

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

Kathleen M. Shanley

Manager – Transmission Siting Tel: (860) 728-4527

August 20, 2020

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

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

Dear Attorney Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-HC-01 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Harwinton and Canton, Connecticut. The work includes replacing 19 existing transmission structures with new weathering steel transmission structures.

Eversource notified the officials of the municipalities of Harwinton and Canton 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).

Per the Council's instructions in response to COVID-19, Eversource is submitting this filing electronically and will be providing one hard copy for the Council's records. Eversource further understands that the Council will invoice the Company for the requisite \$625 filing fee.

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

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 ELECTRICAL SAFETY CODE CLEARANCE REQUIREMENTS

Towns: Harwinton and Canton

Sub-Petition 1293-HC-01

Project: 1900/1732 Transmission Line Structure Replacement Project

Structure Locations: 19 Transmission Line Structures located in Harwinton and Canton, Connecticut

I. <u>Introduction:</u>

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 1900/1732 Transmission Line Structure Replacement Project is part of an ongoing maintenance program that evaluates the integrity of its utility structures and implements repair, upgrade, or replacement to ensure the safe and reliable transmission of power to its customers. Due to asset condition, many structures supporting the 1900/1732 Lines require replacement between Bogue Road Junction in Harwinton and Campville Substation in Harwinton. Additional replacements are required to the east on the 1732 Line from a location just west of Powder Hill Road in Canton to the Canton Substation in Canton. The 1900 Line, in its entirety, is a 115-kilovolt line that extends from Campville Substation, in Torrington. The 1732 Line, in its entirety, is a 115-kilovolt line that extends from Campville Substation to Franklin Drive Substation, in Torrington and to Canton Substation. Of the structures that will be replaced, 19 structures require an increase in structure height to comply with current clearance requirements. The 19 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 19 existing wood structures with new weathering steel structures. Each replacement structure will be of the same design as its corresponding existing structure.

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 temporary access roads (collectively, the "Work Areas"). Eversource can access each of the structure replacement locations utilizing its existing rights; however, in one location, it is attempting to secure off-ROW access to minimize disruption to the daily operations of a local business.
- b) Collectively, the Work Activities would result in approximately 13,800 square feet ("SF") of temporary wetland impacts from the use of temporary matting required for the construction of work pads for five structures. There are no wetland impacts associated with the existing and/or proposed access roads. The temporary wetland impacts are as follows:

Wetland Number	Structure Number	Construction Work Pads Temporary Impacts (SF)	Access Roads Temporary Impacts (SF)
W16	2551	±2,600	0
W23	3213	±6,000	0
W30	3198	±200	0
W36	3195	±2,300	0
W39	2520	± 400	0
W40	2520	±2,300	0
Subtotals	3.	±13,800	0
TOTAL:		±13,	800

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 impact to nearby wetland and watercourse resources.

- c) No direct impacts to vernal pools ("VP") or vernal pool envelopes ("VPE") would result from the proposed Work Activities. However, one VP habitat has been identified ("VP-1") near some Work Areas. A portion of the work pad at Structure 3196 and a portion of the existing access to Structure 3198 would be located within the VPE associated with VP-1. Vernal pool species protection measures will be implemented where Work Activities extend into the VPE. The existing access is well established and would not be widened or altered and vegetation removal would be limited to hand clearing only. Non-elevated construction matting would be utilized on the work pad at Structure 3196 where it extends into the VPE to avert amphibian access and avoid entrapment. With the implementation of these protective measures, no adverse impacts to VP-1 or the VPE are anticipated from proposed Work Activities.
- d) Based on review of the Connecticut Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Database ("NDDB"), no Work Areas are proposed within a NDDB buffered area and wetland jurisdictional area and/or CTDEEP owned managed land. Therefore, the Work Areas would not be subject to an NDDB review request. Work would be conducted in accordance with Eversource's BMPs to avoid or minimize impact to terrestrial habitats that may support rare species. With these protective measures, no adverse impacts to state-listed rare species are anticipated.

- e) The Work Activities will not require tree clearing. However, Eversource may need to undertake tree trimming and/or vegetation removal/mowing within the managed ROW corridor for conductor clearance and/or to improve access to portions of the Work Areas.
- f) 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, seven proposed work pad locations and two proposed access road locations were identified to possess a potential for moderate to high archaeological sensitivity. Based on the results of a pedestrian survey, four work pad locations and one access road location retained the initial archaeological sensitivity assessment of moderate to high and a Phase 1B cultural resources survey (shovel pit testing) was recommended. Heritage completed a Phase 1B survey at these five locations and found physical evidence of archaeological significance at one location, designated as Locus 3192-1, which encompasses the entire work pad and a portion of the access road for Structure 3192. Subsurface disturbance of Locus 3192-1 will be avoided during construction by using temporary construction matting in the Work Areas; therefore, Heritage advised that no further examination is recommended or warranted.
- g) Increases in the heights of the 19 replacement structures will average approximately 8 feet. Structures 3195 and 4173 would increase in height by approximately 13.5 feet and Structures 4171 and 4172 would increase in height by approximately 18 feet. The remaining structure height increases would be below 10 feet.
- h) Work Activities associated with Structures 4171, 4172 and 4173 are located partially or entirely within the mapped 100-year flood zone associated with the Farmington River. Eversource would utilize its BMPs to minimize any impacts to the flood zone by utilizing temporary construction matting and by not placing fill that would increase the elevations of the existing or proposed road surfaces or work pads 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 is anticipated from the proposed Work Activities.
- i) 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.
- j) Any changes in electric and magnetic field levels outside the ROW would be negligible.

