
HOOK IRREVOCABLE TRUST  
360 HENSHAW ST  
LEICESTER, MA 01524-1251

---

## Abutters:

Parcel Number: 31-A4-0  
CAMA Number: 31-A4-0  
Property Address: PETER SALEM RD

Mailing Address: KENNEY PHILIP  
PO BOX 525  
CHARLTON, MA 01507

Parcel Number: 31-A5.1-0  
CAMA Number: 31-A5.1-0  
Property Address: 224 PETER SALEM RD

Mailing Address: STEVENS SHAWN C  
224 PETER SALEM RD  
LEICESTER, MA 01524

Parcel Number: 31-A5-0  
CAMA Number: 31-A5-0  
Property Address: PETER SALEM RD

Mailing Address: GIGUERE LENOERA M TRUSTEE VAN  
HOOK IRREVOCABLE TRUST  
360 HENSHAW ST  
LEICESTER, MA 01524-1251

Parcel Number: 31A-E7-0  
CAMA Number: 31A-E7-0  
Property Address: PITCAIRN AV

Mailing Address: MILEY WILLIAM M C/O TODD MILEY  
48 SHERYL DRIVE  
WHITTINSVILLE, MA 01588

Parcel Number: 31A-G10-0  
CAMA Number: 31A-G10-0  
Property Address: 220 PETER SALEM RD

Mailing Address: SUTHERLAND MICHELLE A  
220 PETER SALEM RD  
LEICESTER, MA 01524

Parcel Number: 31A-G7-0  
CAMA Number: 31A-G7-0  
Property Address: PETER SALEM RD

Mailing Address: MILEY WILLIAM M C/O TODD MILEY  
48 SHERYL DRIVE  
WHITTINSVILLE, MA 01588

Parcel Number: 31A-G8-0  
CAMA Number: 31A-G8-0  
Property Address: PETER SALEM RD

Mailing Address: MILEY WILLIAM M C/O TODD MILEY  
48 SHERYL DRIVE  
WHITTINSVILLE, MA 01588

Parcel Number: 31A-G9-0  
CAMA Number: 31A-G9-0  
Property Address: 216 PETER SALEM RD

Mailing Address: LAVIN JEFFREY  
216 PETER SALEM RD  
LEICESTER, MA 01524-1281

Parcel Number: 31-B21-0  
CAMA Number: 31-B21-0  
Property Address: 330 HENSHAW ST

Mailing Address: OBRIEN JEFFREY W OBRIEN KELLY A  
330 HENSHAW ST  
LEICESTER, MA 01524

Parcel Number: 31-B22-0  
CAMA Number: 31-B22-0  
Property Address: HENSHAW ST

Mailing Address: TOWN OF LEICESTER TOWN HALL  
3 WASHBURN SQUARE  
LEICESTER, MA 01524



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# 300 feet Abutters List Report

Leicester, MA  
February 21, 2024

Parcel Number: 31-B23.1-0  
CAMA Number: 31-B23.1-0  
Property Address: 342 HENSHAW ST

Mailing Address: GIGUERE DAVID J VAN HOOK  
LEONORA  
342 HENSHAW ST  
LEICESTER, MA 01524

Parcel Number: 31-B24.1-0  
CAMA Number: 31-B24.1-0  
Property Address: PETER SALEM RD

Mailing Address: VAN HOOK ANDREW  
30 HENSHAW ST  
LEICESTER, MA 01524

Parcel Number: 31-B24-0  
CAMA Number: 31-B24-0  
Property Address: REAR PETER SALEM RD

Mailing Address: GIGUERE LENOERA M TRUSTEE VAN  
HOOK IRREVOCABLE TRUST  
360 HENSHAW ST  
LEICESTER, MA 01524-1251

Parcel Number: 36-A10-0  
CAMA Number: 36-A10-0  
Property Address: 359 HENSHAW ST

Mailing Address: RANO MICHAEL A  
359 HENSHAW ST  
LEICESTER, MA 01524

Parcel Number: 36-A11-0  
CAMA Number: 36-A11-0  
Property Address: 345 HENSHAW ST

Mailing Address: ARGUIN EMILY GABRILA  
345 HENSHAW STREET  
LEICESTER, MA 01524

Parcel Number: 36-A12-0  
CAMA Number: 36-A12-0  
Property Address: HENSHAW ST

Mailing Address: HOBART COLBY  
55 SIAS AVE  
SHREWSBURY, MA 01545

Parcel Number: 36-A5-0  
CAMA Number: 36-A5-0  
Property Address: 389 HENSHAW ST

Mailing Address: MALKASIAN MICHELE GRIFFIN PAMELA  
389 HENSHAW ST  
ROCHDALE, MA 01542

Parcel Number: 36-A6-0  
CAMA Number: 36-A6-0  
Property Address: HENSHAW ST

Mailing Address: BROWN MICHAEL F BROWN LAURIE A  
397 HENSHAW ST  
ROCHDALE, MA 01542

Parcel Number: 36-A7-0  
CAMA Number: 36-A7-0  
Property Address: HENSHAW ST

Mailing Address: DIX JOHN N DIX MARGARET M  
375 HENSHAW ST  
LEICESTER, MA 01524

Parcel Number: 36-A8-0  
CAMA Number: 36-A8-0  
Property Address: 375 HENSHAW ST

Mailing Address: DIX JOHN N DIX MARGARET M  
375 HENSHAW ST  
LEICESTER, MA 01524

Parcel Number: 36-A9-0  
CAMA Number: 36-A9-0  
Property Address: 365 HENSHAW ST

Mailing Address: DOMINY ALLEN L DOMINY MICHELE A  
365 HENSHAW ST  
LEICESTER, MA 01524

Parcel Number: 37-C14-0  
CAMA Number: 37-C14-0  
Property Address: 251 CLARK ST

Mailing Address: MEDEIROS JENNIFER M MEDEIROS  
PAUL M  
251 CLARK STREET  
ROCHDALE, MA 01542



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2/21/2024

Page 2 of 3



# 300 feet Abutters List Report

Leicester, MA  
February 21, 2024

Parcel Number: 37-D6-0  
CAMA Number: 37-D6-0  
Property Address: 300 CLARK ST

Mailing Address: TRETHEWAY CHRISTINE S  
300 CLARK STREET  
ROCHDALE, MA 01542

Above is a certified list of direct abutters including abutters across any street.

