

NEW ENGLAND POWER COMPANY
S145E/T146E Line Geotechnical Soil Borings Project
Notice of Intent

Lynnfield, MA

**Lynnfield
Conservation Commission
September 2023**

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

BSC Project No. 89620.39

Prepared by:



1 Mercantile Street, Suite 610
Worcester, MA 01608

SEPTEMBER 27, 2023

www.bscgroup.com

Lynnfield Conservation Commission
55 Summer St
Lynnfield, MA 01940.

**RE: Notice of Intent
S145E/T146E Line Geotechnical Soil Borings Project
Lynnfield, Massachusetts
New England Power Company**

Dear Emilie Cademartori and Conservation Commission Members,

On behalf of New England Power Company (NEP), BSC Group, Inc. (BSC) is pleased to submit this Notice of Intent (NOI) for activities associated with exploratory geotechnical soil borings along the S145E/T146E Right-of-Way (ROW), in Lynnfield, MA ("the Project"). Specifically, geotechnical soil borings are proposed at ten (10) Structures on the S145E Line (Structures 82, 83, 84, 85, 89, 91, 93-1, 95, 97, and 103), and ten (10) Structures on the T146E Line (Structures 82, 83, 84, 85, 86, 87, 90, 92, 98, and 104), located within jurisdictional wetland resource areas including Bordering Vegetative Wetland (BVW), 100-ft Buffer Zone (BZ) to BVW and Inland Bank, 200-ft Riverfront Area (RA), NHESP Priority Habitat, and Surface Water Protection Zone (SWPZ). Construction mats or the use of low ground pressure (LGP) equipment will be required for access and work areas within BVWs, including some designated as Outstanding Resource Waters (ORWs). In total, ~35,719 square foot (sf) of construction matting is required for access and work pads within BVW. This includes ~8,702-sf within wetlands designated as ORWs. Alternatively, LGP equipment may be used to complete the borings.

One (1) soil boring will be conducted at each Structure location. Soil borings are approximately four (4) to six (6) inches in diameter, resulting in ~1-sf of temporary impact per soil boring. A metal grounding rod will be installed in all the upland bore holes after the rock core is collected. Any excess soils resulting from the exploratory boring activities will be spread immediately adjacent to the borings and stabilized. Existing and historically used access roads will be used to access the soil boring locations. NEP does not anticipate any adverse impacts to wetland resource areas.

Best Management Practices ("BMPs"), including sediment and erosion controls, will be implemented to ensure adjacent resource areas are adequately protected, and impacts to the surrounding areas are reduced. Upon completion of the Project activities, all

temporarily disturbed areas will be restored to pre-existing conditions to the maximum extent practicable.

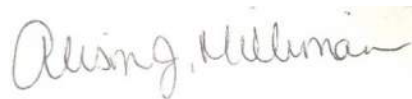
This NOI is being submitted in accordance with the Massachusetts Wetlands Protection Act (WPA)(M.G.L. Ch.131, S.40), and its implementing regulations (310 CMR 10.00), and the City of Lynnfield Bylaw (Wetland Protection Bylaws, Chapter 240-2). The proposed project qualifies as a limited project under CMR 10.53(3)(d) which allows for *"the construction, reconstruction, operation, and maintenance of underground and overhead public utilities, such as electrical distribution or transmission lines..."*.

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 cover letter and narrative.

The Project is exempt from MESA requirements pursuant to 21 CMR 10.18 through 10.23 for performance of customary land surveying activities as well as routine operation and maintenance on existing transmission lines with adherence to National Grid's Operation and Maintenance Plan.

We respectfully request that this matter be heard at the next scheduled Conservation Commission hearing. This application has been submitted electronically via eDEP, and eight (8) hard copies have been sent to the Lynnfield Conservation Commission. If you have any questions regarding the enclosed information, please contact me at 617-896-4532 or Andrew Cole of NEP at 508-948-9376. Thank you for your consideration in this matter.

Truly yours,
BSC Group, Inc.



Alison Milliman
Senior Project Manager

cc: Andrew Cole, NEP
MassDEP NERO

Enclosures:

WPA Form 3 – Notice of Intent, NOI Fee Transmittal Form, and Copy of Filing Fee Checks

Attachment A Detailed Project Narrative

Attachment B USGS Site Locus Map, Environmental Resources Map

Attachment C Site Photographs & Wetland Data Forms

Attachment D Abutters Notification Letter, Certified List of Abutters, Affidavit of Service

Attachment E National Grid's Best Management Practices Manual (EG-303)

Table of Contents

S145E/T146E Line Geotechnical Soil Borings Project
Lynnfield, Massachusetts
Notice of Intent

FORMS	WPA FORM 3 – NOTICE OF INTENT COPY OF FILING FEE
ATTACHMENT A	PROJECT NARRATIVE
ATTACHMENT B	USGS SITE LOCUS MAP ENVIRONMENTAL RESOURCES MAP
ATTACHMENT C	SITE PHOTOGRAPHS
ATTACHMENT D	EG-303NE BEST MANAGEMENT PRACTICES
ATTACHMENT E	ABUTTER NOTIFICATION LETTER CERTIFIED LIST OF ABUTTERS AFFIDAVIT OF SERVICE



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

Lynnfield

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):

S145E/T146E Transimission Line ROW
 a. Street Address
 Lynnfield
 b. City/Town
 01940
 c. Zip Code
 Latitude and Longitude:
 42.507556
 d. Latitude
 -71.026499
 e. Longitude
 0060-0000-0006; 0060-0000-0013; 0056 0000
 1099; M_240251_917191
 f. Assessors Map/Plat Number

2. Applicant:

Andrew
 a. First Name
 Cole
 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
 508-948-9376
 h. Phone Number
 i. Fax Number
 andrew.cole@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):

Alison
 a. First Name
 Milliman
 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
 (617) 896-4532
 h. Phone Number
 i. Fax Number
 amilliman@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



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
Lynnfield
City/Town

A. General Information (continued)

6. General Project Description:

NEP is proposing to conduct exploratory soil borings and access for planning and design purposes associated with future utility work, on the S145E/T146E Transmission Line. Activities are proposed within Bordering Vegetated Wetland (BVW), 100-ft Buffer Zone to BVW, and 200-ft Riverfront Area, as well as NHESP Priority Habitat.

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 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:

Essex	_____	_____
a. County		b. Certificate # (if registered land)
NEP has Easement rights	_____	_____
c. Book		d. Page Number

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

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

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



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Lynnfield

City/Town

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

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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input checked="" type="checkbox"/> Bordering Vegetated Wetland	~7 (Temp) 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	Hawkes Brook and Cedar Brook 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: ~10,489 square feet

4. Proposed alteration of the Riverfront Area:

7 a. total square feet 3 b. square feet within 100 ft. 4 c. square feet between 100 ft. and 200 ft.

5. Has an alternatives analysis been done and is it attached to this NOI? Yes No

6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No

3. Coastal Resource Areas: (See 310 CMR 10.25-10.35)

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



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Lynnfield

City/Town

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

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

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

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	_____	
	1. square feet	

	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	_____	_____
	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	_____	_____
	1. square feet	2. cubic yards dune nourishment

	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	

	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	

	1. cubic yards dredged	
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



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
Lynnfield
City/Town

C. Other Applicable Standards and Requirements

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

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

- 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 1, 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*

- Percentage/acreage of property to be altered:
 - (a) within wetland Resource Area _____ percentage/acreage
 - (b) outside Resource Area _____ percentage/acreage

- Assessor's Map or right-of-way plan of site

- 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.



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

Lynnfield

City/Town

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

- (c) MESA filing fee (fee information available at <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).

Make check payable to “Commonwealth of Massachusetts - NHESP” and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

- (d) Vegetation cover type map of site

- (e) Project plans showing Priority & Estimated Habitat boundaries

- (f) OR Check One of the Following

1. Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. Separate MESA review ongoing.

a. NHESP Tracking #

b. Date submitted to NHESP

3. Separate MESA review completed.

Include copy of NHESP “no Take” determination or valid Conservation & Management Permit with approved plan.

3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

- a. Not applicable – project is in inland resource area only b. Yes No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

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

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: dmf.envreview-south@mass.gov

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).



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

Lynnfield

City/Town

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.

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



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
Lynnfield
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

August 2023

1"=100'

d. Final Revision Date

e. Scale

USGS Locus Map

July 2023

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:

3490

2. Municipal Check Number

9/27/2023

3. Check date

eDEP file

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



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent


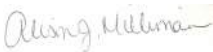
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
Lynnfield
City/Town

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

	9 / 27 / 2023
1. Signature of Applicant	2. Date
3. Signature of Property Owner (if different)	4. Date
	9 / 27 / 2023
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:

S145E/T146E Transimission Line ROW
 a. Street Address
 Lynnfield
 b. City/Town
 \$362.50
 d. Fee amount

2. Applicant Mailing Address:

Andrew
 a. First Name
 Cole
 b. Last Name
 New England Power Company (NEP)
 c. Organization
 170 Data Drive
 d. Mailing Address
 Waltham
 e. City/Town
 MA
 f. State
 02451
 g. Zip Code
 508-948-9376
 h. Phone Number
 i. Fax Number
 Andrew.cole@nationalgrid.com
 j. Email Address

3. Property Owner (if different):

NEP Utility ROW / Easement Rights
 a. First Name
 b. Last Name
 c. Organization
 d. Mailing Address
 e. City/Town
 f. State
 g. Zip Code
 h. Phone Number
 i. Fax Number
 j. Email Address

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

B. Fees

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

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

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

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

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

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

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



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

B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category 2(e)	1 (x1.5)	\$750.00	\$750.00
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Step 5/Total Project Fee: _____

Step 6/Fee Payments:

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

C. Submittal Requirements

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

Department of Environmental Protection
 Box 4062
 Boston, MA 02211

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

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

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

PAY TO THE ORDER OF

The Lynnfield Villager
Fifty dollars *50.00*

Eastern Bank

Boston, MA 02110
easternbank.com
800 EASTERN

FOR

89620.39

DATE

9/27/23

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

DOLLARS



Security Features Details on back

3489



53-179/113

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

PAY TO THE ORDER OF

Town of Lynnfield
Three hundred eighty-seven dollars *387.50*

Eastern Bank

Boston, MA 02110
easternbank.com
800 EASTERN

FOR

89620.39

DATE

9/27/23

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

DOLLARS



Security Features Details on back

3490



53-179/113

⑆003490⑆ ⑆011301798⑆ 0600659304⑆

Attachment A

S145/T146E Line Geotechnical Soil Borings Project
Lynnfield, Massachusetts
Notice of Intent

PROJECT NARRATIVE

1 INTRODUCTION

On behalf of New England Power Company (NEP), BSC Group, Inc. (BSC) is pleased to submit this Notice of Intent (NOI) for activities associated with exploratory geotechnical soil borings along the S145E/T146E Right of Way (ROW) in Lynnfield, MA (the Project). This NOI is being submitted in accordance with the Massachusetts Wetlands Protection Act (*M.G.L. Ch.131, S.40*) (WPA), and it implements regulations (*310 CMR 10.00*), and the Town of Lynnfield Bylaw (*Wetland Protection Bylaws, Chapter 240-2*), hereafter referred to as the “Lynnfield Bylaw”.

Geotechnical soil borings are proposed at twenty (20) existing Structures located within jurisdictional resource areas including Bordering Vegetated Wetland (BVW), Outstanding Resource Waters (ORW), 200-ft Riverfront Area (RA), 100-ft Buffer Zone (BZ) to BVW, and NHESP Rare Species Habitat, as well as the locally-regulated 50-ft No Build and 25-ft No Disturb Zones. Soil boring locations and their associated resource areas are described in Table 3-1, on page 3 of this Project Narrative. One (1) soil boring will be conducted at each Structure. Soil borings are approximately four (4) to six (6) inches in diameter, resulting in approximately 1 square foot (sf) of temporary impact per soil boring. A metal grounding rod will be installed in all the upland bore holes after the rock core is collected. Any excess soils resulting from the exploratory boring activities will be used as backfill to the extent feasible or spread immediately adjacent to the borings and stabilized.

Existing and historically used access roads will be used to access the soil boring locations. Where access or work areas are required within wetlands/BVW, construction mats or low ground pressure (LGP) equipment will be used. Assuming that construction mats are used, NEP is proposing cumulative temporary impacts of ~35,719-sf for access and work pads within BVW. This includes 8,702-sf of construction matting within wetlands designated as ORWs.

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 cover letter and narrative.

The Project is exempt from MESA requirements pursuant to 21 CMR 10.18 through 10.23 for performance of customary land surveying activities as well as routine operation and maintenance on existing transmission lines with adherence to National Grid’s Operation and Maintenance Plan.

Additional Best Management Practices (BMPs), including sediment and erosion controls, may be implemented to ensure the protection of the resource areas. Upon completion of the Project activities, all temporarily disturbed areas will be restored to pre-existing conditions to the maximum extent practicable.

1.1 Subject to Review Under the WPA and Lynnfield Bylaw

Soil borings at two (2) locations (Structures 93-1 and 95 on the S145E Line), are subject to review under the Lynnfield Bylaw only, as they can be considered exempt minor activities under the WPA (310 CMR 10.02(2)(b)(2)(g))¹.

Soil borings at eighteen (18) Structures are subject to review under the WPA and Lynnfield Bylaw. This includes four (4) soil borings proposed within BVW, as well as seven (7) within the 200-ft RA, and 12 within the 100-ft BZ to BVW/Inland Bank. These soil borings within the 200-ft RA and 100-ft BZ only do not qualify as exempt minor activities, as wetland crossings are required to access these locations.

It should be noted that the reason for the soil borings is to inform future maintenance and/or structure replacement activities, which are considered exempt utility maintenance activities under 310 CMR 10.02(2)(a)(2).

The Project also qualifies as a Limited Project in accordance with the WPA regulations (310 CMR 10.53(3)(d)), however, the Town of Lynnfield does not recognize the Limited Project status of the WPA.

Due to the nature and purpose of the proposed activities, there are no practicable alternatives to the Project. However, no adverse impacts to wetland resource areas or values protected by the WPA are anticipated. Impacts associated with soil borings will be temporary in nature, and will result in approximately 20-sf total disturbance.

2 EXISTING CONDITIONS

The S145E/T146E Line ROW is generally oriented northeast to southwest and is currently used for overhead electric utility transmission operations. Vegetation within the ROW is regularly maintained for compatibility with the facilities. Project activities are proposed within upland and wetland areas within the ROW predominantly consisting of scrub-shrub/herbaceous communities. Surrounding land use primarily consists of mixed forest, with few residential uses.

2.1 Resource Area Summary

BSC conducted both a Desktop Analysis (using MassGIS data layers, FEMA Firmette, and other available mapping), and wetland field delineations to confirm wetland boundaries within the Right-of-Way. Wetland delineations were conducted in July and August of 2023, in accordance with the methodology described in the MassDEP *Handbook on Delineating Bordering Vegetated Wetlands* (Published in March 1995).

Existing conditions, wetland resource areas and buffer zones in relation to the proposed activities are shown on the Environmental Resources Map in **Attachment B**. Project activities in Lynnfield are located within BVW, 100-ft BZ to BVW and 200-ft RA, as well as the locally-regulated 50-ft

¹ Activities [within the riverfront area or buffer zone only], which are temporary in nature, have negligible impacts, and are necessary for planning and design purposes, and providing that resource areas are not crossed for access.

No Build and 25-ft No Disturb Zones. Some locations are also within Surface Water Protection Zone (SWPZ). Construction matting for access is also proposed within ORW, but no soil borings are located within wetlands designated as ORW. Representative Photographs are provided in **Attachment C**.

The soil boring location at Structure 86 is within palustrine scrub/shrub wetland, with dominant species including sweet-pepperbush (*Clethra alnifolia*), highbush blueberry (*Vaccinium corymbosum*), glossy false buckthorn (*Frangula alnus*), and skunk cabbage (*Symplocarpus foetidus*).

