



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

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

January 26, 2021

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

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

Dear Ms. Bachman:

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

Eversource notified Town of Wilton officials 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).

Per the Council's instructions in response to COVID-19, Eversource is submitting this filing electronically and will be providing one hard copy for the Council's records. Eversource further understands that the Council will invoice the Company for the requisite \$625 filing fee.

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".

Enclosures

Attachments:
Exhibit A: Sub-Petition
Exhibit B: Typical Cross Section
Exhibit C: Aerial Map
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 ELECTRIC
SAFETY CODE CLEARANCE REQUIREMENTS

Town: Wilton

Sub-Petition 1293-WT-01

Project: 1637/1720 Transmission Lines Structure Replacement Project

Structure Locations: Three Transmission Line Structures located in Wilton, 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 1637/1720 Transmission Lines Structure Replacement Project ("Project") is part of an ongoing 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, three structures require replacement on a portion of the 1637 and 1720 lines between Norwalk Junction Substation in Wilton to Weston Substation in Weston.

The 1637 Line, in its entirety, is a 115-kilovolt ("kV") line that extends from Norwalk Substation in Norwalk to Weston Substation in Weston. The 1720 Line, in its entirety, is a 115-kV line that extends from Norwalk Substation to Hawthorne Substation in Fairfield. The Project will be performed within the existing Eversource right-of-way ("ROW"). The replacement structures will require a slight increase in structure height to comply with current clearance requirements. Further, the replacement structure for structure 933, which is a double-circuit steel lattice tower (1637/1720 lines), will be converted to two single-circuit weathering steel monopole structures (structures 933-1 and 933-2).

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

- Replacement of one single-circuit wood structure 947 (1720 Line) with one single-circuit weathering steel monopole.
- Replacement of one single-circuit steel lattice tower structure 947-1 (1637 Line) with one single-circuit weathering steel monopole.
- Replacement of one double-circuit steel lattice tower 933 (1637/1720 lines) with two single-circuit weathering steel monopoles (structures 933-1 and 933-2).

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 property or existing 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) The Work Activities will not result in temporary or permanent wetland/watercourse impacts from the installation or removal of the structures or for access to these structures. 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 direct impacts to vernal pools would result from the proposed Work Activities.
- d) Based on review of the Connecticut Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Database ("NDDDB"), no Work Areas are proposed within a NDDDB buffered area and wetland jurisdictional area and/or CTDEEP owned/managed land. 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 would need to undertake tree trimming and/or vegetation removal/mowing within the managed portion of the ROW for conductor clearance.
- 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 revealed that no National or State Register of Historic Places properties/districts, or standing structures were identified within 500 feet of the Work Areas.

- g) Increases in the heights of the replacement structures will average approximately 9 feet above ground level.
- 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 lines 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:

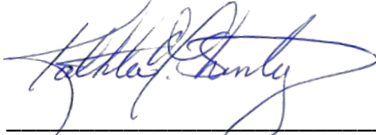
- Erosion and sediment controls ("E&S") will be employed and maintained, as needed, for the duration of the Work Activities in accordance with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control and the BMPs.
- Eversource's contractor will perform construction sequencing such that any 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 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 as needed. 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 to facilitate access to structures within the ROW. However, existing access roads in upland areas may be hardened and widened at turning areas to facilitate the safe passage of construction vehicles.