Subject property: 360 Henshaw Assessors Map 31-B23-0 Deed Ref. 52901-98

Subject Owner: Giguere, Lenora M Trustee

Certified by John Stencil, Assistant Assessor

*John Stencil*



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2/21/2024

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# 300 feet Abutters List Report

Leicester, MA  
February 21, 2024

## Subject Property:

Parcel Number: 40-B3-0  
CAMA Number: 40-B3-0  
Property Address: 401 PINE ST

Mailing Address: WASGATT JAMES P FAUCHER KRISTI L  
401 PINE STREET  
LEICESTER, MA 01524

---

## Abutters:

Parcel Number: 38-A1-0  
CAMA Number: 38-A1-0  
Property Address: 332 RIVER ST

Mailing Address: SZYDLIK EWELINA CZUBAJ  
BARTLOMIEJ  
7 ENGLEWOOD AVE  
WORCESTER, MA 01603

Parcel Number: 38-A2-0  
CAMA Number: 38-A2-0  
Property Address: 3 FLAGG DR

Mailing Address: CHMURA MERRIDITH E BAJUMPAA  
CHRISTOPHER J  
3 FLAGG DRIVE  
LEICESTER, MA 01524

Parcel Number: 40-A5-0  
CAMA Number: 40-A5-0  
Property Address: PINE ST

Mailing Address: VH FARM TRUST ALGER EDGAR R 3RD  
195 RAWSON STREET  
LEICESTER, MA 01524

Parcel Number: 40-A6.1-0  
CAMA Number: 40-A6.1-0  
Property Address: 378 PINE ST

Mailing Address: MAYO EARL F MAYO BONNIE L  
378 PINE ST  
LEICESTER, MA 01524

Parcel Number: 40-A6-0  
CAMA Number: 40-A6-0  
Property Address: 380 PINE ST

Mailing Address: MAYO EARL F MAYO BONNIE J  
378 PINE ST  
LEICESTER, MA 01524

Parcel Number: 40-A7.1-0  
CAMA Number: 40-A7.1-0  
Property Address: 414 PINE ST

Mailing Address: WALSH BRITTANY WALSH SHANE  
414 PINE ST  
LEICESTER, MA 01524

Parcel Number: 40-A7-0  
CAMA Number: 40-A7-0  
Property Address: 416 PINE ST

Mailing Address: LEDOUX AMBER ROSE  
416 PINE ST  
LEICESTER, MA 01524

Parcel Number: 40-A8-0  
CAMA Number: 40-A8-0  
Property Address: 418 PINE ST

Mailing Address: SENEAL JEFFREY A SENEAL  
PATRICIA A T  
418 PINE STREET  
LEICESTER, MA 01524-0316

Parcel Number: 40-A9-0  
CAMA Number: 40-A9-0  
Property Address: PINE ST

Mailing Address: LARSON PETER W C/O KAREN ROTH  
14631 SOUTHWEST 20TH ST  
DAVIE, FL 33325

Parcel Number: 40-B2-0  
CAMA Number: 40-B2-0  
Property Address: 409 PINE ST

Mailing Address: ALFONSO RIGOBERTO JR ALFONSO  
EGETTA D  
409 PINE ST  
LEICESTER, MA 01524



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# 300 feet Abutters List Report

Leicester, MA  
February 21, 2024

Parcel Number: 40-B3.1-0  
CAMA Number: 40-B3.1-0  
Property Address: 407 PINE ST

Mailing Address: HOBBY MARK J HOBBY DENISE L  
407 PINE ST  
LEICESTER, MA 01524

Parcel Number: 40-B3.2-0  
CAMA Number: 40-B3.2-0  
Property Address: 405 PINE ST

Mailing Address: BARRETT ELIZABETH  
405 PINE ST  
LEICESTER, MA 01524

Parcel Number: 40-B3.3-0  
CAMA Number: 40-B3.3-0  
Property Address: 403 PINE ST

Mailing Address: GUERTIN JOHN J GUERTIN JACQUELYN  
L  
403 PINE ST  
LEICESTER, MA 01524

Parcel Number: 40-B4-0  
CAMA Number: 40-B4-0  
Property Address: PINE ST

Mailing Address: HODGSON JOHN E DYKAS LEON H  
3RD  
124 GREEN ST  
LEICESTER MA, MA 01542

Parcel Number: 40-B6-0  
CAMA Number: 40-B6-0  
Property Address: 411 PINE ST

Mailing Address: SEVEN HILLS COMMUNITY SERVICES  
81 HOPE AVE  
WORCESTER, MA 01603

Above is a certified list of direct abutters including abutters across any street.

Subject property: 401 Pine Assessors Map 40-B3-0 Deed Ref. 65604/381

Subject Owner: Wasgatt, James P

Certified by John Stencel, Assistant Assessor

*John Stencel*



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# **Attachment E**

Central to Western MA Energy Improvement Project  
E5/F6 Transmission Lines Soil Boring Program  
Leicester, Massachusetts  
Notice of Intent

NATIONAL GRID'S BEST MANAGEMENT PRACTICES



## SUBJECT

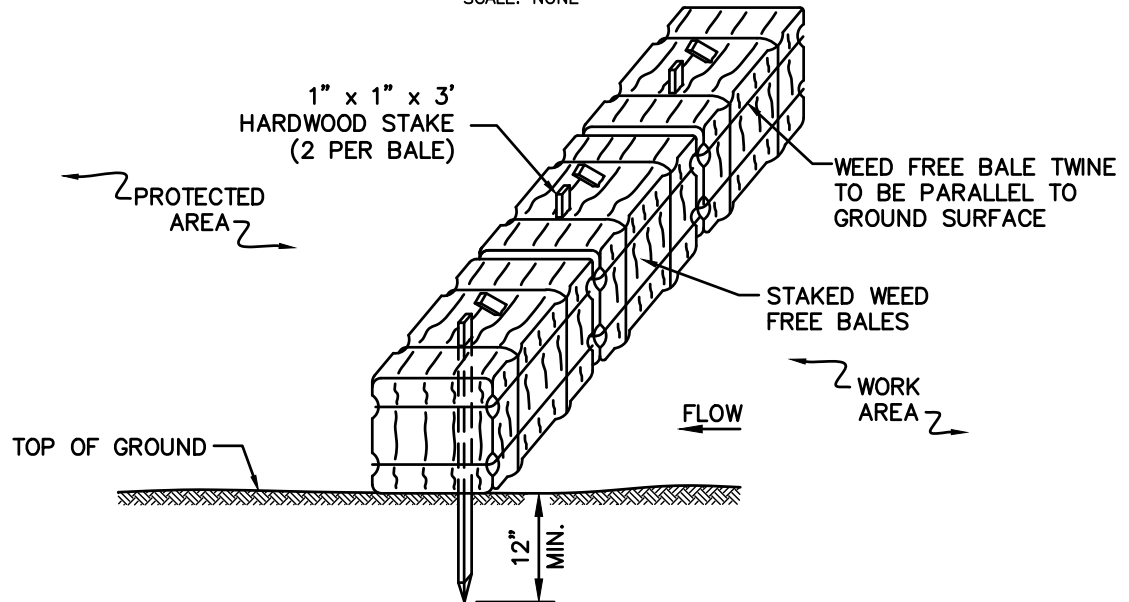
Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP DETAIL**

SCALE: NONE

**NOTES:**

1. THE GROUND SHALL BE PREPARED TO PROVIDE COMPLETE CONTACT WITH THE BALES.

**BMP PICTURE****APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES**

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VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

SEC-1

WEED FREE BALE BARRIER

**SUBJECT**

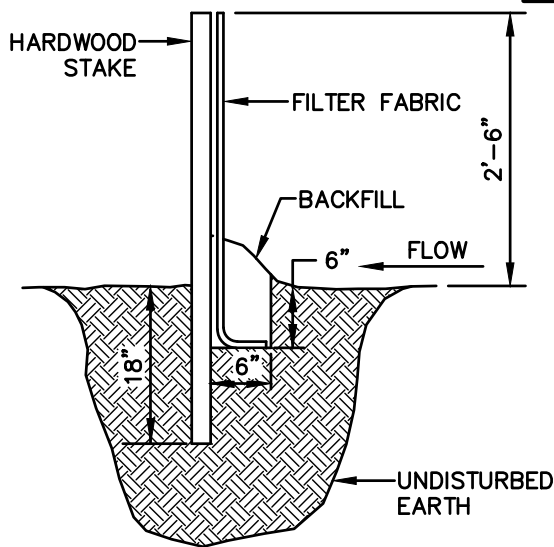
Access, Maintenance and Construction  
Best Management Practices

