

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

Notice of Intent

Pelham, MA
Conservation Commission
March 2024

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

BSC Project No. 89599.46

March 20, 2024

Pelham Conservation Commission
351 Amherst Road
Pelham, MA 01002

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

Dear Members of the Pelham 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 E5W/F6W Transmission Lines Right-of-Way (ROW) in Pelham, Massachusetts (the Project). The proposed borings are necessary for the planning and design of future improvements to the lines. Following guidance from MassDEP WERO, soil borings for planning and design of activities along an existing utility Transmission Line are considered exempt utility maintenance under the WPA and its implementing regulations 310 CMR 10.02(2)(a)(2). Therefore, this NOI is being submitted solely under the Town of Pelham Wetland Bylaw Chapter 119 and its Regulations.

Project activities include access to soil boring B-431 located in Shutesbury, MA from Old Pratts Corner Road in Pelham, MA, and soil borings at Structure 421 off of North Valley Road, Structure 407 off of Amherst Road, Structures 390, 397, 402 off Tower Road and Structure 377 located off Daniel Shays Highway. Project activities will be located within an existing, managed ROW and along historically used access. Activities will be located within Bordering Vegetated Wetlands (BVW), Riverfront Area associated with an unnamed stream, and the 100-foot Buffer Zone to BVW / Inland Bank. 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. Although the Project will result in temporary impacts to BVWs, the areas will be restored, and no permanent wetland impacts are proposed. Best Management Practices (BMPs) will be implemented to avoid and minimize impacts to resource areas outside of the access route.

The E5/F6 ROW is one of NEP's oldest ROWs throughout its system. As a result, access conditions vary considerably throughout the ROW. Existing access is present in some areas, but in others, the historic access route is no longer discernible. In order to facilitate the safe passage of the soil boring equipment, including equipment needed to install temporary construction matting across wetlands, as indicated on the Environmental Resource Mapping in **Attachment B**, access and work area improvements will be required as described in Section 3 of the enclosed Project Narrative.

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 proposed. Construction mats associated with utility projects are regulated by the Comprehensive Water Quality Certification for Utility Maintenance (#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 for the activities described herein.

We respectfully request that this matter be heard at the next scheduled Conservation Commission hearing. If you have any questions regarding the enclosed information, please contact me at (806) 452-9136 or Mike Tyrrell of National Grid at (603) 801-4140. Thank you for your consideration in this matter.

Thank you,
BSC Group, Inc.



Erasme da Cruz
Ecological Project Manager, BSC Group, Inc.

cc: Michael Tyrrell, New England Power Company
Pelham Board of Health (electronic copy)
Pelham Building Inspector (electronic copy)
Pelham Planning Board (electronic copy)
Pelham Superintendent of Public Work (electronic copy)
Quabbin Health District (electronic copy)

Enclosed:

	WPA Form 3
	Copy of filing fee checks
Attachment A:	Project Narrative
Attachment B:	USGS Locus Map & Environmental Resources Map
Attachment C:	Site Photographs
Attachment D:	List of Abutters and Abutters Notification Letter
Attachment E:	National Grid's Best Management Practices

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E5/F6 Transmission Lines Soil Boring Program
Pelham, Massachusetts
Notice of Intent

WPA FORM 3	NOTICE OF INTENT FORM COPY OF FILING FEE CHECK
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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



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

Pelham

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

Pelham

b. City/Town

01002

c. Zip Code

Latitude and Longitude:

see attached

f. Assessors Map/Plat Number

42.35232 and
42.40910

see attached

g. Parcel /Lot Number

-72.39105 and -
72.44935

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

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 (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):

Erasm

a. First Name

da Cruz

b. Last Name

BSC Group, Inc.

c. Company

One Mercantile Street, Suite 610

d. Street Address

Worcester

e. City/Town

MA

f. State

01608

g. Zip Code

806-452-9136

h. Phone Number

i. Fax Number

edacruz@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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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/or associated access will located within BVW, RFA, and/or the 100-ft Buffer Zone to BVW/Inland Bank.

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

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

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

- 1. Yes No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)
- 310 CMR 10.53(3)(d) - 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 CMR10.24(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:

Hampshire	
a. County	b. Certificate # (if registered land)
see attached	see attached
c. Book	d. Page Number

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

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

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



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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	<2 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	unnamed inland 1. Name of Waterway (if available) - specify coastal or inland	

2. Width of Riverfront Area (check one):

- 25 ft. - Designated Densely Developed Areas only
- 100 ft. - New agricultural projects only
- 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: 146,376 square feet

4. Proposed alteration of the Riverfront Area:

<1 temporary <1 temporary 0
 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. 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.

- 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/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 - Bourne to Rhode Island border, and
the Cape & Islands:

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

North Shore - Plymouth to New Hampshire border:

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: 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).



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Provided by MassDEP:
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Pelham
City/Town

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

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

- 4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
 a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
 b. ACEC

- 5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
 a. Yes No
- 6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
 a. Yes No
- 7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
 a. Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
 - 1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
 - 2. A portion of the site constitutes redevelopment
 - 3. Proprietary BMPs are included in the Stormwater Management System.
 b. No. Check why the project is exempt:
 - 1. Single-family house
 - 2. Emergency road repair
 - 3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

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

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

- 1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
- 2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.



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

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City/Town

D. Additional Information (cont'd)

3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4. List the titles and dates for all plans and other materials submitted with this NOI.

Environmental Resources Map

a. Plan Title

BSC Group, Inc.

N/A

b. Prepared By

c. Signed and Stamped by

02/20/2024

1"=100'

d. Final Revision Date

e. Scale

USGS Site Locus Map

02/01/2024

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:

3617

02/26/24

2. Municipal Check Number

3. Check date

N/A

4. State Check Number

5. Check date

BSC Companies, Inc.

6. Payor name on check: First Name

7. Payor name on check: Last Name



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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

02/26/2024

2. Date

3. Signature of Property Owner (if different)

4. Date

02/26/2024

5. Signature of Representative (if any)

6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

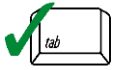
If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



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

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



A. Applicant Information

1. Location of Project:

<u>E5/F6 Transmission Lines Right-of-Way (ROW)</u>	<u>Pelham</u>
a. Street Address	b. City/Town
<u>N/A eDEP</u>	<u>\$362.50</u>
c. Check number	d. Fee amount

2. Applicant Mailing Address:

<u>Michael</u>	<u>Tyrrell</u>	
a. First Name	b. Last Name	
<u>New England Power Company (NEP)</u>		
c. Organization		
<u>170 Data Drive</u>		
d. Mailing Address		
<u>Waltham</u>	<u>MA</u>	<u>02451</u>
e. City/Town	f. State	g. Zip Code
<u>(603) 801-4140</u>	<u>michael.tyrrell@nationalgrid.com</u>	
h. Phone Number	i. Fax Number	j. Email Address

3. Property Owner (if different):

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

B. Fees

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

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

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

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

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

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

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

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

RE: WPA Form 3 Section A.8

Boring ID#s	Parcel ID	Closest Cross Road	Book, Page of Easement
Access to B-431	10-5-6	Old Pratts Corner Road	682, 356
B-421	9-28	North Valley Road	682, 342
B-407	15-12	Amherst Road	683, 169
B-402	15-2	Tower Road	682, 357
B-390	14-2		682, 345
B-377	20-2.A	Daniel Shays Highway	682, 344

COPY OF FILING FEE CHECK

3618

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

PAY TO THE ORDER OF

Town of Pelham

Eastern Bank

Boston, MA 02110
easternbank.com
1-800-525-5251

FOR 0160181-23

DATE 2/26/24 \$ 50.00

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



Security Features Details on back

3617

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

PAY TO THE ORDER OF

Three hundred eighty-seven dollars

Eastern Bank

Boston, MA 02110
easternbank.com
1-800-525-5251

FOR 0160181-23

DATE 2/30/24 \$ 387.50

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



Security Features Details on back

Attachment A

Central to Western MA Energy Improvement Project
E5/F6 Transmission Lines Soil Boring Program
Pelham, 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 E5W/F6W Transmission Lines Right-of-Way (ROW) in Pelham, Massachusetts (the Project). The proposed borings are necessary for the planning and design of future improvements to the lines. Following guidance from MassDEP WERO, soil borings for planning and design of activities along an existing utility Transmission Line are considered exempt utility maintenance under the WPA and its implementing regulations 310 CMR 10.02(2)(a)(2). Therefore, this NOI is being submitted solely under the Town of Pelham Wetland Bylaw Chapter 119 and its Regulations.

Project activities include access to soil boring B-431 located in Shutesbury, MA from Old Pratts Corner Road in Pelham, MA, and soil borings at Structure 421 off of North Valley Road, Structure 407 off of Amherst Road, Structures 390, 397, 402 off Tower Road and Structure 377 located off Daniel Shays Highway. Project activities will be located within an existing, managed ROW and along historically used access. Activities will be located within Bordering Vegetated Wetlands (BVW), Riverfront Area associated with an unnamed stream, and the 100-foot Buffer Zone to BVW / Inland Bank. 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. Although the Project will result in temporary impacts to BVWs, the areas will be restored, and no permanent wetland impacts are proposed. Best Management Practices (BMPs) will be implemented to avoid and minimize impacts to resource areas outside of the access route.

The E5/F6 ROW is one of NEP's oldest ROWs throughout its system. As a result, access conditions vary considerably throughout the ROW. Existing access is present in some areas, but in others, the historic access route is no longer discernible. In order to facilitate the safe passage of the soil boring equipment, including equipment needed to install temporary construction matting across wetlands, as indicated on the Environmental Resource Mapping in **Attachment B**, access and work area improvements will be required as described in Section 3 of the enclosed Project Narrative.

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 proposed. Construction mats associated with utility projects are regulated by the Comprehensive Water Quality Certification for Utility Maintenance (#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 for the activities described herein.

2 EXISTING CONDITIONS

Project activities are proposed at structures along the E5/F6 Transmission Lines ROW in Pelham, 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 2022 and 2023 in accordance with the methodology described in the MassDEP *Handbook for Delineating Bordering Vegetated Wetlands* (Published in March 1995) and the updated MassDEP *Handbook for Delineation of Bordering Vegetated Wetlands* (Published in September 2022).

The Environmental Resources Map in **Attachment B** depicts existing conditions, wetland resource areas, and buffer zones, in relation to the proposed activities. Temporary impacts are proposed within Outstanding Resource Waters (ORW) BVW, RFA and the 100-foot Buffer Zone to BVW / Inland Bank.

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. Less than 1 square foot (sf) of temporary impacts per boring are anticipated within BVW for the soil borings, for a total of < 2 sf. No permanent impacts to BVW are proposed.

2.3 Riverfront Area

The boring at Structure 407 is located within inner RFA associated with an unnamed perennial stream. The stream is located south of the structure on the opposite side of North Valley Road. Less than 1 sf of temporary impacts from the boring are proposed. No permanent impacts to RFA are proposed.

2.4 100-ft Buffer Zone

The Town of Pelham also regulates the 100-ft Buffer Zone to “any freshwater wetland, including isolated wetlands, any marsh, wet meadows, bog or swamp; any surface, subsurface or intermitted stream or headwaters to a stream, any pond, land under water bodies;” as a resource area under Section 119-2 (A) (1) & (2) of the Pelham Wetland Bylaw. Boring at Structure 402 is located the 100-Buffer Zone, less than 1 sf of temporary impacts from the boring are proposed. No permanent impacts to the Buffer Zone are proposed.

2.5 Other Resource Areas

Other resource areas identified within or near the Project area include Surface Water Protection Zones and municipal and state Article 97 Lands. No other resource areas were identified within or near the Project area, including Bordering Land Subject to Flooding (BLSF), Certified Vernal Pools, Natural Heritage & Endangered Species (NHESP) Priority/Estimated Habitat, or Areas of Critical Environmental Concern (ACEC).

3 PROJECT ACTIVITIES AND ANTICIPATED IMPACTS

The Project activities include soil borings and/or associated access for seven (7) locations requiring temporary wetland matting for work envelope and access within BVW and required access and workpad grading are outside of jurisdictional areas. Minor permanent alterations are associated with workpad grading and boulder removals and grading along access road required to perform the work safely. Temporary Project impacts are associated with soil boring activities and the use of construction matting within BVW for access.

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 and is typically completed within 1-2 days. 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. The soil boring contractor has the discretion to shift the boring site within 10 feet of the staked location based on site/field conditions.

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. Grading at select locations of access and work pads will be required; however, these activities are proposed outside of WPA and Pelham Wetland Protection Bylaw and Regulations.

Approximately 30,196 sf 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 impacts to BVW are identified in Table 1 below. There are no temporary impacts in BVW, RFA or Buffer Zone associated with Structure 397.

Table 1. Jurisdictional Areas Temporary Impacts Summary

Boring ID	Activities	Access	BVW	100-ft Buffer Zone to BVW	RFA
B-431 (in Shutesbury)	Temporary access only	Old Pratts Corner Road	465 sf (temporary matting) for access to boring	-	-
B-421	Temporary access only	North Valley Road	4,122 sf (temporary matting) for access to boring	-	-
B- 407	Soil boring and temporary access	Amherst Road	1,242 sf (temporary matting) for work envelope & <0.2 sf (soil boring)	-	<1 sf (soil boring)
B- 402	Soil boring and temporary access	Tower Road	1290 sf (temporary matting) for access to boring	<1 sf (soil boring)	-
B- 390	Temporary access only		12,083 sf (temporary matting) for access to boring	-	-
B- 377	Soil boring and temporary access	Daniel Shays Highway	10,647 sf (temporary matting) for access to boring and work envelope, and <0.2 sf (soil boring)	-	-

4 CONFORMANCE WITH PELHAM WETLAND BYLAW REGULATIONS PERFORMANCE STANDARDS

4.1 No Net Loss Policy for Natural Wetlands

[5.2.1] Natural wetlands perform many functions and it is not possible to replicate all of them. Furthermore, it is difficult even to determine which functions are most probably or exclusively being performed in a given wetland area. Therefore, destruction or alteration of wetlands should only be undertaken most cautiously and only as a last resort. Applicants are advised that the Commission will require wetland replication based on the latest available scientific information and practices and where practicable may require mitigation beyond the 1:1 minimum in order to increase the likelihood of success of the replication effort. Design of replacement wetlands should be based upon a quantitative showing of the functions operating in the natural wetland. Guidelines for replication are available from the Commission and are subject to updating and change as technology improves.

All impacts within vegetated wetlands are temporary, and the placement of temporary matting and collection of sediment samples via the borings will not result in the long-term ability of the wetland to be significant to wildlife, public or private water supply, to ground water supply, to flood control, to storm damage prevention, to the prevention of pollution, and to the protection of fisheries.

4.2 Areas within 100 feet of wetlands and waterbodies (BUFFER AREA)

[5.3.1] The Pelham Wetlands Bylaw recognizes the Buffer Area as being necessary to the protection of the wetland resources and values protected by the Bylaw. Without protected Buffer Areas degradation of wetlands is inevitable. In addition, many wetland species require adjacent uplands for nesting or feeding and therefore from a wildlife perspective Buffer areas are critical. The Commission holds that minimum intrusion into this area best protects the resources. The burden is on the applicant to prove to the satisfaction of the Commission that the project will not harm the interests protected by the Bylaw.

Boring at Structure 402 is located the 100-Buffer Zone, less than 1 sf of temporary impacts from the boring are proposed. No permanent impacts to the Buffer Zone are proposed. Impacts to the Buffer Area for the collection of sediment samples via the borings will allow existing conditions to re-establish within the impacted areas. Protective measures and BMPs will be in place to avoid and minimize impacts to water quality. No permanent impacts in Buffer Area are proposed.

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, upland vegetation within the ROW will be mowed to provide access for vehicles and personnel.

5.4 Restoration of Disturbed Areas

Disturbed areas, outside the footprint of the access routes, 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 minor and temporary impacts to BVW, RFA and the 100-foot Buffer to BVW/Inland Bank;
- And utilize appropriate BMPs to protect wetland resource areas from sedimentation and soil disturbance during boring activities.

Therefore, NEP requests the Pelham Conservation Commission find this proposal adequately protective of the public interests identified in the Pelham Wetland Bylaw and Regulations, and issue an Order of Conditions for the activities described in this narrative.

Attachment B

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

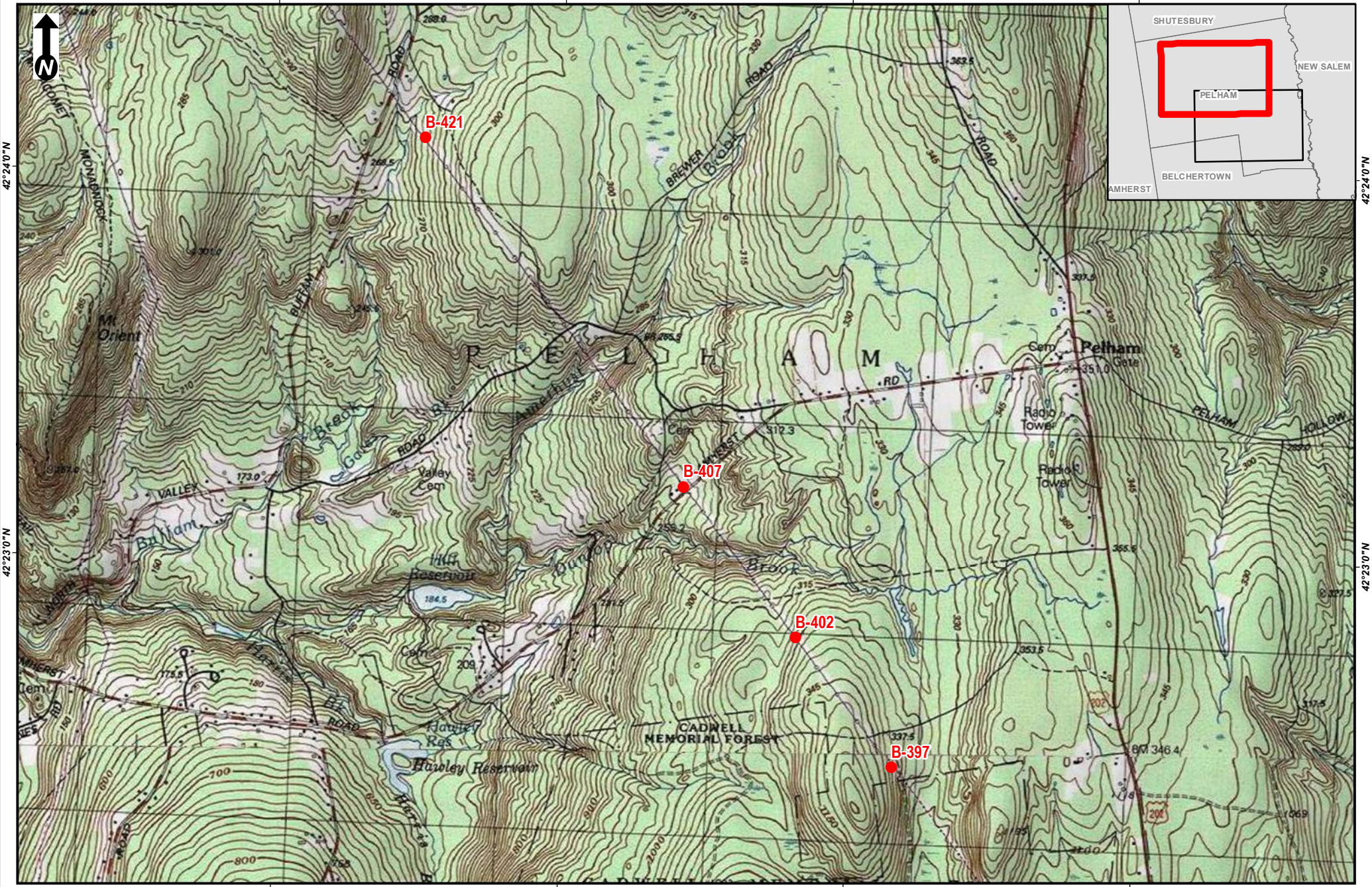
USGS SITE LOCUS MAP
ENVIRONMENTAL RESOURCES MAP