IV. Mitigation:

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.
- Vernal pool protective measures will be incorporated into the Eversource 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 amount 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 roads.
- Upon completion of the Work Activities, all disturbed/exposed areas will be stabilized and revegetated as needed. After the establishment of permanent ground cover, Eversource's contractor will 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 on Eversource property and/or within the ROW and existing access roads in upland areas may be hardened and widened at turning areas to facilitate the safe passage of construction vehicles. Construction matting will be used for temporary access roads within wetlands and to protect sensitive cultural areas as well as in agricultural/maintained lawn upland areas. The matting will be removed upon completion of the Work Activities and the area restored, as necessary.

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

Harwinton

- Lower Bogue Road for Structure 13009
- 24 Bumper Road for Structure 13013
- Breezy Hill Road for Structure 13025
- Weingart Road for Structure 13026
- Catlin Road for Structures 2551 and 3217A
- Yankee Passway for Structure 3213
- Litchfield Road for Structure 3205
- Barber Road for Structure 3199
- Delay Road for Structures 3198, 3196 and 3195
- Wild Cat Hill Road for Structures 3192, 3191 and 2520

Canton

- Ramp Road for Structure 4173 (off-ROW access from Powder Mill Road would be used if rights are obtained)
- Powder Mill Road for Structure 4172
- Albany Turnpike for Structure 4171
- Morgan Road for Structure 4169

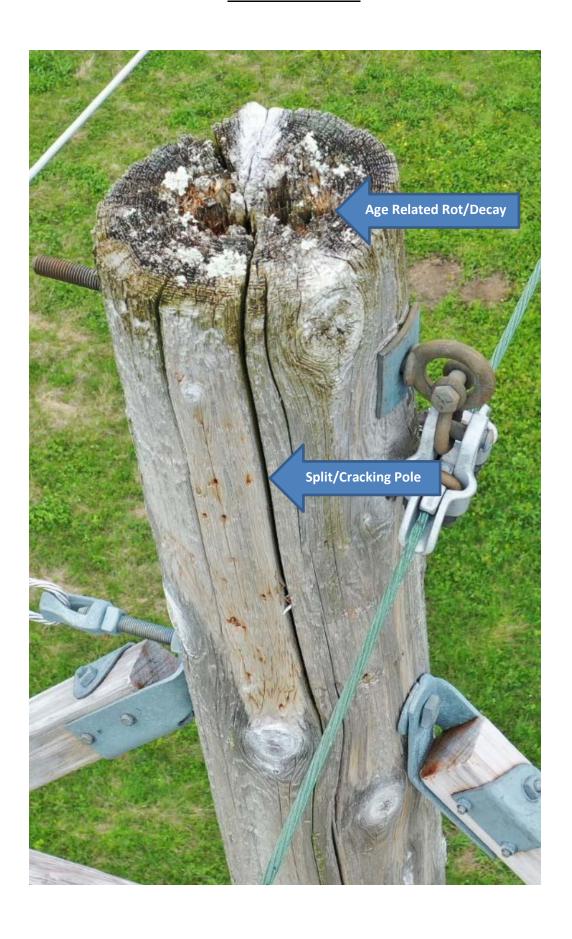
By:

Kathleen M. Shanley

Manager - Transmission Siting

ATTACHMENT B PHOTOGRAPHS

Structure #3199



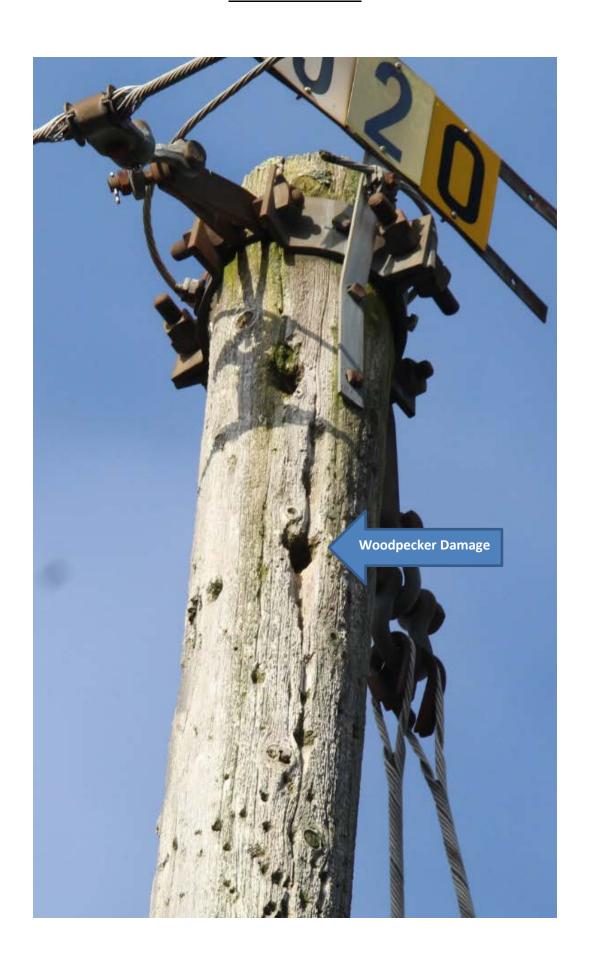
Structure #3217A



Structure #13009



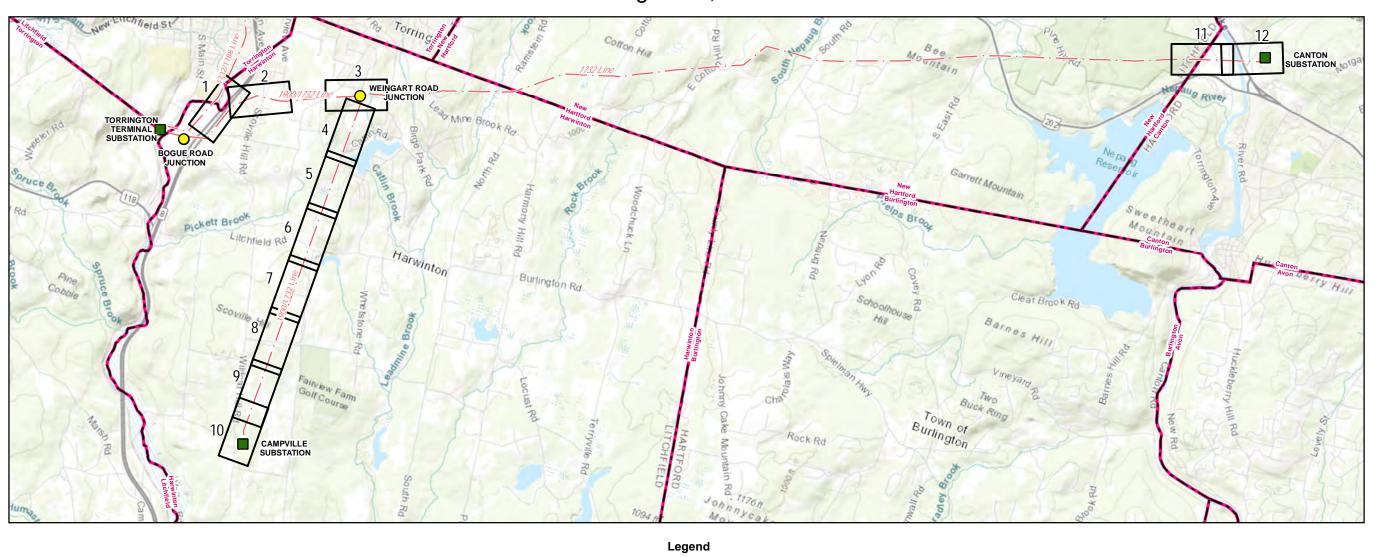
Structure #2520



ATTACHMENT C MAPS

Harwinton and Canton, CT Sub-Petition Map Set

August 19, 2020



PREPARED FOR:



Berlin, CT 06037

— · — Overhead Eversource Line

Map Sheet Substation Junction — Municipal Boundary

5,000 1 inch = 5,000 feet

INDEX OF FIGURES

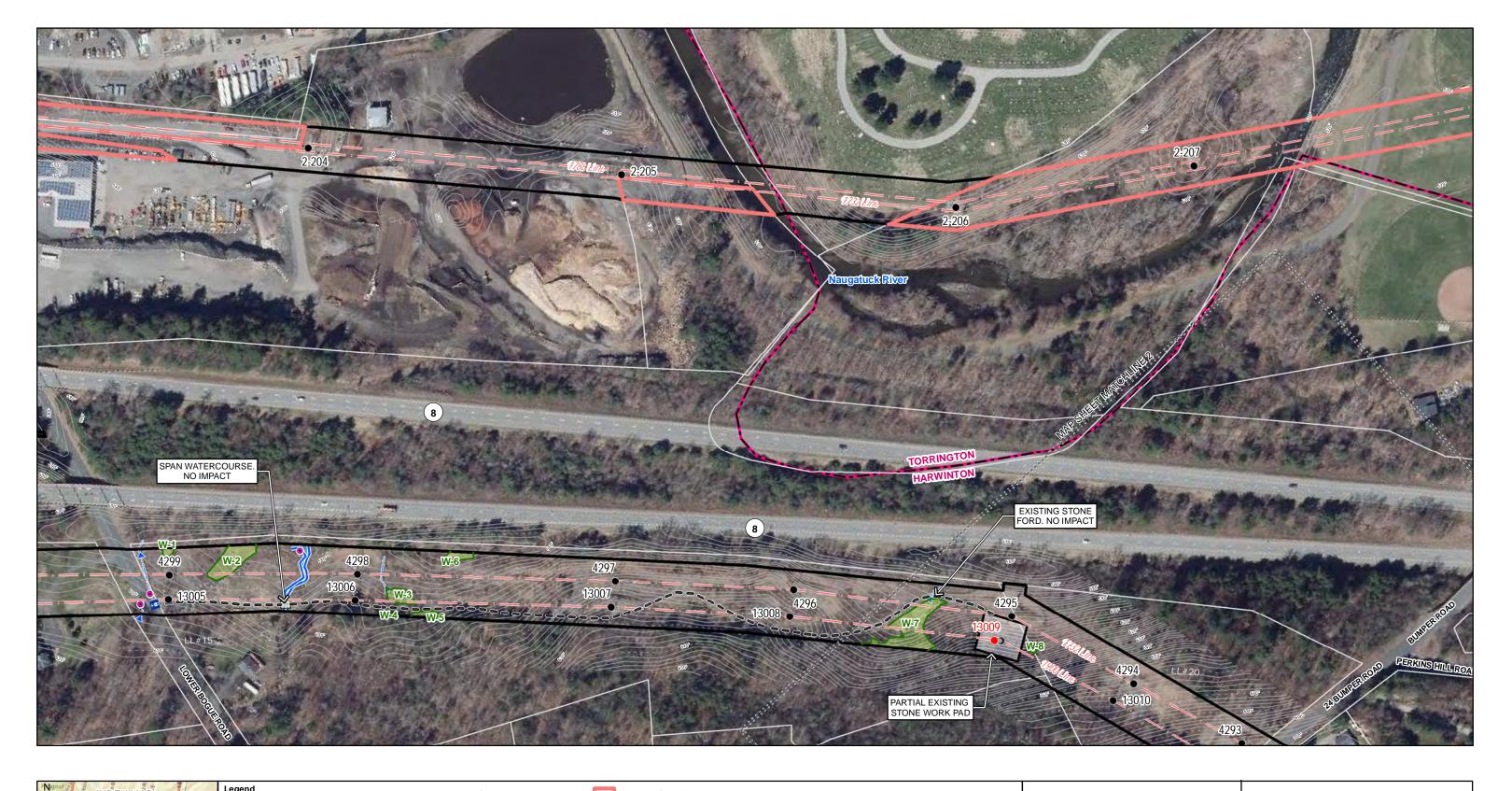
Title Sheet/Index Map 1-12 Map Sheets Abutter Tables

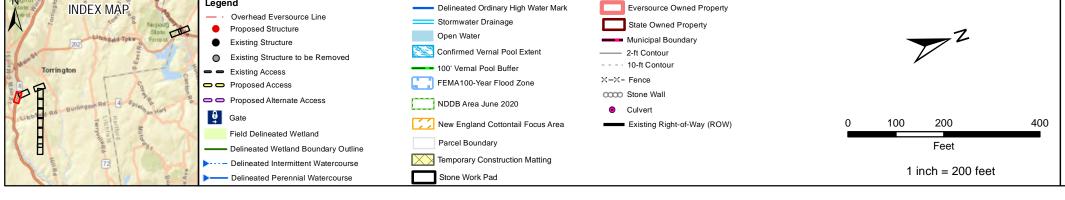
PREPARED BY:



Map Sheet 1 of 12

LINE LIST NO.	OWNER NAME	Parcel Address	PARCEL TOWN	PARCEL STATE
15	ROBERT J RUEGG	168 BOGUE ROAD	HARWINTON	CT
20	PERKINS 160 LLC	TWENTY FOUR BUMPER ROAD	HARWINTON	CT





Sub-Petition Map Set

08/19/2020

Torrington/Harwinton, Connecticut

Map Sheet 1 of 12

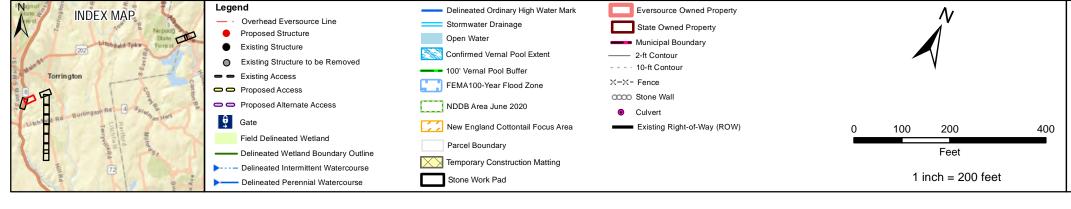




Map Sheet 2 of 12

LINE LIST NO.	OWNER NAME	Parcel Address	PARCEL TOWN	PARCEL STATE
15	ROBERT J RUEGG	168 BOGUE ROAD	HARWINTON	CT
20	PERKINS 160 LLC	TWENTY FOUR BUMPER ROAD	HARWINTON	CT
102	CONNECTICUT LIGHT & POWER CO	TWENTY FOUR BUMPER ROAD	HARWINTON	CT
103	CONNECTICUT LIGHT & POWER CO	SCOVILLE HILL ROAD	HARWINTON	CT





Sub-Petition Map Set 08/19/2020

Harwinton, Connecticut

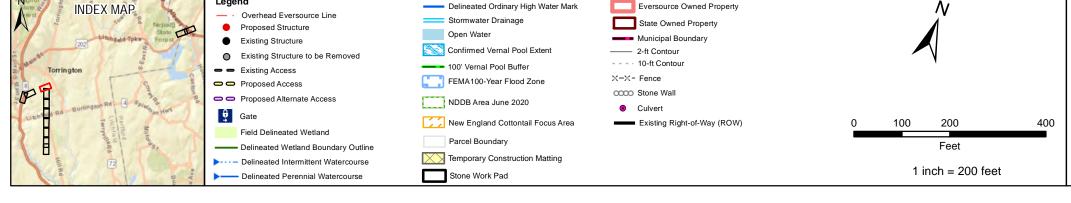
Map Sheet 2 of 12



Map Sheet 3 of 12

LINE LIST NO.	OWNER NAME	Parcel Address	PARCEL TOWN	PARCEL STATE
121	TIMOTHY DANGELO	59 WEINGART ROAD	HARWINTON	CT
124	THE CONNECTICUT LIGHT AND POWER CO	WEINGART ROAD	HARWINTON	CT





Sub-Petition Map Set

08/19/2020
Harwinton, Connecticut

Map Sheet 3 of 12

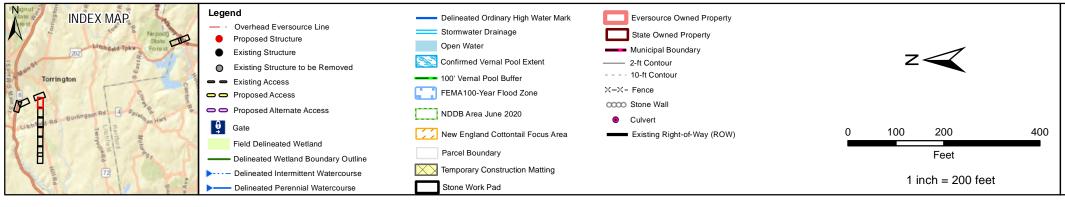




Map Sheet 4 of 12

LINE LIST NO.	OWNER NAME	Parcel Address	PARCEL TOWN	PARCEL STATE
124	THE CONNECTICUT LIGHT AND POWER CO	WEINGART ROAD	HARWINTON	CT
179	CONNECTICUT LIGHT & POWER CO	CATLIN ROAD	HARWINTON	СТ
196	LAKE HARWINTON ASSOCIATION	CATLIN ROAD	HARWINTON	СТ
200	LAKE HARWINTON ASSOCIATION	CATLIN ROAD	HARWINTON	СТ





