

56 Prospect Street P.O. Box 270 Hartford, CT 06103

Kathleen M. Shanley Manager – Transmission Siting Tel: (860) 728-4527

December 30, 2019

Melanie Bachman, Esq. Executive Director Connecticut Siting Council Ten Franklin Square New Britain, CT 06051

Re: Sub-Petition No. 1293-MEHHEH-01

Dear Attorney Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-MEHHEH-01 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Middletown, East Hampton, Haddam and East Haddam Connecticut. The work includes replacing 11 existing wooden transmission structures with new weathering steel transmission structures.

Eversource notified the officials of the municipalities of Middletown, East Hampton, Haddam and East Haddam of Eversource's submission of the Sub-Petition and sent copies of the Sub-Petition to owners of directly abutting properties (see Proof of Notice).

Enclosed please find an original and 3 copies of this filing.

Please contact me at 860-728-4527 if you have any questions regarding the enclosed Sub-Petition.

Sincerely,

Enclosures

Attachments: Exhibit A: Sub-Petition Exhibit B: Photographs and Photo Simulation Exhibit C: Maps Exhibit D: Abutter Letter and Proof of Notice

ATTACHMENT A

SUB-PETITION

THE CONNECTICUT LIGHT AND POWER COMPANY doing business as <u>EVERSOURCE ENERGY</u>

Sub-Petition CONNECTICUT SITING COUNCIL – PETITION NO. 1293 TRANSMISSION FACILITY ASSET CONDITION MAINTENANCE IMPROVEMENTS TO COMPLY WITH THE UPDATED NATIONAL ELECTRIC SAFETY CODE CLEARANCE REQUIREMENTS

Town: Middletown, East Hampton, Haddam, and East Haddam

Sub-Petition 1293-MEHHEH-01

Project: 1772 Transmission Line Structure Replacement Project

Structure Locations: 11 Transmission Line Structures located in Middletown, East Hampton, Haddam, and East Haddam, Connecticut

I. Introduction:

In accordance with Condition 1 of the March 30, 2017 ruling by the Connecticut Siting Council (the "Council") (as set forth in the Council's March 31, 2017 letter) regarding Petition No. 1293, The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") submits this Sub-Petition.

II. Description of Transmission Work Activities:

Eversource's 1772 Transmission Line Structure Replacement Project is part of an ongoing maintenance program which evaluates the integrity of its utility structures and implements repair, upgrade or replacement in order to ensure the safe and reliable transmission of power to its customers. Due to asset condition, many structures require replacement on a portion of the 1772 Line between a location just north of Freeman Road in Middletown and East Haddam Junction in East Haddam. The 1772 Line, in its entirety, is a 115-kilovolt single-circuit line that extends from the Pratt & Whitney Substation in Middletown to Haddam Substation in Haddam. Of the structures that will be replaced, 11 structures require a slight increase in structure height to comply with current clearance requirements. These 11 structures to be replaced are a mix of wood H-Frame and monopole structures.

Eversource plans to conduct transmission structure replacement work to remediate wood structure damage caused by structure age, weather, and woodpecker activity. The following work ("Work Activities") will be performed:

• Replace 11 existing wood structures with new weathering steel structures. Each replacement structure will be of the same design as its corresponding existing structure, though slightly taller (10 feet or less) than the existing structure. The replacement structures will be installed within 15 feet of the existing structure locations.

III. No Substantial Adverse Environmental Effect:

Eversource respectfully submits that the proposed modifications would have no "substantial adverse environmental effect" pursuant to Conn. Gen. Stat. § 16-50k, based on the following factors:

- a) All Work Activities would take place in areas within Eversource's property or existing right-of-way ("ROW") utilizing existing and proposed new permanent access roads, as well as some temporary access roads (collectively the "Work Areas"). Some of the existing access roads would be improved. Eversource would access each of the structure replacement locations utilizing its existing rights.
- b) Collectively, the Work Activities would result in approximately 26,793 square feet ("SF") of temporary wetland/watercourse impacts from the temporary use of matting required for the construction of access roads and work pads for five structures as follows:

Wetland/Watercourse Number	Structure Number	Construction Work Pads Temporary Impacts (SF)	Access Roads Temporary Impacts (SF)
S9	15136	±612	0
W14	15150	±5,489	0
W17	3729	±10,000	±432
W18	3723	±1,010	±2,763
W18	3722	±757	±5,730
Subtotals:		±17,868	±8,925
TOTAL:		±26	793

Work would be conducted in accordance with Eversource's *Best Management Practices Manual for Massachusetts and Connecticut (Construction and Maintenance Environmental Requirements),* September 2016 ("BMPs") to avoid impacts to nearby wetland and watercourse resources.

- c) No impacts to vernal pools or vernal pool envelopes would result from the proposed Work Activities. Therefore, no adverse impact to vernal pools would result from proposed work activities and no vernal pool species protection measures are required for the proposed Work Activities.
- a) Based on review of the Connecticut Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Database ("NDDB"), only the Work Activities associated with the work pad for Structures 15136 and 15150, the access for Structure 3723, and the work pad and access for Structures 15132, 3729 and 3722, are proposed within a NDDB buffered area and wetland jurisdictional area and/or CTDEEP owned/managed land; and therefore would be subject to a NDDB review request. Eversource is currently in consultation with CTDEEP regarding Eversource's proposed work in this area and will adhere to any state-listed species protection measures recommended by CTDEEP, as necessary. Any recommended measures will be incorporated into Eversource's BMPs during construction. With these protective measures, no adverse impacts to state-listed rare species are anticipated.
- b) The Work Activities will not require any tree clearing. However, Eversource may need to undertake tree trimming and/or vegetation removal/mowing within the managed ROW corridor to improve access to portions of the Work Areas.
- c) A Phase 1A assessment review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office conducted by Heritage Consultants, LLC ("Heritage") did not identify any National or State Register of Historic Places properties/districts located within 500 feet

of the Work Areas. Based on a review of historic maps, aerial photographs and available soil profiles, the proposed work pad for Structure 3728 and proposed access road to Structure 15132 were identified to possess a potential for moderate to high archaeological sensitivity. Heritage completed a pedestrian survey of Structure 15132 access and reclassified the area as having no/low archaeological sensitivity due to existing significant disturbance, steep slopes and large bedrock exposures. As a result, no additional archeological examination of Structure 15132 access is recommended. Heritage completed a Phase 1B cultural reconnaissance survey (shovel pit testing) at Structure 3728 and found no physical evidence of archaeological significance; therefore, Heritage advised that no further examination is recommended or warranted.

- d) Increases in the heights of the 11 replacement structures will average approximately 8 feet and none will exceed 9 feet.
- e) Replacement structures would be located within 15 feet of existing structures.
- f) Work Activities associated with Structure 3722 are located partially within the mapped 100-year flood zone associated with Succor Brook. Eversource would utilize its BMPs to minimize any impacts to the flood zone by utilizing temporary construction matting and/or by not placing fill that would increase the elevations of the existing or proposed road surface or work pad to ensure that the floodplain hydrology would not be adversely affected. With these protective measures and the use of the BMPs, no adverse impact to the 100-year flood zone would result from the proposed Work Activities.
- g) No change in noise levels would result from the installation of the new structures and the applicable line would continue to comply with the State of Connecticut noise regulations.
- h) Any changes in electric and magnetic field levels outside the ROW would be negligible.