The soil borings at Structures 84 & 83 on the T146/S145 Lines (respectively), are within palustrine scrub/shrub wetland, with dominant species including glossy false buckthorn (*Frangula alnus*), marsh straw sedge (*Carex hormathodes*), and soft rush (*Juncus effusus*).

One (1) soil boring location and a portion of the associated work envelope (Structure 87 on the T146 E Line), is also located within NHESP Priority Habitat PH 1587. No wetland crossings are required within NHESP designated Priority Habitat.

2.2 Other Resource Areas

No other resource areas were identified within or near the Project area, including: Areas of Critical Environmental Concern (ACEC), Certified Vernal Pools, or Zone II Wellhead Protection Areas.

3 PROJECT ACTIVITIES AND ANTICIPATED IMPACTS

The Project will consist of twenty (20) exploratory soil borings at the Structures listed in Table 3-1, below. The purpose of the borings is to evaluate subsurface conditions for foundation design associated with future structure replacements. Soil borings are temporary in nature, and at the conclusion of work, the area will be restored to the fullest extent practicable. Existing and historically used access roads within the ROW will serve as the primary means of access to the work areas. A small track-mounted or wheeled drill rig will be used to perform the soil borings. The boring hole will be approximately four (4) to six (6) inches in diameter. Erosion and sedimentation controls will be used, as discussed in Section 6 of this Narrative, to ensure wetland areas are protected.

Table 3-1: Geotechnical soil boring locations and associated resource areas. *NOTE – the 200-ft RA, 100-ft BZ, 50-ft No Build and 25-ft No Disturb Zones overlap in many locations.*

Line	Str #	ER Map page #	BVW	200-ft RA	100-ft BZ	50-ft No Build	25-ft No Disturb	NHESP	SWPZ	Jurisdiction
S145E	82	11		x	x	x				WPA & Bylaw
	83	10	x							WPA & Bylaw
	84	10			x	x	x			WPA & Bylaw

ATTACHMENT A – PROJECT NARRATIVE
SI45E/T146E LINE GEOTECHNICAL SOIL BORINGS PROJECT
NOTICE OF INTENT
PAGE 4 OF 8

Line	Str #	ER Map page #	BVW	200-ft RA	100-ft BZ	50-ft No Build	25-ft No Disturb	NHESP	SWPZ	Jurisdiction
	85	9			x	x	x			WPA & Bylaw
	89	8		x						WPA & Bylaw
	91	6			x	x				WPA & Bylaw
	93-1	5			x					Bylaw only
	95	4			x	x				Bylaw only
	97	3			x					WPA & Bylaw
	103	2		x					x	WPA & Bylaw
T146E	82	11		x	x	x				WPA & Bylaw
	83	11	x	x						WPA & Bylaw
	84	10	x							WPA & Bylaw
	85	10			x	x	x			WPA & Bylaw
	86	9	x							WPA & Bylaw
	87	9			x	x	x	x		WPA & Bylaw
	90	8		x						WPA & Bylaw
	92	6			x	x	x			WPA & Bylaw
	98	3			x	x			x	WPA & Bylaw
	104	2		x					x	WPA & Bylaw

Line	Str #	ER Map page #	BVW	200-ft RA	100-ft BZ	50-ft No Build	25-ft No Disturb	NHESP	SWPZ	Jurisdiction
TOTAL			4	7	12	10	5	1		

4 CONFORMANCE WITH PERFORMANCE STANDARDS OF THE WPA

4.1 Limited Project Status

Although the Project meets the criteria to be considered a Limited Project, as outlined in 310 CMR 10.53(3)(d), which allows for “*the construction, reconstruction, operation and maintenance of overhead public utilities that may, under certain circumstances, be permitted without meeting the performance standards of the WPA*”, the Project has been designed to meet all applicable performance standards for each affected resource area. Nevertheless, in accordance with general condition 310 CMR 10.53(3)(d)(2), the proposed project will implement BMPs to ensure the adjacent resource areas are adequately protected, and impacts to the surrounding area are reduced, minimized, and restored to the maximum extent practicable. Project-specific BMPs are further discussed in Section 6.

4.2 Bordering Vegetated Wetlands

The proposed activities meet the performance standards of the WPA at 310 CMR 10.55(4). Due to the nature and purpose of the proposed activities, there are no practicable alternatives to the Project. However, no significant adverse impacts on wetland resource areas or values protected by the WPA are anticipated. BMPs will be implemented to protect resource areas, and following the completion of work the areas will be restored the pre-existing conditions, as required for Limited Projects by the WPA regulations (310 CMR 10.53(3)(d)).

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

The proposed project activities are temporary in nature, and will result in negligible impacts to BVW. Impacts are limited to the disturbance of approximately 4-sf of soil (during soil boring activities), and the use of ~35,719-sf of temporary construction matting for access and work areas in BVW. BMPs, including the use of construction matting and sediment and erosion controls, will be used to ensure the protection of the resource areas.

- (b) *Notwithstanding the provisions of 310 CMR 10.55(4)(a), the issuing authority may issue an Order of Conditions permitting work which results in the loss of up to 5000 square feet of Bordering Vegetated Wetland when said area is replaced in accordance with the following general conditions and any additional, specific conditions the issuing authority deems necessary to ensure that the replacement area will function in a manner similar to the area that will be lost.*

N/A – no loss of BVW is proposed. All project activities are temporary in nature, with negligible impacts.

- (c) *Notwithstanding the provisions of 310 CMR 10.55(4)(a), the issuing authority may issue an Order of Conditions permitting work which results in the loss of a portion of Bordering Vegetated Wetland when;*
1. *said portion has a surface area less than 500 square feet;*
 2. *said portion extends in a distinct linear configuration ("finger-like") into adjacent uplands; and*
 3. *in the judgment of the issuing authority it is not reasonable to scale down, redesign or otherwise change the proposed work so that it could be completed without loss of said wetland.*

N/A – no loss of BVW is proposed. All project activities are temporary in nature, with negligible impacts.

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

Activities within mapped NHESP rare species habitat will be limited to one (1) soil boring location, and a small portion of the associated work envelope, at Structure 87 on the T146E Line. No permanent impacts are proposed, and disturbance will be minimal.

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

N/A – no activities are proposed within ACEC.

4.1 200-foot Riverfront Area

Project activities within the 200-ft RA are limited to seven (7) soil borings, resulting in ~7-sf of temporary disturbance. The following outlines the Project’s compliance with the RA performance standards:

310 CMR 10.58(4)(a) – “Protection of Other Resource Areas. The work shall meet the performance standards for all other resource areas within the riverfront area...”

One soil boring location within RA is also within BVW (Structure 83 on the T146E Line). Work at this location will comply with the performance standards for both resource areas, and BMPs including construction matting and sediment and erosion controls will be used to protect resource areas.

310 CMR 10.58(4)(b) – “Protection of Rare Species. No project may be permitted within the riverfront area which will have any adverse effect on specified habitat sites of rare wetland or upland, vertebrate or invertebrate species, as identified by the procedures established under 310 CMR 10.59 or 10.37, or which will have any adverse effect on vernal pool habitat certified prior to the filing of the Notice of Intent”

N/A – no portion of RA within the project site overlaps with NHESP designated rare species habitat. One soil boring location outside of RA is within NHESP habitat, and measures will be taken to avoid and minimize disturbance in this area.

310 CMR 10.58(4)(c) – “Practicable and Substantially Equivalent Economic Alternatives. There must be no practicable and substantially equivalent economic alternative to the

proposed project with less adverse effects on the interests identified in M.G.L. c. 131 § 40”.

Due to the nature and purpose of the proposed activities, there are no practicable alternatives to the Project. Soil borings are proposed at the location of existing utility structures and are necessary to inform future maintenance and replacement of these structures.

5 CONFORMANCE WITH THE LYNNFIELD WETLAND PROTECTION REGULATIONS & REQUEST FOR VARIANCE

In accordance with §320-3 of the Lynnfield Wetland Regulations, NEP is requesting a variance from the requirements for the 50-ft No Build and 25-ft No Disturbance Zone. Fifteen (15) soil borings are proposed within these locally-regulated buffer zones, adjacent to existing utility structures in areas of previously disturbed ROW. Given the purpose of the Project (to perform geotechnical soil borings at existing structure locations to inform future replacement foundation design), it is not possible to conduct these activities in alternative locations. Soil boring activities will result in *de minimis* temporary impacts to these resource areas, and once complete, the area will be stabilized and restored to pre-existing conditions.

6 PROPOSED MITIGATION TECHNIQUES

NEP has established procedures that are to be followed by all employees and contractors for accessing sites and performing construction activities on ROWs. These procedures ensure that NEP’s projects are completed in accordance with all applicable environmental laws and regulations as well as with NEP policies and compliance objectives. NEP has an Environmental Department with full-time staff responsible to ensure company procedures are implemented in the field. The following sections include a summary of BMPs that will be implemented for this Project. See **Attachment D** for an excerpt of National Grid’s Environmental Guidance Document, Access, Maintenance and Construction Best Management Practices.

6.1 Sediment and Erosion Controls

Erosion and sediment control measures may 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 delineate work areas and contain 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 D** for erosion and sediment control details.

6.2 Construction Access

Existing and historically used access routes (when present within the ROW), will be utilized to the greatest extent practicable, as shown on the Geotechnical Soils Borings Plan in **Attachment B**. Temporary construction mats will be used to provide access across wetlands. Construction mats are a typical BMP used by NEP to protect wetland soils, root systems/seed banks, and existing vegetation. Where possible, construction mats will be placed on top of existing vegetation, and will be removed upon completion of work. Some trimming of woody vegetation may be required for the placement of mats in scrub/shrub wetlands.

6.3 Restoration of Disturbed Areas

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

Erosion and sediment control devices will be removed following stabilization of disturbed areas. Temporary construction mats will be removed following the work. In addition, construction debris and non-biodegradable controls will be removed from the site during restoration.

7 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;
- Result in only minor and temporary impacts to BVW, 200-ft RA and 100-ft BZ;
- Utilize appropriate BMPs to protect wetland resource areas from sedimentation and soil disturbance during boring activities; and
- Qualify as a Limited Project under the WPA provisions for public utilities [310 CMR10.53(3)(d)].

Therefore, NEP requests the Lynnfield Conservation Commission find this proposal adequately protective of the public interests identified in the WPA and the Lynnfield Wetland Protection Bylaw and issue an Order of Conditions for the Project as described herein.

Attachment B

S145E/T146E Line Geotechnical Soil Borings Project
Lynnfield, Massachusetts
Notice of Intent

USGS SITE LOCUS MAP
ENVIRONMENTAL RESOURCES MAPS

71°2'0"W 71°1'0"W 71°0'0"W 70°59'0"W



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

0 1,000 2,000

Feet

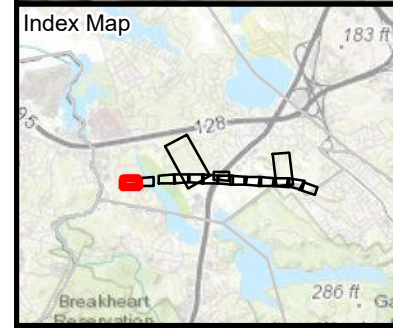
(Page Size 8.5 x 11)

S145E/T146E LINES GEOTECHNICAL SOIL BORING PROJECT
USGS Site Location Map
Lynnfield, MA

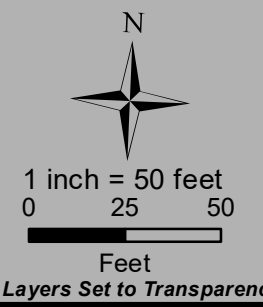
Source: Copyright:©
2013 National
Geographic Society, i-
cubed



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; Hydrography; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; 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			
Proposed Soil Boring	Field Delineated Stream*	50ft No-Build Zone	NHESP Priority Habitats
Existing Structure	Field Delineated Wetland Line	100ft No-Build Zone to Vernal Pools	Town Boundary
Existing Overhead Line	Field Delineated Wetland*	100ft Buffer to Wetlands & Streams	Approx. Gas Pipeline
Approx. Edge of ROW	Field Delineated Vernal Pool Habitat*	200ft Riverfront Area	3 m Contours
Existing Access	Perennial Stream	FEMA 100yr Floodplain*	
Off-ROW Access	MADEP Hydrologic Connections	Outstanding Resource Water	
Temporary Wetland Matting	MADEP Open Water*	Surface Water Protection Zone	
Work Envelope*	MADEP Wetlands*	Potential Vernal Pools	
Field Delineated Stream	25ft No-Disturb Zone	Certified Vernal Pools	



**S145E/T146E LINES GEOTECHNICAL
 SOIL BORING PROJECT**

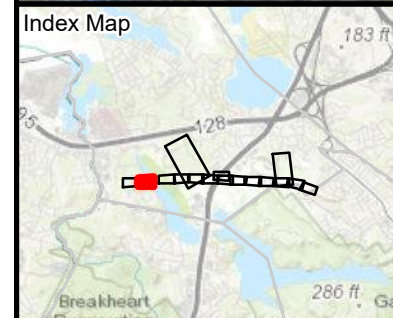
Environmental Resources Map

Lynnfield, MA
 Page 1 of 13

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

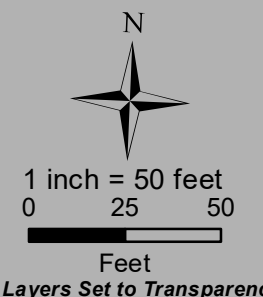


Resource Areas Reviewed:
 MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; Certified Vernal Pools; Potential Vernal Pools; NHESP Priority Habitats; NHESP Estimated Habitats; NHESP Restricted Data; Hydrography; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; 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)



<ul style="list-style-type: none"> Proposed Soil Boring Existing Structure Existing Overhead Line Approx. Edge of ROW Existing Access Off-ROW Access Temporary Wetland Matting Work Envelope* Field Delineated Stream 	<ul style="list-style-type: none"> Field Delineated Stream* Field Delineated Wetland Line Field Delineated Wetland* Field Delineated Vernal Pool Habitat* Perennial Stream MADEP Hydrologic Connections MADEP Open Water* MADEP Wetlands* 25ft No-Disturb Zone 	<ul style="list-style-type: none"> 50ft No-Build Zone 100ft No-Build Zone to Vernal Pools 100ft Buffer to Wetlands & Streams 200ft Riverfront Area FEMA 100yr Floodplain* Outstanding Resource Water Surface Water Protection Zone Potential Vernal Pools Certified Vernal Pools 	<ul style="list-style-type: none"> NHESP Priority Habitats Town Boundary Approx. Gas Pipeline 3 m Contours 	<ul style="list-style-type: none"> Article 97 Lands Municipal
---	--	--	--	---

*Indicates Layers Set to Transparency



**S145E/T146E LINES GEOTECHNICAL
 SOIL BORING PROJECT**

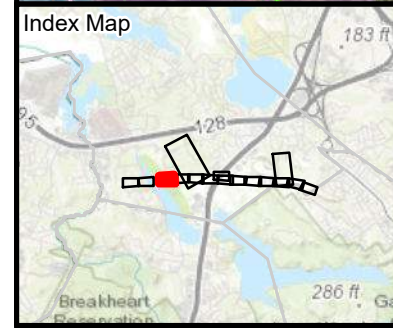
Environmental Resources Map

Lynnfield, MA
 Page 2 of 13

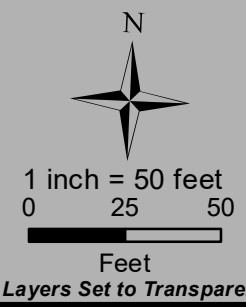
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



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; Hydrography; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; 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)