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

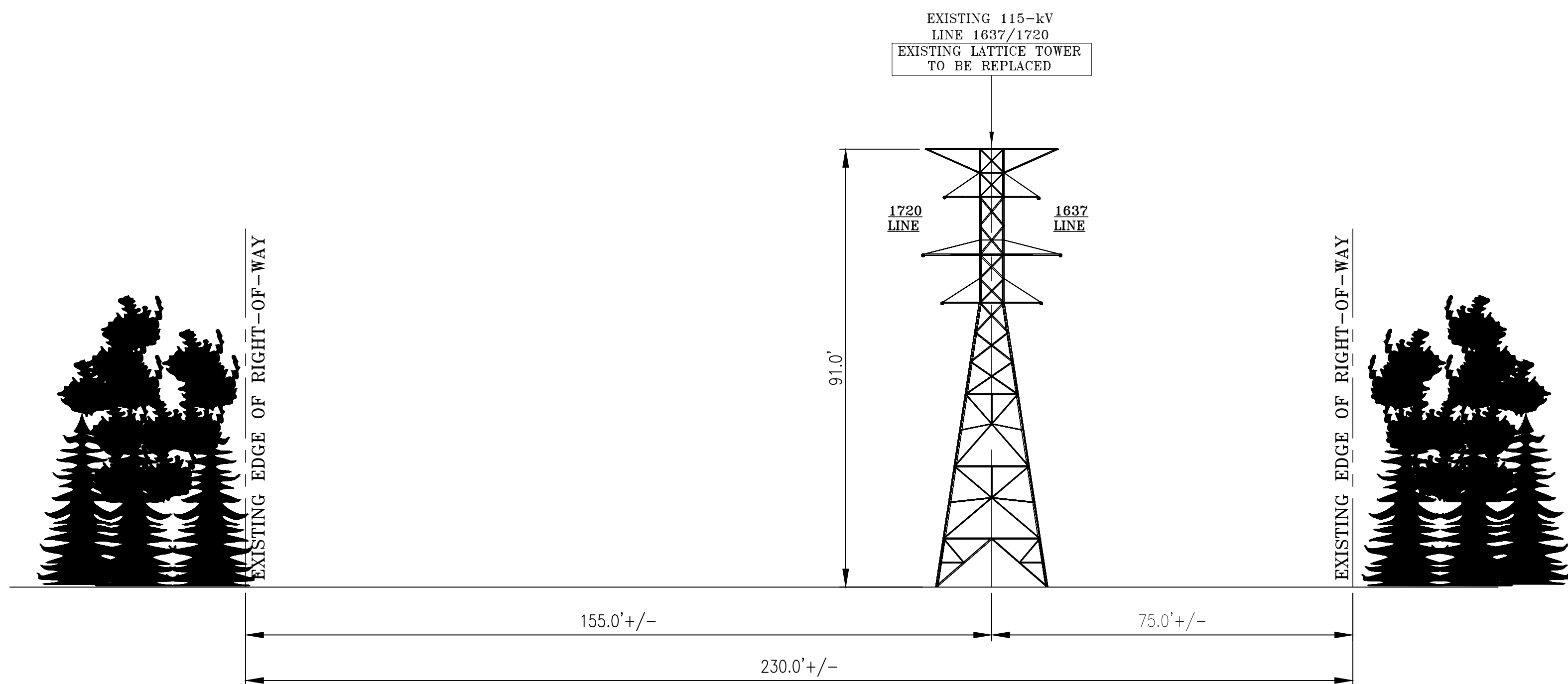
- Arrowhead Road for structures 947 and 947-1
- Blueridge Lane for structure 933

By: 

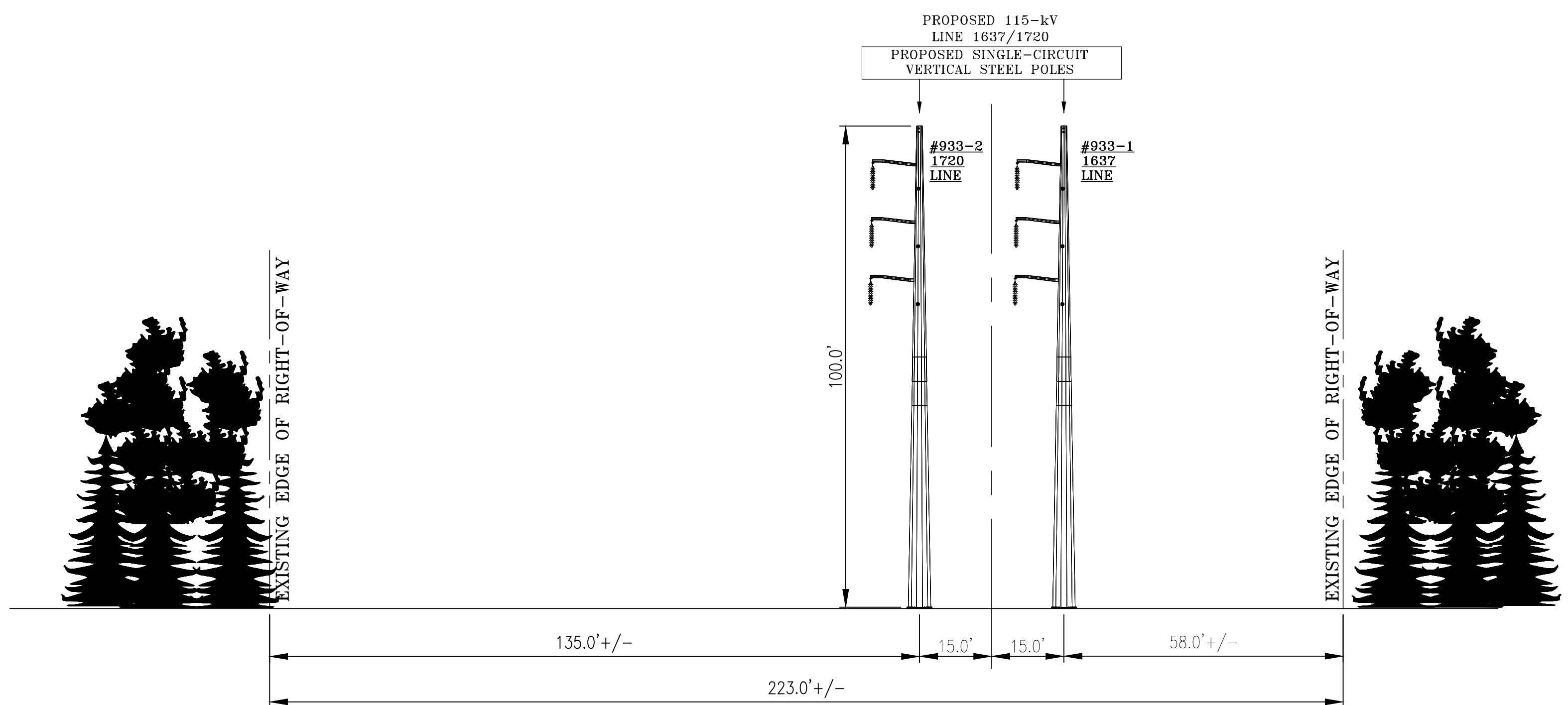
Kathleen M. Shanley
Manager - Transmission Siting