IV. <u>Mitigation:</u>

Temporary environmental effects from construction will be mitigated as follows:

- Erosion and sediment controls ("E&S") will be employed and maintained, as needed, for the duration of the Work Activities in accordance with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control and the BMPs.
- Potential impacts to wetlands and watercourses will be mitigated with the use of temporary construction matting and adherence to the BMPs.
- Any NDDB recommended rare species protective measures will be incorporated into Eversource's BMPs during construction.
- Potential impacts to the 100-year flood zone would be avoided with adherence to the BMPs and the use of temporary construction matting.
- Eversource's contractor will perform construction sequencing such that any earth materials are exposed for a minimum of time before they are covered, seeded, or otherwise stabilized to prevent erosion.
- During construction, when necessary, anti-tracking mats would be installed at construction entrances onto public roads to prevent tracking of soil onto local streets.

• Upon completion of the Work Activities, all disturbed/exposed areas would be stabilized and revegetated as needed. After the establishment of permanent ground cover, Eversource's contractor would remove the temporary E&S controls and remove/dispose of any accumulated sediments and debris from areas where such measures were used.

V. Access:

Some new permanent access roads would be constructed to facilitate access to structures within the ROW and existing access roads in upland areas may be hardened and temporarily widened at turning areas to facilitate the safe passage of construction vehicles. Construction matting would be used as temporary access roads in wetlands as well as in agricultural/maintained lawn upland areas. The matting will be removed upon completion of the Work Activities and the areas restored, as necessary.

Eversource would access the Work Areas by entering its property and/or the ROW from existing access points on public roads as follows:

<u>Middletown</u>

- Freeman Road for Structures 15120 and 15121
- River Road for Structure 15122

East Hampton

- Hog Hill Road for Structure 15132
- Hurd Park Road for Structure 15136

<u>Haddam</u>

• Rock Landing Road for Structures 15138 and 15150

East Haddam

- Orchard Road for Structure 3729
- Deer Run for Structure 3728
- Boardman Road for Structures 3723 and 3722

By:

Kathleen M. Shanley Manager - Transmission Siting

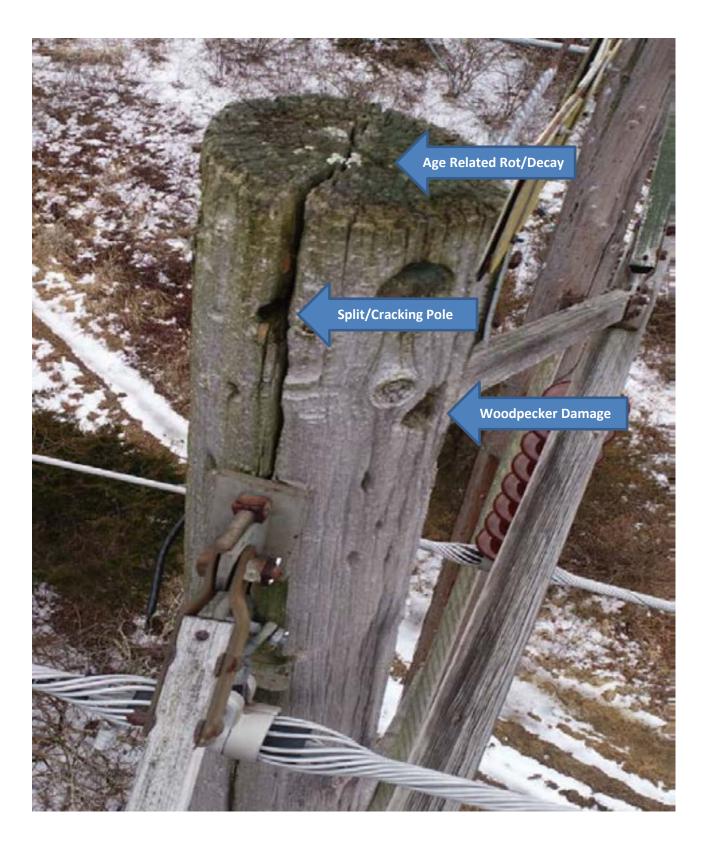
ATTACHMENT B PHOTOGRAPHS AND PHOTO SIMULATION



