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P.O. Box 270
Hartford, CT 06103

Kathleen M. Shanley
Manager – Transmission Siting
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May 25, 2022

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

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

Dear Attorney Bachman:

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

Eversource notified the officials of the municipalities of Bloomfield and Manchester of Eversource's submission of the Sub-Petition (see Proof of Notice) and sent copies of the Sub-Petition to owners of directly abutting properties (see Proof of Notice).

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

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Kathleen M. Shanley". The signature is fluid and cursive, with a large, sweeping flourish at the end.

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
EVERSOURCE ENERGY**

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

Town: Bloomfield and Manchester

Sub-Petition: 1293-BM-01

Project: 3642 Transmission Line Structure Replacement Project

Structure Locations: Six Transmission Line Structures located in Bloomfield and Manchester, 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 3642 Transmission Line Structure Replacement Project ("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, six structures require replacement on a portion of the 3642 Line between Duncaster Road in Bloomfield and Chapel Road in Manchester. The 3642 Line in its entirety, is a 345-kilovolt ("kV") line that extends from Manchester Substation in Manchester to North Bloomfield Substation in Bloomfield. The structures to be replaced are wood H-frame structures. To comply with current clearance requirements, each replacement structure will need to be taller than the associated existing structure.

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

- Replace six 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 within Eversource’s property or existing right-of-way (“ROW”) utilizing existing access roads, some 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 can access each of the structure replacement locations utilizing its existing rights.
- b) Collectively, utilizing existing and temporary access roads, the Work Activities would result in approximately 17,837 square feet ("SF") of temporary wetland impacts from the temporary use of construction matting required for the construction of access roads and work pads for two structures as follows:

Wetland Number	Structure Number	Construction Work Pads Temporary Impacts (SF)	Access Roads Temporary Impacts (SF)
W2	20130	±6,682	0
W2	20128	0	±7,566
W3	20128	0	±3,589
<i>Subtotals:</i>		±6,682	±11,155
TOTAL:		±17,837	

Work would be conducted in accordance with Eversource’s *Best Management Practices Manual for Massachusetts and Connecticut (Construction and Maintenance Environmental Requirements), April 2022* ("BMPs") to avoid impacts to nearby wetland and watercourse resources.

- c) No vernal pools or vernal pool envelopes are located in proximity to the proposed Work Areas.
- d) Based on review of the CTDEEP Natural Diversity Database ("NDDB"), the Work Activities associated with the access road for Structure 20128 is proposed within an NDDB buffered area and a wetland jurisdictional area and therefore is subject to a NDDB review request. Eversource is currently in consultation with CTDEEP regarding the proposed Work Activities in the NDDB 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.
- e) The Work Activities will not require any tree clearing. However, Eversource will need to undertake tree trimming and/or vegetation removal/mowing to establish required conductor clearance, to improve access roads, and/or to install work pads within 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") identified one National Register of Historic Places district, Edward L. Burnham Farm, located within 500 feet of the Work Area associated with Structure 20028. The property will not be affected by the proposed Work Activities at Structure 20028 due to the like-for-like design and distance from the Work Area to the historical property. In addition, Heritage has identified one archeological site situated within 500 feet of the Work Areas associated with Structure 20028. As the site is located outside the proposed Work Areas, it will not be impacted by the Work Activities.

Based on a review of historic maps, aerial photographs, and available soil profiles, the remaining proposed Work Areas were identified to possess no/low archaeological sensitivity; therefore, Heritage advised that no additional archaeological examination is required.

- g) To comply with current conductor clearance requirements the height of the replacement structures will be increased. The existing structures range in height from 74.5 to 83.5 feet above ground level. The replacement structures will range in height from 79 to 101.5 feet above ground level. Four of the replacement structures would increase 9 feet or less. Structure 20131 would increase by 13.5 feet for an overall height of 88 feet and Structure 20028 would increase by 27 feet for an overall height of 101.5 feet.
- h) There are no 100-year flood zones in the Work Areas.
- 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 ("E&S") controls 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 the BMPs during construction.
- 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 to 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 establishing 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:

Two new permanent access road spurs would be constructed within Eversource's ROW in upland areas to facilitate access to Structures 20131 and 20130. 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, as well as in maintained upland areas. The matting will be removed upon completion of the Work Activities and the areas restored, as necessary.

Eversource will access the Work Areas by entering its ROW from existing access points on public roads as follows:

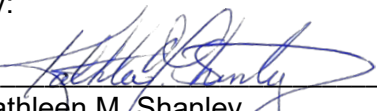
Bloomfield

- Duncaster Road for structures 20132, 20131, 20130 and 20128
- Beacon Hill Drive for structure 20127

Manchester

- Chapel Road for structure 20028

By:



Kathleen M. Shanley
Manager - Transmission Siting

ATTACHMENT B
PHOTOGRAPHS

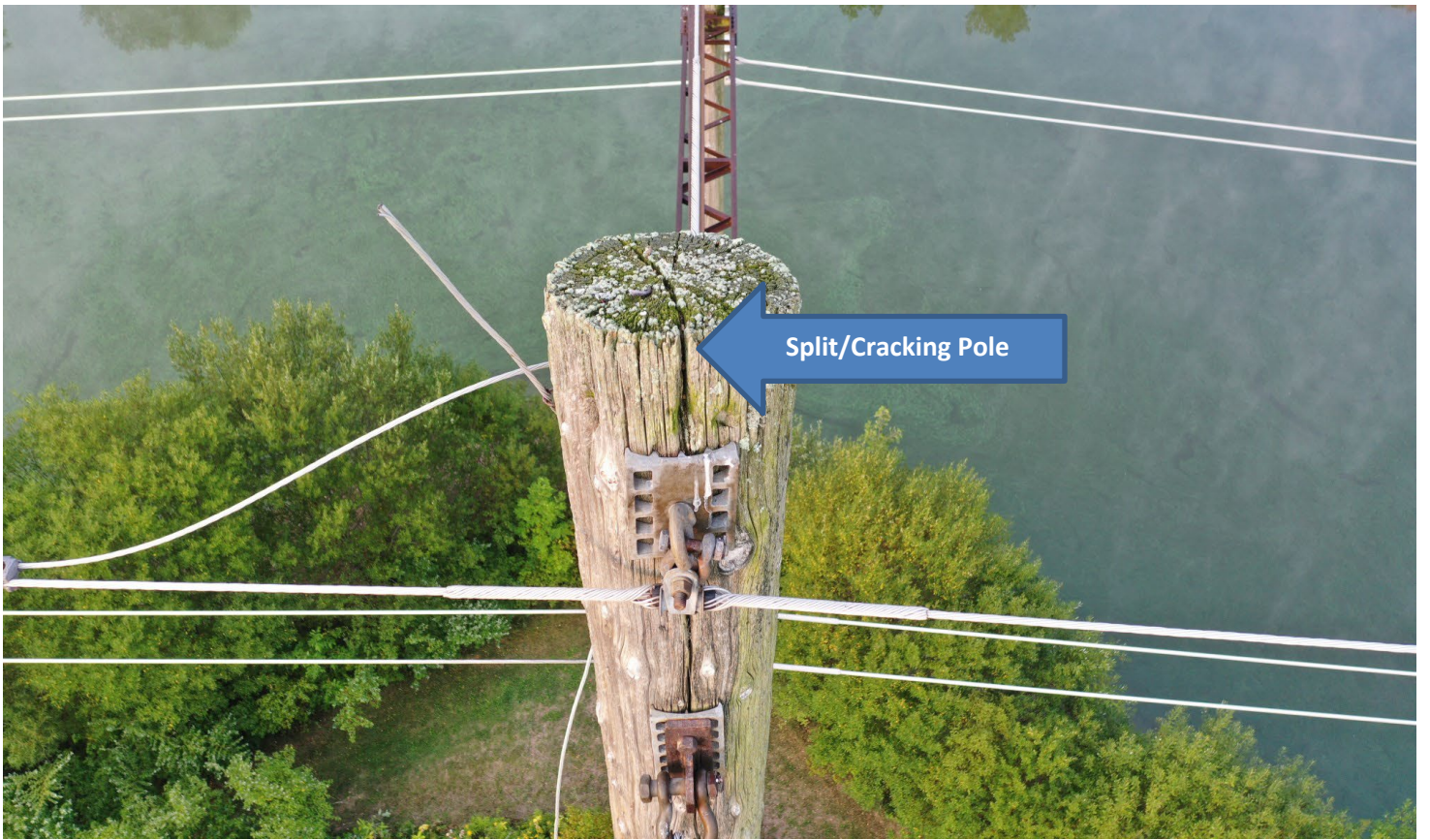
Structure #20131



Structure #20130



Structure #20127



Structure #20028



ATTACHMENT C

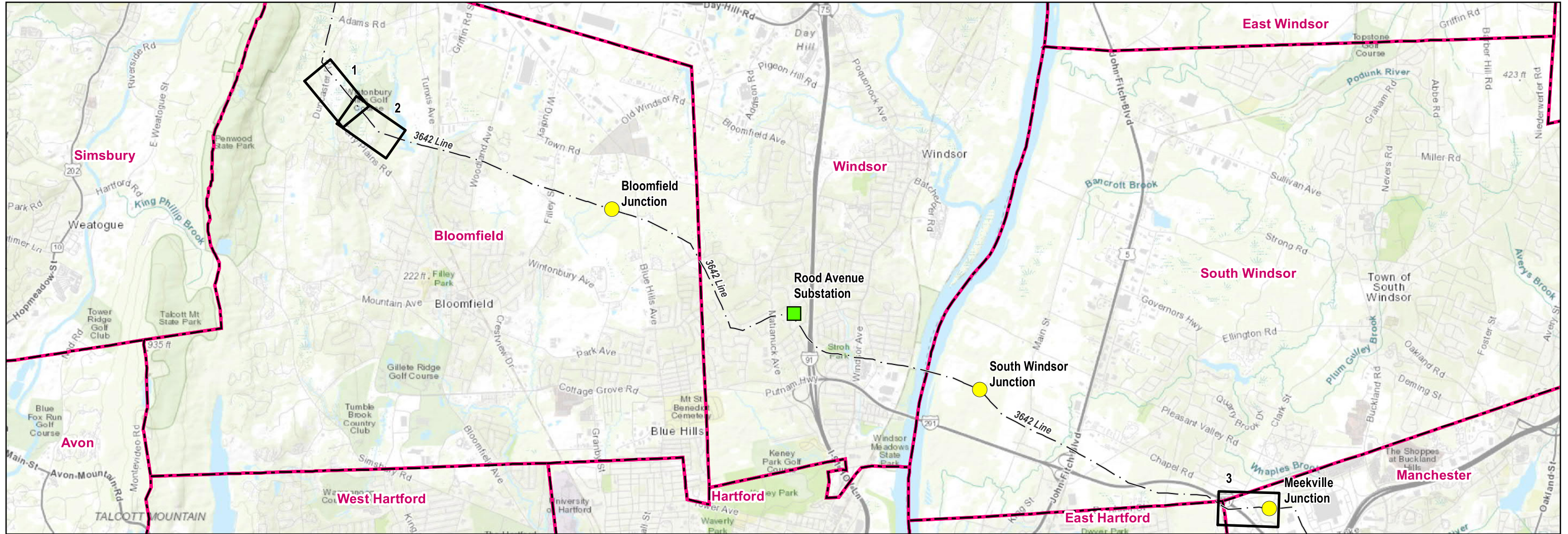
MAPS

3642 Line - Structure Replacement Project

BLOOMFIELD AND MANCHESTER, CT

Sub-Petition Map Set

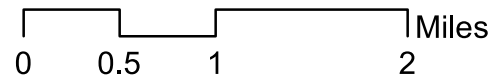
Date: May 16, 2022



Legend

- Municipal Boundary
- Overhead Eversource Line
- Map Sheet
- Junctions
- Substations

PREPARED FOR:
EVERSOURCE
 ENERGY
 107 Selden Street
 Berlin, CT 06037



INDEX OF FIGURES
 Title Sheet / Index Map
 Abutter Tables & Map Sheets 1-3

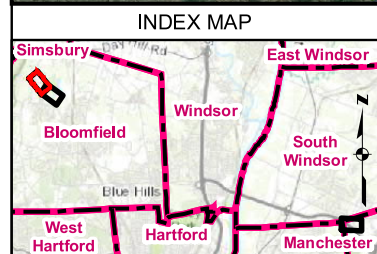
NO.	DATE	REVISIONS

PREPARED BY:
AECOM
 500 Enterprise Drive
 Rocky Hill, CT 06067

Map Sheet 1 of 3
3642 Line - Structure Replacement Project
Project Abutters List

Line List Number	Owner Name	Parcel Address	City	State	Zip Code
021A-058	THE CONNECTICUT LIGHT & POWER CO	DUNCASTER RD	BLOOMFIELD	CT	06002
021A-059	TOWN OF BLOOMFIELD	190 & 206 TERRY PLAINS RD	BLOOMFIELD	CT	06002