72°27'0"W

72°26'0"W

72°25'0"W

72°24'0"W



42°24'0"N

42°23'0"N

42°24'0"N

42°23'0"N

72°27'0"W

72°26'0"W

72°25'0"W

72°24'0"W

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1 inch = 2,000 feet

0 1,000 2,000

Feet

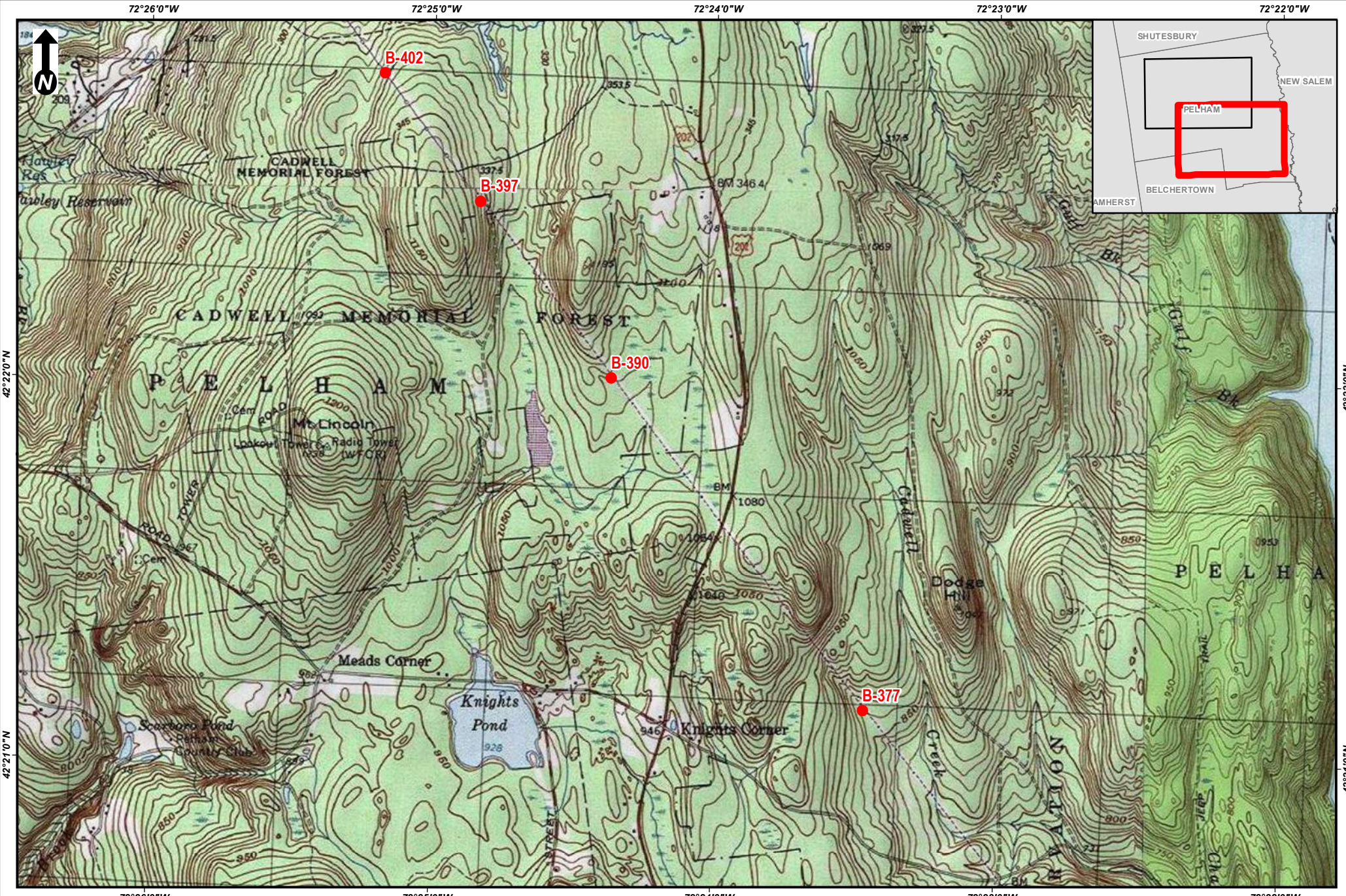
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**CENTRAL TO WESTERN MA ENERGY IMPROVEMENT PROJECT
E5/F6 TRANSMISSION LINES SOIL BORING PROGRAM**

**USGS Site Location Map
Pelham, MA
Page 1 of 2**

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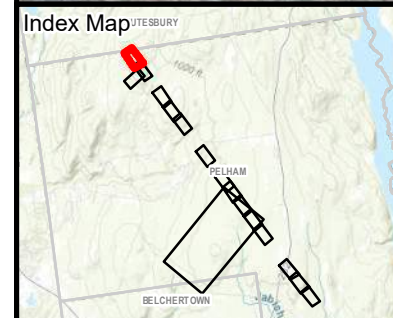
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CENTRAL TO WESTERN MA ENERGY IMPROVEMENT PROJECT
E5/F6 TRANSMISSION LINES SOIL BORING PROGRAM
USGS Site Location Map
Pelham, MA
Page 2 of 2

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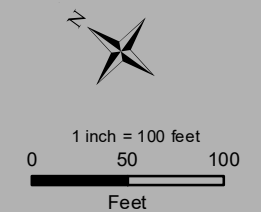


Resource Areas Reviewed:
 MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; Certified Vernal Pools; Potential Vernal Pools; NHESP Priority Habitats; NHESP Estimated Habitats; NHESP Restricted Data; Wild & Scenic 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
	Field Delineated Ditch / Swale
	Field Delineated Stream Area*
	Perennial Stream
	MADEP Hydrologic Connections
	MADEP Wetlands*
	MADEP Open Water*
	100ft Buffer to Isolated Wetlands
	100ft Buffer to Wetlands & Streams
	100ft Buffer to BLSF
	200ft Riverfront Area
	Outstanding Resource Water
	Surface Water Protection Zone
	FEMA 100yr Floodplain*
	Town Boundary
	Access Gate
	Culvert
	Parcel Boundaries
	Article 97 Lands
	Municipal

*Indicates Layers Set to Transparency



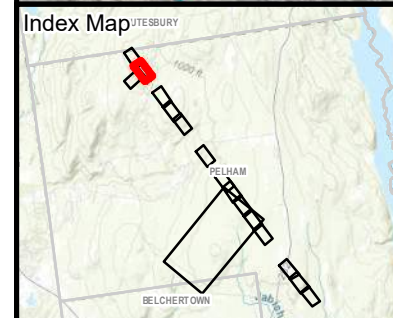
CENTRAL TO WESTERN MA ENERGY IMPROVEMENT PROJECT
E5/F6 TRANSMISSION LINES SOIL BORING PROGRAM
Environmental Resources Map

Shutesbury & Pelham, MA
 Page 1 of 14

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



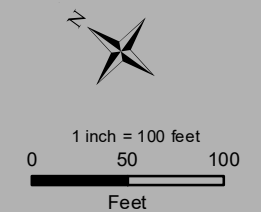
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Legend

Soil Boring	Field Delineated Wetlands*	100ft Buffer to Isolated Wetlands	Culvert
Existing Structure	Field Delineated Stream Centerline	100ft Buffer to Wetlands & Streams	Stonewall
Existing Overhead Line	Field Delineated Inland Bank	100ft Buffer to BLSF	Parcel Boundaries
Edge of ROW	Field Delineated Ditch / Swale	200ft Riverfront Area	
Preferred Access Road	Field Delineated Stream Area*	Outstanding Resource Water	
Alternate Access Road	Perennial Stream	Surface Water Protection Zone	
Construction Matting	MADEP Hydrologic Connections	FEMA 100yr Floodplain*	
Work Envelope*	MADEP Wetlands*	Town Boundary	
Field Delineated Wetland Lines	MADEP Open Water*	Access Gate	

**Indicates Layers Set to Transparency*



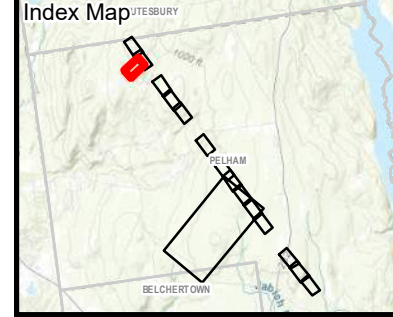
CENTRAL TO WESTERN MA ENERGY IMPROVEMENT PROJECT
E5/F6 TRANSMISSION LINES SOIL BORING PROGRAM
Environmental Resources Map

Pelham, MA
 Page 2 of 14

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



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 Wetlands*	100ft Buffer to Isolated Wetlands	Culvert
Existing Structure	Field Delineated Stream Centerline	100ft Buffer to Wetlands & Streams	Parcel Boundaries
Existing Overhead Line	Field Delineated Inland Bank	100ft Buffer to BLSF	
Edge of ROW	Field Delineated Ditch / Swale	200ft Riverfront Area	
Preferred Access Road	Field Delineated Stream Area*	Outstanding Resource Water	
Alternate Access Road	Perennial Stream	Surface Water Protection Zone	
Construction Matting	MADEP Hydrologic Connections	FEMA 100yr Floodplain*	
Work Envelope*	MADEP Wetlands*	Town Boundary	
Field Delineated Wetland Lines	MADEP Open Water*	Access Gate	

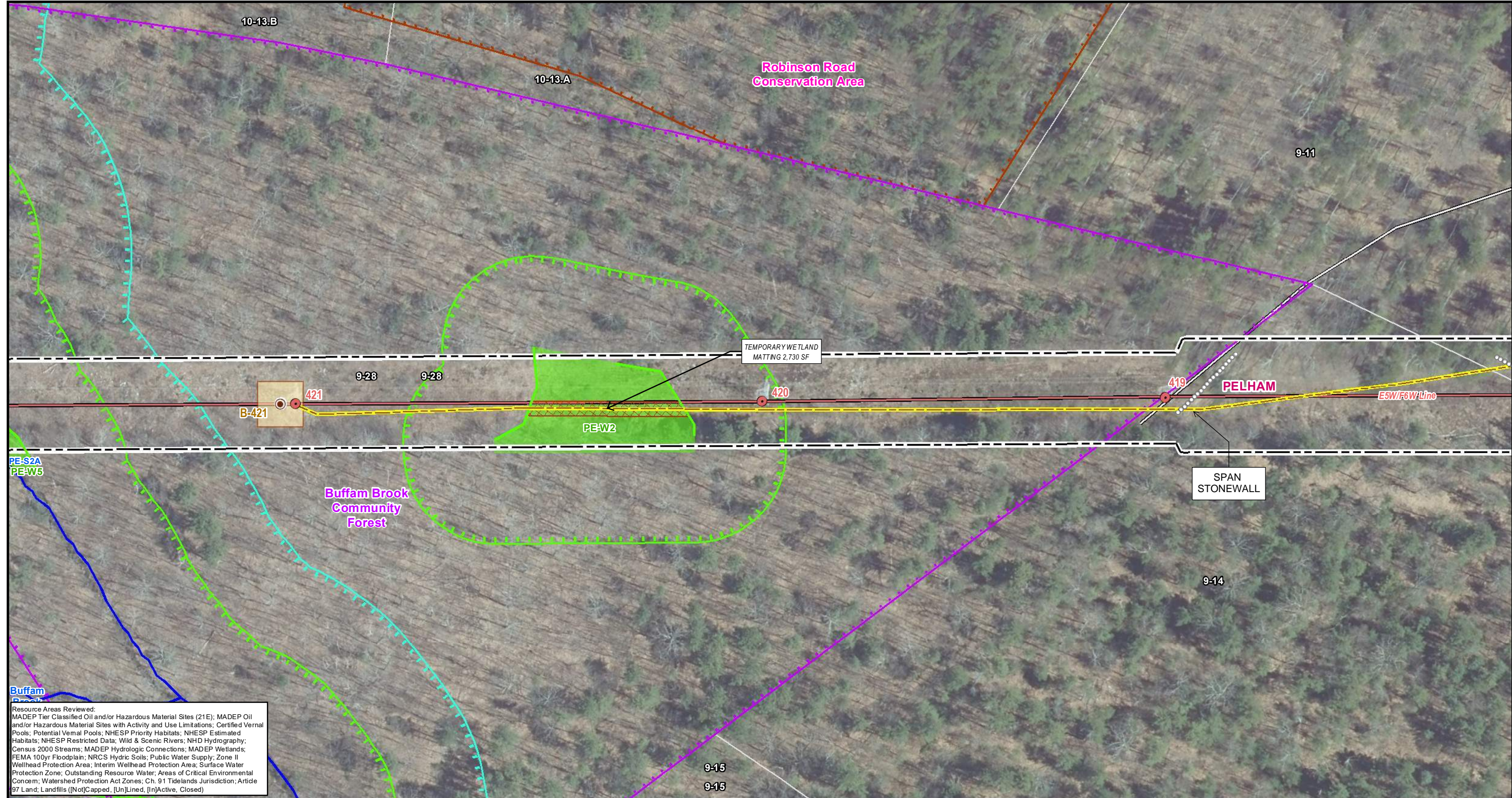
*Indicates Layers Set to Transparency

1 inch = 100 feet
 0 50 100
 Feet

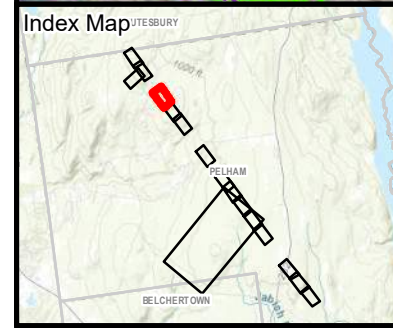
CENTRAL TO WESTERN MA ENERGY IMPROVEMENT PROJECT
E5/F6 TRANSMISSION LINES SOIL BORING PROGRAM
Environmental Resources Map

Pelham, MA
 Page 2A of 14

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

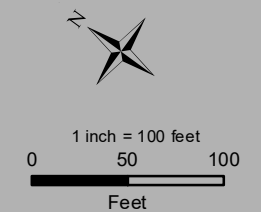


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Legend	
Soil Boring	Field Delineated Wetlands*
Existing Structure	Field Delineated Stream Centerline
Existing Overhead Line	Field Delineated Inland Bank
Edge of ROW	Field Delineated Ditch / Swale
Preferred Access Road	Field Delineated Stream Area*
Alternate Access Road	Perennial Stream
Construction Matting	MADEP Hydrologic Connections
Work Envelope*	MADEP Wetlands*
Field Delineated Wetland Lines	MADEP Open Water*
100ft Buffer to Isolated Wetlands	100ft Buffer to Wetlands & Streams
100ft Buffer to BLSF	200ft Riverfront Area
Outstanding Resource Water	Surface Water Protection Zone
FEMA 100yr Floodplain*	Town Boundary
Access Gate	Culvert
Stonewall	Parcel Boundaries
Municipal	Land Trust

*Indicates Layers Set to Transparency



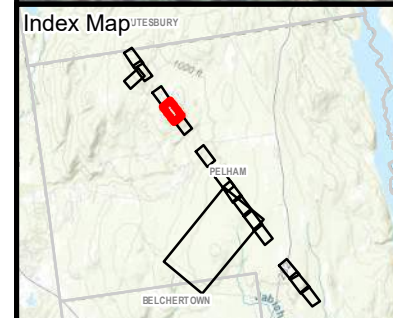
CENTRAL TO WESTERN MA ENERGY IMPROVEMENT PROJECT
E5/F6 TRANSMISSION LINES SOIL BORING PROGRAM
Environmental Resources Map

Pelham, MA
 Page 3 of 14

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



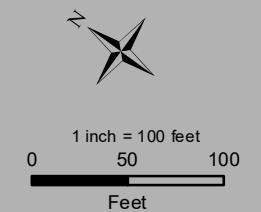
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Legend

Soil Boring	Field Delineated Wetlands*	100ft Buffer to Isolated Wetlands	Culvert
Existing Structure	Field Delineated Stream Centerline	100ft Buffer to Wetlands & Streams	Stonewall
Existing Overhead Line	Field Delineated Inland Bank	100ft Buffer to BLSF	Parcel Boundaries
Edge of ROW	Field Delineated Ditch / Swale	200ft Riverfront Area	Article 97 Lands
Preferred Access Road	Field Delineated Stream Area*	Outstanding Resource Water	Municipal
Alternate Access Road	Perennial Stream	Surface Water Protection Zone	Land Trust
Construction Matting	MADEP Hydrologic Connections	FEMA 100yr Floodplain*	
Work Envelope*	MADEP Wetlands*	Town Boundary	
Field Delineated Wetland Lines	MADEP Open Water*	Access Gate	

