

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

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

June 18, 2018

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

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

Dear Ms. Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-BL-01 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Bloomfield, Connecticut. The work includes replacing 4 existing wooden transmission structures with new weathering steel transmission structures.

Eversource notified the officials of the municipality of Bloomfield 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 C: 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: Bloomfield

Sub-Petition No. 1293-BL-01

Project: 3642 Transmission Line Structure Replacement Project

Structure Location: 4 Transmission Structures located in Bloomfield, 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 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 3642 Line between Adams Road and Bloomfield Junction in Bloomfield, Connecticut. The 3642 Line in its entirety, is a 345-kV transmission line that extends from North Bloomfield Substation in Bloomfield to Manchester Substation in Manchester. Of these replacements, four of the structures require slight increases in structure height to comply with current clearance requirements.

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 four existing wood H-Frame structures with new weathering steel H-Frame structures that are slightly taller (9 feet or less) than the existing structures. The replacement structures will be installed within 15 feet of the existing structures.

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 in areas within Eversource's property and existing right-of-way

("ROW") utilizing existing access roads as well some temporary access roads (collectively the "Work Areas").

- b) Work Activities would result in ±18,614 square feet ("SF") of temporary wetland impacts limited to temporary construction matting for the construction work pads at structures 20134 and 20123 (±13,503 SF) and the access road to structure 20102 (±5,111 SF). 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 would result from any of the proposed Work Activities. The vernal pools within the project area were previously mapped and evaluated under the recently constructed Bloomfield to Windsor Reliability Project (Petition 1217) and are therefore referenced using the line number corresponding with that project (1751 Line).

Vernal Pool ("VP") 1751-14 is located approximately 300 feet northeast from the proposed construction work pad at structure 20102 however, given the distance and separation of the Work Activities from the VP by a large dirt field, it is not likely that an adverse impact to the VP would result from the proposed Work Activities. The Work Activities associated with the access road to structure 20102 include some work within the 100-foot Vernal Pool Envelope of VP-1751-5 and VP-1751-6. The existing access road is located within a previously disturbed area and will utilize elevated construction matting through the temporary wetland crossing to facilitate amphibian access to the nearby pool. As the access road continues, it passes by VP-1751-4 and VP-1751-3. This section of the road is already graveled and does not need to be improved. However, since it is close to the vernal pools, silt fencing will be placed along the north side of the access road to prevent any vernal pool species from crossing the road during construction. No adverse impacts to vernal pools is anticipated to result from the Work Activities.

- d) As a result of Eversource's review of the Connecticut Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Data Base ("NDDB"), only the proposed Work Activities associated with structures 20134 and 20102 would be located within NDDB buffered areas and wetland jurisdictional areas. Eversource coordinated with NDDB in 2017 on the adjacent 1777/1751 lines for Petition 1217 and used this information to prepare the NDDB review request for Work Activities associated with the 3642 Line project. Subsequently, Eversource submitted an NDDB review request to CTDEEP in March 2018 regarding structure replacement work for the project and received a response from NDDB on May 14, 2018 with recommendations for the protection of rare species potentially present. The recommended protection measures identified in the NDDB letter have been accepted by Eversource and will be incorporated into the Company's BMPs, project plans and construction activities. With these protection measures, no adverse impacts to state-listed rare species are anticipated.
- e) The structure replacements will not require any clearing. However, Eversource may need to undertake minor tree trimming and/or vegetation removal/mowing within the managed ROW corridor to improve access to portions of the Work Areas.

- f) A Phase 1 assessment review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office conducted by Heritage Consultants, LLC revealed that no National or State Register of Historic Places properties/districts are located within 500 feet of the Work Areas. Based on a review of historic maps, aerial photographs and available soil profiles, all four of the proposed work pad locations and associated access roads were identified to possess either no or a low potential for archaeological sensitivity. Therefore, no surveys or subsurface testing is recommended.
- g) Increased heights of the four replacement structures would average approximately 7 feet and none will exceed 9 feet.
- h) Replacement structures would be located within 15 feet of existing structures.
- i) With the exception of an existing access road to structure 20102, which partially traverses a 100-year flood zone associated with an unnamed tributary of Beamens Brook, there are no 100-year flood zones in the Work Areas. No work will occur within the mapped 100-year flood zone except for the use of temporary construction matting through a wetland area. Eversource would utilize its BMPs to minimize any impacts to the flood zone associated with the existing access road by not placing fill that would increase the elevations of the existing road surface to ensure that the floodplain hydrology is not adversely affected. Therefore, it is not likely that an adverse impact to the 100-year flood zone will result from the proposed Work Activities.
- j) No change in noise levels would result from installation of the new structures and the line would continue to comply with the State of Connecticut noise regulations.
- k) Any changes in electric and magnetic field levels outside of the ROW would be negligible.

