

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

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

July 12, 2018

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

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

Dear Ms. Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-BW-01 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Bloomfield and Windsor, Connecticut. The work includes replacing 18 existing wooden transmission structures with new weathering steel transmission structures.

Eversource notified the officials of the municipalities of Bloomfield and Windsor 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

Towns: Bloomfield and Windsor

Sub-Petition No. 1293-BW-01

Project: 1751 Transmission Line Structure Replacement Project

Structure Location: 18 Transmission Structures located in Bloomfield and 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 1751 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 1751 Line between Bloomfield Junction in Bloomfield and the Rood Avenue Substation in Windsor, Connecticut. The 1751 Line in its entirety, is a 115-kV transmission line that extends from North Bloomfield Substation in Bloomfield to Rood Avenue Substation in Windsor and Northwest Hartford Substation in Hartford, Connecticut. Of these replacements, 18 structures require a slight increase 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 18 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 and proposed new access roads as well as some temporary access roads (collectively the "Work Areas"). Some of the existing access roads will be improved. Eversource can access the structure locations utilizing its existing rights, but is currently working with private landowners to obtain rights to utilize existing alternative off-ROW access routes that would minimize the amount of proposed temporary access roads that would need to be installed through wetlands and within the ROW. In the case of structure 10150, Eversource is seeking an alternative off-ROW access route to minimize the impact to residential properties.
- b) Work Activities would result in ±77,183 square feet ("SF") of temporary wetland impacts limited to temporary construction matting required for the construction of access roads to structures 10164, 10163, 10162, 10157, 10156, 10154, 10151, 10150, and 10147 and work pads for structures 10164, 10163, 10162, 10157, 10156, 10154, 10153, 10150, and 10144. In addition, Work Activities would result in ±48 SF of temporary watercourse impact for a temporary matted span for the access road to structure 10156. See table below for details.

Access Roads	Construction Work Pads	Temporary Wetland Impacts (SF)	Temporary Watercourse Impacts (SF)
Access to structure 10164		±1,090	
Access to structure 10163		±1,348	
Access to structure 10162		±,174	
Access to structure 10157		±3,662	
Access to structure 10156		±3,381	±48
Access to structure 10154		±8,090	
Access to structure 10151		±3,661	
Access to structure 10150		±8,526	
Access to structure 10147		±2,264	
	Structure 10164	±9,625	
	Structure 10163	±9,663	
	Structure 10162	±8,605	
	Structure 10157	±4,569	
	Structure 10156	±355	
	Structure 10154	±1,180	
	Structure 10153	±2,627	
	Structure 10150	±5,835	
	Structure 10144	±2,528	
		Total: ±77,183 (SF)	Total ±48 (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 vernal pools are located in proximity to the Work Activities.

- a) As a result of Eversource's review of the Connecticut Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Data Base ("NDDB"), only Work Areas associated with the access and work pads for structures 10164, 10163, and 10162 are proposed within a NDDB buffered area and wetland jurisdictional area and therefore would be subject to a NDDB review request. Eversource is currently in consultation with CTDEEP regarding its proposed work in these areas and will adhere to any state-listed species protection measures recommended by CTDEEP, as necessary, and which will be incorporated into the Company's BMPs during construction. Therefore, it is not likely that an adverse impact to rare species will result from activities proposed in the Work Areas.
- d) The structure replacements will not require any tree 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.
- e) A Phase IA assessment review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office conducted by Heritage Consultants, LLC did not identify that any 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, two of the proposed work pad locations were identified to possess a potential for moderate to high archaeological sensitivity. A Phase 1B cultural reconnaissance survey (shovel pit testing) at this location found no physical evidence of archaeological significance.
- f) Increased heights of the 18 replacement structures average approximately 5 feet and none will exceed 9 feet.
- g) Replacement structures would be located within 15 feet of existing structures.
- h) There are no 100-year flood zones in the Work Areas where the proposed Work Activities would be performed.
- i) 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.
- j) 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 ("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.
- Potential impacts to wetlands will be mitigated with the use of temporary matting and adherence to the BMPs.

- 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.
- 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>

Some new permanent access roads would be constructed to facilitate access to structures within the ROW and existing access roads may be hardened and temporarily widened at turning areas to facilitate the safe passage of construction vehicles. Construction matting would be used on temporary access roads in wetlands as well as in agricultural/maintained lawn upland areas. The matting will be removed upon completion of the Work Activities and the areas restored, as necessary.

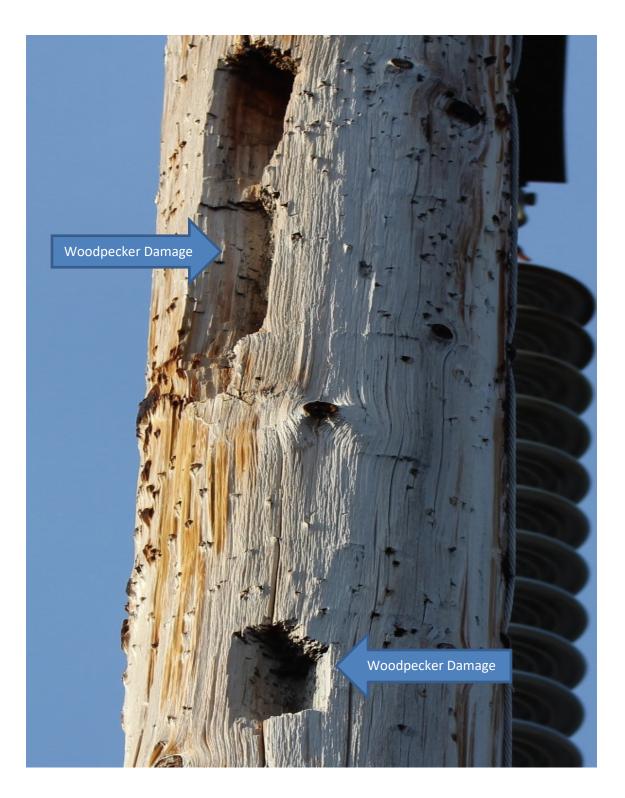
Eversource would access the Work Areas by entering its ROW from existing access points on public roads as follows:

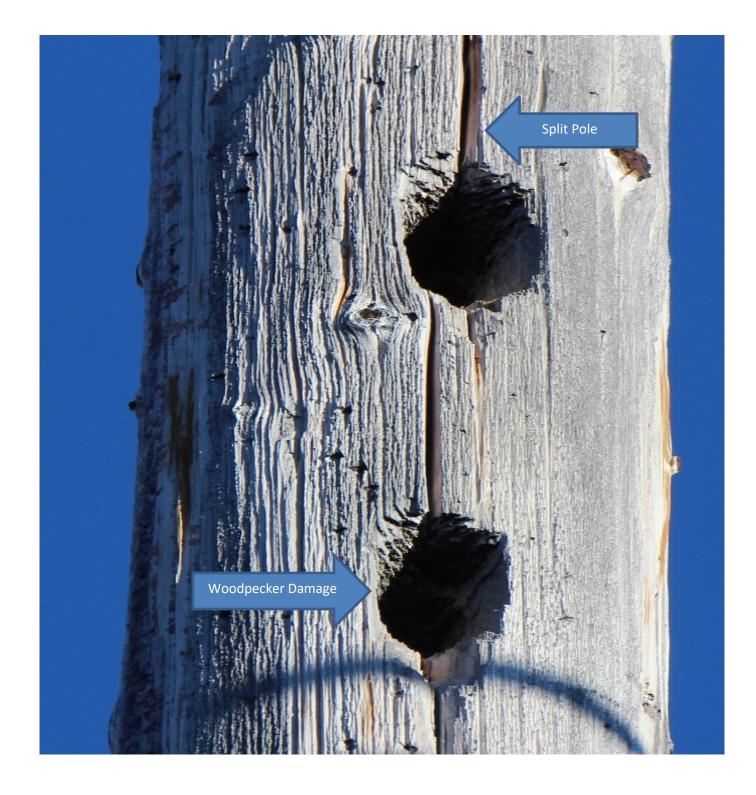
- Blue Hills Avenue for structures 10164 and 10163
- Privilege Road for structures 10160, 10161, 10162 and 10159
- East Wintonbury Avenue for structures 10157, 10156, 10155, 10154, 10153, 10152, and 1051 (off-ROW access from and alternative location on Southwood Drive would be used if rights are obtained)
- Herbert Lane for structure 10150 (off-ROW access from and alternative location on Windbrook Drive would be used if rights are obtained)
- Matianuck Avenue for structures 10145, 10146, 10147, and 10144

By:

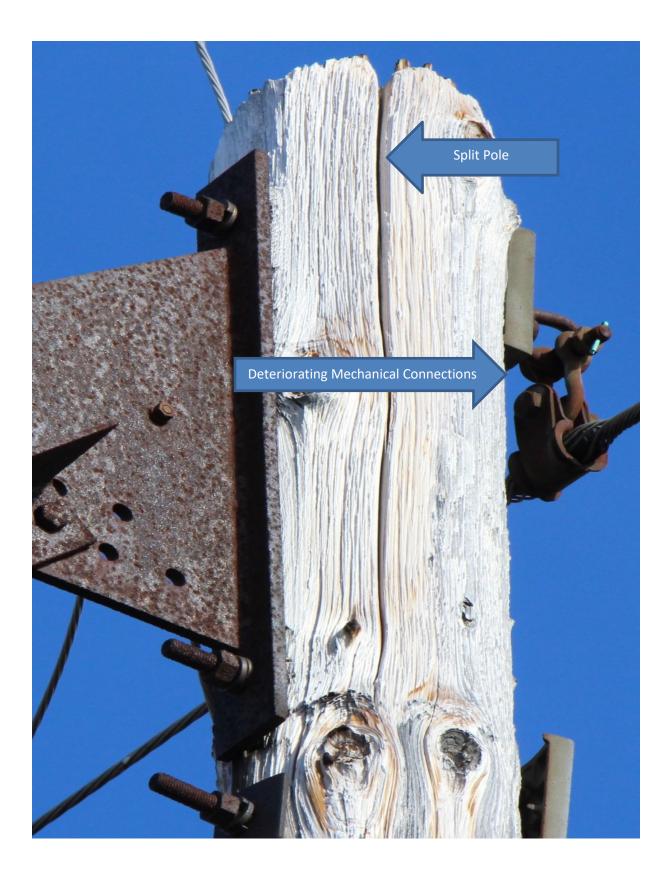
Kathleen M. Shanley Manager - Transmission Siting