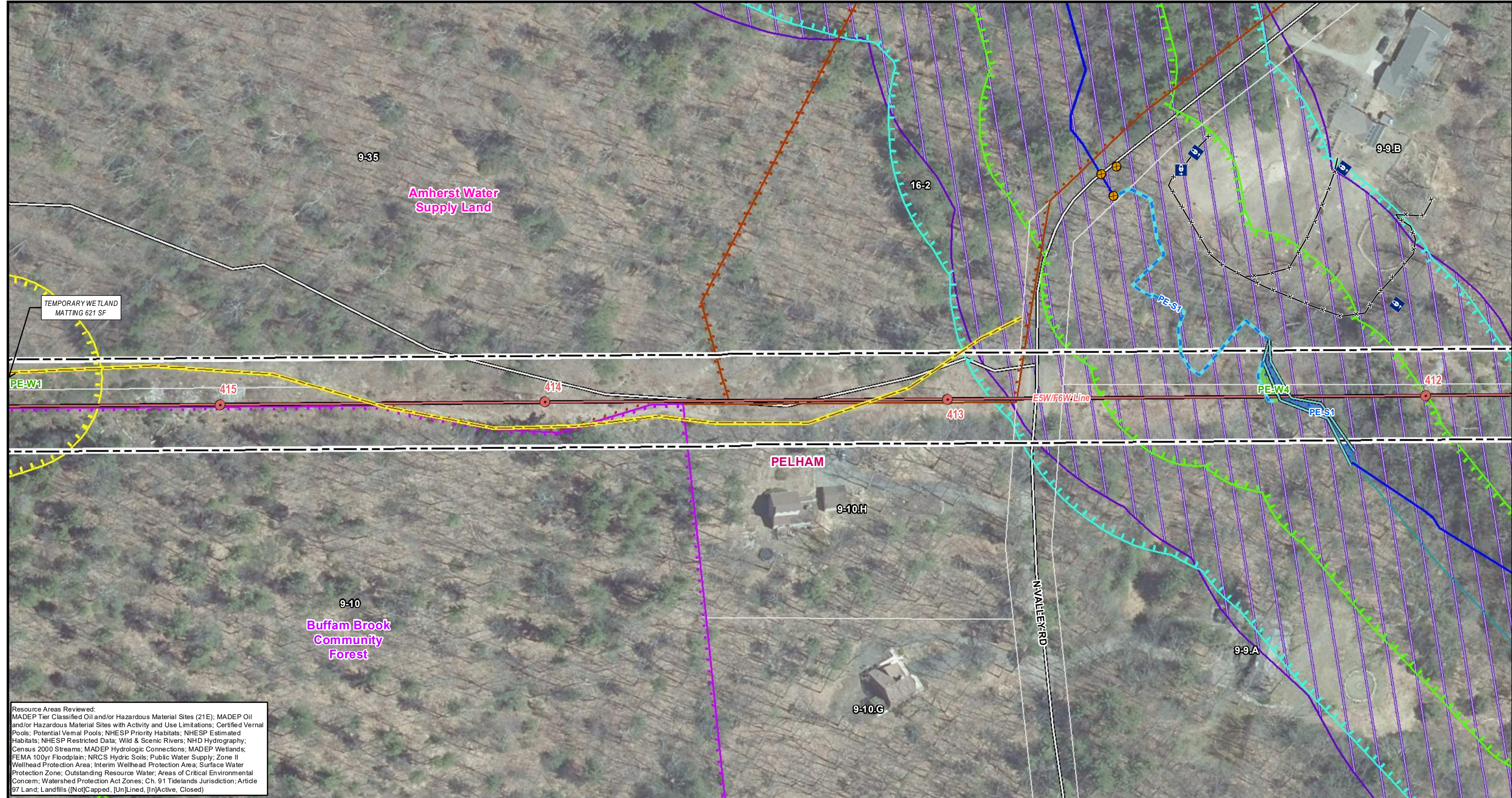
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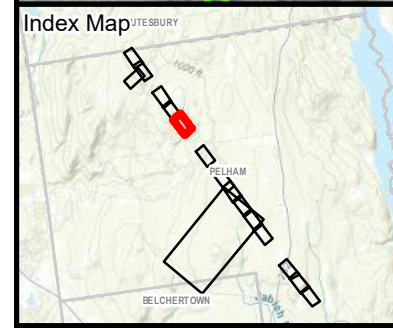
CENTRAL TO WESTERN MA ENERGY IMPROVEMENT PROJECT
E5/F6 TRANSMISSION LINES SOIL BORING PROGRAM
Environmental Resources Map

Pelham, MA
 Page 4 of 14

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



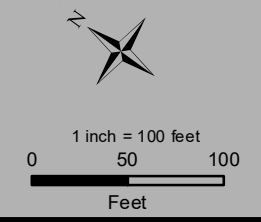
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Legend

Soil Boring	Field Delineated Wetlands*	100ft Buffer to Isolated Wetlands	Culvert
Existing Structure	Field Delineated Stream Centerline	100ft Buffer to Wetlands & Streams	Fenceline
Existing Overhead Line	Field Delineated Inland Bank	100ft Buffer to BLSF	Parcel Boundaries
Edge of ROW	Field Delineated Ditch / Swale	200ft Riverfront Area	Article 97 Lands
Preferred Access Road	Field Delineated Stream Area*	Outstanding Resource Water	Municipal
Alternate Access Road	Perennial Stream	Surface Water Protection Zone	Land Trust
Construction Matting	MADEP Hydrologic Connections	FEMA 100yr Floodplain*	
Work Envelope*	MADEP Wetlands*	Town Boundary	
Field Delineated Wetland Lines	MADEP Open Water*	Access Gate	

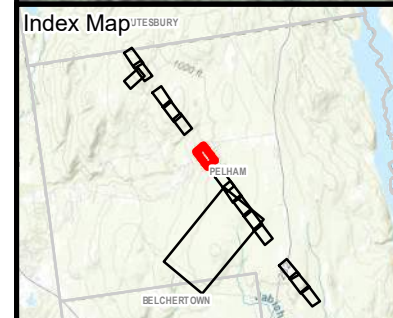
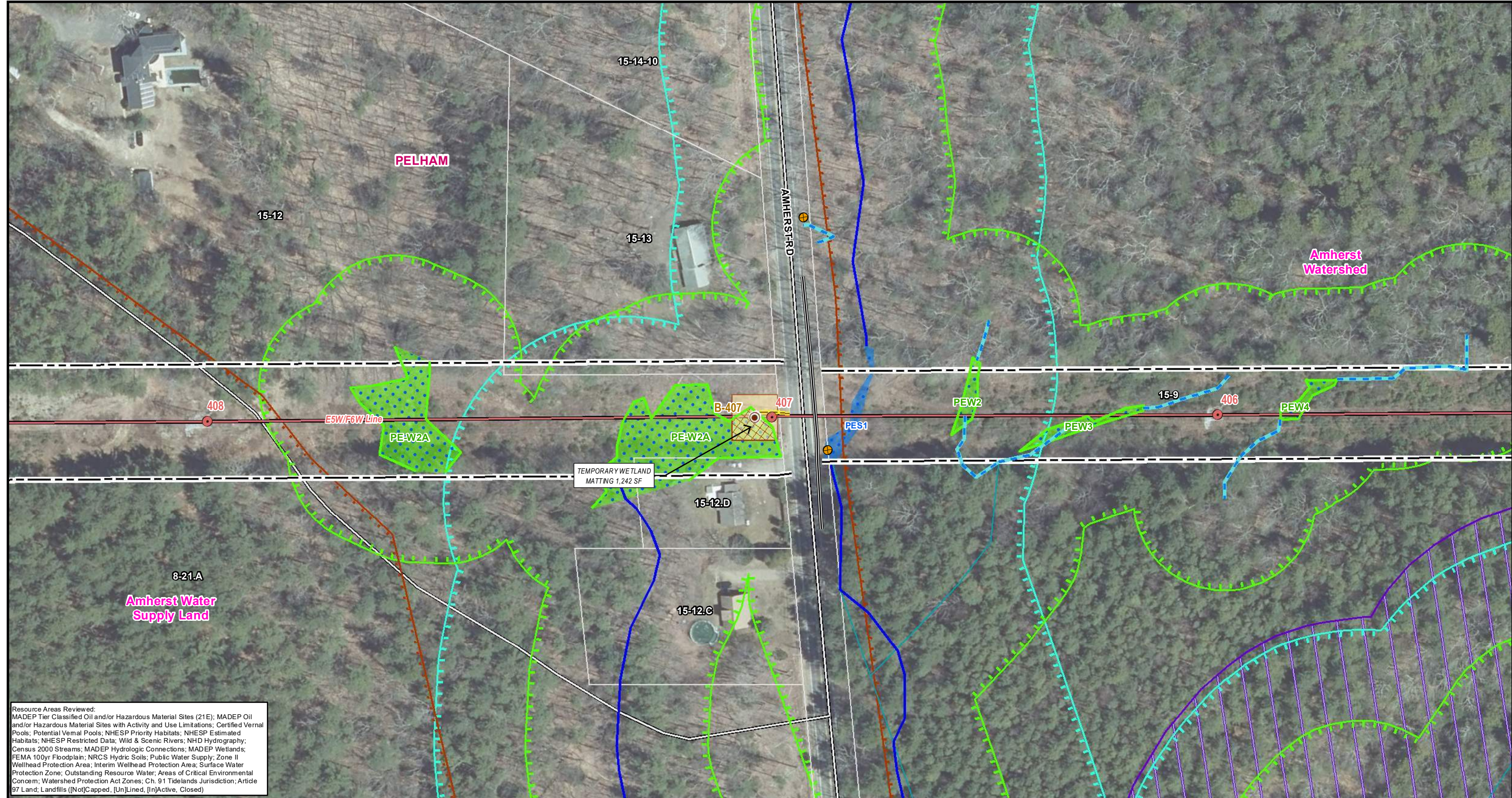
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E5/F6 TRANSMISSION LINES SOIL BORING PROGRAM
Environmental Resources Map

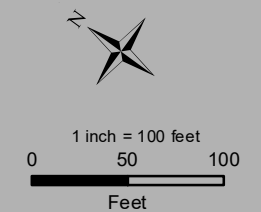
Pelham, MA
 Page 5 of 14

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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
	Field Delineated Stream Area*
	Field Delineated Ditch / Swale
	Perennial Stream
	MADEP Hydrologic Connections
	MADEP Wetlands*
	MADEP Open Water*
	100ft Buffer to Isolated Wetlands
	100ft Buffer to Wetlands & Streams
	100ft Buffer to BLSF
	200ft Riverfront Area
	Outstanding Resource Water
	Surface Water Protection Zone
	FEMA 100yr Floodplain*
	Town Boundary
	Access Gate
	Culvert
	Guardrail
	Parcel Boundaries
	Municipal

*Indicates Layers Set to Transparency

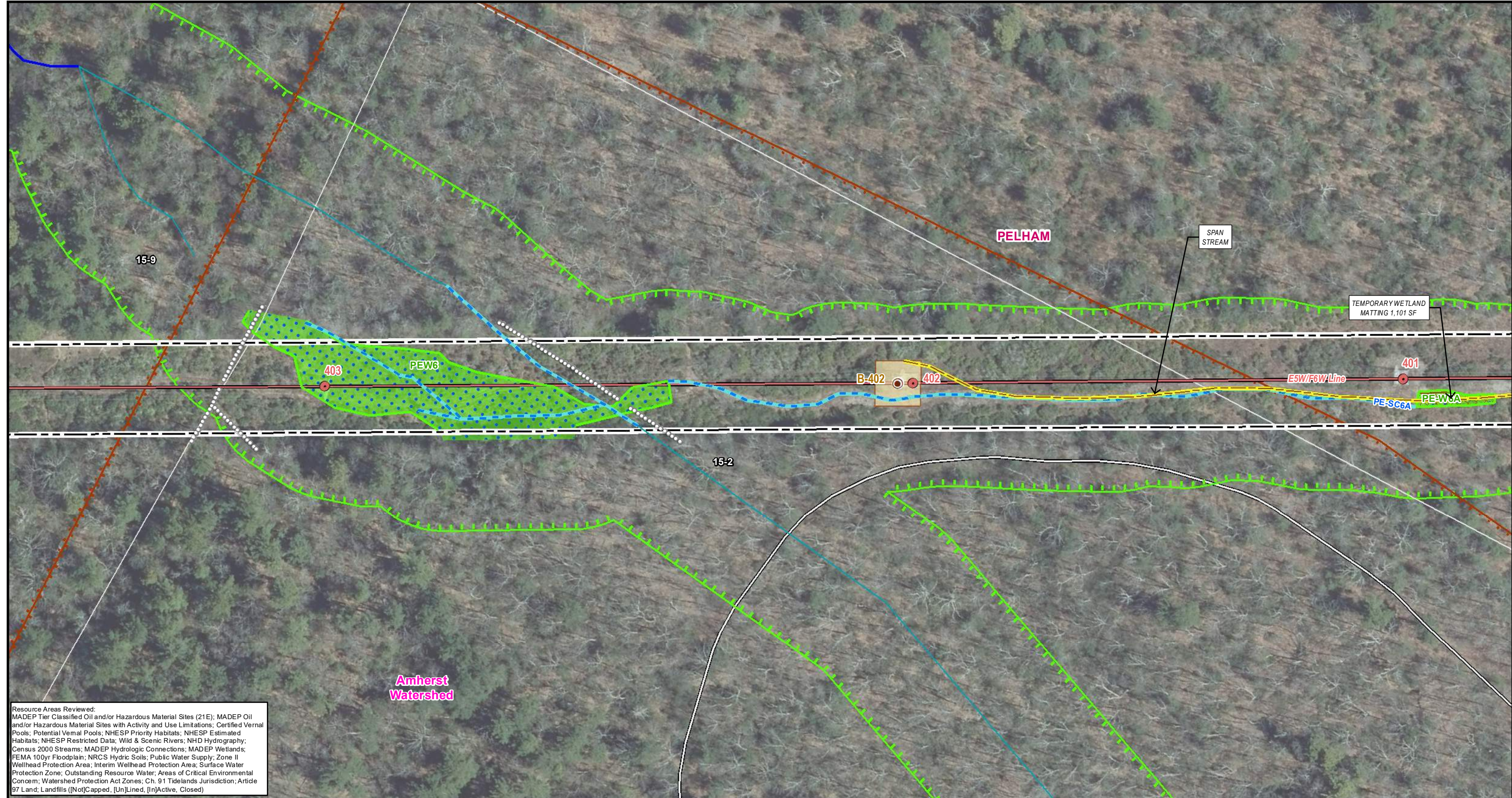


**CENTRAL TO WESTERN MA ENERGY
 IMPROVEMENT PROJECT
 E5/F6 TRANSMISSION LINES SOIL
 BORING PROGRAM
 Environmental Resources Map**

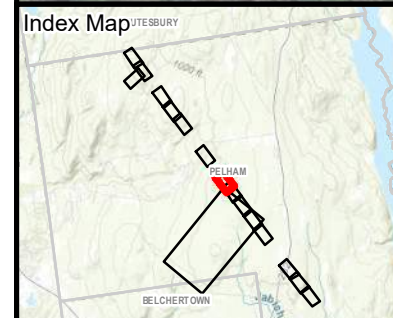
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 Page 6 of 14

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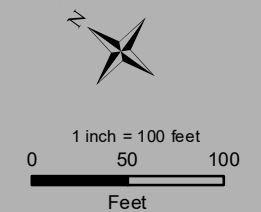


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Legend	
	Soil Boring
	Existing Structure
	Existing Overhead Line
	Edge of ROW
	Preferred Access Road
	Alternate Access Road
	Construction Matting
	Work Envelope*
	Field Delineated Wetland Lines
	Field Delineated Wetlands*
	Field Delineated Stream Centerline
	Field Delineated Inland Bank
	Field Delineated Ditch / Swale
	Field Delineated Stream Area*
	Perennial Stream
	MADEP Hydrologic Connections
	MADEP Wetlands*
	MADEP Open Water*
	100ft Buffer to Isolated Wetlands
	100ft Buffer to Wetlands & Streams
	100ft Buffer to BLSF
	200ft Riverfront Area
	Outstanding Resource Water
	Surface Water Protection Zone
	FEMA 100yr Floodplain*
	Town Boundary
	Access Gate
	Culvert
	Stonewall
	Parcel Boundaries
	Municipal Article 97 Lands

*Indicates Layers Set to Transparency



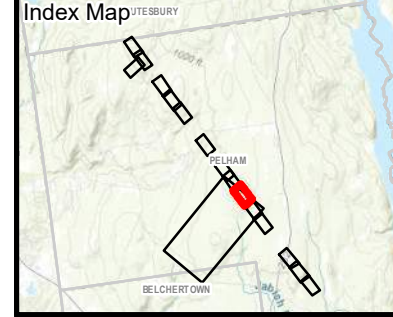
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Legend

Soil Boring	Field Delineated Wetlands*	100ft Buffer to Isolated Wetlands	Culvert
Existing Structure	Field Delineated Stream Centerline	100ft Buffer to Wetlands & Streams	Stonewall
Existing Overhead Line	Field Delineated Inland Bank	100ft Buffer to BLSF	Parcel Boundaries
Edge of ROW	Field Delineated Ditch / Swale	200ft Riverfront Area	Article 97 Lands
Preferred Access Road	Field Delineated Stream Area*	Outstanding Resource Water	Commonwealth of Massachusetts
Alternate Access Road	Perennial Stream	Surface Water Protection Zone	
Construction Matting	MADEP Hydrologic Connections	FEMA 100yr Floodplain*	
Work Envelope*	MADEP Wetlands*	Town Boundary	
Field Delineated Wetland Lines	MADEP Open Water*	Access Gate	

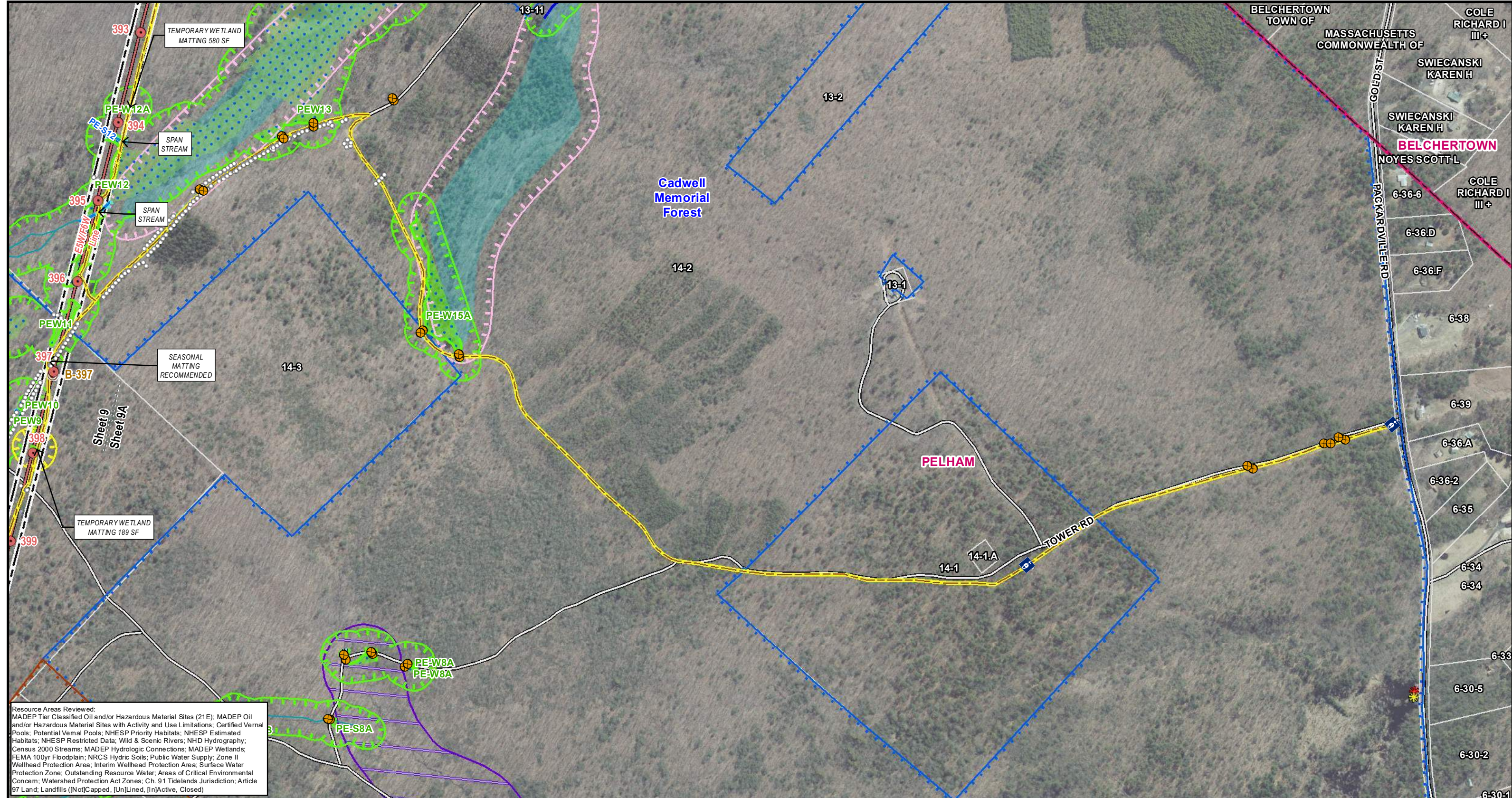
*Indicates Layers Set to Transparency

1 inch = 100 feet
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 Feet

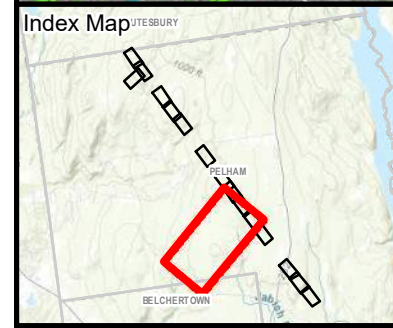
CENTRAL TO WESTERN MA ENERGY IMPROVEMENT PROJECT
E5/F6 TRANSMISSION LINES SOIL BORING PROGRAM
Environmental Resources Map