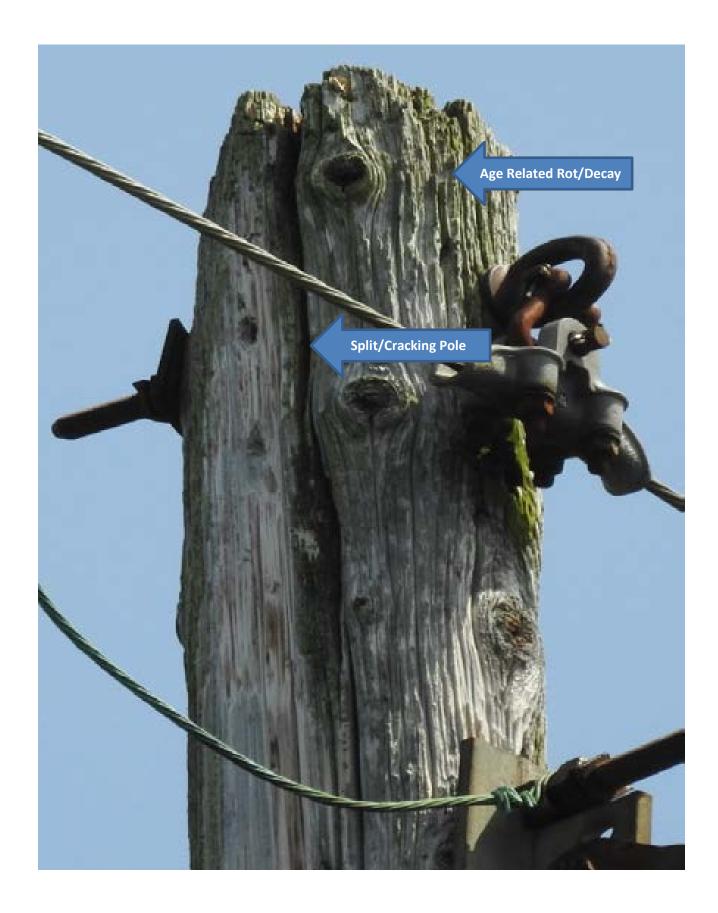
Structure #15121

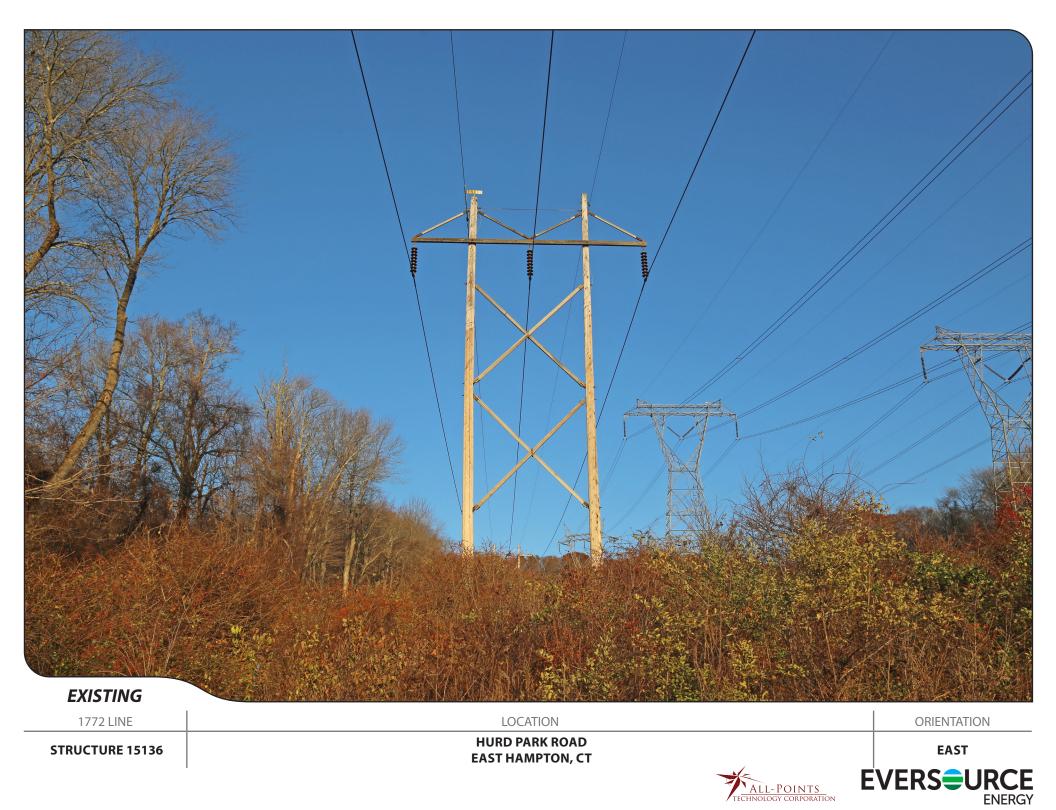


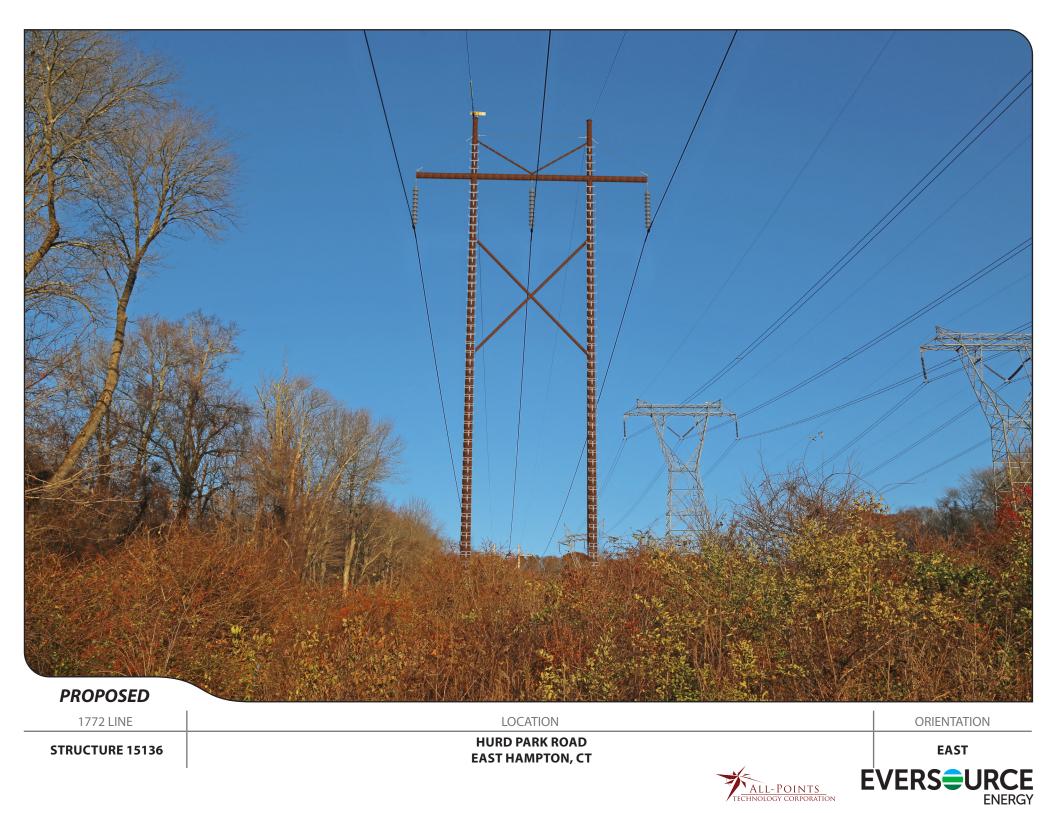
Structure #15136



Structure #15150







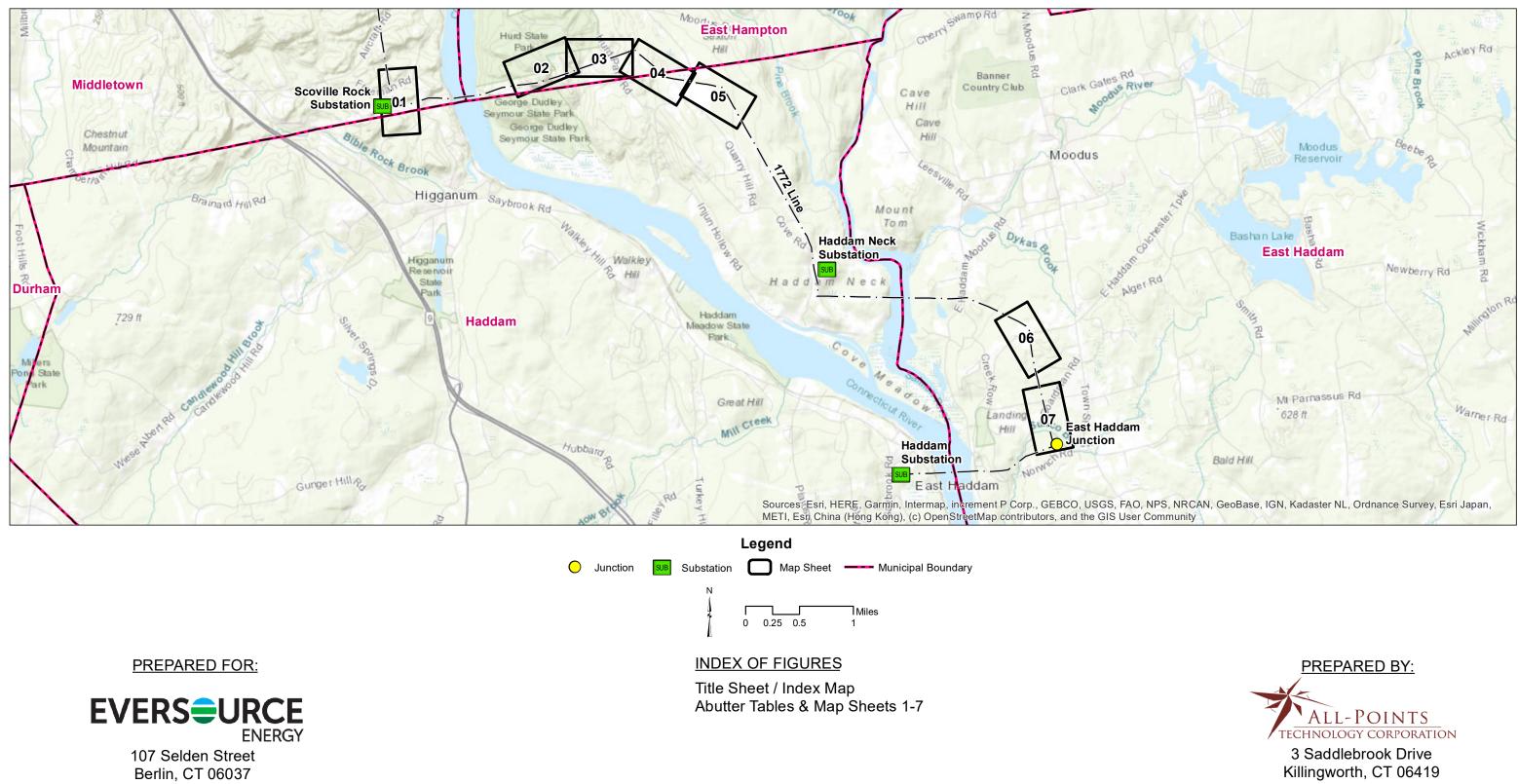
ATTACHMENT C

MAPS

<u>1772 Line - Structure Replacement Project</u>

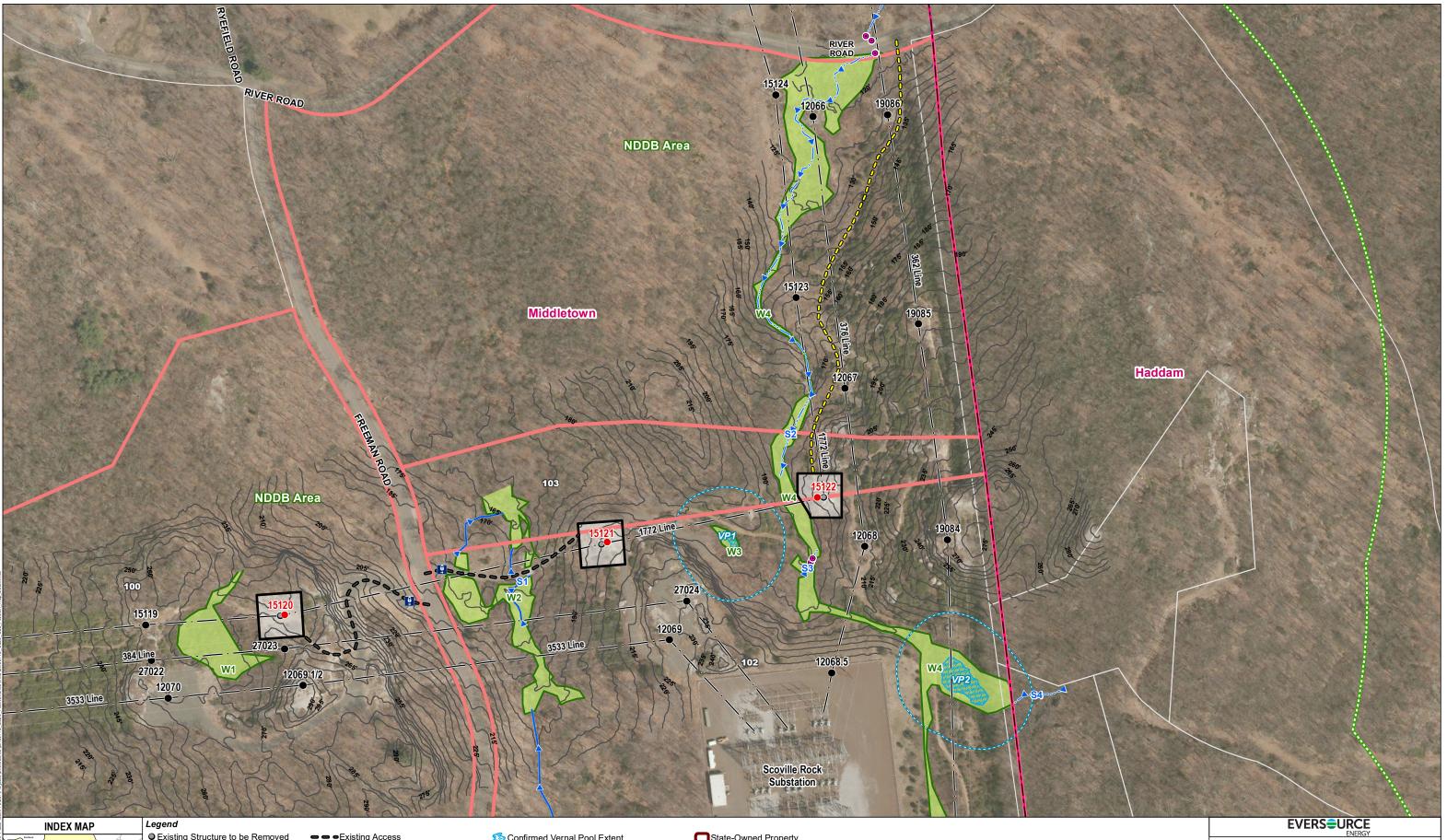
Middletown, East Hampton, Haddam, and East Haddam, CT Sub-Petition Map Set

Date: November 22, 2019



Map Sheet 01 of 07 1772 Line - Structure Replacement Project Abutters List

<u>Line List</u> <u>Number</u>	Owner Name	Parcel Address	<u>City</u>	<u>State</u>
100	THE ROCKY RIVER REALTY (EVERSOURCE)	RIVER RD	MIDDLETOWN	СТ
102	THE CONNECTICUT LIGHT & POWER CO	FREEMAN RD	MIDDLETOWN	СТ
103	THE ROCKY RIVER REALTY (EVERSOURCE)	FREEMAN RD	MIDDLETOWN	СТ





Existing Structure to be Removed
Proposed Structure
Existing Structure
