

September 7, 2021

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

RE: Sub-Petition 1293-W-01

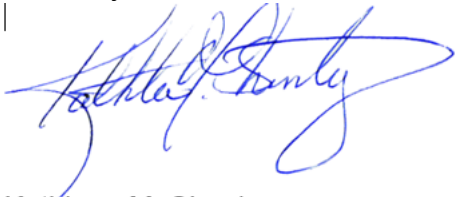
Dear Attorney Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-W-01 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Waterford, Connecticut. The work includes replacing 1 existing laminated wood transmission structure with a new light duty steel monopole structure.

Eversource sent the enclosed Sub-Petition to the municipality of Waterford and to owners of directly abutting property (see Proof of Notice).

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

Sincerely,



Kathleen M. Shanley
Manager – Transmission Siting

Attachments:

- Exhibit A. Sub-Petition
- Exhibit B. 100-Scale Maps
- Exhibit C. Abutter Letter and Proof of Notice
- Exhibit D. Photographs

**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 ELECTRIC SAFETY CODE
CLEARANCE REQUIREMENTS

Town: Waterford

Sub-Petition No-1293-W-01

Project: Laminated Wood System Transmission Line Structure Replacement Project

Structure Location: Transmission Structure located in the town of Waterford, 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 August 31, 2017 letter) regarding Petition No. 1293 ("CSC Ruling"), The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") submits this Sub-Petition.

II. Description of Transmission Work Activities:

Eversource's Laminated Wood Structure Replacement Program ("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 assure safe and efficient transmission of power to its customers. Eversource plans to conduct transmission structure replacement work to remediate the Laminated Wood Structure ("LWS") damage caused by wood rot and pole top rot (see Exhibit D Photographs), though the integrity of the LWS cannot be completely measured by conventional visual inspection and the remaining strength cannot be accurately estimated because most of the wood is rotting from within, or under, the mounting brackets. An engineering evaluation has determined that LWS H-frame structure 6020 requires replacement on the 1500/1605 Line, which is a 115-kV transmission line in Waterford, Connecticut.

The following work ("Work Activities") subject of this Sub-Petition will be performed:

- Replace one existing LWS dual circuit monopole with one light duty steel dual circuit monopole structure.
- Structure 6020 is 111 feet in height with telecommunications equipment located at 109 feet. Proposed replacement structure 6020 will be a 115 feet tall weathering steel monopole relocated 15 feet north/west of the existing structure toward structure 6021. The telecommunications equipment will be located at 109 feet.

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) Work Activities would take place within Eversource's existing right-of-way ("ROW") utilizing existing access routes (collectively the "Work Area").

- b) Work Activities would not result in any wetland impacts.
- c) According to Eversource's review of the Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Data Base ("NDDDB"), proposed Work Activities will not be located within a NDDDB area.
- d) The structure replacements will not require any tree clearing. However, Eversource may need to undertake minor tree trimming and/or vegetation mowing within the managed ROW corridor to improve access to portions of the Work Area.
- e) A review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office revealed that no National or State Register of Historic Places properties/districts are located within 500 feet of the Work Area. Based on a review of historic maps, aerial photographs and soil profiles, the proposed work pad location was identified to possess little potential for no/low archaeological sensitivity. The Work Area is situated on well-drained soil and dry land, which previously has been disturbed by many developments that have occurred in or near the Project. As a result, no additional archeological examination of the Work Areas is recommended prior to construction.
- f) The height of replacement structure is approximately 115 feet and will not exceed 115 feet with telecommunications equipment.
- g) The replacement structure would be located within 15 feet of existing structure.
- h) There are no 100-year flood zones in the Work Areas where the proposed Work Activities would be performed.
- i) There would be no change in noise levels following installation of the new structure.
- j) Any changes in electric and magnetic field levels outside of 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, throughout the execution of the Work Activities in accordance with the *2002 Connecticut Guidelines for Soil Erosion and Sediment Control* and the BMPs.
- 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 the public road to prevent tracking of soil onto local streets.
- Upon completion of the Work Activities, all disturbed/exposed areas would be stabilized and revegetated. 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

No new access roads would be constructed, though an existing access road may be hardened and temporarily widened at turning areas to facilitate the safe passage of construction vehicles.