Pelham, MA
 Page 9 of 14

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



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Legend	
Soil Boring	Field Delineated Wetlands*
Existing Structure	Field Delineated Stream Centerline
Existing Overhead Line	Field Delineated Inland Bank
Edge of ROW	Field Delineated Ditch / Swale
Preferred Access Road	Field Delineated Stream Area*
Alternate Access Road	Perennial Stream
Construction Matting	MADEP Hydrologic Connections
Work Envelope*	MADEP Wetlands*
Field Delineated Wetland Lines	MADEP Open Water*
100ft Buffer to Isolated Wetlands	100ft Buffer to Wetlands & Streams
100ft Buffer to BLSF	200ft Riverfront Area
Outstanding Resource Water	Surface Water Protection Zone
FEMA 100yr Floodplain*	Town Boundary
Access Gate	Culvert
Stonewall	Parcel Boundaries
Commonwealth of Massachusetts	Municipal

*Indicates Layers Set to Transparency

1 inch = 500 feet
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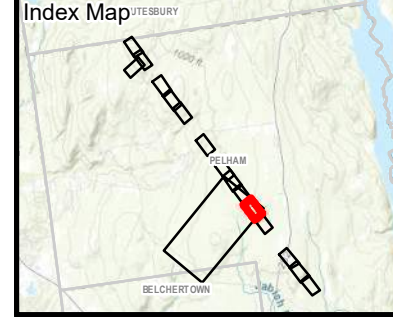
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E5/F6 TRANSMISSION LINES SOIL BORING PROGRAM
Environmental Resources Map

Belchertown & Pelham, MA
 Page 9A of 14

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



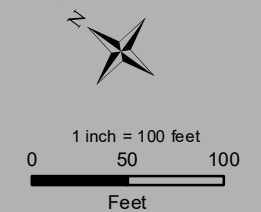
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Legend

● Soil Boring	Field Delineated Wetlands*	100ft Buffer to Isolated Wetlands	⊗ Culvert
● Existing Structure	Field Delineated Stream Centerline	100ft Buffer to Wetlands & Streams	●●●● Stonewall
— Existing Overhead Line	Field Delineated Inland Bank	100ft Buffer to BLSF	▭ Parcel Boundaries
— Edge of ROW	Field Delineated Ditch / Swale	200ft Riverfront Area	▭ Commonwealth of Massachusetts
— Preferred Access Road	Field Delineated Stream Area*	Outstanding Resource Water	
— Alternate Access Road	Perennial Stream	Surface Water Protection Zone	
▭ Construction Matting	MADEP Hydrologic Connections	FEMA 100yr Floodplain*	
▭ Work Envelope*	MADEP Wetlands*	Town Boundary	
— Field Delineated Wetland Lines	MADEP Open Water*	Access Gate	

*Indicates Layers Set to Transparency



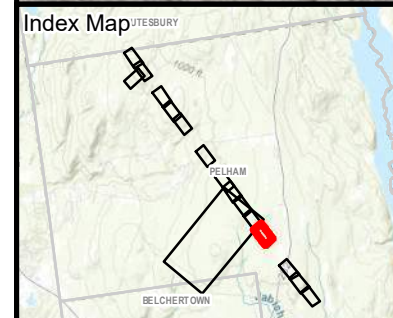
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Environmental Resources Map

Pelham, MA
 Page 10 of 14

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

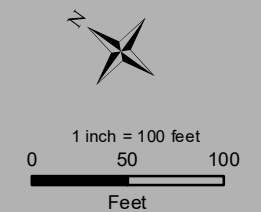


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Legend	
	Soil Boring
	Existing Structure
	Existing Overhead Line
	Edge of ROW
	Preferred Access Road
	Alternate Access Road
	Construction Matting
	Work Envelope*
	Field Delineated Wetland Lines
	Field Delineated Wetlands*
	Field Delineated Stream Centerline
	Field Delineated Inland Bank
	Field Delineated Ditch / Swale
	Field Delineated Stream Area*
	Perennial Stream
	MADEP Hydrologic Connections
	MADEP Wetlands*
	MADEP Open Water*
	100ft Buffer to Isolated Wetlands
	100ft Buffer to Wetlands & Streams
	100ft Buffer to BLSF
	200ft Riverfront Area
	Outstanding Resource Water
	Surface Water Protection Zone
	FEMA 100yr Floodplain*
	Town Boundary
	Access Gate
	Culvert
	Parcel Boundaries
Article 97 Lands	
	Commonwealth of Massachusetts

*Indicates Layers Set to Transparency



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 IMPROVEMENT PROJECT
 E5/F6 TRANSMISSION LINES SOIL
 BORING PROGRAM
 Environmental Resources Map**

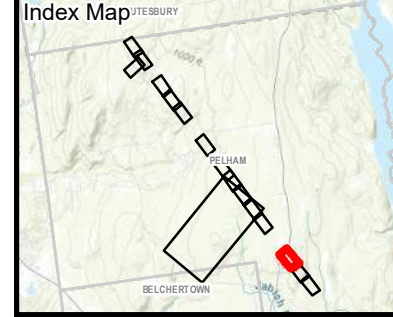
Pelham, MA
 Page 11 of 14

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





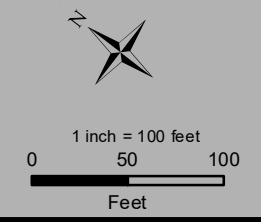
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Legend

Soil Boring	Field Delineated Wetlands*	100ft Buffer to Isolated Wetlands	Culvert
Existing Structure	Field Delineated Stream Centerline	100ft Buffer to Wetlands & Streams	Stonewall
Existing Overhead Line	Field Delineated Inland Bank	100ft Buffer to BLSF	Parcel Boundaries
Edge of ROW	Field Delineated Ditch / Swale	200ft Riverfront Area	Article 97 Lands
Preferred Access Road	Field Delineated Stream Area*	Outstanding Resource Water	DCR-Water Supply Protection
Alternate Access Road	Perennial Stream	Surface Water Protection Zone	
Construction Matting	MADEP Hydrologic Connections	FEMA 100yr Floodplain*	
Work Envelope*	MADEP Wetlands*	Town Boundary	
Field Delineated Wetland Lines	MADEP Open Water*	Access Gate	

**Indicates Layers Set to Transparency*



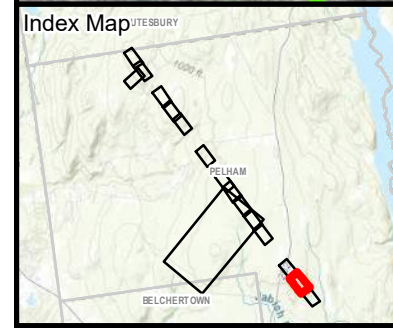
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E5/F6 TRANSMISSION LINES SOIL BORING PROGRAM
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Legend

Soil Boring	Field Delineated Wetlands*	100ft Buffer to Isolated Wetlands	Culvert
Existing Structure	Field Delineated Stream Centerline	100ft Buffer to Wetlands & Streams	Stonewall
Existing Overhead Line	Field Delineated Inland Bank	100ft Buffer to BLSF	Parcel Boundaries
Edge of ROW	Field Delineated Ditch / Swale	200ft Riverfront Area	Article 97 Lands
Preferred Access Road	Field Delineated Stream Area*	Outstanding Resource Water	DCR-Water Supply Protection
Alternate Access Road	Perennial Stream	Surface Water Protection Zone	
Construction Matting	MADEP Hydrologic Connections	FEMA 100yr Floodplain*	
Work Envelope*	MADEP Wetlands*	Town Boundary	
Field Delineated Wetland Lines	MADEP Open Water*	Access Gate	

**Indicates Layers Set to Transparency*

1 inch = 100 feet
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 Feet

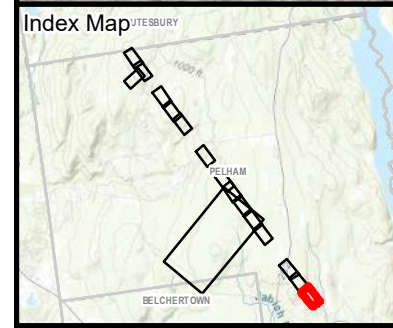
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Pelham, MA
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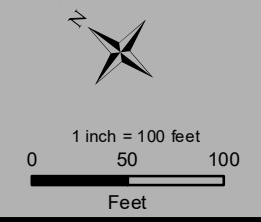
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Legend

Soil Boring	Field Delineated Wetlands*	100ft Buffer to Isolated Wetlands	Culvert
Existing Structure	Field Delineated Stream Centerline	100ft Buffer to Wetlands & Streams	Stonewall
Existing Overhead Line	Field Delineated Inland Bank	100ft Buffer to BLSF	Parcel Boundaries
Edge of ROW	Field Delineated Ditch / Swale	200ft Riverfront Area	Article 97 Lands
Preferred Access Road	Field Delineated Stream Area*	Outstanding Resource Water	DCR-Water Supply Protection
Alternate Access Road	Perennial Stream	Surface Water Protection Zone	
Construction Matting	MADEP Hydrologic Connections	FEMA 100yr Floodplain*	
Work Envelope*	MADEP Wetlands*	Town Boundary	
Field Delineated Wetland Lines	MADEP Open Water*	Access Gate	

**Indicates Layers Set to Transparency*



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E5/F6 TRANSMISSION LINES SOIL BORING PROGRAM
Environmental Resources Map

Pelham, MA
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Attachment C

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

SITE PHOTOGRAPHS



Photo #1: View of existing Structure 377 located within ORW BVW PE-W20. B-377 is proposed approximately 18 feet southeast of the existing structure. Temporary construction matting in BVW is required in order to access and create a work envelope for the work. The access to the boring will also span intermitted stream PE-S6. *Facing southeast.*



Photo #2: View of existing Structure 396 and ORW BVW PE-W6 (Str 395 in background). Temporary construction matting in ORW BVWs including PE-W6 is required in order to access B-390 located in upland. *Facing southeast.*



Photo #3: View of existing Structure 398 and ORW BVW PE-W8 (Str 397 in background). Temporary construction matting in ORW BVWs including PE-W8 is required in order to access B-377 located in upland. *Facing southeast.*



Photo #4: View of existing Structure 401, ORW BVW PE-W6A and intermittent stream PE-SC6A (Str 402 in background). B-402 is proposed approximately 18 feet northwest of the existing structure. Temporary construction matting in ORW BVW PE-W6A is required in order to access B-402 located in the 100-ft Buffer Zone. The access to the boring will also span PE-SC6A. *Facing northwest.*



Photo #5: View of existing Structure 407 located within ORW BVW PE-W2A, B-407 is proposed approximately 19 feet northwest of the existing structure. Temporary construction matting in BVW is required in order to create a work envelope for the work. *Facing south.*



Photo #6: View of BVW PE-W2 (Str 421 in background). Temporary construction matting in ORW BVWs including PE-W2 is required in order to access B-421 located in upland. *Facing northwest.*

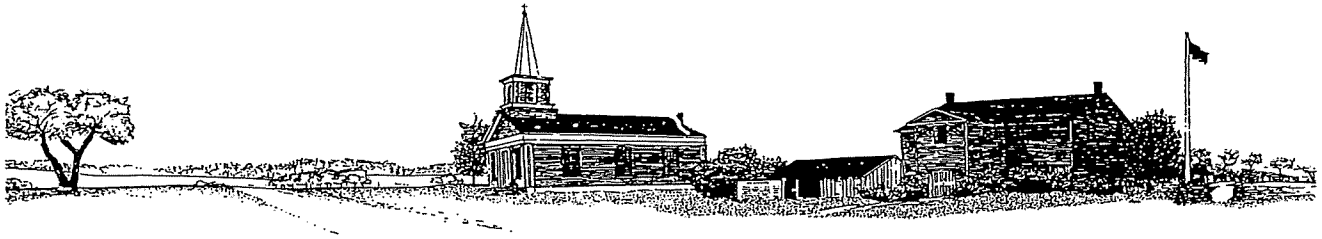


Photo #7: View of BVW PE-W1A. Temporary construction matting in ORW BVW PE-W1A is required in order to access B-431 located in Shutesbury. Facing northwest.

Attachment D

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

CERTIFIED ABUTTERS LIST
ABUTTERS NOTIFICATION LETTER



Town of Pelham

Board of Assessors ♦351 Amherst Road ♦Pelham MA 01002

Phone-413-253-0734♦Fax 413-253-0847

pelhamassessor@comcast.net

MAP/BLOCK/PARCEL: See Attached Request Form

APPLICANT: New England Power

DATE: 2-21-24

BOARD: CONSERVATION PLANNING SELECTBOARD ZONING

CERTIFIED LIST OF ABUTTORS

The Assessor's Office, Town of Pelham, hereby certifies the attached list of names and addresses. This list reflects the current names and addresses as they appear in our records as of January 1, 2020

This list is only valid for a period of thirty (30) days from the date of certification by the Assessor.

LORI J. TURATI
ADMINISTRATIVE ASSESSOR

APPLICANT
ASSESSORS
CONSERVATION
PLANNING
SELECTBOARD
ZONING

**PELHAM BOARD OF ASSESSORS
REQUEST FOR CERTIFIED LIST OF ABUTTERS**

Note: THE ASSESSORS OFFICE REQUIRES 10 BUSINESS DAYS TO PREPARE AN ABUTTERS LIST. WE THEREFORE ADVISE YOU NOT TO SCHEDULE A HEARING UNTIL YOU HAVE THIS LIST.

Please Print

Daniel Shays Highway, Tower Rd, Amherst Rd, North Valley Rd, Old Pratts Corner Rd

STREET ADDRESS

NEP has easement rights on these parcels

OWNER'S NAME

Daniel Shays Highway, Tower Rd, Amherst Rd, North Valley Rd, Old Pratts Corner Rd

STREET

Pelham MA

CITY ST

20, 14, 14, 15,
9, 9, 9, 10

MAP

New England Power Company (NEP)
-Represented by BSC Group

2.A, 2, 04, 12, 35, 11,
28,5-6

PARCEL

APPLICANT'S NAME

1 Mercantile Street, Suite 610,

STREET

Worcester MA 01608

CITY STATE ZIP

Erasme da Cruz (806) 452-9136

CONTACT PERSON & PHONE #

*****Please note that if requesting abutters lists for two different departments for the same parcel, you must fill out separate abutters request forms.*****

Please circle type of permit or variance requested:

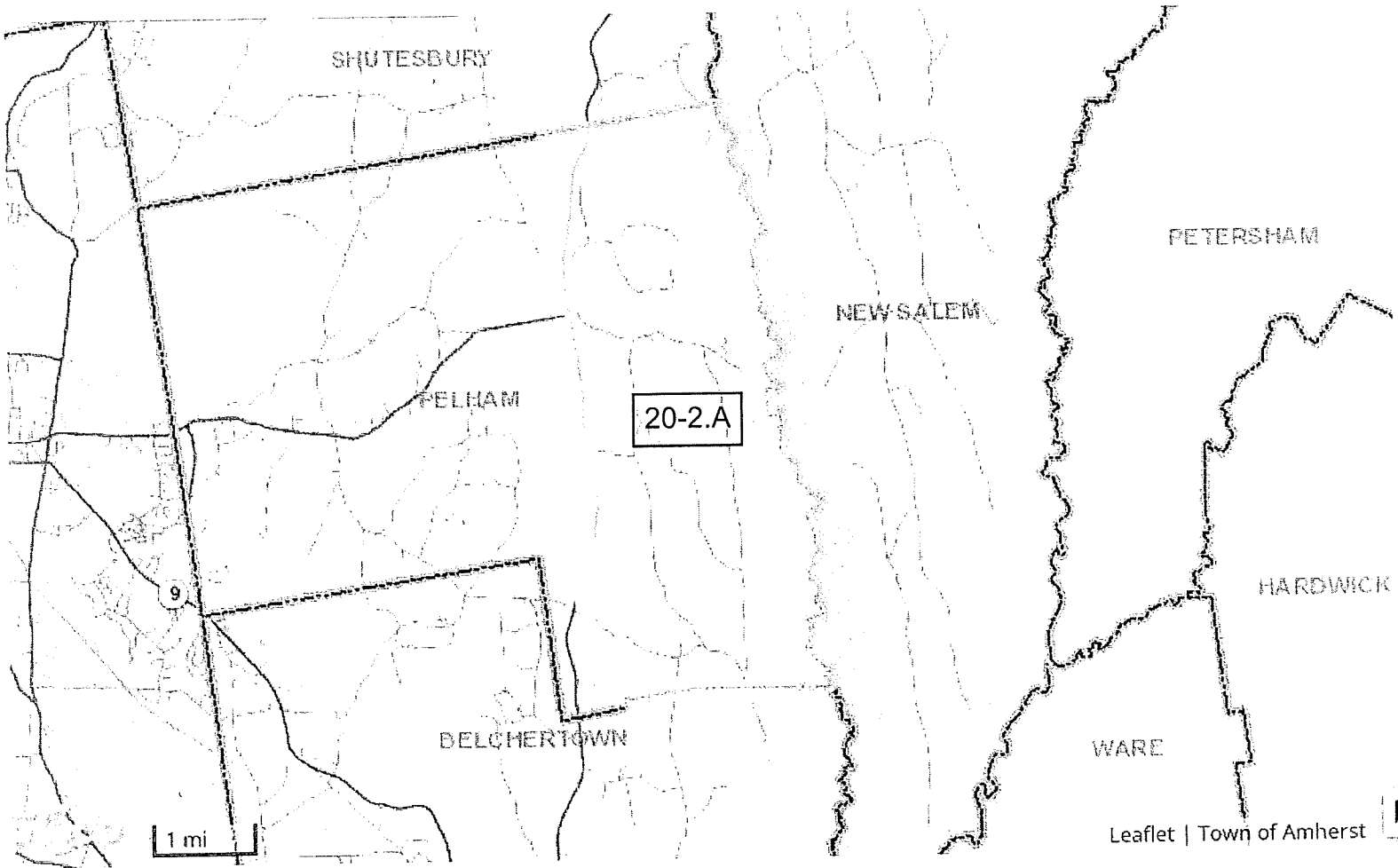
- A: Liquor License – Immediate abutters, also 500' from all borders for churches/hospitals/public & private schools.
- B: Planning Board – Subdivision or Special Permit - 300'
- C: Zoning: - Special Permit or Variance Appeals - 300'
- D: Conservation: -Wetland Hearing - 300'**
- E: Planning - Site Plan Review 300'
- F: Selectboard - 300'

NOTE: THE ABUTTERS LIST IS ONLY OFFICIAL FOR A PERIOD OF 30 DAYS FROM THE DATE OF CERTIFICATION BY THE ASSESSOR. AFTER 30 DAYS, YOU WOULD NEED TO REAPPLY FOR A NEW LIST.