- Overhead Eversource Line
Existing Right-of-Way (ROW)
- 5' Contour Line
Gate
Culvert

Existing Access
 Access Road to be improved
 Proposed Access
 Stone Work Pad
 Delineated Perennial Watercou

Delineated Perennial Watercourse
 Delineated Intermittent Watercourse
 Delineated Wetland Boundary Outline
 Field Delineated Wetland

Confirmed Vernal Pool Extent
 100' Vernal Pool Envelope
 Temporary Construction Matting
 100-Year Flood Zone
 Natural Diversity Database Area (June 2019)
 CT NE Cottontail Focus Area

State-Owned Property Eversource Owned Property Parcel Boundary Municipal Boundary Map Sheet Matchline

z -----

1 inch = 200 feet Fee 0 50 100 200

1772 Line Structure Replacement Project

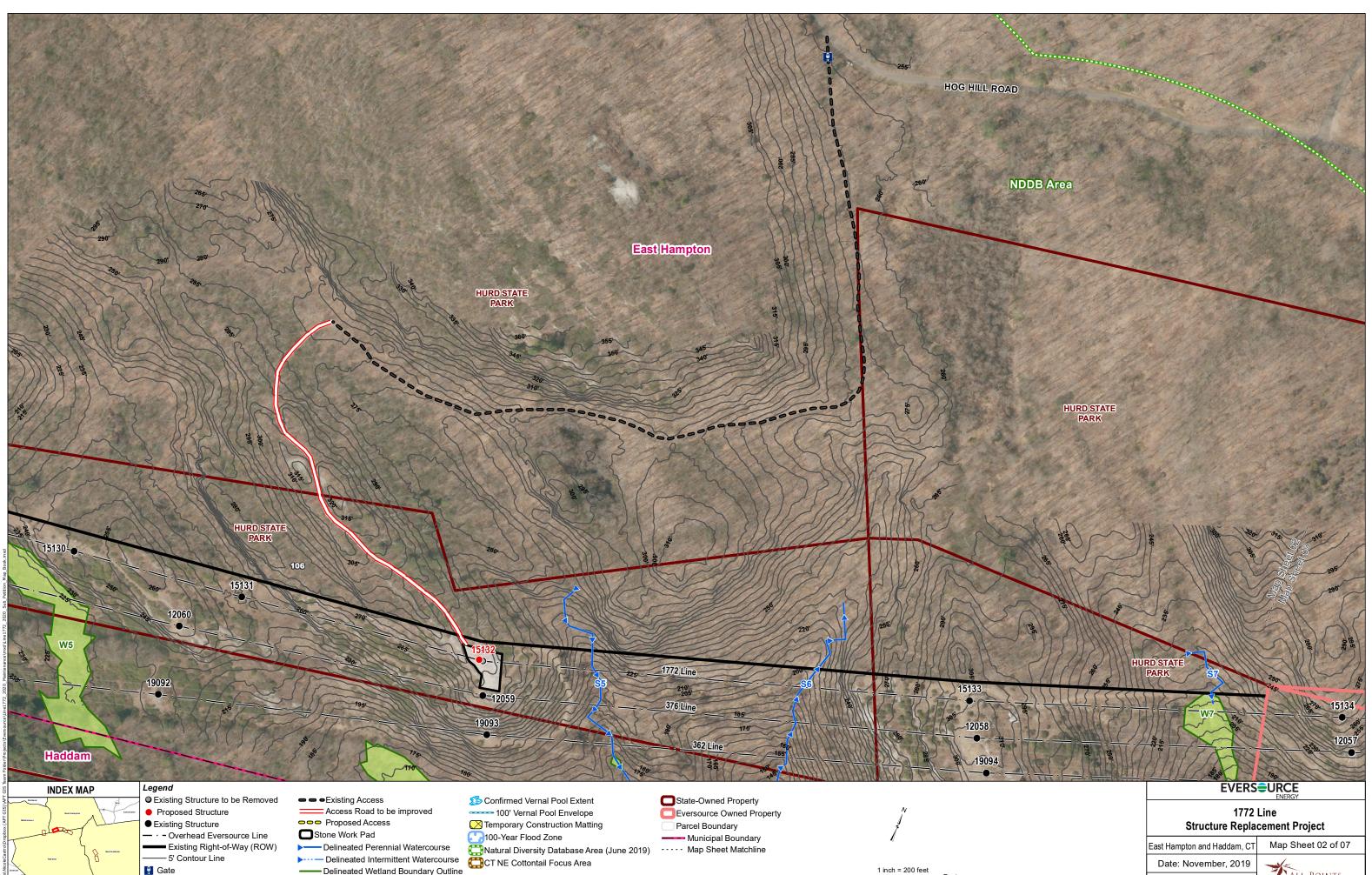
Middletown and Haddam, CT	Map Sheet 01 of 07
Date: November, 2019	
Map Author: N. Castro	TECHNOLOGY CORPORATION

