



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

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

December 1, 2017

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

Re: Sub-Petition No. 1293-TH-02

Dear Ms. Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-TH-02 ("Sub-Petition") with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Thomaston, Connecticut. The work includes replacing ten existing wooden transmission structures with new weathering steel transmission structures.

Eversource notified the officials of the municipality of Thomaston 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,

A handwritten signature in blue ink, appearing to read "Kathleen M. Shanley". The signature is fluid and cursive, with a large loop at the end.

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  
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: Thomaston

Sub-Petition No. 1293-TH-02

Project: 1921 Transmission Line Structure Replacement

Structure Locations: Ten Transmission Structures located in Thomaston, 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 1921 Transmission Line Structure Replacement Project is part of an ongoing maintenance program, that evaluates the integrity of its transmission structures and implements repair, upgrade or replacement in order to assure safe and reliable transmission of power to its customers. Due to asset condition, many structures require replacement on the portion of the 1921 Line, which is a 115-kV transmission line that extends generally from Thomaston Substation to Walnut Hill Junction in Thomaston, Connecticut. Of those replacements, ten 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") subject of this Sub-Petition will be performed:

- Replace ten existing direct-embedded single-pole wood structures with new, self-supporting weathering steel structures that are slightly higher (9 feet or less) than the existing structures. The replacement poles 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 and proposed new access routes (collectively the "Work Areas"). 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 new access roads that would need to be installed within the ROW to access the replacement structures.
- b) Work Activities would result in ±5,737 square feet ("SF") of temporary wetland impacts limited to matting required to provide for construction work pads and access for the following two structures:

<b>Structure Number</b>	<b>Temporary Wetlands Impact (SF)</b>
26000	±1,100 SF
26019	±4,637 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) With the exception of the access for structure 26019, no vernal pools are located in proximity to the Work Areas. The work pad for structure 26019 is located beyond the 100-foot vernal pool envelope ("VPE"). A portion of the proposed access would be located within the VPE; however, the area that is within the VPE is previously disturbed with an existing access road and construction mats would be used to minimize impact to this vernal pool, resulting in only ±2,500 SF of temporary impact. In addition, work in proximity to this vernal pool would be conducted in accordance with the BMPs. Therefore, the proposed Work Activities in proximity to this vernal pool would not likely result in an adverse impact to this resource.
- d) As a result of Eversource's review of the Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Data Base ("NDDB"), no portions of the proposed Work Activities will be located within NDDB areas.
- 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.
- e) 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, none of the proposed structure replacement locations were identified to possess a potential for moderate to high archaeological sensitivity. Therefore, no additional archaeological examination is warranted, no protective measures are required for the proposed activity and no effect on cultural resources will occur.
- g) The increased heights of the 10 replacement structures average approximately eight feet and will not exceed nine feet.
- h) Replacement structures would be located within 15 feet of existing structures.
- i) Only one structure (Structure 26000) is located in a 100-year flood zone. Eversource would utilize its

BMPs to minimize any impacts to the flood zone areas , including the use of temporary mats for work pads and access to structure locations to ensure that floodplain hydrology is not adversely affected. The proposed replacement structure 26000 located in a 100-year flood zone would not result in any significant changes in flood storage capacity or associated flood elevations since the replacement structure pole's diameter is similar to the existing structure thereby resulting in no or de minimis increase in flood volume displacement.

All construction mats placed in the flood zone would be removed following completion of Work Activities. Areas of disturbance would be promptly stabilized to minimize the potential for soil erosion and the flow of sediments into nearby resource areas. Eversource will also secure the construction mats to impede lateral movement should temporary flooding occur during significant storm events.

- j) No change in noise levels would result from installation of the new structures and the line would continue to comply with State of Connecticut noise regulations.
- k) 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.
- Potential impacts to wetlands and one vernal pool will be mitigated with the use of temporary matting and adherence to the BMPs.
- Potential impacts to 100-year flood zones 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 and then continue on existing access routes as follows:

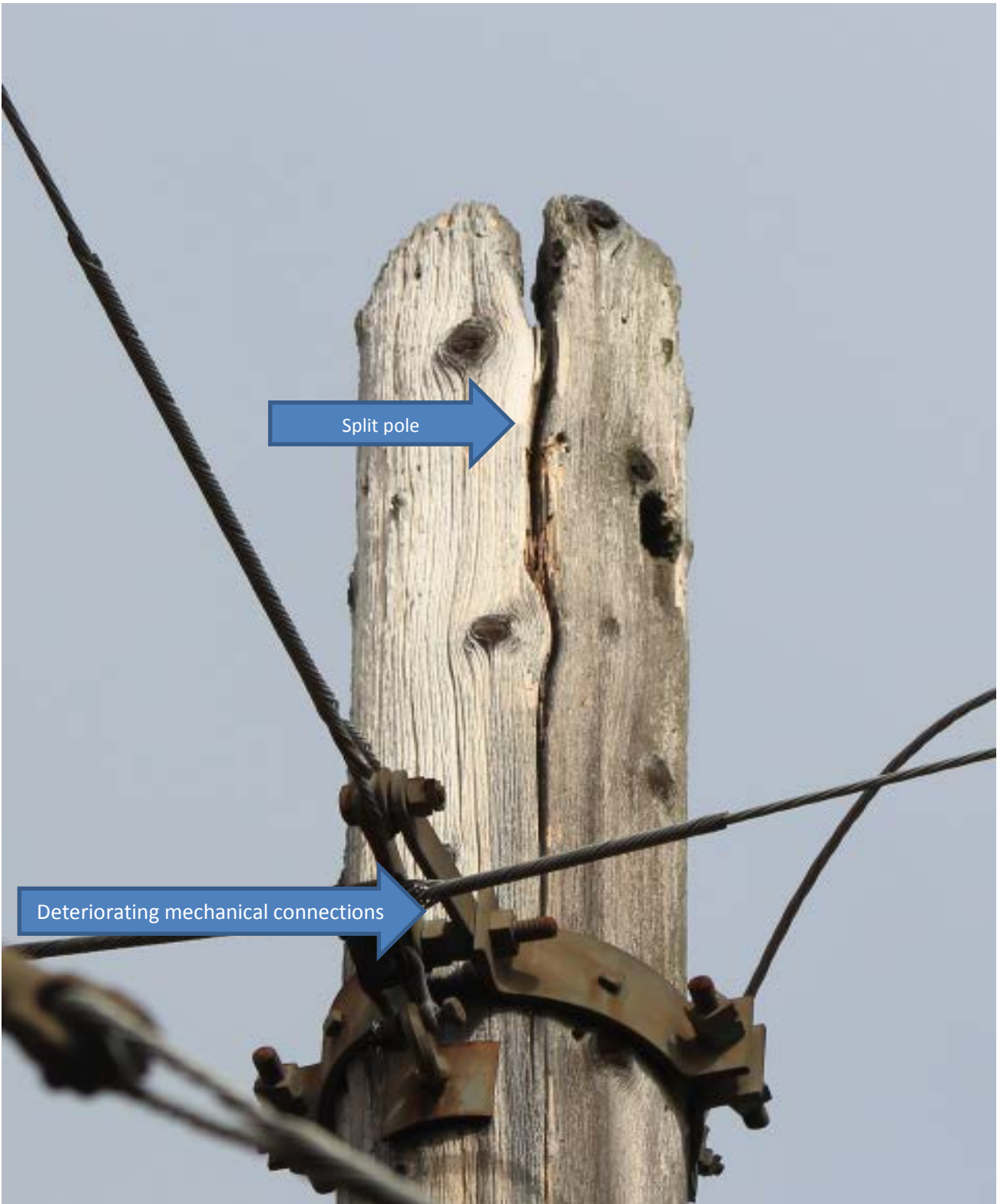
- Electric Avenue for structure 26000 (off-ROW access from an alternative location on Electric Avenue would be used if rights are obtained)
- Hotchkiss Avenue for structures 26001, 26003, 26005 and 26006 (off-ROW access from Williams Street to structures 26001 and 26003 would be used if rights are obtained)
- High Street Extension for structures 26007, 26009, 26010 and 26011 (off-ROW access from an alternative location on High Street Extension for structures 26009, 26010 and 26011 would be used if rights are obtained)
- Walnut Hill Road for structure 26019

By: 