**Reference**

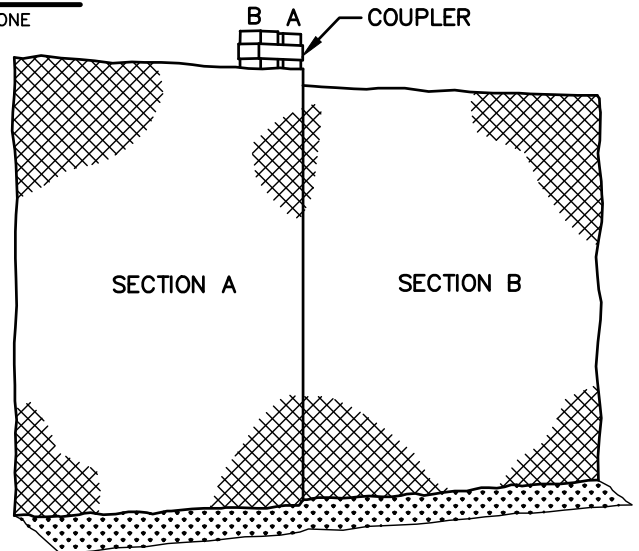
EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP DETAIL**

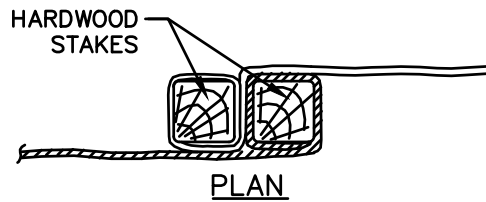
SCALE: NONE



PROFILE



SECTION



PLAN

**BMP PICTURE**



**APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES**

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SEC-2  
**SEDIMENT CONTROL FENCE**

## SUBJECT

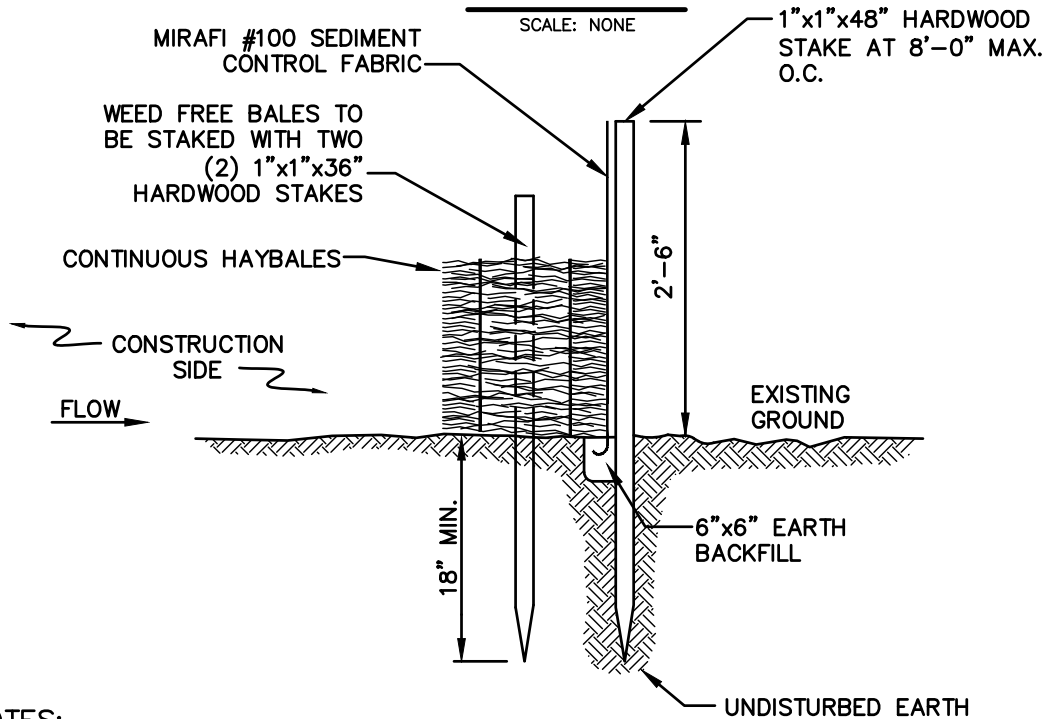
Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP DETAIL**

SCALE: NONE

**NOTES:**

1. BALES SHALL BE PLACED IN A ROW WITH THE ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. BALES SHALL BE SECURELY ANCHORED IN PLACE BY TWO (2) 1"x1"x36" HARDWOOD STAKES DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
3. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
4. BALES SHALL BE REMOVED AND REPLACED WHEN THEY BECOME FILLED WITH SEDIMENT AND BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
5. BALES SHALL BE REMOVED WHEN THE EMBANKMENTS STABILIZE.
6. BALES TO BE TWINE BOUND.

**BMP PICTURE**

**APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES**

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**SEC-3**  
**SILT FENCE /**  
**WEED FREE BARRIER**