ATTACHMENT B
CROSS SECTIONS

11/15/2020 8:26 AM - jantoszewski - C:\Transmission\Eversource\2019\606_Eversource\60619-0017_Line 1637_1720_Norwalk_SS to Weston_SS_OPGW_V4 - ROW Cross Section Drawings\01002-85004p001.dwg - 0H-XS-1



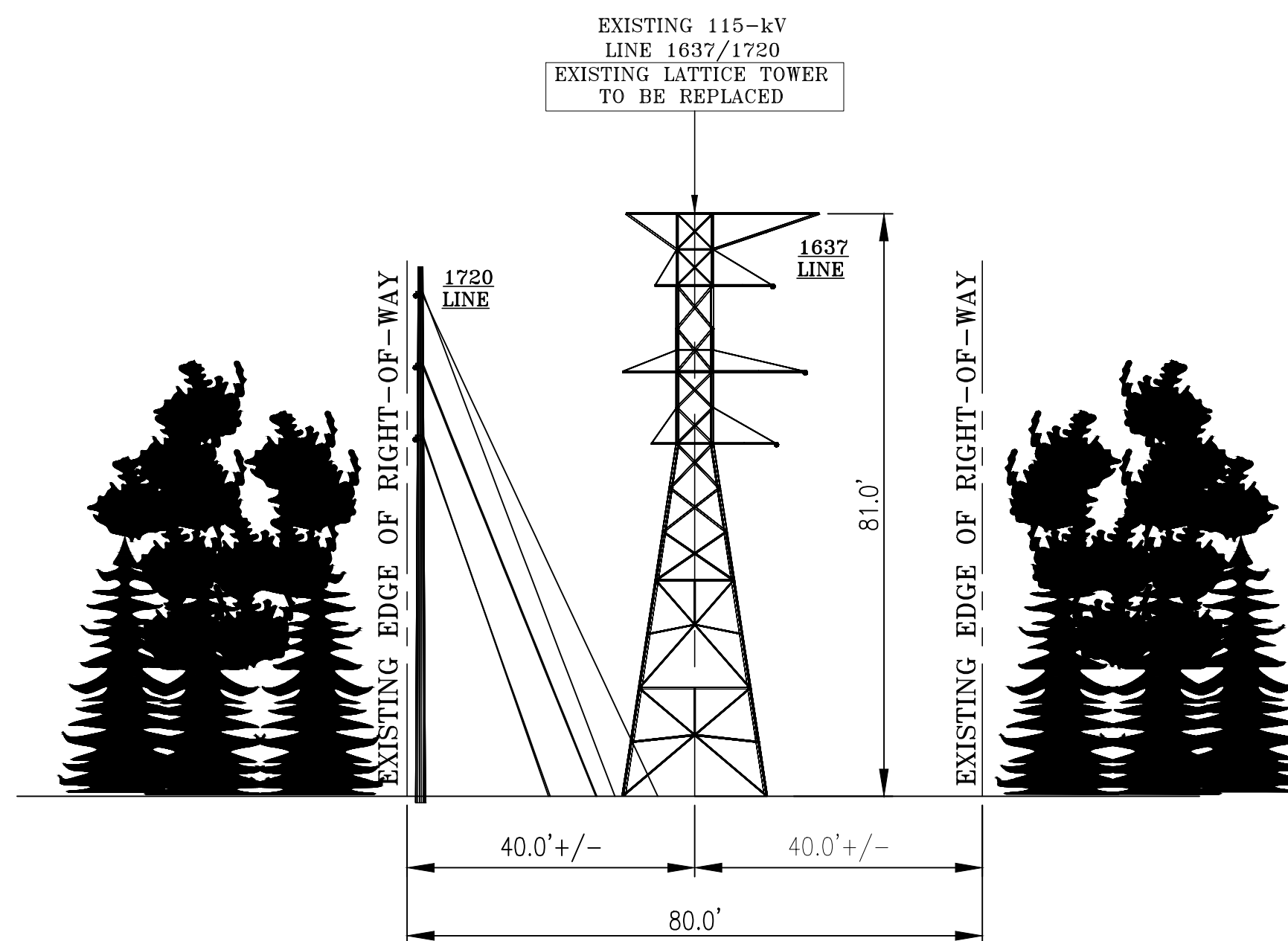
**EXISTING R.O.W. CONFIGURATION
DOUBLE-CIRCUIT STEEL LATTICE TOWER #933
LOOKING FROM WESTON SUBSTATION TO NORWALK JUNCTION
IN THE TOWN OF WILTON, CT**