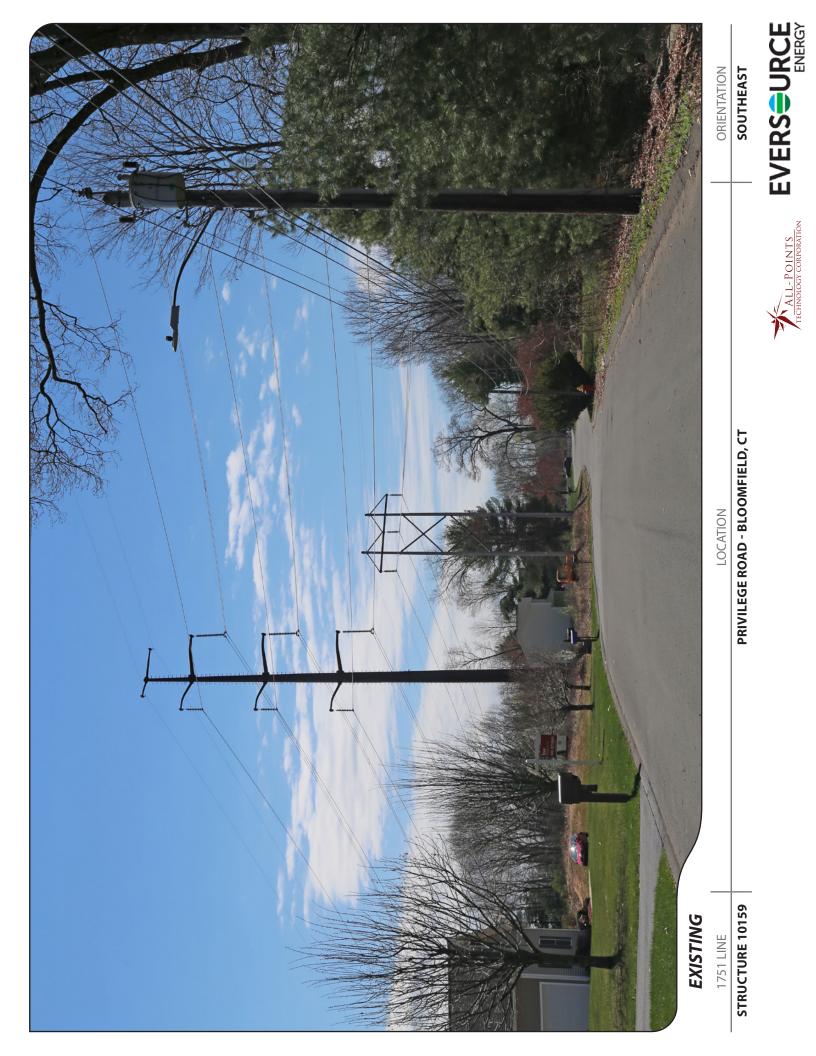
ATTACHMENT B PHOTOGRAPHS AND PHOTO SIMULATION