Bloomfield



Legend	
● Existing Structure Str Label	Gate
○ Existing Structure to be Removed	Temporary Construction Matting
● Proposed Structure Str Label	Stone Work Pad
--- Overhead Eversource Line	Existing Gravel
— Existing Right-of-Way (ROW)	Existing Access
■ Eversource Owned Property	Proposed Access
● Culvert	Rare Species (Dec. 2021)
— 10' Contour Lines	Parcel Boundary
— Field Delineated Wetland Boundary	Delineated Open Water
— Field Delineated Wetland	Open Water
— Temporary Silt Fence	

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

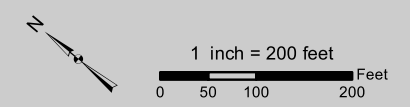
3642 Line - Structure Replacement Project

Bloomfield, CT

Map Sheet 1 of 3

5/16/2022

AECOM



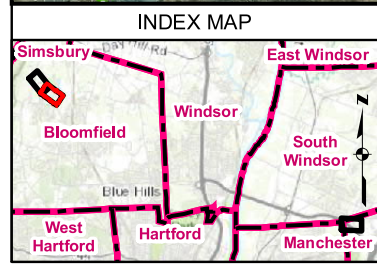
Map Sheet 2 of 3
3642 Line - Structure Replacement Project
Project Abutters List

Line List Number	Owner Name	Parcel Address	City	State	Zip Code
021A-059	TOWN OF BLOOMFIELD	190 & 206 TERRY PLAINS RD	BLOOMFIELD	CT	06002

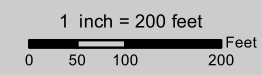


Bloomfield

North Branch
Park River Flood
Control Site 3



Legend	
● Existing Structure Str Label	Gate
○ Existing Structure to be Removed	Temporary Construction Matting
● Proposed Structure Str Label	Existing Access
--- Overhead Eversource Line	Rare Species (Dec. 2021)
--- Existing Right-of-Way (ROW)	State-Owned Property
█ Eversource Owned Property	10' Contour Lines
● Culvert	FEMA 100-Year Flood Zone
□ Parcel Boundary	Field Delineated Wetland Boundary
--- Field Delineated Wetland Boundary	Delineated Open Water
--- Delineated Open Water	Field Delineated Wetland
--- Field Delineated Wetland	Open Water
--- Open Water	Temporary Silt Fence
--- Temporary Silt Fence	LLNs/Property Owner



EVERSOURCE
ENERGY

3642 Line - Structure Replacement Project

Bloomfield, CT

Map Sheet 2 of 3

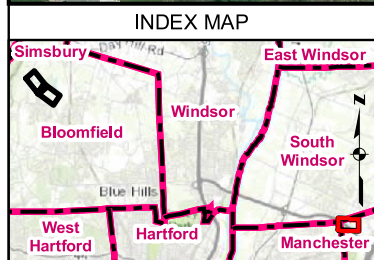
5/16/2022

AECOM

NO.	DATE	REVISIONS	BY	CHK	APP	APP

Map Sheet 3 of 3
3642 Line - Structure Replacement Project
Project Abutters List

Line List Number	Owner Name	Parcel Address	City	State	Zip Code
029-049	FIRST KOREAN PRESBYTERIAN	590 BURNHAM ST WEST	MANCHESTER	CT	06042



- Legend**
- Existing Structure Str Label
 - Existing Structure to be Removed
 - Proposed Structure Str Label
 - Overhead Eversource Line
 - Existing Right-of-Way (ROW)
 - ▭ Eversource Owned Property
 - ▭ Stone Work Pad
 - Existing Access
 - Municipal Boundary
 - 10' Contour Lines
 - ▭ Parcel Boundary
 - 105 LLNs/Property Owner
 - 🇺🇸 Interstates

N

1 inch = 200 feet

0 50 100 200 Feet

EVERSOURCE ENERGY			
3642 Line - Structure Replacement Project			
Manchester, East Hartford and South Windsor, CT			
Map Sheet 3 of 3			AECOM
NO.	DATE	REVISIONS	BY
			CHK
			APP
			APP
5/16/2022			

ATTACHMENT D
ABUTTER LETTER AND
PROOF OF NOTICE

May 25, 2022

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 Eversource right-of-way in Bloomfield and Manchester. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-BM-01 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 area.

As part of this project, we are proposing to replace six structures due to structure age, weather, woodpecker activity and/or clearance requirements. The new structures will be weathering steel, with a finish that "weathers" or darkens over time. The new structures will comply with current clearance requirements and 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, 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-BM-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,

Stephen Trychon

Stephen Trychon
Eversource Project Manager – Transmission Projects