RECEIVED

(ASO002)

20-2.A



13-10.A
SMITH TIMOTHY R
Po Box 1101
Belchertown, MA 01007

15-4-8
WALKER CHARLES
75 Kimball St
Belchertown, MA 01007

16-30
FURTAU, JAMES J & MONIQUE A
8 Shutesbury Rd
Pelham, MA 01002

15-23
DAVIS, JOSEPH R
338 Daniel Shay Hwy
Pelham, MA 01002

16-24.A
TRICKEY JOHN L & JUDITH A TRUSTE
JOHN & JUDITH TRICKEY IRREVOCABL
344 Daniel Shays Hwy
Pelham, MA 01002

16-31
WEAVER MARIE JENNIFER
BLACKWELL DONNIE
12 Shutesbury Rd
Pelham, MA 01002

15-4
COHN-HAFT ANTHONY
270 Daniel Shays Hwy
Pelham, MA 01002

16-24.B
MARTINI KARL M
WEIGEL CYNTHIA J
350 Daniel Shays Hwy
Pelham, MA 01002

16-32
JADE RIVER KING
JESSICA WINTER KING
25 Shutesbury Rd
Pelham, MA 01002

15-4-1
GIFFORD JANICE A TRUSTEE
JANICE A GIFFORD LIVING TRUST
2 King St
Pelham, MA 01002

16-25
PELHAM TOWN OF
351 Amherst Rd
Pelham, MA 01002

16-33
MCPHERSON JAMES A & CHRISTINA MA
MCPHERSON CHRISTINA MARIE
29 Shutesbury Rd
Pelham, MA 01002

15-4-2
QUINN FAMILY TRUST
MCLEOD KATHRY Q & QUINN HEATHER
22 Delehany Dr
Tewksbury, MA 01876

16-26
NAZZARO E DENNIS
NAZZARO A MELISSA
364 Daniel Shays Hwy
Pelham, MA 01002

16-34
SCOTT RICHARD & JANET
31 Shutesbury Rd
Pelham, MA 01002

15-4-3
LONG NANCY J
6 King St
Amherst, MA 01002

16-27-1
CLAPP JONATHAN & CECELIA
SWEET PAUL & SCHMEIDER KATHERINE
368-370 Daniel Shays Hwy
Pelham, MA 01002

16-35
AARON JAMES S
Star Route
New Salem, MA

15-4-4
COLBY CRISTA
8 King St
Pelham, MA 01002

16-27.B
WANG, ISA
378 Daniel Shays Hwy
Pelham, MA 01002

16-44.1
MCPHERSON JAMES A & CHRISTINA M
29 Shutesbury Rd
Pelham, MA 01002

15-4-5
FLEURY EDWARD B & JACALYN A
Po Box 2477
Amherst, MA 01002

16-27.D
BURGESS DAVID W & SANDRA J
6 Shutesbury Rd
Pelham, MA 01002

16-44.A
MCPHERSON JAMES & CHRISTINA MARI
29 Shutesbury Rd
Pelham, MA 01002

15-4-6
FLEURY, EDWARD B & JACALYN A
10 King St
Pelham, MA 01002

16-28
BURGESS DAVID W & SANDRA J
6 Shutesbury Rd
Pelham, MA 01002

17-11
REED BRAD M & MEGAN E
69 Shutesbury Rd
Pelham, MA 01002

15-4-7
WALKER CHARLES
75 Kimball St
Belchertown, MA 01007

16-29
BURGESS DAVID W & SANDRA J
6 Shutesbury Rd
Pelham, MA 01002

17-11.R
GROVES ROBERT L
424 Pelham Hill Rd
Shutesbury, MA 01072

20-2A

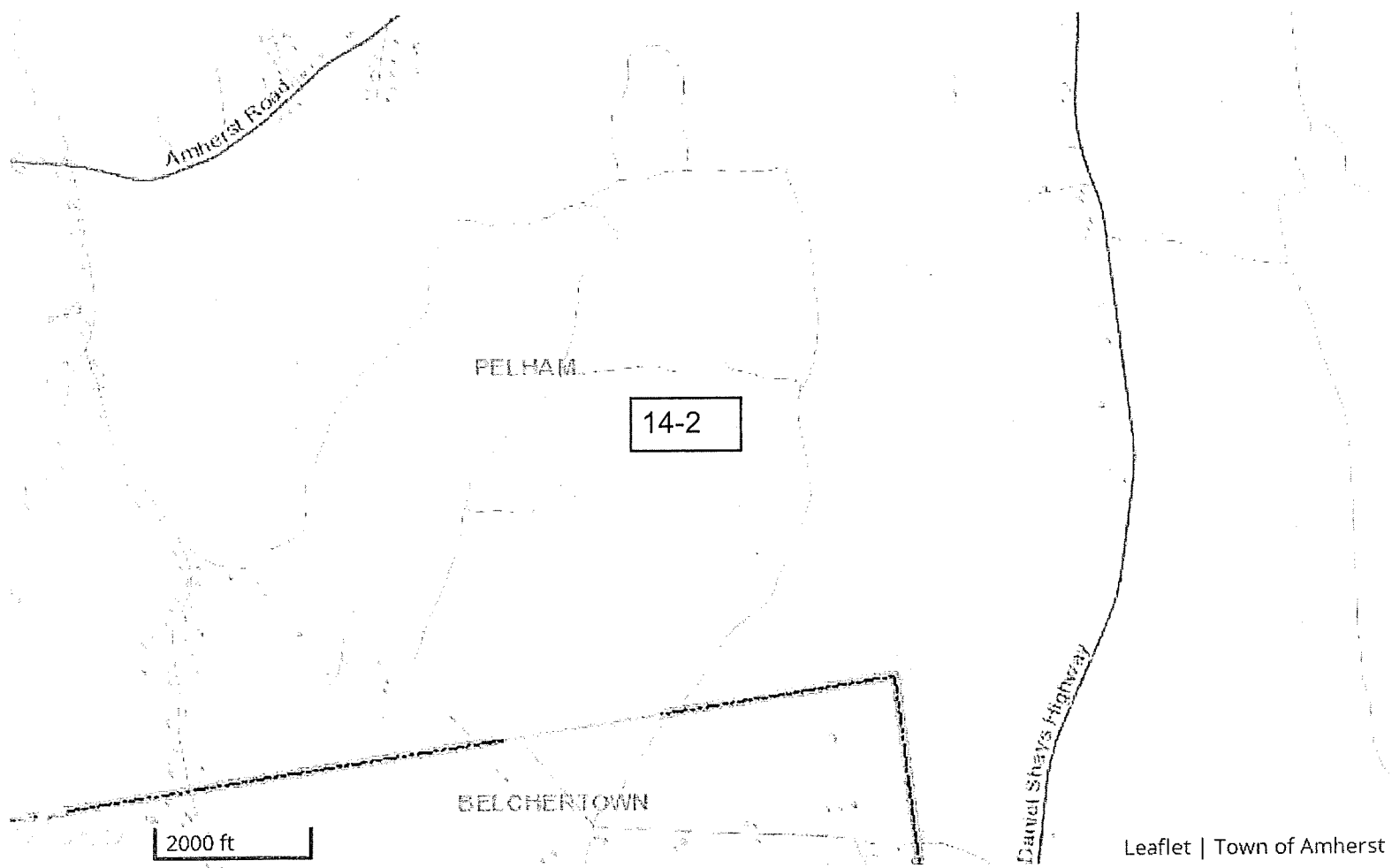
- | | | |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 17-20
COWLS W D INC
Po Box 9677
Amherst, 14226 2461 | 20-1-1
HERLIHY ARLEEN J
87 Daniel Shays Hwy
Belchertown, MA | 21-8.A
BURROWS RICHARD
244 Daniel Shays Hwy
Pelham, MA 01002 |
| 17-21-23
MCPHERSON JAMES ALVAH & CHRISTIN
29 Shutesbury Rd
Pelham, MA 01002 | 20-2
DEPT OF CONSERVATION & RECRT
QUABBIN HEADQUARTERS
485 Ware Rd
Belchertown, MA 01007 | 21-8.B
KLEIN ROBERT E
242 Daniel Shays Hwy
Pelham, MA 01002 |
| 17-40
GROVES, ROBERT L
424 Pelham Hill Rd
Shutesbury, MA 01072 | 20-2.A
DEPT OF CONSERVATION & RECRT
QUABBIN HEADQUARTERS
485 Ware Rd
Belchertown, MA 01007 | 22-1
COHN-HAFT ANTHONY C
270 Daniel Shays Hwy
Pelham, MA 01002 |
| 19-10
WEISSER MICHAEL R & GOLDSTEIN CA
203 Packardville Rd
Belchertown, MA 01007 | 21-1
EWELL DOROTHY M (LE)
C/O EWELL DAVID F
180 Daniel Shays Hwy
Pelham, MA 01002 | 22-2-1
BERNSTIEN NISSAN G
3 King St
Pelham, MA 01002 |
| 19-11
HUBER JAMES P
205 Packardville Rd
Belchertown, MA 01007 | 21-11
HOLMES LAWRENCE C JR
260 Daniel Shays Hwy
Pelham, MA 01002 | 22-2-2
ROWELL ROBERT N & REYDAK SHARRIE
312 Daniel Shays Hwy
Pelham, MA 01002 |
| 19-3
COMMOWWEALTH OF MASS
300 Whitmore Hall
Amherst, MA 01002 | 21-2
MONTGOMERY E TIMOTHY
MONTGOMERY A ELIZABETH
200 Daniel Shays Hwy
Pelham, MA 01002 | 22-2-3
ROWELL ROBERT N & REYDAK SHARRIE
312 Daniel Shays Hwy
Pelham, MA 01002 |
| 19-4
ZAK MICHAEL J JR
467 Amherst Rd
Sunderland, MA 01375 | 21-3
STEPHEN J SIKES
JAZMINE F SIKES
210 Daniel Shays Hwy
Pelham, MA 01002 | 22-4
ROWELL ROBERT N
REYDAK SHARRIE
312 Shays Hwy
Pelham, MA 01002 |
| 19-5
ASHRAF KAZI
108 Longview Rd
Staten Island, NY 10301 | 21-4
CHESWORTH BRUCE A & TINA L
1 Maple St #33
Ellington, CT | 22-5
GROSS DAVID & JULIE
334 Daniel Shays Hwy
Pelham, MA 01002 |
| 19-8
DOIRE TIMOTHY & BIXBY SARAH J
79 Daniel Shays Hwy
Belchertown, MA | 21-6
INGRAM C A
WAYNE &TERRY AVERY & KIM LACLAI
218 Daniel Shays Hwy
Pelham, MA 01002 | 22-5.A
INDUSTRIAL TOWER & WIRELESS, LLC
40 Lone St
Marshfield, MA 02050 |
| 20-1
MARTELL WILLIAM & KATHLEEN
200 Packardville Rd
Belchertown, MA 01007 | 21-7
ROBERT L & ALICE M COLE
SAWMILLER PATRICIA A COLE JR ROB
234 Daniel Shays Hwy
Pelham, MA 01002 | 22-5.B
ROWELL, ROBERT N & REYDAK SHARRI
312 Daniel Shays Hwy
Pelham, MA 01002 |

20-2A

23-1
REAGAN FRANCIS X
23 Stoneland Rd
Shrewsbury, MA 01545

23-2
SHEFF, LINDA M & JAMES ROBERT
367 Daniel Shays Hwy
Pelham, MA 01002

23-3
JEROME JAMES J
381 Daniel Shays Hwy
Pelham, MA 01002



13-1
COMMONWEALTH OF MASS
OFFICE OF COMMUNITY RELATIONS
290 Whitmore Hall, Umass
Amherst, MA 01002

13-11
KEEDY VICTOR LIFE ESTATE
C/O KEEDY BLAKE
12 Maplewood Terrace
Hadley, MA 01035

13-2
KESTREL LAND TRUST, INC
37 Bay Rd
Amherst, MA 01002

13-3
ALDEN ROBERT E, ARMENTA TRACY R
HALL VICTORIA R
1437 Pinewood Dr
Melbourne, FL 32935

13-4
COWLS W D INC
Po Box 9677
North Amherst, MA 01002

14-1
COWLS W D INC
Po Box 9677
North Amherst, MA 01002

14-2
COMMONWEALTH OF MASS
C/O OFFICE OF COMMUNITY RELATION
390 Whitmore Hall, Umass
Amherst, MA 01002

14-3
UNIVERSITY OF MASS FOUNDATION, I
225 Franklin St
Boston, MA 02110

14-4
COWLS W D INC
Po Box 9677
North Amherst, MA 01002

14-5
MAZZEI, BENJAMIN & ERIN
11 King Rd
Pelham, MA 01002

15-2
COMMONWEALTH OF MASS
OFFICE OF COMMUNITY RELATIONS
390 Whitmore Hall Umass
Amherst, MA 01002

15-9
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002

20-2
DEPT OF CONSERVATION & RECRT
QUABBIN HEADQUARTERS
485 Ware Rd
Belchertown, MA 01007

21-1
EWELL DOROTHY M (LE)
C/O EWELL DAVID F
180 Daniel Shays Hwy
Pelham, MA 01002

21-2
MONTGOMERY E TIMOTHY
MONTGOMERY A ELIZABETH
200 Daniel Shays Hwy
Pelham, MA 01002

21-3
STEPHEN J SIKES
JAZMINE F SIKES
210 Daniel Shays Hwy
Pelham, MA 01002

21-4
CHESWORTH BRUCE A & TINA L
1 Maple St #33
Ellington, CT

21-6
INGRAM C A
WAYNE & TERRY AVERY & KIM LACLAI
218 Daniel Shays Hwy
Pelham, MA 01002

21-7
ROBERT L & ALICE M COLE
SAWMILLER PATRICIA A COLE JR ROB
234 Daniel Shays Hwy
Pelham, MA 01002

6-30-1
DAVIS, DELBERT M REVOC TRUST
DAVIS, DELBERT M TRUSTEE
1662 Preakness Dr
Ambrosk, MD 21054

6-30-2
BIRTWELL NANCY & VANDERBECK FRED
99 Packardville Rd
Pelham, MA 01002

6-30-5
LAURIE BRUCE G & LESLIE T
113 Packardville Rd
Pelham, MA 01002

6-30.A
STELZER THOMAS K
12870 Westella Dr
Houston, TX 77077

6-34
AULT HOLLY K
123 Packardville Rd
Pelham, MA 01002

6-35
PELHAM TOWN OF
STEVENS CEMETARY
351 Amherst Rd Rhodes Bldg
Pelham, MA 01002

6-36-2
CANNON MEGAN C M & FERULLO ROBER
133 Packardville Rd
Pelham, MA 01002

6-36-6
ALMADAN, INC
85 North Whitney St
Amherst, MA 01002

6-36.A
METHOT MARY E
135 Packardville Rd
Pelham, MA 01002

6-36.D
BOOTH CLEON B & DORA M
9 Enfield Rd
Pelham, MA 01002

6-36.F
LARAMIE, JUSTIN R
141 Packardville Rd
Pelham, MA 01002

6-38
COUTURE, WESLEY & MATTEAU, PAMEL
139 Packardville Rd
Pelham, MA 01002

6-39
PRATT LEONARD H
137 Packardville Rd
Pelham, MA 01002

7-53
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002

7-58
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002

8-7.R
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002



14-2
COMMONWEALTH OF MASS
C/O OFFICE OF COMMUNITY RELATION
390 Whitmore Hall, Umass
Amherst, MA 01002

15-8
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002

14-3
UNIVERSITY OF MASS FOUNDATION, I
225 Franklin St
Boston, MA 02110

15-9
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002

14-4
COWLS W D INC
Po Box 9677
North Amherst, MA 01002

14-5
MAZZEI, BENJAMIN & ERIN
11 King Rd
Pelham, MA 01002

15-18
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002

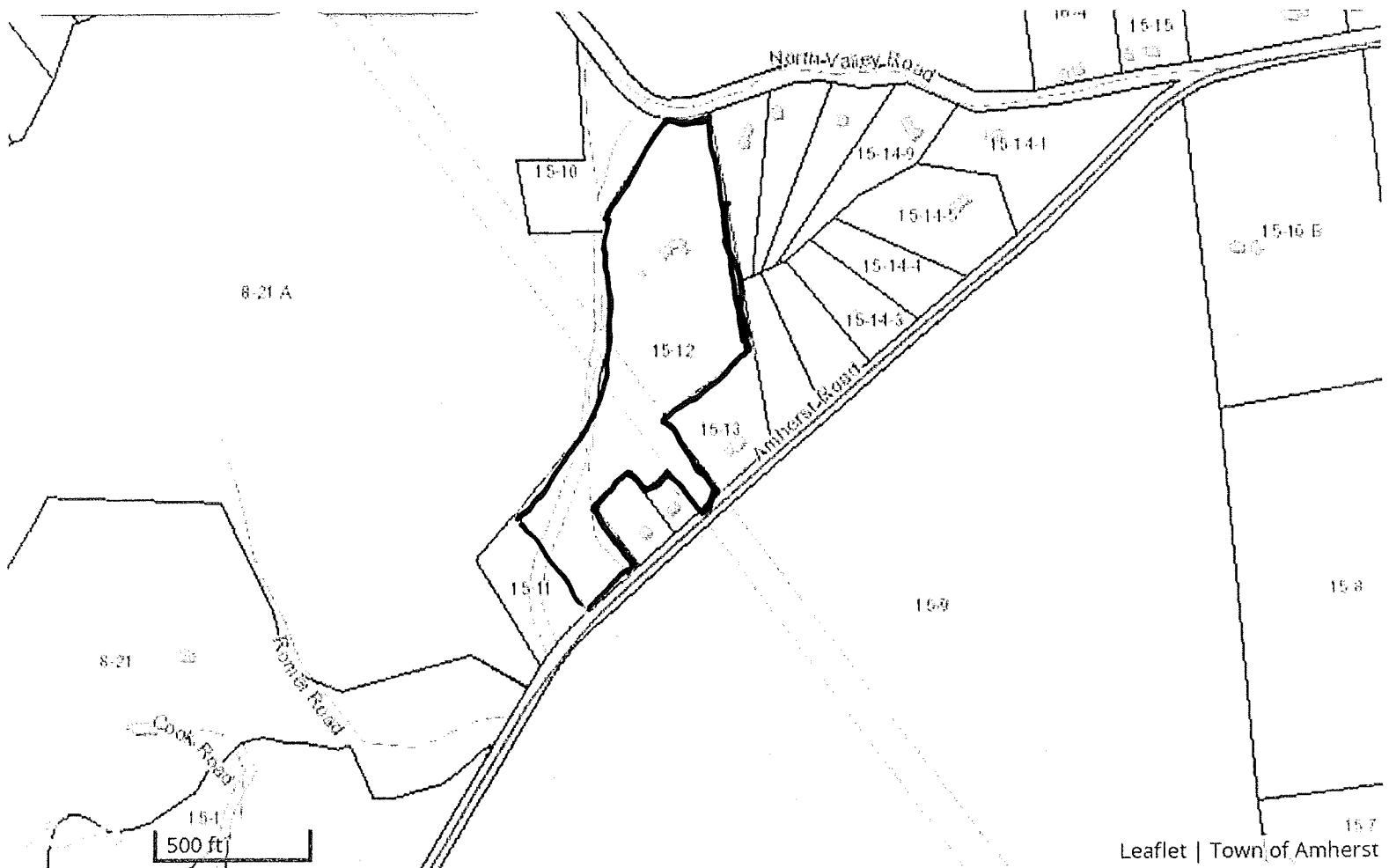
15-2
COMMONWEALTH OF MASS
OFFICE OF COMMUNITY RELATIONS
390 Whitmore Hall Umass
Amherst, MA 01002