Kathleen M. Shanley  
Manager -Transmission Siting

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

Structure #26003

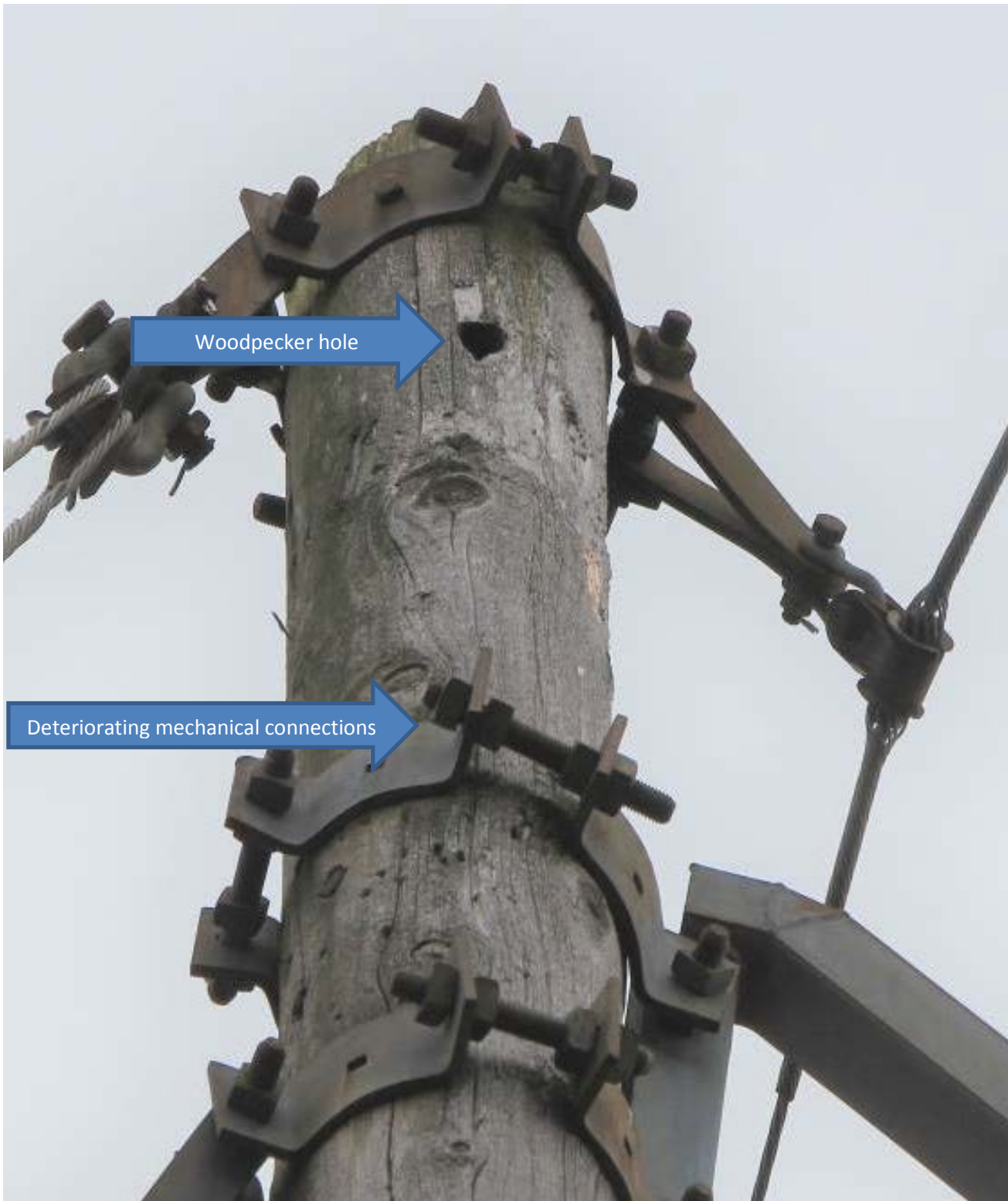




Structure #26006



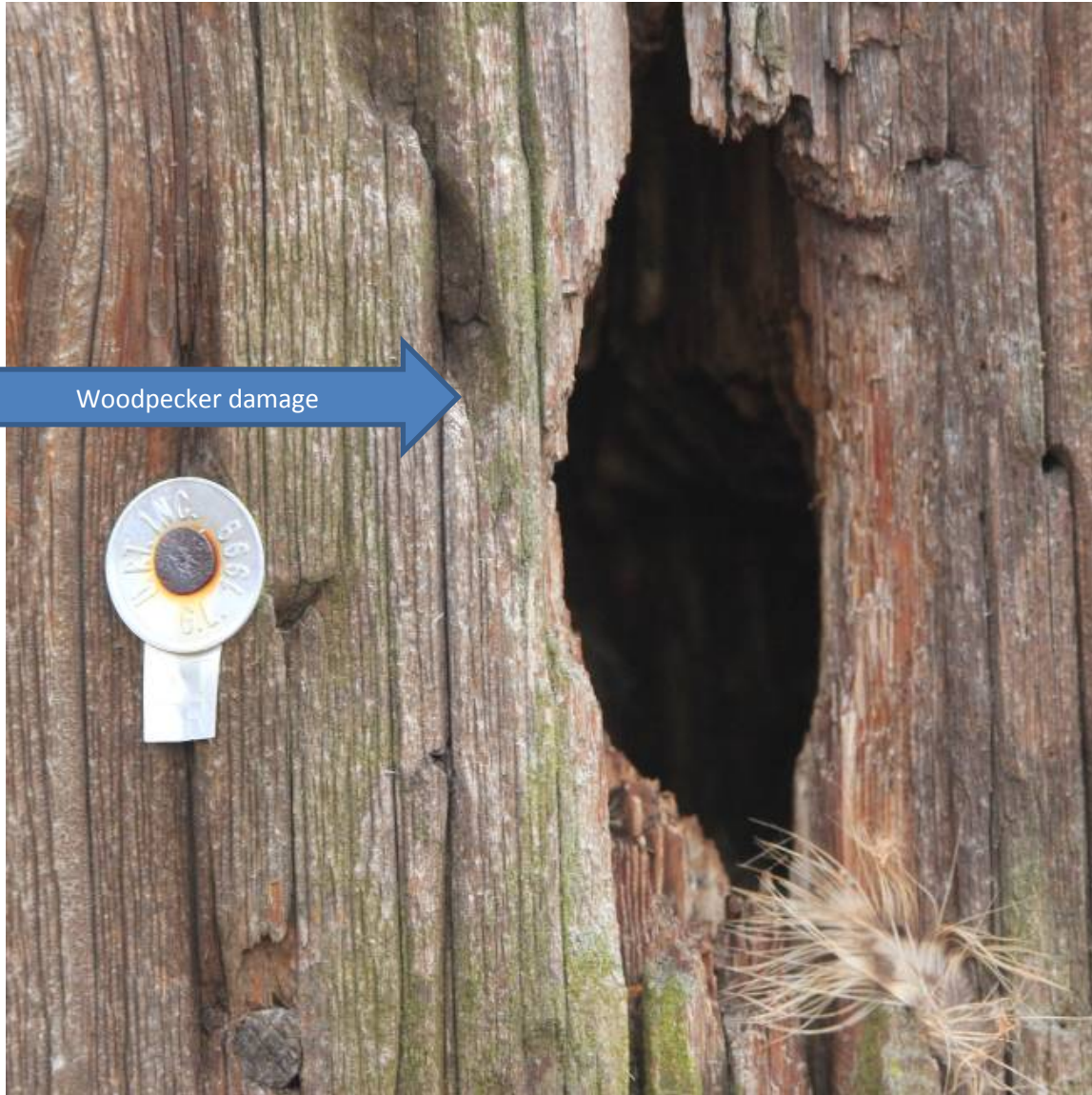
Structure #26007



Woodpecker hole

Deteriorating mechanical connections

Structure #26011



Woodpecker damage





**EXISTING**

1921 LINE

**STRUCTURE 26006**

LOCATION

**HOTCHKISS AVENUE - THOMASTON, CT**

ORIENTATION

**WEST**







**PROPOSED**

1921 LINE  
**STRUCTURE 26006**

LOCATION

**HOTCHKISS AVENUE - THOMASTON, CT**

ORIENTATION

**WEST**





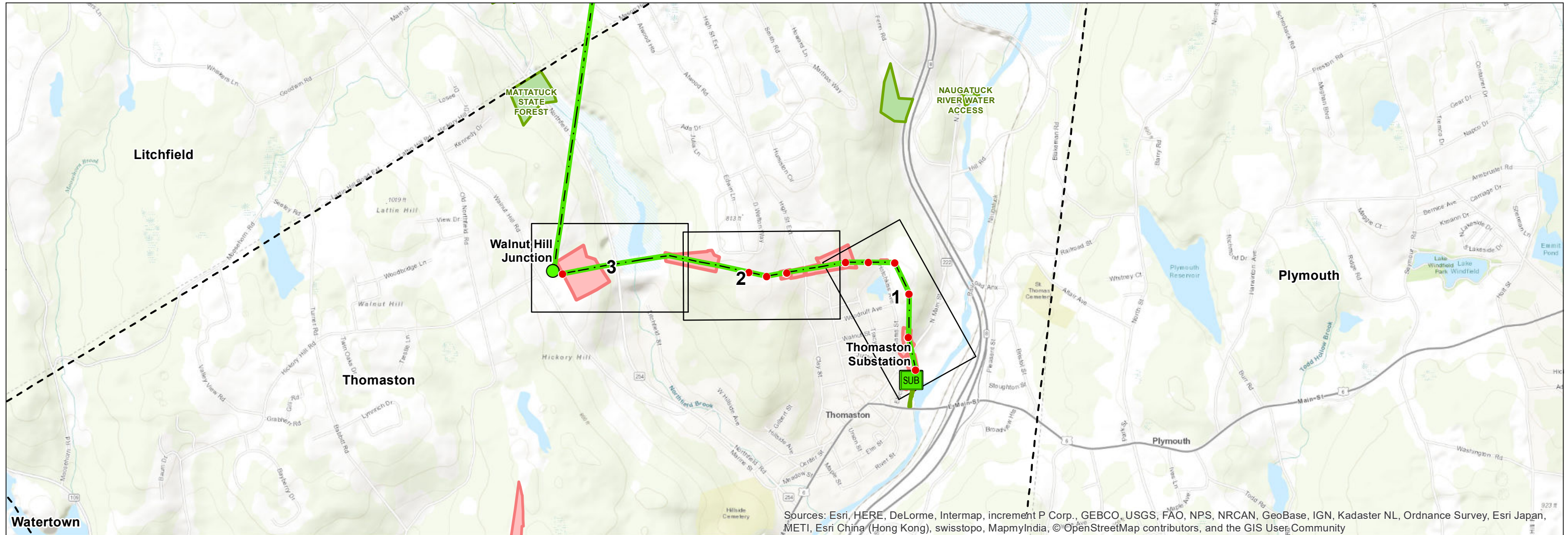