Map Sheet 02 of 07 1772 Line - Structure Replacement Project Abutters List

<u>Line List</u> <u>Number</u>	Owner Name	Parcel Address	<u>City</u>	
106	STATE OF CONNECTICUT	HURD PARK RD	EAST HAMPTON	

<u>State</u>	

СТ



----- Delineated Wetland Boundary Outline Field Delineated Wetland

Culvert

CT NE Cottontail Focus Area

- Fee

200

50 100

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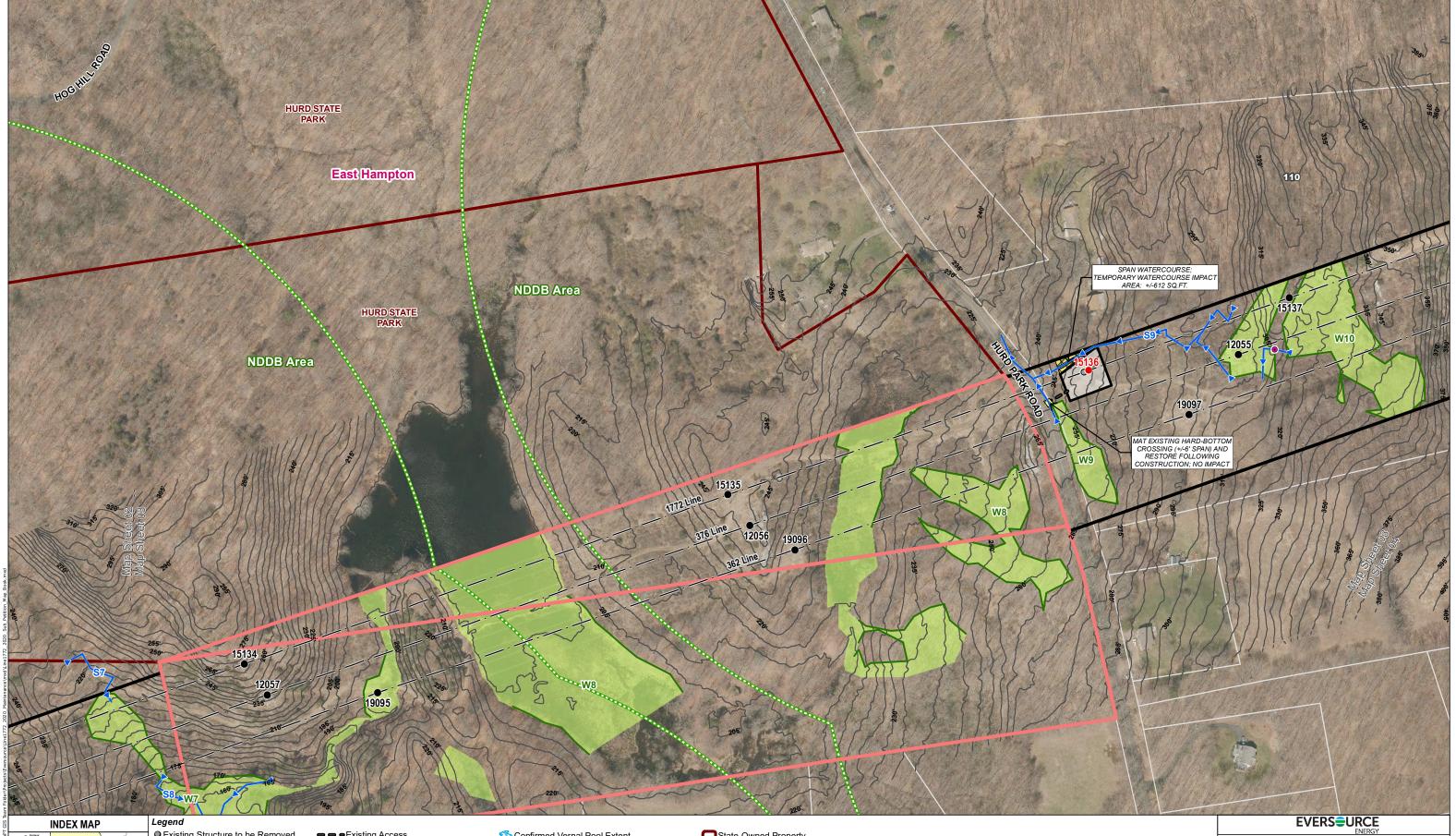
Map Author: N. Castro

ALL-POINTS TECHNOLOGY CORFORATION

Map Sheet 03 of 07 1772 Line - Structure Replacement Project Abutters List

<u>Line List</u> <u>Number</u>	Owner Name	Parcel Address	<u>City</u>	
110	BRIAN & NANCY J JENDRZEJCZYK	104 HURD PARK RD	EAST HAMPTON	

<u>State</u>	
СТ	





Existing Structure to be Removed
 Proposed Structure
 Existing Structure
 - Overhead Eversource Line
 Existing Right-of-Way (ROW)
 5' Contour Line
 Gate
 Culvert

Delineated Perennial Watercourse
 Delineated Intermittent Watercourse
 Delineated Wetland Boundary Outline
 Field Delineated Wetland

Confirmed Vernal Pool Extent 100' Vernal Pool Envelope Temporary Construction Matting 100-Year Flood Zone Natural Diversity Database Area (June 2019) CT NE Cottontail Focus Area

State-Owned Property
Eversource Owned Property
Parcel Boundary
Municipal Boundary
Map Sheet Matchline