Eversource would access the Work Areas by entering its ROW from an existing access point on the following public road and then continue on existing access roads as follows:

- Old Colchester Road, Waterford for structure 6020

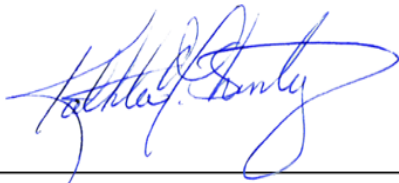
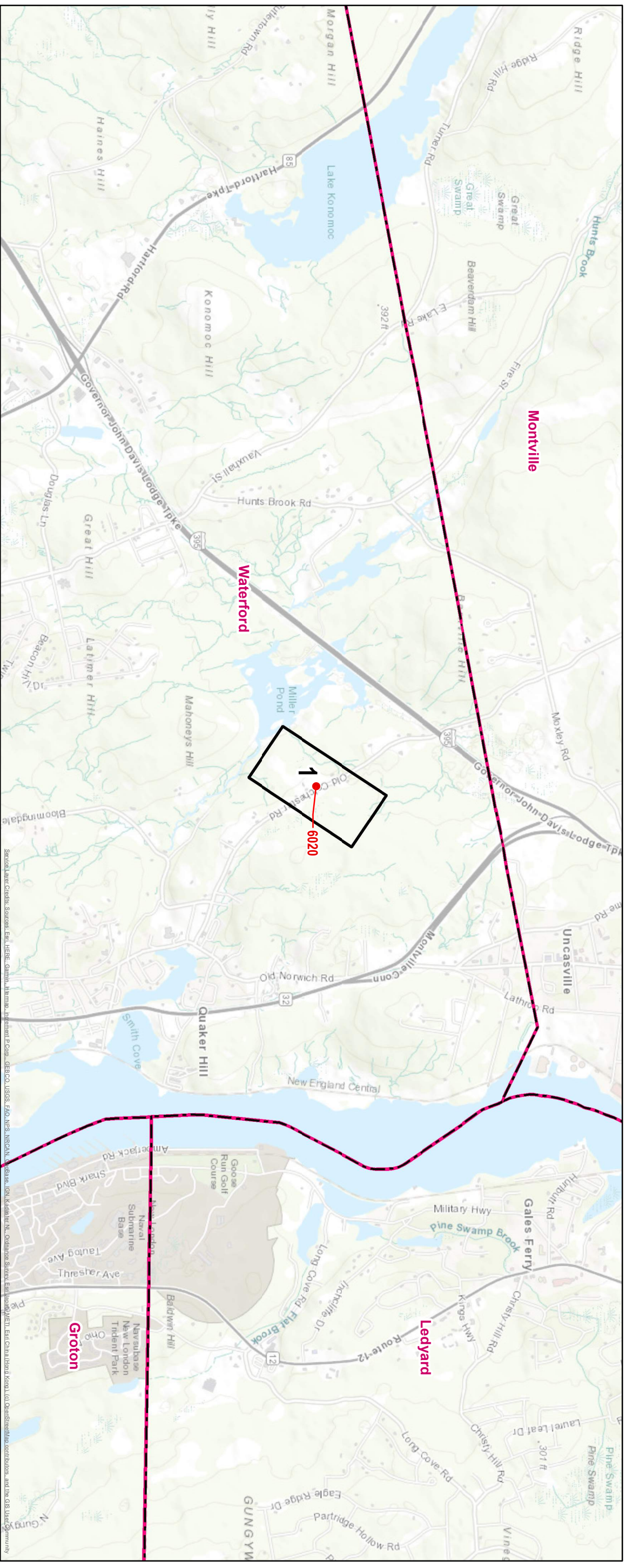
By: 
Kathleen M. Shanley
Manager – Transmission Siting

Exhibit B: 100-Scale Maps

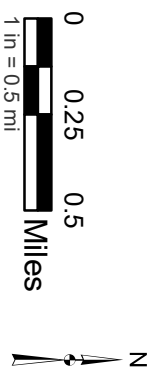
LAMINATE POLE REPLACEMENT PROJECT 1500/1605 LINE

