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August 5, 2022

Secretary Beth Card
Executive Office of Energy and Environmental Affairs
Attn: MEPA Unit
100 Cambridge Street, Suite 900
Boston, MA 02144

RE: Expanded Environmental Notification Form – Revised Impacts
EEA # 16570
Eversource Energy WT-11 Transmission Right-of-Way Reliability Program
Northfield, Erving, Wendell, Montague, Leverett, Shutesbury, Pelham, Belchertown, Amherst, Granby, and
Ludlow, Massachusetts

Dear Secretary Card,

NSTAR Electric Company d/b/a Eversource Energy (Eversource) is submitting this update to the Expanded Environmental Notification Form (EENF), submitted on June 15, 2022, for its WT-11 Transmission Right-of-Way Reliability Program (TRRP) Project (the Project) to address changes to anticipated environmental impacts that were included in the EENF. A mapping error that incorrectly offset the limit of tree clearing line 100-feet from the centerline of the structures rather than 100-feet from the outer conductors, creating a discrepancy of up to approximately 25 feet on either side of the Project area, resulted in erroneously reduced tree clearing impact calculations. Also, additional field constructability reviews to explore ways to minimize impacts to vernal pools has resulted in a change to temporary matting impacts in three locations, resulting in an overall net reduction in temporary matting impacts. A revised ENF form with updated impacts is provided in Attachment A and any changes to impacts detailed in the EENF are provided in the following narrative. Revised mapping is provided in Attachment B.

Should you have any questions regarding this request or the materials submitted herein, please do not hesitate to contact me at (508) 233-8769 or Rebecca.weissman@swca.com, or Bob Deptula with Eversource at (860) 871-3456 or Robert.deptula@eversource.com.

Very truly yours,
SWCA Environmental

A handwritten signature in blue ink that reads "Rebecca Weissman". The signature is fluid and cursive, with the first name and last name clearly legible.

Rebecca Weissman, PWS
Business Development Director – Northeast



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WT-11 TRRP EENF REVISED IMPACT CALCULATIONS

Revised tree clearing impacts will permanently convert 370.6 acres of forested land to successional scrub-shrub habitat. Further, 10.1 acres of temporary impacts will occur due to the placement of construction mats to support equipment through resource areas during tree clearing activities. Changes to impacts from the EENF submitted on June 15, 2022 affect calculations for wetland resources, surface water resources, and Priority Habitats of Rare Species. Each affected resource is described in further detail in the following sections.

WETLAND RESOURCE IMPACTS

The revised temporary and permanent impacts to wetlands expected to occur as a result of the Project are summarized in Table 1 below and are depicted in the revised WT-11 TRRP MEPA EENF Map Set in Attachment B.

Table 1. Revised Wetland Resource Impacts

Wetland ID	State Resource Designation ¹	Impact Type	
		Temporary Construction Mats (SF)	Permanent PFO to PSS Conversion (SF)
NOW1B	BVW	-	1,436
NOW2B	BVW	-	-
NOW3B	IVW	-	<0.1
NOW4B	BVW	-	1,469
NOW5B	BVW	-	1,298
ERW4B	BVW	-	380
ERW5B	BVW	-	894
ERW6B	BVW	-	64
ERW7B	BVW	-	127
ERW8B	IVW	-	-
ERW9B	BVW	6,430	19,772
WEW1B	BVW	7,688	10,450
WEW3B	BVW	-	-
WEW2B	IVW	-	-
WEW4B	BVW	9,271	28,926
WEW5B	BVW	2,571	6,612
MOW1B	BVW	622	5,610
MOW2B	BVW	392	968
MOW4B	IVW	811	39
MOW5B	BVW	102	1,085
MOW4A	BVW	888	713
MOW5A	BVW	519	11,078
MOW6A	BVW	-	10,301



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Wetland ID	State Resource Designation ¹	Impact Type	
		Temporary Construction Mats (SF)	Permanent PFO to PSS Conversion (SF)
MOW7A	BVW	-	2,084
MOW8A	BVW	-	5,104
MOW9A	BVW	-	3,630
MOW3B	BVW	3,222	7,690
MOW6B	BVW	2,139	4,100
MOW7B	BVW	9,556	5,436
LEW1B	IVW	<0.1	-
LEW2B	IVW	-	3,336
LEW3B	BVW	-	-
LEW4B	BVW	3,382	4,714
LEW5B	BVW	548	4,257
LEW6B	BVW	4,938	5,161
LEW7B	IVW	-	105
LEW8B	BVW	9,917	20,791
LEW9B	BVW	16,715	61,155
LEW10B	IVW	-	-
LEW11B	BVW	1,621	3,916
LEW12B	BVW	-	1,280
LEW13B	BVW	-	5,040
LEW14B	BVW	194	-
LEW15B	BVW	-	29,532
LEW16B	BVW	-	242
LEW17B	BVW	-	2,873
LEW18B	BVW	-	2,703
LEW19B	BVW	443	38,976
LEW20B	BVW	1,010	-
LEW21B	BVW	3,230	21,236
LEW22B	BVW	601	3,572
LEW23B	IVW	-	332
LEW24B	IVW	-	-
LEW25B	BVW	16,486	58,132
LEW1D	BVW	-	3,434
LEW2D	BVW	1,073	28,609
LEW26A	IVW	-	-
LEW27A	BVW	134	30
LEW28A	BVW	1,163	910
LEW29B	BVW	3,800	27,289



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Wetland ID	State Resource Designation ¹	Impact Type	
		Temporary Construction Mats (SF)	Permanent PFO to PSS Conversion (SF)
LEW30B	BVW	-	13
LEW31B	IVW	-	4,371
SHW1B	BVW	-	4,197
SHW2B	IVW	-	1
SHW3B	IVW	-	1,087
SHW4B	BVW	-	3,940
SHW5A	BVW	4,945	20,489
SHW6A	BVW	-	1,281
SHW7A	IVW	-	8,325
SHW8A	IVW	-	1,928
SHW9A	BVW	3,341	25,443
SHW10A	BVW	2,422	8,283
SHW1C	BVW	13,464	51,192
PEW18A	BVW	-	2,729
PEW19C	BVW	-	1,556
PEW20C	BVW	7,690	39,826
PEW20A	BVW	4,613	17,669
PEW21A	IVW	3,883	11,449
PEW22A	BVW	16,737	61,964
PEW18C	IVW	-	-
PEW17C	BVW	393	12,277
PEW16C	BVW	-	10,081
PEW15C	BVW	-	1,914
PEW14A	BVW	4,967	15,593
PEW13A	BVW	-	732
PEW13AA	BVW	181	2,181
PEW12C	IVW	-	-
PEW11C	BVW	-	-
PEW10C	IVW	-	1,619
PEW09C	IVW	-	-
PEW8C	IVW	-	-
PEW7C	IVW	-	-
PEW6C	IVW	-	-
PEW5C	BVW	-	2,250
PEW4C	IVW	-	882
PEW3C	IVW	-	-
PEW2C	BVW	3,341	39,943



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Wetland ID	State Resource Designation ¹	Impact Type	
		Temporary Construction Mats (SF)	Permanent PFO to PSS Conversion (SF)
PEW1C	IVW	-	729
BEW19C	BVW	-	2,358
BEW18C	BVW	-	5,029
BEW17C	BVW	3,878	4,525
BEW16C	BVW	-	3,960
BEW15C	BVW	20,650	61,905
BEW14C	BVW	2,528	8,618
BEW13C	BVW	-	2,109
BEW12C	BVW	2,155	6,720
BEW11C	BVW	5,909	17,304
BEW10C	BVW	13,855	44,634
BEW9C	BVW	5,638	19,649
BEW8C	BVW	-	1,251
BEW7C	IVW	-	2,390
BEW6C	BVW	20,541	56,161
BEW5C	BVW	8,834	6,383
BEW4C	BVW	30,375	41,935
BEW3C	BVW	-	1,305
BEW2C	BVW	-	27
BEW1C	BVW	774	7,743
GRW24C	BVW	-	-
GRW23C	IVW	-	-
GRW22C	IVW	-	-
GRW19C	BVW	26,100	77,861
GRW18C	IVW	-	326
GRW17C	BVW	-	5,927
GRW19AC	BVW	-	-
GRW16C	BVW	18,567	70,335
GRW15C	BVW	-	2,766
GRW14C	BVW	-	2,790
GRW13C	BVW	-	12,089
GRW20B	IVW	-	-
GRW13AC	BVW	-	55,313
GRW12C	BVW	-	3,393
GRW11C	BVW	-	2,812
GRW10C	BVW	3,270	39,418
GRW9C	IVW	-	-



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Wetland ID	State Resource Designation ¹	Impact Type	
		Temporary Construction Mats (SF)	Permanent PFO to PSS Conversion (SF)
GRW8C	BVW	-	7,206
GRW7C	BVW	4,549	16,108
GRW6C	BVW	-	4,202
GRW5C	BVW	-	9,149
GRW4C	BVW	-	1,650
GRW3C	BVW	-	139
GRW2C	IVW	-	9,974
GRW1C	BVW	9,141	50,077
LUW9C	BVW	3,229	8,590
LUW8C	BVW	574	6,656
LUW7C	BVW	2,487	11,731
LUW6C	IVW	-	2,976
LUW5C	BVW	1,577	5,341
LUW4C	BVW	9,596	38,296
LUW3C	BVW	3,704	14,282
LUW2C	IVW	2,812	10,724
LUW1C	BVW	-	-
TOTALS		376,183	1,580,954

¹State Resource Designation: BVW = bordering vegetated wetland, IVW = isolated vegetated wetland

*SF = square feet

As identified in Table 1, the Project will result in temporary impacts to approximately 8.4 acres of bordering vegetated wetland (BVW) and 0.2 acres of isolated vegetated wetland (IVW) from the placement of temporary construction mats to support tree clearing equipment in wetlands. In addition, tree clearing will result in the permanent conversion of approximately 34.3 acres of BVW and 2 acres of IVW from forested to scrub shrub/emergent community types.

SURFACE WATER RESOURCE IMPACTS

Surface water resources with revised temporary and permanent impacts include Outstanding Resource Waters (ORW), Bordering Land Subject to Flooding (BLSF), vernal pools, streambank, streambed, and the associated 200-foot Riverfront Area (RFA) that extends from both sides of perennial streams. Temporary impacts may result from the placement of construction mats to span surface water for access to tree clearing areas, causing vegetation disturbance and temporary shading to matted areas. Permanent impacts may result from the clearing of trees along stream bank or within surface waters. Updated impact calculations for each surface water resource are detailed in Table 2.

Table 2. Revised Surface Water Resource Impacts

Resource Type	Impact by Type	
	Temporary Construction Mats	Permanent PFO to PSS Conversion
Outstanding Resource Waters (except vernal pools)	54,480 SF	263,171 SF
Certified Vernal Pools	-	20,952 SF
Bordering Land Subject to Flooding	64,978 SF	364,858 SF
Streambank	-	18,073 LF
Streambed	560 SF	-
Riverfront Area	84,579 SF	1,484,242 SF

*SF = square feet; *LF = linear feet

STATE-LISTED RARE SPECIES HABITAT

Tree clearing in designated Priority Habitats for Rare Species (PH) will result in the permanent conversion of 111.6 acres of forested land to scrub-shrub habitat. Utilization of construction matting for access to work areas will result in approximately 4.3 acres of temporary impacts to PH. Eversource has been consulting regularly with the Natural Heritage and Endangered Species Program (NHESP) regarding the Project. No changes from what was originally anticipated in the EENF regarding the issuance of a Take determination for the eastern box turtle, and requirement for a conservation and management permit and mitigation for that species, have occurred. For all other state-listed species, it is still anticipated that the avoidance of a Take of a state-listed species through time-of-year restrictions for rare animal species and survey and avoidance of climbing fern populations is likely. Impact calculations for each PH are detailed in Table 3.



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Table 3. Revised Priority Habitat of Rare Species Impacts

PH #	Town(s)	Species	Impact by Type			
			Temporary Construction Mats (SF)		Permanent PFO to PSS Conversion (SF)	
			Upland	Wetland	Upland	Wetland
1077	Ludlow	Marbled Salamander	2,505	3,803	383,579	15,440
1238	Amherst, Belchertown, & Granby	Eastern Box Turtle	4,813	45,441	1,042,360	167,748
1276	Belchertown	Eastern Box Turtle	1,610	29,444	332,074	95,696
1316	Pelham	Eastern Box Turtle	2,654	3,341	780,418	43,804
1488	Leverett & Shutesbury	Eastern Box Turtle	2,872	24,614	1,475,128	135,831
2084	Amherst & Belchertown	Climbing Fern & Wood Turtle	5,928	59,487	283,778	106,506
Totals			20,381	166,130	4,297,336	565,025

*SF = square feet



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ATTACHMENT A
REVISED ENVIRONMENTAL NOTIFICATION FORM

Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs
Massachusetts Environmental Policy Act (MEPA) Office

Environmental Notification Form (Revised 8/5/2022)

For Office Use Only

EEA#: _____

MEPA Analyst: _____

The information requested on this form must be completed in order to submit a document electronically for review under the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: WT-11 Transmission Right-of Way Reliability Project												
Street Address: N/A – linear right-of-way project												
Municipality: Northfield, Erving, Wendell, Montague, Leverett, Shutesbury, Pelham, Belchertown, Amherst, Granby, Ludlow, MA	Watershed: Connecticut River, Millers River, and Chicopee River											
Universal Transverse Mercator Coordinates: Start: 18T 707630.00mE, 4720634.00mN End: 18T 710829.92mE, 4674630.28mN	Latitude: Start: 42.610183°, End: 42.19541° Longitude: Start: -72.468667°, End: -72.446543°											
Estimated commencement date: 2nd quarter 2023	Estimated completion date: 1st quarter 2024											
Project Type: Utility	Status of project design: 90 %complete											
Proponent: NSTAR Electric Company d/b/a Eversource Energy												
Street Address: 247 Station Drive												
Municipality: Westwood	State: MA	Zip Code: 02090										
Name of Contact Person: Rebecca Weissman												
Firm/Agency: SWCA Environmental Consultants	Street Address: 153 Cordaville Road, Suite 130											
Municipality: Southborough	State: MA	Zip Code: 01772										
Phone: 508.233.8769	Fax: _____	E-mail: Rebecca.weissman@swca.com										
<p>Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If this is an Expanded Environmental Notification Form (ENF) (see 301 CMR 11.05(7)) or a Notice of Project Change (NPC), are you requesting:</p> <table style="width: 100%;"><tr><td>a Single EIR? (see 301 CMR 11.06(8))</td><td><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</td></tr><tr><td>a Rollover EIR? (see 301 CMR 11.06(13))</td><td><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td></tr><tr><td>a Special Review Procedure? (see 301CMR 11.09)</td><td><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td></tr><tr><td>a Waiver of mandatory EIR? (see 301 CMR 11.11)</td><td><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td></tr><tr><td>a Phase I Waiver? (see 301 CMR 11.11)</td><td><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td></tr></table> <p>(Note: Greenhouse Gas Emissions analysis must be included in the Expanded ENF.)</p> <p>Which MEPA review threshold(s) does the project meet or exceed (see 301 CMR 11.03)?</p> <ul style="list-style-type: none">- 301 CMR(1)(a)(1): Direct alteration of 50 or more acres of land- 301 CMR(2)(b)(2): Greater than two acres of disturbance to designated priority habitat that results in a take of a state-listed endangered or threatened species or species of special concern- 310 CMR(3)(a)(1)(a-b): Alteration of one or more acres of bordering vegetating wetlands and alteration of ten or more acres of any other wetlands <p>Which State Agency Permits will the project require?</p> <p>Massachusetts Department of Environmental Protection – 401 Water Quality Certification; Massachusetts Natural Heritage and Endangered Species Program – Conservation and Management Permit</p> <p>Identify any financial assistance or land transfer from an Agency of the Commonwealth, including the Agency name and the amount of funding or land area in acres: N/A</p>			a Single EIR? (see 301 CMR 11.06(8))	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	a Rollover EIR? (see 301 CMR 11.06(13))	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	a Special Review Procedure? (see 301CMR 11.09)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	a Waiver of mandatory EIR? (see 301 CMR 11.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	a Phase I Waiver? (see 301 CMR 11.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
a Single EIR? (see 301 CMR 11.06(8))	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											
a Rollover EIR? (see 301 CMR 11.06(13))	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No											
a Special Review Procedure? (see 301CMR 11.09)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No											
a Waiver of mandatory EIR? (see 301 CMR 11.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No											
a Phase I Waiver? (see 301 CMR 11.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No											