<ul style="list-style-type: none"> Proposed Soil Boring Existing Structure Existing Overhead Line Approx. Edge of ROW Existing Access Off-ROW Access Temporary Wetland Matting Work Envelope* Field Delineated Stream 	<ul style="list-style-type: none"> Field Delineated Stream* Field Delineated Wetland Line Field Delineated Wetland* Field Delineated Vernal Pool Habitat* Perennial Stream MADEP Hydrologic Connections MADEP Open Water* MADEP Wetlands* 25ft No-Disturb Zone 	<ul style="list-style-type: none"> 50ft No-Build Zone 100ft No-Build Zone to Vernal Pools 100ft Buffer to Wetlands & Streams 200ft Riverfront Area FEMA 100yr Floodplain* Outstanding Resource Water Surface Water Protection Zone Potential Vernal Pools Certified Vernal Pools 	<ul style="list-style-type: none"> NHESP Priority Habitats Town Boundary Approx. Gas Pipeline 3 m Contours Article 97 Lands Municipal
---	--	--	---



S145E/T146E LINES GEOTECHNICAL SOIL BORING PROJECT

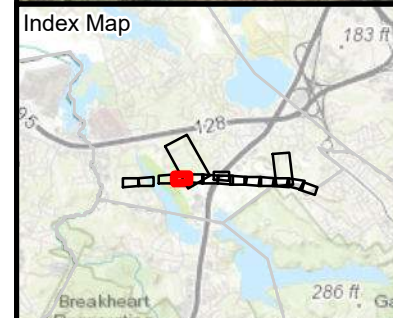
Environmental Resources Map

Lynnfield, MA
Page 3 of 13

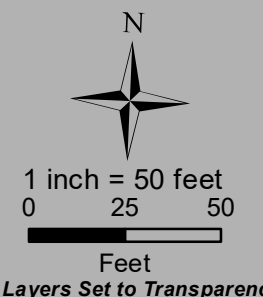
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



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; Hydrography; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; 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	
	Proposed Soil Boring
	Existing Structure
	Existing Overhead Line
	Approx. Edge of ROW
	Existing Access
	Off-ROW Access
	Temporary Wetland Matting
	Work Envelope*
	Field Delineated Stream*
	Field Delineated Wetland Line
	Field Delineated Wetland*
	Field Delineated Vernal Pool Habitat*
	Perennial Stream
	MADEP Hydrologic Connections
	MADEP Open Water*
	MADEP Wetlands*
	25ft No-Disturb Zone
	50ft No-Build Zone
	100ft No-Build Zone to Vernal Pools
	100ft Buffer to Wetlands & Streams
	200ft Riverfront Area
	FEMA 100yr Floodplain*
	Outstanding Resource Water
	Surface Water Protection Zone
	Potential Vernal Pools
	Certified Vernal Pools
	NHESP Priority Habitats
	Town Boundary
	Approx. Gas Pipeline
	3 m Contours

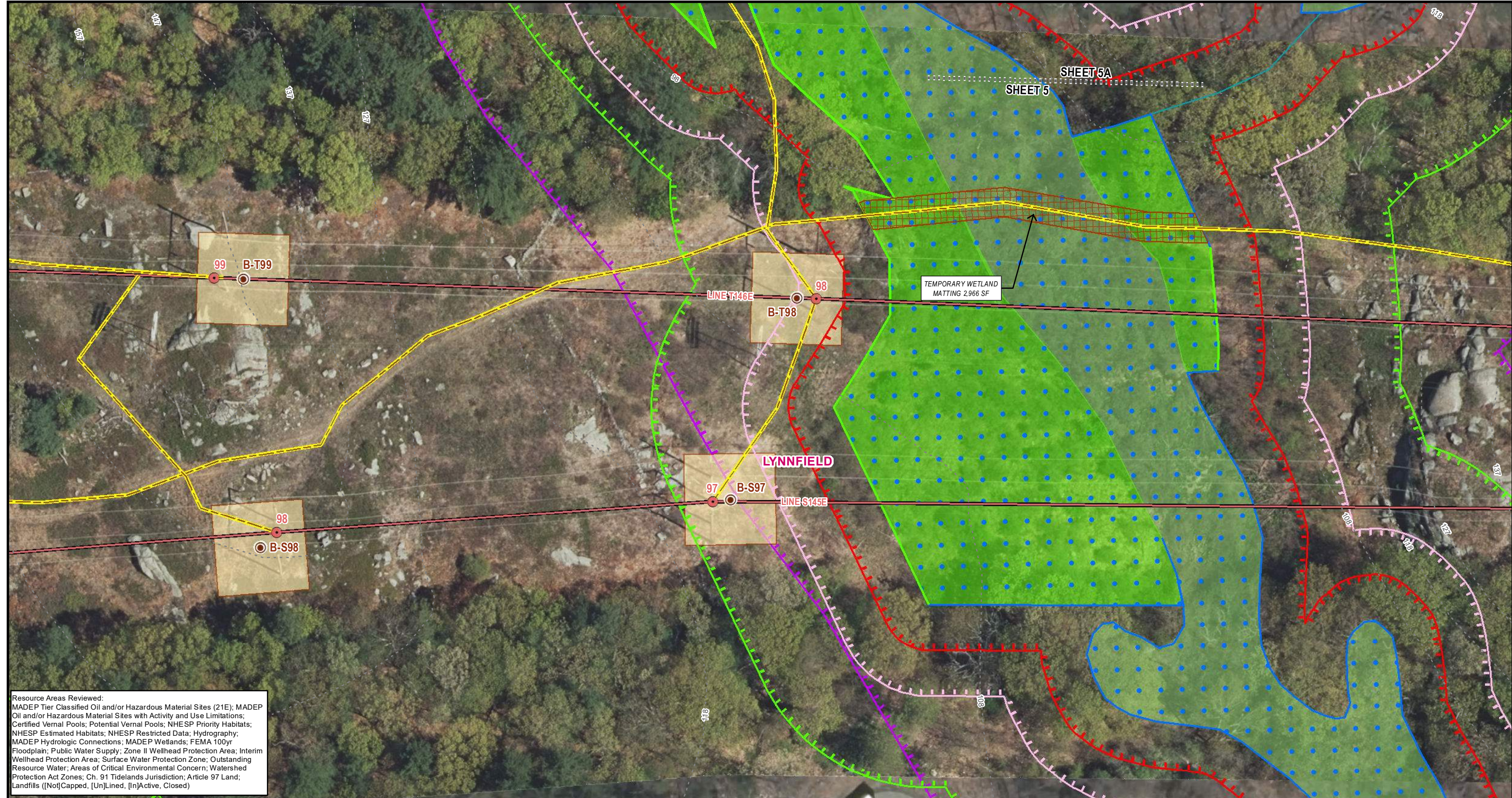


S145E/T146E LINES GEOTECHNICAL SOIL BORING PROJECT

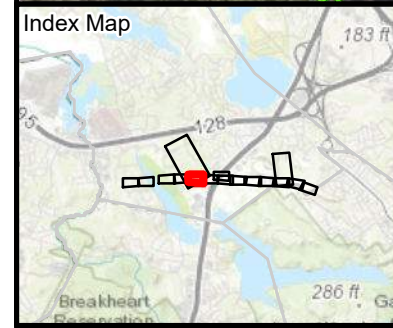
Environmental Resources Map

Lynnfield, MA
 Page 4 of 13

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; Hydrography; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; 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)



<ul style="list-style-type: none"> Proposed Soil Boring Existing Structure Existing Overhead Line Approx. Edge of ROW Existing Access Off-ROW Access Temporary Wetland Matting Work Envelope* Field Delineated Stream 	<ul style="list-style-type: none"> Field Delineated Stream* Field Delineated Wetland Line Field Delineated Wetland* Field Delineated Vernal Pool Habitat* Perennial Stream MADEP Hydrologic Connections MADEP Open Water* MADEP Wetlands* 25ft No-Disturb Zone 	<ul style="list-style-type: none"> 50ft No-Build Zone 100ft No-Build Zone to Vernal Pools 100ft Buffer to Wetlands & Streams 200ft Riverfront Area FEMA 100yr Floodplain* Outstanding Resource Water Surface Water Protection Zone Potential Vernal Pools Certified Vernal Pools 	<ul style="list-style-type: none"> NHESP Priority Habitats Town Boundary Approx. Gas Pipeline 3 m Contours
---	--	--	--

1 inch = 50 feet
 0 25 50
 Feet
**Indicates Layers Set to Transparency*

S145E/T146E LINES GEOTECHNICAL SOIL BORING PROJECT

Environmental Resources Map

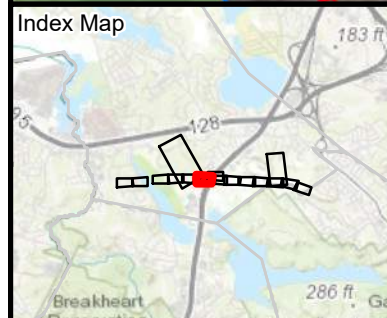
Lynnfield, MA
 Page 5 of 13

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

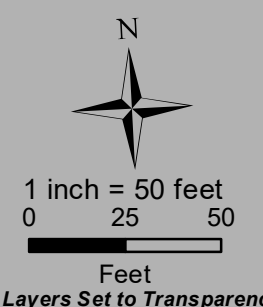




Resource Areas Reviewed:
 MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; Certified Vernal Pools; Potential Vernal Pools; NHESP Priority Habitats; NHESP Estimated Habitats; NHESP Restricted Data; Hydrography; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; 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	
Proposed Soil Boring	Field Delineated Stream*
Existing Structure	Field Delineated Wetland Line
Existing Overhead Line	Field Delineated Wetland*
Approx. Edge of ROW	Field Delineated Vernal Pool Habitat*
Existing Access	Estimated Wetland
Off-ROW Access	Perennial Stream
Temporary Wetland Matting	MADEP Hydrologic Connections
Work Envelope*	MADEP Open Water*
Field Delineated Stream	MADEP Wetlands*
25ft No-Disturb Zone	Certified Vernal Pools
50ft No-Build Zone	NHESP Priority Habitats
100ft No-Build Zone to Vernal Pools	Town Boundary
100ft Buffer to Wetlands & Streams	Approx. Gas Pipeline
200ft Riverfront Area	3 m Contours
FEMA 100yr Floodplain*	Article 97 Lands
Outstanding Resource Water	Municipal
Surface Water Protection Zone	
Potential Vernal Pools	

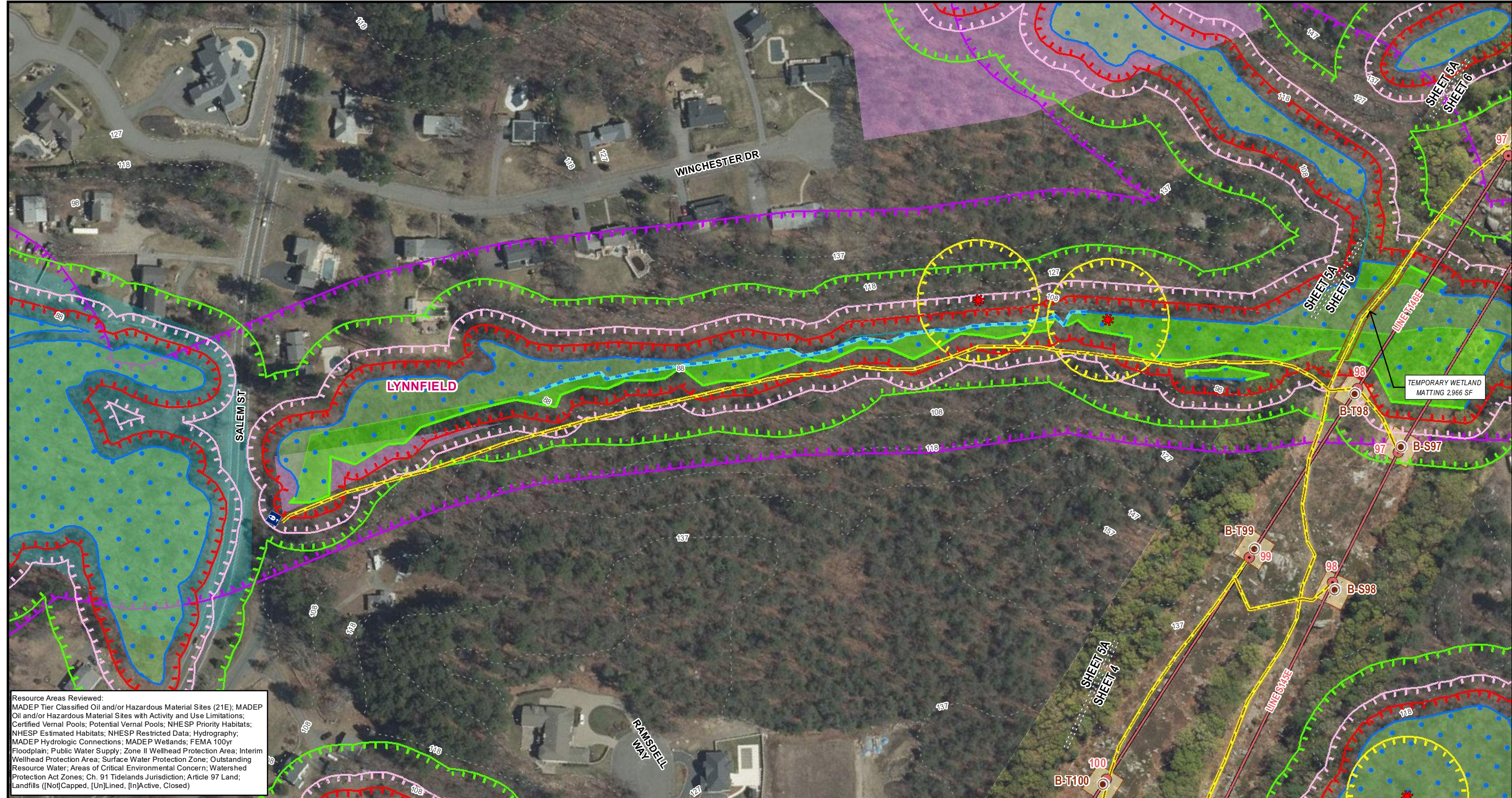


S145E/T146E LINES GEOTECHNICAL SOIL BORING PROJECT
Environmental Resources Map

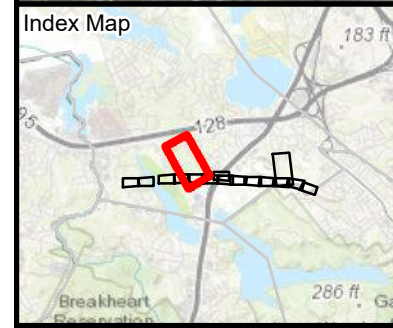
Lynnfield, MA
 Page 6 of 13

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; Hydrography; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; 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)



<ul style="list-style-type: none"> Proposed Soil Boring Existing Structure Existing Overhead Line Approx. Edge of ROW Existing Access Off-ROW Access Temporary Wetland Matting Work Envelope* Field Delineated Stream 	<ul style="list-style-type: none"> Field Delineated Stream* Field Delineated Wetland Line Field Delineated Wetland* Field Delineated Vernal Pool Habitat* Perennial Stream MADEP Hydrologic Connections MADEP Open Water* MADEP Wetlands* 25ft No-Disturb Zone 	<ul style="list-style-type: none"> 50ft No-Build Zone 100ft No-Build Zone to Vernal Pools 100ft Buffer to Wetlands & Streams 200ft Riverfront Area FEMA 100yr Floodplain* Outstanding Resource Water Surface Water Protection Zone Potential Vernal Pools Certified Vernal Pools 	<ul style="list-style-type: none"> NHESP Priority Habitats Town Boundary Approx. Gas Pipeline 3m Contours 	<ul style="list-style-type: none"> Article 97 Lands Municipal
---	--	--	---	---