**ATTACHMENT C**

**MAPS**

# Thomaston Substation to Walnut Hill Junction (1921 Line) Structure Replacement Project

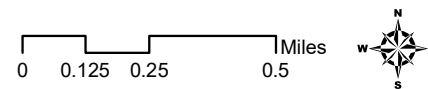
Thomaston, CT  
Sub-Petition Map Set

Date: November 21, 2017



### Legend

- Proposed Structure
- Line 1921
- Junction
- SUB Substation
- Map Sheet
- State-Owned Property
- Eversource Owned Property



PREPARED FOR:



107 Selden Street  
Berlin, CT 06037

INDEX OF FIGURES

Cover / Index Map  
Map Sheets and Abutter Tables

PREPARED BY:



3 Saddlebrook Drive  
Killingly, CT 06419

Map Sheet 1 of 3

Thomaston Substation to Hunts Brook Junction

Line 1921 Structure Replacement Project

Abutters List

<u>LLN Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
231	284 HIGH STREET EXTENSION	THOMASTON	CT	CONNECTICUT LIGHT & POWER
238	127 HOTCHKISS AVENUE	THOMASTON	CT	RODNEY V. & DANIELLE R. GEORGE
239	85 HOTCHKISS AVENUE	THOMASTON	CT	ANGELO & MARIA DISTASI
243	98 HOTCHKISS AVENUE	THOMASTON	CT	ANTHONY & JESSICA METZ
245	94 HOTCHKISS AVENUE	THOMASTON	CT	ALLEN R. RODE JR. & THERESA J. RODE
246	100 WILLIAMS STREET	THOMASTON	CT	ALLEN R. RODE JR.
247	102 WILLIAMS STREET	THOMASTON	CT	CHRISTOPHER C. & KIMBERLY K. ANGELL
251	179 NORTH MAIN STREET	THOMASTON	CT	CONNECTICUT LIGHT & POWER
252	183 NORTH MAIN STREET	THOMASTON	CT	FRANK MANKUS
262	40 ELECTRIC AVENUE	THOMASTON	CT	CONNECTICUT LIGHT & POWER
263	ELECTRIC AVENUE	THOMASTON	CT	SUBS REALTY INC



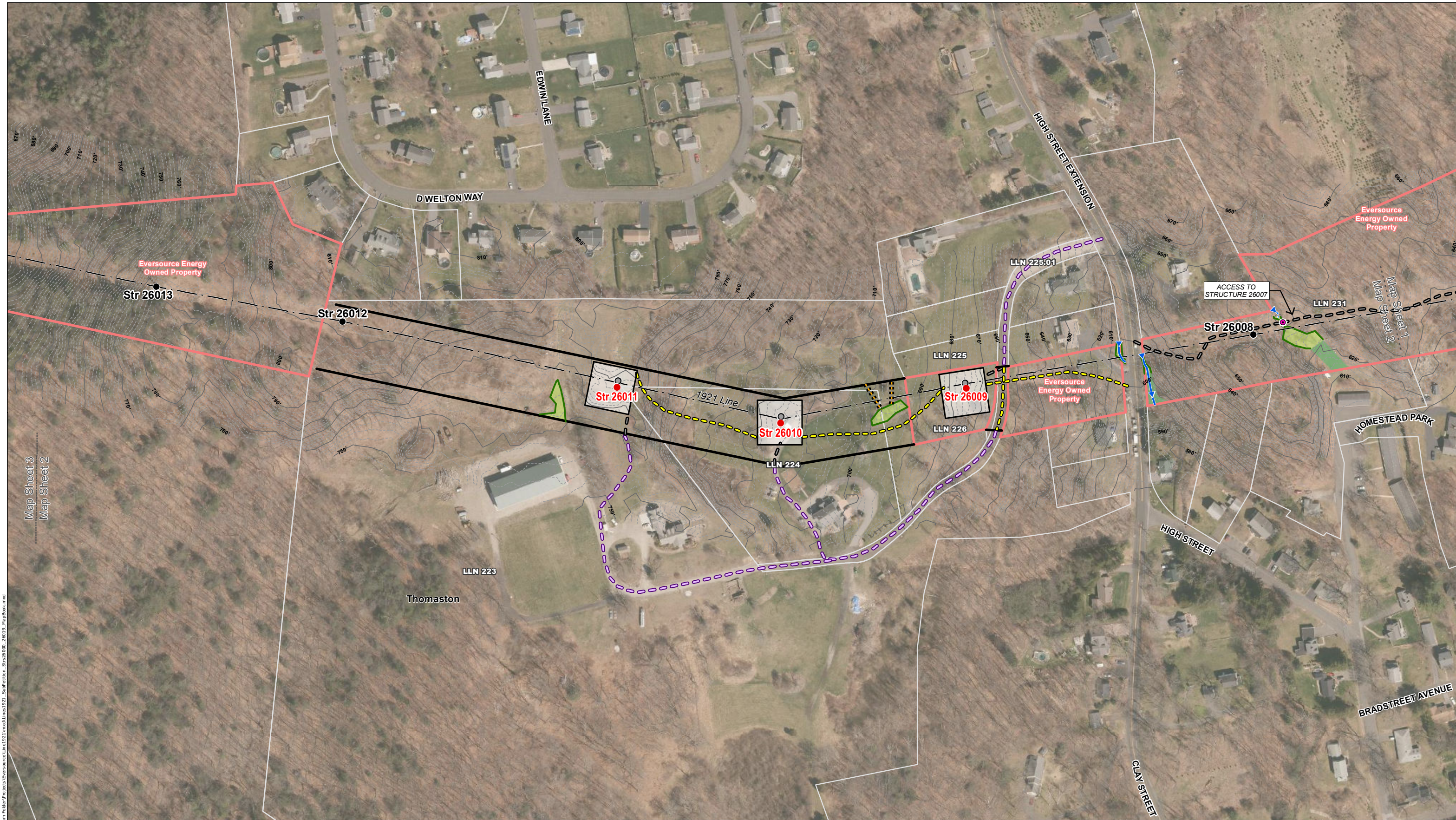




**Map Sheet 2 of 3**  
**Thomaston Substation to Hunts Brook Junction**  
**Line 1921 Structure Replacement Project**  
**Abutters List**