15-4-2
QUINN FAMILY TRUST
MCLEOD KATHRY Q & QUINN HEATHER
22 Delehany Dr
Tewksbury, MA 01876

15-4-6
FLEURY, EDWARD B & JACALYN A
10 King St
Pelham, MA 01002

15-5
MCCLELLAN ELAINE F
4 Circle Dr
Hatfield, MA 01038

15-7
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002



15-12

15-10
PELHAM TOWN OF
COOK JOHNSON CEMETARY
Rhodes Bldg
Pelham, MA

15-14-8
WISE KURT C
31 Maplewood Dr
Amherst, MA 01002

15-11
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002

15-14-9
LYNCH KAREN
285 North Valley Rd
Pelham, MA 01002

15-12
LANDIS ELLEN M
277 North Valley Rd
Pelham, MA 01002

15-9
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002

15-12.C
ORRO JULIA ANN
262 Amherst Rd
Pelham, MA 01002

16-2
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002

15-12.D
LEBEAU JENNIFER
264 Amherst Rd
Pelham, MA 01002

8-21.A
TOWN OF AMHERST
586 S Pleasant St
Amherst, MA 01002

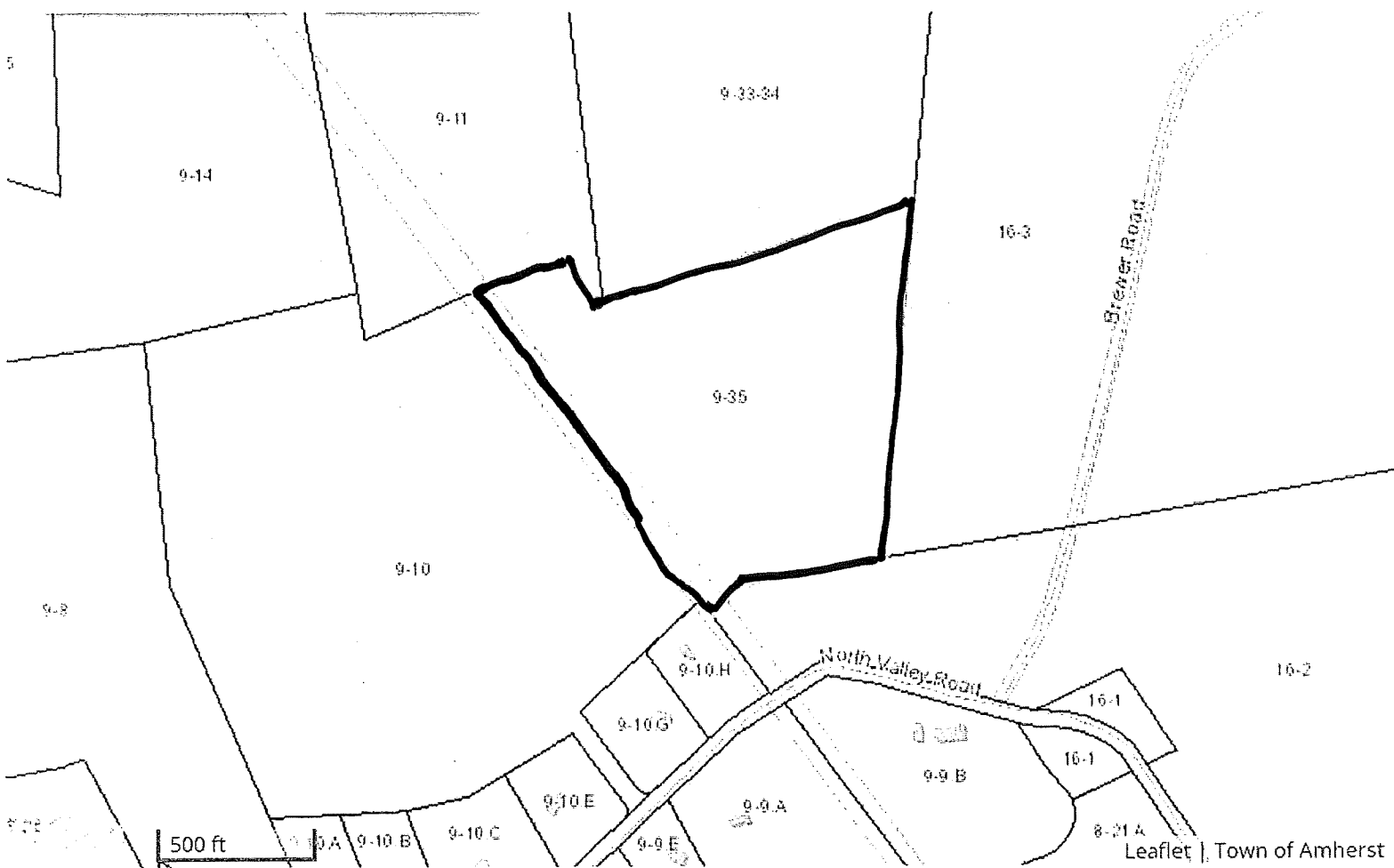
15-13
RANDALL BROUGHTON SMITH 1997 TRU
C/O LLOYD W BISHOP
325 W 45th St Apt 408
New York, NY

15-14-3
SEANG, YON & SOKHOM OK
276 Amherst Rd
Pelham, MA 01002

15-14-4
MCQUILLEN COLLEEN K
2140 N Richmond St Unit 5
Chicago, IL

15-14-6
NAUGHTON GEORGE B & CYNTHIA L
279 North Valley Rd
Pelham, MA 01002

15-14-7
ZEPHYR, LISA K & PATRICK P
281 North Valley Rd
Pelham, MA 01002



9-35

16-2
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002

16-3
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002

9-10
PELHAM TOWN OF
351 Amherst Rd
Pelham, MA 01002

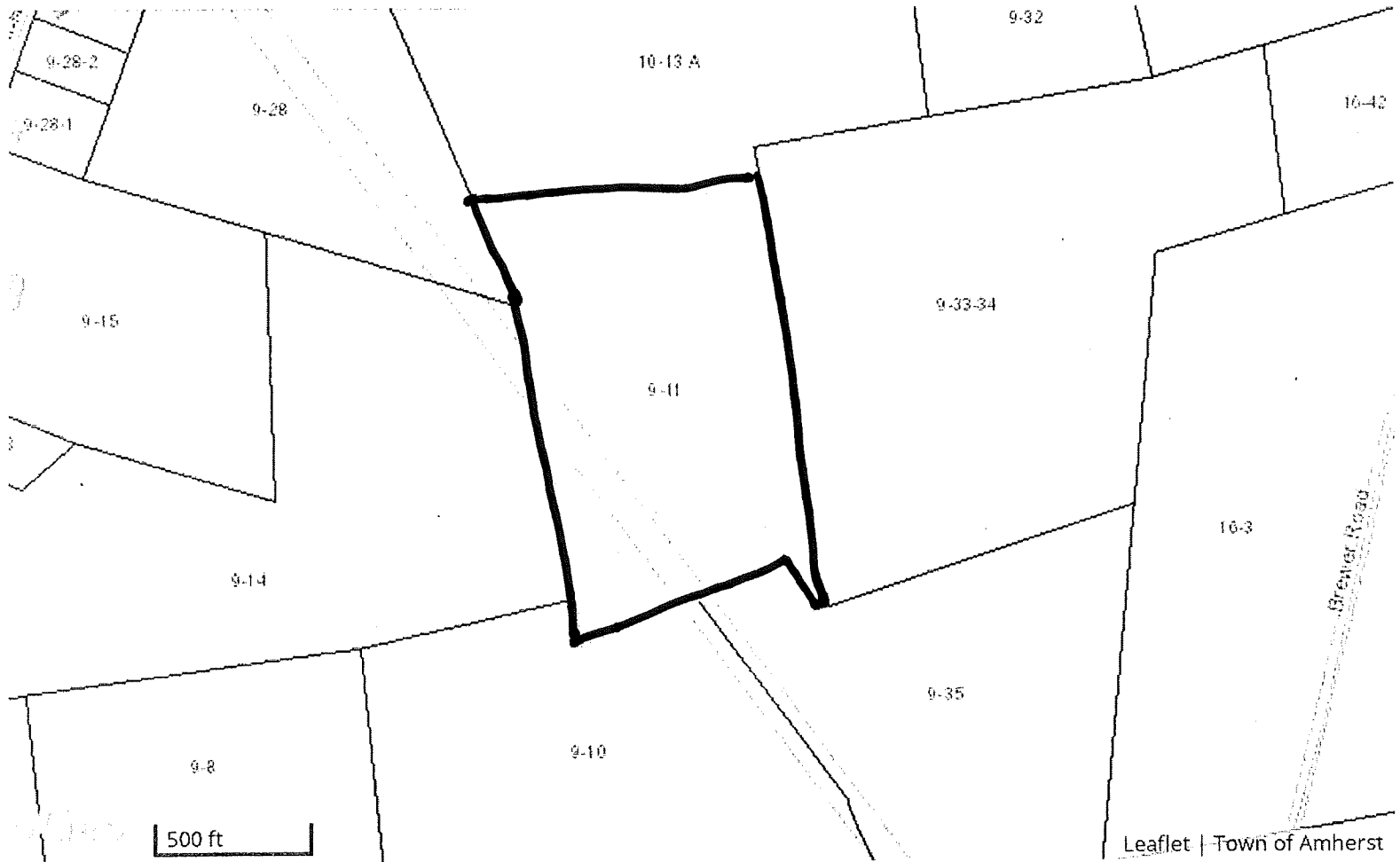
9-10.G
MCDONNELL ELIZABETH & WILLIAMS P
222 North Valley Rd
Pelham, MA 01002

9-10.H
BOSCH DAVID L & BARLOW BRENDA S
224 North Valley Rd
Pelham, MA 01002

9-11
MACCONNELL WILLIAM
C/O MACCONNELL PETER
6 South East St
Amherst, MA 01002

9-33-34
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002

9-35
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002



9-11

10-13.A
PELHAM TOWN OF
351 Amherst Rd
Pelham, MA 01002

9-10
PELHAM TOWN OF
351 Amherst Rd
Pelham, MA 01002

9-11
MACCONNELL WILLIAM
C/O MACCONNELL PETER
6 South East St
Amherst, MA 01002

9-14
TOWN OF PELHAM
351 Amherst Rd
Pelham, MA 01002

9-28
PELHAM TOWN OF
351 Amherst Rd
Pelham, MA 01002

9-33-34
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002

9-35
AMHERST TOWN OF
DEPT OF PUBLIC WORKS
586 South Pleasant St
Amherst, MA 01002

9-28

10-13-3
ARMACOST GRETCHEN B
Po Box 2307
Amherst, MA 01002

9-29
WILSON WILLIAM F JR & LISA
117 Buffam Rd
Pelham, MA 01002

10-13.A
PELHAM TOWN OF
351 Amherst Rd
Pelham, MA 01002

10-13.B
WEEKS WILLARD T & BARBARA S
Po Box 2275
Amherst, MA 01002

9-11
MACCONNELL WILLIAM
C/O MACCONNELL PETER
6 South East St
Amherst, MA 01002

9-14
TOWN OF PELHAM
351 Amherst Rd
Pelham, MA 01002

9-15
HUBBE RAYMOND E & BURN VIRGINIA
85 Buffam Rd
Pelham, MA 01002

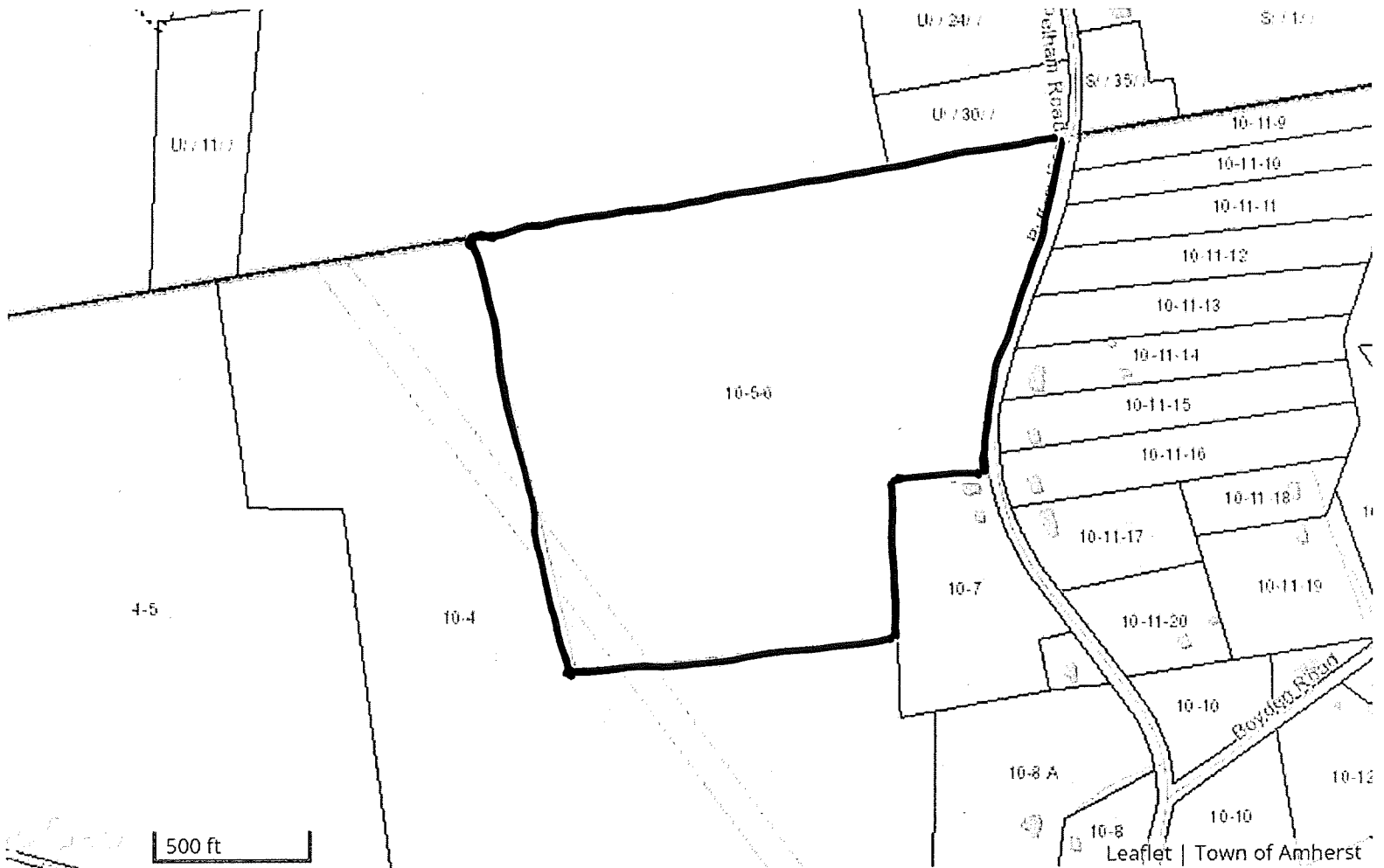
9-28
PELHAM TOWN OF
351 Amherst Rd
Pelham, MA 01002

9-28-1
KRONER SIMON JOSHUA & MONA L K
97 Buffam Rd
Pelham, MA 01002

9-28-2
PELHAM TOWN OF
351 Amherst Rd
Pelham, MA 01002

9-28-3
SILVERSTEIN NORMA J & RACE TERRY
107 Buffam Rd
Pelham, MA 01002

10-5-6



10-5-6

10-11-10
WILSON HAROLD
165 Buffam Rd
Pelham, MA 01002

10-5-6
DOUGLAS, DAMON G III & ROSS, THE
530 West Pelham Rd
Amherst, MA 01002

10-11-11
WILSON PETER
155 Buffam Rd
Pelham, MA 01002

10-7
HAWKINS DAVID C & SUSAN L
152 Buffam Rd
Pelham, MA 01002

10-11-12
WILSON HAROLD
165 Buffam Rd
Pelham, MA 01002

10-8.A
INTERNATIONAL COMMUNITY OF KHMER
144 Buffam Rd
Pelham, MA 01002

10-11-13
WILSON PETER
155 Buffam Rd
Pelham, MA 01002

10-11-14
WILSON HAROLD
165 Buffam Rd
Pelham, MA 01002

10-11-15
DEANGELIS VIVIAN M & MCILWAIN RO
163 Buffam Rd
Pelham, MA 01002

10-11-16
WILSON HAROLD
165 Buffam Rd
Pelham, MA 01002

10-11-17
WILSON PETER
155 Buffam Rd
Pelham, MA 01002

10-11-9
WILSON PETER
155 Buffam Rd
Pelham, MA 01002

10-4
THOMPSON, CHARLES & BOY, SARAH V
7 Old Pratts Corner Rd
Pelham, MA 01002

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 Pelham Conservation Commission on 03/20/2024 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 at six existing structures within Pelham, and one boring in Shutesbury requiring a wetland crossing in Pelham. Borings are proposed within Bordering Vegetated Wetlands, Riverfront Area, and the 100-ft Buffer Zone. Access and work area improvements are proposed outside of BVW and temporary construction matting within BVW will be used to access the boring locations.

- B. The name of the applicant is: New England Power Company.
- C. The address of the land where the activity is proposed is: Various parcels along the E5/F6 Transmission Lines ROW off of Old Pratts Corner, North Valley Road, Amherst Road, Tower Road and Daniel Shays Highway in Pelham, MA.
- D. Copies of the Notice of Intent may be examined or obtained at the office of the Pelham Conservation Commission, located at 351 Amherst Road, Pelham, MA. The Commission may be reached at 413-461-8224 to confirm office hours.
- E. Copies of the Notice of Intent may be obtained from the applicant or their representative by calling Erasme da Cruz, representative at (617) 896-4589. 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 Pelham Conservation Commission. Notice of the public hearing will be published at least five business days in advance, in the Daily Hampshire Gazette.

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.