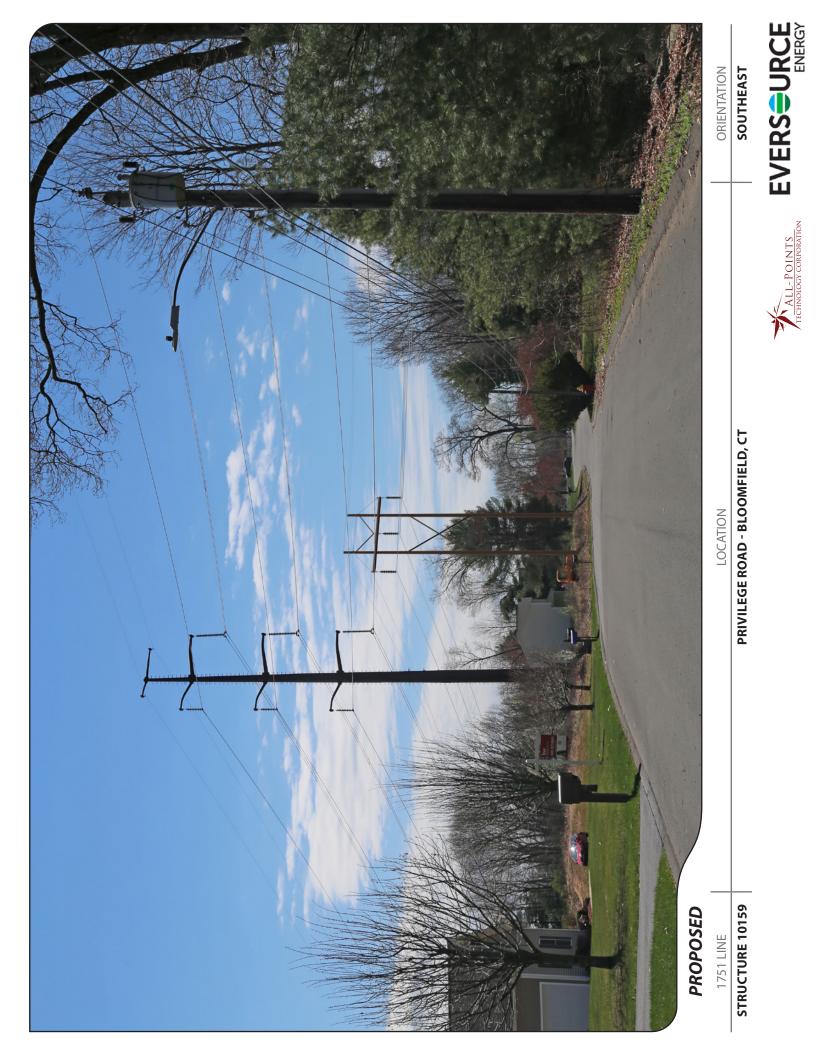












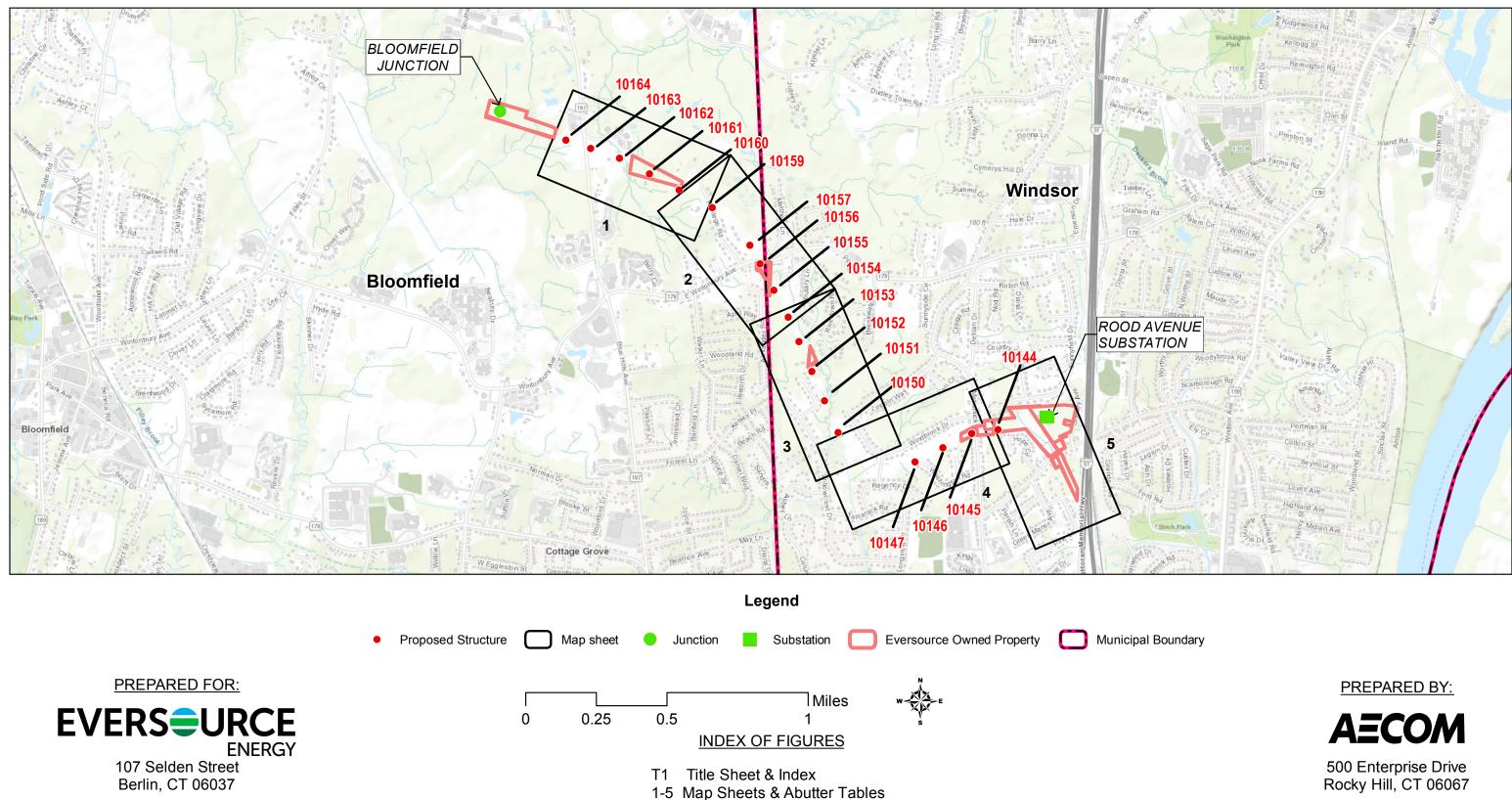
ATTACHMENT C

MAPS

1751 LINE STRUCTURE REPLACEMENT PROJECT

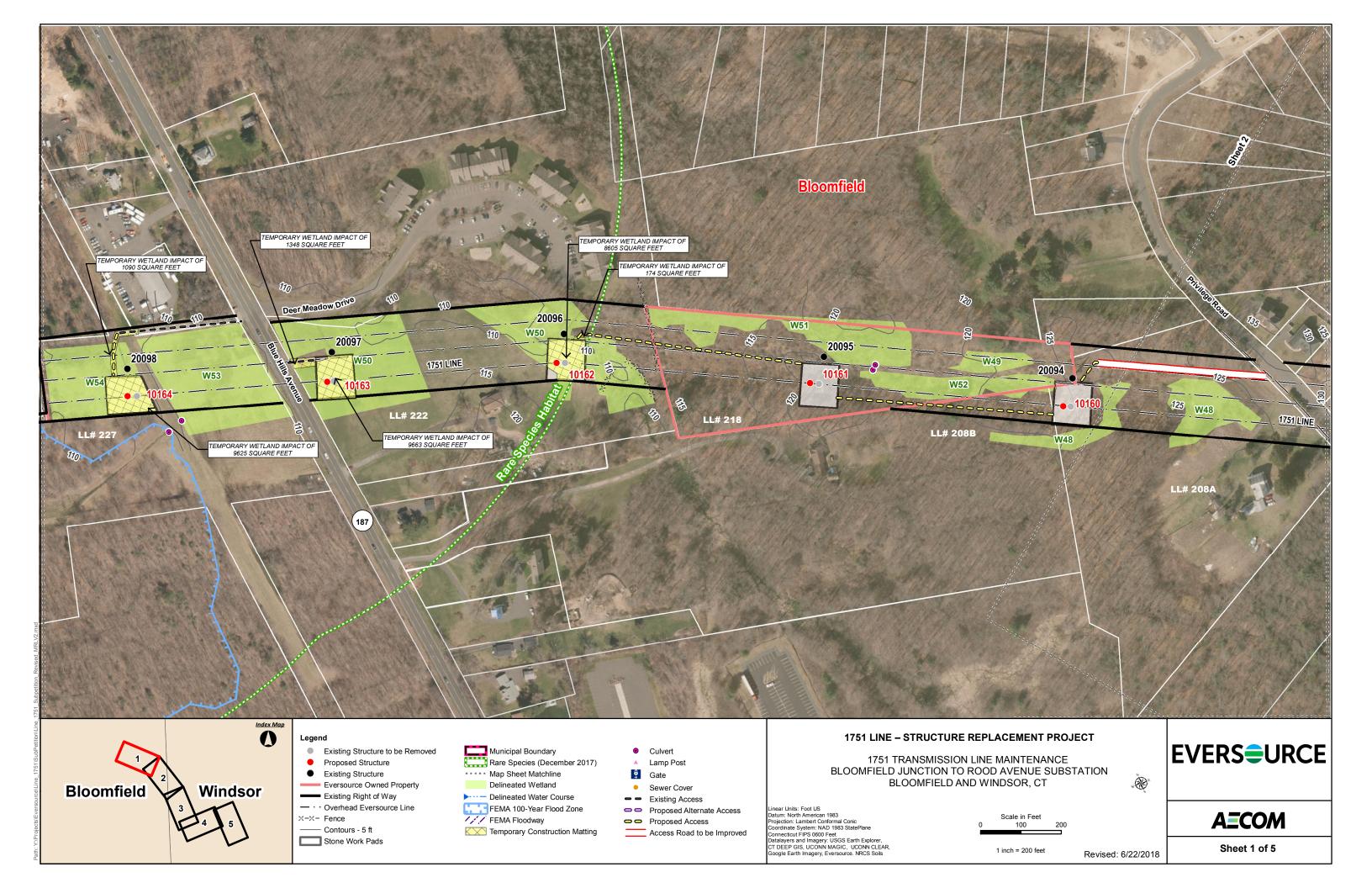
Bloomfield and Windsor, CT Sub-Petition Mapset

