

July 23, 2018

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

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

Dear Ms. Bachman:

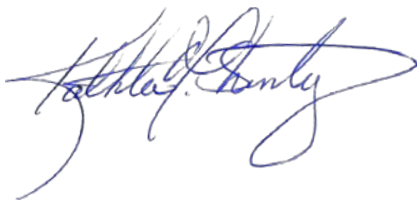
The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No. 1293-CS-01 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Canton and Simsbury, Connecticut. The work includes replacing 9 existing wooden transmission structures with new weathering steel transmission structures.

Eversource notified the officials of the municipalities of Canton and Simsbury 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
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: Canton and Simsbury

Sub-Petition No. 1293-CS-01

Project: 1256 Transmission Line Structure Replacement Project

Structure Location: 9 Transmission Structures located in Canton and Simsbury, 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 1256 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 1256 Line between Canton Substation in Canton and Laurel Lane in Simsbury, Connecticut. The 1256 Line, in its entirety, is a 115-kV transmission line that extends from Canton Substation in Canton to Northeast Simsbury Substation in Simsbury, Connecticut. Of these replacements, nine 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 nine existing wood H-Frame structures with new weathering steel H-Frame structures that are slightly taller (9 feet or less) than the existing structures. The replacement structures will be installed within 15 feet of the existing structures.

III. No Substantial Adverse Environmental Effect:

Eversource respectfully submits that the proposed modifications would have no "substantial adverse environmental effect" pursuant to Conn. Gen. Stat. § 16-50k, based on the following factors:

- a) Work Activities would take place in areas within Eversource's property and existing right-of-way ("ROW") utilizing existing access roads and one temporary access road (collectively the "Work Areas"). Some of the existing access roads will be improved.
- b) Work Activities would result in ±33,940 square feet ("SF") of temporary wetland impacts limited to temporary construction matting required for the construction of work pads for structures 40002, 40016, 40023, and 40026 and a portion of the access road for structure 40079. See table below for details.

Access Road	Construction Work Pads	Temporary Wetland Impacts (SF)
Access to structure 40079		±1,970
	Structure 40002	±10,300
	Structure 40016	±8,240
	Structure 40023	±8,460
	Structure 40026	±4,970
Total:		±33,940 (SF)

Work would be conducted in accordance with Eversource's *Best Management Practices Manual for Massachusetts and Connecticut (Construction and Maintenance Environmental Requirements)*, September 2016 ("BMPs") to avoid impact to nearby wetland and watercourse resources.

- c) No direct impacts to vernal pools would result from any of the proposed Work Activities. A vernal pool is located in proximity to the existing access road leading to structure 40026 and a portion of the access road traverses through the 100' vernal pool envelope; however, no access road improvements are needed within this area. A portion of the work pad for structure 40026 is located within an associated wetland area beyond the vernal pool buffer. Temporary construction matting would be used for the work pad. No adverse impact to the vernal pool would result from the proposed Work Activities.
- d) As a result of Eversource's review of the Connecticut Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Data Base ("NDDB"), only the proposed Work Activities associated with structures 40002, 40016, 40023, 40026, 40078, and 40079 would be located within NDDB polygons and wetland jurisdictional areas, and therefore would be subject to a NDDB review request. Eversource submitted a NDDB review request to CTDEEP on May 17, 2018 and is awaiting a response, as of the date of this document. Eversource 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.
- e) 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.

- f) 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, one of the proposed work pad locations was 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.
- g) Increased heights of the 9 replacement structures will average approximately 5 feet and none will exceed 9 feet.
- h) Replacement structures will be located within 15 feet of existing structures.
- i) There are no 100-year flood zones in the Work Areas.
- 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 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 watercourses will be mitigated with the use of temporary matting and adherence to the BMPs.
- NDDDB recommended rare species protective measures will be incorporated into the company's BMP during construction.
- Eversource's contractor would perform construction sequencing such that any earth materials are exposed for a minimum amount 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:

No new permanent access roads would be constructed to facilitate access to structures within the ROW. 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 one temporary access road 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:

- Morgan Road for structures 40002 and 40008
- Olson Road for structure 40016
- East Mountain Road for structures 40022 and 40023
- North Mountain Road for structure 40026
- Laurel Lane for structures 40081, 40079 and 40078

By:



Kathleen M. Shanley
Manager - Transmission Siting

ATTACHMENT B
PHOTOGRAPHS AND
PHOTO SIMULATION

Structure #40002



Structure #40026



Structure #40078



Structure #40081



Woodpecker Damage

Deteriorating Mechanical Connections



EXISTING

1256 LINE

STRUCTURE 40026

LOCATION

NORTH MOUNTAIN ROAD AT PINE ACRES DRIVE

ORIENTATION

NORTHEAST



ALL-POINTS
TECHNOLOGY CORPORATION

EVERSOURCE
ENERGY



PROPOSED

1256 LINE

STRUCTURE 40026

LOCATION

NORTH MOUNTAIN ROAD AT PINE ACRES DRIVE

ORIENTATION

NORTHEAST



ALL-POINTS
TECHNOLOGY CORPORATION

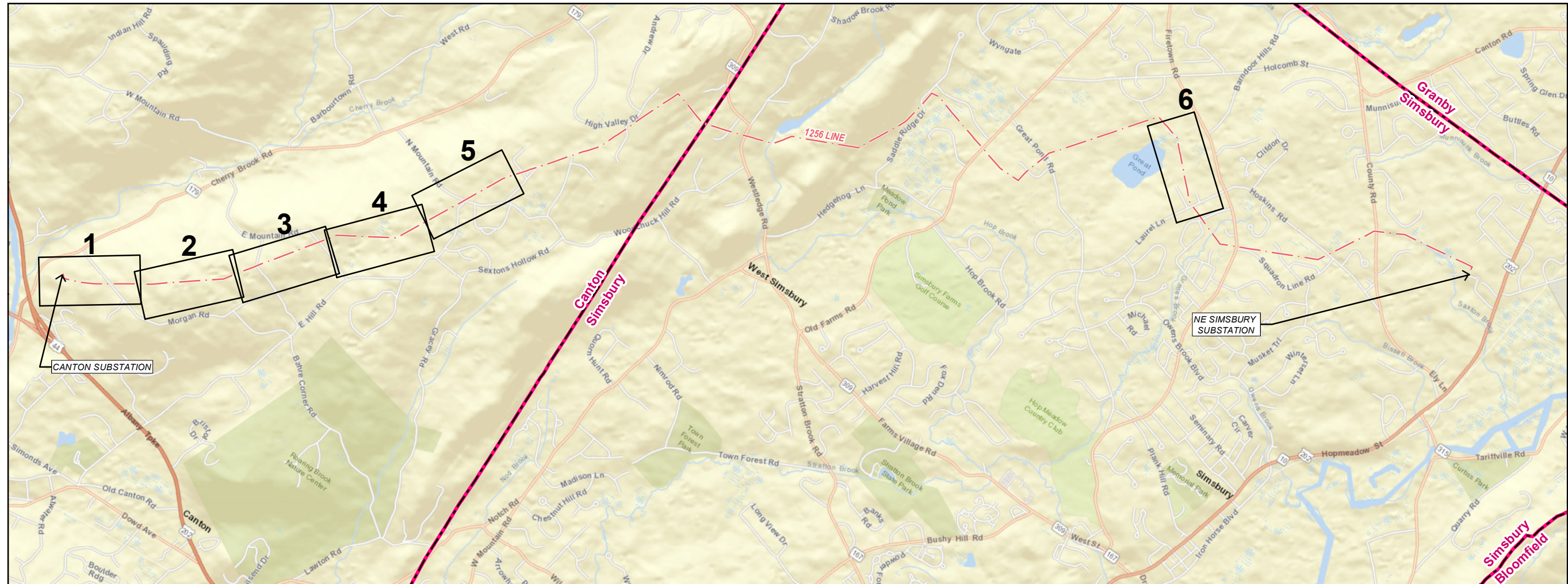
EVERSOURCE
ENERGY

ATTACHMENT C

MAPS

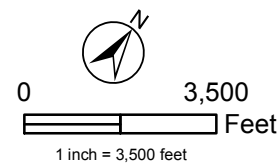
1256 LINE STRUCTURE REPLACEMENT PROJECT

Canton & Simsbury, CT
 Sub-Petition Map Set
 07/20/2018



Legend

Map Sheet
 - - - Overhead Eversource 1256 Line



PREPARED FOR:

EVERSOURCE
 ENERGY
 107 Selden Street
 Berlin, CT 06037

INDEX OF FIGURES

Title Sheet/Index Map
 Abutters Lists & Map Sheets

PREPARED BY:

GZA GeoEnvironmental, Inc.
 Engineers and Scientists
 www.gza.com

Mapsheet 1 OF 6
1256 Line Structure Replacement Project
Sub-Petition Abutters List

LINE LIST NO.	OWNER NAME	PARCEL ADDRESS	PARCEL CITY	STATE
100	CONNECTICUT LIGHT & POWER	13 MORGAN ROAD	CANTON	CT



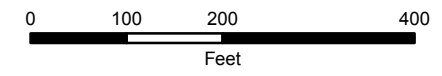
INDEX MAP



LEGEND		
● Proposed Structure	Confirmed Vernal Pool Extent	Eversource Owned Property
● Existing Structure	100' Vernal Pool Buffer	State Owned Property
● Existing Structure to be Removed	Watercourse (not delineated)	2-ft Contour
--- Overhead Eversource Line	Approximate Wetland	--- 10-ft Contour
--- Existing Access	Open Water	X-X Fence
--- Proposed Access	FEMA 100-Year Flood Zone	OOOO Stone Wall
--- Proposed Alternate Access	NDDB Area December 2017	● Culvert
--- Access Road to be Improved	Confirmed Frosted Elfin Habitat	Stone Work Pad
Gate	Temporary Construction Matting	--- Municipal Boundary
Field Delineated Wetland	Parcel Boundary	○ Hiking Trail
Delineated Wetland Boundary Outline	Delineated Intermittent Watercourse	1234 Proposed Structure
	Delineated Perennial Watercourse	1234 Existing Structure



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**1256 Line
 Structure Replacement Project
 07/20/2018
 Sub-Petition Map Set**