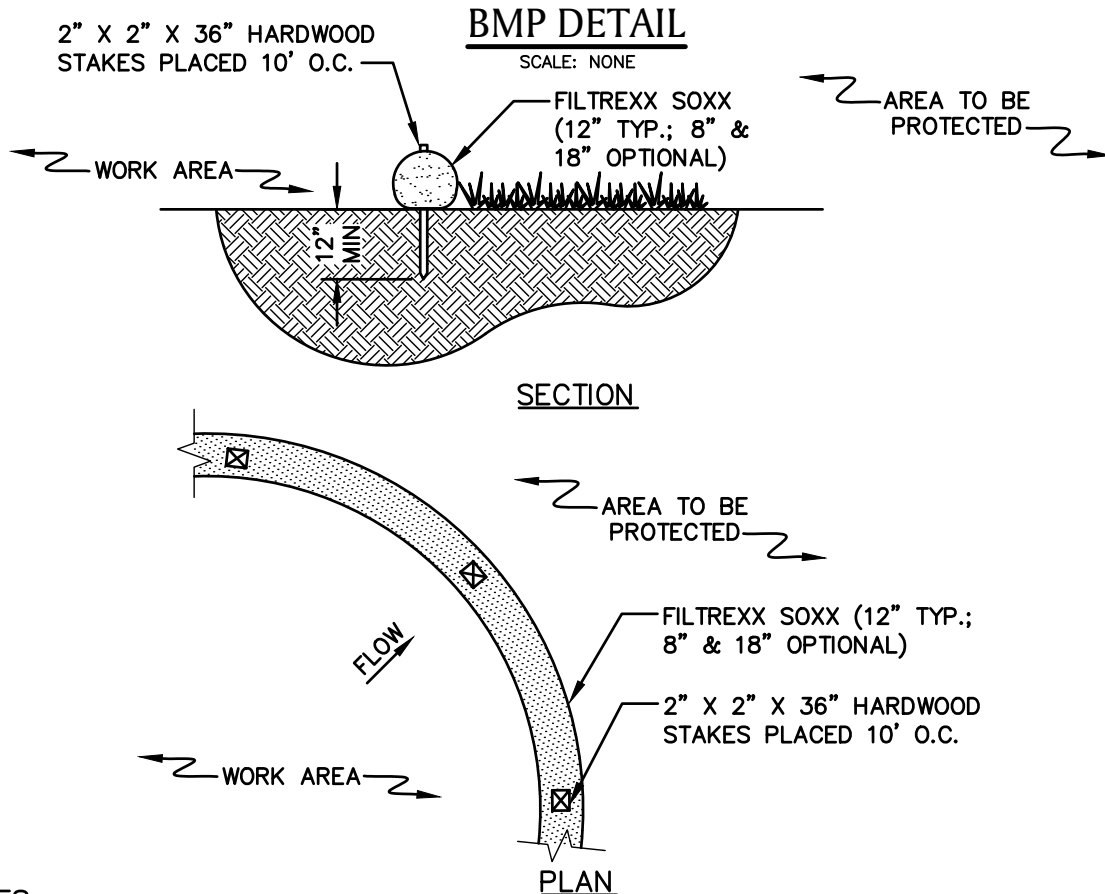


## SUBJECT

Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**NOTES**

1. PRODUCT TO BE FILTREXX SILT SOXX OR APPROVED EQUAL BY NATIONAL GRID ENVIRONMENTAL SCIENTIST.
2. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
3. FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
4. MESH CONTAINMENT MATERIAL SHOULD BE KNITTED PHOTODEGRADABLE OR BIODEGRADABLE MATERIAL, WITH OPENING SIZES BETWEEN 1/8" – 3/8".
5. COMPOST MEDIA SHOULD HAVE PARTICLE SIZE WHERE 99% < 2", 50% > 1/2".
6. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY NATIONAL GRID ENVIRONMENTAL SCIENTIST.

**BMP PICTURE**

\* PICTURE AND DETAIL PROVIDED BY FILTREXX LAND IMPROVEMENT SYSTEMS  
APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES  
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VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

SEC-4  
SILT SOXX \*

## SUBJECT

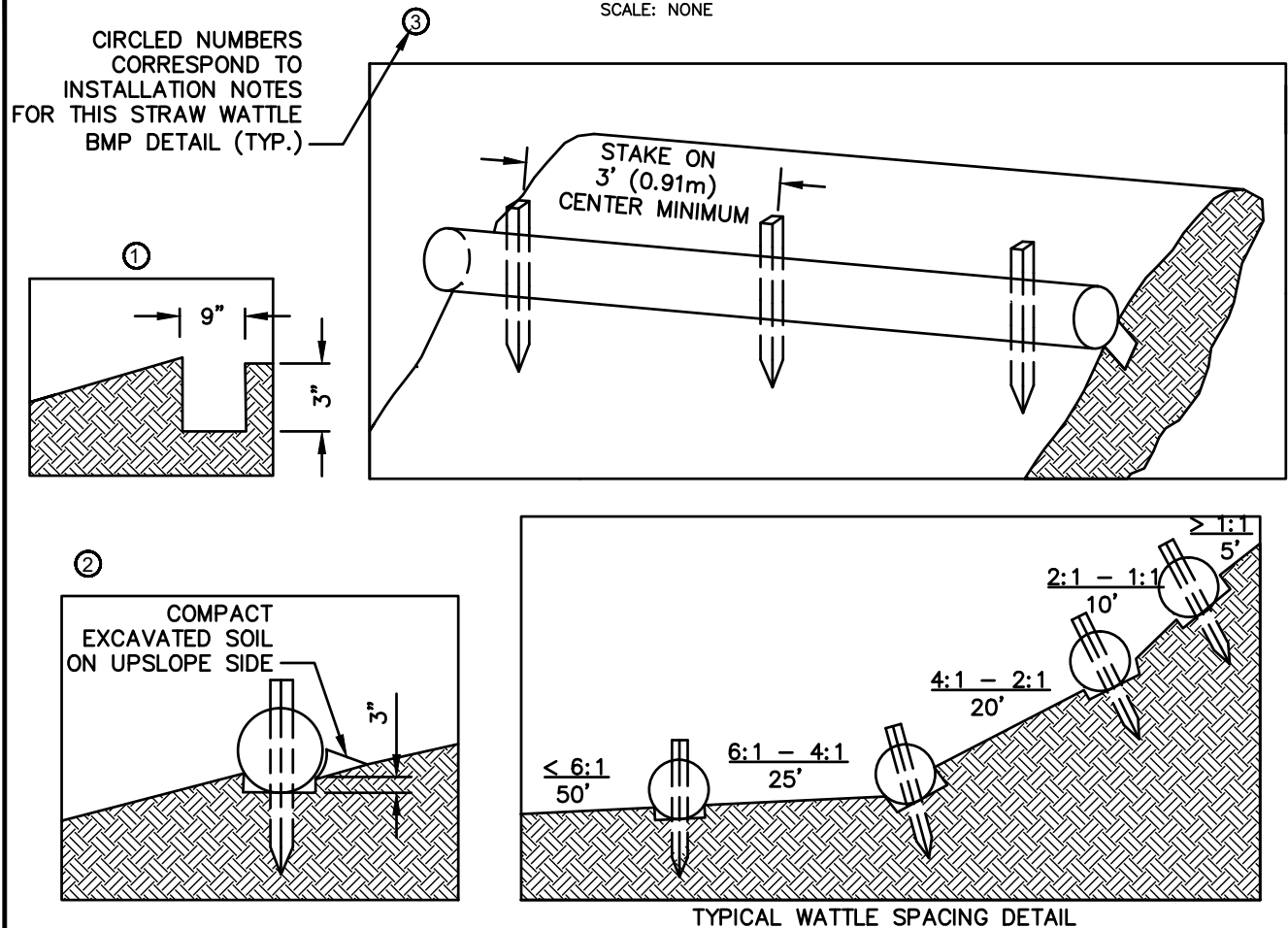
Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP DETAIL**

SCALE: NONE

**NOTES:**

1. PRODUCT TO BE TENSAR NORTH AMERICAN GREEN STRAW WATTLE OR APPROVED EQUAL BY NATIONAL GRID ENVIRONMENTAL SCIENTIST.
2. TYPICAL WATTLE SPACING BASED ON SLOPE GRADIENT. COORDINATE SPACING AND LOCATION WITH NATIONAL GRID ENVIRONMENTAL SCIENTIST.
3. MINIMUM 12" DIAMETER WATTLES SHOULD BE USED FOR HIGHLY DISTURBED AREAS (I.E., HEAVILY USED ACCESS ROAD WITH ADJACENT WETLAND) AND MINIMUM 9-10" WATTLES SHOULD BE USED FOR LESS DISTURBED SOILS.

**INSTALLATION NOTES:**

1. BEGIN AT THE LOCATION WHERE THE WATTLE IS TO BE INSTALLED BY EXCAVATING A 2-3" DEEP X 9" 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 TIGHTLY ABUT.
3. SECURE THE WATTLE WITH 18-24" HARDWOOD 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 SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.

\* DETAIL AND PICTURE PROVIDED BY TENSAR NORTH AMERICAN GREEN  
APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES  
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SEC-5  
STRAW WATTLE \* (1 OF 2)

## SUBJECT

Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

BMP PICTURE

STRAW WATTLE – SHALLOW SLOPE ( $\leq 4:1$ )  
(ALTERNATE STAKING)

ALTERNATE STAKING INSTALLATION NOTES:

1. ON SHALLOW SLOPES ( $\leq 4:1$ ), STRAW WATTLE MAY BE SECURED WITH 18–24" HARDWOOD STAKES DRIVEN AGAINST THE SIDES OF THE WATTLE INSTEAD OF THROUGH. STAKES SHALL ALTERNATE SIDES, AND BE SPACED 3–4' MAX.
2. TWINE SHALL BE TIED FROM STAKE TO STAKE, CRISS-CROSSING THE STRAW WATTLE. TIE TWINE TO STAKES BELOW THE HEIGHT OF THE WATTLE.