Sub-Petition Map Set

08/19/2020
Harwinton, Connecticut

Map Sheet 4 of 12

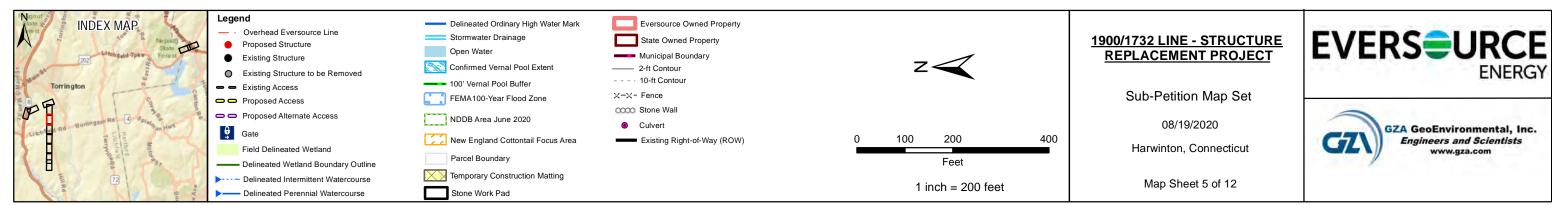




Map Sheet 5 of 12

LINE LIST NO.	OWNER NAME	Parcel Address	PARCEL TOWN	PARCEL STATE
209	CHRIS + STACIE HOYT	YANKEE PSWY	HARWINTON	CT
226	CONNECTICUT LIGHT & POWER CO	YANKEE PSWY	HARWINTON	CT





Map Sheet 6 of 12

LINE LIST NO.	OWNER NAME	Parcel Address	PARCEL TOWN	PARCEL STATE
284	FEDERAL NATIONAL MORTGAGE ASSOC	3 HILL ROAD	HARWINTON	CT
285	CONNECTICUT LIGHT & POWER CO	LITCHFIELD ROAD	HARWINTON	CT





Sub-Petition Map Set 08/19/2020

Harwinton, Connecticut

Map Sheet 6 of 12

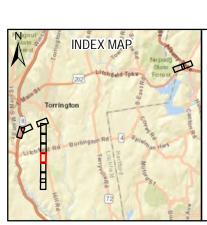




Map Sheet 7 of 12

LINE LIST NO.	OWNER NAME	Parcel Address	PARCEL TOWN	PARCEL STATE
289	TORRINGTON SAVINGS BANK TRUSTEE	135 HILL ROAD	HARWINTON	CT
291	DONALD A SMITH JR + NANCY S HENDRIX	105 HILL ROAD	HARWINTON	CT





Overhead Eversource Line

Proposed Structure

Existing Structure

Existing Structure to be Removed

■ ■ Existing Access

Proposed Access

Proposed Alternate Access

Gate

Delineated Wetland Boundary Outline

>--- Delineated Intermittent Watercourse Delineated Perennial Watercourse

Field Delineated Wetland

Delineated Ordinary High Water Mark

Stormwater Drainage Open Water

Confirmed Vernal Pool Extent

---- 100' Vernal Pool Buffer FEMA100-Year Flood Zone

NDDB Area June 2020

New England Cottontail Focus Area Parcel Boundary

Temporary Construction Matting Stone Work Pad

Eversource Owned Property State Owned Property ---- Municipal Boundary

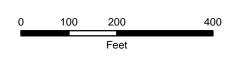
---- 2-ft Contour - - - · 10-ft Contour

x=x- Fence

OCCO Stone Wall Culvert

Existing Right-of-Way (ROW)





1 inch = 200 feet

1900/1732 LINE - STRUCTURE REPLACEMENT PROJECT

Sub-Petition Map Set

08/19/2020 Harwinton, Connecticut

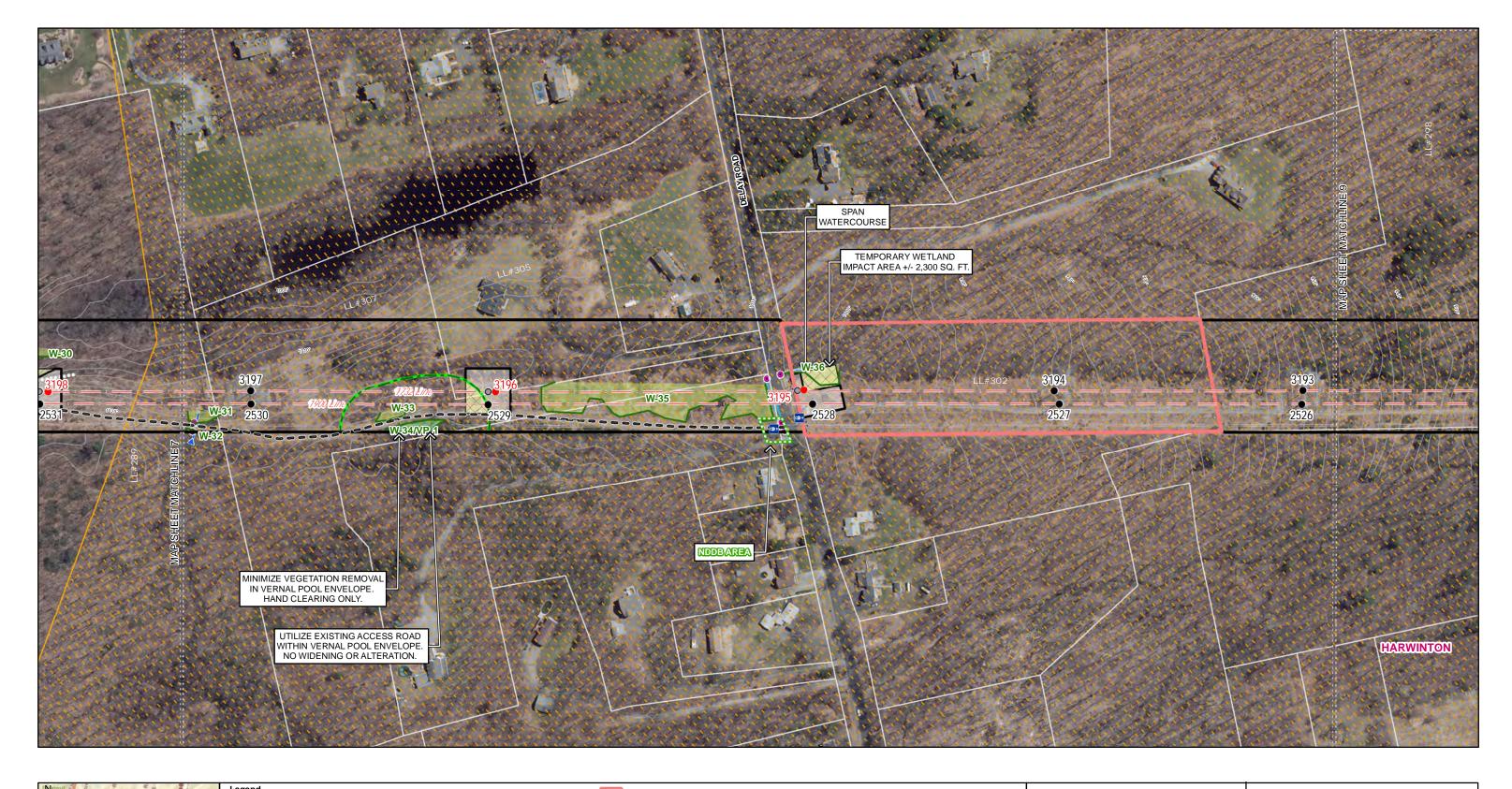
Map Sheet 7 of 12

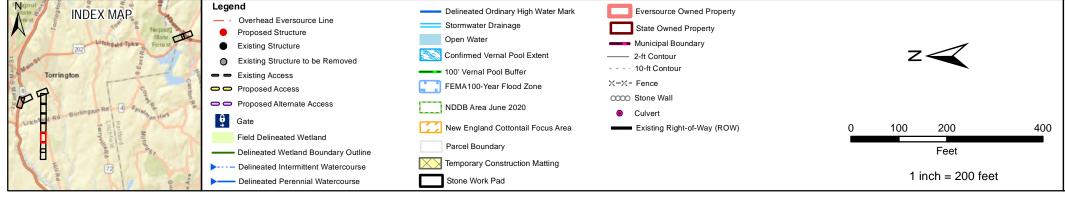




Map Sheet 8 of 12

LINE LIST NO.	OWNER NAME	Parcel Address	PARCEL TOWN	PARCEL STATE
289	TORRINGTON SAVINGS BANK TRUSTEE	135 HILL ROAD	HARWINTON	CT
298	JOHN P DOBUSH	WILDCAT HILL ROAD	HARWINTON	СТ
302	CONNECTICUT LIGHT & POWER CO	DELAY ROAD	HARWINTON	CT
305	MICHAEL VARANELLI	168 DELAY ROAD	HARWINTON	СТ
307	MANES & HOOVES LLC	170 DELAY ROAD	HARWINTON	CT





Sub-Petition Map Set 08/19/2020

Harwinton, Connecticut

Map Sheet 8 of 12

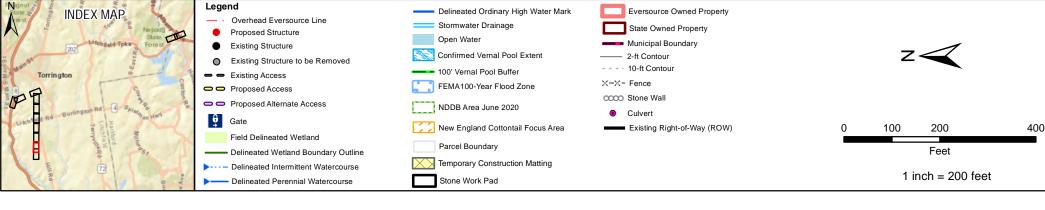




Map Sheet 9 of 12

LINE LIST NO.	OWNER NAME	Parcel Address	PARCEL TOWN	PARCEL STATE
298	JOHN P DOBUSH	WILDCAT HILL ROAD	HARWINTON	СТ
312	GEOFFREY & ELIZABETH COLOMBIE	310 WILDCAT HILL ROAD	HARWINTON	СТ





Sub-Petition Map Set 08/19/2020

Harwinton, Connecticut

Map Sheet 9 of 12

GZA GeoEnvironmental, Inc.