Summary of Project Size & Environmental Impacts ¹	Existing	Change	Total
LAND			
Total site acreage	1,065		
New acres of land altered		Tree clearing: 371 ac Mats: 10 ac	
Acres of impervious area	N/A	N/A	N/A
Square feet of new bordering vegetated wetlands alteration		Tree clearing: 1,494,916 Mats: 365,336	
Square feet of new other wetland alteration ²		RFA tree clearing: 1,484,242 RFA mats: 84,579 IVW tree clearing: 86,038 IVW mats: 10,847 BLSF tree clearing: 364,858 BLSF mats: 64,978	
Acres of new non-water dependent use of tidelands or waterways		N/A	
STRUCTURES			
Gross square footage	N/A	N/A	N/A
Number of housing units	N/A	N/A	N/A
Maximum height (feet)	N/A	N/A	N/A
TRANSPORTATION			
Vehicle trips per day	N/A	N/A	N/A
Parking spaces	N/A	N/A	N/A
WASTEWATER			
Water Use (Gallons per day)	N/A	N/A	N/A
Water withdrawal (GPD)	N/A	N/A	N/A
Wastewater generation/treatment (GPD)	N/A	N/A	N/A
Length of water mains (miles)	N/A	N/A	N/A
Length of sewer mains (miles)	N/A	N/A	N/A
Has this project been filed with MEPA before? <input checked="" type="checkbox"/> Yes (EEA # 16570) <input type="checkbox"/> No			
Has any project on this site been filed with MEPA before? <input type="checkbox"/> Yes (EEA # _____) <input checked="" type="checkbox"/> No			

¹ Impacts from tree clearing reflect a permanent conversion from forested to scrub-shrub community types; impacts from mats are temporary.

² RFA = 200-foot Riverfront Area; IVW = Isolated Vegetated Wetland; BLSF = Bordering Land Subject to Flooding

GENERAL PROJECT INFORMATION – all proponents must fill out this section

PROJECT DESCRIPTION:

Describe the existing conditions and land uses on the project site:

NSTAR Electric Company d/b/a Eversource Energy (Eversource) is filing this Expanded Environmental Notification Form (EENF) for the Transmission Right-of-way Reliability Program (TRRP) within the existing WT-11 Right-of-Way (ROW), which runs from the Northfield Substation in Northfield, Massachusetts, south through the towns of Erving, Wendell, Montague, Leverett, Shutesbury, Pelham, Belchertown, Amherst and Granby, to the Ludlow Substation in Ludlow, Massachusetts (the Project). The Project area is approximately 29.3 linear miles within this ROW, which contains Line 354, a 345-kV overhead transmission line. The WT-11 ROW is approximately 300 feet wide and has an existing maintained width of approximately 125 feet.

Conditions within the Project area consist of upland and wetland areas with generally shrubby and herbaceous vegetation communities. Mature woody vegetation exists along the edges of the corridor. Water resources, including wetlands and streams, were delineated within the Project area in Fall 2021 and Spring 2022. The Project also crosses six priority habitats of state-listed rare species.

Land use adjacent to or within the Project area includes agricultural, lower-density residential, and several land conservation areas. The Project crosses an Environmental Justice (EJ) community in Wendell, which is designated due to income, and Amherst, which is designated due to minority composition.

A detailed environmental analysis of conditions within and adjacent to the Project area is provided in Chapter 4 of the Project Narrative in Attachment 8. All resource areas crossed by the Project are depicted in the Vegetation Management Map Set provided in Attachment 2. The figure provided in Attachment 1 depicts the general location of the Project on a USGS topographic map. An EJ Community map is provided in Attachment 4.

Describe the proposed project and its programmatic and physical elements:

NOTE: The project description should summarize both the project's direct and indirect impacts (including construction period impacts) in terms of their magnitude, geographic extent, duration and frequency, and reversibility, as applicable. It should also discuss the infrastructure requirements of the project and the capacity of the municipal and/or regional infrastructure to sustain these requirements into the future.

Eversource is responsible for maintaining a safe, reliable electric transmission system and is required to meet federal, regional, and electric industry reliability standards, which includes vegetation management. This requires a balance between the environmental benefits that trees provide with the responsibility to deliver safe and reliable power. Tall-growing trees located in electric transmission ROWs pose a risk to the safe operation of the system. Trees coming in contact with the energized transmission lines, or the structures that support them, can result in widespread electric power outages or other public safety issues. To maintain compliance with industry standards, minimize risk to public safety, enhance reliability, and improve system performance during severe weather events, Eversource has developed TRRP, which consists of tree removal within the ROW along the existing edge of clearing to increase the distance between the overhead transmission lines and the adjacent, unmaintained/forested vegetation.

The TRRP is a long-term transmission system reliability and resiliency program that increases the maintained width of the ROW to the easement edge or 100 feet from the outermost conductor, whichever is closer. This program improves system reliability by reducing the number of tree fall-in risks and has proven to be an effective way to create a sustainable environment comprised of vegetation that can safely coexist with the transmission lines. The long-term management objective is to manage these newly cleared areas as early succession habitat and encourage the growth of grasses, forbs and shrubs.

The proposed TRRP along this ROW will increase the maintained ROW width to up to approximately 200 feet by cutting trees from within the currently unmaintained/forested portions of the ROW, which increases the distance between the overhead transmission lines and the adjacent trees.

In addition, typical maintenance will also occur concurrently and will include:

- Floor cutting, which is clearing all incompatible woody vegetation to maintained floor/easement ROW

width. Woody vegetation is removed around all pole/tower structures, guide wires, gates/barriers and all “off road” access roads. Woody vegetation is removed 30 feet back from primary road crossings and/or ROW wooden barrier.

- Pruning tree limbs and hazard tree removal, which is required to ensure that vegetation does not contact or encroach within minimum distances of the energized transmission system.

There are existing established access roads within the ROW that will provide the primary access for construction work; no new access roads are proposed as part of this Project.

Describe the on-site project alternatives (and alternative off-site locations, if applicable), considered by the proponent, including at least one feasible alternative that is allowed under current zoning, and the reasons(s) that they were not selected as the preferred alternative:

NOTE: *The purpose of the alternatives analysis is to consider what effect changing the parameters and/or siting of a project, or components thereof, will have on the environment, keeping in mind that the objective of the MEPA review process is to avoid or minimize damage to the environment to the greatest extent feasible. Examples of alternative projects include alternative site locations, alternative site uses, and alternative site configurations.*

Tall-growing trees pose a serious safety hazard and risk to reliability given their potential to contact energized powerlines and infrastructure within a ROW. The Project purpose is therefore to remove incompatible woody vegetation from within 100 feet of the outside conductor, or to the edge of Eversource’s easement to maintain the necessary horizontal clearance between vegetation and the overhead transmission lines and minimize the risk of tree falls that could result in power outages or safety hazards.

Under a No-Build Alternative, no tree removal would occur within the currently unmaintained/forested portions of the ROW. The No-Build Alternative would avoid the temporary and permanent environmental impacts associated with the Project. However, by not completing the Project, potential immediate hazards caused by trees coming into contact with electric facilities, as well as those that can ensue from power outages, will not be addressed. Reliance upon the existing system is at higher risk due to the increasing severity of storms in recent years which increase the potential for nearby trees to interfere with the power lines. Extended power outages could occur as a result of time-consuming distribution transfer switching and dangerous transmission line repairs necessary to restore customers’ electric supply. Therefore, Eversource determined that the No-Build Alternative would not address the identified reliability need.

Since the work proposed is specific to vegetation management within the existing WT-11 ROW containing Line 354, alternative options are limited to the No-Build Alternative. There are no alternatives to TRRP that will serve the Project’s purpose and need.

Temporary impacts to wetlands resulting from temporary construction matting to access tree clearing areas have been minimized to the extent practicable. Eversource’s contractor, vegetation management team, and environmental consultants conducted a detailed constructability review of the entire ROW in January 2022 to identify locations where construction matting would be required; assess site-specific conditions to determine access; and review sensitive areas that may require specialized tree removal techniques, such as hand clearing, cutting of trees from equipment operating outside sensitive areas, and “drop and lop” techniques that would keep downed debris from being dragged out of sensitive areas. The proposed access and construction matting depicted in the WT-11 TRRP MEPA EENF Map Set in Attachment 2 represents the efforts of the constructability review team to avoid and minimize impacts.

Summarize the mitigation measures proposed to offset the impacts of the preferred alternative:

Eversource has carefully designed and sited the proposed Project to avoid and minimize environmental impacts. Existing access roads and other improved surfaces will be used by vehicles and equipment to the maximum extent practicable. Where crossing wetlands or watercourses is unavoidable, temporary access roads consisting of construction mats will be installed to minimize impacts to wetlands and waterbodies. Contractors will be required to use low-impact tree clearing methods that incorporate a variety of approaches to minimize site disturbance. Sediment and erosion controls and other best management practices (BMPs)

will be employed to minimize the potential for any adverse indirect environmental impacts. Any disturbed areas in wetlands or uplands will be restored and allowed to revegetate with compatible vegetation after tree work is complete.

Some permanent conversion of palustrine forested (PFO) wetlands to palustrine scrub-shrub (PSS) wetlands will occur as a result of tree removal. Eversource is currently working with state regulatory agencies, including the Massachusetts Department of Environmental Protection (MassDEP) and the Massachusetts Natural Heritage and Endangered Species Program (NHESP) to develop an appropriate mitigation plan. Additional information on impact avoidance and minimization is provided in Chapter 5, and mitigation measures proposed for the Project are provided in Chapter 7 of the Project Narrative in Attachment 8.

If the project is proposed to be constructed in phases, please describe each phase:

N/A. Although appropriate construction scheduling will be used to meet any required time-of-year restrictions developed in consultation with the regulatory authorities, the Project is not being proposed in phases.

AREAS OF CRITICAL ENVIRONMENTAL CONCERN:

Is the project within or adjacent to an Area of Critical Environmental Concern?

☐ Yes (Specify _____)
☒ No

if yes, does the ACEC have an approved Resource Management Plan? ____ Yes ____ No;
If yes, describe how the project complies with this plan.

Will there be stormwater runoff or discharge to the designated ACEC? ____ Yes ____ No;

If yes, describe and assess the potential impacts of such stormwater runoff/discharge to the designated ACEC.

RARE SPECIES:

Does the project site include Estimated and/or Priority Habitat of State-Listed Rare Species? (see http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/priority_habitat/priority_habitat_home.htm)

☒ Yes (Specify **Priority Habitat #'s 1488, 1316, 1276, 2084, 1238, and 1077. See Attachment 2 for mapped locations and Section 4.4.2 in the Project Narrative provided in Attachment 8 for detailed descriptions.**) ☐ No

HISTORICAL /ARCHAEOLOGICAL RESOURCES:

Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

☒ Yes (Specify see Section 4.7 of Project Narrative in Attachment 8) ☐ No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources? ☐ Yes (Specify _____) ☒ No

Review of the Inventory of Historic and Archaeological Assets of the Commonwealth indicates that several previously recorded historic and archaeological sites are located within and immediately adjacent to the Project area. Additional information regarding Eversource's approach to identify and protect historic and archaeological resources during the Project can be found in Section 4.7 of the Project Narrative in Attachment 8.

WATER RESOURCES:

Is there an Outstanding Resource Water (ORW) on or within a half-mile radius of the project site? X Yes
____ No;

if yes, identify the ORW and its location.

ORWs crossed by the Project include:

- **Nurse Brook and tributaries (public water supply watershed)**
- **Dean Brook and tributaries (public water supply watershed)**
- **Amethyst Brook and tributaries (public water supply watershed)**

- Higher Brook and tributaries (public water supply watershed)
- certified vernal pools in various locations along the ROW

See Attachment 2 for mapped locations and Section 4.2.2 in the Project Narrative provided in Attachment 8 for detailed descriptions.

(NOTE: Outstanding Resource Waters include Class A public water supplies, their tributaries, and bordering wetlands; active and inactive reservoirs approved by MassDEP; certain waters within Areas of Critical Environmental Concern, and certified vernal pools. Outstanding resource waters are listed in the Surface Water Quality Standards, 314 CMR 4.00.)

Are there any impaired water bodies on or within a half-mile radius of the project site? ☒ Yes ___ No; if yes, identify the water body and pollutant(s) causing the impairment:

Millers River: PCBs in fish tissue

Lyons Brook: PCBs in fish tissue

Weston Brook: phosphorous

Is the project within a medium or high stress basin, as established by the Massachusetts Water Resources Commission? ___ Yes ☒ No

STORMWATER MANAGEMENT:

Generally describe the project's stormwater impacts and measures that the project will take to comply with the standards found in MassDEP's Stormwater Management Regulations:

The Project will have negligible impacts on stormwater. No new impervious surfaces are proposed as a part of the Project. In addition, there will be no change in grade, slope, or elevation from the Project.

MASSACHUSETTS CONTINGENCY PLAN:

Has the project site been, or is it currently being, regulated under M.G.L.c.21E or the Massachusetts Contingency Plan? Yes ___ No ☒ ; if yes, please describe the current status of the site (including Release Tracking Number (RTN), cleanup phase, and Response Action Outcome classification): _____

Is there an Activity and Use Limitation (AUL) on any portion of the project site? Yes ___ No ☒ ; if yes, describe which portion of the site and how the project will be consistent with the AUL: _____

Are you aware of any Reportable Conditions at the property that have not yet been assigned an RTN? Yes ___ No ☒ ; if yes, please describe: _____

SOLID AND HAZARDOUS WASTE:

If the project will generate solid waste during demolition or construction, describe alternatives considered for re-use, recycling, and disposal of, e.g., asphalt, brick, concrete, gypsum, metal, wood: _____

(NOTE: Asphalt pavement, brick, concrete and metal are banned from disposal at Massachusetts landfills and waste combustion facilities and wood is banned from disposal at Massachusetts landfills. See 310 CMR 19.017 for the complete list of banned materials.)

Will your project disturb asbestos containing materials? Yes ___ No ☒ ; if yes, please consult state asbestos requirements at <http://mass.gov/MassDEP/air/asbhom01.htm>

Describe anti-idling and other measures to limit emissions from construction equipment:

Eversource will utilize standard construction procedures to limit emissions, which include no unnecessary idling.

DESIGNATED WILD AND SCENIC RIVER:

Is this project site located wholly or partially within a defined river corridor of a federally designated Wild and Scenic River or a state designated Scenic River? Yes ____ No **X** ;
if yes, specify name of river and designation:

If yes, does the project have the potential to impact any of the “outstandingly remarkable” resources of a federally Wild and Scenic River or the stated purpose of a state designated Scenic River? Yes ____ No ____ ; if yes, specify name of river and designation: _____;
if yes, will the project will result in any impacts to any of the designated “outstandingly remarkable” resources of the Wild and Scenic River or the stated purposes of a Scenic River.
Yes ____ No ____ ;
if yes, describe the potential impacts to one or more of the “outstandingly remarkable” resources or stated purposes and mitigation measures proposed.

ATTACHMENTS:

1. List of all attachments to this document.
 - **Attachment 1 – Project Location and USGS Topographic Maps**
 - **Attachment 2 – WT-11 TRRP MEPA EENF Map Set**
 - **Attachment 3 – Project Location Maps Relative to EJ Populations within 1 mile and 5 miles of the Project Site**
 - **Attachment 4 – Environmental Justice Screening Form and Distribution List**
 - **Attachment 5 – RMAAT Climate Resilience Design Standards Tool Output Report**
 - **Attachment 6 – EENF Distribution List**
 - **Attachment 7 – Permit and Consultation List**
 - **Attachment 8 – Expanded Environmental Notification Form Narrative**
 - **Attachment 9 – MHC Correspondence**
2. U.S.G.S. map (good quality color copy, 8-1/2 x 11 inches or larger, at a scale of 1:24,000) indicating the project location and boundaries.
See Attachment 1 for a USGS Locus Map.
3. Plan, at an appropriate scale, of existing conditions on the project site and its immediate environs, showing all known structures, roadways and parking lots, railroad rights-of-way, wetlands and water bodies, wooded areas, farmland, steep slopes, public open spaces, and major utilities.
See Attachment 2 for the WT-11 TRRP MEPA EENF Map Set.
4. Plan, at an appropriate scale, depicting environmental constraints on or adjacent to the project site such as Priority and/or Estimated Habitat of state-listed rare species, Areas of Critical Environmental Concern, Chapter 91 jurisdictional areas, Article 97 lands, wetland resource area delineations, water supply protection areas, and historic resources and/or districts.
See Attachment 2 for WT-11 TRRP MEPA EENF Map Set.
5. Plan, at an appropriate scale, of proposed conditions upon completion of project (if construction of the project is proposed to be phased, there should be a site plan showing conditions upon the completion of each phase).
See Attachment 2 for WT-11 TRRP MEPA EENF Map Set.
6. List of all agencies and persons to whom the proponent circulated the ENF, in accordance with 301 CMR 11.16(2).
See Attachment 6 for a Distribution List of all agencies and persons whom the EENF has been circulated, in accordance with 301 CMR 11.16(2).
7. List of municipal and federal permits and reviews required by the project, as applicable.
See Attachment 7 for a Permit and Consultation List.
8. Printout of output report from RMAAT Climate Resilience Design Standards Tool, available [here](#).
See Attachment 5 for the RMAAT Climate Resilience Design Standards Tool Output Report.
9. Printout from the EEA [EJ Maps Viewer](#) showing the project location relative to Environmental Justice (EJ) Populations located in whole or in part within a 1-mile and 5-mile radius of the project site.
See Figure 1 in Attachment 3 for EEA EJ Map.

LAND SECTION – all proponents must fill out this section

I. Thresholds / Permits

A. Does the project meet or exceed any review thresholds related to **land** (see 301 CMR 11.03(1) X Yes ___ No; if yes, specify each threshold:

(a) ENF and Mandatory EIR.

1. Direct alteration of 50 or more acres of land.

II. Impacts and Permits

A. Describe, in acres, the current and proposed character of the project site, as follows:

The Project site is a 29.3 mile long electrical transmission corridor with a 300-foot-wide ROW. Alteration of land as a result of the Project will be confined to the removal of trees, resulting in the conversion of forested land to successional scrub/shrub habitat.

	Existing	Change	Total
Footprint of buildings	_____	_____	_____
Internal roadways	_____	_____	_____
Parking and other paved areas	_____	_____	_____
Other altered areas ¹	444	+224	668
Undeveloped areas ²	621	-224	397
Total: Project Site Acreage³	1,065	0	1,065

¹ Other altered areas = maintained ROW corridor (29.3 mi x maintained width)

² Undeveloped areas = unmaintained ROW corridor (29.3 mi x unmaintained width)

³ Total: Project Site Acreage = Total ROW (29.3 mi x 300' avg width)

B. Has any part of the project site been in active agricultural use in the last five years?

X Yes ___ No; if yes, how many acres of land in agricultural use (with prime state or locally important agricultural soils) will be converted to nonagricultural use? **None**

C. Is any part of the project site currently or proposed to be in active forestry use?

___ Yes X No; if yes, please describe current and proposed forestry activities and indicate whether any part of the site is the subject of a forest management plan approved by the Department of Conservation and Recreation: **Eversource has not enrolled its easements in a DCR-approved forest management plan. During the course of normal project outreach, Eversource will determine if individual property owners plan to implement their own forest management plans.**

D. Does any part of the project involve conversion of land held for natural resources purposes in accordance with Article 97 of the Amendments to the Constitution of the Commonwealth to any purpose not in accordance with Article 97? ___ Yes X No; if yes, describe: **Project crosses Article 97 lands but is located within an existing legal utility easement; therefore it is not anticipated to require Article 97 land conversion.**

E. Is any part of the project site currently subject to a conservation restriction, preservation restriction, agricultural preservation restriction or watershed preservation restriction? X Yes ___ No; if yes, does the project involve the release or modification of such restriction? ___ Yes X No; if yes, describe: **Although CRs and/or APRs may be crossed, the Project is located within existing easement and will not require the release or modification of such restrictions. Eversource will coordinate with individual landowners during the course of normal project outreach to address landowner concerns or requests.**

F. Does the project require approval of a new urban redevelopment project or a fundamental change in an existing urban redevelopment project under M.G.L.c.121A? ___ Yes X No; if yes, describe:

G. Does the project require approval of a new urban renewal plan or a major modification of an existing urban renewal plan under M.G.L.c.121B? Yes ___ No X; if yes, describe:

III. Consistency

Each municipal or regional plan is reviewed in regard to economic development and adequacy of infrastructure goals. No open space impacts will result from the Project, since all work will be confined to a 200-foot-wide corridor within the existing maintained 300-foot-wide ROW. Since permanent impacts will be confined to the Project workspace, no impacts to adjacent land uses are anticipated.

A consistent initiative amongst the municipal and regional economic development plans involves protecting ecotourism resources while ensuring sufficient infrastructure, like electricity, is available to any potential new development. The Project is consistent with this goal in that it will improve reliability of the electricity distributed by the existing transmission line 354 to the surrounding communities. A list of municipal land use plans for each of the eleven towns crossed by the Project as well as applicable regional plans follows. Any additional goals within each plan, which relate to the goals of the Project, are described.

A. Northfield

Title: **A Master Plan for Northfield** Date: **January 31, 2014**

- economic development
The Master Plan for Northfield supports economic development via retail and commercial development and boosting industry and manufacturing while also promoting recreational, heritage, and ecotourism. Electricity distributed by WT-11 provides energy needs to the Main Street, where current development efforts are focused.
- adequacy of infrastructure
The limited infrastructure serving Main Street places some restriction on future development/redevelopment. Strategy 4.1.3 in Goal 4 of the plan to preserve and revitalize Main Street identifies a need to align infrastructure capacity with future demand. Improving reliability on electricity distributed to this area will ensure continued potential for development.

B. Erving

Title: **Town of Erving 2010 Open Space and Recreation Plan** Date: **June 2010**

Title: **Town of Erving Economic Development Chapter** Date: **January 15, 2013**

Title: **Town of Erving Local Natural Hazards Mitigation Plan** Date: **2011**

- economic development
One of the objectives in attaining Erving's goal to improve economic development is to address infrastructure issues that may jeopardize the retention or expansion of existing businesses.
- adequacy of infrastructure
Many natural hazards are identified as having potential to cause utility failure, including severe snow/ice storms. Mitigation efforts to help minimize damage to utility transmission lines, including a push to encourage underground utility distribution, are proposed. Where transmission wires cannot be buried, incompatible vegetation clearing around overhead wires will create a wider buffer zone to protect against damage from fallen trees.

C. Wendell

Title: **Wendell Community Development Plan** Date: **June 2004**

Title: **Town of Wendell Open Space And Recreation Plan** Date: **2010**

No goals in plan that relate to the goals of the Project were identified.

D. Montague

Title: **Town of Montague 2017 Open Space and Recreation Plan** Date: **2017**

Title: **Economic Development Plan 2014 Revision** Date: **May 2014**

Title: **Town of Montague Hazard Mitigation Plan** Date: **2020**

- adequacy of infrastructure
As recently as 2019, Montague center suffered damage from a microburst that caused more than 800 power outages. Table 3-22: Thunderstorm Wind Events in Montague, identifies downed trees and wires as contributing to the cost of nearly \$158,000 in property damage since 1994. To address mitigation of severe storms, Table 4-3: 2020 Montague Hazard Mitigation Prioritized Action Plan lists a critical facilities and infrastructure goal to work with utility companies to establish standards for an annual tree pruning program to reduce risk to infrastructure from severe storms. Montague expects this mitigation to be ongoing and noted that Eversource had recently cleared trees around power lines in town. The Project directly contributes to this goal by continuing the work to ensure a safe distance exists between tall growing vegetation and energy infrastructure.

E. Leverett

Title: **Town of Leverett, MA 2010 Open Space and Recreation Plan Update** Date: **2010**

No goals in plan that relate to the goals of the Project were identified.

F. Shutesbury

Title: **Shutesbury Master Plan** Date: **2004, last updated November 13, 2017**

No goals in plan that relate to the goals of the Project were identified.

G. Pelham

Title: **Pelham Master Plan** Date: **1997**

No goals in plan that relate to the goals of the Project were identified.

H. Belchertown

Title: **Town of Belchertown Community Resilience Building Workshop** Date: **April 2018**

Title: **Belchertown Community Plan** Date: **2009**

Title: **Town of Belchertown Hazard Mitigation Plan Update** Date: **2016**

- adequacy of infrastructure
The findings of the Community Resilience Building Workshop point out that severe thunderstorms have a high probability of occurrence (40-70% chance per year) in Belchertown. With the increasing frequency and severity of storms, as well as other forestry related climate threats, climate resiliency efforts must address the potential for downed trees to cause damage to electric infrastructure. The town recognizes that efforts made by electric utilities to invest time and money into clearing hazard trees were a benefit which improved Belchertown's ability to depend on the electrical system.

I. Amherst

Title: **Amherst Master Plan** Date: **November 9, 2020**

- adequacy of infrastructure
Idea gathering initiatives for the Amherst Master Plan include several requests to incorporate more electric transportation options, including town and school busses, that would rely on dependable electric power.

J. Granby

Title: **Granby Master Plan** Date: **March 2017**

No goals in plan that relate to the goals of the Project were identified.

K. Ludlow

Title: **Town of Ludlow Master Plan** Date: **December 2009**

No goals in plan that relate to the goals of the Project were identified.

L. Regional Planning Agency (RPA): Franklin Regional Council of Governments
Title: Franklin County's Regional Plan for Sustainable Development Date: June 2013

1) adequacy of infrastructure:

Electricity demand is projected to rise more than 40% by 2030. With initiatives to transition to more renewable energy options, a reliance on the current energy infrastructure is imperative. Chapter four notes that impacts from recent storms in the region have helped demonstrate the fragility of the electricity infrastructure and the need for utilities to shore up their emergency preparedness plans, recalling the 2011 Halloween storm that left many residents without electricity for up to a week. Franklin County is susceptible to severe ice and snow storms, as well as micro bursts and other wind-related storms, which frequently cause downed trees and power lines. The Project is designed to meet these infrastructure reliability needs.

M. RPA: Pioneer Valley Planning Commission
Title: Valley Vision 4: The Regional Land Use Plan for the Pioneer Valley Date: February 2014

No goals in plan that relate to the goals of the Project were identified.

RARE SPECIES SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **rare species or habitat** (see 301 CMR 11.03(2))? X Yes No; if yes, specify, in quantitative terms:

The Project will result in 112 acres of permanent tree clearing and 4 acres of temporary construction matting in priority habitat of state-listed rare species. Eversource is coordinating with NHESP on this Project. Based on consultation with NHESP, a Conservation Management Permit and appropriate mitigation will be required.

(NOTE: If you are uncertain, it is recommended that you consult with the Natural Heritage and Endangered Species Program (NHESP) prior to submitting the ENF.)

B. Does the project require any state permits related to **rare species or habitat**? X Yes No

C. Does the project site fall within mapped rare species habitat (Priority or Estimated Habitat?) in the current Massachusetts Natural Heritage Atlas (attach relevant page)? X Yes No.

D. If you answered "No" to all questions A, B and C, proceed to the **Wetlands, Waterways, and Tidelands Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Rare Species section below.

II. Impacts and Permits

A. Does the project site fall within Priority or Estimated Habitat in the current Massachusetts Natural Heritage Atlas (attach relevant page)? X Yes No. If yes,

1. Have you consulted with the Division of Fisheries and Wildlife Natural Heritage and Endangered Species Program (NHESP)? X Yes No; if yes, have you received a determination as to whether the project will result in the "take" of a rare species? Yes X No; if yes, attach the letter of determination to this submission.

2. Will the project "take" an endangered, threatened, and/or species of special concern in accordance with M.G.L. c.131A (see also 321 CMR 10.04)? X Yes No; if yes, provide a summary of proposed measures to minimize and mitigate rare species impacts

Based on preliminary consultation with NHESP, the Project is likely to result in a "Take" Determination and will require the filing of a Conservation Management Permit.

3. Which rare species are known to occur within the Priority or Estimated Habitat?

Eastern box turtle (*Terrapene carolina*)

Marbled salamander (*Ambystoma opacum*)

Wood turtle (*Glyptemys insculpta*)

Climbing fern (*Lygodium palmatum*)

4. Has the site been surveyed for rare species in accordance with the Massachusetts Endangered Species Act? X Yes No

The area has been previously surveyed for other projects and the species are known to occur in this area. Species-specific surveys for the climbing fern were completed in February and April 2022.

4. If your project is within Estimated Habitat, have you filed a Notice of Intent or received an Order of Conditions for this project? Yes X No; if yes, did you send a copy of the Notice of Intent to the Natural Heritage and Endangered Species Program, in accordance with the Wetlands Protection Act regulations? Yes No

Notices of Intent are anticipated to be filed with the Conservation Commissions following the MEPA process. A copy of the NOIs will be filed with the NHESP at that time.

B. Will the project "take" an endangered, threatened, and/or species of special concern in accordance with M.G.L. c.131A (see also 321 CMR 10.04)? X Yes No; if yes, provide a summary of proposed measures to minimize and mitigate impacts to significant habitat:

WETLANDS, WATERWAYS, AND TIDELANDS SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **wetlands, waterways, and tidelands** (see 301 CMR 11.03(3))? **X** Yes ___ No; if yes, specify, in quantitative terms:

(a) ENF and Mandatory EIR.

1. Provided that a Permit is required:

a. alteration of one or more acres of salt marsh or bordering vegetated wetlands; or

b. alteration of ten or more acres of any other wetland

See table in Section IIC below for specific impacts.

B. Does the project require any state permits (or a local Order of Conditions) related to **wetlands, waterways, or tidelands**? **X** Yes ___ No; if yes, specify which permit:

- **Local Order of Conditions under the Massachusetts Wetlands Protection Act**
- **DEP 401 Water Quality Certification**

C. If you answered "No" to both questions A and B, proceed to the **Water Supply Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Wetlands, Waterways, and Tidelands Section below.

II. Wetlands Impacts and Permits

A. Does the project require a new or amended Order of Conditions under the Wetlands Protection Act (M.G.L. c.131A)? **X** Yes ___ No; if yes, has a Notice of Intent been filed? ___ Yes **X** No; if yes, list the date and MassDEP file number: _____; if yes, has a local Order of Conditions been issued? ___ Yes ___ No; Was the Order of Conditions appealed? ___ Yes ___ No. Will the project require a Variance from the Wetlands regulations? ___ Yes **X** No.

Notices of Intent will be filed in Summer 2022.

B. Describe any proposed permanent or temporary impacts to wetland resource areas located on the project site:

Permanent impacts to wetland resource areas consists of the permanent conversion of forested land to scrub-shrub habitat. Temporary impacts consist of the temporary placement of construction matting for access. Impacts to resource areas are quantified in Part C below.

C. Estimate the extent and type of impact that the project will have on wetland resources, and indicate whether the impacts are temporary or permanent:

<u>Coastal Wetlands</u>	<u>Area (square feet) or Length (linear feet)</u>	<u>Temporary or Permanent Impact?</u>
Land Under the Ocean	<u>0</u>	<u>N/A</u>
Designated Port Areas	<u>0</u>	<u>N/A</u>
Coastal Beaches	<u>0</u>	<u>N/A</u>
Coastal Dunes	<u>0</u>	<u>N/A</u>
Barrier Beaches	<u>0</u>	<u>N/A</u>
Coastal Banks	<u>0</u>	<u>N/A</u>
Rocky Intertidal Shores	<u>0</u>	<u>N/A</u>
Salt Marshes	<u>0</u>	<u>N/A</u>
Land Under Salt Ponds	<u>0</u>	<u>N/A</u>
Land Containing Shellfish	<u>0</u>	<u>N/A</u>
Fish Runs	<u>0</u>	<u>N/A</u>
Land Subject to Coastal Storm Flowage	<u>0</u>	<u>N/A</u>
<u>Inland Wetlands</u>		
Bank (lf)	<u>18,073</u>	<u>Permanent (conversion)</u>
	<u>560</u>	<u>Temporary (matting)</u>

Bordering Vegetated Wetlands	<u>1,494,916</u>	<u>Permanent (conversion)</u>
	<u>365,336</u>	<u>Temporary (mats)</u>
Isolated Vegetated Wetlands	<u>86,038</u>	<u>Permanent (conversion)</u>
	<u>10,847</u>	<u>Temporary (mats)</u>
Land under Water	<u>0</u>	<u>N/A</u>
Isolated Land Subject to Flooding	<u>0</u>	<u>N/A</u>
Bordering Land Subject to Flooding	<u>364,858</u>	<u>Permanent (conversion)</u>
	<u>64,978</u>	<u>Temporary (mats)</u>
Riverfront Area	<u>1,484,242</u>	<u>Permanent (conversion)</u>
	<u>84,579</u>	<u>Temporary (mats)</u>

D. Is any part of the project:

1. proposed as a **limited project**? X Yes ___ No; if yes, what is the area (in sf)? All of the Project wetland impacts are proposed as a limited project under 310 CMR 10.53(3)(d).
2. the construction or alteration of a **dam**? ___ Yes X No; if yes, describe:
3. fill or structure in a **velocity zone** or **regulatory floodway**? ___ Yes X No
4. dredging or disposal of dredged material? ___ Yes X No; if yes, describe the volume of dredged material and the proposed disposal site:
5. a discharge to an **Outstanding Resource Water (ORW)** or an **Area of Critical Environmental Concern (ACEC)**? X Yes ___ No
6. subject to a wetlands restriction order? ___ Yes X No; if yes, identify the area (in sf):
7. located in buffer zones? X Yes ___ No; if yes, how much (in sf) 63,237 sf (temp. mats) and 4,850,078 sf (permanent conversion)

E. Will the project:

1. be subject to a local wetlands ordinance or bylaw? X Yes ___ No
2. alter any federally-protected wetlands not regulated under state law? X Yes ___ No; if yes, what is the area (sf)? 10,847 sf (temp. mats) and 86,038 sf (permanent conversion) to isolated vegetated wetlands

III. Waterways and Tidelands Impacts and Permits

A. Does the project site contain waterways or tidelands (including filled former tidelands) that are subject to the Waterways Act, M.G.L.c.91? ___ Yes X No; if yes, is there a current Chapter 91 License or Permit affecting the project site? ___ Yes ___ No; if yes, list the date and license or permit number and provide a copy of the historic map used to determine extent of filled tidelands:

B. Does the project require a new or modified license or permit under M.G.L.c.91? ___ Yes X No; if yes, how many acres of the project site subject to M.G.L.c.91 will be for non-water-dependent use?

Current ___ Change ___ Total ___

If yes, how many square feet of solid fill or pile-supported structures (in sf)?

C. For non-water-dependent use projects, indicate the following:

Area of filled tidelands on the site: N/A

Area of filled tidelands covered by buildings: N/A

For portions of site on filled tidelands, list ground floor uses and area of each use:

N/A

Does the project include new non-water-dependent uses located over flowed tidelands?

Yes ___ No X

Height of building on filled tidelands N/A

Also show the following on a site plan: Mean High Water, Mean Low Water, Water-dependent Use Zone, location of uses within buildings on tidelands, and interior and exterior areas and facilities dedicated for public use, and historic high and historic low water marks.

D. Is the project located on landlocked tidelands? ___ Yes X No; if yes, describe the project's impact on the public's right to access, use and enjoy jurisdictional tidelands and describe measures the project will implement to avoid, minimize or mitigate any adverse impact:

E. Is the project located in an area where low groundwater levels have been identified by a municipality or by a state or federal agency as a threat to building foundations? ___ Yes X No; if yes, describe the project's impact on groundwater levels and describe measures the project will implement to avoid, minimize or mitigate any adverse impact:

F. Is the project non-water-dependent **and** located on landlocked tidelands **or** waterways or tidelands subject to the Waterways Act **and** subject to a mandatory EIR? ___ Yes X No;
(NOTE: If yes, then the project will be subject to Public Benefit Review and Determination.)

G. Does the project include dredging? ___ Yes X No; if yes, answer the following questions:
What type of dredging? Improvement ___ Maintenance ___ Both ___
What is the proposed dredge volume, in cubic yards (cys) ___
What is the proposed dredge footprint ___ length (ft) ___ width (ft) ___ depth (ft);
Will dredging impact the following resource areas?
Intertidal Yes ___ No ___; if yes, ___ sq ft
Outstanding Resource Waters Yes ___ No ___; if yes, ___ sq ft
Other resource area (i.e. shellfish beds, eel grass beds) Yes ___ No ___; if yes ___ sq ft
If yes to any of the above, have you evaluated appropriate and practicable steps to: 1) avoidance; 2) if avoidance is not possible, minimization; 3) if either avoidance or minimization is not possible, mitigation?
If no to any of the above, what information or documentation was used to support this determination?

Provide a comprehensive analysis of practicable alternatives for improvement dredging in accordance with 314 CMR 9.07(1)(b). Physical and chemical data of the sediment shall be included in the comprehensive analysis.

Sediment Characterization

Existing gradation analysis results? ___ Yes ___ No; if yes, provide results.

Existing chemical results for parameters listed in 314 CMR 9.07(2)(b)6? ___ Yes ___ No; if yes, provide results.

Do you have sufficient information to evaluate feasibility of the following management options for dredged sediment? If yes, check the appropriate option.

Beach Nourishment ___

Unconfined Ocean Disposal ___

Confined Disposal:

Confined Aquatic Disposal (CAD) ___

Confined Disposal Facility (CDF) ___

Landfill Reuse in accordance with COMM-97-001 ___

Shoreline Placement ___

Upland Material Reuse ___

In-State landfill disposal ___

Out-of-state landfill disposal ___

(NOTE: This information is required for a 401 Water Quality Certification.)

IV. Consistency:

A. Does the project have effects on the coastal resources or uses, and/or is the project located within the Coastal Zone? ___ Yes X No; if yes, describe these effects and the projects consistency with the policies of the Office of Coastal Zone Management:

B. Is the project located within an area subject to a Municipal Harbor Plan? ___ Yes X No; if yes, identify the Municipal Harbor Plan and describe the project's consistency with that plan:

WATER SUPPLY SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **water supply** (see 301 CMR 11.03(4))? ___ Yes **X** No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **water supply**? ___ Yes **X** No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Wastewater Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Water Supply Section below.

II. Impacts and Permits

A. Describe, in gallons per day (gpd), the volume and source of water use for existing and proposed activities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Municipal or regional water supply	_____	_____	_____
Withdrawal from groundwater	_____	_____	_____
Withdrawal from surface water	_____	_____	_____
Interbasin transfer	_____	_____	_____

(NOTE: Interbasin Transfer approval will be required if the basin and community where the proposed water supply source is located is different from the basin and community where the wastewater from the source will be discharged.)

B. If the source is a municipal or regional supply, has the municipality or region indicated that there is adequate capacity in the system to accommodate the project? ___ Yes ___ No

C. If the project involves a new or expanded withdrawal from a groundwater or surface water source, has a pumping test been conducted? ___ Yes ___ No; if yes, attach a map of the drilling sites and a summary of the alternatives considered and the results. _____

D. What is the currently permitted withdrawal at the proposed water supply source (in gallons per day)? Will the project require an increase in that withdrawal? ___ Yes ___ No; if yes, then how much of an increase (gpd)? _____

E. Does the project site currently contain a water supply well, a drinking water treatment facility, water main, or other water supply facility, or will the project involve construction of a new facility? ___ Yes ___ No. If yes, describe existing and proposed water supply facilities at the project site:

	<u>Permitted Flow</u>	<u>Existing Avg Daily Flow</u>	<u>Project Flow</u>	<u>Total</u>
Capacity of water supply well(s) (gpd)	_____	_____	_____	_____
Capacity of water treatment plant (gpd)	_____	_____	_____	_____

F. If the project involves a new interbasin transfer of water, which basins are involved, what is the direction of the transfer, and is the interbasin transfer existing or proposed?

G. Does the project involve:

1. new water service by the Massachusetts Water Resources Authority or other agency of the Commonwealth to a municipality or water district? ___ Yes ___ No
2. a Watershed Protection Act variance? ___ Yes ___ No; if yes, how many acres of alteration?
3. a non-bridged stream crossing 1,000 or less feet upstream of a public surface drinking water supply for purpose of forest harvesting activities? ___ Yes ___ No

III. Consistency

Describe the project's consistency with water conservation plans or other plans to enhance water resources, quality, facilities and services:

WASTEWATER SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **wastewater** (see 301 CMR 11.03(5))? ___ Yes **X** No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **wastewater**? ___ Yes **X** No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Transportation -- Traffic Generation Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Wastewater Section below.

II. Impacts and Permits

A. Describe the volume (in gallons per day) and type of disposal of wastewater generation for existing and proposed activities at the project site (calculate according to 310 CMR 15.00 for septic systems or 314 CMR 7.00 for sewer systems):

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Discharge of sanitary wastewater	_____	_____	_____
Discharge of industrial wastewater	_____	_____	_____
TOTAL	_____	_____	_____
	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Discharge to groundwater	_____	_____	_____
Discharge to outstanding resource water	_____	_____	_____
Discharge to surface water	_____	_____	_____
Discharge to municipal or regional wastewater facility	_____	_____	_____
TOTAL	_____	_____	_____

B. Is the existing collection system at or near its capacity? ___ Yes ___ No; if yes, then describe the measures to be undertaken to accommodate the project's wastewater flows:

C. Is the existing wastewater disposal facility at or near its permitted capacity? ___ Yes ___ No; if yes, then describe the measures to be undertaken to accommodate the project's wastewater flows:

D. Does the project site currently contain a wastewater treatment facility, sewer main, or other wastewater disposal facility, or will the project involve construction of a new facility? ___ Yes ___ No; if yes, describe as follows:

	<u>Permitted</u>	<u>Existing Avg Daily Flow</u>	<u>Project Flow</u>	<u>Total</u>
Wastewater treatment plant capacity (in gallons per day)	_____	_____	_____	_____

E. If the project requires an interbasin transfer of wastewater, which basins are involved, what is the direction of the transfer, and is the interbasin transfer existing or new?

(NOTE: Interbasin Transfer approval may be needed if the basin and community where wastewater will

be discharged is different from the basin and community where the source of water supply is located.)

F. Does the project involve new sewer service by the Massachusetts Water Resources Authority (MWRA) or other Agency of the Commonwealth to a municipality or sewer district? ____ Yes ____ No

G. Is there an existing facility, or is a new facility proposed at the project site for the storage, treatment, processing, combustion or disposal of sewage sludge, sludge ash, grit, screenings, wastewater reuse (gray water) or other sewage residual materials? ____ Yes ____ No; if yes, what is the capacity (tons per day):

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Storage	_____	_____	_____
Treatment	_____	_____	_____
Processing	_____	_____	_____
Combustion	_____	_____	_____
Disposal	_____	_____	_____

H. Describe the water conservation measures to be undertaken by the project, and other wastewater mitigation, such as infiltration and inflow removal.

III. Consistency

- A. Describe measures that the proponent will take to comply with applicable state, regional, and local plans and policies related to wastewater management:
- B. If the project requires a sewer extension permit, is that extension included in a comprehensive wastewater management plan? ____ Yes ____ No; if yes, indicate the EEA number for the plan and whether the project site is within a sewer service area recommended or approved in that plan:

TRANSPORTATION SECTION (TRAFFIC GENERATION)

I. Thresholds / Permit

A. Will the project meet or exceed any review thresholds related to **traffic generation** (see 301 CMR 11.03(6))? ____ Yes **X** No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **state-controlled roadways**? ____ Yes **X** No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Roadways and Other Transportation Facilities Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Traffic Generation Section below.

II. Traffic Impacts and Permits

A. Describe existing and proposed vehicular traffic generated by activities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Number of parking spaces	_____	_____	_____
Number of vehicle trips per day	_____	_____	_____
ITE Land Use Code(s):	_____	_____	_____

B. What is the estimated average daily traffic on roadways serving the site?

<u>Roadway</u>	<u>Existing</u>	<u>Change</u>	<u>Total</u>
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

C. If applicable, describe proposed mitigation measures on state-controlled roadways that the project proponent will implement:

D. How will the project implement and/or promote the use of transit, pedestrian and bicycle facilities and services to provide access to and from the project site?

C. Is there a Transportation Management Association (TMA) that provides transportation demand management (TDM) services in the area of the project site? ____ Yes ____ No; if yes, describe if and how will the project will participate in the TMA:

D. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation facilities? ____ Yes ____ No; if yes, generally describe:

E. If the project will penetrate approach airspace of a nearby airport, has the proponent filed a Massachusetts Aeronautics Commission Airspace Review Form (780 CMR 111.7) and a Notice of Proposed Construction or Alteration with the Federal Aviation Administration (FAA) (CFR Title 14 Part 77.13, forms 7460-1 and 7460-2)?

III. Consistency

Describe measures that the proponent will take to comply with municipal, regional, state, and federal plans and policies related to traffic, transit, pedestrian and bicycle transportation facilities and services:

TRANSPORTATION SECTION (ROADWAYS AND OTHER TRANSPORTATION FACILITIES)

I. Thresholds

A. Will the project meet or exceed any review thresholds related to **roadways or other transportation facilities** (see 301 CMR 11.03(6))? ___ Yes **X** No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **roadways or other transportation facilities**? **X** Yes ___ No; if yes, specify which permit: **Project may require a MassDOT State Highway Access Permit**

C. If you answered "No" to both questions A and B, proceed to the **Energy Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Roadways Section below.

II. Transportation Facility Impacts

A. Describe existing and proposed transportation facilities in the immediate vicinity of the project site:

See narrative section 4.5 and 5.5 (Attachment 8).

B. Will the project involve any

1. Alteration of bank or terrain (in linear feet)?

N/A

2. Cutting of living public shade trees (number)?

TBD

3. Elimination of stone wall (in linear feet)?

0

III. Consistency -- Describe the project's consistency with other federal, state, regional, and local plans and policies related to traffic, transit, pedestrian and bicycle transportation facilities and services, including consistency with the applicable regional transportation plan and the Transportation Improvements Plan (TIP), the State Bicycle Plan, and the State Pedestrian Plan:

The project will have no long-term impact on regional plans related to vehicular, bicycle, or pedestrian use of public roads.

ENERGY SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **energy** (see 301 CMR 11.03(7))?
___ Yes **X** No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **energy**? ___ Yes **X** No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Air Quality Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Energy Section below.

II. Impacts and Permits

A. Describe existing and proposed energy generation and transmission facilities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Capacity of electric generating facility (megawatts)	_____	_____	_____
Length of fuel line (in miles)	_____	_____	_____
Length of transmission lines (in miles)	_____	_____	_____
Capacity of transmission lines (in kilovolts)	_____	_____	_____

B. If the project involves construction or expansion of an electric generating facility, what are:

1. the facility's current and proposed fuel source(s)?
2. the facility's current and proposed cooling source(s)?

C. If the project involves construction of an electrical transmission line, will it be located on a new, unused, or abandoned right of way? ___ Yes ___ No; if yes, please describe:

D. Describe the project's other impacts on energy facilities and services:

III. Consistency

Describe the project's consistency with state, municipal, regional, and federal plans and policies for enhancing energy facilities and services:

AIR QUALITY SECTION

I. Thresholds

A. Will the project meet or exceed any review thresholds related to **air quality** (see 301 CMR 11.03(8))? ____ Yes **X** No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **air quality**? ____ Yes **X** No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Solid and Hazardous Waste Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Air Quality Section below.

II. Impacts and Permits

A. Does the project involve construction or modification of a major stationary source (see 310 CMR 7.00, Appendix A)? ____ Yes ____ No; if yes, describe existing and proposed emissions (in tons per day) of:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Particulate matter	_____	_____	_____
Carbon monoxide	_____	_____	_____
Sulfur dioxide	_____	_____	_____
Volatile organic compounds	_____	_____	_____
Oxides of nitrogen	_____	_____	_____
Lead	_____	_____	_____
Any hazardous air pollutant	_____	_____	_____
Carbon dioxide	_____	_____	_____

B. Describe the project's other impacts on air resources and air quality, including noise impacts:

III. Consistency

A. Describe the project's consistency with the State Implementation Plan:

B. Describe measures that the proponent will take to comply with other federal, state, regional, and local plans and policies related to air resources and air quality:

SOLID AND HAZARDOUS WASTE SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **solid or hazardous waste** (see 301 CMR 11.03(9))? ___ Yes **X** No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **solid and hazardous waste**? ___ Yes **X** No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Historical and Archaeological Resources Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Solid and Hazardous Waste Section below.

II. Impacts and Permits

A. Is there any current or proposed facility at the project site for the storage, treatment, processing, combustion or disposal of solid waste? ___ Yes ___ No; if yes, what is the volume (in tons per day) of the capacity:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Storage	_____	_____	_____
Treatment, processing	_____	_____	_____
Combustion	_____	_____	_____
Disposal	_____	_____	_____

B. Is there any current or proposed facility at the project site for the storage, recycling, treatment or disposal of hazardous waste? ___ Yes ___ No; if yes, what is the volume (in tons or gallons per day) of the capacity:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Storage	_____	_____	_____
Recycling	_____	_____	_____
Treatment	_____	_____	_____
Disposal	_____	_____	_____

C. If the project will generate solid waste (for example, during demolition or construction), describe alternatives considered for re-use, recycling, and disposal:

D. If the project involves demolition, do any buildings to be demolished contain asbestos?
___ Yes ___ No

E. Describe the project's other solid and hazardous waste impacts (including indirect impacts):

III. Consistency

Describe measures that the proponent will take to comply with the State Solid Waste Master Plan:

HISTORICAL AND ARCHAEOLOGICAL RESOURCES SECTION

I. Thresholds / Impacts

A. Have you consulted with the Massachusetts Historical Commission? X Yes No; if yes, attach correspondence. **(Attachment 9)** For project sites involving lands under water, have you consulted with the Massachusetts Board of Underwater Archaeological Resources? Yes X No; if yes, attach correspondence **N/A**

B. Is any part of the project site a historic structure, or a structure within a historic district, in either case listed in the State Register of Historic Places or the Inventory of Historic and Archaeological Assets of the Commonwealth? X Yes No; if yes, does the project involve the demolition of all or any exterior part of such historic structure? Yes X No; if yes, please describe:

C. Is any part of the project site an archaeological site listed in the State Register of Historic Places or the Inventory of Historic and Archaeological Assets of the Commonwealth? X Yes No; if yes, does the project involve the destruction of all or any part of such archaeological site? Yes X No; if yes, please describe:

D. If you answered "No" to all parts of both questions A, B and C, proceed to the **Attachments and Certifications** Sections. If you answered "Yes" to any part of either question A or question B, fill out the remainder of the Historical and Archaeological Resources Section below.

II. Impacts

Describe and assess the project's impacts, direct and indirect, on listed or inventoried historical and archaeological resources:

Eversource's cultural resource consultant, The Public Archaeology Laboratory, Inc. (PAL) has conducted a cultural resource due diligence and archaeological sensitivity assessment to identify recorded historic and archaeological resources throughout the Project corridor and identify areas of archaeological sensitivity. Eversource does not anticipate that the Project will have any adverse effects on historic properties. However, if any significant historic or archaeological resources are identified within the Project impact footprint that are not able to be avoided, Eversource will consult with the MHC to avoid, minimize, or mitigate any adverse effects the Project may have on historic properties.

III. Consistency

Describe measures that the proponent will take to comply with federal, state, regional, and local plans and policies related to preserving historical and archaeological resources:

Eversource will implement best management practices (BMPs) to avoid impacting areas assessed as containing archaeological sensitivity. Eversource's BMPs to avoid ground disturbance during vegetation maintenance within areas of archaeological sensitivity include: no tree stumping, excavation, or grading; no tree felling on stone walls, cellar holes, or other surface features; and no stockpiling of brush or storing of equipment.

CLIMATE CHANGE ADAPTATION AND RESILIENCY SECTION

This section of the Environmental Notification Form (ENF) solicits information and disclosures related to climate change adaptation and resiliency, in accordance with the MEPA Interim Protocol on Climate Change Adaptation and Resiliency (the "MEPA Interim Protocol"), effective October 1, 2021. The Interim Protocol builds on the analysis and recommendations of the 2018 Massachusetts Integrated State Hazard Mitigation and Climate Adaptation Plan (SHMCAP) and incorporates the efforts of the Resilient Massachusetts Action Team (RMAT), the inter-agency steering committee responsible for implementation, monitoring, and maintenance of the SHMCAP, including the "Climate Resilience Design Standards and Guidelines" project. The RMAT team recently released the RMAT Climate Resilience Design Standards Tool, which is available [here](#).

The MEPA Interim Protocol is intended to gather project-level data in a standardized manner that will both inform the MEPA review process and assist the RMAT team in evaluating the accuracy and effectiveness of the RMAT Climate Resilience Design Standards Tool. Once this testing process is completed, the MEPA Office anticipates developing a formal Climate Change Adaptation and Resiliency Policy through a public stakeholder process. Questions about the RMAT Climate Resilience Design Standards Tool can be directed to rmat@mass.gov.

All Proponents must complete the following section, referencing as appropriate the results of the output report generated by the RMAT Climate Resilience Design Standards Tool and attached to the ENF. In completing this section, Proponents are encouraged, but not required at this time, to utilize the recommended design standards and associated Tier 1/2/3 methodologies outlined in the RMAT Climate Resilience Design Standards Tool to analyze the project design. However, Proponents are requested to respond to a [user feedback survey](#) on the RMAT website or to provide feedback to rmat@mass.gov, which will be used by the RMAT team to further refine the tool. Proponents are also encouraged to consult general guidance and best practices as described in the [RMAT Climate Resilience Design Guidelines](#).

Climate Change Adaptation and Resiliency Strategies

- I. Has the project taken measures to adapt to climate change for all of the climate parameters analyzed in the RMAT Climate Resilience Design Standards Tool (sea level rise/storm surge, extreme precipitation (urban or riverine flooding), extreme heat)? ☒ Yes ☐ No

Note: Climate adaptation and resiliency strategies include actions that seek to reduce vulnerability to anticipated climate risks and improve resiliency for future climate conditions. Examples of climate adaptation and resiliency strategies include flood barriers, increased stormwater infiltration, living shorelines, elevated infrastructure, increased tree canopy, etc. Projects should address any planning priorities identified by the affected municipality through the Municipal Vulnerability Preparedness (MVP) program or other planning efforts, and should consider a flexible adaptive pathways approach, an adaptation best practice that encourages design strategies that adapt over time to respond to changing climate conditions. General guidance and best practices for designing for climate risk are described in the [RMAT Climate Resilience Design Guidelines](#).

A. If no, explain why.

- C. If yes, describe the measures the project will take, including identifying the planning horizon and climate data used in designing project components. If applicable, specify the return period and design storm used (e.g., 100-year, 24-hour storm).

See Flexible Adaptation Pathways in Section 6.1.2.2 in the Project Narrative provided in Attachment 8.

- D. Is the project contributing to regional adaptation strategies? ☒ Yes ☐ No; If yes, describe.
See Regional Coordination in Section 6.1.2.1 in the Project Narrative provided in Attachment 8.

- II. Has the Proponent considered alternative locations for the project in light of climate change risks?
___ Yes **X** No

A. If no, explain why.

The Project location is specific to an existing transmission line that requires additional vegetation management.

B. If yes, describe alternatives considered.

- III. Is the project located in Land Subject to Coastal Storm Flowage (LSCSF) or Bordering Land Subject to Flooding (BLSF) as defined in the Wetlands Protection Act? **X** Yes ___ No

If yes, describe how/whether proposed changes to the site's topography (including the addition of fill) will result in changes to floodwater flow paths and/or velocities that could impact adjacent properties or the functioning of the floodplain. General guidance on providing this analysis can be found in the CZM/MassDEP Coastal Wetlands Manual, available [here](#).

No changes to the site's topography or additional impervious areas will be produced as a result of the Project, so permanent impacts to the flood-storage capacity are not anticipated. All temporarily impacted areas will be restored to prework topographic conditions and drainage patterns once the Project is complete. While work is in progress, strict adherence to Eversource's *Best Management Practices Manual for Massachusetts and Connecticut (April 2022)*. The following are some of the methods that Eversource will use during construction to minimize floodplain impacts:

- **Minimize the quantity and duration of soil exposure.**
- **Install construction mats in wetlands to minimize soil rutting and compaction of wet soils.**
- **Install additional erosion controls where site-specific conditions and/or weather conditions warrant, as identified by an environmental monitor.**
- **Reestablish vegetation as soon as possible following construction mat removal.**
- **Inspect the ROW and maintain erosion and sediment controls as necessary until final stabilization is achieved.**

Eversource's BMP Manual is available at the following website:

https://www.eversource.com/content/docs/default-source/builders-contractors/bmp-manual.pdf?sfvrsn=61bb8b62_0

ENVIRONMENTAL JUSTICE SECTION

I. Identifying Characteristics of EJ Populations

- A. If an Environmental Justice (EJ) population has been identified as located in whole or in part within 5 miles of the project site, describe the characteristics of each EJ populations as identified in the EJ Maps Viewer (i.e., the census block group identification number and EJ characteristics of “Minority,” “Minority and Income,” etc.). Provide a breakdown of those EJ populations within 1 mile of the project site, and those within 5 miles of the site.

See Table 4-11 in Section 4.9.1 of the Project Narrative in Attachment 8.

- B. Identify all languages identified in the “Languages Spoken in Massachusetts” tab of the EJ Maps Viewer as spoken by 5 percent or more of the EJ population who also identify as not speaking English “very well.” The languages should be identified for each census tract located in whole or in part within 1 mile and 5 miles of the project site, regardless of whether such census tract contains any designated EJ populations.

See Table 4-11 in Section 4.9.1 of the Project Narrative in Attachment 8.

- C. If the list of languages identified under Section I.B. has been modified with approval of the EEA EJ Director, provide a list of approved languages that the project will use to provide public involvement opportunities during the course of MEPA review. If the list has been expanded by the Proponent (without input from the EEA EJ Director), provide a list of the additional languages that will be used to provide public involvement opportunities during the course of MEPA review as required by Part II of the MEPA Public Involvement Protocol for Environmental Justice Populations (“MEPA EJ Public Involvement Protocol”). If the project is exempt from Part II of the protocol, please specify.

N/A

II. Potential Effects on EJ Populations

- A. If an EJ population has been identified using the EJ Maps Viewer within 1 mile of the project site, describe the likely effects of the project (both adverse and beneficial) on the identified EJ population(s).

No short-term or long-term environmental or public health impacts are expected to affect EJ populations as a result of the project. Tall growing trees will be cut at the base, but compatible, low-growing vegetation will be allowed to remain resulting in the permanent conversion of forested land into early successional/scrub shrub habitat. The existing ROW passes through largely rural areas occupied by remote forest lands and agricultural areas, and impacts are expected to be limited to the properties crossed by Eversource’s ROW.

This project will provide the following benefits to the environmental conditions and/or public health of the EJ population:

- **Enhanced energy reliability:** This project will strengthen our electric system, by ensuring the continued reliable delivery of energy where and when needed, including EJ populations. Power outages can disrupt communication, water, and transportation services. They can be especially dangerous if they occur during extreme cold or hot temperatures and for those that rely on electricity for medical devices. Decreasing the potential for power outages to occur will have a positive impact on the stability of communities that depend on the electricity distributed by this transmission line, especially those communities that may not have the financial resources to purchase

generators, find temporary housing, or replace lost food in the event of a power outage.

- **Improved access to clean renewable energy:** Maintenance of Eversource's transmission lines is necessary to transport clean renewable energy to our customers.
 - **Habitat enhancement:** This project will expand and sustainably manage the early successional scrub/shrub habitat of our ROW. These habitats are becoming increasingly rare due to development, but are critical for a variety of wildlife, including numerous pollinators and rare and endangered species.
- B. If an EJ population has been identified using the EJ Maps Viewer within 5 miles of the project site, will the project: (i) meet or exceed MEPA review thresholds under 301 CMR 11.03(8)(a)-(b) ___ Yes X No; or (ii) generate 150 or more new average daily trips (adt) of diesel vehicle traffic, excluding public transit trips, over a duration of 1 year or more. ___ Yes X No
- C. If you answered "Yes" to either question in Section II.B., describe the likely effects of the project (both adverse and beneficial) on the identified EJ population(s).

III. Public Involvement Activities

- A. Provide a description of activities conducted prior to filing to promote public involvement by EJ populations, in accordance with Part II of the MEPA EJ Public Involvement Protocol. In particular:
1. If advance notification was provided under Part II.A., attach a copy of the Environmental Justice Screening Form and provide list of CBOs/tribes contacted (with dates). Copies of email correspondence can be attached in lieu of a separate list.
The Environmental Justice Screening Form and a full list of all CBOs/Tribes contacted are provided in Attachment 4.
 2. State how CBOs and tribes were informed of ways to request a community meeting, and if any meeting was requested. If public meetings were held, describe any issues of concern that were raised at such meetings, and any steps taken (including modifications to the project design) to address such concerns.
A cover letter was provided with the EJ screening form, provided in Attachment 4, that included information on how the CBOs and tribes could request additional information, including an email address for the Eversource representative and a Project Hotline phone number.
 3. If the project is exempt from Part II of the protocol, please specify.
N/A
- B. Provide below (or attach) a distribution list (if different from the list in Section III.A. above) of CBOs and tribes, or other individuals or entities the Proponent intends to maintain for the notice of the MEPA Site Visit and circulation of other materials and notices during the course of MEPA review.
N/A – no additional CBOs, tribes, or other EJ community individuals or entities were identified during the outreach program that would require continued notices during the course of MEPA review.
- C. Describe (or submit as a separate document) the Proponent's plan to maintain the same level of community engagement throughout the MEPA review process, as conducted prior to filing.
Prior to the commencement of work, Eversource representatives will contact municipal officials within the Project area to advise of the upcoming activities, and provide for

mitigations which can be accommodated by the contractor. Site visits with landowners and abutting residents will be offered and encouraged to allow for further understanding of the work and mitigation of issues.

Additional pop-up events and open houses (in public and virtual) will be offered prior to the commencement of the work to inform both the EJ community involved, and the abutting landowners and residents along the corridors in each municipality to provide up-to-date information on the Project. In addition, door-to-door activities will continue throughout the Project lifecycle, advising abutting residents to the corridor and those identified within the EJ community of the phases of work. Communications tools, such as a website, hotline, and email portal will be established to allow for direct communications from affected stakeholders to Eversource and the project team, allowing for quick mitigation of issues.

Finally, a data management system will be maintained by Eversource team members to catalogue questions, commitments and requests for future resolution.

CERTIFICATIONS:

1. The Public Notice of Environmental Review has been/will be published in the following newspapers in accordance with 301 CMR 11.15(1):

(Name) The Greenfield Recorder (Franklin County) (Date) June 16, 2022

(Name) Athol Daily News (Franklin County) (Date) June 16, 2022

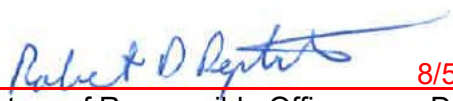
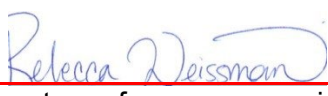
(Name) Amherst Bulletin (Hampshire County) (Date) June 23, 2022

(Name) Daily Hampshire Gazette (Pioneer Valley) (Date) June 16, 2022

(Name) The Republican (Hampden County) (Date) June 17, 2022

2. This form has been circulated to Agencies and Persons in accordance with 301 CMR 11.16(2).

Signatures:

<u>8/5/2022</u>	<u></u>	<u>8/5/2022</u>	<u></u>
Date	Signature of Responsible Officer or Proponent	Date	Signature of person preparing ENF (if different from above)

Robert Deptula

Name (print or type)

Rebecca Weissman

Name (print or type)

Eversource Energy

Firm/Agency

SWCA Environmental Consultants

Firm/Agency

48 Tolland Stage Road

Street

153 Cordaville Road, Suite 130

Street

Tolland, CT

Municipality/State/Zip

Southborough, MA 01772

Municipality/State/Zip

(860) 871-3456

Phone

(508) 233-8769

Phone



ENVIRONMENTAL CONSULTANTS

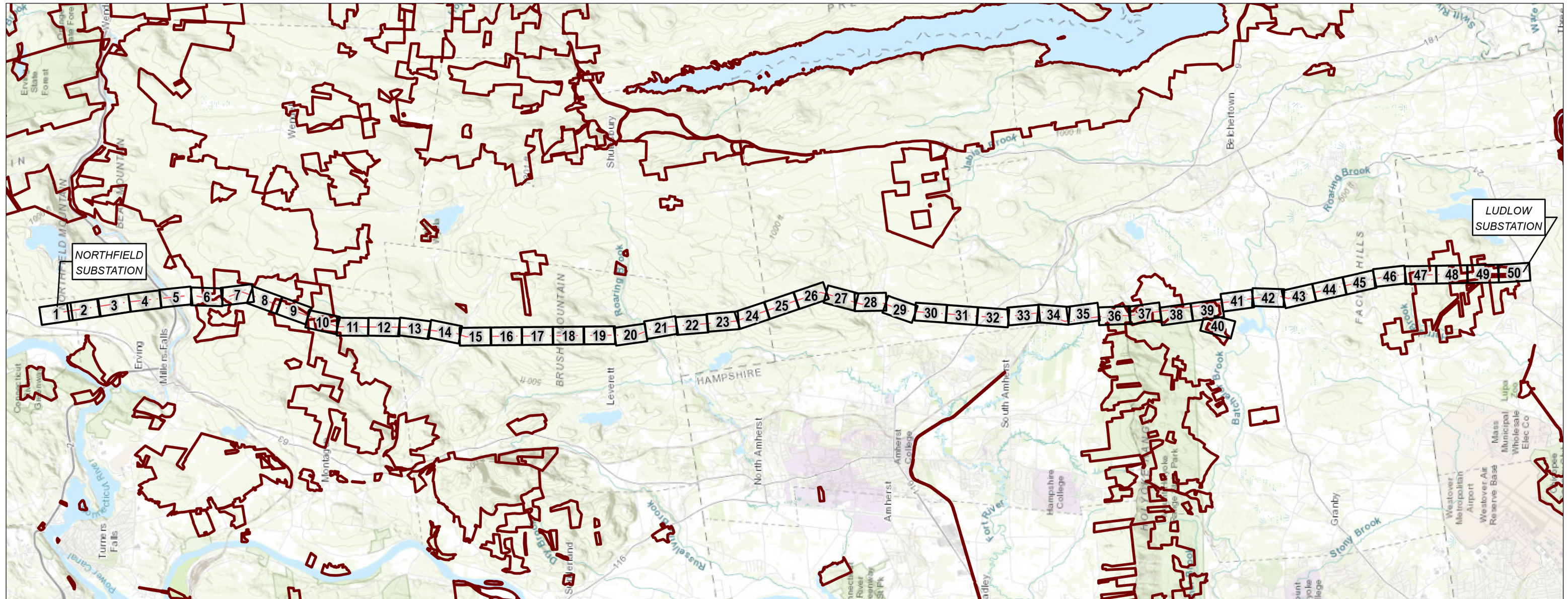
Sound Science. Creative Solutions.®

ATTACHMENT B
REVISED WT-11 TRRP ENF MAP SET

WT-11 Transmission Right-Of-Way Reliability Program

NORTHFIELD, ERVING, WENDELL, MONTAGUE, LEVERETT, SHUTESBURY, PELHAM, BELCHERTOWN, AMHERST, GRANBY, AND LUDLOW, MA
MEPA Expanded Environmental Notification Map Set

Date: August 02, 2022



Legend

- Map Sheet Matchline
- State-Owned Property
- Overhead Eversource Line



0 1 2 Miles

INDEX OF FIGURES

Title Sheet / Index Map
Abutter Tables & Map Sheets 1-50

NO.	DATE	REVISIONS

PREPARED FOR:

EVERSOURCE
ENERGY

107 Selden Street
Berlin, CT 06037

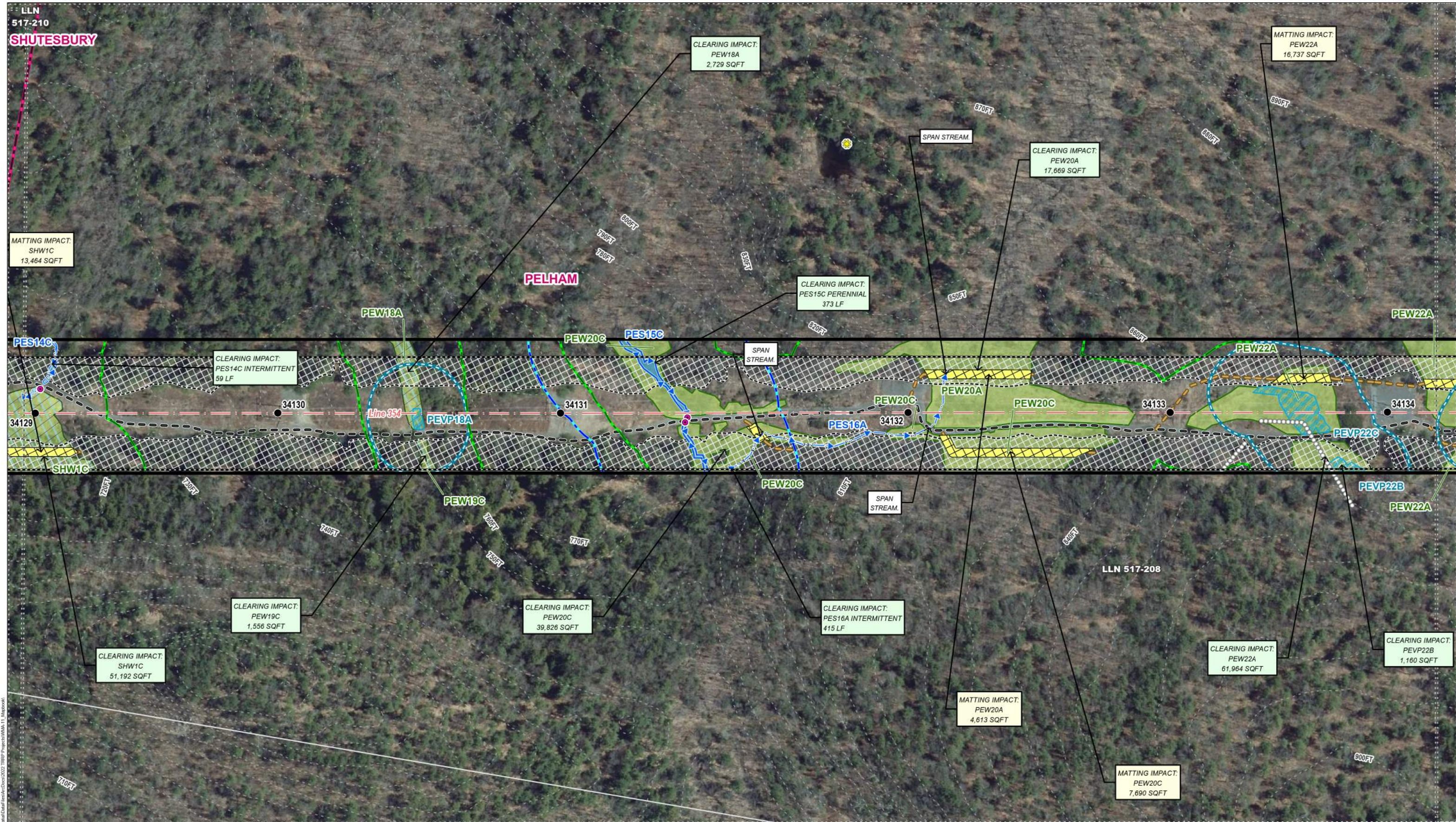
PREPARED BY:

BURNS
MCDONNELL SM

108 Leigus Road
Wallingford, CT 06492

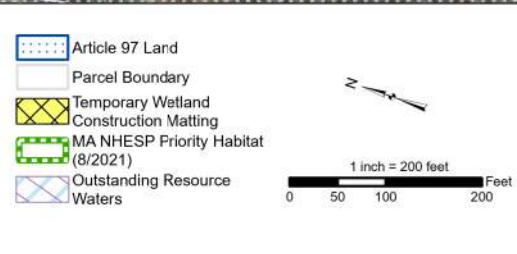
Line List	Site Address	Site City	Owner Name	Co-owner Name	Mailing Address	Mailing City	Mailing State	Mailing Zip
517-208	0 NORTH VALLEY RD	PELHAM	COWLS W D INC		PO BOX 9677	NORTH AMHERST	MA	01059 9677
517-210	0 PRATT CORNER RD	SHUTESBURY	W D COWLS INC		P O BOX 9677	NORTH AMHERST	MA	01059
517-211	0 PRATT CORNER RD	SHUTESBURY	TOWN OF AMHERST		4 BOLTWOOD AVE	AMHERST	MA	01002
517-212	0 SAND HILL RD	SHUTESBURY	TOWN OF AMHERST		4 BOLTWOOD AVE	AMHERST	MA	01002
517-213	0 PRATT CORNER RD	SHUTESBURY	WESTERN MASSACHUSETTS ELECTRIC CO	PROPERTY TAX DEPT.	P O BOX 270	HARTFORD	CT	06141

Line List	Site Address	Site City	Owner Name	Co-owner Name	Mailing Address	Mailing City	Mailing State	Mailing Zip
517-208	0 NORTH VALLEY RD	PELHAM	COWLS W D INC		PO BOX 9677	NORTH AMHERST	MA	01059 9677
517-210	0 PRATT CORNER RD	SHUTESBURY	W D COWLS INC		P O BOX 9677	NORTH AMHERST	MA	01059



Legend

- Existing Structure
- Potential Vernal Pool
- Confirmed Vernal Pool
- Culvert
- Gate
- Overhead Eversource Line
- Limit of Vegetation Management
- Proposed Tree Clearing
- Stonewall
- Railroad
- Existing Access Road
- Off-ROW Access Pending Rights
- Temporary Access Route
- Hiking Trail
- Map Sheet Matchline
- Existing Right-of-Way (ROW)
- Eversource Owned Property
- Delineated Intermittent Watercourse
- Delineated Perennial Watercourse
- Field Delineated Wetland Boundary Outline
- Open Water
- Field Delineated Wetland
- Confirmed Vernal Pool Extent
- 100' Vernal Pool Envelope
- 100' Wetland Buffer
- 200' Riverfront Area
- No Disturb Zone
- Bordering Land Subject to Flooding
- Municipal Boundary
- State-Owned Property

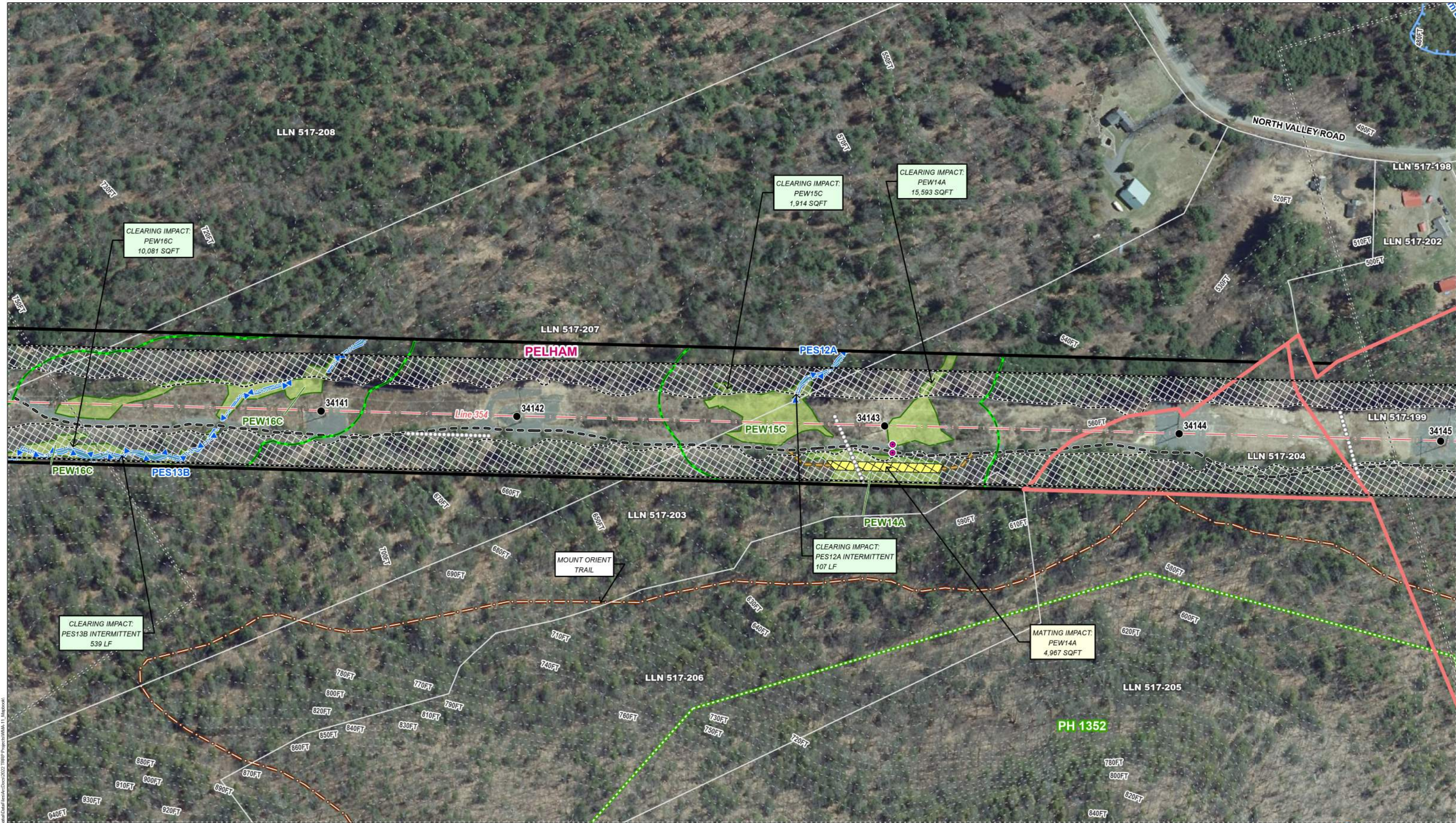


			<div>EVERSOURCE ENERGY</div>	
			WT-11	
			Transmission Right-Of-Way Reliability Program	
			MEPA EENF Map Set	
			NORTHFIELD, ERVING, WENDELL, MONTAGUE, LEVERETT, SHUTESBURY, PELHAM, BELCHERTOWN, AMHERST, GRANBY, AND LUDLOW, MA	MAP SHEET 25 OF 50
NO.	DATE	REVISIONS	Date: August 2, 2022	