1 inch = 150 feet
 0 75 150
 Feet
 *Indicates Layers Set to Transparency

S145E/T146E LINES GEOTECHNICAL SOIL BORING PROJECT

Environmental Resources Map

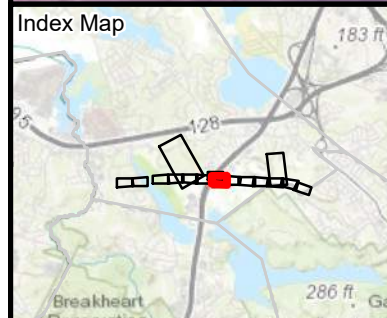
Lynnfield, MA
 Page 5A of 13

Source: 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

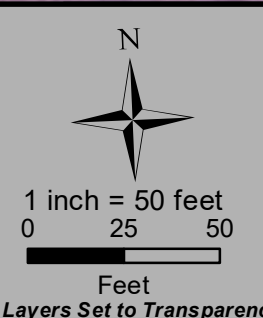




Resource Areas Reviewed:
 MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; Certified Vernal Pools; Potential Vernal Pools; NHESP Priority Habitats; NHESP Estimated Habitats; NHESP Restricted Data; Hydrography; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; 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	
Proposed Soil Boring	Field Delineated Stream*
Existing Structure	Field Delineated Wetland Line
Existing Overhead Line	Field Delineated Wetland*
Approx. Edge of ROW	Field Delineated Vernal Pool Habitat*
Existing Access	Estimated Wetland
Off-ROW Access	Perennial Stream
Temporary Wetland Matting	MADEP Hydrologic Connections
Work Envelope*	MADEP Open Water*
Field Delineated Stream	MADEP Wetlands*
25ft No-Disturb Zone	Certified Vernal Pools
50ft No-Build Zone	NHESP Priority Habitats
100ft No-Build Zone to Vernal Pools	Town Boundary
100ft Buffer to Wetlands & Streams	Approx. Gas Pipeline
200ft Riverfront Area	3 m Contours
FEMA 100yr Floodplain*	Article 97 Lands
Outstanding Resource Water	Municipal
Surface Water Protection Zone	
Potential Vernal Pools	



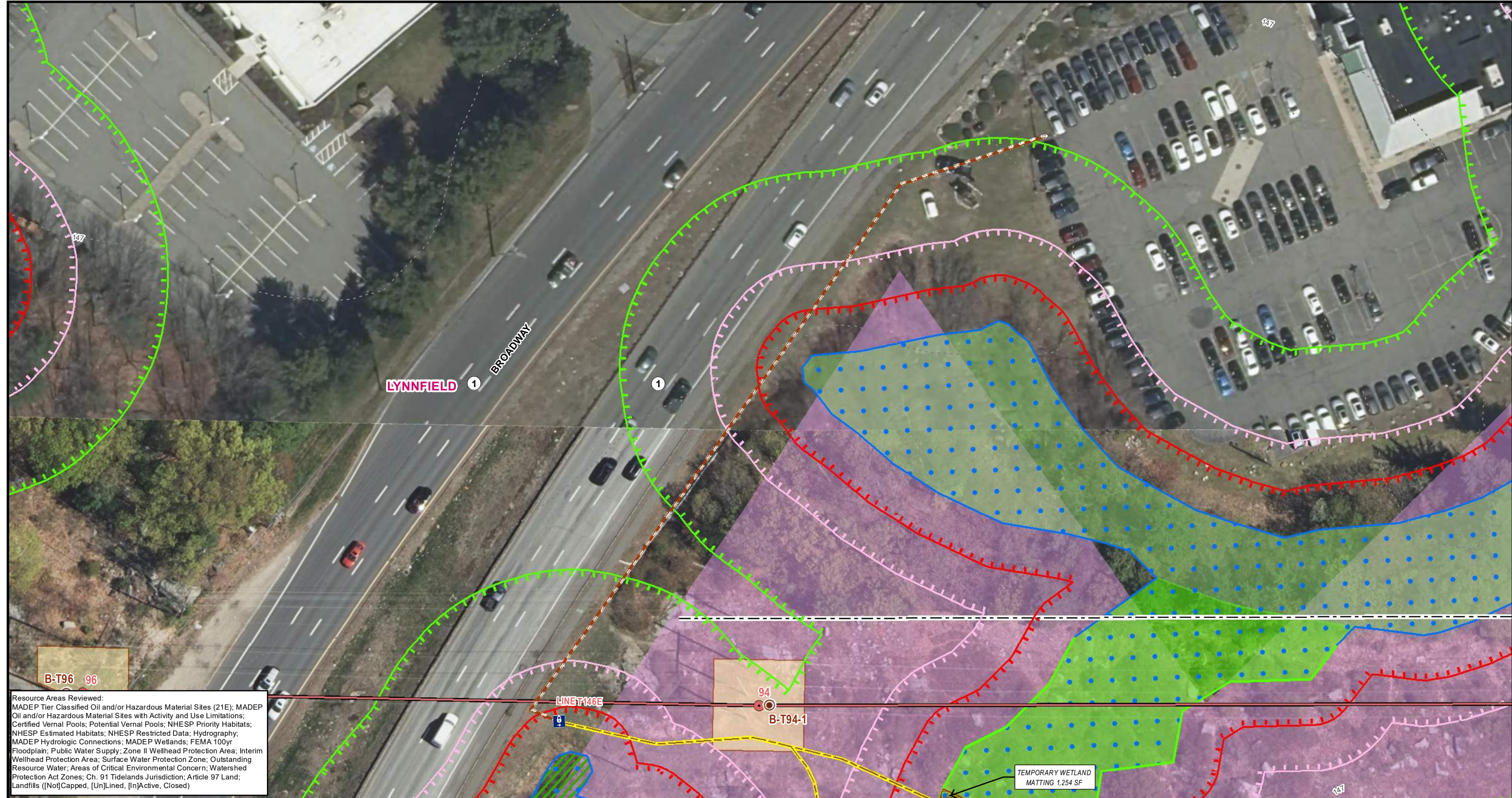
S145E/T146E LINES GEOTECHNICAL SOIL BORING PROJECT

Environmental Resources Map

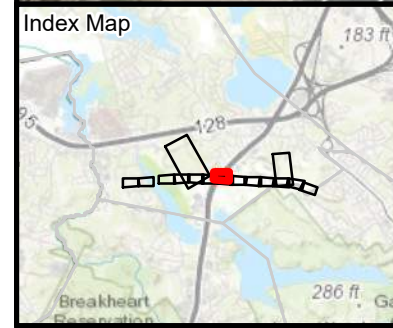
Lynnfield, MA
 Page 7 of 13

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

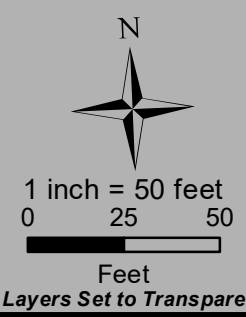




Resource Areas Reviewed:
 MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; Certified Vernal Pools; Potential Vernal Pools; NHESP Priority Habitats; NHESP Estimated Habitats; NHESP Restricted Data; Hydrography; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; 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	
Proposed Soil Boring	Field Delineated Stream*
Existing Structure	Field Delineated Wetland Line
Existing Overhead Line	Field Delineated Wetland*
Approx. Edge of ROW	Field Delineated Vernal Pool Habitat*
Existing Access	Estimated Wetland
Off-ROW Access	Perennial Stream
Temporary Wetland Matting	MADEP Hydrologic Connections
Work Envelope*	MADEP Open Water*
Field Delineated Stream	MADEP Wetlands*
25ft No-Disturb Zone	Certified Vernal Pools
50ft No-Build Zone	NHESP Priority Habitats
100ft No-Build Zone to Vernal Pools	Town Boundary
100ft Buffer to Wetlands & Streams	Approx. Gas Pipeline
200ft Riverfront Area	3 m Contours
FEMA 100yr Floodplain*	Article 97 Lands
Outstanding Resource Water	Municipal
Surface Water Protection Zone	
Potential Vernal Pools	



S145E/T146E LINES GEOTECHNICAL SOIL BORING PROJECT

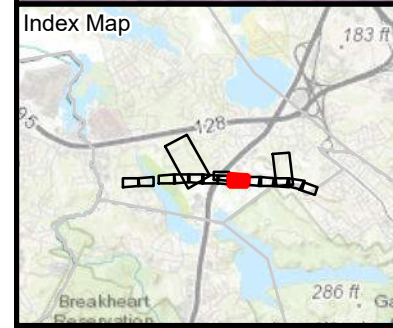
Environmental Resources Map

Lynnfield, MA
Page 7A of 13

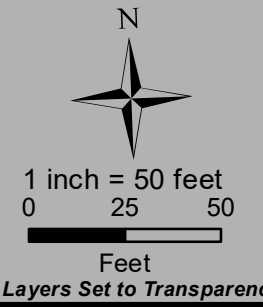
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



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; Hydrography; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; 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	
	Proposed Soil Boring
	Existing Structure
	Existing Overhead Line
	Approx. Edge of ROW
	Existing Access
	Off-ROW Access
	Temporary Wetland Matting
	Work Envelope*
	Field Delineated Stream
	Field Delineated Stream*
	Field Delineated Wetland Line
	Field Delineated Wetland*
	Field Delineated Vernal Pool Habitat*
	Perennial Stream
	MADEP Hydrologic Connections
	MADEP Open Water*
	MADEP Wetlands*
	25ft No-Disturb Zone
	50ft No-Build Zone
	100ft No-Build Zone to Vernal Pools
	100ft Buffer to Wetlands & Streams
	200ft Riverfront Area
	FEMA 100yr Floodplain*
	Outstanding Resource Water
	Surface Water Protection Zone
	Potential Vernal Pools
	Certified Vernal Pools
	NHESP Priority Habitats
	Town Boundary
	Approx. Gas Pipeline
	3 m Contours
	Article 97 Lands
	Municipal

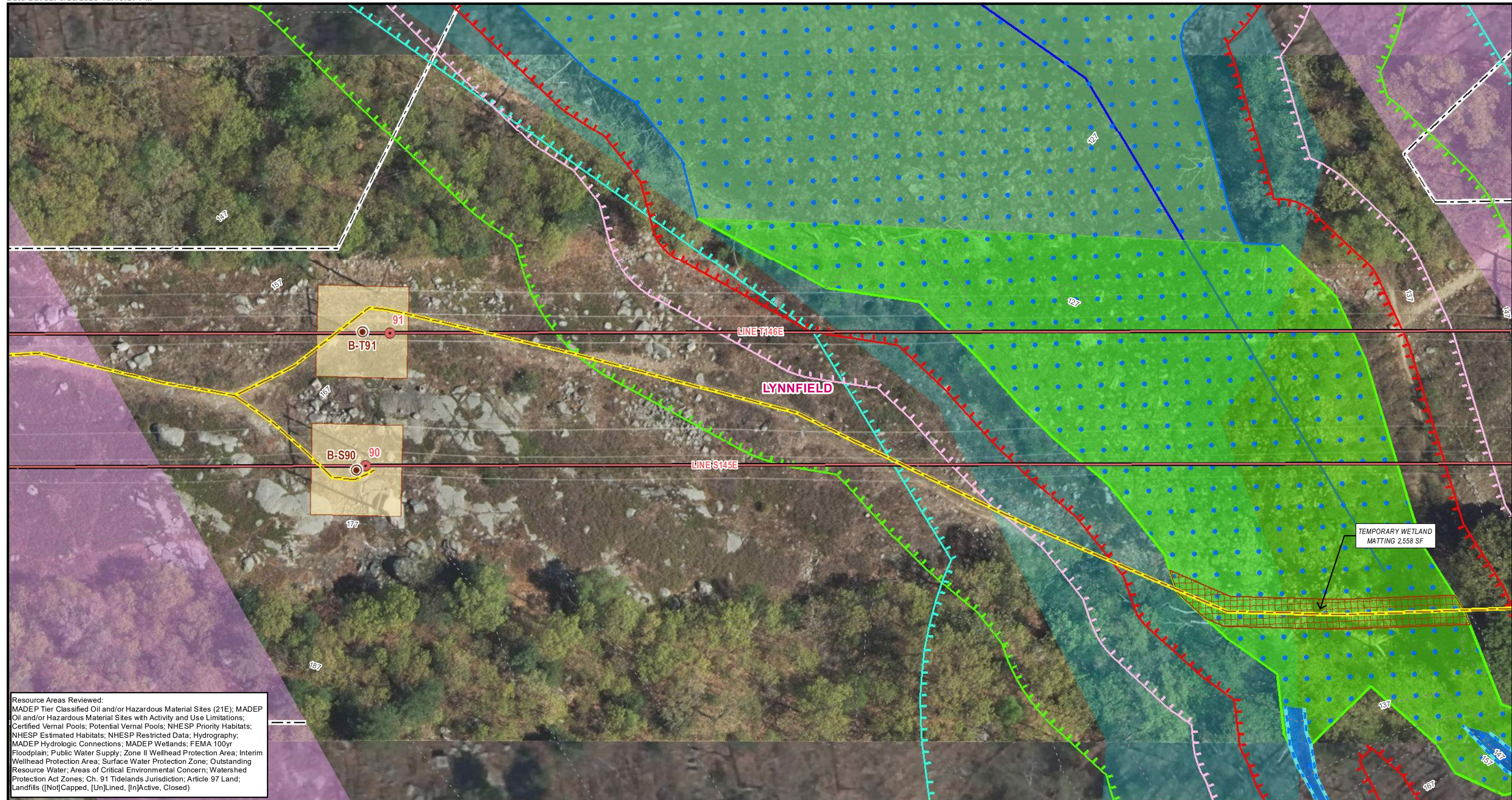


**S145E/T146E LINES GEOTECHNICAL
 SOIL BORING PROJECT**

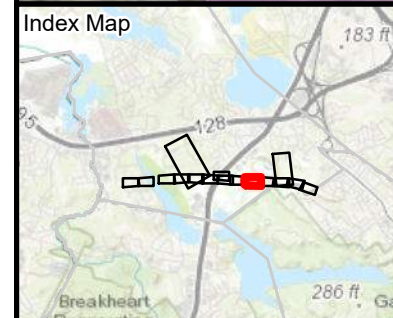
Environmental Resources Map

Lynnfield, MA
 Page 8 of 13

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; Hydrography; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; 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)



<ul style="list-style-type: none"> Proposed Soil Boring Existing Structure Existing Overhead Line Approx. Edge of ROW Existing Access Off-ROW Access Temporary Wetland Matting Work Envelope* Field Delineated Stream 	<ul style="list-style-type: none"> Field Delineated Stream* Field Delineated Wetland Line Field Delineated Wetland* Field Delineated Vernal Pool Habitat* Perennial Stream MADEP Hydrologic Connections MADEP Open Water* MADEP Wetlands* 25ft No-Disturb Zone 	<ul style="list-style-type: none"> 50ft No-Build Zone 100ft No-Build Zone to Vernal Pools 100ft Buffer to Wetlands & Streams 200ft Riverfront Area FEMA 100yr Floodplain* Outstanding Resource Water Surface Water Protection Zone Potential Vernal Pools Certified Vernal Pools 	<ul style="list-style-type: none"> NHESP Priority Habitats Town Boundary Approx. Gas Pipeline 3 m Contours 	<ul style="list-style-type: none"> Article 97 Lands Municipal
---	--	--	--	---