<u>LLN Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
223	337 HIGH ST EXTENSION	THOMASTON	CT	JOHN F. HYCHKO
224	341 HIGH ST EXTENSION	THOMASTON	CT	MICHAEL HYCHKO
225	331R HIGH ST EXTENSION	THOMASTON	CT	JOHN HYCHKO
225.01	337 HIGH ST EXTENSION	THOMASTON	CT	JOHN HYCHKO
226	335 HIGH ST EXTENSION	THOMASTON	CT	CONNECTICUT LIGHT & POWER
231	284 HIGH ST EXTENSION	THOMASTON	CT	CONNECTICUT LIGHT & POWER





Map Sheet 3  
Map Sheet 2

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**INDEX MAP**



**Legend**

- Proposed Structure
- Existing Structure
- Existing Structure to be removed
- Existing Right-of-Way
- 1921 Transmission Line
- 10' Contour Line
- 2' Contour Line
- Railroad (none in mapped extent)
- ⊕ Gate
- Stone Work Pad
- Existing Access
- Proposed Access
- Proposed Alternate Access (where new rights will be obtained)
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Drainage Swale
- Wetland Boundary
- Delineated Wetland
- Approximate Wetland
- Temporary Wetland Matting
- Temporary Upland Matting
- Natural Diversity Database (June 2017)
- Critical Habitat (CTDEEP, 2009; none in mapped extent)
- Floodway in Zone AE (CTDEEP; none in mapped area)
- 100-Year Flood Zone (CTDEEP)
- Vernal Pool
- Parcel Boundary
- State-Owned Property
- Eversource-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 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 Google Imagery

1 inch = 200 feet  
 0 50 100 200 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

**EVERSOURCE ENERGY**

**Transmission Line Maintenance  
 Thomaston Substation to Hunts Brook Junction  
 (1921 Line) Structure Replacement Project**

Thomaston, CT      Map Sheet 2 of 3

November, 2017

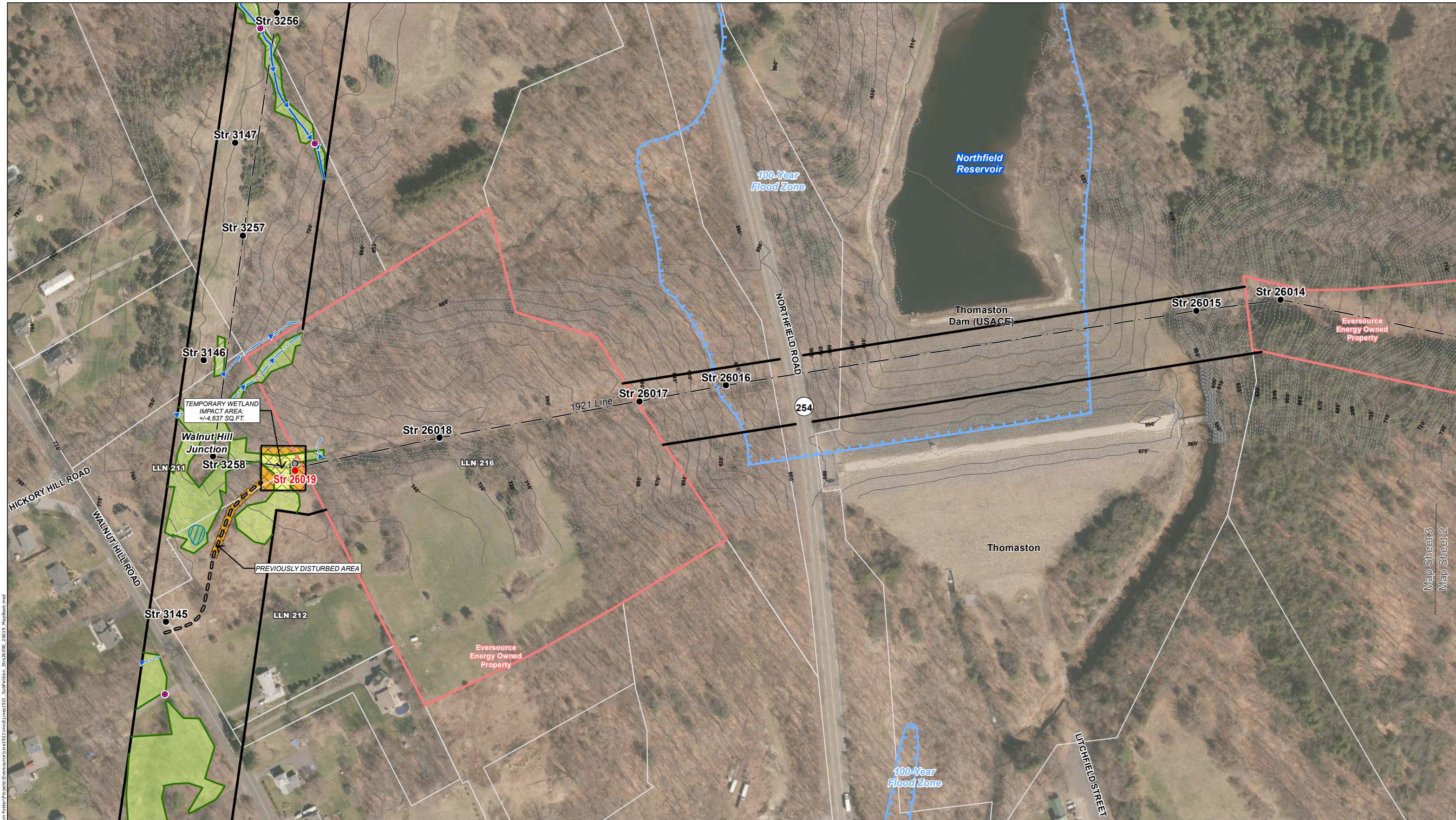
ALL-POINTS TECHNOLOGY CORPORATION



**Map Sheet 3 of 3**  
**Thomaston Substation to Hunts Brook Junction**  
**Line 1921 Structure Replacement Project**  
**Abutters List**

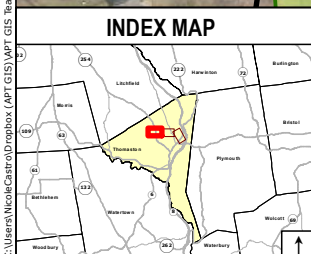
<u>LLN</u> <u>Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
211	496 WALNUT HILL ROAD	THOMASTON	CT	MICHAEL GUARNIERI
212	448 WALNUT HILL ROAD	THOMASTON	CT	CHRIS CANTONI
216	500 WALNUT HILL ROAD	THOMASTON	CT	CONNECTICUT LIGHT & POWER





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Map Sheet 3  
Map Sheet 2



Legend	
● Proposed Structure	○ Existing Structure
○ Existing Structure to be removed	○ Existing Access
○ Proposed Alternate Access (where new rights will be obtained)	○ Proposed Alternate Access (where new rights will be obtained)
— Existing Right-of-Way	— 1921 Transmission Line
— 10' Contour Line	— 2' Contour Line
— Railroad (none in mapped extent)	— Gate
□ Stone Work Pad	□ Existing Access
□ Proposed Alternate Access (where new rights will be obtained)	□ Culvert (center)
— Intermittent Watercourse	— Perennial Watercourse
— Drainage Swale	
— Wetland Boundary	— Delineated Wetland
— Approximate Wetland	— Temporary Wetland Matting
— Temporary Upland Matting	— Natural Diversity Database (June 2017)
— Critical Habitat (CTDEEP, 2009; none in mapped extent)	— Floodway in Zone AE (CTDEEP; none in mapped area)
— 100-Year Flood Zone (CTDEEP)	— Vernal Pool
— Parcel Boundary	— State-Owned Property
— Eversource-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 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 Google Imagery

NO.	DATE	REVISIONS	BY	CHK	APP	APP

**EVERSOURCE ENERGY**

**Transmission Line Maintenance  
 Thomaston Substation to Hunts Brook Junction  
 (1921 Line) Structure Replacement Project**

Thomaston, CT      Map Sheet 3 of 3

November, 2017

ALL-POINTS TECHNOLOGY CORPORATION



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

December 1, 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 Thomaston. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-TH-02 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-TH-02 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