Waterford, CT
Environmental Resources Map

FINAL MAP SET
August 05, 2021



Proposed Structure Municipal Boundary Map Sheet



PREPARED FOR:
EVERSOURCE ENERGY

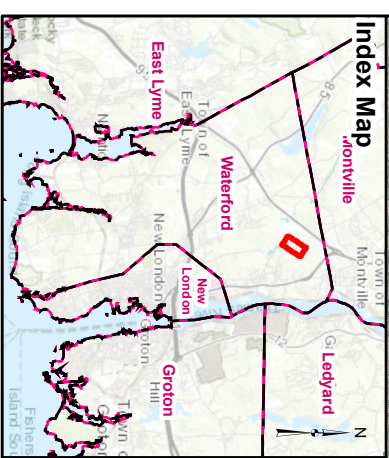
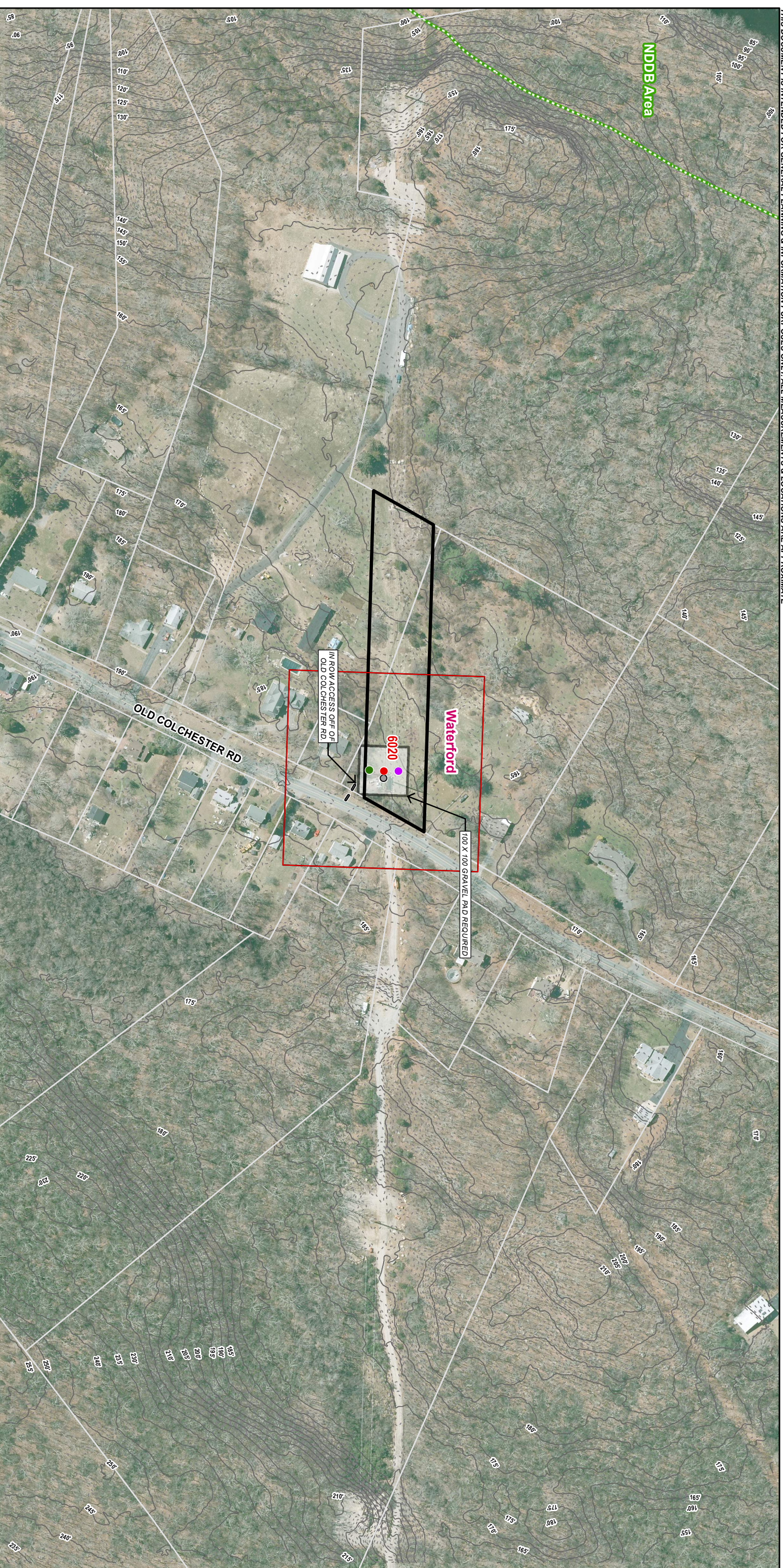
107 Selden Street
Berlin, CT 06037

INDEX OF FIGURES
T1 - TITLE SHEET
1 - PLAN SET SHEET

Date	No. of Revision	Description

PREPARED BY:
KLEINFELDER
Bright People. Right Solutions.

200 Corporate Place, Suite 310
Rocky Hill, CT 06067



Legend

- Proposed Structure**
- Left Ret Stake Structure Hub**
- Right Ret Stake Structure Hub**
- Existing Structure To Be Removed**
- Existing Access (all necessary rights in place)***
- Delimited Wetland Boundary*** (none in mapped extent)
- 100' 10' Contour Line*
- 2' Contour Line*
- Proposed AOI***
- Existing Right-of-Way**
- Temporary Construction Matting*** (none in mapped extent)
- Stone Work Pad***
- Delimited Wetland Area*** (none in mapped extent)
- FEMA 100-Year Flood Zone* (none in mapped extent)
- Floodway* (none in mapped extent)
- New England Contourline! (none in mapped extent)
- Critical Habitat - December 2019* (none in mapped extent)
- Natural Diversity Database - December 2020*
- Eversource Owned Property** (none in mapped extent)
- Parcel Boundary***

0 100 200 Feet
1 in = 200 ft

LAMINATE POLE REPLACEMENT PROJECT
1500/1605 LINE

Environmental Resources Map
FINAL MAP SET
Waterford, CT
Page 1 of 1

EVERSOURCE ENERGY
KLEINFELDER ENERGY

Note:
BaseMap Imagery: CT ECO Imagery, Ohio 2019
Public Data Acquired: CTDOERP GIS, USGS National Map, USFWS
Compiled By: Eversource
Map Created

8/5/2021 8:49:43 AM User: ADAmario

Exhibit C: Abutter Letter and Proof of Notice

September 7, 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 right-of-way in Waterford. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-W-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, and slightly increase the height of an existing wood structure. The new, weathering steel structure will increase in height by 6 feet or less.

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.

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-W-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,

Nick SanGiacomo

Nick SanGiacomo

Eversource Project Manager – Transmission Projects

AFFIDAVIT OF SERVICE OF NOTICE

STATE OF CONNECTICUT)
) ss. Berlin
COUNTY OF NEW LONDON)

Sec. 16-50j-40 of the Regulations of Connecticut State Agencies ("RCSA") provides that proof of notice to the affected municipalities, property owners and abutters shall be submitted with a petition for declaratory ruling to the Connecticut Siting Council ("Council"). In accordance with that RCSA section, I hereby certify that I caused notice of the petition for a declaratory ruling of The Connecticut Light and Power Company doing business as Eversource Energy to be served by mail or courier upon the following municipal official:

- First Selectman Rob Brule
Town of Waterford
Waterford Town Hall
15 Ferry Road
Waterford, CT 06385

I also certify that I caused notice of the proposed modifications to be served by mail or courier upon owners of abutting properties shown on the List of Abutters included in Attachment D of the Petition.


Nick SanGiacomo
Project Manager

On this the 7th day of September 2021, before me, the undersigned representative, personally appeared, Andrew Lord, 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: _____

Commissioner of the Superior Court/ Juris No.: 413393

Exhibit D: Photographs

Wood splitting from wood rot
inside



