



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

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

October 19, 2020

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

Re: Sub-Petition No. 1293-NM-04

Dear Attorney Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-NM-04 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Ledyard and Groton, Connecticut. The work includes replacing seven existing wood transmission structures with new weathering steel transmission structures.

Eversource notified the officials of the municipalities of Newtown and Monroe 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". The signature is fluid and cursive, with a long, sweeping underline.

Enclosures

Attachments:
Exhibit A: Sub-Petition
Exhibit B: Photographs and Cross Sections
Exhibit C: Maps
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 ELECTRICAL SAFETY CODE CLEARANCE
REQUIREMENTS

Towns: Newtown and Monroe

Sub-Petition 1293-NM-04

Project: 1232 Transmission Line Structure Replacement Project

Structure Locations: Seven Transmission Line Structures located in Newtown and Monroe, 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 1232 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 1232 Line between Sandy Hook Substation in Newtown and a location just north of Roosevelt Drive in Monroe. The 1232 Line, in its entirety, is a 115-kilovolt line that extends from Sandy Hook Substation to Stevenson Substation in Monroe. Of the structures that will be replaced, seven structures require an increase in structure height to comply with current clearance requirements. These seven structures to be replaced are a mix of wood H-frame and three-pole structures.

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

- Replace seven existing wood structures with new weathering steel structures. With the exception of Structure 1631A, which would change from a wood H-Frame structure to a steel monopole structure, each replacement structure will be of the same design as its corresponding existing structure. With the conversion of Structure 1631A to a monopole, Structure 1631B, which is a three-pole tap structure, will no longer be needed and the structure will be removed.

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 right-of-way ("ROW") utilizing existing and proposed new permanent access roads, as well as some temporary 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) Collectively, utilizing existing and temporary access roads, the Work Activities would result in approximately 4,904 square feet ("SF") of temporary wetland impacts from the temporary use of matting required for the construction of work pads for two structures as follows:

Wetland Number	Structure Number	Construction Work Pads Temporary Impacts (SF)	Access Roads Temporary Impacts (SF)
W-1	1627	±3,503	0
W-2	1627	±916	0
W-8	1623	±485	0
<i>Subtotals:</i>		±4,904	0
TOTAL:		±4,904	

There would be no permanent impacts to wetland resources. 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 vernal pools or vernal pool envelopes are located in proximity to the proposed Work Areas.
- d) Based on review of the Connecticut Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Database ("NDDB"), no Work Areas are proposed within a NDDB buffered area and wetland jurisdictional area and/or CTDEEP owned/managed land. Therefore, the Work Areas would not be subject to an NDDB 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 may need to undertake tree trimming and/or vegetation removal/mowing within the Work Areas for conductor clearance and/or to improve access to portions of the Work Areas.
- f) A Phase 1A assessment review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office conducted by Heritage Consultants, LLC ("Heritage") did not identify any National or State Register of Historic Places properties/districts within 500 feet of the Work Areas. The Phase IA revealed one previously identified archeological site in proximity to the Work Area associated with Structure 1606. The boundary extent of the site is undetermined and a Pedestrian Survey was recommended by Heritage. The Pedestrian Survey revealed that the Work Area at Structure 1606 exhibits the potential for moderate to high archeological sensitivity and a Phase IB was further recommended by Heritage. The Phase IB assessment resulted in the identification of a cultural resource and Heritage recommended Phase II National Register testing

and evaluation. The results of the Phase IB and Phase II indicates that the cultural resource at this location is significant under Criteria D of the National Register of Historic places criteria for evaluation. Therefore, it was recommended by Heritage and accepted by Eversource, to use timber matting for the work pad at Structure 1606. With the use of protective matting no impacts to this cultural resource is anticipated as a result of the proposed Work Activities. Based on a review of historic maps, aerial photographs, and available soil profiles, the remaining Work Areas were identified to possess no to low archaeological sensitivity and Heritage recommended no further examination at these locations.

- g) Increases in the heights of the seven replacement structures will vary from 4.5 feet to 13.5 feet to comply with current clearance requirements. The average structure height increase will be 9 feet.
- h) Work Activities associated with Structures 1617 and 1614 are located partially within the mapped 100-year flood zone associated with Halfway River. Eversource would utilize its BMPs to minimize any impacts to the flood zone by utilizing temporary construction matting and/or by not placing any fill that would increase the elevations of the existing or proposed road surfaces or work pads to ensure that the floodplain hydrology would not be adversely affected. With these protective measures and the use of the BMPs, no adverse impact to the 100-year flood zone would result from the proposed Work Activities.
- i) No change in noise levels would result from the installation of the new structures and the applicable line 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.
- Potential impacts to wetlands and watercourses will be mitigated with the use of temporary construction matting and adherence to the BMPs.
- Potential impacts to the 100-year flood zone will be avoided with adherence to the BMPs and the use of temporary construction matting.
- Eversource's contractor will 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 roads.
- Upon completion of the Work Activities, all disturbed/exposed areas will 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:

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

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

Newtown

- Great Ring Road for Structures 1631A, 1631B and 1631
- Grace Moore Road for Structure 1627
- Bradley Lane for Structure 1623

Monroe

- Old Station Road for Structures 1617 and 1614
- Roosevelt Drive for Structure 1606

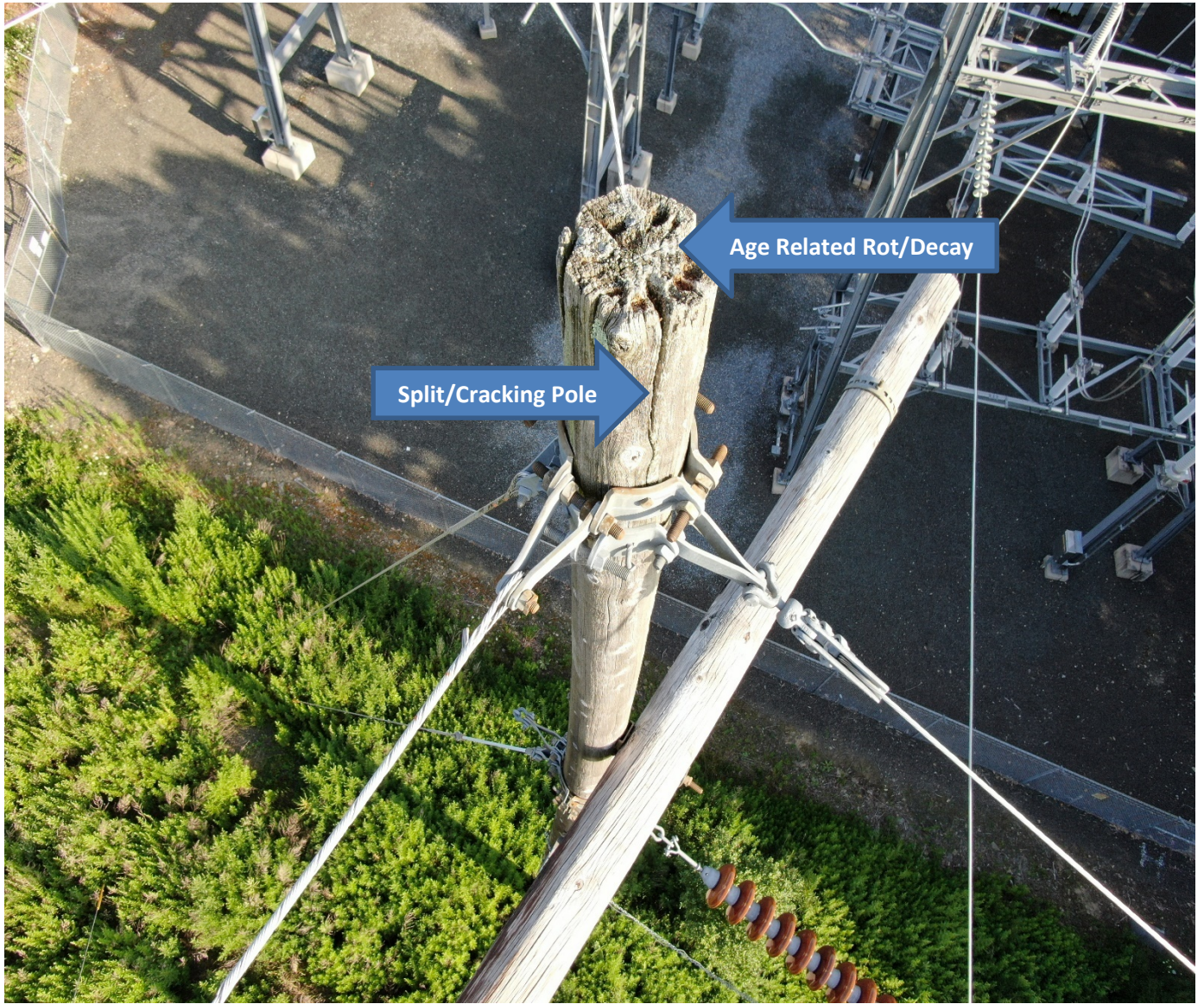
By:



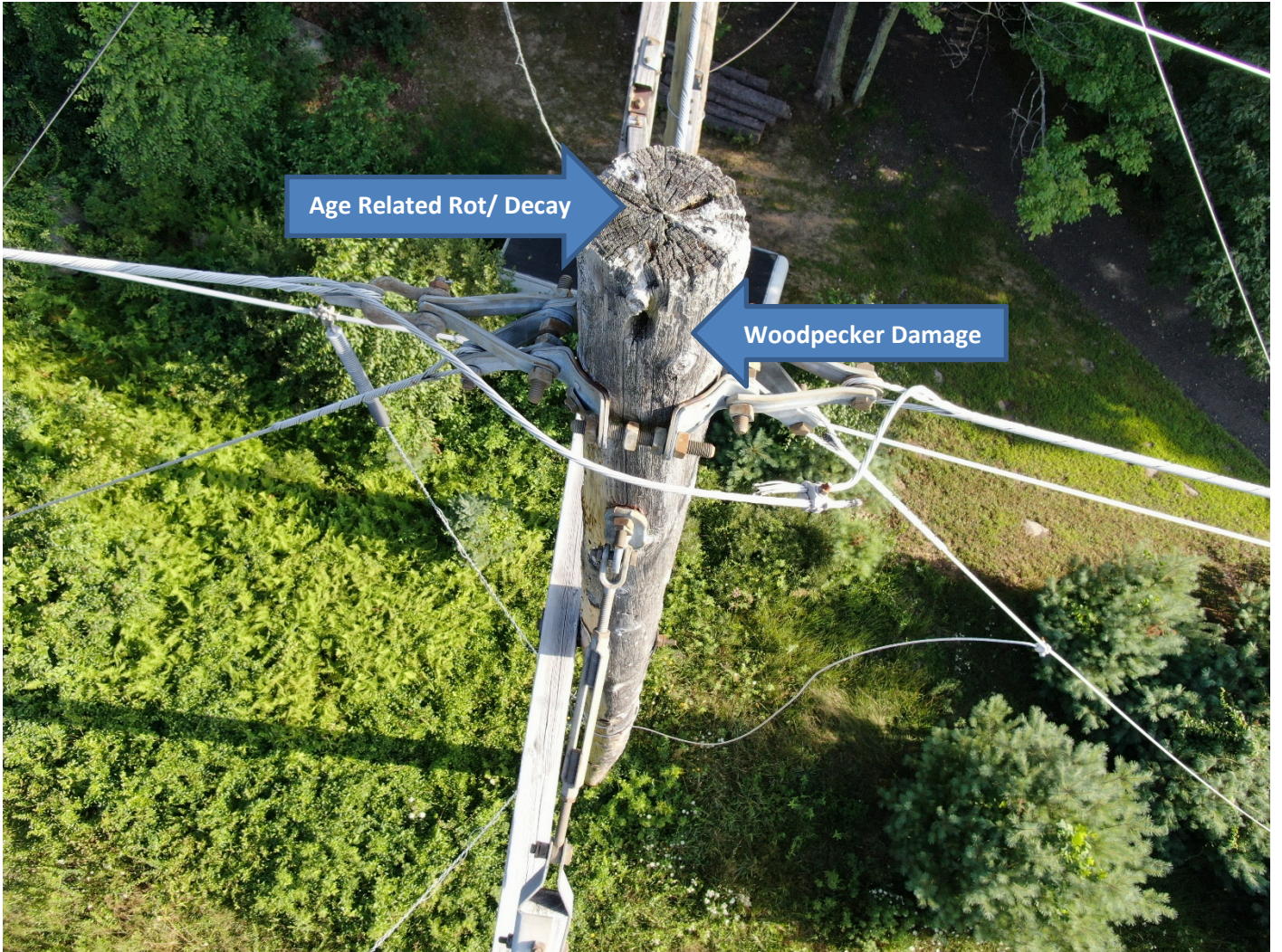
Kathleen M. Shanley
Manager - Transmission Siting

ATTACHMENT B
PHOTOGRAPHS
AND
CROSS SECTION

Structure #1631A



Structure #1631



Structure #1627



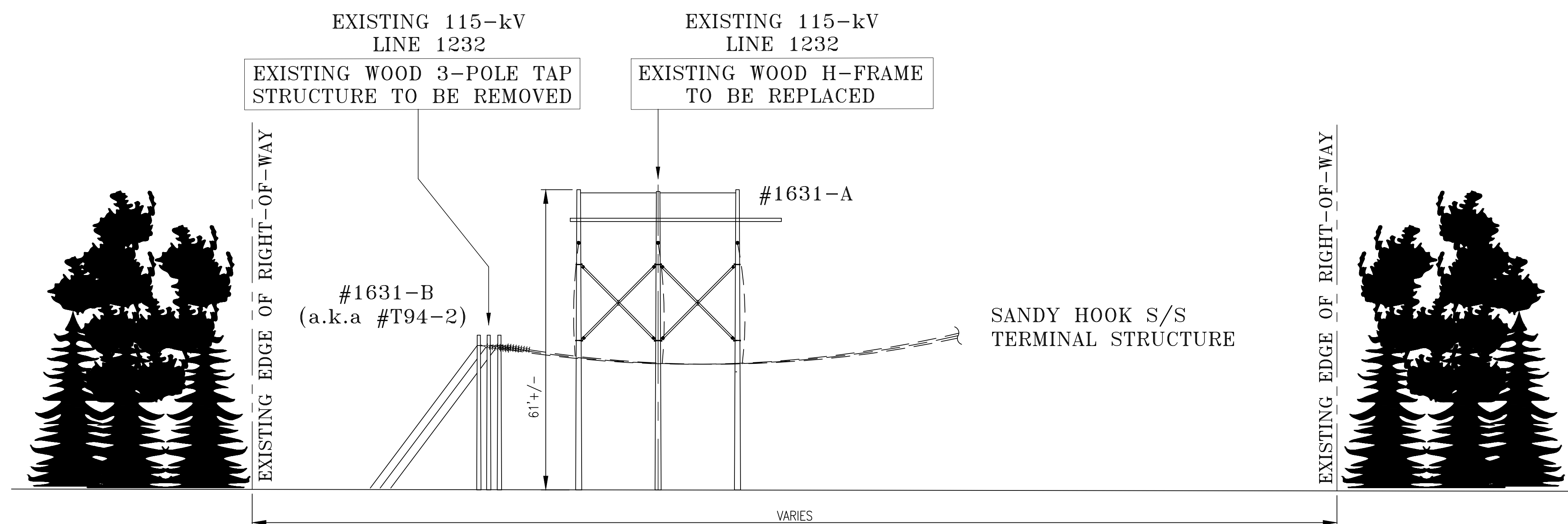
Age Related Rot/Decay

Split/Cracking Pole

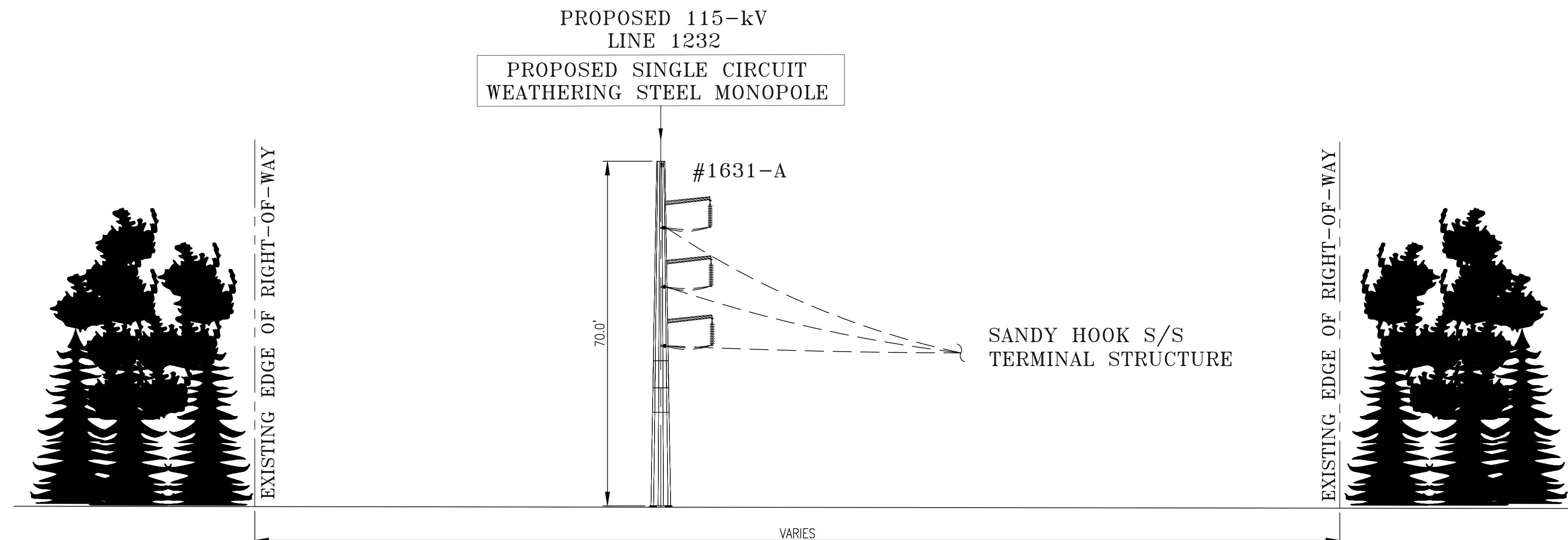
Woodpecker Damage

Structure #1606





**EXISTING R.O.W. CONFIGURATION
 SINGLE CIRCUIT WOOD H-FRAME STRUCTURE #1631-A
 AND SINGLE CIRCUIT WOOD 3-POLE TAP STRUCTURE #1631-B (a.k.a. #T94-2)
 LOOKING FROM STEVENSON SUBSTATION TO SANDY HOOK SUBSTATION
 IN THE TOWN OF NEWTOWN, CT**



**PROPOSED R.O.W. CONFIGURATION
 SINGLE CIRCUIT WEATHERING STEEL MONOPOLE #1631-A
 LOOKING FROM STEVENSON SUBSTATION TO SANDY HOOK SUBSTATION
 IN THE TOWN OF NEWTOWN, CT**

XS-1

EVERSOURCE ENERGY			
TITLE: STEVENSON SUBSTATION - SANDY HOOK SUBSTATION 115-kV TRANSMISSION LINE RIGHT OF WAY CROSS SECTION NEWTOWN, CT			
BY: JRA	CHKD:	APP:	APP:
DATE: 10/9/2020	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. 01197-85003p001		

10/9/2020 12:51 PM - jantoszewski - C:\Power\Projects\606_Eversource\2020\60620-0008_Line 1232_Stevenon SS to Sandy Hook SS_OPGW_ACR\5 - ROW Cross Section Drawings\01197-85003p001.dwg - XS-1

ES VER. 05/2015

ATTACHMENT C

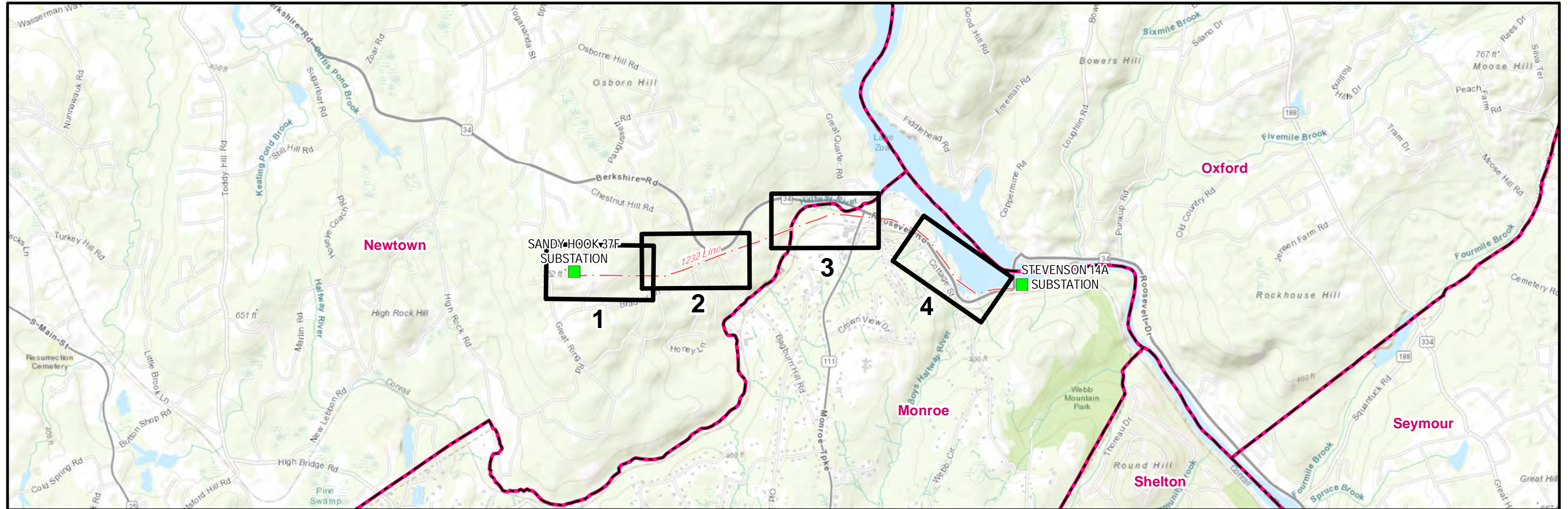
MAPS

1232 Line - Structure Replacement Project

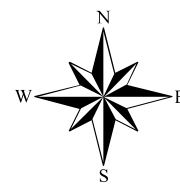
Newtown & Monroe, Connecticut

Sub-Petition Map Set

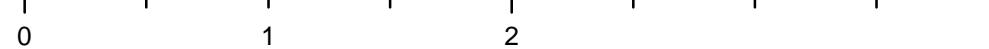
October 8, 2020



— Municipal Boundary ■ Substation □ Map Sheet - - - Overhead Eversource Line



Miles



PREPARED BY:



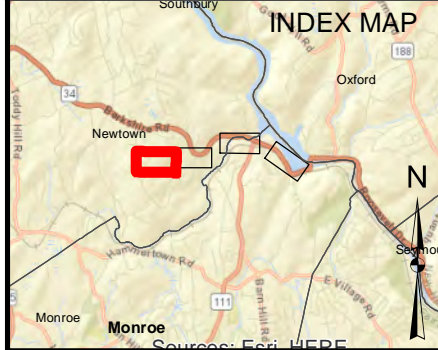
107 Seldon Street
Berlin, Connecticut 06037

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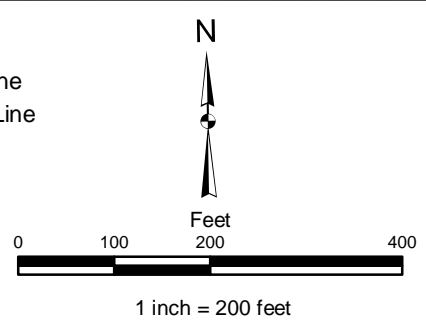
Map Sheet 1 of 4
1232 Line-Structure Replacement Project
Abutters List

LINE LIST NO.	OWNER FIRST NAME	OWNER LAST NAME	PARCEL ADDRESS	PARCEL TOWN	STATE
155	CONN LIGHT & POWER CO		13 FARMERY LANE	NEWTOWN	CT
157	GERALD JR & DIANE	ALENA	7 GRACE MOORE ROAD	NEWTOWN	CT
158	CHRISTOPHER	HAGGERTY	9 GRACE MOORE ROAD	NEWTOWN	CT
167	MARIO L JR EST OF	DELVECCHIO	38 CHESTNUT HILL ROAD	NEWTOWN	CT
168	SUZANNE K	GUIDERA	24 BRADLEY LANE	NEWTOWN	CT
169	MICHAEL & JOANNE	GENOVESE	22 BRADLEY LANE	NEWTOWN	CT



LEGEND

- Existing Structure To Be Removed
- Existing Structure
- Proposed Structure
- Proposed Alternate Access
- Proposed Access
- Existing Access
- Stone Work Pad
- ▨ Temporary Constuction Matting
- Delineated Wetland Boundary Outline
- Field Delineated Wetland
- Open Water
- Delineated Intermittent Watercourse
- Delineated Perennial Watercourse
- Rare Species (06/2020)
- Overhead Eversource Line
- Eversource Gas Pipeline (Approx)
- Culvert
- ▨ Floodway
- ▨ FEMA 100-year Floodzone
- Existing Right of Way
- ▨ Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- 100 LLNs/Property Owner
- Map Sheet Matchline
- Stonewall
- Gate
- 2' Contour Line
- 10' Contour Line



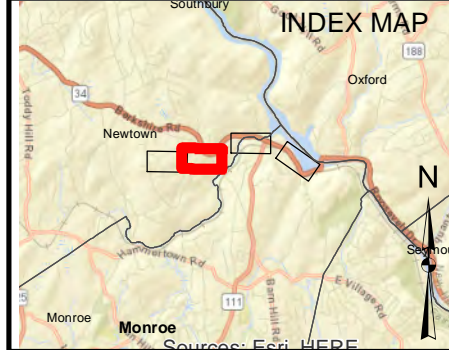
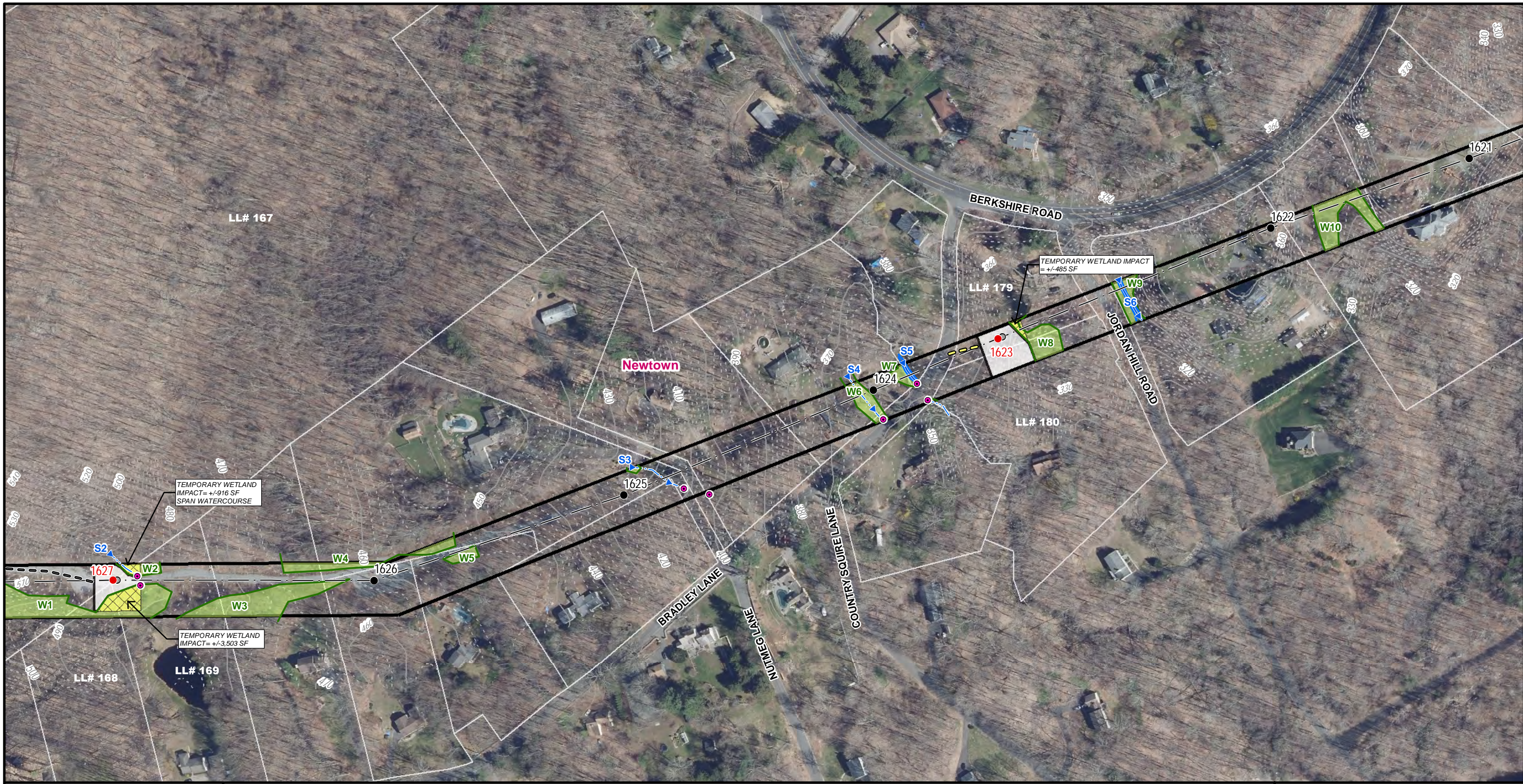
1232 Line - Structure Replacement Project

Newtown, Connecticut
Date: 10/08/2020

Map Sheet 1 of 4

Map Sheet 2 of 4
1232 Line-Structure Replacement Project
Abutters List

LINE LIST NO.	OWNER FIRST NAME	OWNER LAST NAME	PARCEL ADDRESS	PARCEL TOWN	STATE
167	MARIO L JR EST OF	DELVECCHIO	38 CHESTNUT HILL ROAD	NEWTOWN	CT
168	SUZANNE K	GUIDERA	24 BRADLEY LANE	NEWTOWN	CT
169	MICHAEL & JOANNE	GENOVESE	22 BRADLEY LANE	NEWTOWN	CT
179	C R SPENCER ASSOCIATES LTD PRTSHP		2 JORDAN HILL ROAD	NEWTOWN	CT
180	JOSEPH & DONNA	YERUC	1 BRADLEY LANE	NEWTOWN	CT



LEGEND	
● Existing Structure To Be Removed	— Delineated Wetland Boundary Outline
● Existing Structure	■ Field Delineated Wetland
● Proposed Structure	■ Open Water
○ Proposed Alternate Access	— Delineated Intermittent Watercourse
○ Proposed Access	— Delineated Perennial Watercourse
○ Existing Access	■ Rare Species (06/2020)
□ Stone Work Pad	— Overhead Eversource Line
■ Temporary Constuction Matting	— Eversource Gas Pipeline (Approx)
■ Floodway	■ Culvert
■ FEMA 100-year Floodzone	— Municipal Boundary
— Existing Right of Way	— LLNs/Property Owner
— Eversource Owned Property	— Map Sheet Matchline
— Parcel Boundary	— Stonewall
■ Gate	— 2' Contour Line
— 10' Contour Line	

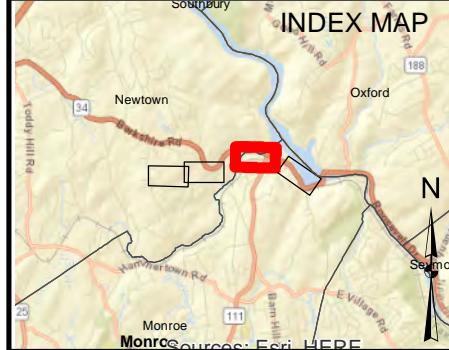
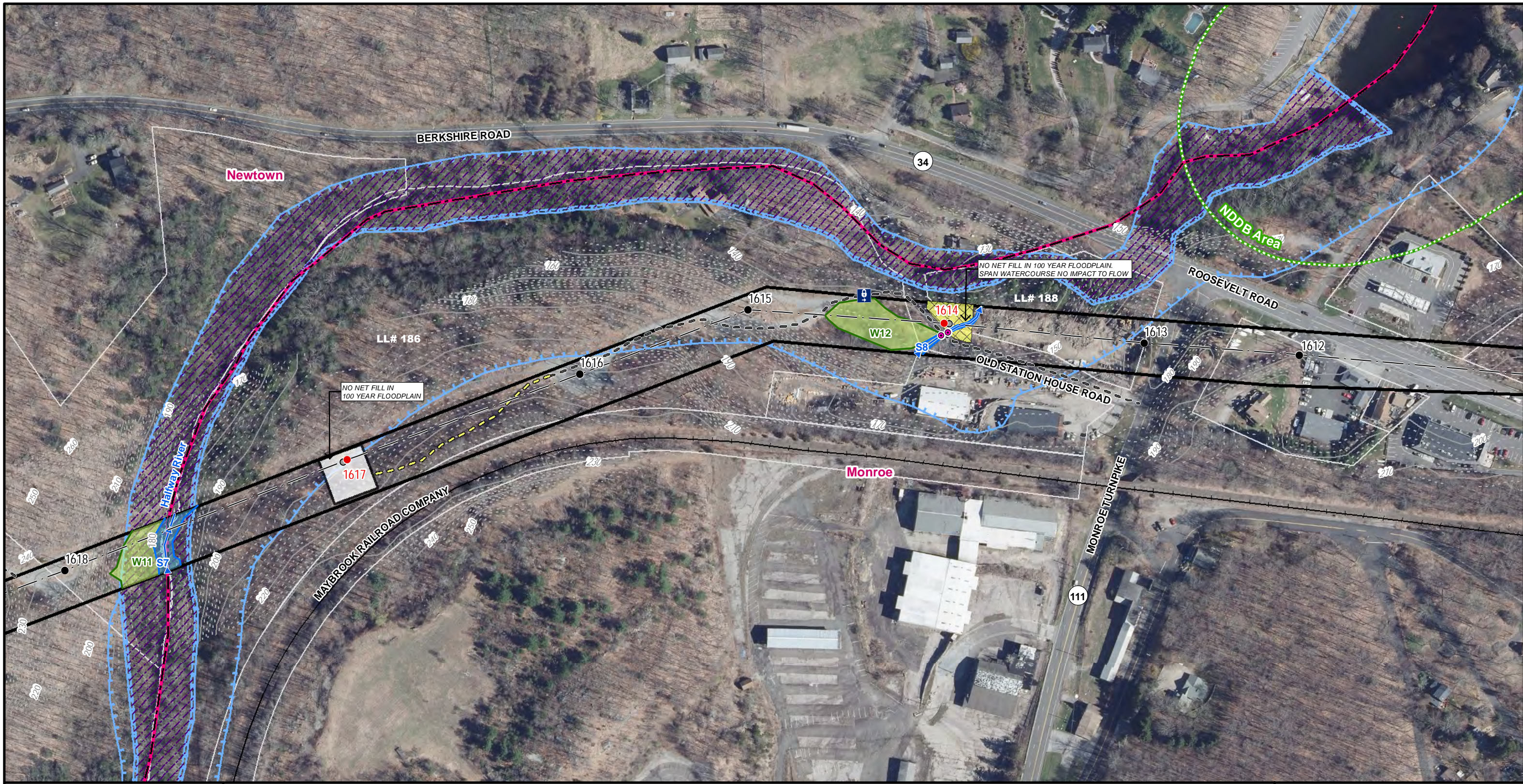
EVERSOURCE ENERGY
 107 Seldon Street
 Berlin, Connecticut 06037

1232 Line - Structure Replacement Project
 Newtown, Connecticut
 Date: 10/08/2020

Map Sheet 2 of 4

Map Sheet 3 of 4
1232 Line-Structure Replacement Project
Abutters List

LINE LIST NO.	OWNER FIRST NAME	OWNER LAST NAME	PARCEL ADDRESS	PARCEL TOWN	STATE
186	GERALYN S + WILLIAM O	WILEY	1609 MONROE TPKE	MONROE	CT
188	BRUCE	MONDO	1615 MONROE TPKE	MONROE	CT



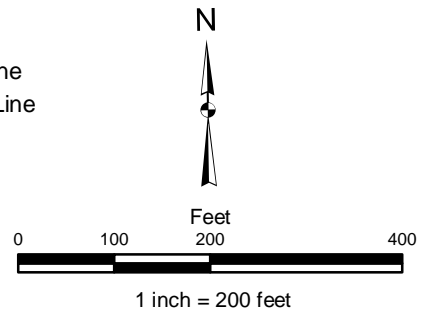
LEGEND

- Existing Structure To Be Removed
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- Proposed Alternate Access
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- Existing Access
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- Parcel Boundary
- Municipal Boundary
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- Stonewall

- Gate
- 2' Contour Line
- 10' Contour Line

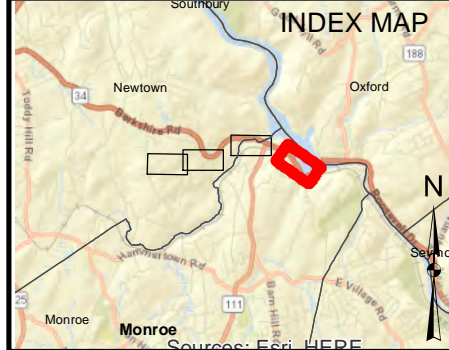


EVERSOURCE ENERGY
 107 Seldon Street
 Berlin, Connecticut 06037

1232 Line - Structure Replacement Project
 Newtown & Monroe, Connecticut
 Date: 10/08/2020
 Map Sheet 3 of 4

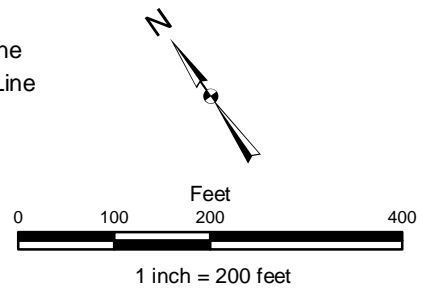
Map Sheet 4 of 4
1232 Line-Structure Replacement Project
Abutters List

LINE LIST NO.	OWNER FIRST NAME	OWNER LAST NAME	PARCEL ADDRESS	PARCEL TOWN	STATE
194	FIRSTLIGHT CT HOUSATONIC LLC		18 ROOSEVELT DR	MONROE	CT



LEGEND

<ul style="list-style-type: none"> ● Existing Structure To Be Removed ● Existing Structure ● Proposed Structure ○ Proposed Alternate Access ○ Proposed Access --- Existing Access □ Stone Work Pad ▨ Temporary Constuction Matting 	<ul style="list-style-type: none"> — Delineated Wetland Boundary Outline ■ Field Delineated Wetland ■ Open Water → Delineated Intermittent Watercourse → Delineated Perennial Watercourse □ Rare Species (06/2020) --- Overhead Eversource Line — Eversource Gas Pipeline (Approx) ● Culvert 	<ul style="list-style-type: none"> ▨ Floodway ■ FEMA 100-year Floodzone — Existing Right of Way □ Eversource Owned Property — Parcel Boundary — Municipal Boundary 100 LLNs/Property Owner --- Map Sheet Matchline ○ Stonewall 	<ul style="list-style-type: none"> ■ Gate --- 2' Contour Line — 10' Contour Line
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EVERSOURCE ENERGY
 107 Seldon Street
 Berlin, Connecticut 06037

1232 Line - Structure Replacement Project
 Monroe, Connecticut
 Date: 10/08/2020

Map Sheet 4 of 4

ATTACHMENT D
ABUTTER LETTER AND
PROOF OF NOTICE

October 19, 2020

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 Newtown and Monroe. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-NM-04 this week to the Connecticut Siting Council (CSC) for its review.

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 damaged structures due to structure age, weather, and/or woodpecker activity. The height of the existing structures will increase, as necessary, to comply with current clearance requirements. The new structures will provide continued reliability of the transmission system.

The safety of our employees, our customers, and the public is our top priority during the ongoing coronavirus public health crisis. Our commitment to safety, first and always, is continuous.

At the same time, Eversource must fulfill its foundational mission to deliver safe, reliable services to our customers. We continue to call on our employees and contractors to perform essential work, such as this proposed project, that maintains and improves the reliability of our networks, while also adapting our work practices to incorporate social distancing, heightened hygiene, and other best practices to protect their, and the public's, health.

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-NM-04 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 ProjectInfo@eversource.com. Thank you.

Sincerely,

Jared Kupiec

Jared Kupiec
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 October 19, 2020, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-NM-04 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:

Town of Newtown
Daniel C. Rosenthal, First Selectman
3 Primrose Street
Newtown, CT 06470

Town of Monroe
Kenneth Kellogg, First Selectman
7 Fan Hill Road
Monroe, CT 06468



James L. Smith
Project Siting Specialist

On this the 19th day of October, 2020, 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.



Signature

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