IV. <u>Mitigation:</u>

Temporary environmental effects from construction will be mitigated as follows:

- Erosion and sediment controls 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.
- Potential impacts to wetlands will be mitigated with the use of temporary matting and adherence to the BMPs.
- Any vernal pool protective measures will be incorporated into the Eversource's BMPs during construction.
- NDDB recommended rare species protective measures will be incorporated into the Company's BMPs during construction.
- Eversource's contractor would 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.

- Potential impacts to a 100-year flood zone associated with an unnamed tributary of Beamens Brook would be avoided with adherence to the BMPs and by not increasing the elevations of existing access roads.
- 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. <u>Access:</u>

No new permanent access roads would be constructed to facilitate access to structures and along the ROW. Existing access roads may be hardened and temporarily widened at turning areas to facilitate the safe passage of construction vehicles. Some new temporary access roads would also be constructed utilizing construction matting to facilitate access to structures within the ROW. The matting will be removed upon completion of the project and the areas restored, as necessary.

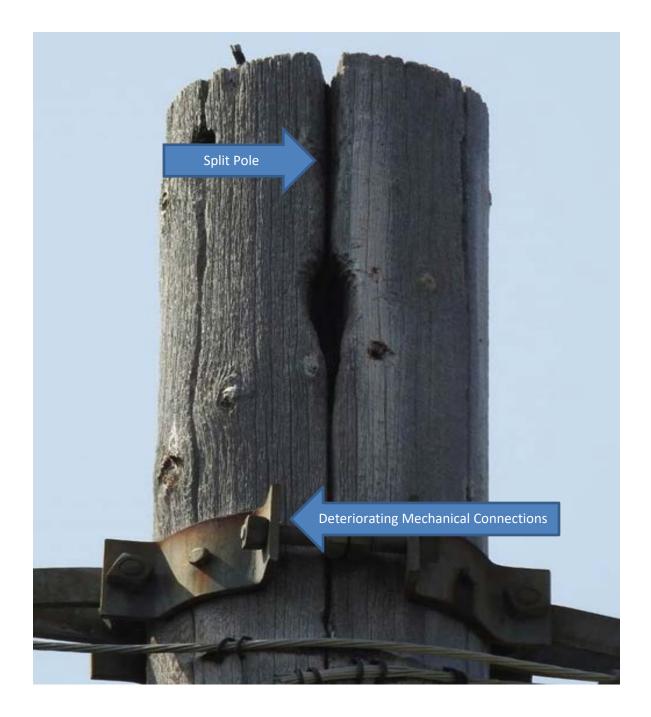
Eversource would access the Work Areas by entering its ROW from existing access points on public roads as follows:

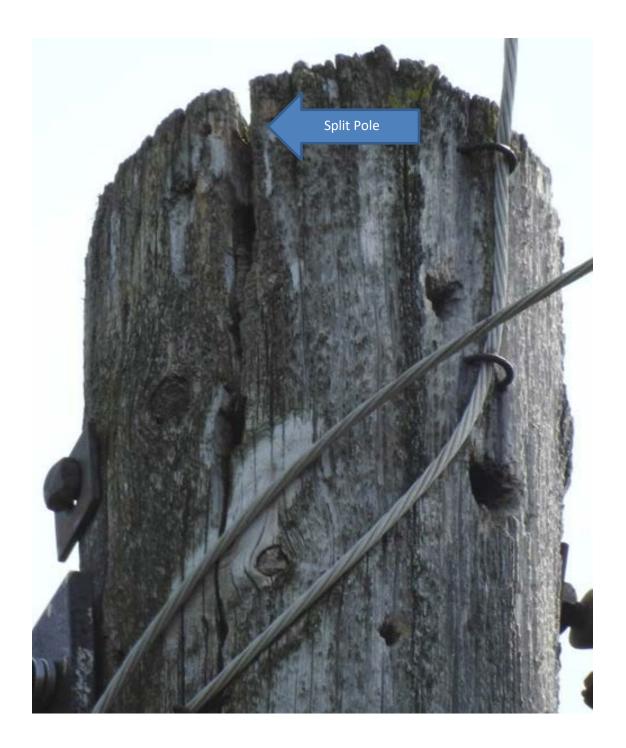
- Duncaster Road for structure 20134
- Beacon Hill Drive for structures 20126 and 20123
- Filley Street for structure 20102