1 inch = 50 feet
 0 25 50
 Feet
**Indicates Layers Set to Transparency*

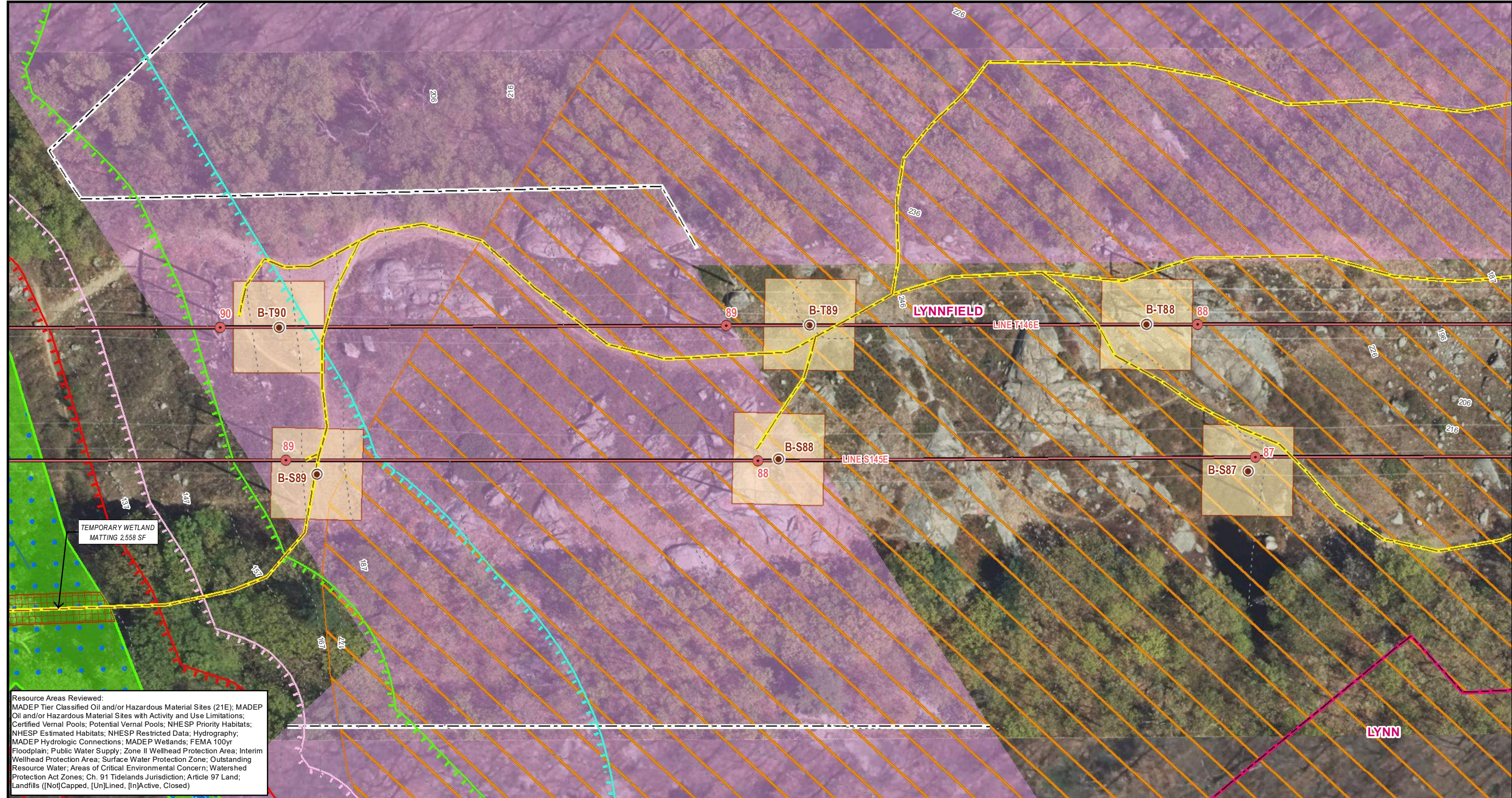
S145E/T146E LINES GEOTECHNICAL SOIL BORING PROJECT

Environmental Resources Map

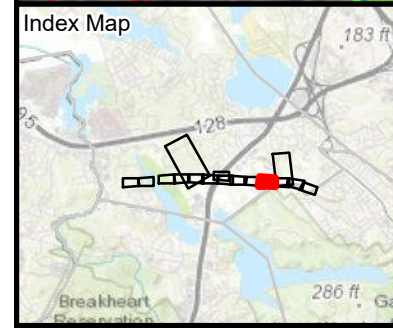
Lynnfield, MA
 Page 9 of 13

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

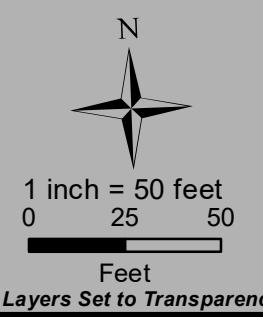




Resource Areas Reviewed:
 MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; Certified Vernal Pools; Potential Vernal Pools; NHESP Priority Habitats; NHESP Estimated Habitats; NHESP Restricted Data; Hydrography; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; 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	
	Proposed Soil Boring
	Existing Structure
	Existing Overhead Line
	Approx. Edge of ROW
	Existing Access
	Off-ROW Access
	Temporary Wetland Matting
	Work Envelope*
	Field Delineated Stream
	Field Delineated Wetland Line
	Field Delineated Wetland*
	Field Delineated Vernal Pool Habitat*
	Perennial Stream
	MADEP Hydrologic Connections
	MADEP Open Water*
	MADEP Wetlands*
	25ft No-Disturb Zone
	50ft No-Build Zone
	100ft No-Build Zone to Vernal Pools
	100ft Buffer to Wetlands & Streams
	200ft Riverfront Area
	FEMA 100yr Floodplain*
	Outstanding Resource Water
	Surface Water Protection Zone
	Potential Vernal Pools
	Certified Vernal Pools
	NHESP Priority Habitats
	Town Boundary
	Approx. Gas Pipeline
	3 m Contours
	Article 97 Lands
	Municipal



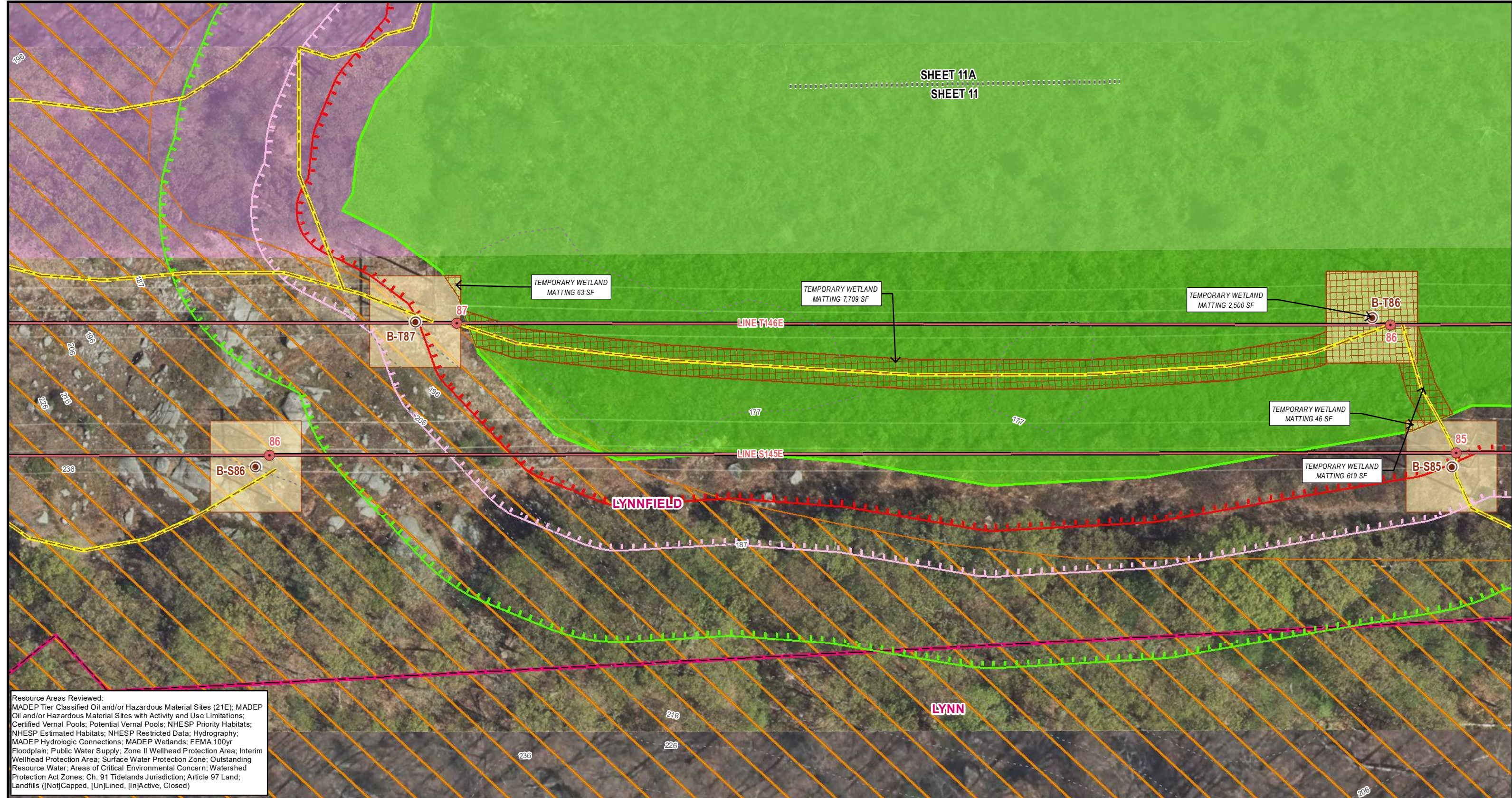
S145E/T146E LINES GEOTECHNICAL SOIL BORING PROJECT

Environmental Resources Map

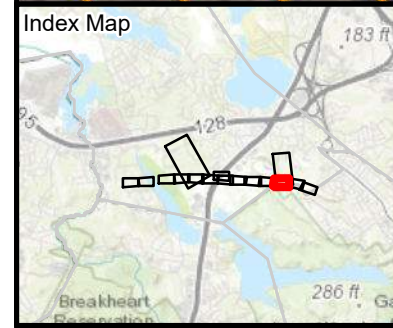
Lynnfield, MA
 Page 10 of 13

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; Hydrography; MADEP Hydrologic Connections; MADEP Wetlands; FEMA 100yr Floodplain; 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	
	Proposed Soil Boring
	Existing Structure
	Existing Overhead Line
	Approx. Edge of ROW
	Existing Access
	Off-ROW Access
	Temporary Wetland Matting
	Work Envelope*
	Field Delineated Stream*
	Field Delineated Wetland Line
	Field Delineated Wetland*
	Field Delineated Vernal Pool Habitat*
	Perennial Stream
	MADEP Hydrologic Connections
	MADEP Open Water*
	MADEP Wetlands*
	25ft No-Disturb Zone
	50ft No-Build Zone
	100ft No-Build Zone to Vernal Pools
	100ft Buffer to Wetlands & Streams
	200ft Riverfront Area
	FEMA 100yr Floodplain*
	Outstanding Resource Water
	Surface Water Protection Zone
	Potential Vernal Pools
	Certified Vernal Pools
	NHESP Priority Habitats
	Town Boundary
	Approx. Gas Pipeline
	3 m Contours
	Article 97 Lands
	Municipal

1 inch = 50 feet
 0 25 50
 Feet
 *Indicates Layers Set to Transparency

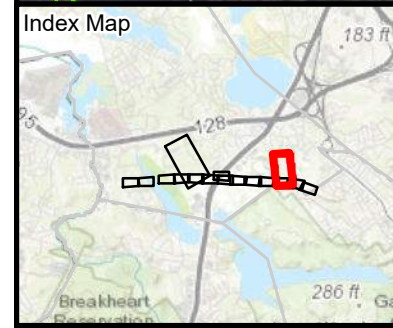
S145E/T146E LINES GEOTECHNICAL SOIL BORING PROJECT

Environmental Resources Map

Lynnfield, MA
 Page 11 of 13

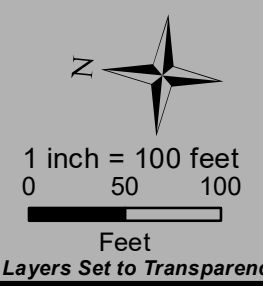
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





<ul style="list-style-type: none"> Proposed Soil Boring Existing Structure Existing Overhead Line Approx. Edge of ROW Existing Access Off-ROW Access Temporary Wetland Matting Work Envelope* Field Delineated Stream 	<ul style="list-style-type: none"> Field Delineated Stream* Field Delineated Wetland Line Field Delineated Wetland* Field Delineated Vernal Pool Habitat* Perennial Stream MADEP Hydrologic Connections MADEP Open Water* MADEP Wetlands* 25ft No-Disturb Zone 	<ul style="list-style-type: none"> 50ft No-Build Zone 100ft No-Build Zone to Vernal Pools 100ft Buffer to Wetlands & Streams 200ft Riverfront Area FEMA 100yr Floodplain* Outstanding Resource Water Surface Water Protection Zone Potential Vernal Pools Certified Vernal Pools 	<ul style="list-style-type: none"> NHESP Priority Habitats Town Boundary Approx. Gas Pipeline 3 m Contours Article 97 Lands Municipal
---	--	--	---

*Indicates Layers Set to Transparency

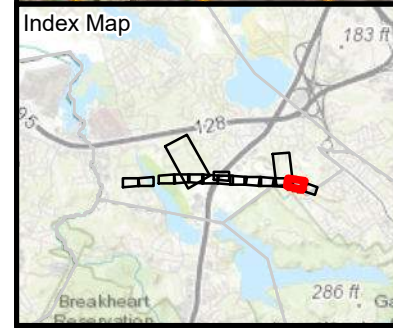
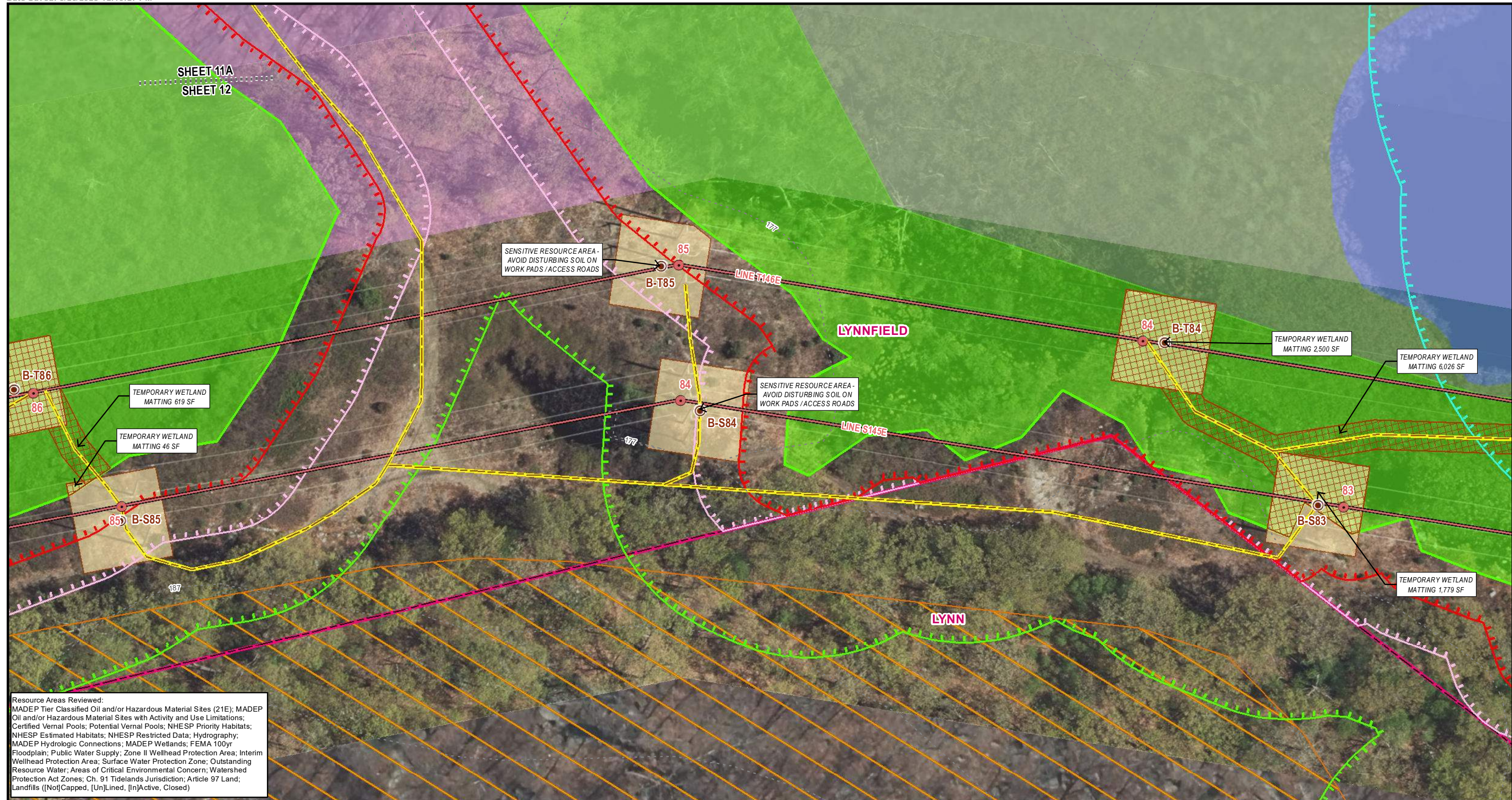