1 inch = 200 feet 50 100 200

1772 Line Structure Replacement Project

East Hampton, CT	
Date: November, 2019	-
Map Author: N. Castro	

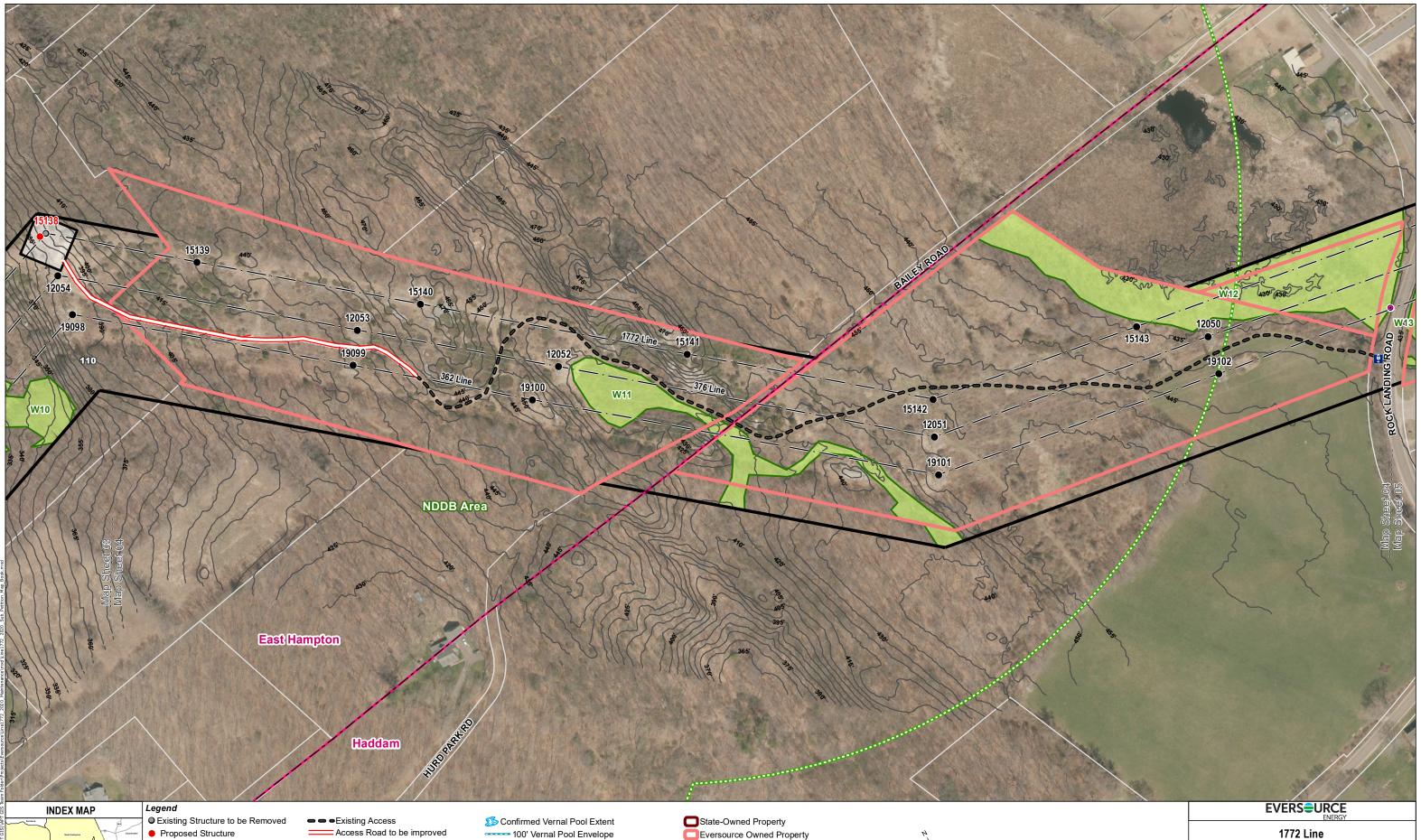
Map Sheet 03 of 07



Map Sheet 04 of 07 1772 Line – Structure Replacement Project Abutters List

<u>Line List</u> <u>Number</u>	Owner Name	Parcel Address	<u>City</u>	
110	BRIAN & NANCY J JENDRZEJCZYK	104 HURD PARK RD	EAST HAMPTON	

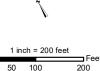
<u>State</u>	
СТ	



 Proposed Access Existing Structure - · - Overhead Eversource Line
Existing Right-of-Way (ROW) Stone Work Pad - Delineated Perennial Watercourse - 5' Contour Line Delineated Intermittent Watercourse 9 Gate ------ Delineated Wetland Boundary Outline Culvert Field Delineated Wetland

🔀 Temporary Construction Matting 100-Year Flood Zone Ratural Diversity Database Area (June 2019) CT NE Cottontail Focus Area

Parcel Boundary ------ Municipal Boundary ----- Map Sheet Matchline



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Structure Replacement Project

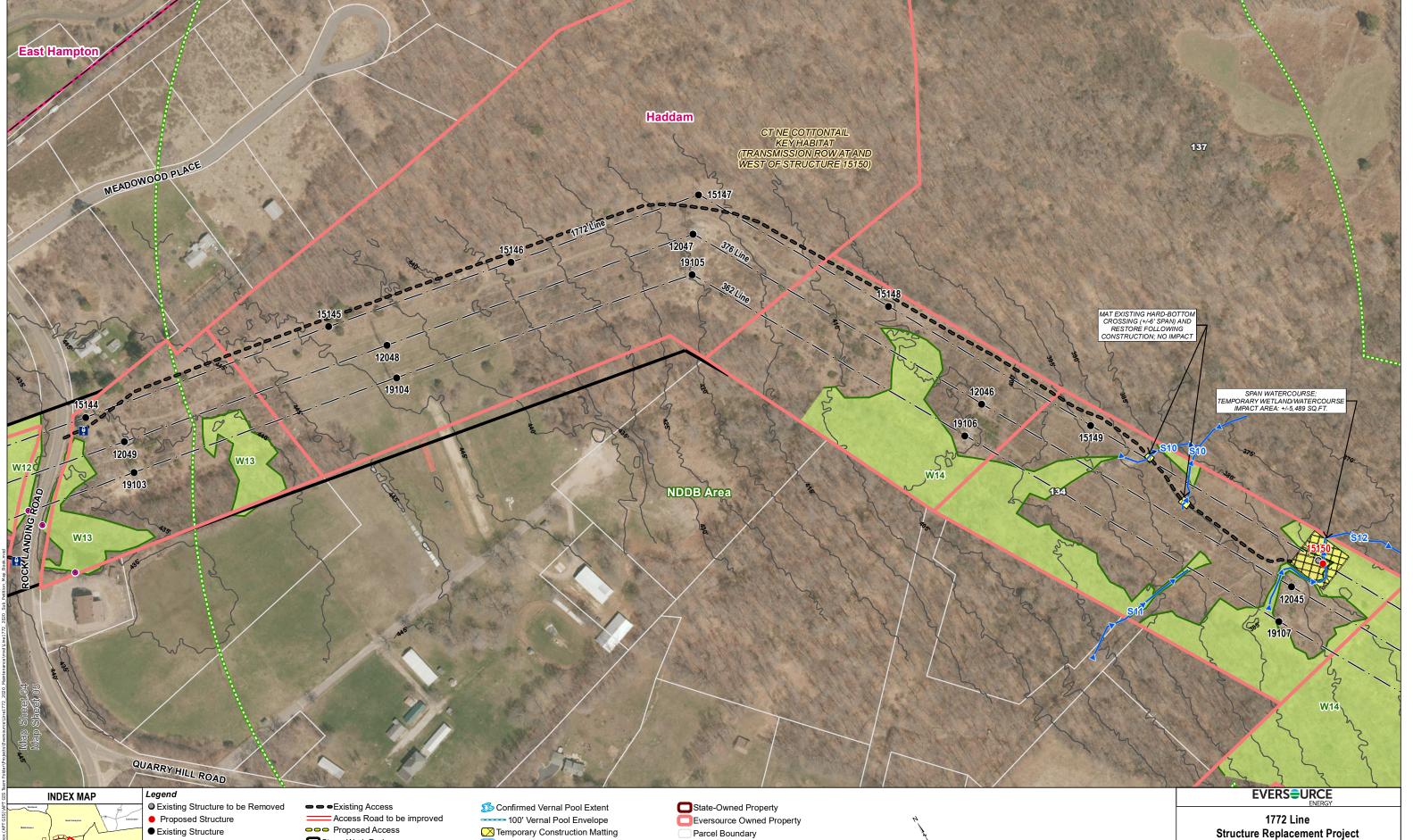
Map Sheet 04 of 07 East Hampton and Haddam, CT Date: November, 2019