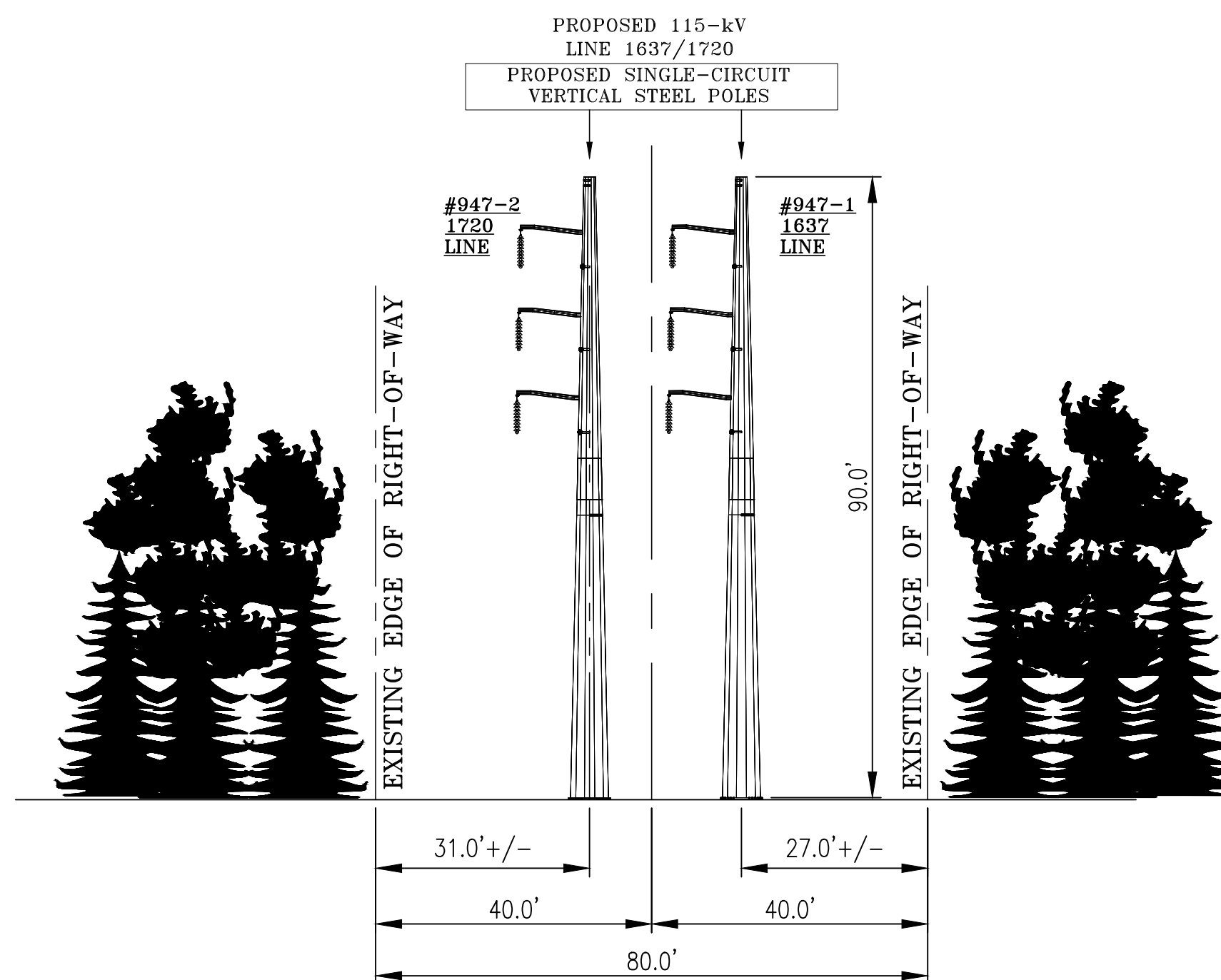
**PROPOSED R.O.W. CONFIGURATION
SINGLE-CIRCUIT STEEL POLES #933-1 AND #933-2
LOOKING FROM WESTON SUBSTATION TO NORWALK JUNCTION
IN THE TOWN OF WILTON, CT**