## SUBJECT

Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP****Definition**

Applying coarse plant residue or chips, or other suitable materials, to cover the soil surface.

**Purpose**

The primary purpose is to provide initial erosion control while a seeding or shrub planting is establishing. Mulch will conserve moisture and modify the surface soil temperature and reduce fluctuation of both. Mulch will prevent soil surface crusting and aid in weed control. Mulch is also used alone for temporary stabilization in non-growing months.

**Conditions Where Practice Applies**

On soils subject to erosion and on new seedings and shrub plantings. Mulch is useful on soils with low infiltration rates by retarding runoff.

**Criteria**

Site preparation prior to mulching requires the installation of necessary erosion control or water management practices and drainage systems.

Slope, grade and smooth the site to fit needs of selected mulch products.

Remove all undesirable stones and other debris to meet the needs of the anticipated land use and maintenance required.

Apply mulch after soil amendments and planting is accomplished or simultaneously if hydroseeding is used.

Select appropriate mulch material and application rate or material needs. Determine local availability.

Select appropriate mulch anchoring material.

NOTE: The best combination for grass/legume establishment is straw (cereal grain) mulch applied at 2 ton/acre (90 lbs./1000sq.ft.) and anchored with wood fiber mulch (hydromulch) at 500 – 750 lbs./acre (11 – 17 lbs./1000 sq. ft.). The wood fiber mulch must be applied through a hydroseeder immediately after mulching.

**NOTE:**

1. PICTURE DEPICTS STRAW MULCH APPLICATION (FROM MULCH SPREADER) ON STEEP SLOPE WITH AN IMPROVED DRAINAGE SWALE.
2. COORDINATE MULCH MATERIALS AND RATES WITH NATIONAL GRID ENVIRONMENTAL SCIENTIST.

\* BMP INFORMATION FROM "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (AUGUST, 2005)." INFORMATION OBTAINED VIA WEBSITE: <http://www.dec.ny.gov/chemical/29086.html>  
APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES  
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**SEC-9**

MULCH MATERIALS, RATES AND  
USES (FROM NY) \*

## SUBJECT

Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

## UPLAND ROW RESTORATION MIX – GENERAL

### Species Composition Options:

- Andropogon gerardii; Niagra Big Bluestem
- Schizachyrium scoparium; Little Bluestem
- Elymus Canadensis; Canada Wild Rye
- Elymus virginicus; Virginia Wildrye
- Lolium multiflorum; Annual Ryegrass
- Sorghastrum nutans; Indiangrass
- Chamaecrista fasciculata; Partridge Pea
- Desmodium canadense; Showy Tick Trefoil
- Heliopsis helianthoides; Ox-Eye Sunflower
- Panicum virgatum; Switchgrass
- Rudbeckia hirta; Black Eyed Susan
- Poa palustris; Fowl Bluegrass
- Agrostis perennans; Upland Bentgrass
- Agrostis alba; Redtop
- Festuca rubra; Red Fescue
- Lotus corniculatus; Birds-Foot Trefoil
- Chrysanthemum leucanthem; Ox-Eye Daisy
- Aster novae-angliae; New England Aster

### Example Seed Mixes:

1. Native Upland wildlife forage and Cover Meadow Mix – Ernst Conservation Seeds (ERNMX-123)
2. Eastern Ecotype Native Grass Mix– Ernst Conservation Seeds (ERNMX-177)
3. New England Native Warm Season Grass Mix – New England Wetland Plants, Inc.
4. New England Logging Road Mix – New England Wetland Plants, Inc.
5. Northeast Upland Wildflower/Restoration Erosion Mix – Southern Tier Consulting (STCMX-2)

## UPLAND ROW RESTORATION MIX – DRY/ROCKY SITES

### Species Composition Options:

- Festuca rubra; Red Fescue
- Schizachyrium scoparium; Little Bluestem
- Elymus Canadensis; Canada Wild Rye
- Bouteloua gracilis; Blue Grama
- Lolium multiflorum; Annual Ryegrass
- Lolium perenne; Perennial Ryegrass
- Agrostis scabra; Rough Bentgrass
- Agrostis perennans; Upland Bentgrass
- Sorghastrum nutans; Indiangrass

### Example Seed Mixes:

1. New England Erosion Control/ Restoration Mix for Dry Sites – New England Wetland Plants, Inc.
2. Ernst Conservation Seeds and similar companies can create a custom seed mix matching the composition above (with site specific additions if necessary).

## SUBJECT

Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**WETLAND ROW RESTORATION MIX**Species Composition Options:

- Agrostis stolonifera; Creeping Bentgrass
- Poa trivialis; Rough Bluegrass
- Alopecurus arundinaceus; Creeping Meadow Foxtail
- Lolium multiflorum; Annual Ryegrass
- Festuca rubra; Creeping Red Fescue
- Elymus virginicus; Virginia Wildrye
- Schizachyrium scoparium; Little Bluestem
- Andropogon gerardii; Niagra Big Bluestem
- Carex vulpinoidea; Fox sedge
- Panicum virgatum; Switchgrass
- Agrostis scabra; Rough Bentgrass
- Aster novae-angliae; New England Aster
- Eupatorium perfoliatum; Boneset
- Euthamia graminifolia; Grass Leaved Goldenrod
- Scirpus atrovirens; Green Bulrush
- Verbena hastata; Blue Vervain
- Juncus effusus; Soft Rush
- Scirpus cyperinus; Wool Grass
- Panicum clandestinum; Deertongue

Example Seed Mixes

1. New England Erosion Control/Restoration Mix for Detention Basins and Moist Sites – New England Wetland Plants, Inc.
2. Northeast Wetland Grass Seed Mix – Southern Tier Consulting (STCMX-7)
3. Ernst Conservation Seeds and similar companies can create a custom seed mix matching the composition above (with site specific additions if necessary).

GERNERAL NOTES:

1. Seed mixes described herein are intended to cover a variety of typical new england landscapes. However, site specific seed mixes will need to be evaluated in coastal or mountainous regions.
2. Seed mixes described herein are intended for general ROW restoration. Site specific wetland seed mixes may be required by local, state and/or federal regulators for certain impacts to wetlands.
3. All seed mixes are to be approved by National Grid Environmental Scientist prior to construction and must conform with all project permits.
4. Seedbed preparation and maintenance as well as temporary erosion and sediment controls are crucial to the establishment of newly seeded areas. Coordinate with National Grid Environmental Scientist on seed bed preparation and maintenance as well as temporary erosion and sediment controls prior to construction.