Engineers and Scientists

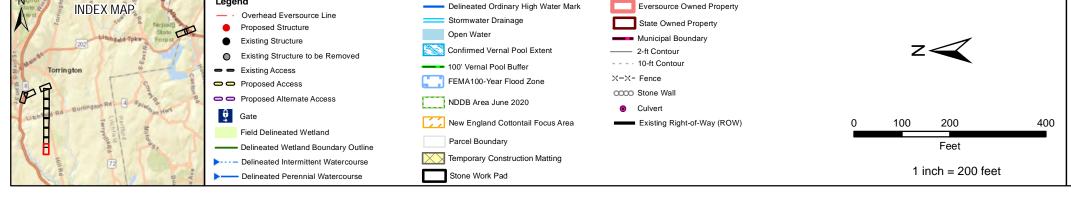
www.gza.com

EVERS=URCE ENERGY

Map Sheet 10 of 12

LINE LIST NO.	OWNER NAME	Parcel Address	PARCEL TOWN	PARCEL STATE
309	CONNECTICUT LIGHT & POWER CO	420 WILDCAT HILL ROAD	HARWINTON	СТ
312	GEOFFREY & ELIZABETH COLOMBIE	310 WILDCAT HILL ROAD	HARWINTON	СТ





Sub-Petition Map Set

08/19/2020

Harwinton, Connecticut

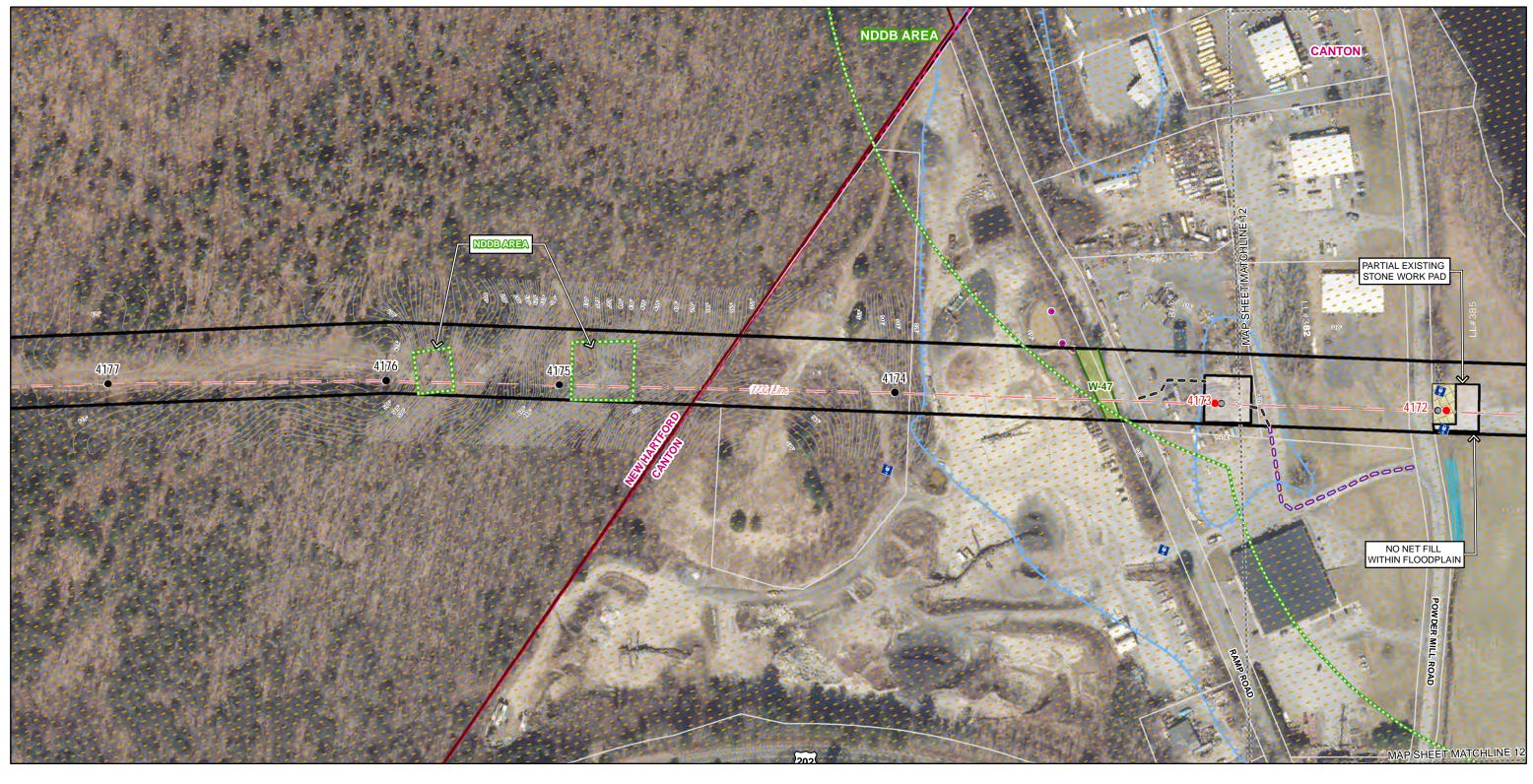
Map Sheet 10 of 12

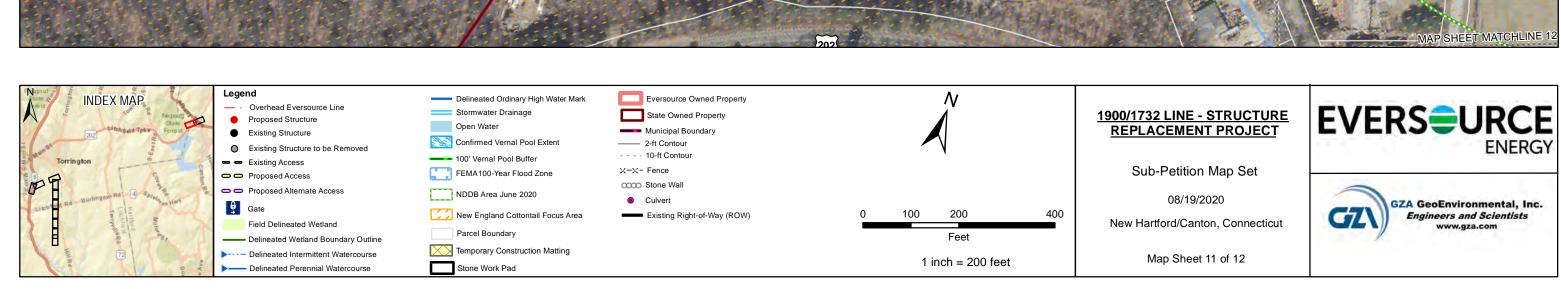




Map Sheet 11 of 12

LINE LIST NO.	OWNER NAME	Parcel Address	PARCEL TOWN	PARCEL STATE
378	TOWN OF CANTON	124 POWDER MILL ROAD	CANTON	CT
382	PAPANEK HOLDINGS LLC	122 POWDER MILL ROAD	CANTON	CT
385	COLLINSVILLE VOLUNTEER FIRE	91 POWDER MILL ROAD	CANTON	СТ

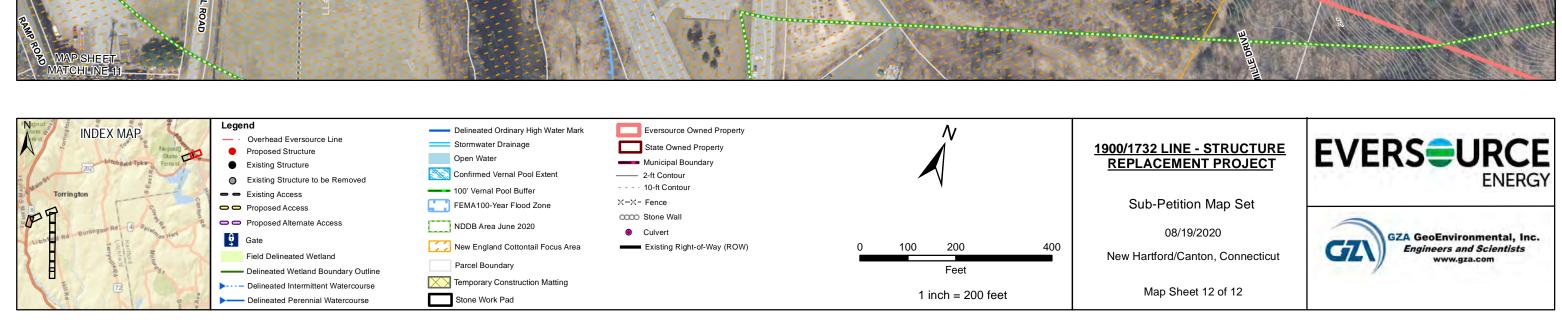




Map Sheet 12 of 12

LINE LIST NO.	OWNER NAME	Parcel Address	PARCEL TOWN	PARCEL STATE
378	TOWN OF CANTON	124 POWDER MILL ROAD	CANTON	CT
382	PAPANEK HOLDINGS LLC	122 POWDER MILL ROAD	CANTON	CT
384	TOWN OF CANTON	540 ALBANY TURNPIKE	CANTON	СТ
385	COLLINSVILLE VOLUNTEER FIRE	91 POWDER MILL ROAD	CANTON	CT
391	CONNECTICUT LIGHT & POWER CO	13 MORGAN ROAD	CANTON	СТ





ATTACHMENT D ABUTTER LETTER AND PROOF OF NOTICE



August 20, 2020

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 Harwinton and Canton. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting <u>Sub-Petition No. 1293-HC-01</u> this week to the Connecticut Siting Council (CSC) for its review.

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 damaged structures due to structure age, weather, and/or woodpecker activity. The height of the existing structures will increase, as necessary, to comply with current clearance requirements. The new structures will provide continued reliability of the transmission system.

The safety of our employees, our customers, and the public is our top priority during the ongoing coronavirus public health crisis. Our commitment to safety, first and always, is continuous.

At the same time, Eversource must fulfill its foundational mission to deliver safe, reliable services to our customers. We continue to call on our employees and contractors to perform essential work, such as this proposed project, that maintains and improves the reliability of our networks, while also adapting our work practices to incorporate social distancing, heightened hygiene, and other best practices to protect their, and the public's, health.

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, 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-HC-01 in your correspondence.

Our Commitment to You

We are committed to being 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,

Brian Raggozine

Brian Raggozine Eversource Project Manager – Transmission Projects

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 August 20, 2020, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-HC-01 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipalities listed below and 17 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:

Town of Harwinton CT Michael R. Criss, First Selectman 100 Bentley Drive, PO Box 66 Harwinton, CT 06791

Town of Canton CT Robert Bessel, First Selectman 4 Market Street, P.O. Box 168 Collinsville, CT 06022

> James L. Smith Project Siting Specialist

On this the ______ day of August 2020, 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.

Signature

Notary Public / My Commission expires

Officer of the Superior Court / Juris No. 4/3393