XS-1

EVERSOURCE ENERGY			
TITLE NORWALK JUNCTION - WESTON SUBSTATION 115-kV TRANSMISSION LINE RIGHT OF WAY CROSS SECTION WILTON, CT			
BY JRA	CHKD	APP	APP
DATE 11/6/2020	DATE	DATE	DATE
H-SCALE N.T.S.	SIZE D	FIELD BOOK & PAGES	
V-SCALE N.T.S.	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO. 01002-85004p001	



EXISTING R.O.W. CONFIGURATION
DOUBLE-CIRCUIT STEEL LATTICE TOWER #947
SINGLE-CIRCUIT WOOD POLE
LOOKING FROM WESTON SUBSTATION TO NORWALK JUNCTION
IN THE TOWN OF WILTON, CT



PROPOSED R.O.W. CONFIGURATION
SINGLE-CIRCUIT STEEL POLES #947-1 AND #947-2
LOOKING FROM WESTON SUBSTATION TO NORWALK JUNCTION
IN THE TOWN OF WILTON, CT

XS-2

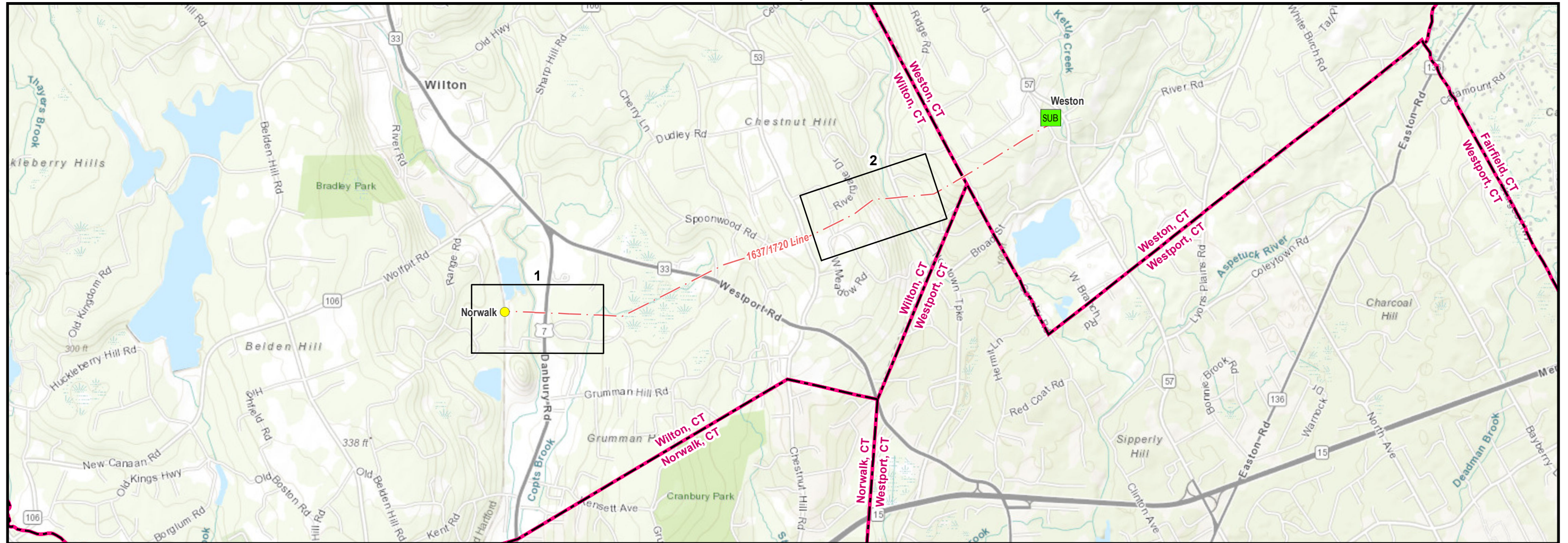
EVERSOURCE ENERGY			
TITLE NORWALK JUNCTION - WESTON SUBSTATION 115-kV TRANSMISSION LINE RIGHT OF WAY CROSS SECTION WILTON, CT			
BY JRA	CHKD	APP	APP
DATE 11/6/2020	DATE	DATE	DATE
H-SCALE N.T.S.	SIZE D	FIELD BOOK & PAGES	
V-SCALE N.T.S.	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO. 01002-85004p002	