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**SEC-11**

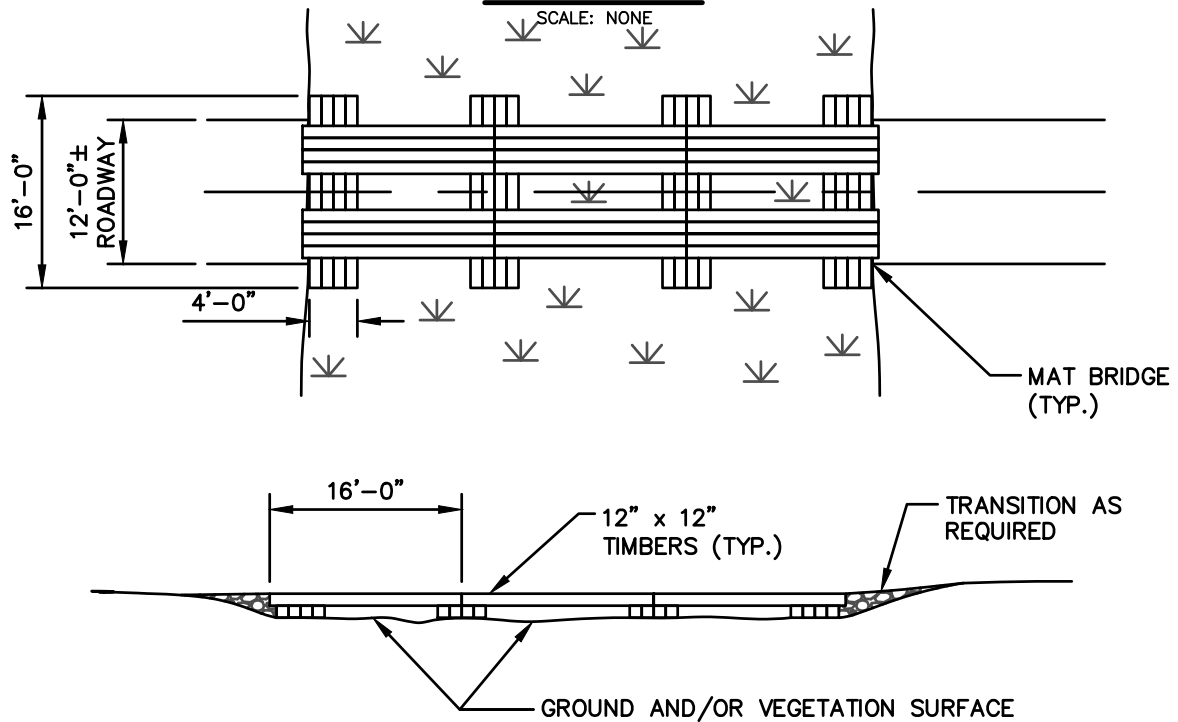
**SEEDING OPTIONS -  
WETLAND SEED MIX**

## SUBJECT

Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP DETAIL****NOTES:**

1. IF MATS ARE INSTALLED IN A WETLAND AREA, INSTALL EROSION CONTROLS TO CONTAIN MATERIAL UTILIZED IN THE MAT TRANSITIONS.

**BMP PICTURE**

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**CM-2**  
**CONSTRUCTION MAT BRIDGE**  
**(1 OF 2)**



## SUBJECT

Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP PICTURE - SINGLE SPAN**

SCALE: NONE

**NOTES:**

1. WHERE STREAM WIDTH ALLOWS, INSTALL CONSTRUCTION MATS TO SPAN THE WATERCOURSE IN ITS ENTIRETY WITHOUT STRINGER PLACEMENT IN THE WATER OR ANY RESTRICTION OF STREAM FLOW.
2. INSTALLATION OF THE CONSTRUCTION MAT BRIDGE SHALL NOT DAMAGE THE STREAM BED AND BANKS. WHERE POSSIBLE, FOOTERS SHALL BE PLACED PARALLEL TO THE TOP OF THE STREAM BANKS, WITH ACCESS MATTING PLACED ACROSS THE TOP OF THE STRINGERS DISTRIBUTING THE WEIGHT OF THE CONSTRUCTION EQUIPMENT.
3. AT STREAM CROSSINGS THAT CANNOT BE SPANNED BY A SINGLE SECTION OF CONSTRUCTION MATTING, AND WHERE PERMITS ALLOW, STRINGERS SHALL BE PLACED ATOP THE STREAM BED PARALLEL TO THE FLOW OF WATER.

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**CM-2**  
**CONSTRUCTION MAT BRIDGE**  
**(2 OF 2)**

## SUBJECT

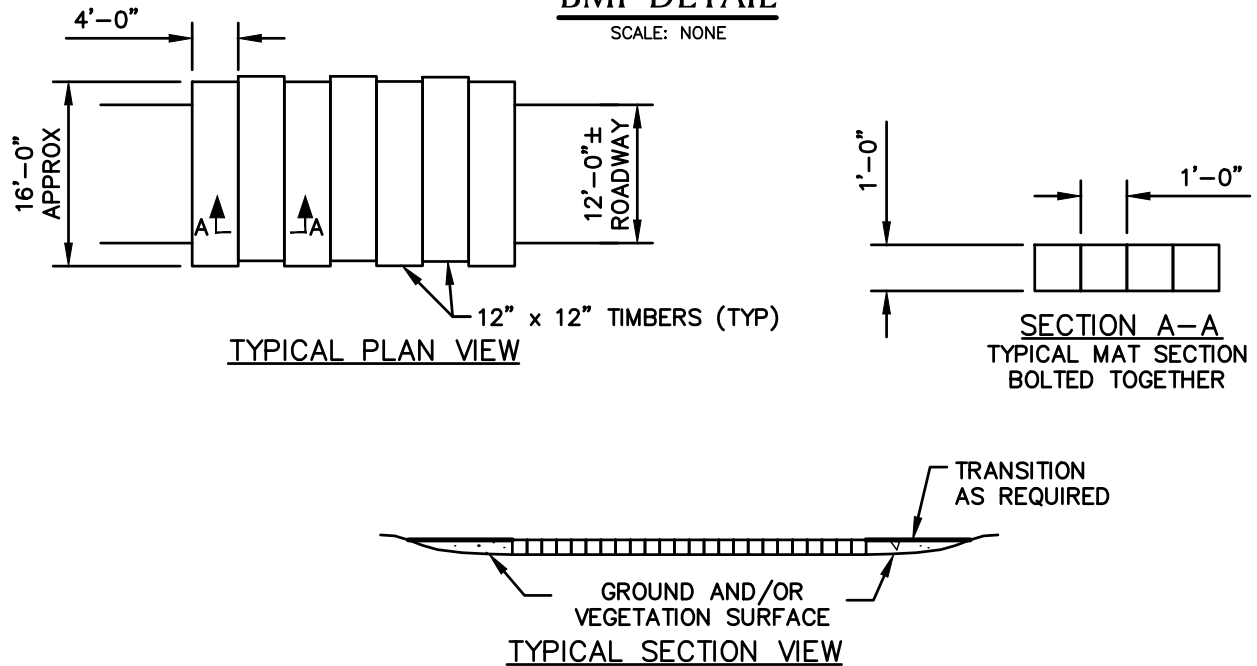
Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP DETAIL**

SCALE: NONE

**NOTES:**

1. TO BE INSTALLED IF NECESSARY TO PREVENT RUTTING, TO ACCESS STRUCTURES.
2. THIS DETAIL SHOWS TYPICAL DIMENSIONS. SOME CONTRACTOR'S CONSTRUCTION MATS ARE DIMENSIONALLY DIFFERENT FROM WHAT IS SHOWN HERE.
3. DEPENDENT ON SITE CONDITIONS, MULTIPLE LAYERS OF CONSTRUCTION MATS MAY BE INSTALLED.

**BMP PICTURE**

CM-3

CONSTRUCTION MAT LAYOUT  
(WITH TRANSITION)

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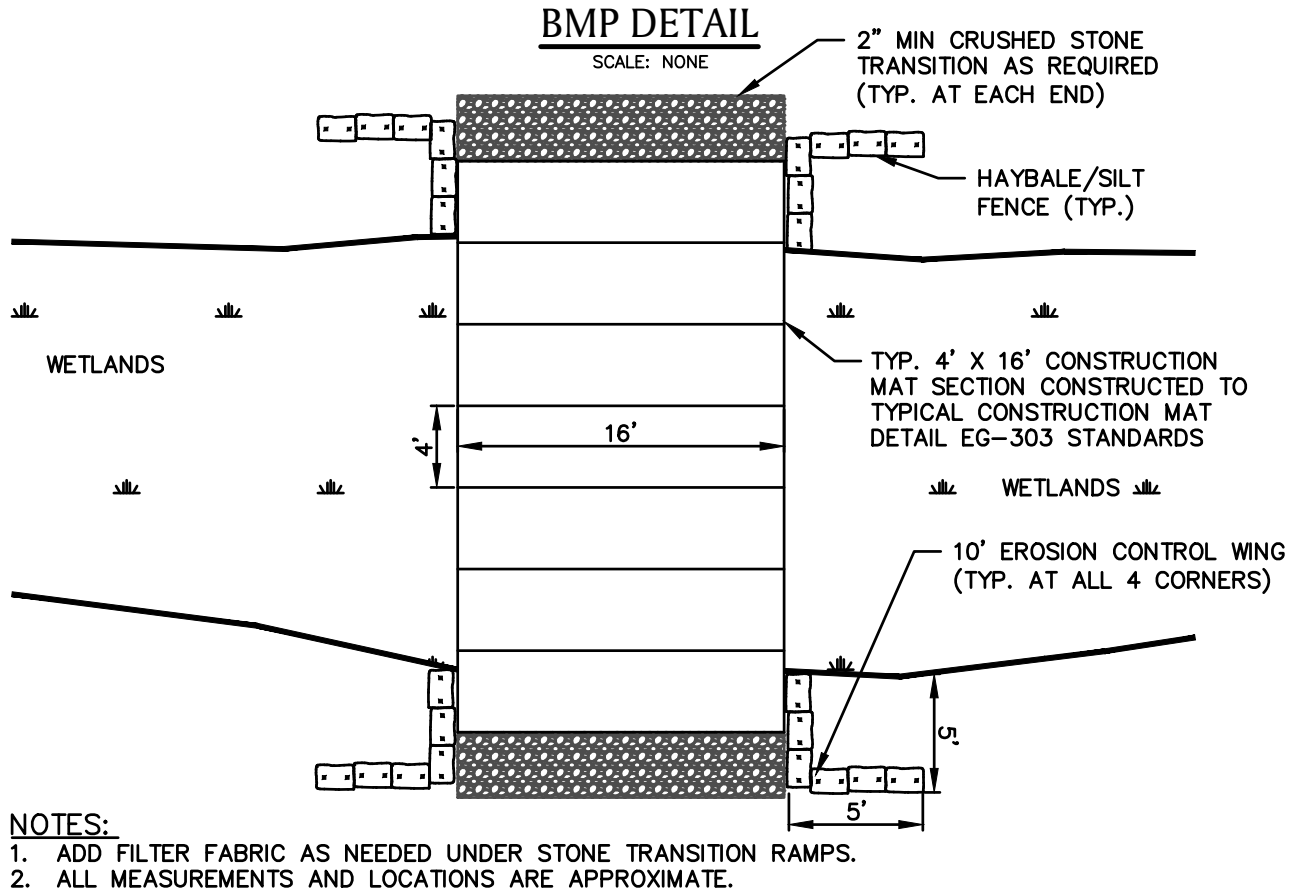


## SUBJECT

Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP PICTURE****CM-4**

CONSTRUCTION MAT LAYOUT  
(WITH TRANSITION AND BMPs)

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## SUBJECT

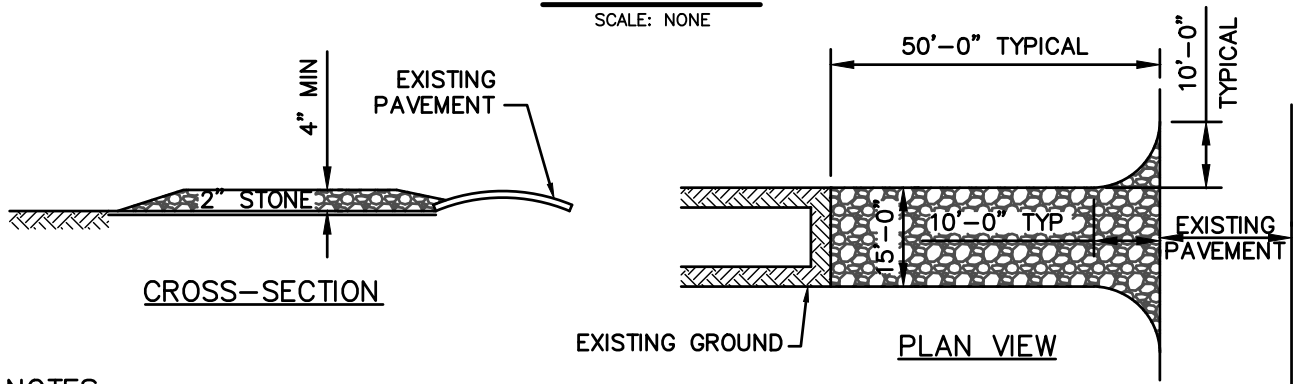
Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP DETAIL**

SCALE: NONE

**NOTES:**

1. STONE SIZE – USE 2" STONE (MINIMUM) TO 6" STONE (MAXIMUM)
2. LENGTH – GREATER THAN OR EQUAL TO 50 FEET
3. THICKNESS – 4"
4. WIDTH – FIFTEEN (15) FOOT TYP., BUT NOT LESS THAN FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS ENTRANCE. IF PIPING IS IMPRACTICAL, MOUNTABLE BERM SHALL BE PERMITTED.
6. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED.
8. THE CLEAN STONE SHOULD BE INSTALLED OVER A GEOTEXTILE FABRIC. GEOTEXTILE FABRIC MAY BE OMITTED FOR PERMANENT CONSTRUCTION ENTRANCES/EXITS ON A CASE-BY-CASE BASIS WITH THE APPROVAL OF THE NATIONAL GRID ENVIRONMENTAL SCIENTIST.
9. FOLLOWING CONSTRUCTION, THE CONSTRUCTION ENTRANCE/EXIT SHALL BE REMOVED AND THE AREA GRADED, SEEDED, AND MULCHED AS NEEDED. ENTRANCE/EXITS MAY REMAIN DEPENDING UPON FUTURE ACCESS NEEDS AND/OR PROJECT-SPECIFIC APPROVALS BUT REQUIRES APPROVALS FROM THE NATIONAL GRID ENVIRONMENTAL SCIENTIST AND PROPERTY LEGAL.

**BMP PICTURE**

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CM-8  
TEMPORARY CONSTRUCTION  
ENTRANCE/ EXIT

## SUBJECT

Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

BMP PICTURENOTE:

1. PICTURE SHOWS VIEW OF ACCESS WAY STABILIZATION ADJACENT TO A WETLAND.
2. COORDINATE STABILIZATION DESIGN AND PRODUCT WITH NATIONAL GRID ENVIRONMENTAL SCIENTIST.