Date: 6/21/2018



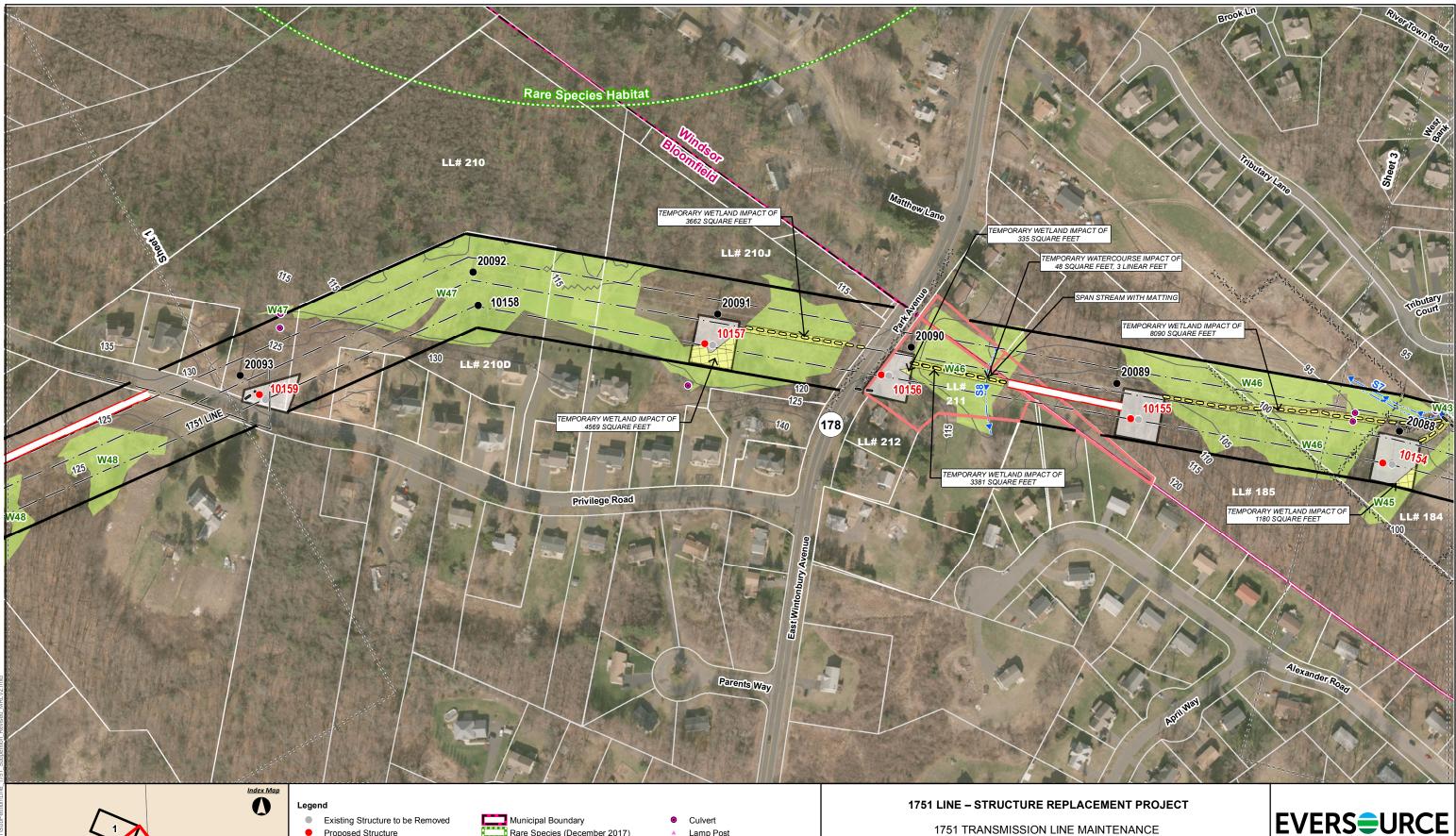
Mapsheet 01 Abutters List 1751 Line Structure Replacement Project