Map Author: N. Castro

Map Sheet 05 of 07 1772 Line - Structure Replacement Project Abutters List

Line List Number	Owner Name	Parcel Address	<u>City</u>	<u>State</u>
134	THE CONNECTICUT LIGHT & POWER CO	QUARRY HILL RD	HADDAM	СТ
137	LAWRENCE M. & DEBORAH J. FREY	QUARRY HILL RD	HADDAM	СТ



- Existing Structure - · - Overhead Eversource Line
 Existing Right-of-Way (ROW) - 5' Contour Line 🔮 Gate Culvert
- Stone Work Pad - Delineated Perennial Watercourse

 Delineated Intermittent Watercourse ----- Delineated Wetland Boundary Outline Field Delineated Wetland

C Temporary Construction Matting 100-Year Flood Zone Ratural Diversity Database Area (June 2019) CT NE Cottontail Focus Area

- Parcel Boundary ----- Municipal Boundary
- ----- Map Sheet Matchline

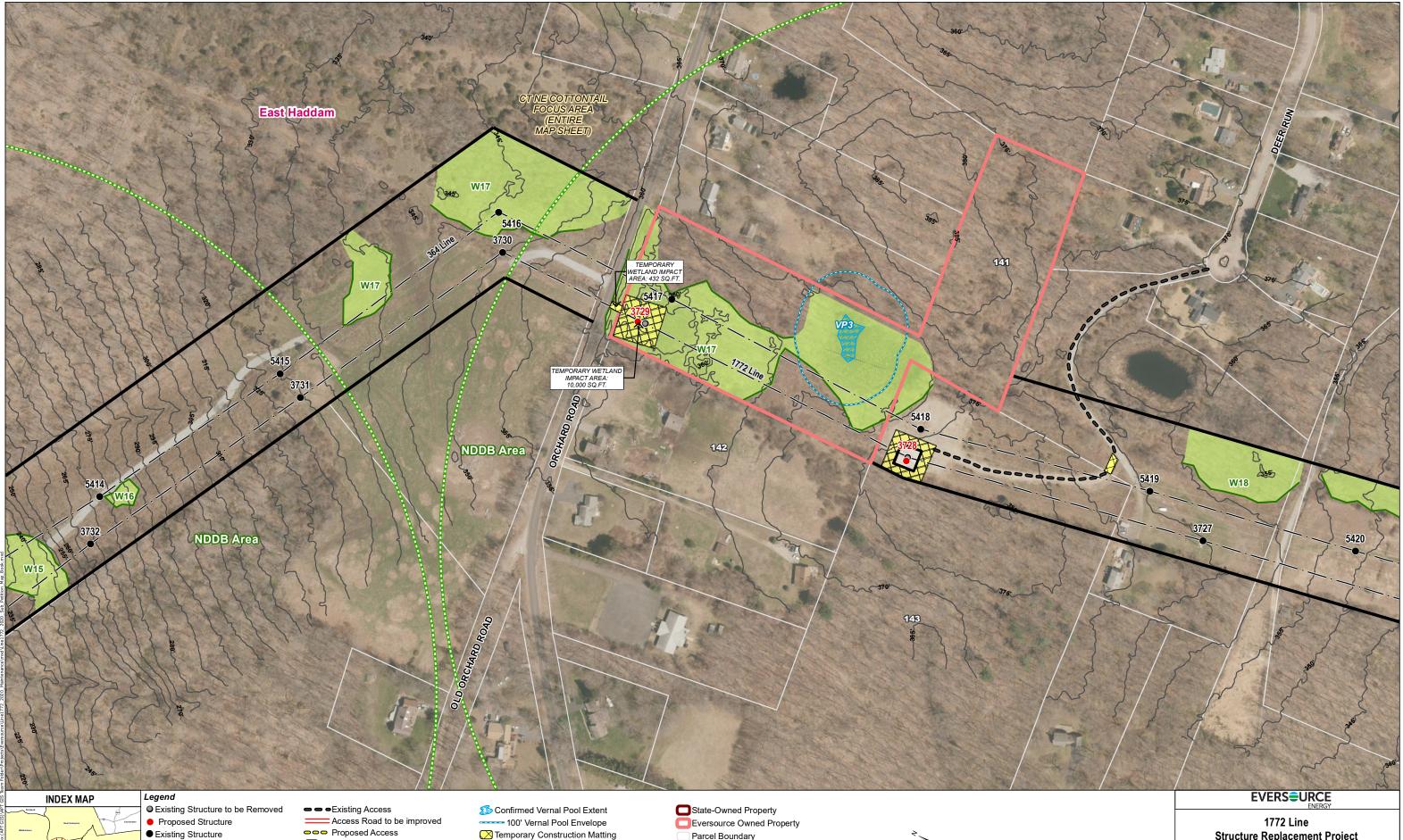


- Fee 50 100 200

East Hampton and Haddam, CT	Map Sheet 05 of 07
Date: November, 2019	
Map Author: N. Castro	TECHNOLOGY CORPORATION

Map Sheet 06 of 07 1772 Line - Structure Replacement Project Abutters List

Line List Number	Owner Name	Parcel Address	<u>City</u>	<u>State</u>
141	THE CONNECTICUT LIGHT & POWER CO	ORCHARD RD	EAST HADDAM	СТ
142	KARIN BUNDY	60 ORCHARD RD	EAST HADDAM	СТ
143	SCOTT J PANDOLFI	30 ORCHARD RD	EAST HADDAM	СТ





- Existing Structure - Overhead Eversource Line
 Existing Right-of-Way (ROW) - 5' Contour Line 9 Gate Culvert
- Proposed Access Stone Work Pad Delineated Perennial Watercourse

 Delineated Intermittent Watercourse ----- Delineated Wetland Boundary Outline Field Delineated Wetland

🔀 Temporary Construction Matting 100-Year Flood Zone Ratural Diversity Database Area (June 2019) CT NE Cottontail Focus Area

- Parcel Boundary ------ Municipal Boundary ----- Map Sheet Matchline

1 inch = 200 feet - Fee 0 50 100 200

Structure Replacement Project				
East Haddam, CT	Map Sheet 06 of 07			
Date: November, 2019				
Map Author: N. Castro	TECHNOLOGY CORPORATION			

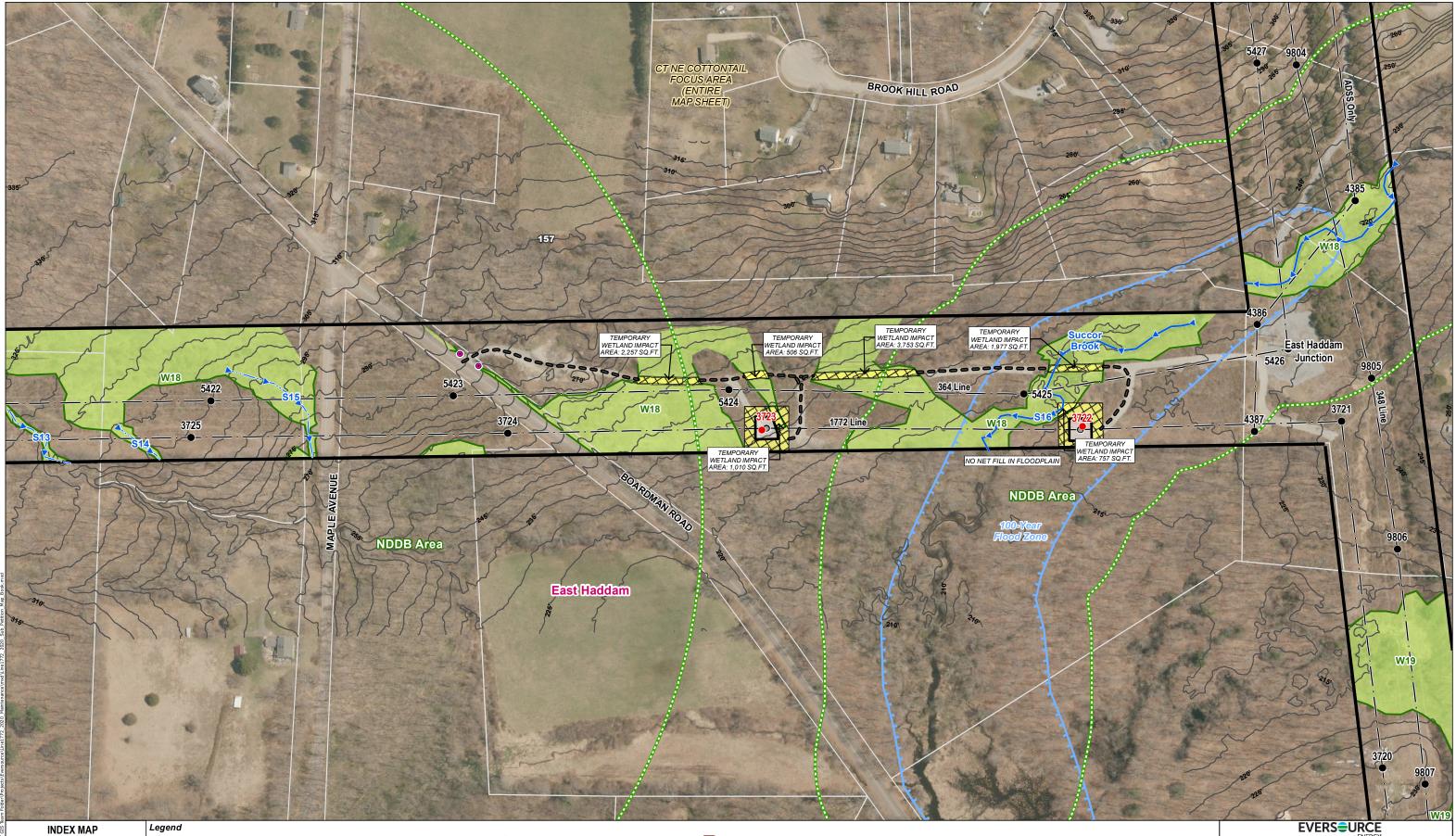
TECHNOLOGY CORPORATION

Map Sheet 07 of 07 1772 Line - Structure Replacement Project Abutters List

<u>Line List</u> <u>Number</u>	Owner Name	Parcel Address	<u>City</u>
157	BALLEK REALTY ASSOCIATES	90 MAPLE AVE	EAST HADDAM

<u>State</u>

СТ





Existing Structure to be Removed Proposed Structure Existing Structure - Overhead Eversource Line Existing Right-of-Way (ROW) - 5' Contour Line 9 Gate Culvert

•• • Existing Access Access Road to be improved Proposed Access Stone Work Pad Delineated Perennial Watercourse

 Delineated Intermittent Watercourse ----- Delineated Wetland Boundary Outline Field Delineated Wetland

🔊 Confirmed Vernal Pool Extent ----- 100' Vernal Pool Envelope 🔀 Temporary Construction Matting 100-Year Flood Zone Ratural Diversity Database Area (June 2019) CT NE Cottontail Focus Area

State-Owned Property Eversource Owned Property Parcel Boundary ------ Municipal Boundary ----- Map Sheet Matchline

1 inch = 200 feet

50 100

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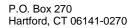
Fee

200

1772 Line		
Structure Replacement Project		

East Haddam, CT	Map Sheet 07 of 07
Date: November, 2019	
Map Author: N. Castro	TECHNOLOGY CORPORATION

ATTACHMENT D ABUTTER LETTER AND PROOF OF NOTICE





December 30, 2019

Dear Neighbor,

As part of our everyday effort to deliver reliable energy to our customers and communities, we're planning work in your area to replace electric transmission structures. Maintaining the infrastructure that supports the electric lines is one of the ways Eversource ensures the safe, secure transmission of electricity throughout the region.

You're receiving this letter and a copy of the Sub-Petition because the proposed work would be taking place within the right of way on or near your property in Middletown, East Hampton, Haddam, and East Haddam. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-MEHHEH-01 this week to the Connecticut Siting Council (CSC) for its review and approval.

About This Electric System Improvement: What You Can Expect

First, we want you to know that this work will not interrupt electric service to your property.

As part of this project, we are proposing to replace, and slightly increase the height of the existing wood structures. The new, weathering steel structures will increase in height by 9 feet or less, depending on the location.

We are proposing to do the work within the existing rights of way on or near your property. The new structures will provide continued reliability of the transmission system.

Connecticut Siting Council Process and Timing

With this letter, Eversource is providing notice to you of its proposed work activity, as described in the enclosed Sub-Petition. If you have any comments or concerns about the project, please send them to the CSC at the following address within 30 days of the date of this letter: Melanie Bachman, Acting Executive Director; Connecticut Siting Council; Ten Franklin Square; New Britain, CT 06051. You may also email them to the siting.council@ct.gov. If you choose to send comments to the CSC, please reference Sub-Petition No. 1293-MEHHEH-01 in your correspondence.

Our Commitment to You

We are committed to be a good neighbor and doing our work with respect for you and your property. If you would like more information about this work please call 1-800-793-2202, or send an email to ProjectInfo@eversource.com. Thank you.

Sincerely,

Eric LeBlanc

Eric LeBlanc Eversource Project Manager – Transmission Maintenance

AFFIDAVIT OF SERVICE OF NOTICE

STATE OF CONNECTICUT

ss. Hartford

COUNTY OF HARTFORD

In accordance with Condition 2 of the Connecticut Siting Council's ("Council") March 31, 2017 declaratory ruling on Petition No. 1293, I hereby certify that on December 30, 2019, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-MEHHEH-01 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipalities listed below and 6 abutters. The notice of the proposed maintenance activities states that comments or concerns regarding the maintenance activities described in the Sub-Petition should be submitted to the Council within 30 days of the date of such notice.

Municipal Officials:

City of Middletown Benjamin Florsheim, Mayor 245 deKoven Drive Middletown, CT 06457

Town of East Hampton David E. Cox, Town Manager 20 East High Street East Hampton, CT 06424 Town of Haddam Robert McGarry, First Selectman 30 Field Park Drive Haddam, CT 06438

Town of East Haddam Robert R. Smith, First Selectman P.O. Box 385 1 Plains Road Moodus, CT 06469

Vames L. Smith Project Siting Specialist

On this the 30^{++} day of December 2019, before me, the undersigned representative, personally appeared, James L. Smith, known to me (or satisfactorily proven) to be the person whose name is subscribed to the foregoing instrument and acknowledged that he executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

Notary Public My Commission expires:

