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P.O. Box 270  
Hartford, CT 06103

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

November 17, 2021

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

Re: Sub-Petition No. 1293-SW-02

Dear Attorney Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No. 1293-SW-02 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in South Windsor, Connecticut. The work includes replacing two existing wood transmission structures with new weathering steel transmission structures.

Eversource notified the officials of the municipality of South Windsor 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 initial "K" and "S".

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: South Windsor

Sub-Petition: 1293-SW-02

Project: 3557 Transmission Line Structure Replacement Project

Structure Locations: Two Transmission Line Structures located in South Windsor, 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 3557 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, two structures require replacement on a portion of the 3557 Line between Stanley Drive and Sullivan Avenue (State Route 194) in South Windsor. The 3557 Line in its entirety, is a 345-kilovolt ("kV") line that extends from Manchester Substation in Manchester to Barbour Hill Substation in South Windsor.

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 two 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 existing right-of-way ("ROW") utilizing existing 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) Utilizing existing access roads, the Work Activities would result in approximately 395 square feet ("SF") of temporary wetland impacts from the temporary use of construction matting required for the construction of a work pad for Structure 8491.

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 vernal pools or vernal pool envelopes are located in proximity to the proposed Work Areas.
- d) Based on review of the Connecticut Department of Energy and Environmental Protection's Natural Diversity Database ("NDDDB"), no Work Areas are proposed within a NDDDB buffered area. Therefore, the Work Areas would not be subject to an NDDDB 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 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 ("SHPO") conducted by Heritage Consultants, LLC ("Heritage") did not identify any National Register of Historic Places properties/districts or archaeological sites within 500 feet of the Work Areas.

Based on the results of the Phase 1A and a Pedestrian Survey, the work pad and access road associated with Structure 8508 was identified to possess a potential for moderate to high archaeological sensitivity and Heritage recommended a Phase IB Cultural Resource Assessment and Reconnaissance Survey (shovel pit testing). Fieldwork for the Phase IB is currently underway. Any additional investigations recommended by Heritage will be conducted and any subsequent protective measures recommended by Heritage will be incorporated into Eversource's BMPs during construction, as needed. Therefore, no impacts to cultural resources are anticipated as a result of the proposed Work Activities.

- g) Both structures require a height increase of approximately 4.5 feet to comply with current clearance requirements.
- 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.
- 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.

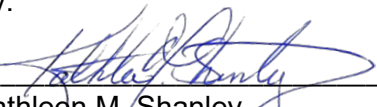
V. Access:

No new permanent access roads would be constructed to facilitate access to the structures; however, the existing access roads may be hardened and widened at turning areas to facilitate the safe passage of construction vehicles.

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

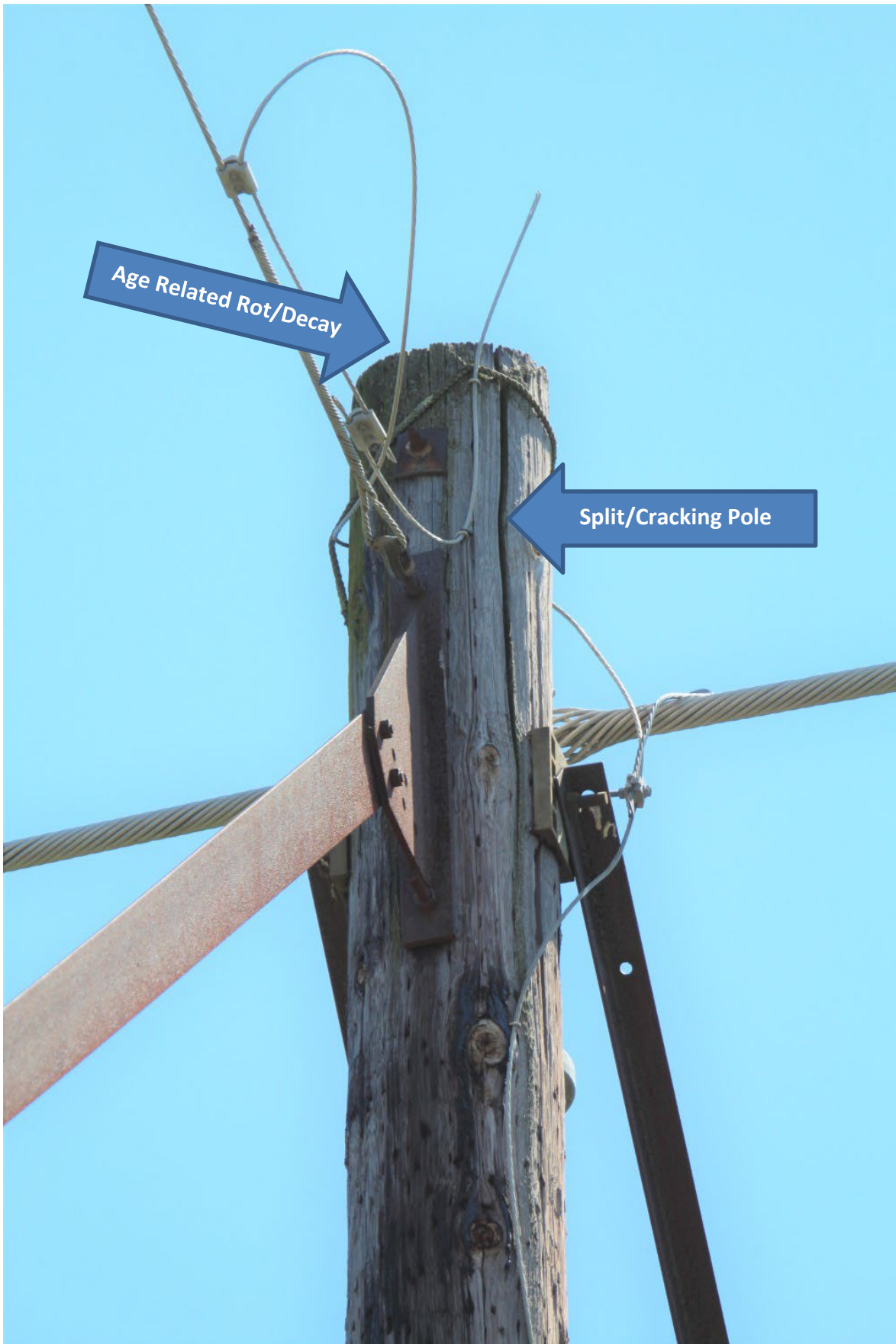
- Stanley Drive for structure 8491
- Sullivan Avenue (State Route 194) for structure 8508

By:

  
\_\_\_\_\_  
Kathleen M. Shanley  
Manager - Transmission Siting

**ATTACHMENT B**  
**PHOTOGRAPHS**

Structure #8491



Age Related Rot/Decay

Split/Cracking Pole

Structure #8508



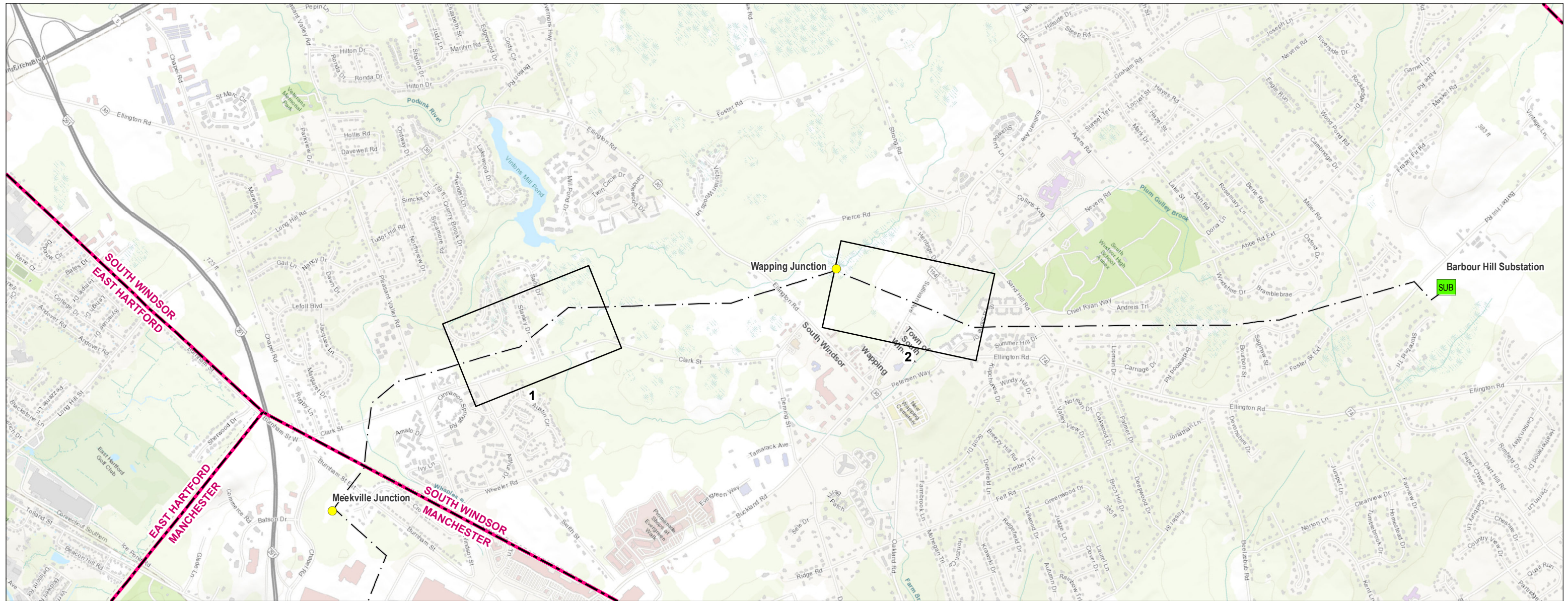


**ATTACHMENT C**

**MAPS**

# 3557 Line - Structure Replacement Project

South Windsor, CT  
 Sub-Petition Map Set  
 Date: November 03, 2021



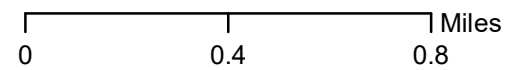
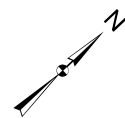
## Legend

- Junction
- SUB Substation
- Overhead Eversource Line
- - - Municipal Boundary
- Map Sheet

PREPARED FOR:



107 Selden Street  
 Berlin, CT 06037



INDEX OF FIGURES  
 Title Sheet / Index Map  
 Abutter Tables & Map Sheets 1-2

NO.	DATE	REVISIONS

PREPARED BY:



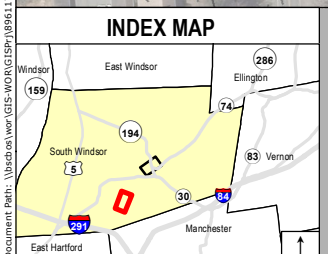
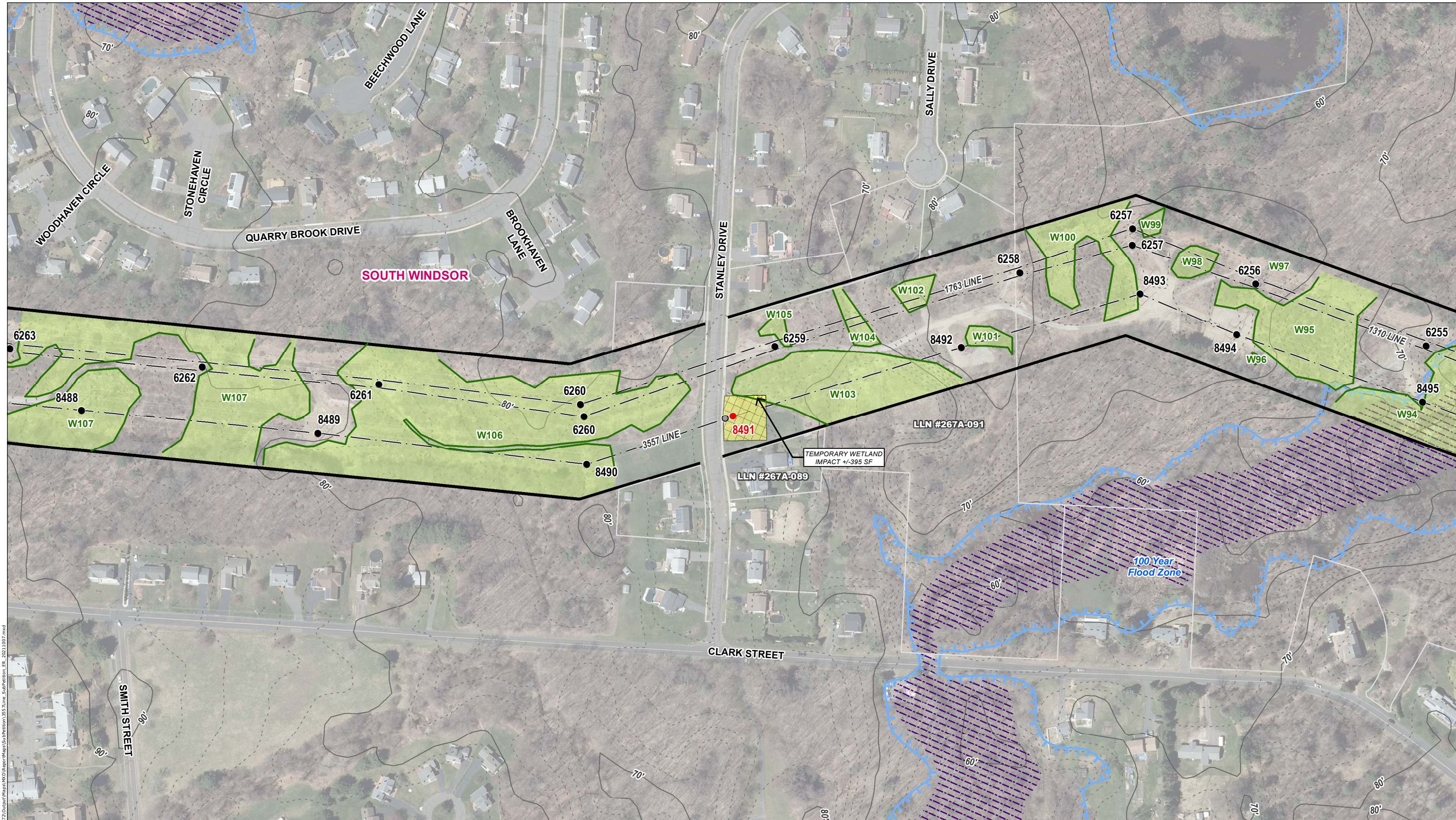
33 Waldo Street  
 Worcester, MA 01608

# 3557 Line - Structure Replacement Project

## Abutters List

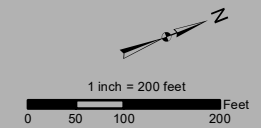
### Map Sheet 1 of 2

Line List	Owner First Name	Owner Last Name	Site Address	Town	State
267A-089	JEFFREY P & MARY	NADEAU	28 STANLEY DR	SOUTH WINDSOR	CT
267A-091	TOWN OF SOUTH WINDSOR		19 VICTOR LN	SOUTH WINDSOR	CT



**Legend**

- Existing Structure
- Existing Structure to be Removed
- Proposed Structure
- Overhead Eversource Line
- - - Existing Access
- ▨ Temporary Construction Matting
- Field Delineated Wetland Boundary
- ▨ Field Delineated Wetland
- ▨ FEMA Floodway
- ▨ FEMA 100-Year Flood Zone
- Existing Right-of-Way (ROW)
- ▨ Eversource Owned Property
- ▭ Parcel Boundary
- LLN #100 LLNs - Property Owner
- - - 2ft Contour Line
- 10ft Contour Line



NO.	DATE	REVISIONS

**EVERSOURCE**

**357 Line - Structure Replacement Project**

South Windsor, CT      MAP SHEET 1 of 2

Date: November, 2021

**BSC GROUP**

THIS MAPPING PRODUCT HAS BEEN CREATED TO COMPLY WITH SUBMITTAL REQUIREMENTS TO OBTAIN CERTAIN REGULATORY APPROVALS AND, AS SUCH, THERE IS NO RELIANCE ON THE INFORMATION CONTAINED HEREIN FOR ANY OTHER PURPOSE.

**3557 Line - Structure Replacement Project**  
**Abutters List**  
**Map Sheet 2 of 2**

<b>Line List</b>	<b>Owner First Name</b>	<b>Owner Last Name</b>	<b>Site Address</b>	<b>Town</b>	<b>State</b>
267A-066	TOWN OF SOUTH WINDSOR		1407 SULLIVAN AVE	SOUTH WINDSOR	CT



**ATTACHMENT D**  
**ABUTTER LETTER AND**  
**PROOF OF NOTICE**

November 17, 2021

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 South Windsor. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-SW-02 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 two structures due to structure age, weather, and/or woodpecker activity. 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](mailto:siting.council@ct.gov). If you choose to send comments to the CSC, please reference Sub-Petition No. 1293-SW-02 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](mailto:ProjectInfo@eversource.com). Thank you.

Sincerely,

*Brendt Corcoran*

Brendt Corcoran  
Eversource Project Manager – Transmission Projects