Line List Number	Owner First Name	Owner Last Name	Parcel Address	Parcel City	Parcel State
208A	REUBEN	CAMMOCK	41 PRIVILEGE ROAD	BLOOMFIELD	СТ
208B	A REYNOLD JR	CICERO	1198 BLUE HILLS AVENUE	BLOOMFIELD	СТ
218	THE CONNECTICUT LIGHT & POWER COMPANY		PRIVILEGE ROAD	BLOOMFIELD	СТ
222	FREDERICK D	MOOREHEAD	1200 BLUE HILLS AVENUE	BLOOMFIELD	СТ
227	STATE OF CONNECTICUT C/O DEEP		WINTONBURY AVENUE	BLOOMFIELD	СТ



Mapsheet 02 Abutters List 1751 Line Structure Replacement Project

Line List Number	Owner First Name	Owner Last Name	Parcel Address	Parcel City	Parcel State
184	HECTOR & DAVID & JUDYTH	PACHECO & RUSSELL	3 ARROWBROOK ROAD	WINDSOR	СТ
185	CYNTHIA	MILLER	781T PARK AVENUE	WINDSOR	СТ
210	JARED	ALEXANDER	58 E WINTONBURY AVENUE	BLOOMFIELD	СТ
210D	JOE L	ALEXANDER	22 PRIVILEGE ROAD	BLOOMFIELD	СТ
210J	WIGMAN	HOWELL	16 PRIVILEGE ROAD	BLOOMFIELD	СТ
211	THE CONNECTICUT LIGHT & POWER COMPANY		EAST WINTONBURY AVENUE	BLOOMFIELD	СТ
212	JOHN	jordan	59 E WINTONBURY AVENUE	BLOOMFIELD	СТ





Proposed Structure

- Existing Structure
- Eversource Owned Property Existing Right of Way
- · · Overhead Eversource Line
- ×=×= Fence Contours - 5 ft
- Stone Work Pads
- Municipal Boundary Rare Species (December 2017) Map Sheet Matchline Delineated Wetland ▶···· Delineated Water Course FEMA 100-Year Flood Zone FEMA Floodway

Temporary Construction Matting

- Lamp Post
 - Gate
- Sewer Cover • - Existing Access
- - Proposed Alternate Access Proposed Access
 - Access Road to be Improved

Linear Units: Foot US Datum: North American 1983 Projection: Lambert Conformal Conic Coordinate System: NAD 1983 StatePlane Connecticut FIPS 0600 Feet Datalayers and Imagery: USGS Earth Explorer, CT DEEP GIS, UCONN MAGIC, UCONN CLEAR, Google Earth Imagery, Eversource. NRCS Soils