Attachment E

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

NATIONAL GRID'S BEST MANAGEMENT PRACTICES

SUBJECT

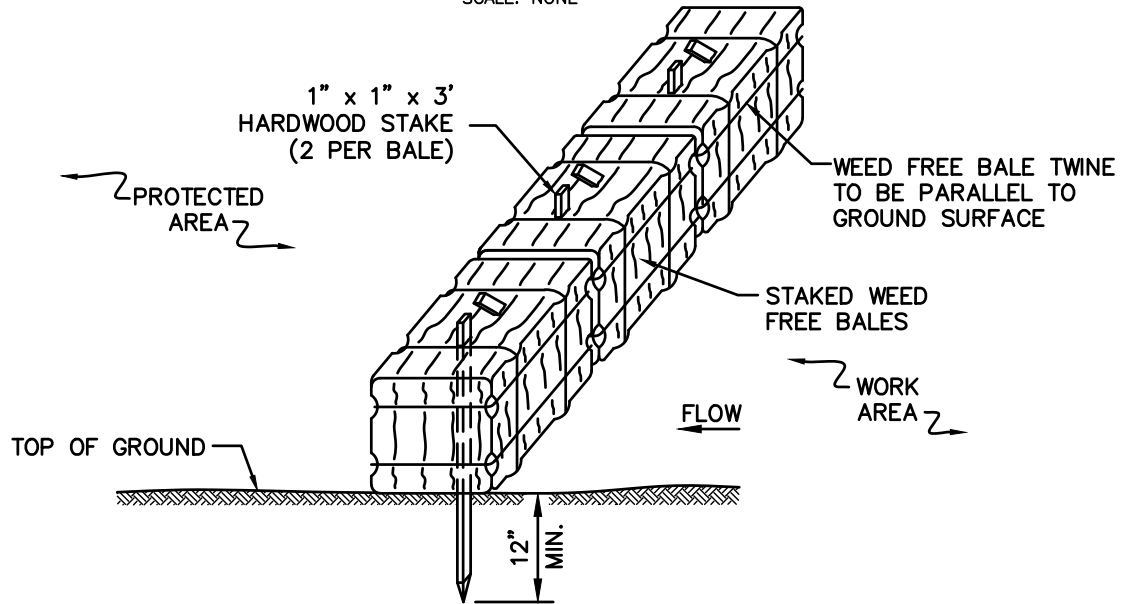
Access, Maintenance and Construction
Best Management Practices

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



File: BALE_BARRIER.DWG

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SEC-1
WEED FREE BALE BARRIER

SUBJECT

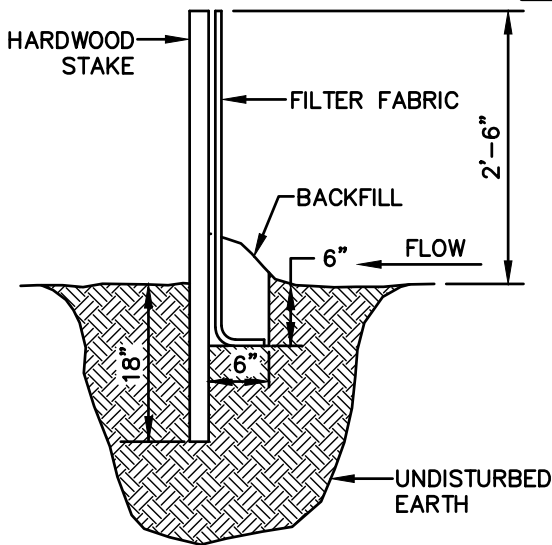
Access, Maintenance and Construction
Best Management Practices

Reference

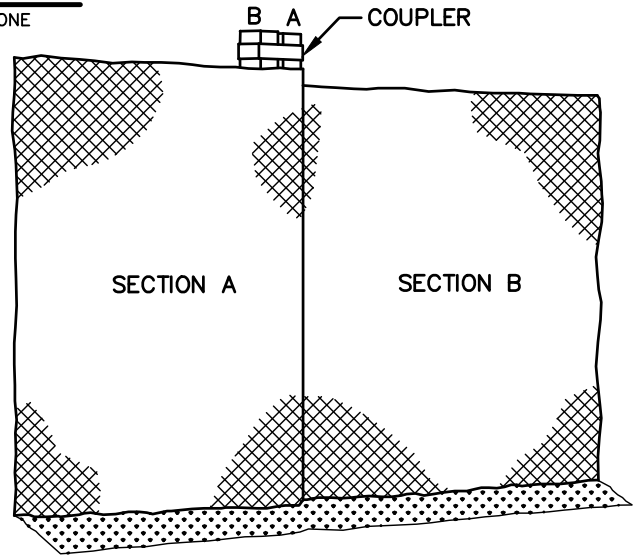
EP No. 3 - Natural Resource
Protection (Chapter 6)

BMP DETAIL

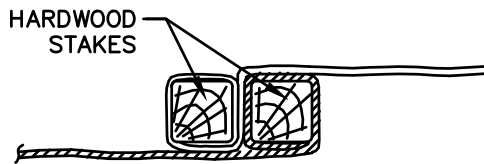
SCALE: NONE



PROFILE



SECTION



PLAN

BMP PICTURE



File: Sediment_Fence.dwg

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SEC-2
SEDIMENT CONTROL FENCE

SUBJECT

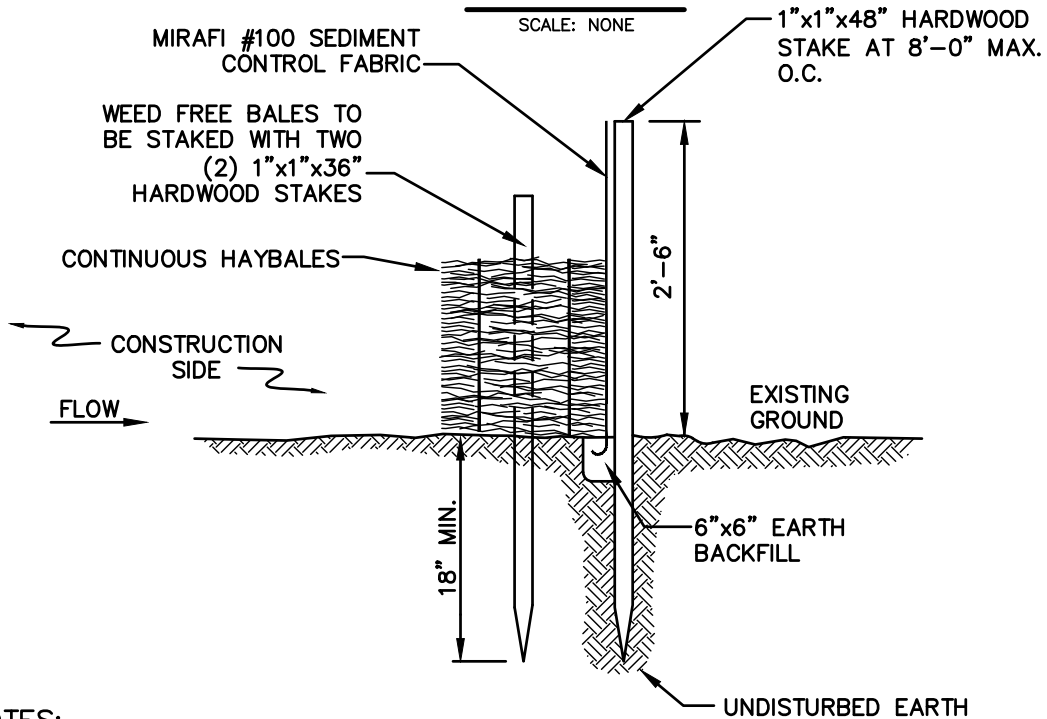
Access, Maintenance and Construction
Best Management Practices

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



File: Silt_Fence_&_Barrier.dwg

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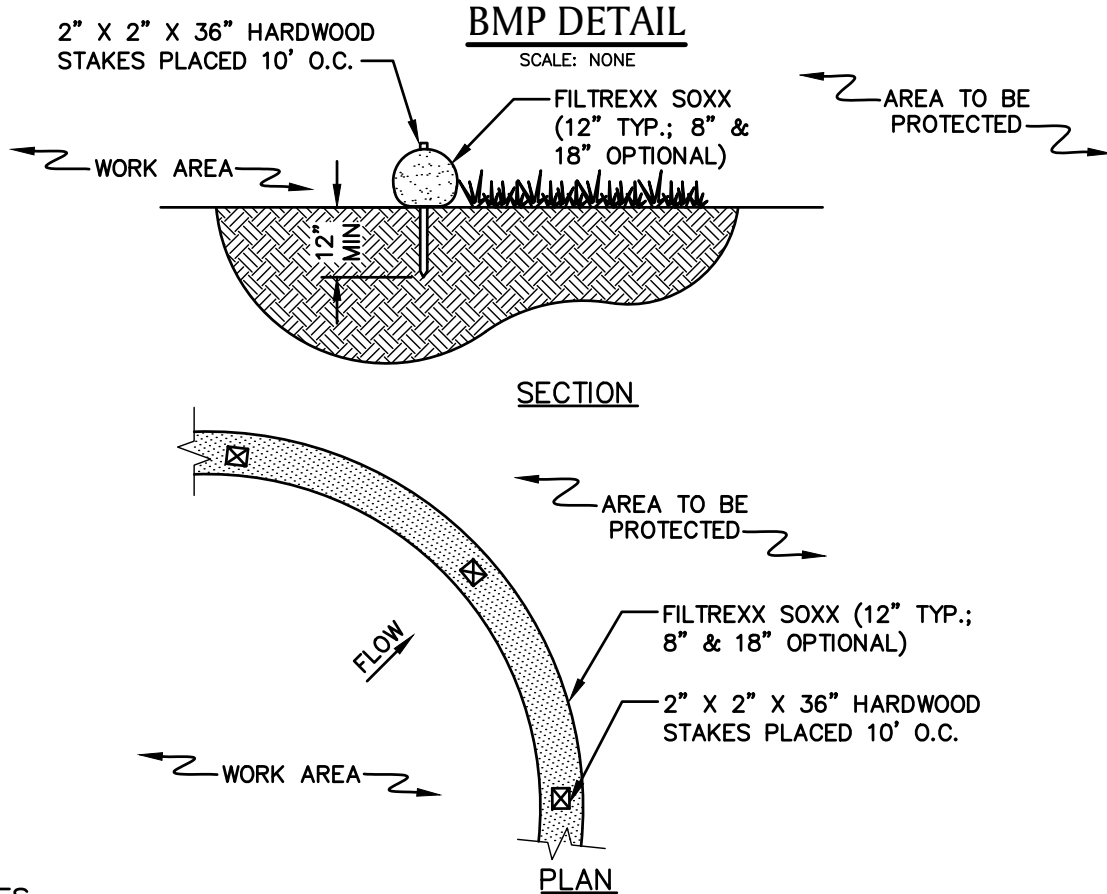
SEC-3
SILT FENCE /
WEED FREE BARRIER

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
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SEC-4
SILT SOXX *

SUBJECT

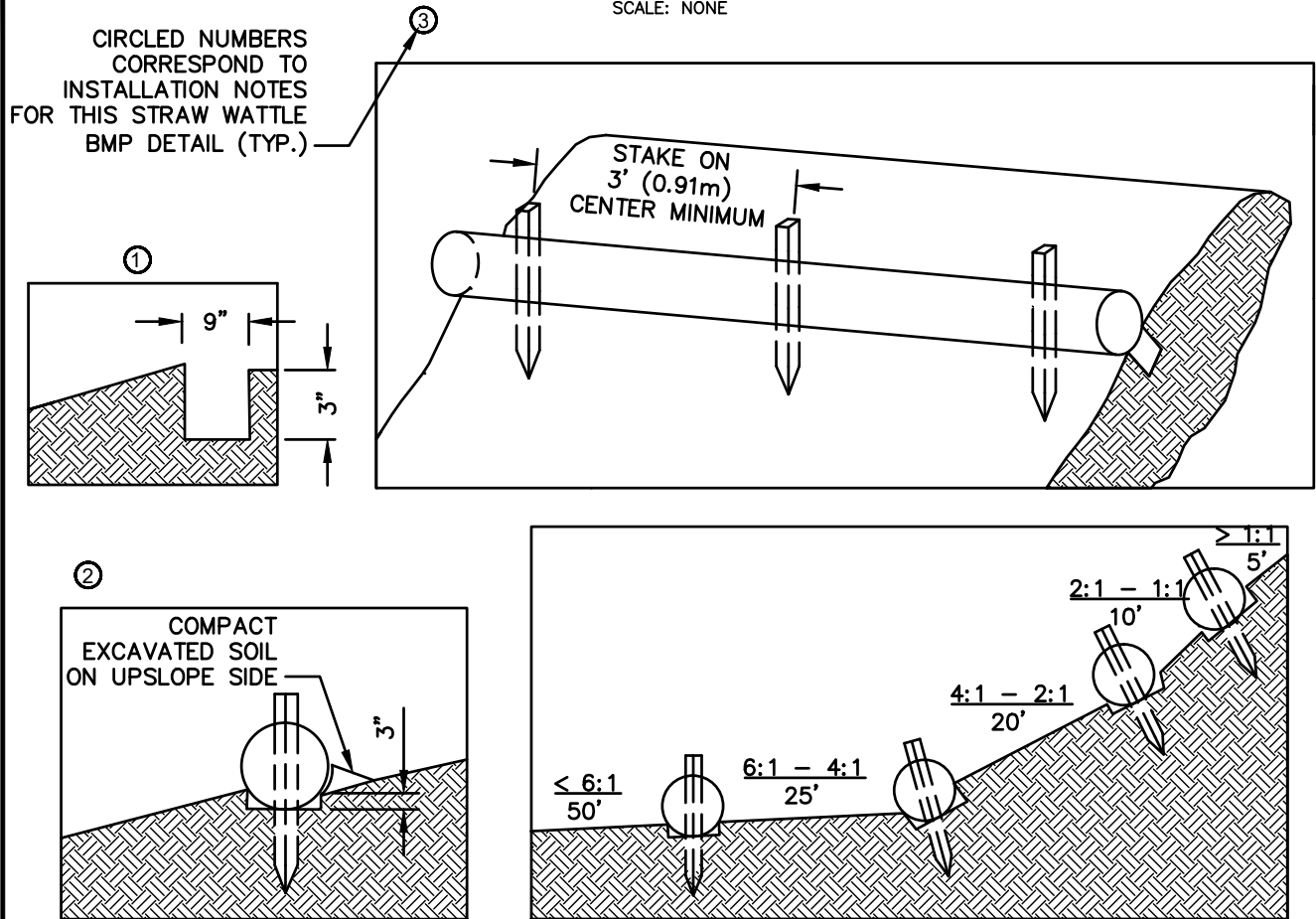
Access, Maintenance and Construction
Best Management Practices

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
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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.

* DETAIL AND PICTURE PROVIDED BY TENSAR NORTH AMERICAN GREEN
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SEC-5
STRAW WATTLE * (2 OF 2)

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>
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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 gracillis; 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

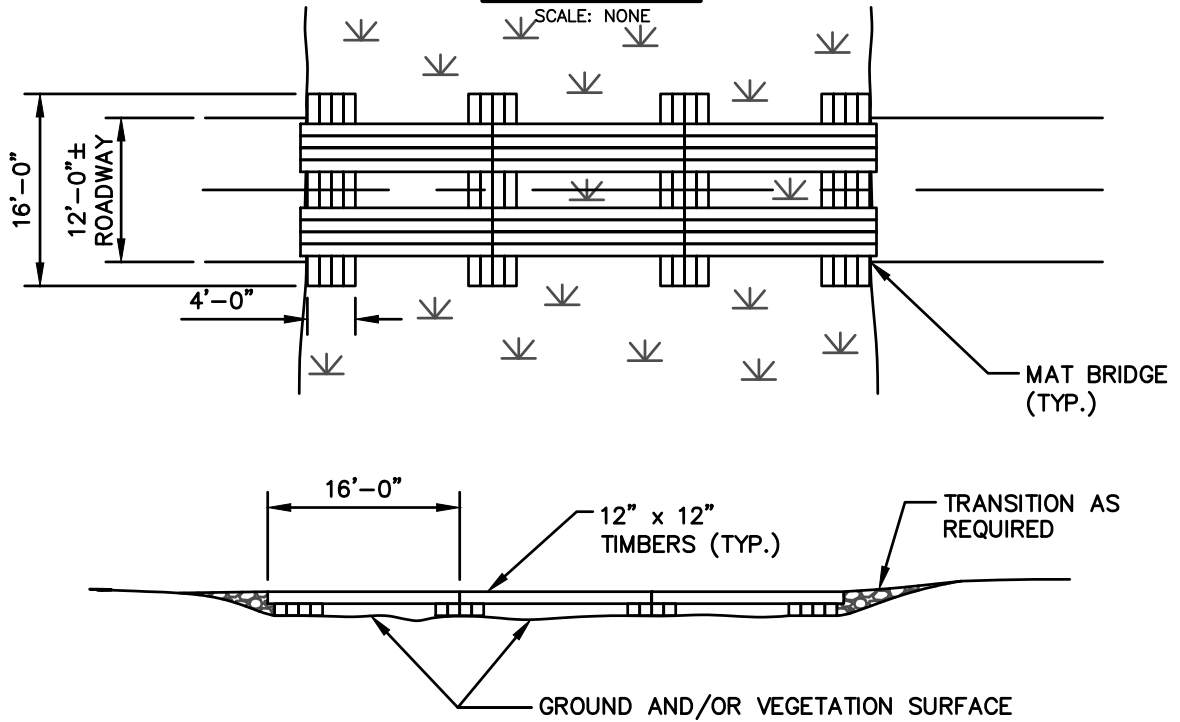
SUBJECT

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



File: Mat_Bridge.dwg

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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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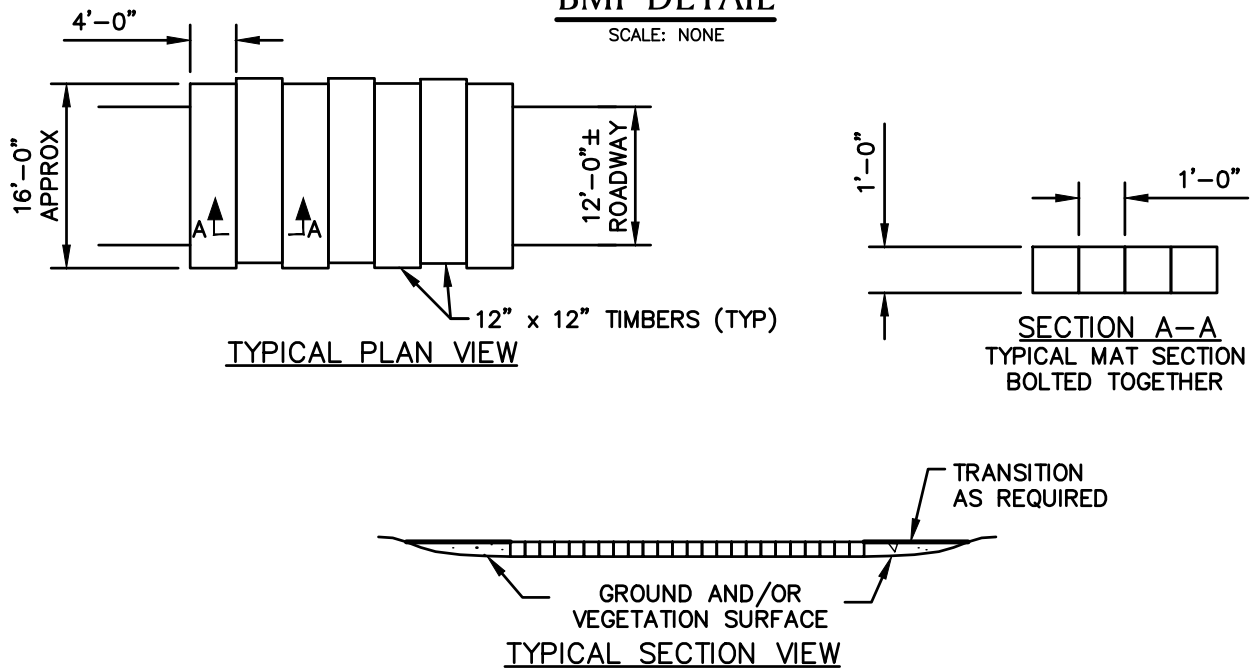
CM-2
CONSTRUCTION MAT BRIDGE
(2 OF 2)

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



File: Swamp_Mat_Layout.dwg

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CM-3
CONSTRUCTION MAT LAYOUT
(WITH TRANSITION)

SUBJECT

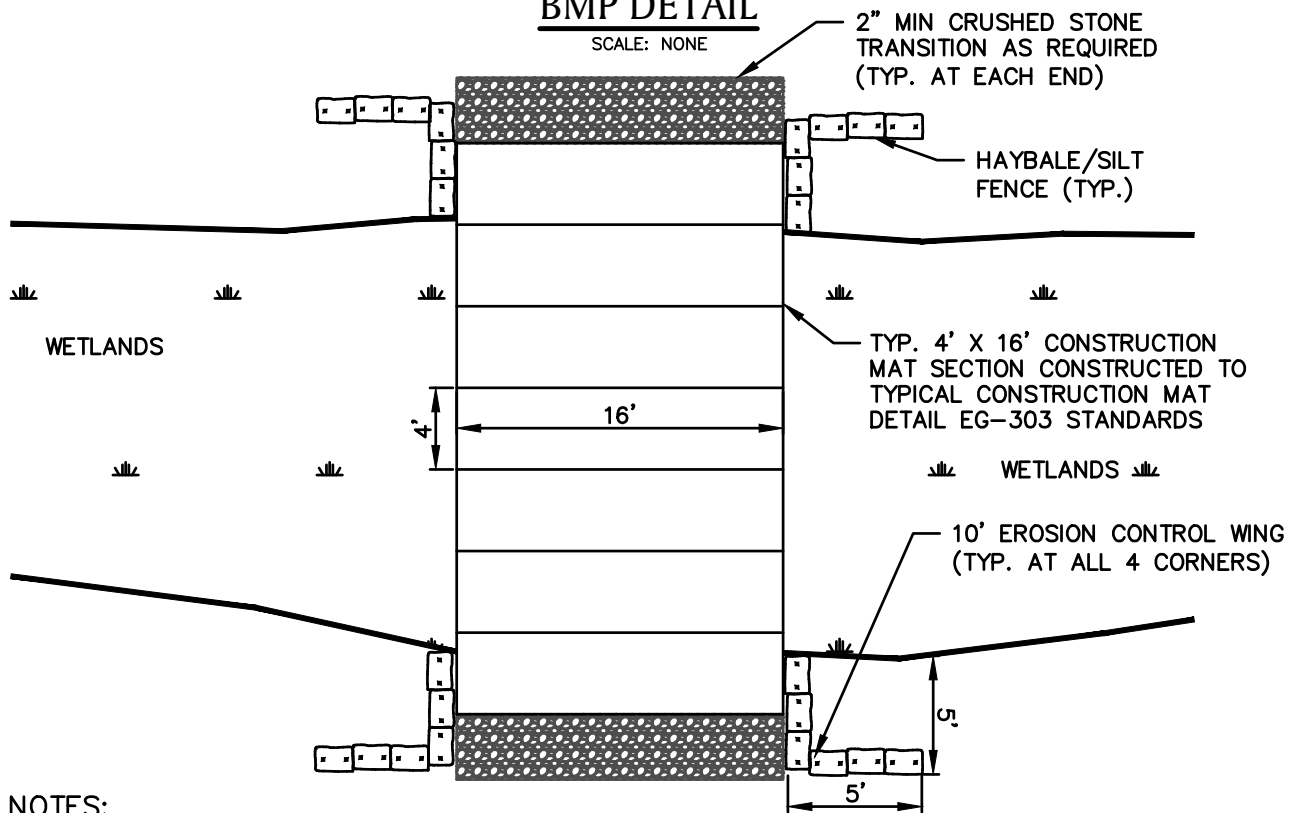
Access, Maintenance and Construction
Best Management Practices

Reference

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

BMP DETAIL

SCALE: NONE



NOTES:

1. ADD FILTER FABRIC AS NEEDED UNDER STONE TRANSITION RAMPS.
2. ALL MEASUREMENTS AND LOCATIONS ARE APPROXIMATE.

BMP PICTURE



CM-4

**CONSTRUCTION MAT LAYOUT
(WITH TRANSITION AND BMPs)**

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SUBJECT

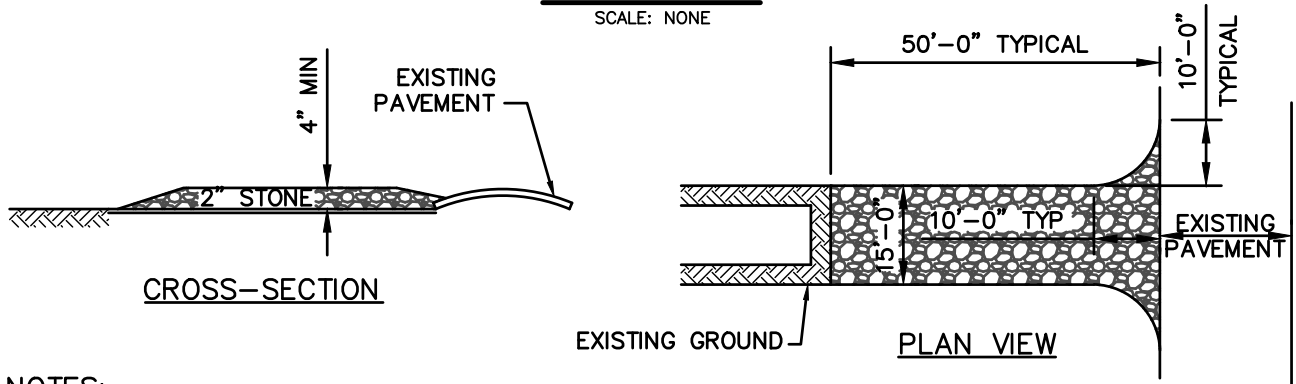
Access, Maintenance and Construction
Best Management Practices

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, SEED, 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



File: Temp_Construction_Ent.dwg

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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 PICTURE



NOTE:

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

File: Access_Stabilization.dwg

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CM-10
ACCESS WAY STABILIZATION

SUBJECT

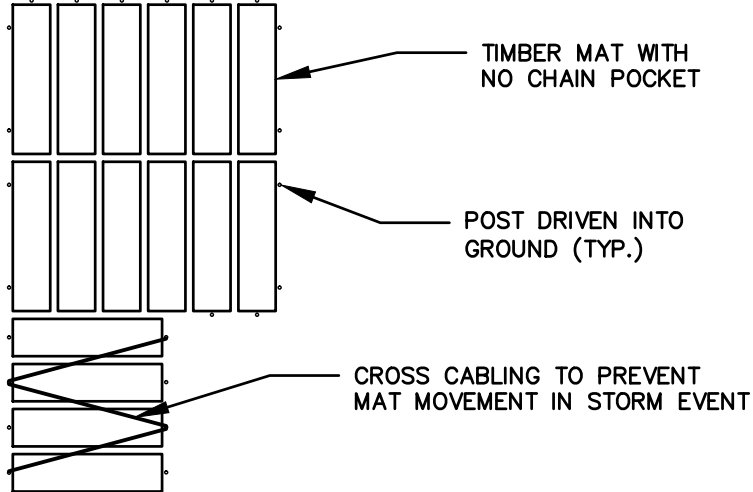
Access, Maintenance and Construction
Best Management Practices

Reference

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

BMP DETAIL 1

SCALE: NONE



TYPICAL PLAN VIEW

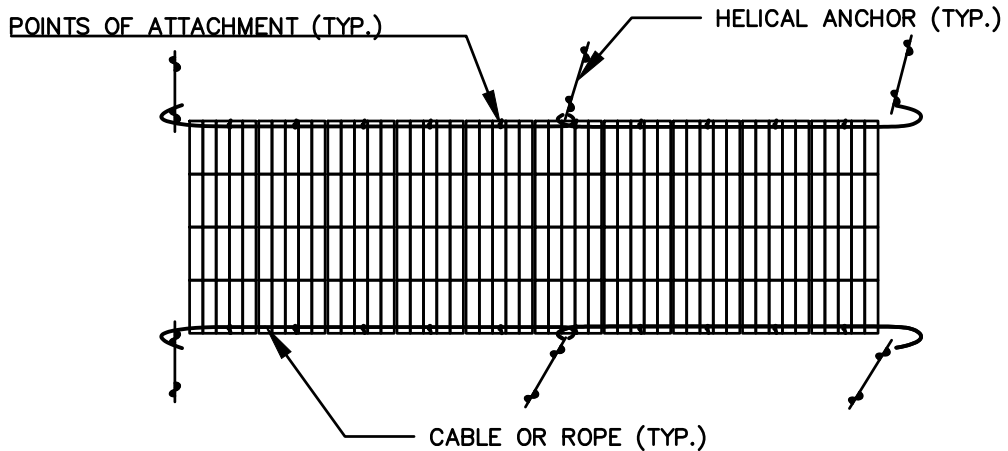
NOTES:

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



File: Const_Mat_Anchoring.dwg

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CM-12
**EXAMPLE OF CONSTRUCTION MAT
ANCHORING (2 OF 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 PICTURE



NOTE:

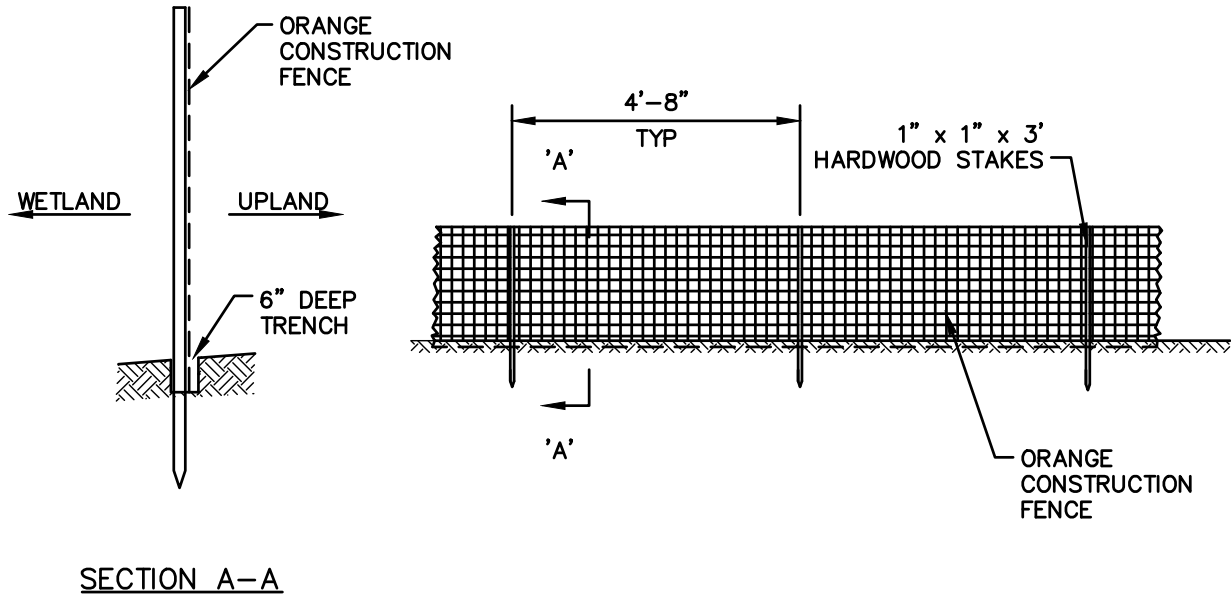
1. PICTURE SHOWS SEDIMENT FILTER WITHIN A WETLAND.

SUBJECT
Access, Maintenance and Construction
Best Management Practices

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

BMP DETAIL

SCALE: NONE



BMP PICTURE



File: Barrier_Fence.dwg

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

SUBJECT

Access, Maintenance and Construction
Best Management Practices

Reference

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

BMP**Definition**

The control of dust resulting from land-disturbing activities.

Purpose

To prevent surface and air movement of dust from disturbed soil surfaces that may cause off-site damage, health hazards, and traffic safety problems.

Conditions Where Practice Applies

On construction roads, access points, and other disturbed areas subject to surface dust movement and dust blowing where off-site damage may occur if dust is not controlled.

Design Criteria

Construction operations should be scheduled to minimize the amount of area disturbed at one time. Buffer areas of vegetation should be left where practical. Temporary or permanent stabilization measures shall be installed. No specific design criteria is given; see construction specifications below for common methods of dust control.

Water quality must be considered when materials are selected for dust control. Where there is a potential for the material to wash off to a stream, ingredient information must be provided to the local permitting authority.

Construction Specifications

A. Non-driving Areas – These areas use products and materials applied or placed on soil surfaces to prevent airborne migration of soil particles.

* 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>
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Vegetative Cover – For disturbed areas not subject to traffic, vegetation provides the most practical method of dust control (see Section 3).

Mulch (including gravel mulch) – Mulch offers a fast effective means of controlling dust. This can also include rolled erosion control blankets.

Spray adhesives – These are products generally composed of polymers in a liquid or solid form that are mixed with water to form an emulsion that is sprayed on the soil surface with typical hydroseeding equipment. The mixing ratios and application rates will be in accordance with the manufacturer's recommendations for the specific soils on the site. In no case should the application of these adhesives be made on wet soils or if there is a probability of precipitation within 48 hours of its proposed use. Material Safety Data Sheets will be provided to all applicators and others working with the material.

B. Driving Areas – These areas utilize water, polymer emulsions, and barriers to prevent dust movement from the traffic surface into the air.

Sprinkling – The site may be sprayed with water until the surface is wet. This is especially effective on haul roads and access routes.

Polymer Additives – These polymers are mixed with water and applied to the driving surface by a water truck with a gravity feed drip bar, spray bar or automated distributor truck. The mixing ratios and application rates will be in accordance with the manufacturer's recommendations. Incorporation of the emulsion into the soil will be done to the appropriate depth based on expected traffic. Compaction after incorporation will be by vibratory roller to a minimum of 95%. The prepared surface shall be moist and no application of the polymer will be made if there is a probability of precipitation within 48 hours of its proposed use. Material Safety Data Sheets will be provided to all applicators working with the material.

Barriers – Woven geotextiles can be placed on the driving surface to effectively reduce dust throw and particle migration on haul roads. Stone can also be used for construction roads for effective dust control.

Windbreak – A silt fence or similar barrier can control air currents at intervals equal to ten times the barrier height. Preserve existing wind barrier vegetation as much as practical.

SUBJECT

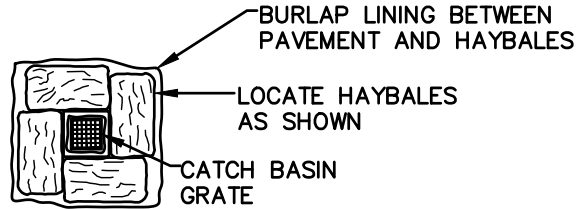
Access, Maintenance and Construction
Best Management Practices

Reference

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

BMP DETAIL

SCALE: NONE



TIE HAYBALES TOP &
BOTTOM WITH 14
GAUGE WIRE



NOTES:

1. SURROUND STREET DRAINAGE STRUCTURE INLET WITH HAY BALES PRIOR TO CONSTRUCTION AND MAINTAIN UNTIL CONSTRUCTION IS COMPLETED. ACCUMULATED SEDIMENTS SHALL BE REMOVED.
2. HAYBALES PLACED ON PAVEMENT SHALL HAVE BURLAP PLACED BETWEEN PAVEMENT AND HAYBALE

BMP PICTURE



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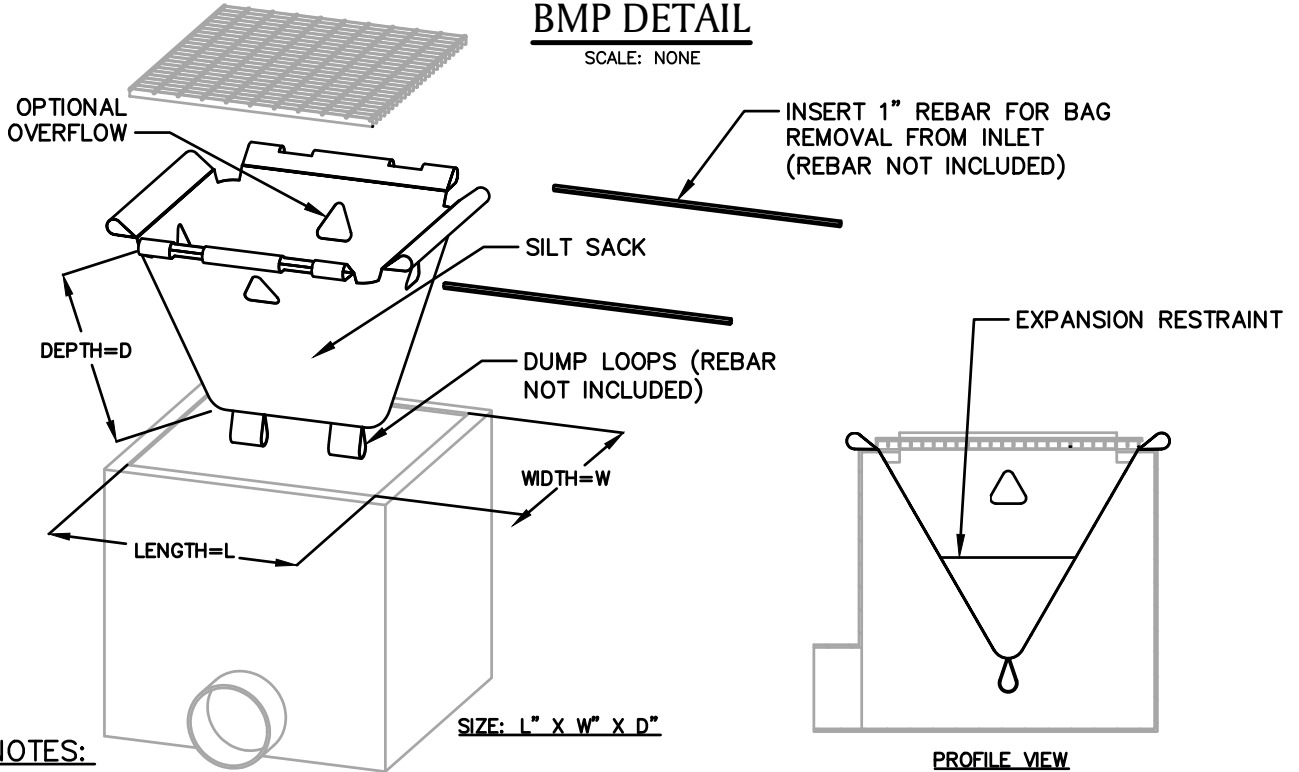
AA-19
CATCH BASIN INLET PROTECTION

SUBJECT
Access, Maintenance and Construction
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Reference
EP No. 3 - Natural Resource
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BMP DETAIL

SCALE: NONE



NOTES:

1. PRODUCT TO BE SILT SACK OR APPROVED EQUAL BY NATIONAL GRID ENVIRONMENTAL SCIENTIST.
2. THE USE OF A SILT SACK OPTIONAL OVERFLOW AND OVERALL DIMENSIONS ARE TO BE COORDINATED WITH A NATIONAL GRID ENVIRONMENTAL SCIENTIST.

BMP PICTURE



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 SILT SACK *