Line List	Site Address	Site City	Owner Name	Co-owner Name	Mailing Address	Mailing City	Mailing State	Mailing Zip
517-207	90 NORTH VALLEY RD	PELHAM	LUCIANO M MATARAZZO	LEENA A MATARAZZO	90 N VALLEY RD	PELHAM	MA	01002
517-208	0 NORTH VALLEY RD	PELHAM	COWLS W D INC		PO BOX 9677	NORTH AMHERST	MA	01059 9677
517-209	0 BUFFAM RD	PELHAM	COWLS WD INC		PO BOX 9677	NORTH AMHERST	MA	010059 967



Line List	Site Address	Site City	Owner Name	Co-owner Name	Mailing Address	Mailing City	Mailing State	Mailing Zip
517-198	76 NORTH VALLEY RD	PELHAM	DEBRA A SHEPARD		76 NORTH VALLEY RD	PELHAM	MA	01002
517-199	0 NORTH VALLEY RD	PELHAM	WESTERN MASSACHUSETTS ELECTRIC CO	PROPERTY TAX DEPT	P O BOX 270	HARTFORD	CT	06141
517-202	80 NORTH VALLEY RD	PELHAM	DONALD SHEPARD		80 N VALLEY RD	PELHAM	MA	01002
517-203	86 NORTH VALLEY RD	PELHAM	WATERSIDE NORTH VALLEY REALTY LLC		PO BOX 286	MEDFIELD	MA	02052
517-204	0 NORTH VALLEY RD	PELHAM	WESTERN MASSACHUSETTS ELECTRIC CO		P O BOX 270	HARTFORD	CT	06141
517-205	0 NORTH VALLEY RD	PELHAM	AMHERST COLLEGE	COMPTROLLERS OFFICE	SOUTH PLEASANT ST	AMHERST	MA	01002
517-206	0 NORTH VALLEY RD	PELHAM	AMHERST COLLEGE	COMPTROLLERS OFFICE	SOUTH PLEASANT ST	AMHERST	MA	01002
517-207	90 NORTH VALLEY RD	PELHAM	LUCIANO M MATARAZZO	LEENA A MATARAZZO	90 N VALLEY RD	PELHAM	MA	01002
517-208	0 NORTH VALLEY RD	PELHAM	COWLS W D INC		PO BOX 9677	NORTH AMHERST	MA	01059 9677

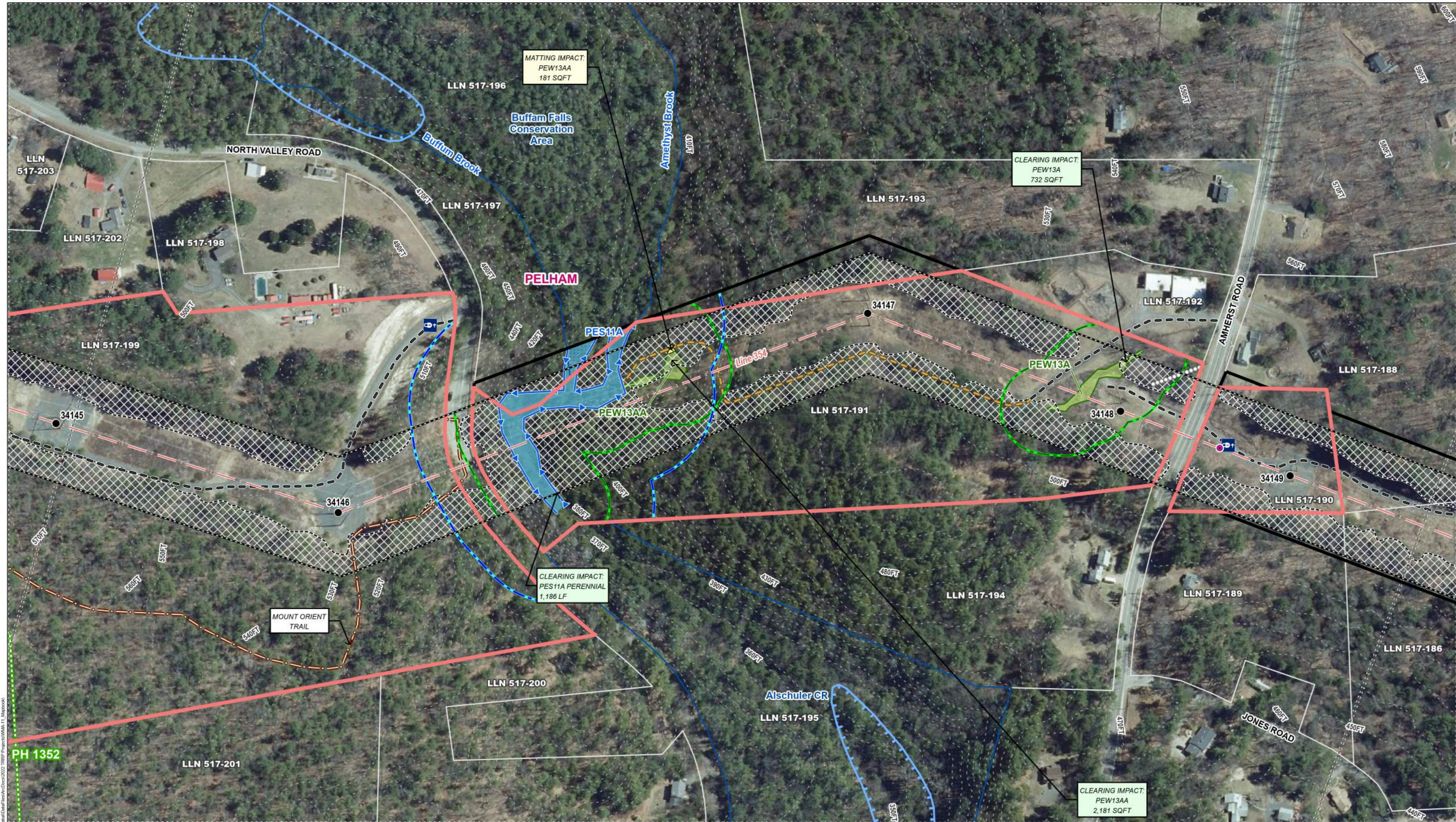


Legend

● Existing Structure	--- Limit of Vegetation Management	--- Temporary Access Route	--- Delineated Perennial Watercourse	--- 100' Wetland Buffer	--- Article 97 Land
● Potential Vernal Pool	--- Proposed Tree Clearing	--- Hiking Trail	--- Field Delineated Wetland Boundary Outline	--- 200' Riverfront Area	--- Parcel Boundary
● Confirmed Vernal Pool	--- Stonewall	--- Map Sheet Matchline	--- Open Water	--- No Disturb Zone	--- Temporary Wetland Construction Matting
● Culvert	--- Railroad	--- Existing Right-of-Way (ROW)	--- Field Delineated Wetland	--- Bordering Land Subject to Flooding	--- MA NHESP Priority Habitat (8/2021)
● Gate	--- Existing Access Road	--- Eversource Owned Property	--- Confirmed Vernal Pool Extent	--- Municipal Boundary	--- Outstanding Resource Waters
--- Off-ROW Access Pending Rights	--- Off-ROW Access Pending Rights	--- Delineated Intermittent Watercourse	--- 100' Vernal Pool Envelope		

EVERSOURCE ENERGY			
WT-11			
Transmission Right-Of-Way Reliability Program			
MEPA EENF Map Set			
NORTHFIELD, ERVING, WENDELL, MONTAGUE, LEVERETT, SHUTESBURY, PELHAM, BELCHERTOWN, AMHERST, GRANBY, AND LUDLOW, MA			MAP SHEET 27 OF 50
Date: August 2, 2022			
NO.	DATE	REVISIONS	

Line List	Site Address	Site City	Owner Name	Co-owner Name	Mailing Address	Mailing City	Mailing State	Mailing Zip
517-186	12 JONES RD	PELHAM	JOHN M & HYDE	MARY JANE TAYLOR	2200 GLENDALE GARDENS	TUSCALOOSA	AL	35401
517-188	87 AMHERST RD	PELHAM	NANCY LIKENS	TRUMAN B JR MARJORIE	277 NORTH EAST ST	AMHERST	MA	01002
517-189	75 AMHERST RD	PELHAM	SUSAN ALTABET	JOHN STEVEN DYDO	56 BAYLEY AVE	YONKERS	NY	10705
517-190	0 AMHERST RD	PELHAM	WESTERN MASSACHUSETTS ELECTRIC CO		P O BOX 270	HARTFORD	CT	06141
517-191	0 SOUTH VALLEY RD	PELHAM	WESTERN MASSACHUSETTS ELECTRIC CO		P O BOX 270	HARTFORD	CT	06141
517-192	86 AMHERST RD	PELHAM	TOWN OF AMHERST		586 SOUTH PLEASANT ST	AMHERST	MA	01002
517-193	90 AMHERST RD	PELHAM	MICHAEL J BEAUPRE		90 AMHERST RD	PELHAM	MA	01002
517-194	76 AMHERST RD	PELHAM	JOHN R & MARY F C LIFE ESTATE WALKER	ELIZABETH WIGHT	PO BOX 96	WHATELY	MA	01093 0096
517-195	52 AMHERST RD	PELHAM	JAMES W JR CASAGRANDE	CHRISTINE CASAGRANDE	52 AMHERST RD	PELHAM	MA	01002
517-196	0 MEETING HOUSE RD	PELHAM	TOWN OF PELHAM		351 AMHERST RD	PELHAM	MA	01002
517-197	0 NORTH VALLEY RD	PELHAM	A. DION & SON FLOOR CONTRACTORS, LLC		PO BOX 656	HADLEY	MA	01035
517-198	76 NORTH VALLEY RD	PELHAM	DEBRA A SHEPARD		76 NORTH VALLEY RD	PELHAM	MA	01002
517-199	0 NORTH VALLEY RD	PELHAM	WESTERN MASSACHUSETTS ELECTRIC CO	PROPERTY TAX DEPT	P O BOX 270	HARTFORD	CT	06141
517-200	36 NORTH VALLEY RD	PELHAM	JO LESLIE HIRSCH		31 BOYDEN RD	PELHAM	MA	01002
517-201	0 NORTH VALLEY RD	PELHAM	AMHERST COLLEGE	COMPTROLLERS OFFICE	SOUTH PLEASANT ST	AMHERST	MA	01002
517-202	80 NORTH VALLEY RD	PELHAM	DONALD SHEPARD		80 N VALLEY RD	PELHAM	MA	01002
517-203	86 NORTH VALLEY RD	PELHAM	WATERSIDE NORTH VALLEY REALTY LLC		PO BOX 286	MEDFIELD	MA	02052



Legend		Legend		Legend		Legend		Legend		Legend	
● Existing Structure	Limit of Vegetation Management	— Temporary Access Route	— Delineated Perennial Watercourse	— 100' Wetland Buffer	— Article 97 Land	— Parcel Boundary	— Temporary Wetland Construction Matting	— MA NHESP Priority Habitat (8/2021)	— Outstanding Resource Waters	—	—
● Potential Vernal Pool	— Proposed Tree Clearing	— Hiking Trail	— Field Delineated Wetland Boundary Outline	— 200' Riverfront Area	—	—	—	—	—	—	—
● Confirmed Vernal Pool	— Stonewall	— Map Sheet Matchline	— Open Water	— No Disturb Zone	—	—	—	—	—	—	—
● Culvert	— Railroad	— Existing Right-of-Way (ROW)	— Field Delineated Wetland	— Bordering Land Subject to Flooding	—	—	—	—	—	—	—
● Gate	— Existing Access Road	— Eversource Owned Property	— Confirmed Vernal Pool Extent	— Municipal Boundary	—	—	—	—	—	—	—
— Overhead Eversource Line	— Off-ROW Access Pending Rights	— Delineated Intermittent Watercourse	— 100' Vernal Pool Envelope	— State-Owned Property	—	—	—	—	—	—	—

NO.		DATE		REVISIONS		EVERSOURCE ENERGY	
						WT-11	
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						NORTHFIELD, ERVING, WENDELL, MONTAGUE, LEVERETT, SHUTESBURY, PELHAM, BELCHERTOWN, AMHERST, GRANBY, AND LUDLOW, MA	
						Date: August 2, 2022	
						MAP SHEET 28 OF 50	

Line List	Site Address	Site City	Owner Name	Co-owner Name	Mailing Address	Mailing City	Mailing State	Mailing Zip
517-172	0 HARKNESS RD	PELHAM	TOWN OF PELHAM		351 AMHERST RD	PELHAM	MA	01002
517-177	0 ARNOLD RD	PELHAM	WESTERN MASSACHUSETTS ELECTRIC CO		P O BOX 270	HARTFORD	CT	06141
517-178	69 ARNOLD RD	PELHAM	JOHN III PEMBERTON	JANE PEMBERTON	69 ARNOLD RD	PELHAM	MA	01002
517-179	61 ARNOLD RD	PELHAM	CHRISTOPHER W HOCKMAN	STEPHANIE S HOCKMAN	61 ARNOLD RD	PELHAM	MA	01002
517-180	59 ARNOLD RD	PELHAM	PETER A TERASPULSKY		59 ARNOLD RD	PELHAM	MA	01002
517-181	55 ARNOLD RD	PELHAM	CHARLES V GRYBKO	ICHAEL V & LINDA J GRYBKO	55 ARNOLD RD	PELHAM	MA	01002
517-182	53 ARNOLD RD	PELHAM	CAROLINE R GATES	IRENE B GATES	53 ARNOLD RD	PELHAM	MA	01002
517-183	49 ARNOLD RD	PELHAM	LAWRENCE B FRIEDMAN	JUDITH C GIORDAN	49 ARNOLD RD	PELHAM	MA	01002
517-184	47 ARNOLD RD	PELHAM	JOHN W CHERRY	JANET T MARQUARDT	47 ARNOLD RD	PELHAM	MA	01002
517-185	41 ARNOLD RD	PELHAM	FELIX OPPENHEIM	SHULAMITH OPPENHEIM	41 ARNOLD RD	PELHAM	MA	00100
517-186	12 JONES RD	PELHAM	JOHN M & HYDE	MARY JANE TAYLOR	2200 GLENDALE GARDENS	TUSCALOOSA	AL	35401
517-187	0 JONES RD	PELHAM	COASTAL SUNSET CAPITAL LLC		1158 26TH ST #581	SANTA MONICA	CA	90403
517-188	87 AMHERST RD	PELHAM	NANCY LIKENS	TRUMAN B JR MARJORIE	277 NORTH EAST ST	AMHERST	MA	01002
517-189	75 AMHERST RD	PELHAM	SUSAN ALTABET	JOHN STEVEN DYDO	56 BAYLEY AVE	YONKERS	NY	10705
517-170	134 HARKNESS RD	PELHAM	LEON OSTERWEIL	LORI A CLARKE	134 HARKNESS RD	PELHAM	MA	01002 9783
517-171	0 HARKNESS RD	PELHAM	TOWN OF PELHAM		351 AMHERST RD	PELHAM	MA	01002

Line List	Site Address	Site City	Owner Name	Co-owner Name	Mailing Address	Mailing City	Mailing State	Mailing Zip
517-172	0 HARKNESS RD	PELHAM	TOWN OF PELHAM		351 AMHERST RD	PELHAM	MA	01002
517-173	0 ARNOLD RD	PELHAM	MARY T HANKOWSKI		93 ARNOLD RD	PELHAM	MA	01002
517-174	93 ARNOLD RD	PELHAM	MARY T HANKOWSKI		93 ARNOLD RD	PELHAM	MA	01002
517-175	89 ARNOLD RD	PELHAM	DONALD SHEPARD		80 NORTH VALLEY RD	PELHAM	MA	01002
517-176	75 ARNOLD RD REAR	PELHAM	MICHAEL V GRYBKO	LYNDA J GRYBKO	75 ARNOLD RD RR #4	PELHAM	MA	01002
517-177	0 ARNOLD RD	PELHAM	WESTERN MASSACHUSETTS ELECTRIC CO		P O BOX 270	HARTFORD	CT	06141
517-178	69 ARNOLD RD	PELHAM	JOHN III PEMBERTON	JANE PEMBERTON	69 ARNOLD RD	PELHAM	MA	01002



INDEX MAP

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- Outstanding Resource Waters

1 inch = 200 feet

0 50 100 200 Feet

NO.	DATE	REVISIONS

EVERSOURCE ENERGY

WT-11

Transmission Right-Of-Way Reliability Program

MEPA EENF Map Set

NORTHFIELD, ERVING, WENDELL, MONTAGUE, LEVERETT, SHUTESBURY, PELHAM, BELCHERTOWN, AMHERST, GRANBY, AND LUDLOW, MA

Date: August 2, 2022

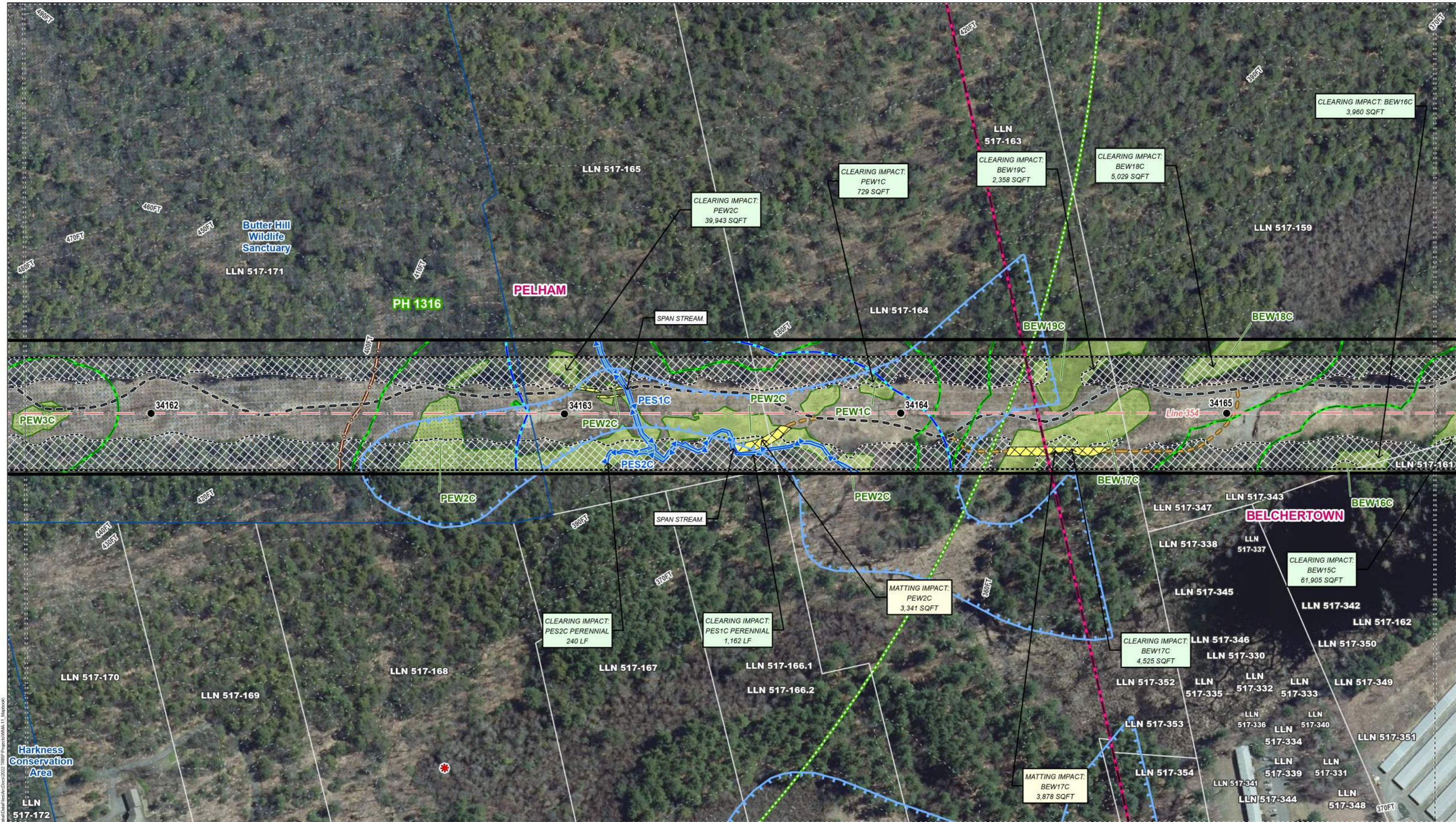
MAP SHEET 30 OF 50

Abutters List

Map Sheet 31 of 50

Data Date: September 2021

Line List	Site Address	Site City	Owner Name	Co-owner Name	Mailing Address	Mailing City	Mailing State	Mailing Zip
517-159	0 FEDERAL ST (REAR)	BELCHERTOWN	AMHERST COLLEGE TRUSTEES	WEINMAN CFO	AMHERST COLLEGE - P O BOX 5000	AMHERST	MA	01002-5000
517-161	0 FEDERAL ST (REAR)	BELCHERTOWN	AMHERST COLLEGE TRUSTEES	C/O KEVIN WEINMAN CFO	AMHERST COLLEGE - P O BOX 5000	AMHERST	MA	01002-5000
517-162	1270 FEDERAL ST	BELCHERTOWN	JJBP LLC C/O JOSHUA	GOLDMAN	71 MAIN ST	MONTAGUE	MA	01351
517-163	0 FEDERAL ST (REAR)	BELCHERTOWN	MARK W BIXBY	JENNIFER S BIXBY	150 HARKNESS RD	AMHERST	MA	01002-9783
517-164	0 HARKNESS RD	PELHAM	MARK W BIXBY	JENNIFER S BIXBY	150 HARKNESS RD	PELHAM	MA	01002
517-165	0 HARKNESS RD	PELHAM	AMHERST COLLEGE		P.O.BOX 2221	AMHERST	MA	01002
517-166.1	150 HARKNESS RD	PELHAM	MARK W BIXBY	JENNIFER S BIXBY	150 HARKNESS RD	PELHAM	MA	01002
517-166.2	150 HARKNESS RD REAR	PELHAM	MARK W BIXBY	JENNIFER S BIXBY	150 HARKNESS RD	PELHAM	MA	01002
517-167	140 HARKNESS RD	PELHAM	TILMAN LUKAS	LISA LUKAS	140 HARKNESS RD	PELHAM	MA	01002
517-168	138 HARKNESS RD	PELHAM	SARA ELINOFF ACKER	PETER P ACKER	138 HARKNESS RD	PELHAM	MA	01002
517-169	136 HARKNESS RD	PELHAM	GORDEN B PALLEY	CYNTHI MIS-PALLEY	136 HARKNESS RD	PELHAM	MA	01002
517-170	134 HARKNESS RD	PELHAM	LEON OSTERWEIL	LORI A CLARKE	134 HARKNESS RD	PELHAM	MA	01002 9783
517-171	0 HARKNESS RD	PELHAM	TOWN OF PELHAM		351 AMHERST RD	PELHAM	MA	01002
517-172	0 HARKNESS RD	PELHAM	TOWN OF PELHAM		351 AMHERST RD	PELHAM	MA	01002
517-330	1300 FEDERAL ST UNIT A1	BELCHERTOWN	PAUL NORMANDO	KOLLYANN NORMANDO	1300 FEDERAL ST APT 2	BELCHERTOWN	MA	01007
517-331	1300 FEDERAL ST UNIT A2	BELCHERTOWN	PAUL H NORMANDO	KOLLYANN EM NORMANDO	1300 FEDERAL ST UNIT 2	BELCHERTOWN	MA	01007-9126
517-332	1300 FEDERAL ST UNIT A3	BELCHERTOWN	JOYCE L HARPER	WILLIAM J JR HARPER	C/O CYNTHIA MANGANARO P O BOX 452	LUDLOW	MA	01056
517-333	1300 FEDERAL ST UNIT A4	BELCHERTOWN	MICHAEL M ADAMSKI		1300 FEDERAL ST UNIT 4	BELCHERTOWN	MA	01007
517-334	1300 FEDERAL ST UNIT A5	BELCHERTOWN	DEBORAH A GRIFFIN	KATRINA L GRIFFIN	1300 FEDERAL ST UNIT 5	BELCHERTOWN	MA	01007
517-335	1300 FEDERAL ST UNIT A6	BELCHERTOWN	KENNETH A JOHNSON	LINDA S JOHNSON	59-R AMHERST RD	PELHAM	MA	01002-9748
517-336	1300 FEDERAL ST UNIT A7	BELCHERTOWN	HELEN D ROKAS		5 VINEGAR HILL DR	SAUGUS	MA	01906-1491
517-337	1300 FEDERAL ST UNIT A8	BELCHERTOWN	CLIFFORD L WILKINSON		65 HILLS RD	AMHERST	MA	01002
517-338	1300 FEDERAL ST UNIT A9	BELCHERTOWN	PAUL H NORMANDO	KOLLYANN EM NORMANDO	1300 FEDERAL ST UNIT 2	BELCHERTOWN	MA	01007-9126
517-339	1300 FEDERAL ST UNIT A10	BELCHERTOWN	EMILY I BRACKINS		P O BOX 3326	AMHERST	MA	01004-3326
517-340	1300 FEDERAL ST UNIT A11	BELCHERTOWN	MICHELE A MATUSZKO	JAMES E MATUSZKO	6 LADY SLIPPER LANE	HADLEY	MA	01035
517-341	1300 FEDERAL ST UNIT A12	BELCHERTOWN	HUGH L JR KIRK	KIM M KIRK	1300 FEDERAL ST UNIT 12	BELCHERTOWN	MA	01007
517-342	1302 FEDERAL ST UNIT B14	BELCHERTOWN	JUSTIN R CLEARE		17 AUTUMN GATE CR	MILLBURY	MA	01527-3024
517-343	1302 FEDERAL ST UNIT B15	BELCHERTOWN	MARC HOULIHAN		P O BOX 2504	AMHERST	MA	01004-2504
517-344	1302 FEDERAL ST UNIT B16	BELCHERTOWN	NICOLE LUCIE JOYCE	RYAN THOMAS JOYCE	P O BOX 2414	AMHERST	MA	01004-2414
517-345	1302 FEDERAL ST UNIT B17	BELCHERTOWN	GREGG S HUTCHINS		1300 FEDERAL ST UNIT B17	BELCHERTOWN	MA	01007-9129
517-346	1302 FEDERAL ST UNIT B18	BELCHERTOWN	KELLEY K R KNIGHT		55 GULF RD	PELHAM	MA	01002
517-347	1302 FEDERAL ST UNIT B19	BELCHERTOWN	JOHN FRANCIS PERRY	DENISE LEE PERRY	48 MEADOW ST	CARVER	MA	02330
517-348	1302 FEDERAL ST UNIT B20	BELCHERTOWN	STEPHEN A SMITH		1300 FEDERAL ST UNIT 20	BELCHERTOWN	MA	01007-9129
517-349	1302 FEDERAL ST UNIT B21	BELCHERTOWN	REHEMA M K HIZA		P O BOX 2483	AMHERST	MA	01004-2483
517-350	1302 FEDERAL ST UNIT B22	BELCHERTOWN	FLORENCE L FORTIER		P O BOX 9563	NORTH AMHERST	MA	01059-9563
517-351	1302 FEDERAL ST UNIT B23	BELCHERTOWN	FLORENCE FORTIER		P O BOX 9563	NORTH AMHERST	MA	01059-9563
517-352	1302 FEDERAL ST UNIT B24	BELCHERTOWN	SHIREEN CHAUDHRY		1302 FEDERAL ST UNIT 24	BELCHERTOWN	MA	01007
517-353	1302 FEDERAL ST UNIT B25	BELCHERTOWN	REHEMA M K HIZA		P O BOX 2483	AMHERST	MA	01004-2483
517-354	1288 FEDERAL ST UNIT C26	BELCHERTOWN	KEREN YU	DABO SHI	37 ORCHARD RD	BELCHERTOWN	MA	01007



Legend		Legend		Legend		Legend		Legend	
Existing Structure	Limit of Vegetation Management	Temporary Access Route	Delineated Perennial Watercourse	100' Wetland Buffer	Article 97 Land	Parcel Boundary	Temporary Wetland Construction Matting	MA NHESP Priority Habitat (8/2021)	Outstanding Resource Waters
Potential Vernal Pool	Proposed Tree Clearing	Hiking Trail	Field Delineated Wetland Boundary Outline	200' Riverfront Area	No Disturb Zone	Bordering Land Subject to Flooding	Municipal Boundary	State-Owned Property	
Confirmed Vernal Pool	Stonewall	Map Sheet Matchline	Open Water	Field Delineated Wetland	Confirmed Vernal Pool Extent	100' Vernal Pool Envelope			
Culvert	Railroad	Existing Right-of-Way (ROW)	Eversource Owned Property						
Gate	Existing Access Road	Off-ROW Access Pending Rights							
Overhead Eversource Line									

EVERSOURCE ENERGY			
WT-11			
Transmission Right-Of-Way Reliability Program			
MEPA EENF Map Set			
NORTHFIELD, ERVING, WENDELL, MONTAGUE, LEVERETT, SHUTESBURY, PELHAM, BELCHERTOWN, AMHERST, GRANBY, AND LUDLOW, MA			MAP SHEET 31 OF 50
Date: August 2, 2022			
NO.	DATE	REVISIONS	