1751 TRANSMISSION LINE MAINTENANCE BLOOMFIELD JUNCTION TO ROOD AVENUE SUBSTATION BLOOMFIELD AND WINDSOR, CT

Scale in Feet 100 200 1 inch = 200 feet



8

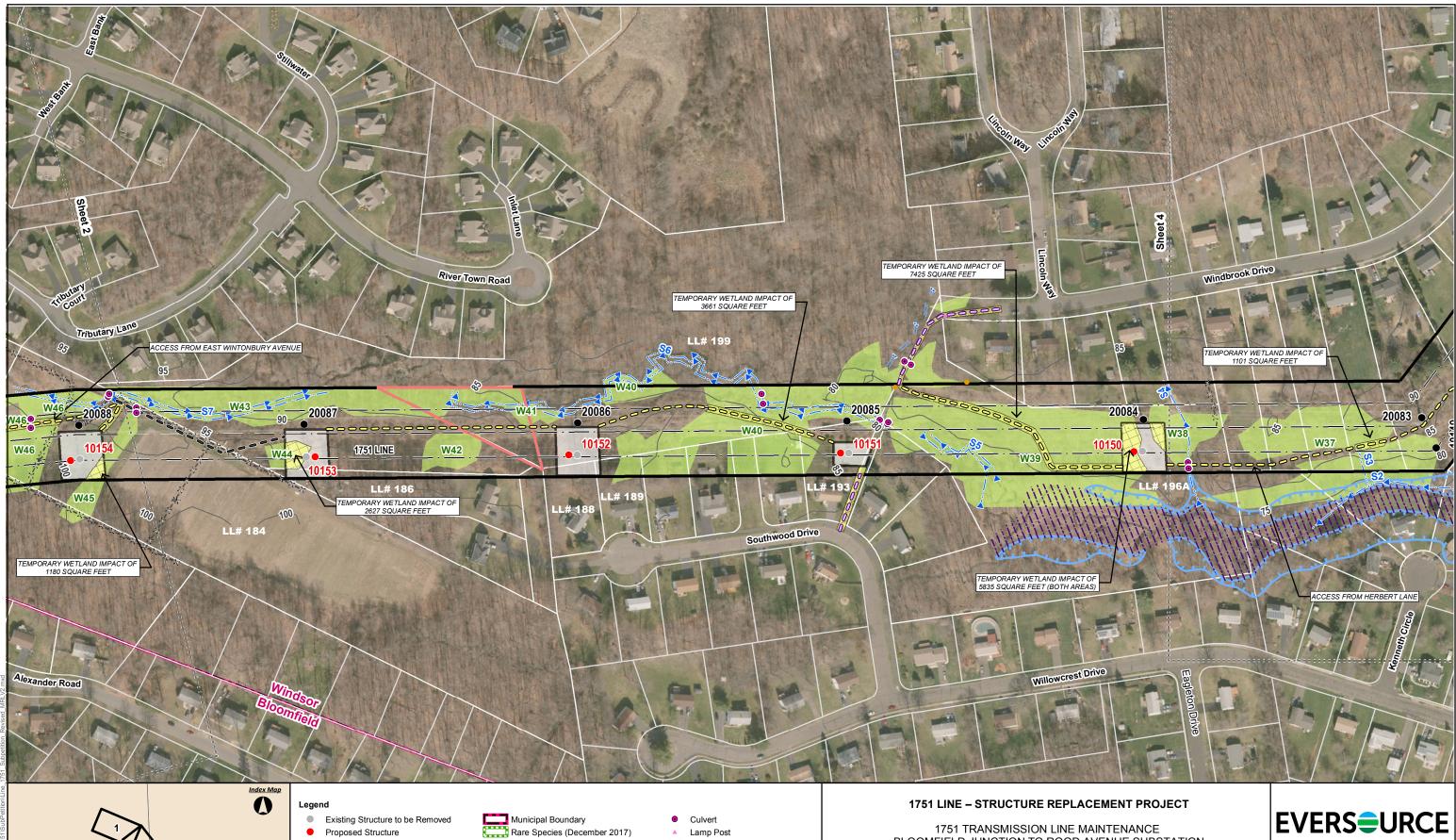
Revised: 6/22/2018



Sheet 2 of 5

Mapsheet 03 Abutters List 1751 Line Structure Replacement Project

Line List Number	Owner First Name	Owner Last Name	Parcel Address	Parcel City	Parcel State
184	HECTOR & DAVID & JUDYTH	PACHECO & RUSSELL	3 ARROWBROOK ROAD	WINDSOR	СТ
186	AGNES	MORALES	89 SOUTHWOOD DRIVE	WINDSOR	СТ
188	MILAGROS	GARCIA	84 SOUTHWOOD DRIVE	WINDSOR	СТ
189	JOANNE & JAMES JS	HODGES	76 SOUTHWOOD DRIVE	WINDSOR	СТ
193	DEVON	CLARKE	40 SOUTHWOOD DRIVE	WINDSOR	СТ
196A	TOWN OF WINDSOR		18 SOUTHWOOD DRIVE	WINDSOR	СТ
199	TOWN OF WINDSOR		SOUTHWOOD DRIVE	WINDSOR	СТ



Lamp Post

Sewer Cover

Proposed Alternate Access

Access Road to be Improved

- Existing Access

Proposed Access

Gate

•

Map Sheet Matchline

FEMA Floodway

Delineated Wetland

FEMA 100-Year Flood Zone

Temporary Construction Matting

▶ ---- Delineated Water Course

Proposed Structure

Existing Right of Way

Contours - 5 ft

Stone Work Pads

Eversource Owned Property

- · · Overhead Eversource Line

Existing Structure

×=×= Fence

Windsor

Bloomfield

1751 TRANSMISSION LINE MAINTENANCE BLOOMFIELD JUNCTION TO ROOD AVENUE SUBSTATION BLOOMFIELD AND WINDSOR, CT

Linear Units: Foot US Datum: North American 1983 Projection: Lambert Conformal Conic Coordinate System: NAD 1983 StatePlane Connecticut FIPS 0600 Feet Datalayers and Imagery: USGS Earth Explorer, CT DEEP GIS, UCONN MAGIC, UCONN CLEAR, Google Earth Imagery, Eversource. NRCS Soils

Scale in Feet 100 200 1 inch = 200 feet

8

Revised: 6/22/2018



Sheet 3 of 5

Mapsheet 04 Abutters List 1751 Line Structure Replacement Project

Line List Number	Owner First Name	Owner Last Name	Parcel Address	Parcel City	Parcel State
147	THE CONNECTICUT LIGHT & POWER COMPANY		779 MATIANUCK AVENUE	WINDSOR	СТ
148	MARVIN E	SPEED	55 WINDBROOK DRIVE	WINDSOR	СТ
150	CAMILE	GRAJALES	63 WINDBROOK DRIVE	WINDSOR	СТ
150C	ANDREW & ANGELA	PRINCE	19 FRANKLIN LANE	WINDSOR	СТ
152	KELLY PATRICE	STOREY	721 MATIANUCK AVENUE	WINDSOR	СТ
161	WILLIE E	JACKSON	107 WINDBROOK DRIVE	WINDSOR	СТ
163	OMAR J	RIVERA	115 WINDBROOK DRIVE	WINDSOR	СТ
172	LYDIA S	REYES	47 WASHINGTON ROAD	WINDSOR	СТ



Culvert

Gate

Lamp Post

Sewer Cover

- Existing Access

Proposed Access

Proposed Alternate Access

Access Road to be Improved

Municipal Boundary

Map Sheet Matchline

FEMA Floodway

Delineated Wetland

FEMA 100-Year Flood Zone

Temporary Construction Matting

▶···· — Delineated Water Course

Existing Structure to be Removed

Eversource Owned Property

- · · Overhead Eversource Line

Proposed Structure

Existing Right of Way

- Contours - 5 ft

Stone Work Pads

Existing Structure

X=X= Fence

Windsor

Bloomfield

1751 TRANSMISSION LINE MAINTENANCE BLOOMFIELD JUNCTION TO ROOD AVENUE SUBSTATION BLOOMFIELD AND WINDSOR, CT

Linear Units: Foot US Datum: North American 1983 Projection: Lambert Conformal Conic Coordinate System: NAD 1983 StatePlane Connecticut FIPS 0600 Feet Datalayers and Imagery: USGS Earth Explorer, CT DEEP GIS, UCONN MAGIC, UCONN CLEAR, Google Earth Imagery, Eversource. NRCS Soils