S145E/T146E LINES GEOTECHNICAL SOIL BORING PROJECT

Environmental Resources Map

Lynnfield, MA
Page 11A of 13

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



<ul style="list-style-type: none"> Proposed Soil Boring Existing Structure Existing Overhead Line Approx. Edge of ROW Existing Access Off-ROW Access Temporary Wetland Matting Work Envelope* Field Delineated Stream 	<ul style="list-style-type: none"> Field Delineated Stream* Field Delineated Wetland Line Field Delineated Wetland* Field Delineated Vernal Pool Habitat* Perennial Stream MADEP Hydrologic Connections MADEP Open Water* MADEP Wetlands* 25ft No-Disturb Zone 	<ul style="list-style-type: none"> 50ft No-Build Zone 100ft No-Build Zone to Vernal Pools 100ft Buffer to Wetlands & Streams 200ft Riverfront Area FEMA 100yr Floodplain* Outstanding Resource Water Surface Water Protection Zone Potential Vernal Pools Certified Vernal Pools 	<ul style="list-style-type: none"> NHESP Priority Habitats Town Boundary Approx. Gas Pipeline 3 m Contours Article 97 Lands Municipal
---	--	--	---

1 inch = 50 feet
 0 25 50
 Feet
 *Indicates Layers Set to Transparency

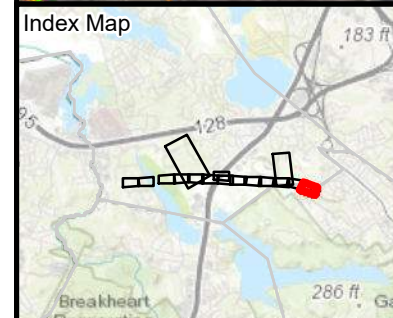
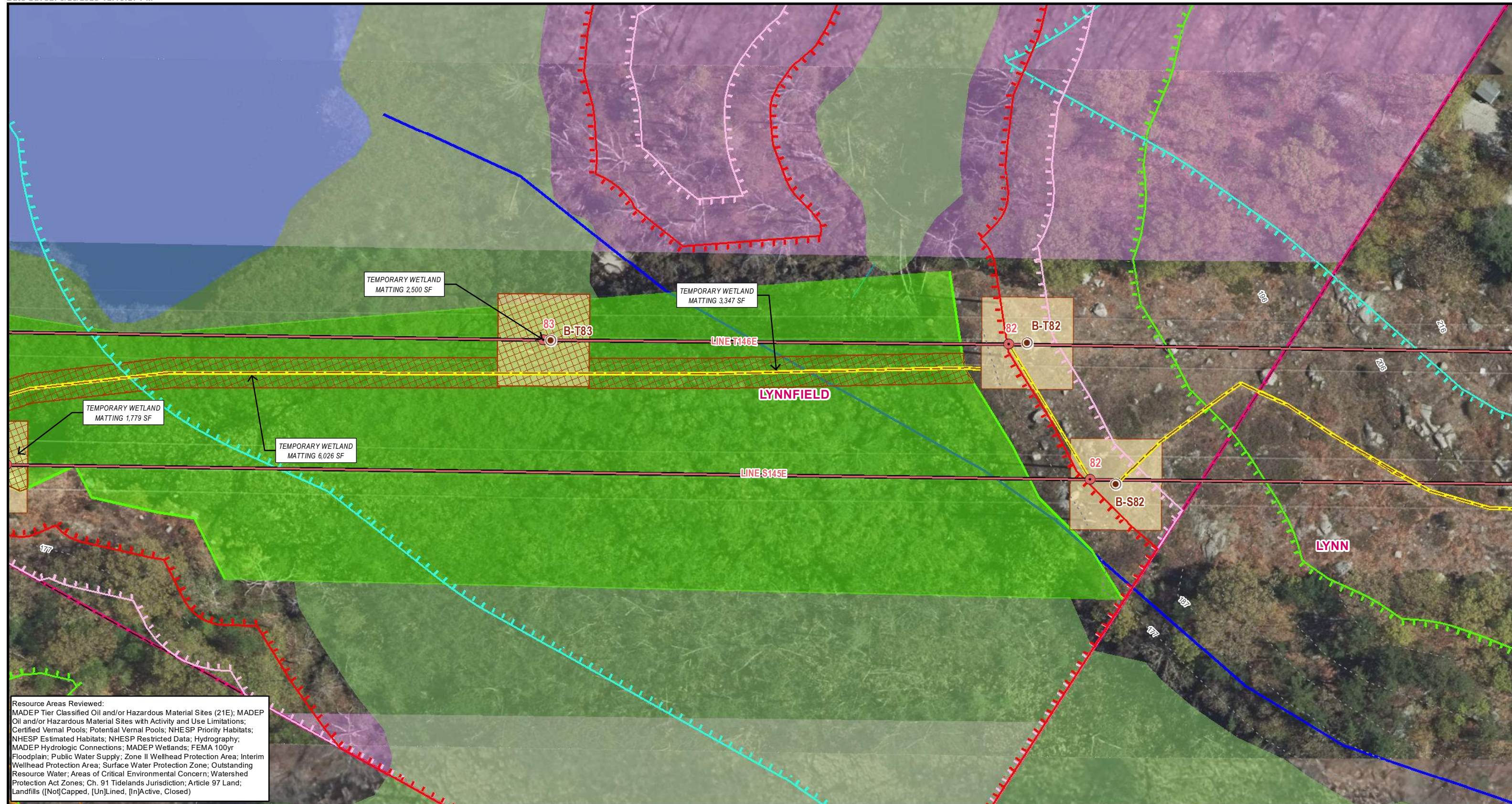
**S145E/T146E LINES GEOTECHNICAL
 SOIL BORING PROJECT**

Environmental Resources Map

Lynnfield & Lynn, MA
 Page 12 of 13

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

nationalgrid
BSC GROUP



<ul style="list-style-type: none"> Proposed Soil Boring Existing Structure Existing Overhead Line Approx. Edge of ROW Existing Access Off-ROW Access Temporary Wetland Matting Work Envelope* Field Delineated Stream 	<ul style="list-style-type: none"> Field Delineated Stream* Field Delineated Wetland Line Field Delineated Wetland* Field Delineated Vernal Pool Habitat* Perennial Stream MADEP Hydrologic Connections MADEP Open Water* MADEP Wetlands* 25ft No-Disturb Zone 	<ul style="list-style-type: none"> 50ft No-Build Zone 100ft No-Build Zone to Vernal Pools 100ft Buffer to Wetlands & Streams 200ft Riverfront Area FEMA 100yr Floodplain* Outstanding Resource Water Surface Water Protection Zone Potential Vernal Pools Certified Vernal Pools 	<ul style="list-style-type: none"> NHESP Priority Habitats Town Boundary Approx. Gas Pipeline 3 m Contours 	<ul style="list-style-type: none"> Article 97 Lands Municipal
---	--	--	--	---

N

1 inch = 50 feet
 0 25 50
 Feet

*Indicates Layers Set to Transparency

S145E/T146E LINES GEOTECHNICAL SOIL BORING PROJECT

Environmental Resources Map

Lynnfield & Lynn, MA
 Page 13 of 13

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

Attachment C

S145E/T146E Line Geotechnical Soil Borings Project
Lynnfield, Massachusetts
Notice of Intent

SITE PHOTOGRAPHS



Photo #1: View of the wetland near Structure 98 on the T146 Line, where the proposed soil boring and work pad are within the 100-foot Buffer Zone to BVW, along with Surface Water Protection Zone looking west.

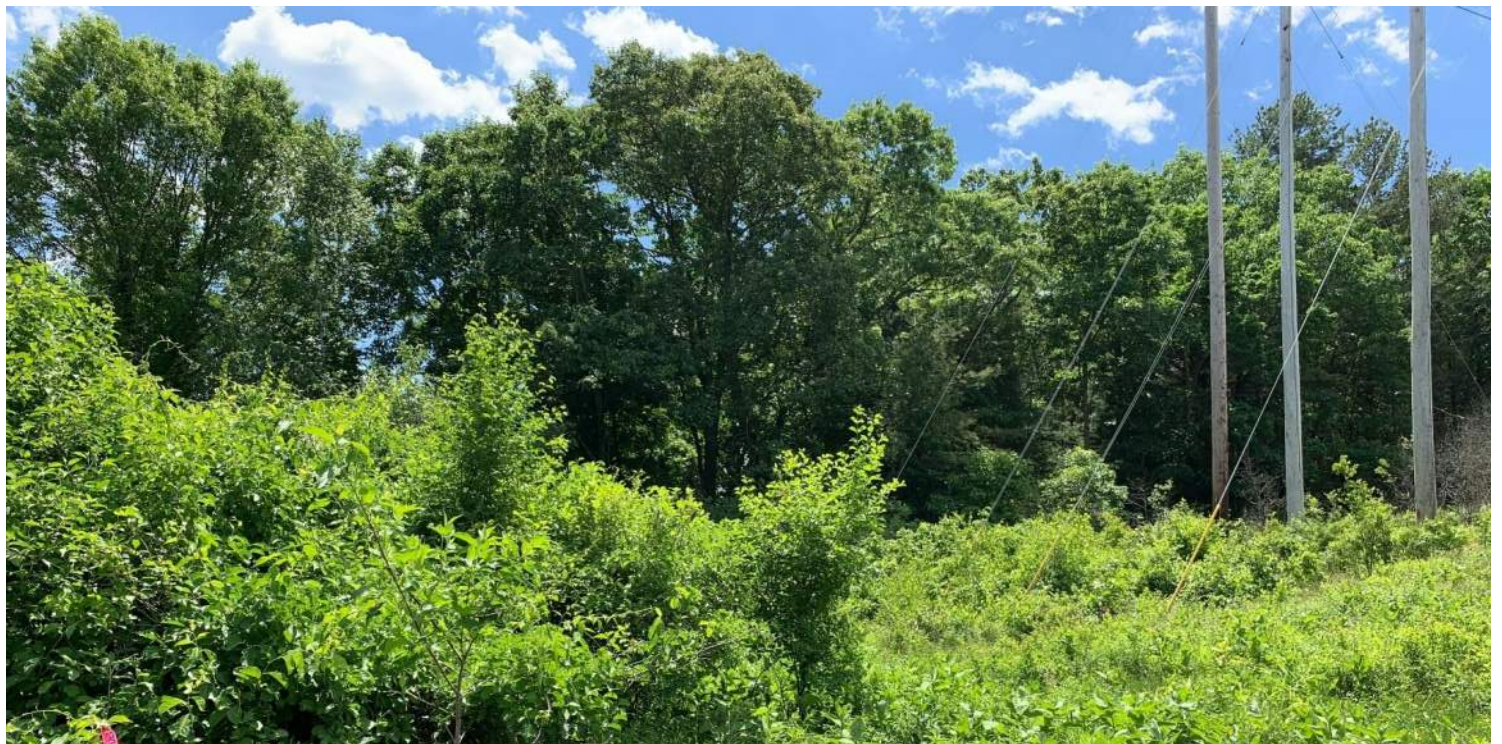


Photo #2: View of the wetland near Structure 97 on the S145E Line, where the proposed soil boring and work pad are within the 100-foot Buffer Zone to BVW, along with Surface Water Protection Zone looking southwest



Photo #3: View of the wetland near Structure 82 on both Lines, where the proposed soil boring and work pad are within the 100-foot Buffer Zone to BVW and 200-ft Riverfront Area looking northwest.



Photo #4: View of Structure 83 on the T146E Line, where the proposed soil boring and work pad are within the BVW, 100-foot Buffer Zone to BVW and 200-ft Riverfront Area looking northwest.



Photo #5: View of the wetland near Structure 93 and 94 on the S145E and T146E Lines, respectively, where the proposed soil boring and work pad are within the 100-foot Buffer Zone looking west.



Photo #6: View of access to Structure 92 on the T146E Line and Structure 91 on the S145E Line, where the proposed access is within the BVW and 100-foot Buffer Zone looking east.



Photo #7: View of the wetland near Structure 92 on the T146E (left) and 91 on the S145E Lines, where the proposed soil boring and work pad are within the BVW (only structure 92) and 100-foot Buffer Zone (both structure 92 and 91) looking east.



Photo #8: View of wetland near Structure 90 on the T146E Line, where the proposed soil boring and work pad is within the 200-ft Riverfront Area looking west.



Photo #9: View of the wetland near Structure 85 on the S145E Line, where the proposed soil boring and work pad are within the 100-foot Buffer Zone looking north.



Photo #10: View of wetland from Structure 87 on the T146E Line, where the proposed soil boring, access, and work pad is within the BVW and 100-ft Buffer Zone looking east.



Photo #11: View of the access to Structure 87 on the T146E Line, where the proposed access is within the BVW.

Attachment D

S145E/T146E Line Geotechnical Soil Borings Project
Lynnfield, Massachusetts
Notice of Intent

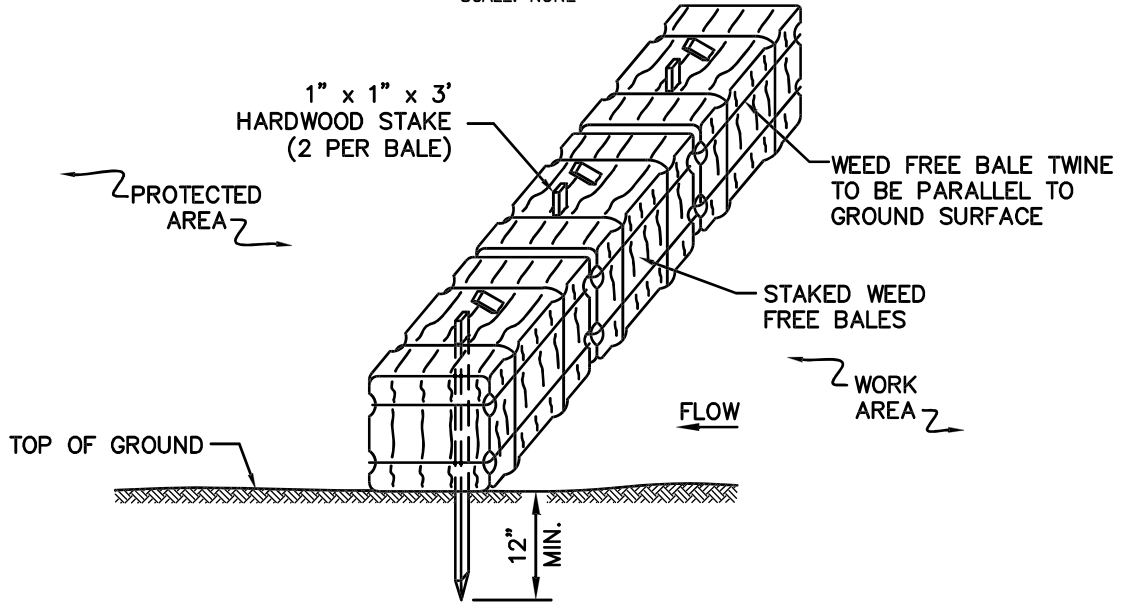
EG-303NE BEST MANAGEMENT PRACTICES

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

APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES
PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

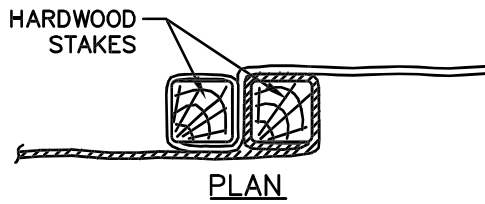
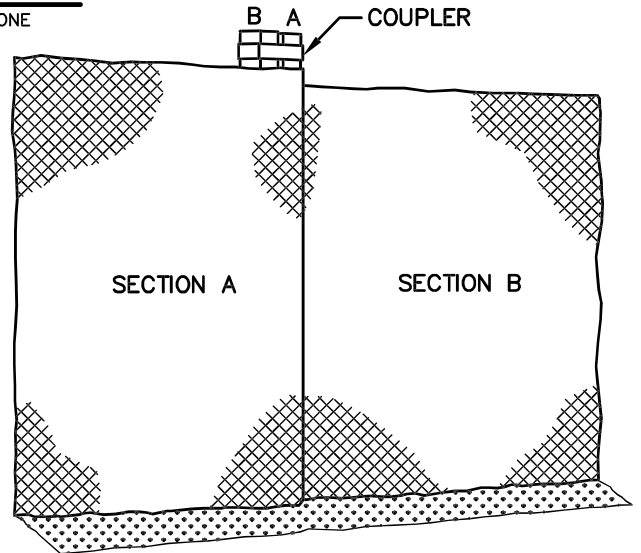
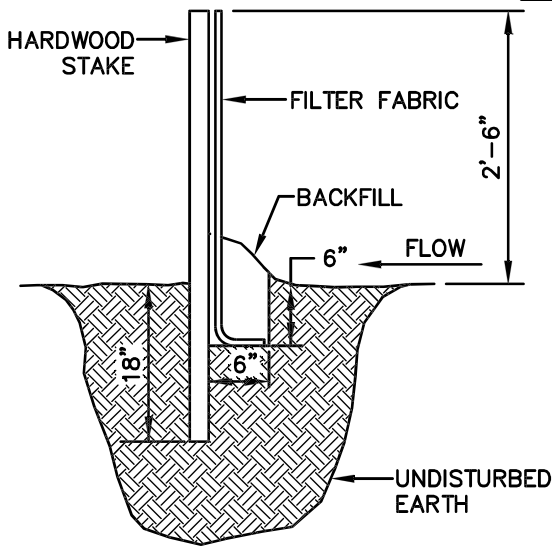
SEC-1
WEED FREE BALE BARRIER

SUBJECT
Access, Maintenance and Construction
Best Management Practices

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

BMP DETAIL

SCALE: NONE



BMP PICTURE



File: Sediment_Fence.dwg

APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES
PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

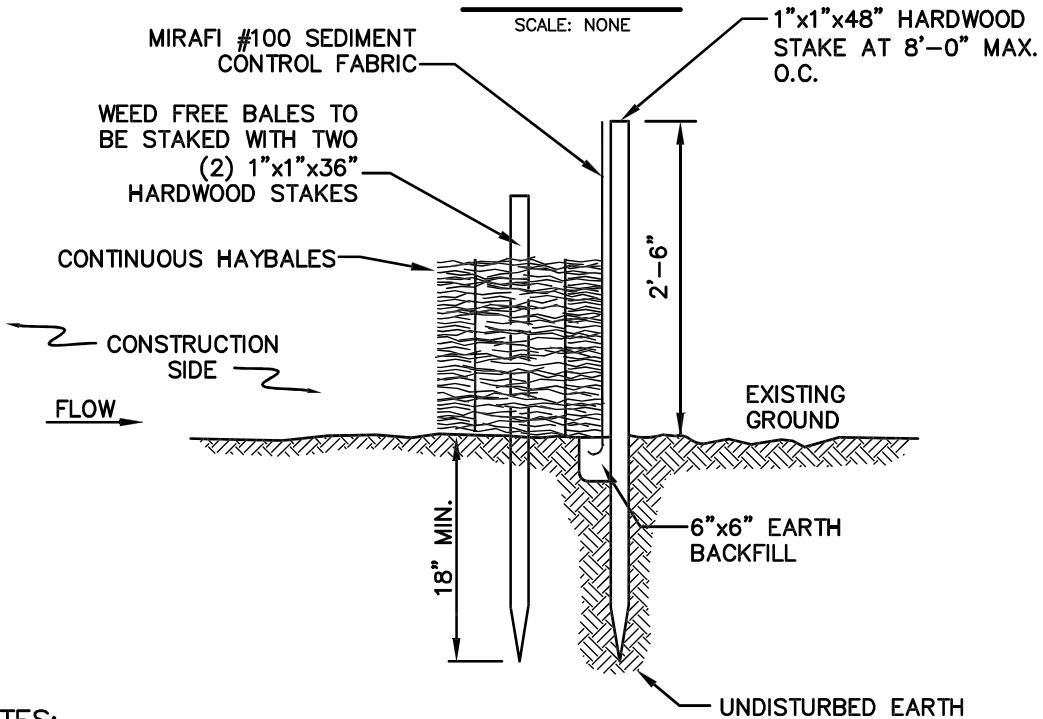
SEC-2
SEDIMENT CONTROL FENCE

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

APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES
PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

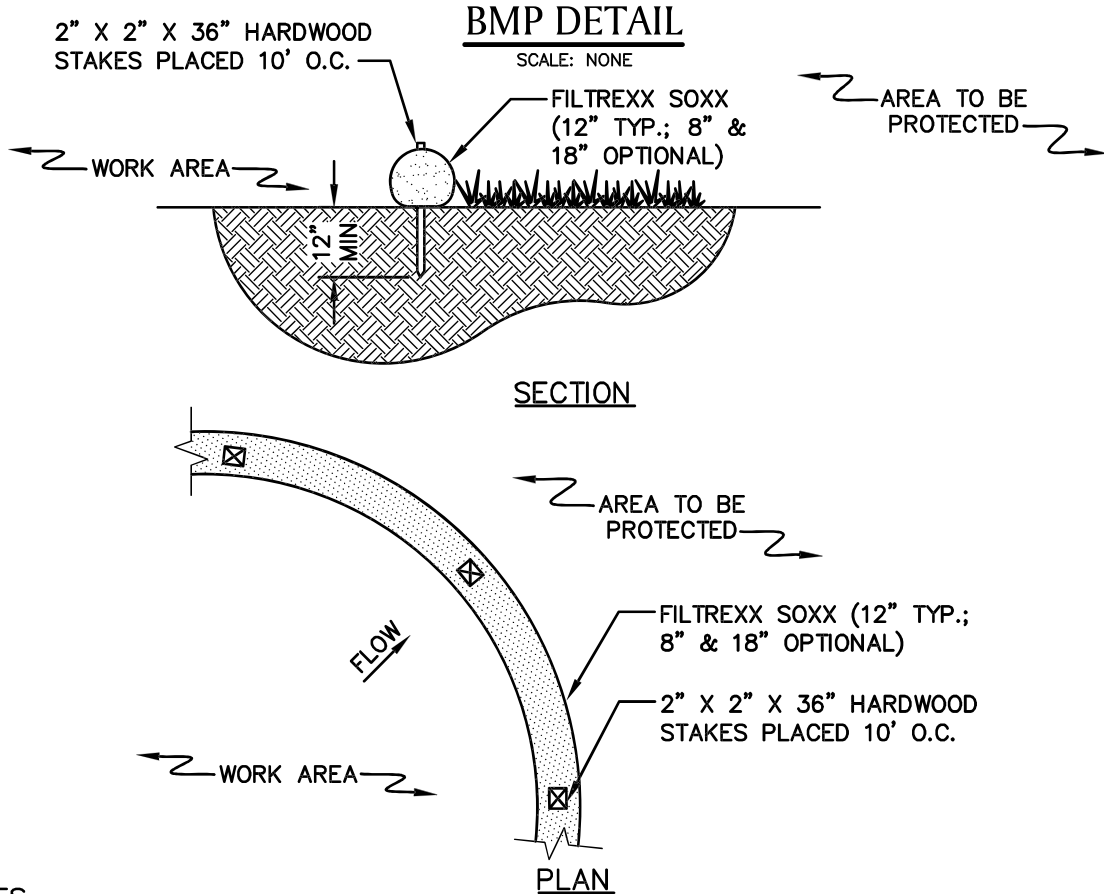
SEC-3
SILT FENCE /
WEED FREE BARRIER

SUBJECT

Access, Maintenance and Construction
Best Management Practices

Reference

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



NOTES

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

BMP PICTURE



* PICTURE AND DETAIL PROVIDED BY FILTREXX LAND IMPROVEMENT SYSTEMS
APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES
PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

SEC-4
SILT SOXX *

SUBJECT

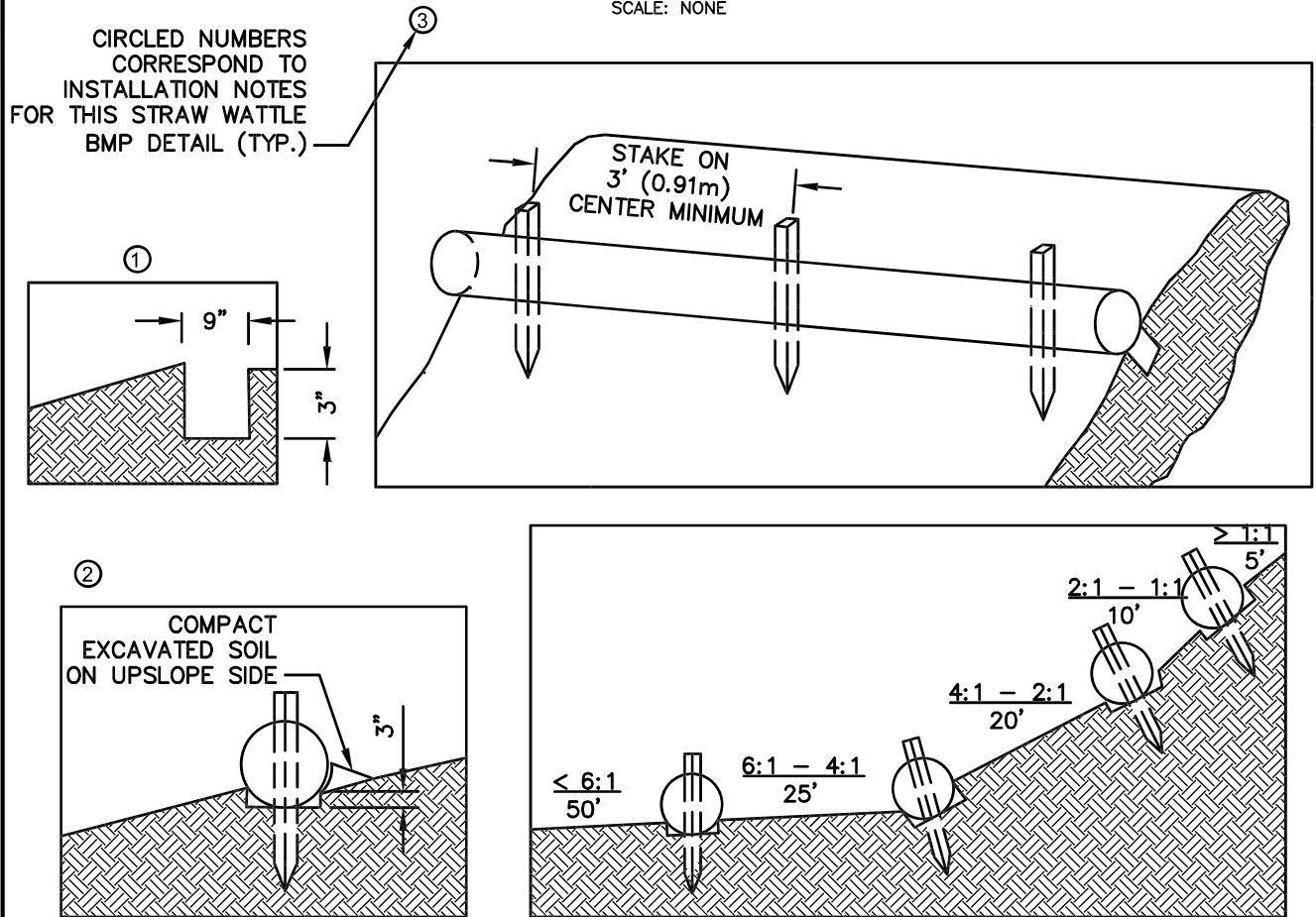
Access, Maintenance and Construction
Best Management Practices

Reference

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

BMP DETAIL

SCALE: NONE



NOTES:

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

INSTALLATION NOTES:

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

* DETAIL AND PICTURE PROVIDED BY TENSAR NORTH AMERICAN GREEN
APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES
 PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
 VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

SEC-5
STRAW WATTLE * (1 OF 2)

File: Straw_Wattle.dwg

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
APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES
PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.**

**SEC-5
STRAW WATTLE * (2 OF 2)**

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).

Attachment E

S145E/T146E Line Geotechnical Soil Borings Project
Lynnfield, Massachusetts
Notice of Intent

ABUTTER NOTIFICATION LETTER
CERTIFIED LIST OF ABUTTERS
AFFIDAVIT OF SERVICE

Notice to Abutters

Massachusetts Wetlands Protection Act

Notice of Intent (NOI) and/or Abbreviated Notice of Resource Area Delineation (ANRAD) Filings

As required by M.G.L. c 131, s. 40 (“The Massachusetts Wetlands Protection Act”), an **APPLICANT** shall provide notification to all abutters and any property owner within 100 feet of the property line of the land where the activity is proposed, including if separated from that land by a public or private street.

The following applicant has filed a Notice of Intent with the Lynnfield Conservation Commission. A public hearing will be held as stated below.

New England Power Company (NEP)
NAME OF APPLICANT

170 Data Drive, Waltham, MA 02451.
ADDRESS OF APPLICANT

S145E/T146E Transmission Line from
Tedford Ln to the Lynnfield/Lynn Boundary.
PROJECT ADDRESS

ASSESSOR’S MAP# _____ PARCEL# _____
Various. NEP has easement rights.

PROJECT DESCRIPTION: _____

The New England Power Company (NEP) is proposing to conduct geotechnical soil borings at existing structures along the S145E/T146E Transmission Line Right-of-Way (ROW), in Lynnfield, MA. Soil borings are needed to inform the design of future replacement structure foundations. Twenty (20) soil borings are proposed within wetland resource areas including: Bordering Vegetated Wetland (BVW), the 100-ft Buffer Zone to BVW, Outstanding Resource Waters (ORWs), 200-ft Riverfront Area (RA), NHESP Priority Habitat, and Surface Water Protection Zone (SWPZ). Each soil boring will result in approximately 1 square foot of temporary disturbance.

DATE AND TIME OF PUBLIC HEARING, AT TOWN HALL. (Subject to change. Please check website for updated information.)

October 17, 2023 at 6:30 p.m.

The public hearing is advertised in *The Lynnfield Villager*.

Copies of the Notice of Intent & plans may be examined in the Conservation Commission Office on the lower level at Town Hall on Mondays-Thursdays from 9:00 A.M. – 4:00 P.M, however, an appointment made in advance is encouraged. Please call Emilie Cademartori, Director of Planning & Conservation at (781) 334-9495 to make an appointment, or for any other questions.