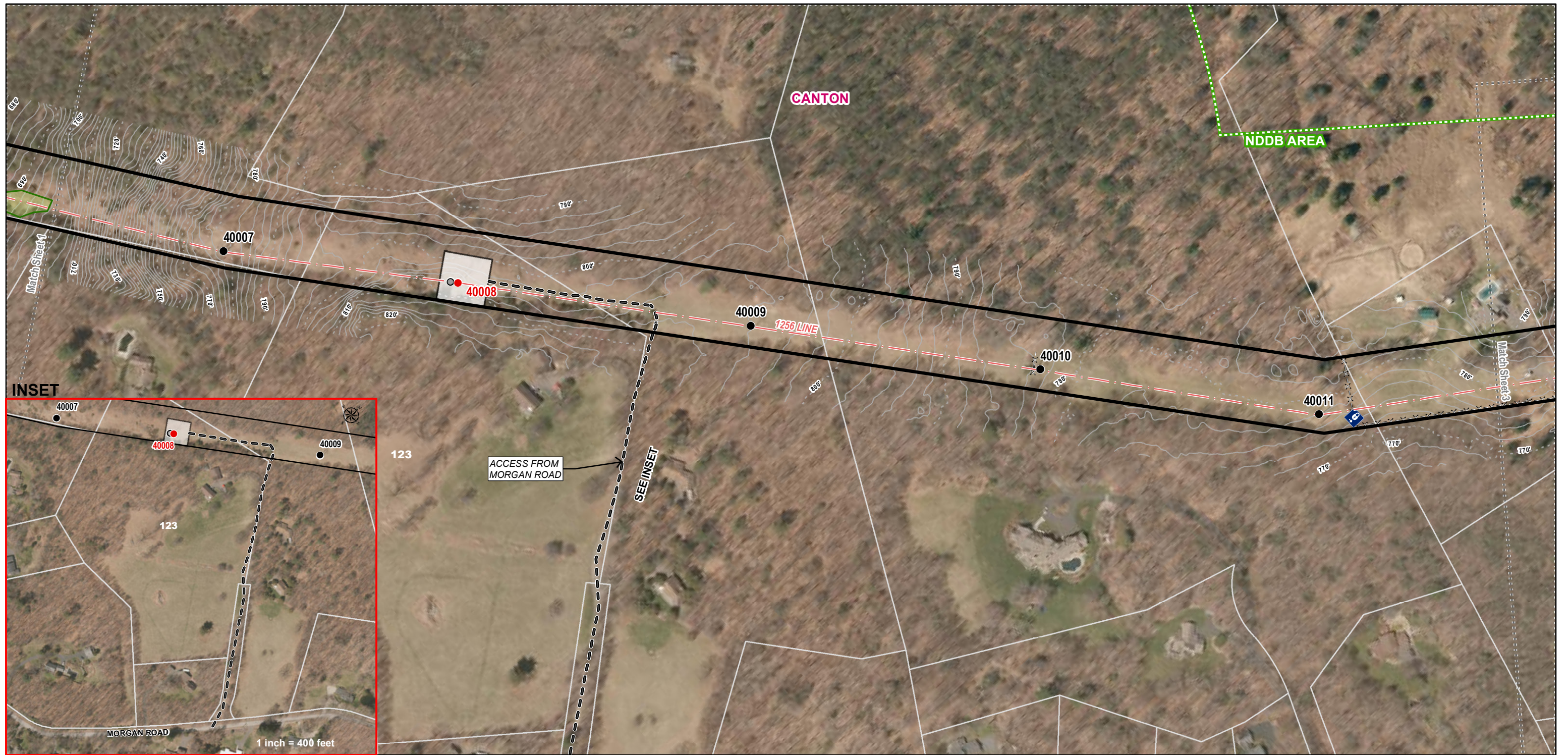
Canton, CT

Map Sheet 1 - 6

*Note: Legend items may not appear on each map sheet

Mapsheet 2 OF 6
1256 Line Structure Replacement Project
Sub-Petition Abutters List

LINE LIST NO.	OWNER NAME	PARCEL ADDRESS	PARCEL CITY	STATE
123	STEVEN T & ELIZABETH G LINGENHELD	98 MORGAN ROAD	CANTON	CT



INDEX MAP



LEGEND		
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- - - Proposed Alternate Access	NDDB Area December 2017	● Culvert
- - - Access Road to be Improved	Confirmed Frosted Elfin Habitat	□ Stone Work Pad
Gate	Temporary Construction Matting	— Municipal Boundary
Field Delineated Wetland	Parcel Boundary	○ Hiking Trail
Delineated Wetland Boundary Outline	Delineated Intermittent Watercourse	1234 Proposed Structure
	Delineated Perennial Watercourse	1234 Existing Structure

0 100 200 400
Feet

EVERSOURCE ENERGY

GZA GeoEnvironmental, Inc.
Engineers and Scientists
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Source: Esri, DigitalGlobe,

**1256 Line
Structure Replacement Project
07/20/2018
Sub-Petition Map Set**

Canton, CT

Map Sheet 2 - 6

*Note: Legend items may not appear on each map sheet

Mapsheet 3 OF 6
1256 Line Structure Replacement Project
Sub-Petition Abutters List

LINE LIST NO.	OWNER NAME	PARCEL ADDRESS	PARCEL CITY	STATE
136	KENNETH & JILL BRANDON	85 EAST MOUNTAIN ROAD	CANTON	CT



INDEX MAP



LEGEND		
● Proposed Structure	Confirmed Vernal Pool Extent	Eversource Owned Property
● Existing Structure	100' Vernal Pool Buffer	State Owned Property
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Feet

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1256 Line Structure Replacement Project
07/20/2018
Sub-Petition Map Set
Canton, CT

Map Sheet 3 - 6

*Note: Legend items may not appear on each map sheet

Mapsheet 4 OF 6
1256 Line Structure Replacement Project
Sub-Petition Abutters List

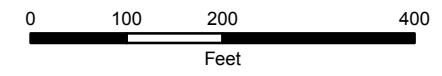
LINE LIST NO.	OWNER NAME	PARCEL ADDRESS	PARCEL CITY	STATE
151	SUSAN ENGWALL	348 EAST HILL ROAD	CANTON	CT



INDEX MAP



LEGEND		
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Proposed Access	FEMA100-Year Flood Zone	Stone Wall
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**1256 Line
 Structure Replacement Project
 07/20/2018
 Sub-Petition Map Set
 Canton, CT**

Map Sheet 4 - 6

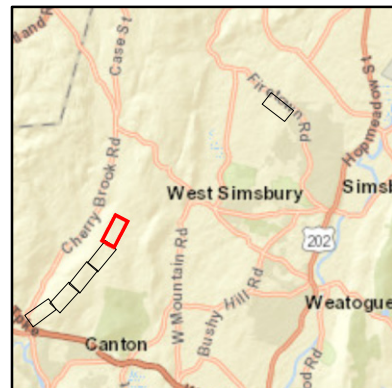
*Note: Legend items may not appear on each map sheet

Mapsheet 5 OF 6
1256 Line Structure Replacement Project
Sub-Petition Abutters List


LINE LIST NO.	OWNER NAME	PARCEL ADDRESS	PARCEL CITY	STATE
151	SUSAN ENGWALL	348 EAST HILL ROAD	CANTON	CT
156	MARIANNE BURBANK	84 NORTH MOUNTAIN ROAD	CANTON	CT
160	ROBERT V& THERESA M CORKUM	78 NORTH MOUNTAIN ROAD	CANTON	CT



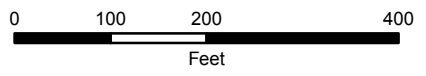
INDEX MAP





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1256 Line
Structure Replacement Project
07/20/2018
Sub-Petition Map Set

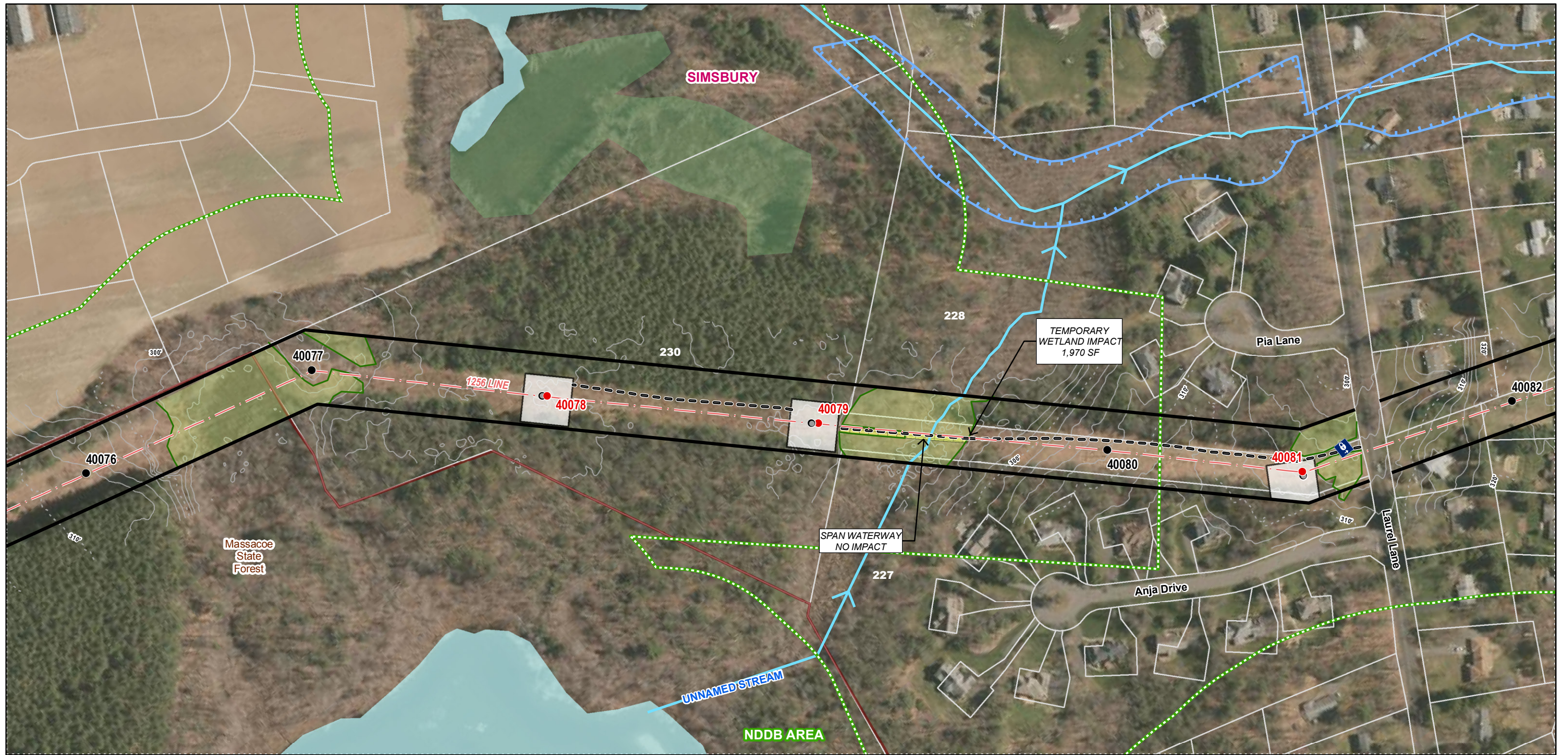
Canton, CT

Map Sheet 5 - 6

*Note: Legend items may not appear on each map sheet

Mapsheet 6 OF 6
1256 Line Structure Replacement Project
Sub-Petition Abutters List

LINE LIST NO.	OWNER NAME	PARCEL ADDRESS	PARCEL CITY	STATE
227	GREAT POND WOODS ASSOCIATION INC.	ANJA DRIVE COMMON AREA	SIMSBURY	CT
228	GREAT POND WOODS ASSOCIATION INC.	PIA LANE COMMON AREA	SIMSBURY	CT
230	TOWN OF SIMSBURY	LAUREL LANE	SIMSBURY	CT



INDEX MAP



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0 100 200 400
Feet

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**1256 Line
Structure Replacement Project
07/20/2018
Sub-Petition Map Set**

Simsbury, CT

Map Sheet 6 - 6

*Note: Legend items may not appear on each map sheet

ATTACHMENT D
ABUTTER LETTER AND
PROOF OF NOTICE

July 23, 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 Canton and Simsbury. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-CS-01 later this week to the Connecticut Siting Council (CSC) for its review and approval.

About This Electric System Improvement: What You Can Expect

First, we want you to know that this work will not interrupt electric service to your property.

As part of this project, we are proposing to replace, and slightly increase the height of the existing wood structures. The new, weathering steel structures will increase in height by 9 feet or less, depending on the location.

We are proposing to do the work within the existing rights of way on or near your property. The new structures will provide continued reliability of the transmission system.

Connecticut Siting Council Process and Timing

With this letter, Eversource is providing notice to you of its proposed work activity, as described in the enclosed Sub-Petition. If you have any comments or concerns about the project, please send them to the CSC at the following address within 30 days of the date of this letter: Melanie Bachman, Acting Executive Director; Connecticut Siting Council; Ten Franklin Square; New Britain, CT 06051. You may also email them to the siting.council@ct.gov. If you choose to send comments to the CSC, please reference Sub-Petition No. 1293-CS-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. 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 July 23, 2018, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-CS-01 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipalities listed below and 8 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 Canton
Attn: The Honorable Leslee Hill, First Selectman
Canton Town Hall
PO Box 168
Collinsville, CT 06022

Town of Simsbury
Attn: Maria Capriola, Town Manager
Simsbury Town Hall
933 Hopmeadow Street
Simsbury, CT 06070



James L. Smith
Project Siting Specialist

On this the 23 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:



CYNTHIA A. ARTHUR
NOTARY PUBLIC
STATE OF CONNECTICUT
MY COMM. EXP.09-30-2018