ATTACHMENT C

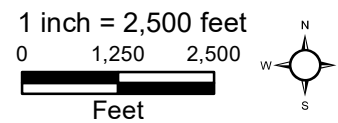
MAPS

LINE 1637/1720 LINES STRUCTURE REPLACEMENT

Wilton, CT
Sub-Petition Map Set
Date: January 19, 2021



● Junction ■ SUB Substation □ Map Sheet - - - Overhead Eversource Line



PREPARED FOR:

EVERSOURCE

107 Selden Street
Berlin, CT 06037

INDEX OF FIGURES

TITLE SHEET / INDEX MAP
MAP SHEETS 1 - 2
ABUTTER TABLES

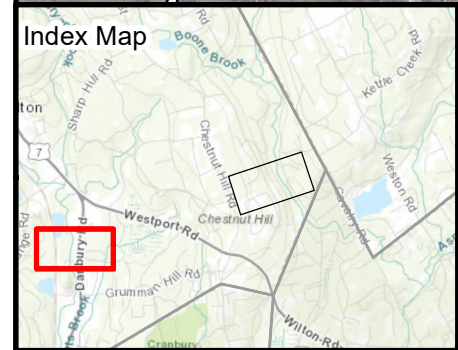
PREPARED BY:

BSC GROUP

33 Waldo Street
Worcester, MA 01608


**1637/1720 Lines Structure Replacement
Abutters List for Map Sheet 1**

Line List	Owner Name	Site Address	Town	State
94	ARROWHEAD ROAD		WILTON	CT
95	PAMELA J MUSOR	40 ARROWHEAD ROAD	WILTON	CT
96	ARROWHEAD COMMUNITY ASSOCIATION & SUSAN BARNETT	24 ARROWHEAD ROAD	WILTON	CT
98	STATE OF CONNECTICUT	DANBURY ROAD	WILTON	CT
98A	CONN LIGHT & POWER CO THE	DANBURY ROAD	WILTON	CT



Legend



● Existing Structure	— Delineated Wetland Boundary Outline	▭ Municipal Boundary
○ Existing Structure to be Removed	■ Field Delineated Wetland	▭ Line List Parcel
● Proposed Structure	■ Open Water	LL #100 Line List Label
--- Overhead Eversource Line	■ Waterbodies	— Railroad
--- Existing Access	▨ FEMA Floodway	— Roads
▭ Construct Stone Work Pad	▨ FEMA 100yr Floodplain	○ Culvert
▨ Temporary Construction Matting	▭ Existing Eversource Right-of-Way (ROW)	— 10ft Contours
▭ Pull Pad	▭ Eversource Owned Property	--- 2ft Contours


 1 inch = 200 feet
 0 100 200
 Feet

**LINE 1637/1720 LINES
STRUCTURE REPLACEMENT**

Environmental Resources Map

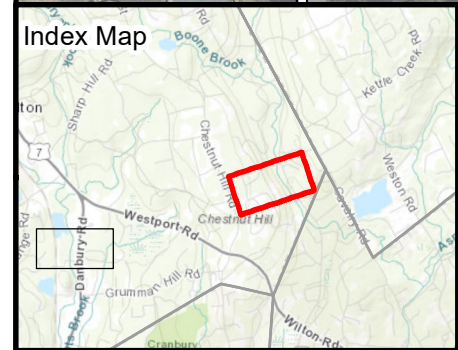
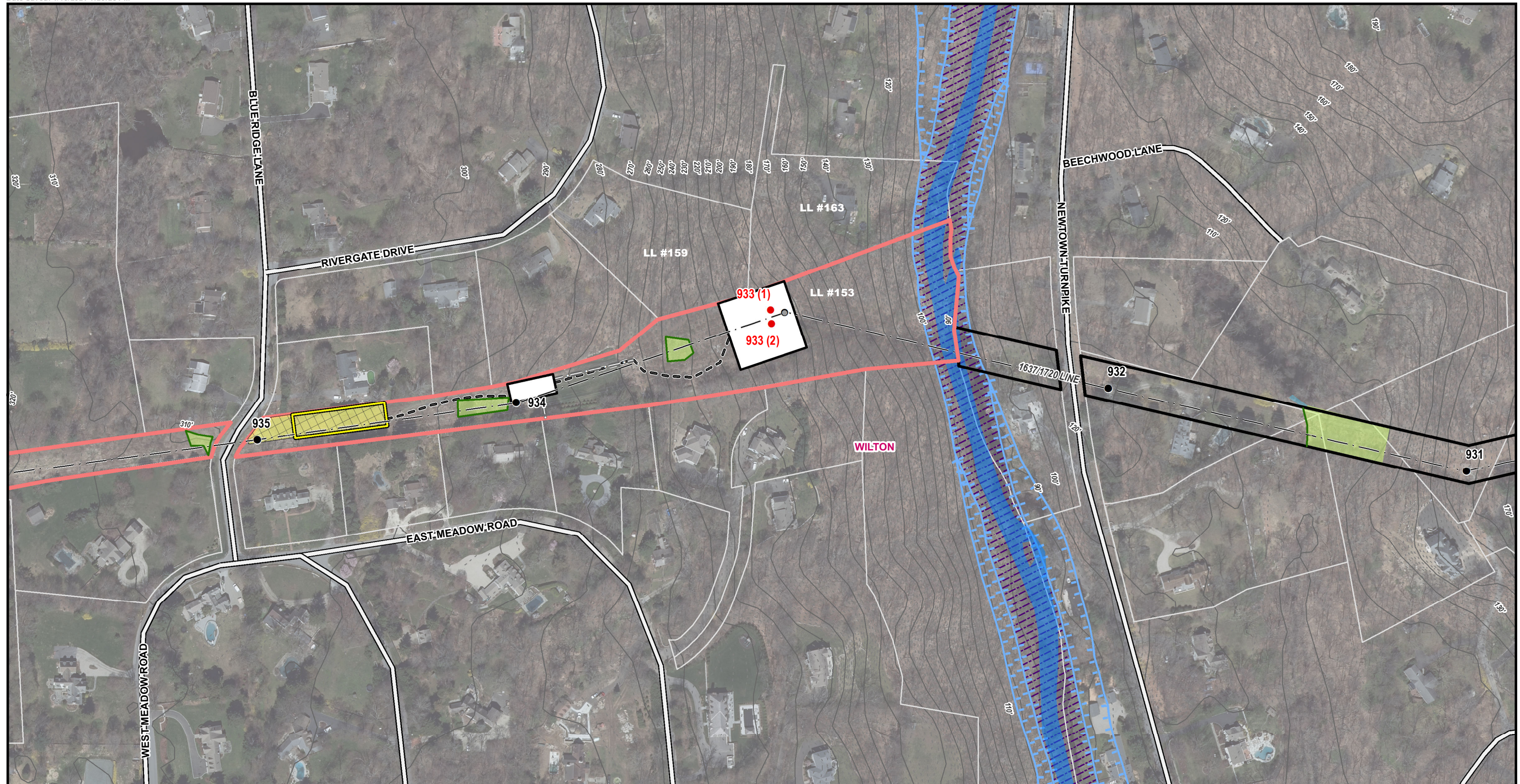
Wilton, CT
Page 1 of 2

Source:
 -CT DEEP
 Basemap & Environmental Data
 Aerial & Topo Imagery
 ESRI, DigitalGlobe, GeoEye, i-cubed,
 DeLorme, NAVTEQ, TomTom, Intermap,
 increment P Corp., AEX, GEBCO, USDA,
 USGS, FAO, NPS, NRCAN, GeoBase,
 Getmapping, Aerogrid, IGP, IGN, Kadaster
 NL, Ordnance Survey, ESRI Japan, METI,
 ESRI China (Hong Kong), swisstopo, & the
 GIS User Community

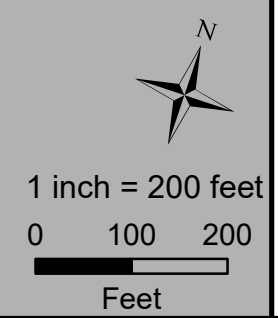
**1637/1720 Lines Structure Replacement
Abutters List for Map Sheet 2**

Line List	Owner Name	Site Address	Town	State
153	THE CONNECTICUT LIGHT & POWER COMPANY (EVERSOURCE)	RIVERGATE DRIVE	WILTON	CT
159	SOM & BINA DEV	49 RIVERGATE DRIVE	WILTON	CT
163	ROBERT & NICOLE ZEOLI	151 RIVERGATE DRIVE	WILTON	CT



Legend

● Existing Structure	— Delineated Wetland Boundary Outline	▭ Municipal Boundary
○ Existing Structure to be Removed	■ Field Delineated Wetland	▭ Line List Parcel
● Proposed Structure	■ Open Water	LL #100 Line List Label
--- Overhead Eversource Line	■ Waterbodies	— Railroad
- - - Existing Access	▨ FEMA Floodway	— Roads
▭ Construct Stone Work Pad	▨ FEMA 100yr Floodplain	● Culvert
▨ Temporary Construction Matting	▭ Existing Eversource Right-of-Way (ROW)	— 10ft Contours
▭ Pull Pad	▭ Eversource Owned Property	--- 2ft Contours



LINE 1637/1720 LINES STRUCTURE REPLACEMENT

Environmental Resources Map

Wilton, CT
Page 2 of 2

Source:
 -CT DEEP
 Basemap & Environmental Data
 -Aerial & Topo Imagery
 -ESRI, DigitalGlobe, GeoEye, i-cubed,
 DeLorme, NAVTEQ, TomTom, Intermap,
 increment P Corp., AEX, GEBCO, USDA,
 USGS, FAO, NPS, NRCAN, GeoBase,
 Getmapping, Aerogrid, IGN, Kadaster
 NL, Ordnance Survey, ESRI Japan, METI,
 ESRI China (Hong Kong), swisstopo, & the
 GIS User Community

EVERSOURCE
 BSC GROUP

**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: Wilton

Sub-Petition 1293-WT-01

Project: 1637/1720 Transmission Lines Structure Replacement Project

Structure Locations: Three Transmission Line Structures located in Wilton, 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 1637/1720 Transmission Lines Structure Replacement Project ("Project") is part of an ongoing 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, three structures require replacement on a portion of the 1637 and 1720 lines between Norwalk Junction Substation in Wilton to Weston Substation in Weston.

The 1637 Line, in its entirety, is a 115-kilovolt ("kV") line that extends from Norwalk Substation in Norwalk to Weston Substation. The 1720 Line, in its entirety, is a 115-kV line that extends from Norwalk Substation to Hawthorne Substation in Fairfield. The Project will be performed within the existing Eversource right-of-way ("ROW"). The replacement structures will require a slight increase in structure height to comply with current clearance requirements. Further, the replacement structure for structure 933, which is a double-circuit steel lattice tower (1637/1720 lines), will be converted to two single-circuit weathering steel monopole structures (structures 933-1 and 933-2).

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

- Replacement of one single-circuit wood structure 947 (1720 Line) with one single-circuit weathering steel monopole.
- Replacement of one single-circuit steel lattice tower structure 947-1 (1637 Line) with one single-circuit weathering steel monopole.
- Replacement of one double-circuit steel lattice tower 933 (1637/1720 lines) with two single-circuit weathering steel monopoles (structures 933-1 and 933-2).

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 property or existing 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) The Work Activities will not result in temporary or permanent wetland/watercourse impacts from the installation or removal of the structures or for access to these structures. 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 direct impacts to vernal pools would result from the proposed Work Activities.
- d) Based on review of the Connecticut Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Database ("NDDDB"), no Work Areas are proposed within a NDDDB buffered area and wetland jurisdictional area and/or CTDEEP owned/managed land. 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 would need to undertake tree trimming and/or vegetation removal/mowing within the managed portion of the ROW for conductor clearance.
- 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 revealed that no National or State Register of Historic Places properties/districts, or standing structures were identified within 500 feet of the Work Areas.

- g) Increases in the heights of the replacement structures will average approximately 9 feet above ground level.
- 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 lines 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:

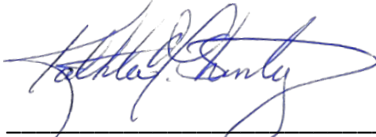
- Erosion and sediment controls ("E&S") will be employed and maintained, as needed, for the duration of the Work Activities in accordance with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control and the BMPs.
- Eversource's contractor will perform construction sequencing such that any 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 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 as needed. 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 to facilitate access to structures within the ROW. However, existing access roads in upland areas may be hardened and widened at turning areas to facilitate the safe passage of construction vehicles.

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

- Arrowhead Road for structures 947 and 947-1
- Blueridge Lane for structure 933

By: 

Kathleen M. Shanley
Manager - Transmission Siting

ATTACHMENT D
ABUTTER LETTER AND
PROOF OF NOTICE

January 20, 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 on the 1637 and 1720 lines in Wilton. 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. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-WT-01 this week to the Connecticut Siting Council (CSC) for its review and approval.

About This Electric System Improvement:

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 a total of three existing structures (wood monopole and steel lattice tower structures) with new weathering steel monopole structures. These are steel poles with a finish that "weathers" or darkens over time.

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, 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-WT-01 in your correspondence.

Our Commitment to You

We are committed to be 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
Eversource Project Manager

AFFIDAVIT OF SERVICE OF NOTICE

STATE OF CONNECTICUT)
) ss. Hartford
COUNTY OF 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 I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-WT-01 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipality listed below and five 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 Official:

The Honorable Lynne Vanderslice
First Selectwoman
Wilton Town Hall
238 Danbury Road
Wilton, CT 06897



Helen Taylor
Transmission Siting Specialist

On this the 21st day of January, 2021, before me, the undersigned representative, personally appeared, Helen Taylor, 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.



Officer of the Superior Court/Juris No. 413393
Notary Public
~~My Commission expires:~~