TOWN OF LYNNFIELD

ASSESORS OFFICE

55 Summer Street, Lynnfield, MA 01940

Phone: 774-334-9050

REQUEST FOR CERTIFIED ABUTTERS LIST

****CERTIFIED LIST WILL BE PROVIDED WITHIN TEN WORKING DAYS ****

PROPERTY LOCATION: 1 REAR BROAD WAY, Lat/long - 42.507556, -71.026499

ASSESORS MAP#: 00 LOT #: 0022-0000-1928

FEE: \$5.00 for first five pages, \$1.00 after each consecutive page.

TYPE OF LIST REQUESTED:

- CONSERVATION COMMISSION
Within 100 ft.
- BOARD OF APPEALS
Within 300 ft.
- PLANNING BOARD
Within 300 ft.
- BOARD OF HEALTH
Immediate abutter and directly across the street

REQUESTED BY: Priyanka Shrestha DATE: 8/22/2023

PHONE NUMBER: 469-679-2975 EMAIL: pshrestha@bscgroup.com

-----Assessors Use Only-----

CERTIFIED BY: Theresa C. Galasso DATE: 8/28/23

OF PAGES: _____ DATE PAID: _____



100 feet Abutters List Report

Lynnfield, MA
August 28, 2023

Subject Properties:

Parcel Number: 0022-0000-1928
CAMA Number: 0022-0000-1928
Property Address: REAR MAIN ST

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

Parcel Number: 0022-0000-1928
CAMA Number: 0022-0000-1928
Property Address: 1 REAR BROAD WAY

Mailing Address: NEW ENGLAND POWER COMPANY
LARSON SHANNON
40 SYLVAN ROAD
WALTHAM, MA 02451

Parcel Number: 0022-0000-1928
CAMA Number: 0022-0000-1928
Property Address: REAR MAIN ST

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

Parcel Number: 0022-0000-1928
CAMA Number: 0022-0000-1928
Property Address: 1 REAR BROAD WAY

Mailing Address: NEW ENGLAND POWER COMPANY
LARSON SHANNON
40 SYLVAN ROAD
WALTHAM, MA 02451

Abutters:

Parcel Number: 0018-0000-2582
CAMA Number: 0018-0000-2582
Property Address: BAY STATE RD

Mailing Address: CAMP CURTIS GUILD MA ARMY NATL
GUARD
ADJUTANT GENERAL 25 HAVERHILL ST
READING, MA 01867

Parcel Number: 0022-0000-0645
CAMA Number: 0022-0000-0645
Property Address: 19A CANDLEWOOD RD

Mailing Address: PERKINS FARM GREENBELT CO C/O
DAVID GEARY
16 CANDLEWOOD ROAD
LYNNFIELD, MA 01940

Parcel Number: 0022-0000-1316
CAMA Number: 0022-0000-1316
Property Address: 15 CANDLEWOOD RD

Mailing Address: MENDESE GARY W, T/E MENDESE
ALYSON A, T/E
15 CANDLEWOOD ROAD
LYNNFIELD, MA 01940

Parcel Number: 0022-0000-1345
CAMA Number: 0022-0000-1345
Property Address: 9 JUNIPER RD

Mailing Address: CHAMIAN REALTY TRUST CHAMIAN
ARTHUR P & MAUREEN
9 JUNIPER RD
LYNNFIELD, MA 01940

Parcel Number: 0022-0000-1374
CAMA Number: 0022-0000-1374
Property Address: 7 JUNIPER RD

Mailing Address: 7 JUNIPER ROAD REALTY TRUST
SCIAUDONE SALVATORE R, TR
7 JUNIPER RD
LYNNFIELD, MA 01940

Parcel Number: 0022-0000-1939
CAMA Number: 0022-0000-1939
Property Address: 5 JUNIPER RD

Mailing Address: MUSE MICHAEL J T/E MUSE MICHELE
T/E
5 JUNIPER RD
LYNNFIELD, MA 01940



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.



100 feet Abutters List Report

Lynnfield, MA
August 28, 2023

Parcel Number: 0022-0000-1992 CAMA Number: 0022-0000-1992 Property Address: 3 JUNIPER RD	Mailing Address: MORELLI BERNARD R MORELLI DORA C 3 JUNIPER RD LYNNFIELD, MA 01940
Parcel Number: 0022-0000-2635 CAMA Number: 0022-0000-2635 Property Address: 18 HART RD	Mailing Address: GROMKO DAVID SCOTT, T/E GROMKO ANN MARIE, T/E 18 HART RD LYNNFIELD, MA 01940
Parcel Number: 0022-0000-2667 CAMA Number: 0022-0000-2667 Property Address: 19 HART RD	Mailing Address: KUSTKA MELISSA L 19 HART RD LYNNFIELD, MA 01940
Parcel Number: 0027-0000-0527 CAMA Number: 0027-0000-0527 Property Address: REAR MAIN ST	Mailing Address: NEW ENGLAND POWER COMPANY PROPERTY TAX DEPT 40 SYLVAN ROAD WALTHAM, MA 02451
Parcel Number: 0027-0000-0527 CAMA Number: 0027-0000-0527 Property Address: 1 REAR BROAD WAY	Mailing Address: NEW ENGLAND POWER COMPANY LARSON SHANNON 40 SYLVAN ROAD WALTHAM, MA 02451
Parcel Number: 0027-0000-0527 CAMA Number: 0027-0000-0527 Property Address: REAR MAIN ST	Mailing Address: NEW ENGLAND POWER COMPANY PROPERTY TAX DEPT 40 SYLVAN ROAD WALTHAM, MA 02451
Parcel Number: 0027-0000-0527 CAMA Number: 0027-0000-0527 Property Address: 1 REAR BROAD WAY	Mailing Address: NEW ENGLAND POWER COMPANY LARSON SHANNON 40 SYLVAN ROAD WALTHAM, MA 02451



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.



100 feet Abutters List Report

Lynnfield, MA
August 28, 2023

Subject Properties:

Parcel Number: 0022-0000-1928
CAMA Number: 0022-0000-1928
Property Address: REAR MAIN ST

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

Parcel Number: 0022-0000-1928
CAMA Number: 0022-0000-1928
Property Address: 1 REAR BROAD WAY

Mailing Address: NEW ENGLAND POWER COMPANY
LARSON SHANNON
40 SYLVAN ROAD
WALTHAM, MA 02451

Parcel Number: 0022-0000-1928
CAMA Number: 0022-0000-1928
Property Address: REAR MAIN ST

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

Parcel Number: 0022-0000-1928
CAMA Number: 0022-0000-1928
Property Address: 1 REAR BROAD WAY

Mailing Address: NEW ENGLAND POWER COMPANY
LARSON SHANNON
40 SYLVAN ROAD
WALTHAM, MA 02451

Abutters:

Parcel Number: 0018-0000-2582
CAMA Number: 0018-0000-2582
Property Address: BAY STATE RD

Mailing Address: CAMP CURTIS GUILD MA ARMY NATL
GUARD
ADJUTANT GENERAL 25 HAVERHILL ST
READING, MA 01867

Parcel Number: 0022-0000-0645
CAMA Number: 0022-0000-0645
Property Address: 19A CANDLEWOOD RD

Mailing Address: PERKINS FARM GREENBELT CO C/O
DAVID GEARY
16 CANDLEWOOD ROAD
LYNNFIELD, MA 01940

Parcel Number: 0022-0000-1316
CAMA Number: 0022-0000-1316
Property Address: 15 CANDLEWOOD RD

Mailing Address: MENDESE GARY W, T/E MENDESE
ALYSON A, T/E
15 CANDLEWOOD ROAD
LYNNFIELD, MA 01940

Parcel Number: 0022-0000-1345
CAMA Number: 0022-0000-1345
Property Address: 9 JUNIPER RD

Mailing Address: CHAMIAN REALTY TRUST CHAMIAN
ARTHUR P & MAUREEN
9 JUNIPER RD
LYNNFIELD, MA 01940

Parcel Number: 0022-0000-1374
CAMA Number: 0022-0000-1374
Property Address: 7 JUNIPER RD

Mailing Address: 7 JUNIPER ROAD REALTY TRUST
SCIAUDONE SALVATORE R, TR
7 JUNIPER RD
LYNNFIELD, MA 01940

Parcel Number: 0022-0000-1939
CAMA Number: 0022-0000-1939
Property Address: 5 JUNIPER RD

Mailing Address: MUSE MICHAEL J T/E MUSE MICHELE
T/E
5 JUNIPER RD
LYNNFIELD, MA 01940



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.



100 feet Abutters List Report

Lynnfield, MA
September 27, 2023

Subject Property:

Parcel Number: 0056-0000-1099
CAMA Number: 0056-0000-1099
Property Address: REAR BROAD WAY

Mailing Address: LYNNFIELD TOWN OF
TOWN HALL
LYNNFIELD, MA 01940

Abutters:

Parcel Number: 0056-0000-0376
CAMA Number: 0056-0000-0376
Property Address: 307 BROADWAY

Mailing Address: GROTTO REALTY TRUST GIUGLIANO
SALVATORE-GILFR
1 GIUGLIANO TERRACE
LYNNFIELD, MA 01940

Parcel Number: 0056-0000-0577
CAMA Number: 0056-0000-0577
Property Address: 385 REAR BROAD WAY

Mailing Address: TOWN OF LYNNFIELD CONSERVATION
COMMISSION
55 SUMMER STREET
LYNNFIELD, MA 01940

Parcel Number: 0056-0000-0933
CAMA Number: 0056-0000-0933
Property Address: 275 BROADWAY

Mailing Address: KNL RLTY TR-CATHLEEN CAVANAGH
155 ANDOVER STREET
DANVERS, MA 01923

Parcel Number: 0056-0000-0938
CAMA Number: 0056-0000-0938
Property Address: 271 REAR BROAD WAY

Mailing Address: KNL RLTY TR-CATHLEEN CAVANAGH
155 ANDOVER STREET
DANVERS, MA 01923

Parcel Number: 0056-0000-1882
CAMA Number: 0056-0000-1882
Property Address: REAR MAIN ST

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

Parcel Number: 0056-0000-1882
CAMA Number: 0056-0000-1882
Property Address: 1 REAR BROAD WAY

Mailing Address: NEW ENGLAND POWER COMPANY
LARSON SHANNON
40 SYLVAN ROAD
WALTHAM, MA 02451

Parcel Number: 0056-0000-1882
CAMA Number: 0056-0000-1882
Property Address: REAR MAIN ST

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

Parcel Number: 0056-0000-1882
CAMA Number: 0056-0000-1882
Property Address: 1 REAR BROAD WAY

Mailing Address: NEW ENGLAND POWER COMPANY
LARSON SHANNON
40 SYLVAN ROAD
WALTHAM, MA 02451



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.



100 feet Abutters List Report

Lynnfield, MA
August 28, 2023

Parcel Number: 0022-0000-1992 CAMA Number: 0022-0000-1992 Property Address: 3 JUNIPER RD	Mailing Address: MORELLI BERNARD R MORELLI DORA C 3 JUNIPER RD LYNNFIELD, MA 01940
Parcel Number: 0022-0000-2635 CAMA Number: 0022-0000-2635 Property Address: 18 HART RD	Mailing Address: GROMKO DAVID SCOTT, T/E GROMKO ANN MARIE, T/E 18 HART RD LYNNFIELD, MA 01940
Parcel Number: 0022-0000-2667 CAMA Number: 0022-0000-2667 Property Address: 19 HART RD	Mailing Address: KUSTKA MELISSA L 19 HART RD LYNNFIELD, MA 01940
Parcel Number: 0027-0000-0527 CAMA Number: 0027-0000-0527 Property Address: REAR MAIN ST	Mailing Address: NEW ENGLAND POWER COMPANY PROPERTY TAX DEPT 40 SYLVAN ROAD WALTHAM, MA 02451
Parcel Number: 0027-0000-0527 CAMA Number: 0027-0000-0527 Property Address: 1 REAR BROAD WAY	Mailing Address: NEW ENGLAND POWER COMPANY LARSON SHANNON 40 SYLVAN ROAD WALTHAM, MA 02451
Parcel Number: 0027-0000-0527 CAMA Number: 0027-0000-0527 Property Address: REAR MAIN ST	Mailing Address: NEW ENGLAND POWER COMPANY PROPERTY TAX DEPT 40 SYLVAN ROAD WALTHAM, MA 02451
Parcel Number: 0027-0000-0527 CAMA Number: 0027-0000-0527 Property Address: 1 REAR BROAD WAY	Mailing Address: NEW ENGLAND POWER COMPANY LARSON SHANNON 40 SYLVAN ROAD WALTHAM, MA 02451



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.



100 feet Abutters List Report

Lynnfield, MA
September 27, 2023

Subject Property:

Parcel Number: 0056-0000-2625
CAMA Number: 0056-0000-2625
Property Address: REAR BROAD WAY

Mailing Address: LYNN CITY OF
LYNN CITY HALL
LYNN, MA 01901

Abutters:

Parcel Number: 0056-0000-0577
CAMA Number: 0056-0000-0577
Property Address: 385 REAR BROAD WAY

Mailing Address: TOWN OF LYNNFIELD CONSERVATION
COMMISSION
55 SUMMER STREET
LYNNFIELD, MA 01940

Parcel Number: 0056-0000-1385
CAMA Number: 0056-0000-1385
Property Address: LEDGE RD

Mailing Address: LYNNFIELD TOWN OF CONSERVATION
COMMISSION
TOWN HALL
LYNNFIELD, MA 01940

Parcel Number: 0056-0000-1882
CAMA Number: 0056-0000-1882
Property Address: REAR MAIN ST

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

Parcel Number: 0056-0000-1882
CAMA Number: 0056-0000-1882
Property Address: 1 REAR BROAD WAY

Mailing Address: NEW ENGLAND POWER COMPANY
LARSON SHANNON
40 SYLVAN ROAD
WALTHAM, MA 02451

Parcel Number: 0056-0000-1882
CAMA Number: 0056-0000-1882
Property Address: REAR MAIN ST

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

Parcel Number: 0056-0000-1882
CAMA Number: 0056-0000-1882
Property Address: 1 REAR BROAD WAY

Mailing Address: NEW ENGLAND POWER COMPANY
LARSON SHANNON
40 SYLVAN ROAD
WALTHAM, MA 02451

Parcel Number: 0056-0000-2092
CAMA Number: 0056-0000-2092
Property Address: REAR MAIN ST

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

Parcel Number: 0056-0000-2092
CAMA Number: 0056-0000-2092
Property Address: 1 REAR BROAD WAY

Mailing Address: NEW ENGLAND POWER COMPANY
LARSON SHANNON
40 SYLVAN ROAD
WALTHAM, MA 02451

Parcel Number: 0056-0000-2092
CAMA Number: 0056-0000-2092
Property Address: REAR MAIN ST

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

Parcel Number: 0056-0000-2092
CAMA Number: 0056-0000-2092
Property Address: 1 REAR BROAD WAY

Mailing Address: NEW ENGLAND POWER COMPANY
LARSON SHANNON
40 SYLVAN ROAD
WALTHAM, MA 02451



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.



100 feet Abutters List Report

Lynnfield, MA
September 27, 2023

Parcel Number: 0056-0000-2576
CAMA Number: 0056-0000-2576
Property Address: REAR BROAD WAY

Mailing Address: LYNNFIELD TOWN OF CONSERVATION
COMM
TOWN HALL
LYNNFIELD, MA 01940



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.

9/27/2023

Page 2 of 2

The following addresses could not be extracted as a report. Received from Town of Lynnfield via email on 9/28/2023 -

Route one Assoc realty Trust
c/o Quinn Giacchetto Trustee
31 Round Hill Road
Lincoln, Ma 01773

KNL RLTY - Cathleen Cavanagh
155 Andover Street
Danvers, Ma 01923

215 Broadway Realty LLC
155 Andover Street RTE 114
Danvers, Ma 01923

New England Power Company
Larson Shannon
40 Sylvan road
Waltham, Ma 02451