By:

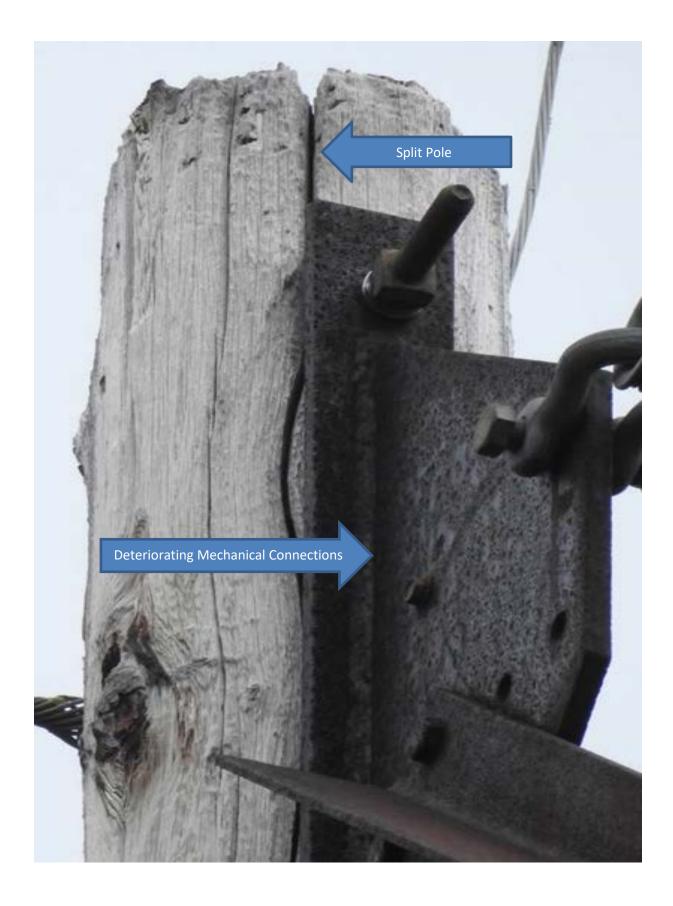
Kathleen M. Shanley Manager - Transmission Siting

ATTACHMENT B PHOTOGRAPHS AND PHOTO SIMULATION











STRUCTURE 20134

DUNCASTER ROAD - BLOOMFIELD, CT

NORTH





STRUCTURE 20134

DUNCASTER ROAD - BLOOMFIELD, CT

NORTH





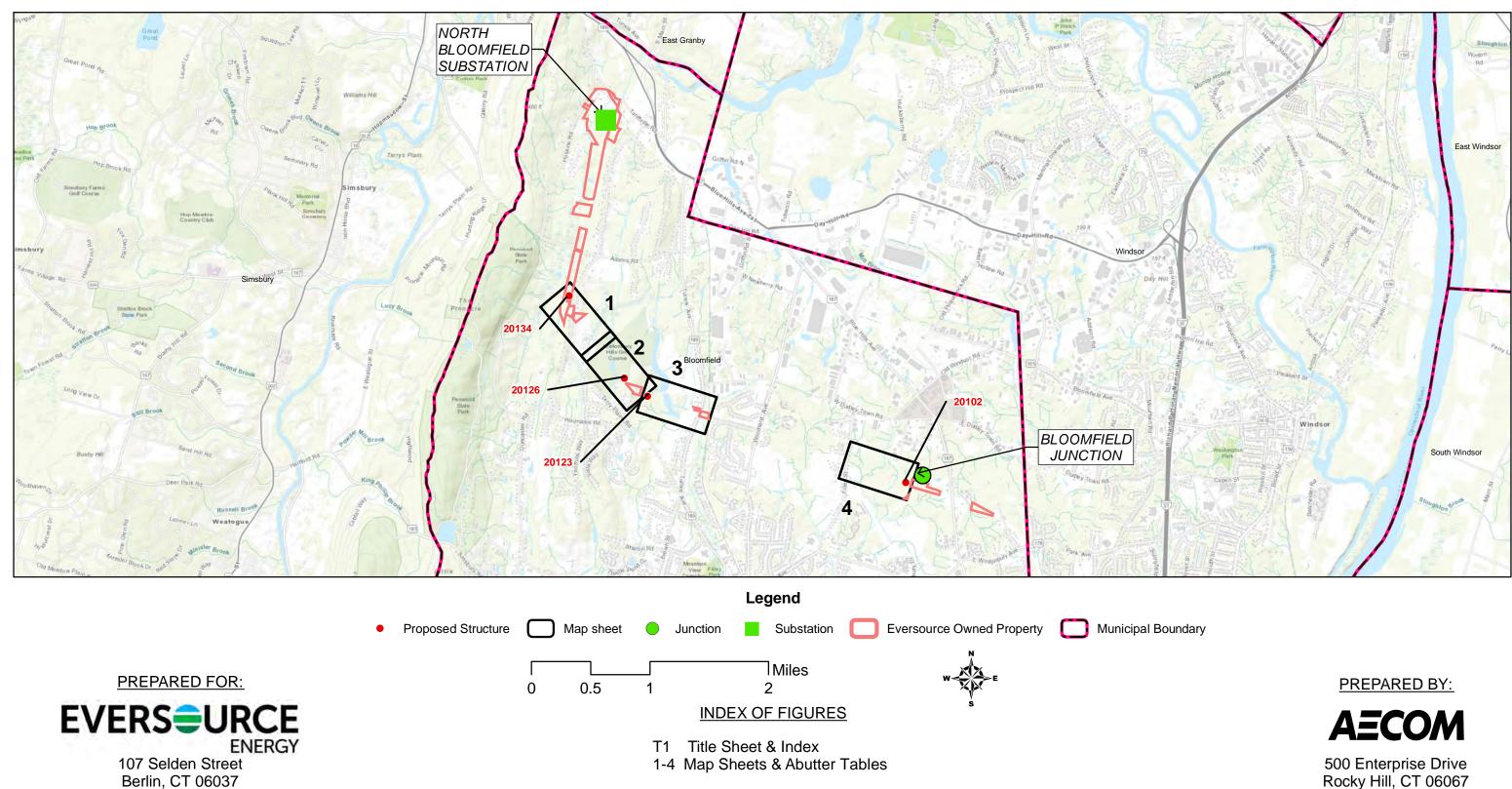
ATTACHMENT C

MAPS

3642 LINE STRUCTURE REPLACEMENT PROJECT

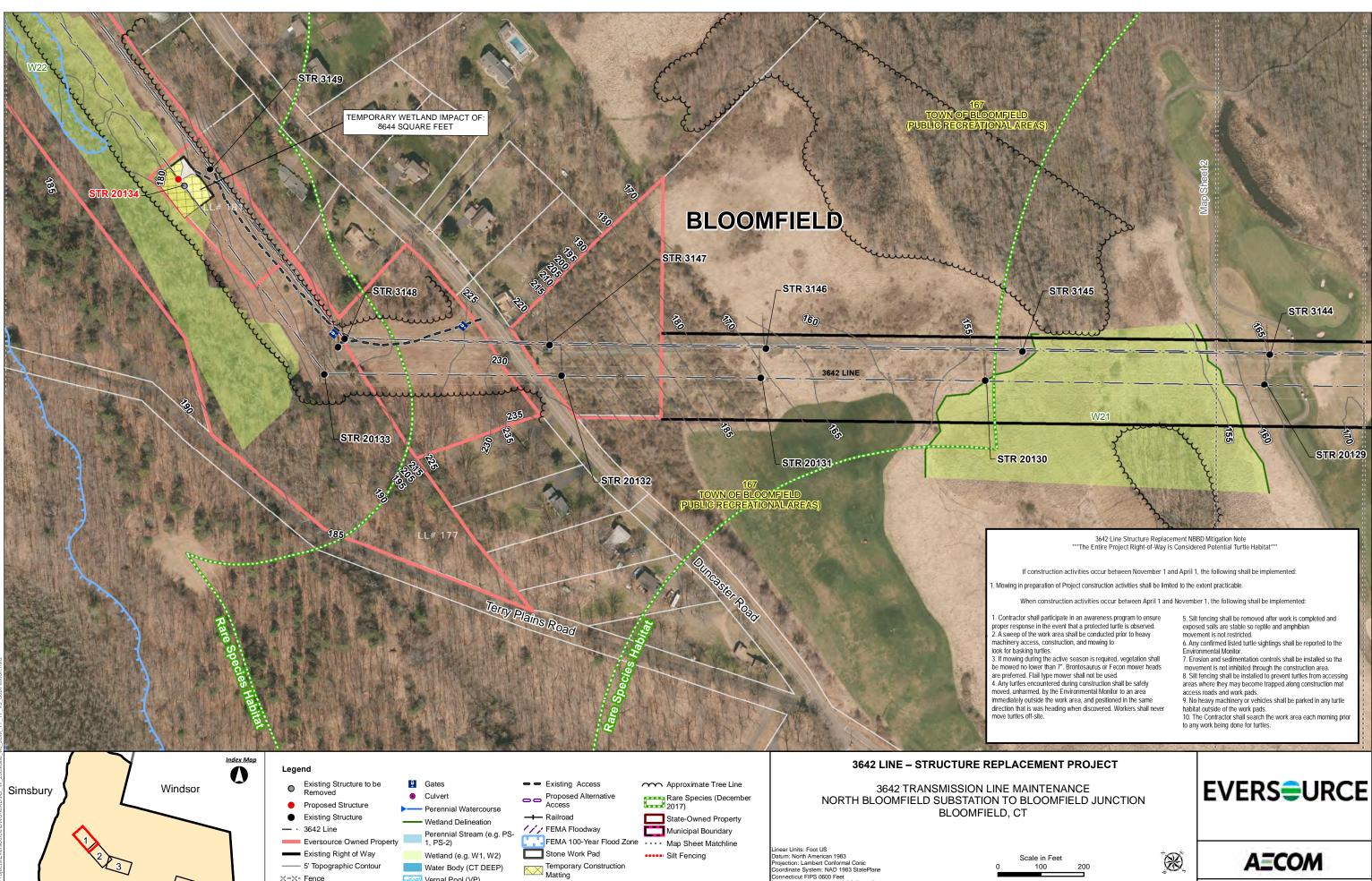
Bloomfield, CT Sub-Petition Map Set

June 6, 2018



Line 3642 Structure Replacement Mapsheet 01 Abutters List

Line List Number	Owner First Name	Owner Last Name	Or Current Resident	Parcel Address	Parcel City	Parcel State	Parcel Zip Code
177	THE CONNECTICUT LIGHT & POWER COMPANY			ADAMS ROAD	BLOOMFIELD	СТ	06002
181	THE CONNECTICUT LIGHT & POWER COMPANY			DUNCASTER ROAD	BLOOMFIELD	СТ	06002



X=X- Fence

4

Bloomfield

Vernal Pool (VP)

Vernal Pool 100ft Buffer

Connecticut FIPS 0600 Feet Datalayers and Imagery: USGS Earth Explorer, CT DEEP GIS, UCONN MAGIC, UCONN CLEAR, Google Earth Imagery, Eversource. NRCS Soils

ale in Feet	
100	200

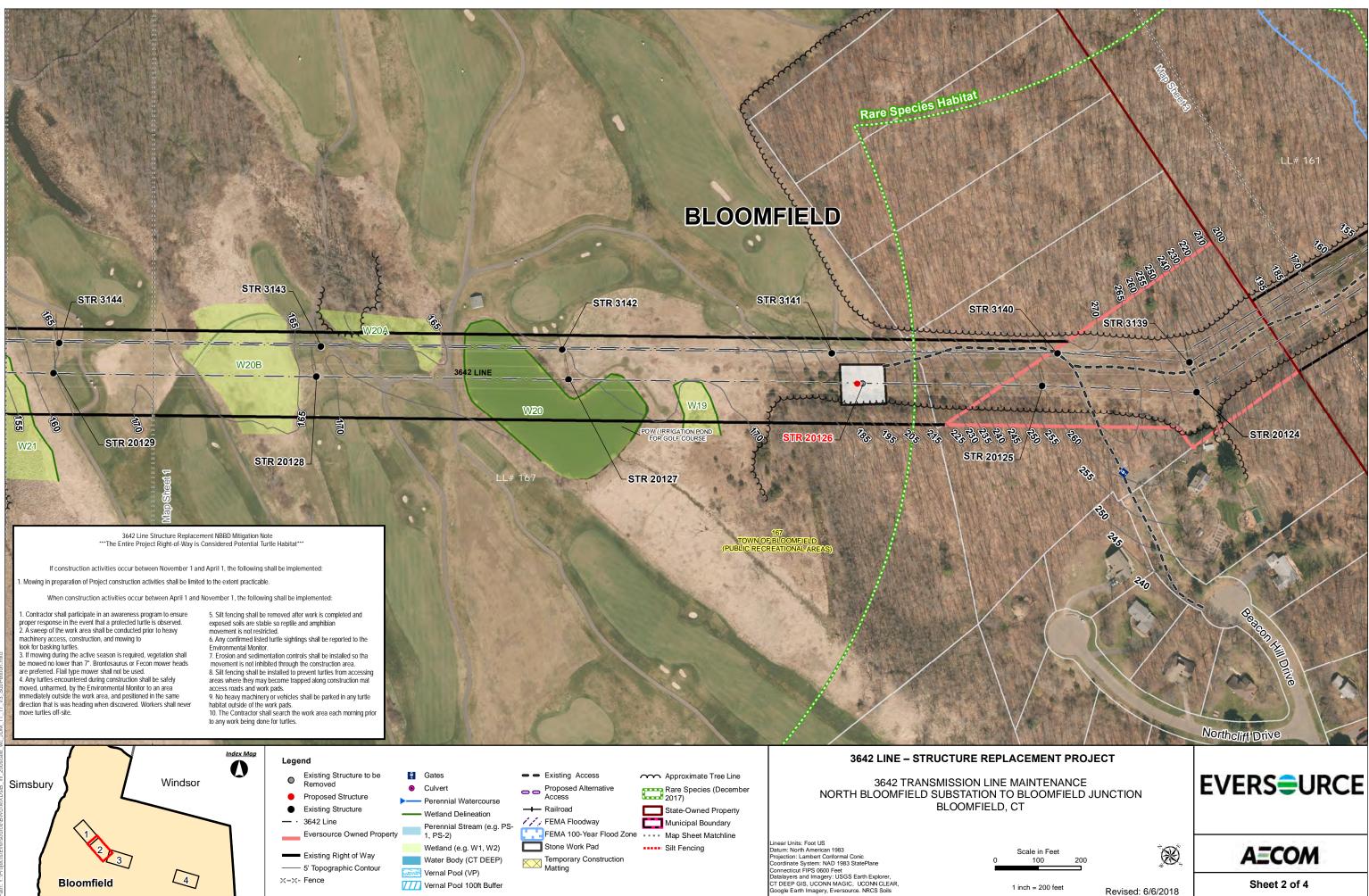
1 inch = 200 feet Revised: 6/6/2018



Sheet 1 of 4

Line 3642 Structure Replacement Mapsheet 02 Abutters List

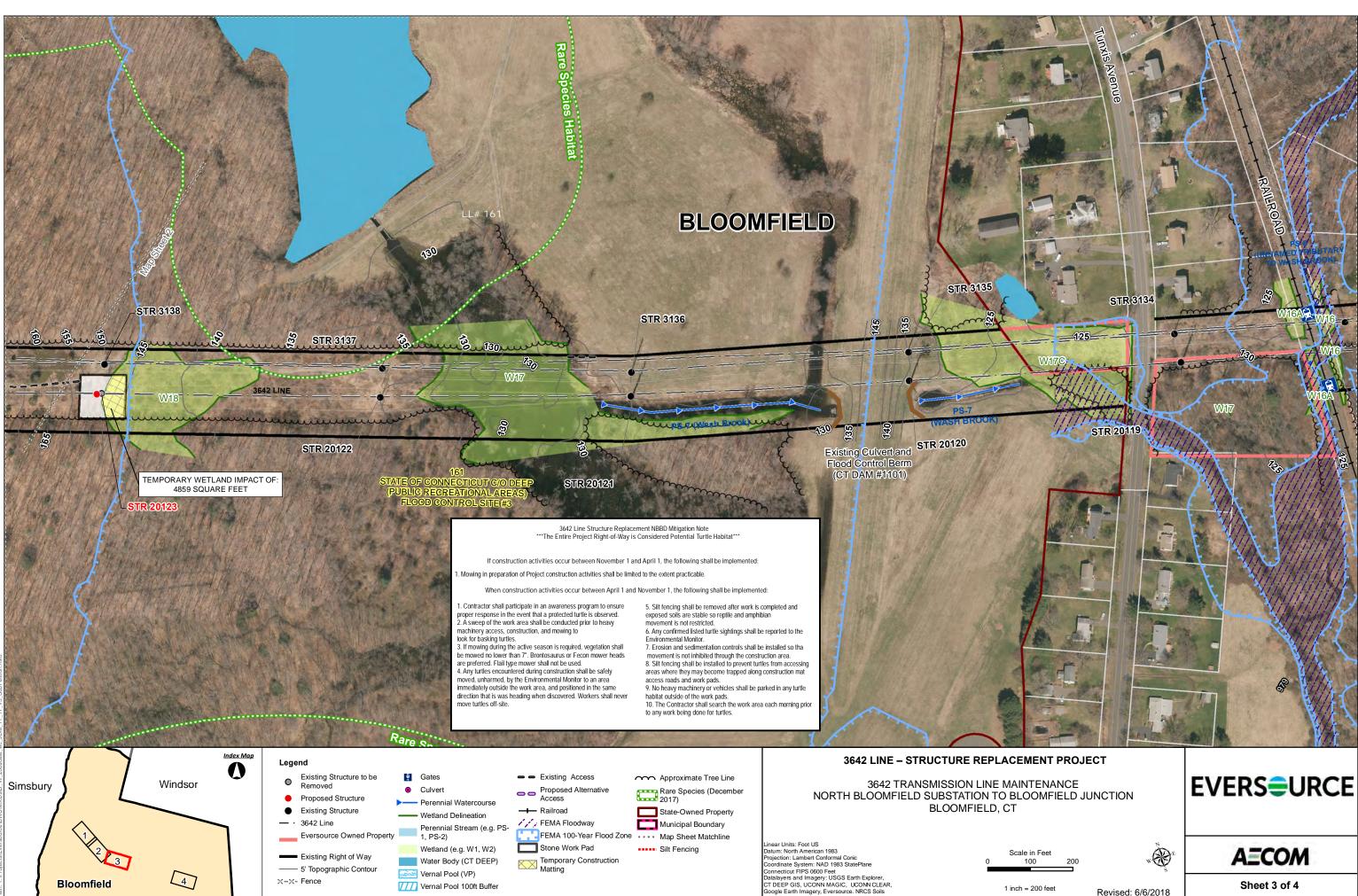
Line List Number	Owner First Name	Owner Last Name	Or Current Resident	Parcel Address	Parcel City	Parcel State	Parcel Zip Code
167	TOWN OF BLOOMFIELD			190 & 206 TERRY PLAINS ROAD	BLOOMFIELD	СТ	06002



Line 3642 Structure Replacement Mapsheet 03 Abutters List

Line List Number	Owner First Name	Owner Last Name	Or Current Resident	Parcel Address	Parcel City	
161	STATE OF CONNECTICUT C/O DOT			TUNXIS AVENUE	BLOOMFIELD	

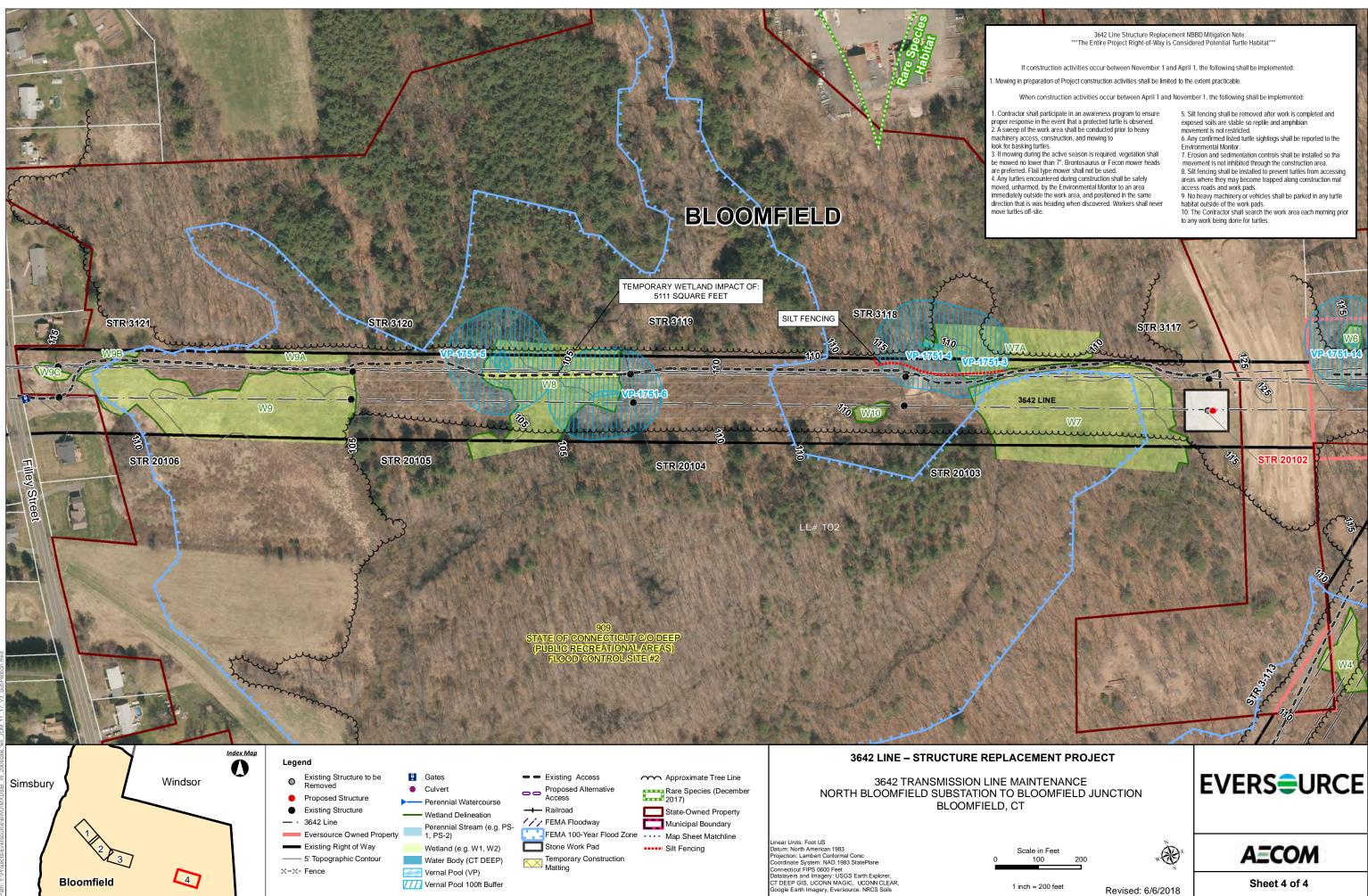
Parcel State	Parcel Zip Code
СТ	06002



Revised: 6/6/2018

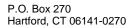
Line 3642 Structure Replacement Mapsheet 04 Abutters List

Line List Number	Owner First Name	Owner Last Name	Or Current Resident	Parcel Address	Parcel City	Parcel State	Parcel Zip Code
102	STATE OF CONNECTICUT C/O DEEP			WINTONBURY AVENUE	BLOOMFIELD	СТ	06002



ale in Feet	
100	20

ATTACHMENT D ABUTTER LETTER AND PROOF OF NOTICE





June 18, 2018

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 Bloomfield, CT. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-BL-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-BL-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 <u>TransmissionInfo@eversource.com</u>. Thank you.

Sincerely,

Brian Ragozzine

Brian Ragozzine Eversource Project Manager – Transmission Projects

AFFIDAVIT OF SERVICE OF NOTICE

STATE OF CONNECTICUT

COUNTY OF HARTFORD

ss. 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 June 18, 2018, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-BL-01 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipality listed below and 3 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 Bloomfield Philip K. Schenck, Jr., Town Manager Bloomfield Town Hall 800 Bloomfield Ave Bloomfield, CT 06002

James L. Smith Project Siting Specialist

On this the <u>16</u> day of June, 2018, 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:

FERNANDA MARIA BARROS NOTARY PUBLIC. STATE OF CONNECTICUT My Commission Expires September 30. 2022