## SUBJECT

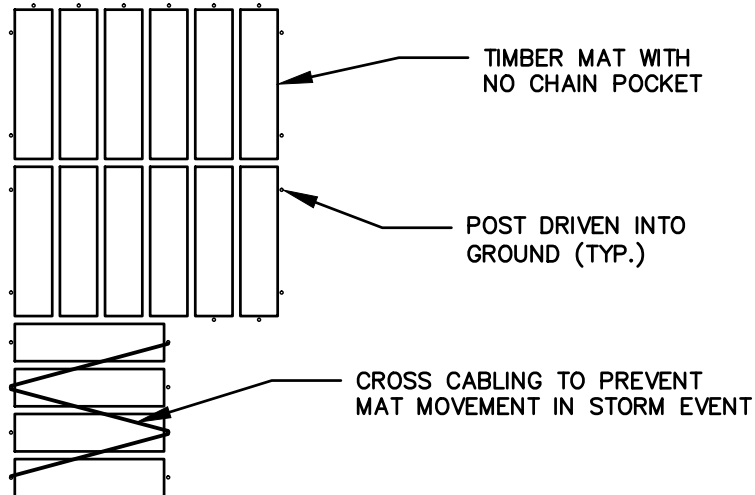
Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP DETAIL 1**

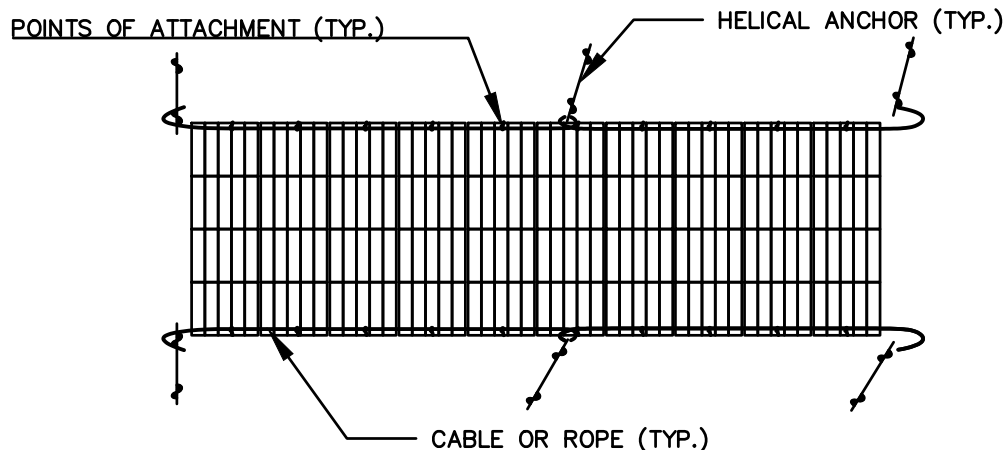
SCALE: NONE

**TYPICAL PLAN VIEW****NOTES:**

1. EXAMPLES OF ANCHORING ONLY. MATTING CONTRACTOR SHALL PROPOSE THE METHOD OF ANCHORING BASED ON FIELD CONDITIONS.
2. ANCHORING METHOD TO BE APPROVED BY THE NATIONAL GRID ENVIRONMENTAL SCIENTIST AND TRANSMISSION LINE CONSTRUCTION SUPERVISOR.

**BMP DETAIL 2****NOTES:**

1. TYPICAL HELICAL ANCHOR AND CABLE CONFIGURATION FOR MAT CONTAINMENT IN FLOODPLAINS/LAND SUBJECT TO FLOODING.
2. TYPICAL POINTS OF ATTACHMENT HEAVY STAPLES, EYE BOLTS OR OTHER SUITABLE HARDWARE TO SECURE ATTACHMENT OF MAT TO LINEAR CABLE. IF CHAIN POCKETS ARE PRESENT IN THE MATS CABLE OR ROPE CAN BE LOOPED THROUGH RODS.

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**CM-12**  
**EXAMPLE OF CONSTRUCTION MAT**  
**ANCHORING (1 OF 2)**

## SUBJECT

Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP PICTURE 1****BMP PICTURE 2**

## SUBJECT

Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP DETAIL**

SCALE: NONE

# WIRE BACKED SILT FENCE

**MUTUAL INDUSTRIES WIRE BACKED SILT FENCE**

PART # 1776-14-24

36" X 100'

36" MISF 1776 FABRIC

24" 14GA WIRE MESH

OPENING OF MESH 2" X 4"

FABRIC HOG RINGED EVERY 12"-18" ALONG THE TOP OF THE FENCE

ROLL WEIGHT 40 LBS

32 ROLLS PER PALLET

**NOTES:**

1. PRODUCT TO BE MUTUAL INDUSTRIES' WIRE BACKED SILT FENCE OR APPROVED EQUAL BY NATIONAL ENVIRONMENTAL SCIENTIST.
2. COORDINATE INSTALLATION METHOD AND LOCATION WITH NATIONAL GRID ENVIRONMENTAL SCIENTIST.

\* PICTURE AND DETAIL PROVIDED BY MUTUAL INDUSTRIES

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AA-1

REINFORCED SILT FENCE \*



## SUBJECT

Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

BMP PICTURENOTE:

1. PICTURE SHOWS SEDIMENT FILTER WITHIN A WETLAND.

## SUBJECT

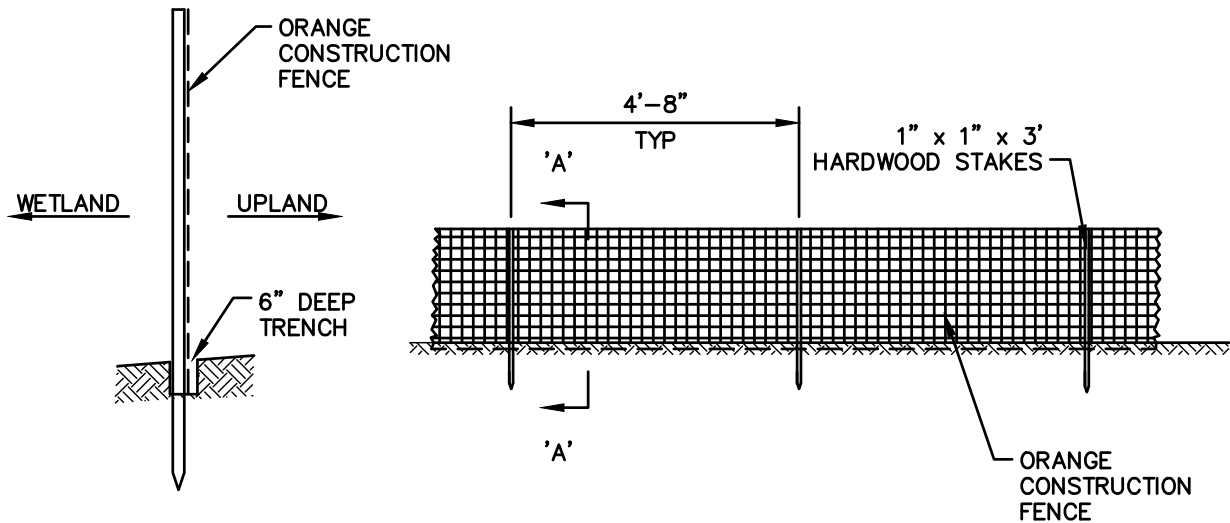
Access, Maintenance and Construction  
Best Management Practices

## Reference

EP No. 3 - Natural Resource  
Protection (Chapter 6)

**BMP DETAIL**

SCALE: NONE

**SECTION A-A****BMP PICTURE****APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES**

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**AA-15**  
**BARRIER FENCE**  
**(CONSTRUCTION FENCE)**