Scale in Feet 100 1 inch = 200 feet

200





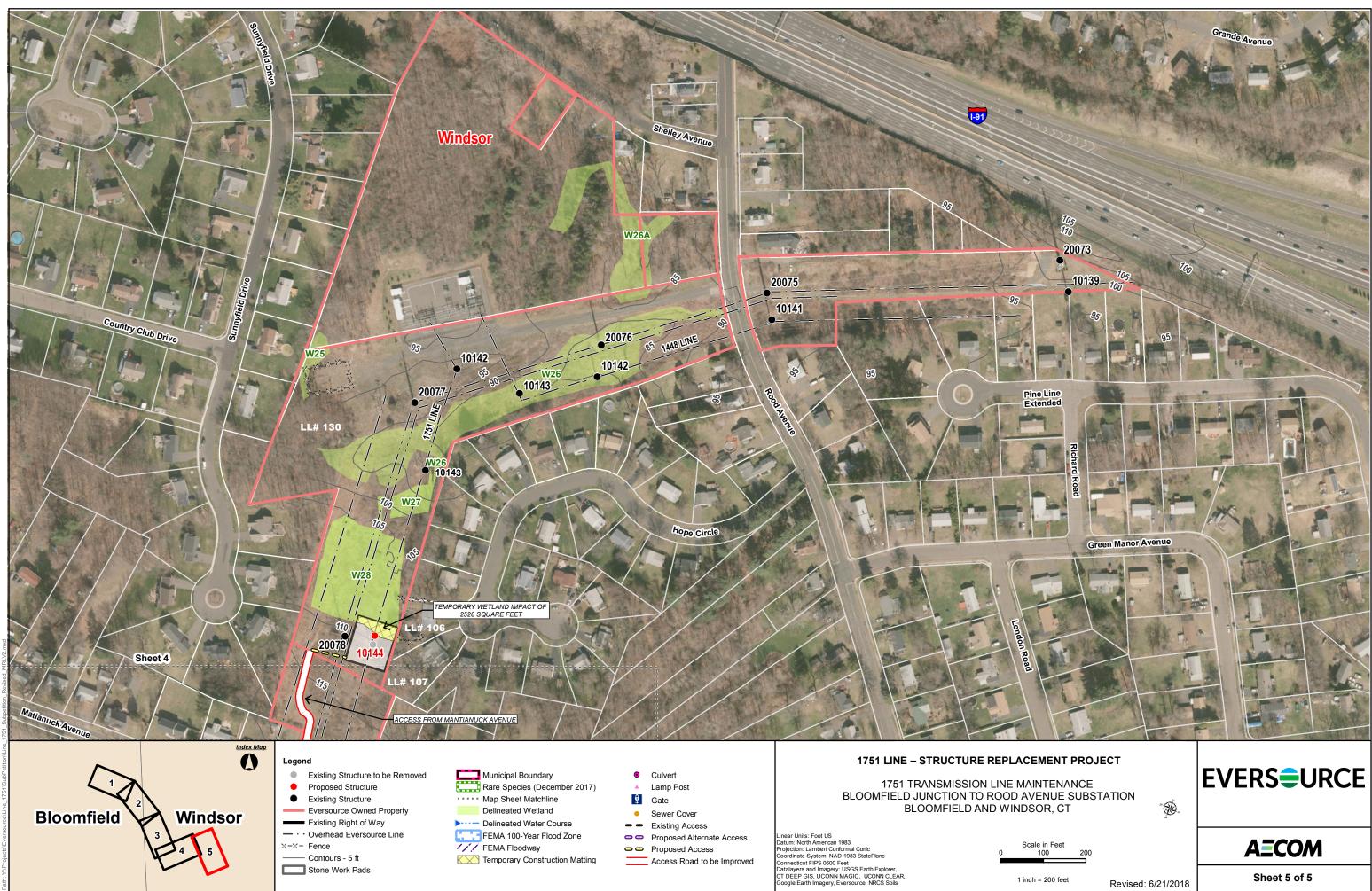


Revised: 6/22/2018

Sheet 4 of 5

Mapsheet 05 Abutters List 1751 Line Structure Replacement Project

Line List Number	Owner First Name	Owner Last Name	Parcel Address	Parcel City	Parcel State
106	JEAN T	JACOBS	60 HOPE CIRCLE	WINDSOR	СТ
107	PATRICIA C	WASHINGTON	64 HOPE CIRCLE	WINDSOR	СТ
130	THE CONNECTICUT LIGHT & POWER COMPANY		264 ROOD AVENUE	WINDSOR	СТ



ATTACHMENT D ABUTTER LETTER AND PROOF OF NOTICE

EVERSURCE

July 12, 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 and Windsor, CT. A Sub-Petition is a document with detailed information about the proposed upgrades. Every source is submitting Sub-Petition No. 1293-BW-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 <u>siting.council@ct.gov</u>. If you choose to send comments to the CSC, please reference Sub-Petition No. 1293-BW-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 July 12, 2018, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-BW-01 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipalities listed below and 25 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 Attn: Philip K. Schenck, Jr., Town Manager Bloomfield Town Hall 800 Bloomfield Avenue Bloomfield, CT 06002

Town of Windsor Attn: Peter Souza, Town Manager Windsor Town Hall 275 Broad Street Windsor, CT 06095

James L. Smith Project Siting Specialist

On this the $\underline{12}$ day of July, 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:

