

November 3, 2017

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

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

Dear Ms. Bachman:

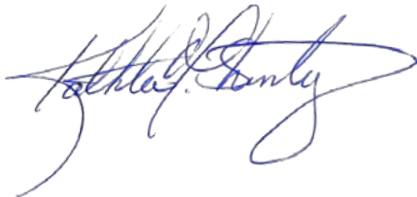
The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-MB-01 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Berlin and Middletown, Connecticut. The work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

Eversource sent the enclosed Sub-Petition to the officials of the municipalities of Berlin and Middletown and 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**

ATTACHMENT A

**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

Towns: Berlin and Middletown

Sub-Petition No. 1293-MB-01

Project: 1765 Transmission Line Structure Replacement

Structure Location: Seven Transmission Structures located in Berlin and Middletown, 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 1765 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 assure safe and reliable transmission of power to its customers. Due to asset condition, several structures require replacement on a portion of the 1765 Line, which is a 115-kV transmission line that extends generally from Berlin Substation in Berlin to West Side Substation in Middletown, Connecticut. Of those replacements, seven 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/or woodpecker/insect activity. The following work ("Work Activities") will be performed:

- Replace seven existing direct-embedded H-frame, wood structures with new, direct-embedded, H-frame, weathering steel structures that are slightly taller (9 feet or less) than the existing structures. The replacement structures will be installed within 15 feet of 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 within Eversource's existing right-of-way ("ROW") utilizing existing access routes (collectively the "Work Area").
- b) Work Activities would result in ±23,429 square feet ("sf") of temporary wetland impacts limited to matting required to provide for four construction work pads and access for structure 6174 (±5,024 sf), structure 6172 (±15,865 sf), structure 6170 (±601 sf) and structure 6143 (±1,939 sf). Work within the wetland system would be conducted in accordance with Eversource's *Best Management Practices Manual for Massachusetts and Connecticut (Construction and Maintenance Environmental Requirements)*, September 2016 ("BMPs").
- c) No vernal pools are located in proximity to the Work Areas where the proposed Work Activities would be performed.
- d) As a result of Eversource's review of the Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Data Base ("NDDB"), only structure #6143 will be located within a NDDB area. Eversource is currently in consultation with CTDEEP and will adhere to any rare species protection measures recommended by CTDEEP, as necessary, which will be incorporated into the Company's BMPs during construction.
- e) 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.
- f) A review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office ("SHPO") revealed that no previously identified archaeological site or 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, soils and SHPO file information, four of the proposed structure replacement locations (structures 6166, 6167, 6174 and 6181) were identified to possess a potential for moderate to high archaeological sensitivity. A Phase IB investigation that included shovel test pit testing has been completed for those structure locations. No cultural materials or features were noted during the Phase 1B survey; therefore, no additional archeological examination is warranted and no protective measures are required.

- g) Increased heights of the seven replacement structures average approximately eight feet and none will exceed 10 feet.
- h) Replacement structures would be located with 15 feet of existing structures.
- i) There are no 100-year flood zones in the Work Areas where the proposed Work Activities would be performed.
- 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 off 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.
- Potential impacts to wetlands and moderate to high archaeological sensitivity areas will be mitigated with the use of temporary matting and adherence to 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. 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.

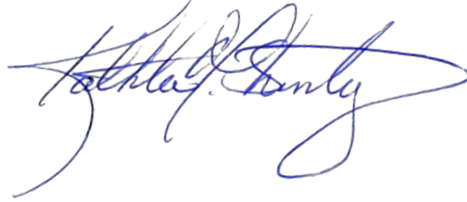
V. Access:

Some new access roads will 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. Temporary matting would be used in wetlands as well as in agricultural/maintained lawn upland areas.

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

- Berlin Street, Berlin for structure 6181
- Ledge Road, Berlin for structures 6174, 6172 and 6170
- Spruce Brook Road, Middletown for structures 6167 and 6166
- Oak Ridge Drive, Middletown for structure 6143

By:

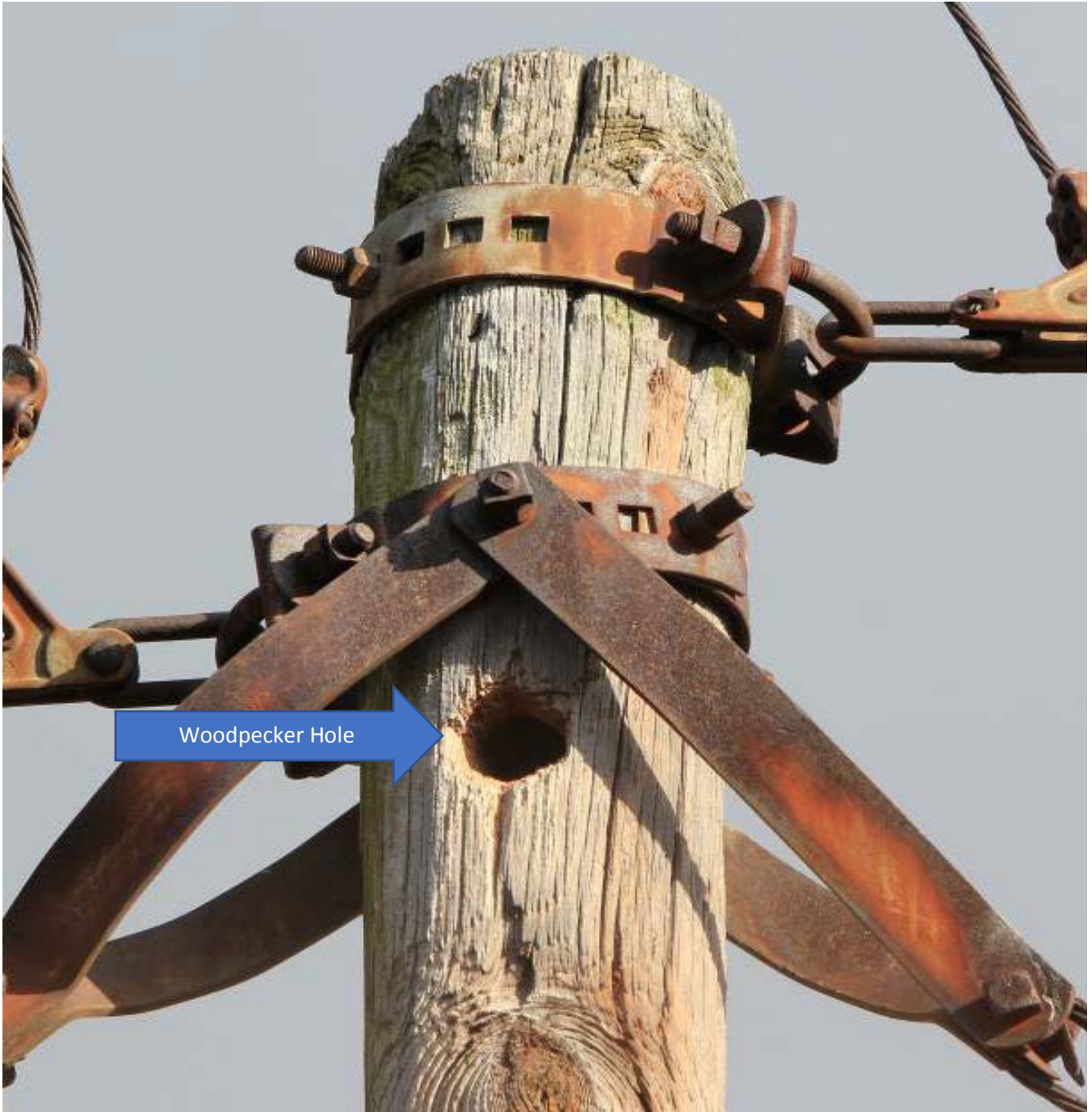


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Kathleen M. Shanley  
Manager - Transmission Siting

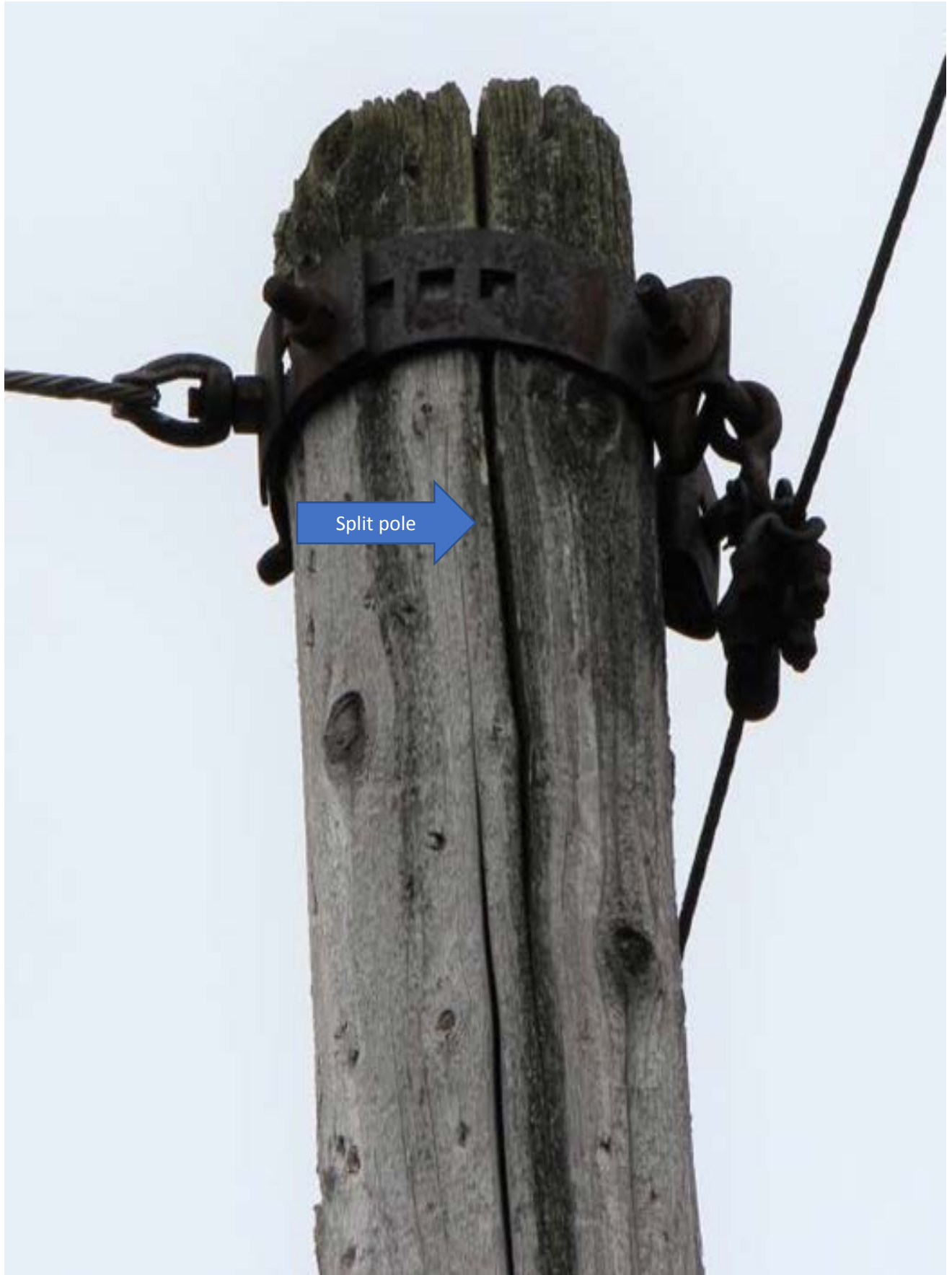
**ATTACHMENT B**  
**PHOTOGRAPHS AND**  
**PHOTO SIMULATION**

Structure 6167

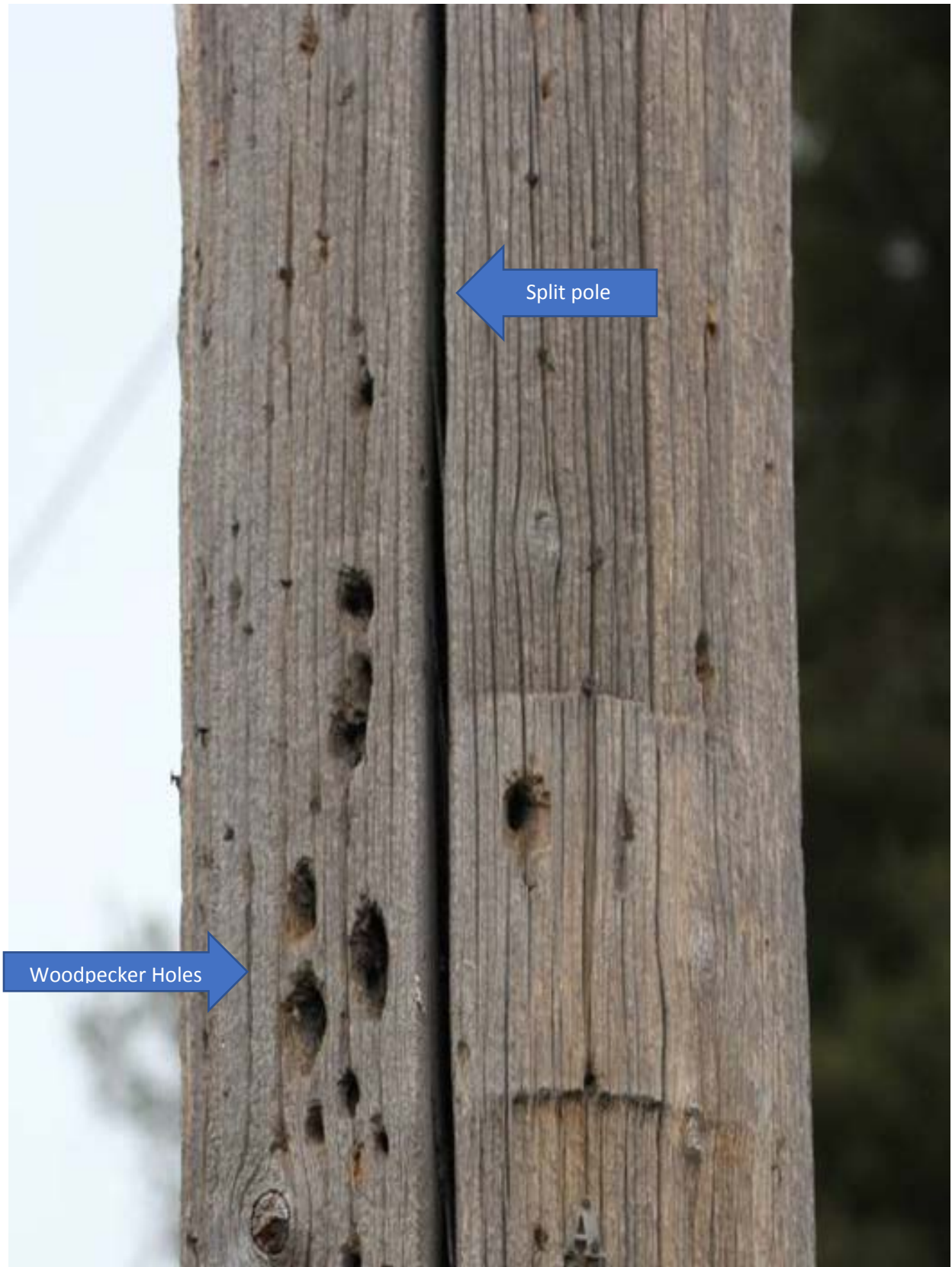




Structure 6170



Structure 6172



Structure 6174





**EXISTING**

1765 LINE  
**STRUCTURE 6166**

LOCATION

**SPRUCE BROOK ROAD - BERLIN, CT**

ORIENTATION

**SOUTH**





**PROPOSED**

1765 LINE  
**STRUCTURE 6166**

LOCATION

**SPRUCE BROOK ROAD - BERLIN, CT**

ORIENTATION

**SOUTH**



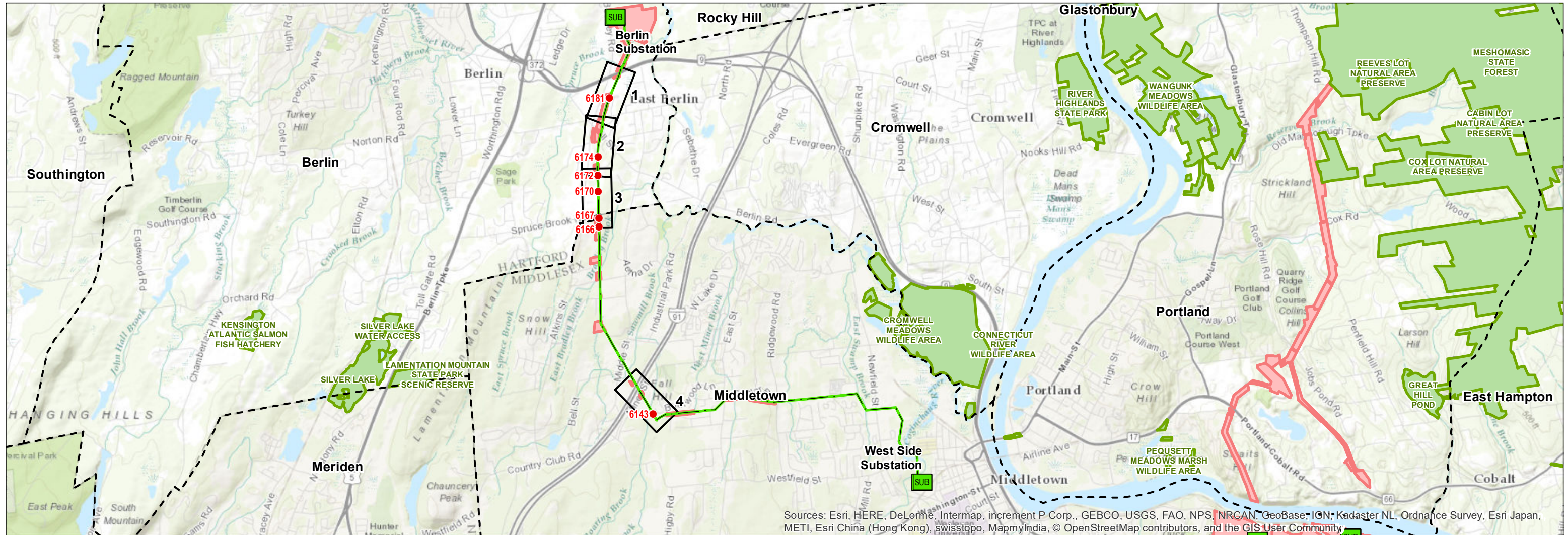
**ATTACHMENT C**

**MAPS**

# 1765 Line Structure Replacement Project

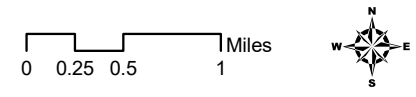
Berlin and Middletown, CT  
Sub-Petition Map Set

Date: October 13, 2017



## Legend

- Proposed Structure
- Line 1765
- SUB Substation
- Map Sheet
- State-Owned Property
- Eversource Owned Property



PREPARED FOR:

**EVERSOURCE**  
ENERGY

107 Selden Street  
Berlin, CT 06037

INDEX OF FIGURES

Cover / Index Map  
Map Sheets and Abutter Tables

PREPARED BY:

 **ALL-POINTS**  
TECHNOLOGY CORPORATION

3 Saddlebrook Drive  
Killingly, CT 06419

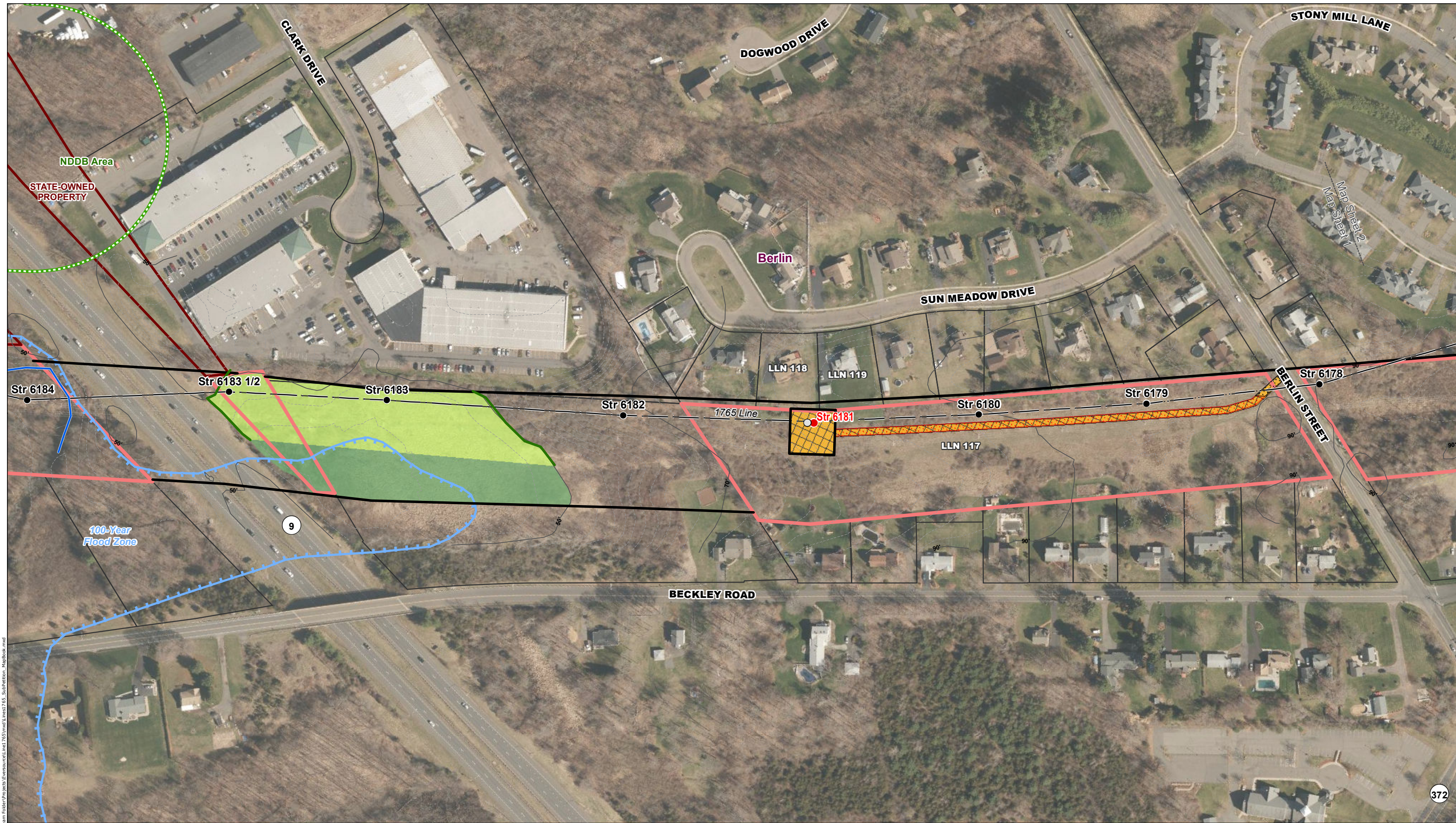
Map Sheet 1 of 4

Line 1765 Sub-Petition Structure Replacement Project

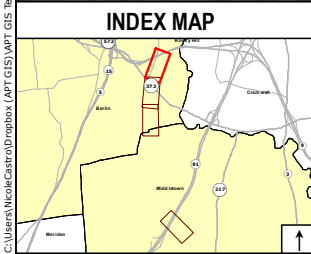
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
117	0 BERLIN STREET	BERLIN	CT	CONNECTICUT LIGHT & POWER
118	93 SUNMEADOW DRIVE	BERLIN	CT	NASIADEK ZBIGNIEW & EWA W
119	81 SUNMEADOW DRIVE	BERLIN	CT	DZIERLATKA CZESLAWA & KRZYSTYNA





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Legend	
● Existing Structure	Gate
○ Existing Structure to be removed	Existing Access
● Proposed Structure	Proposed Access
— Existing Right-of-Way	Work Pad
- · - · 1765 Transmission Line	● Culvert
- - - Transmission Line	— Perennial Watercourse
- · - · 10' Contour Line	— Delineated Wetland Boundary
— Railroad (none in mapped area)	■ Delineated Wetland Area
	■ Approximate Approximate Wetland Area
	■ Temporary Upland Construction Matting
	■ Temporary Wetland Construction Matting
	■ Natural Diversity Database (CTDEEP June 2017)
	■ Critical Habitat (CTDEEP 2009; none in mapped area)
	■ 100-Year Flood Zone (FEMA NFHL)
	■ Floodway (FEMA NFHL; none in mapped area)
	□ Parcel Boundary
	■ Eversource-Owned Property
	■ State-Owned Property
	■ Municipal Boundary
	--- Map Sheet Matchline

**Map Notes:**  
 Not for Construction  
 Parcel and ROW boundaries are approximate.  
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 32.3.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.

Base Map Source:  
 2016 Aerial Imagery (CTECO)

1 inch = 200 feet  
 0 50 100 200 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

**EVERSOURCE ENERGY**

**Transmission Line Maintenance  
 1765 Line Structure Replacement Project  
 Replacement Structure 6181**

Berlin, CT      Map Sheet 1 of 4

October, 2017

Map Sheet 2 of 4

Line 1765 Sub-Petition Structure Replacement Project

Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
149	PEPIN LANE	BERLIN	CT	JOHNS MATTHEW W & ALISON L
150	74 PEPIN LANE	BERLIN	CT	CONLEY CHRISTOPHER B & LAURA H
161	35 LEDGE ROAD	BERLIN	CT	THE ROTIROTI FAMILY TRUST
165	88 LEDGE ROAD	BERLIN	CT	VASI DANTE & DOREEN M
166	0 LEDGE ROAD	BERLIN	CT	MATSON JEFFERY & PAULINE

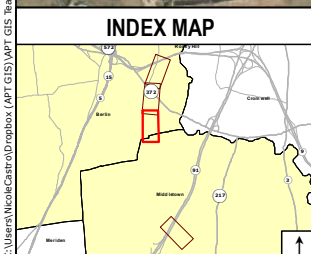
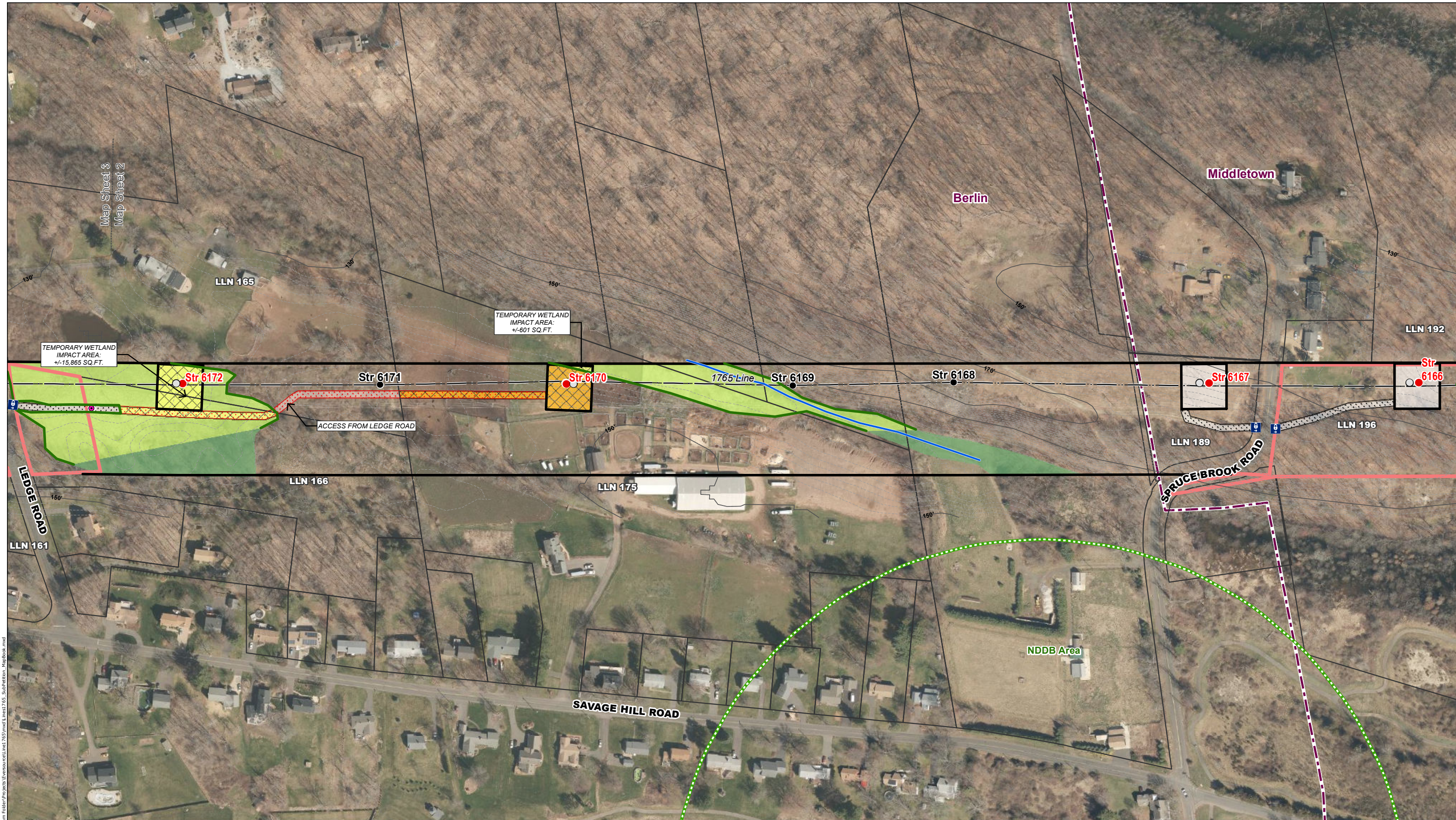


Map Sheet 3 of 4

Line 1765 Sub-Petition Structure Replacement Project

Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
165	88 LEDGE ROAD	BERLIN	CT	VASI DANTE & DOREEN M
166	0 LEDGE ROAD	BERLIN	CT	MATSON JEFFERY & PAULINE
175	369 SAVAGE HILL ROAD	BERLIN	CT	MATSON JEFFREY D & PAULINE
189	SPRUCE BROOK ROAD	MIDDLETOWN	CT	PETER JR AND ANTHONY NIRO
192	1125 MIDDLE STREET	MIDDLETOWN	CT	MIDDLE STREET LLC C/O LAURA ROMAN
196	SPRUCE BROOK ROAD	MIDDLETOWN	CT	CONNECTICUT LIGHT AND POWER



Legend	
● Existing Structure	Gate
○ Existing Structure to be removed	Existing Access
● Proposed Structure	Proposed Access
— Existing Right-of-Way	Work Pad
- - - 1765 Transmission Line	● Culvert
- - - Transmission Line	— Perennial Watercourse
— 10' Contour Line	— Delineated Wetland Boundary
— Railroad (none in mapped area)	● 100-Year Flood Zone (FEMA NFHL)
■ Delineated Wetland Area	■ Floodway (FEMA NFHL; none in mapped area)
■ Approximate Approximate Wetland Area	□ Parcel Boundary
■ Temporary Upland Construction Matting	■ Eversource-Owned Property
■ Temporary Wetland Construction Matting	■ State-Owned Property
■ Natural Diversity Database (CTDEEP June 2017)	■ Municipal Boundary
■ Critical Habitat (CTDEEP 2009; none in mapped area)	--- Map Sheet Matchline
■ 100-Year Flood Zone (FEMA NFHL)	

**Map Notes:**  
 Not for Construction  
 Parcel and ROW boundaries are approximate.  
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323-4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.

Base Map Source:  
 2016 Aerial Imagery (CTECO)

1 inch = 200 feet  
 0 50 100 200 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

**EVERSOURCE ENERGY**  
**Transmission Line Maintenance**  
**1765 Line Structure Replacement Project**  
**Replacement Structures 6166, 6167, 6170 & 6172**  
 Berlin / Middletown, CT      Map Sheet 3 of 4  
 October, 2017

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Map Sheet 4 of 4

Line 1765 Sub-Petition Structure Replacement Project

Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
238	OAK RIDGE DRIVE	MIDDLETOWN	CT	CONNECTICUT LIGHT AND POWER
239	LANCASTER COURT	MIDDLETOWN	CT	THE HUNT CLUB AT WESTFIELD



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



November 3, 2017

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 Middletown or Berlin. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-MB-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 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](mailto:siting.council@ct.gov). If you choose to send comments to the CSC, please reference Sub-Petition No. 1293-MB-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 [TransmissionInfo@eversource.com](mailto:TransmissionInfo@eversource.com). Thank you.

Sincerely,

*Brian Ragozzine*

Brian Ragozzine  
Eversource Project Manager – Transmission Projects

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 that on November 3, 2017, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-MB-01 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipalities listed below and 10 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:

Jack Healy, Interim Town Manager  
Town of Berlin  
240 Kensington Rd.  
Berlin, CT 06037

The Honorable Daniel T. Drew  
Mayor, City of Middletown  
245 deKoven Drive  
Middletown, CT 06457

  
Susan J. Bellion  
Project Siting Specialist

On this the 3<sup>rd</sup> day of November, 2017, before me, the undersigned representative, personally appeared, Susan J. Bellion, 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:

10/3/22