

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

Kathleen M. Shanley

Manager – Transmission Siting Tel: (860) 728-4527

January 30, 2019

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

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

Dear Ms. Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No. 1293-MM-01 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Middlefield and Middletown, Connecticut. The work includes replacing 13 existing wooden transmission structures with new weathering steel transmission structures.

Eversource notified the officials of the municipalities of Middlefield and Middletown 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 D: Abutter Letter and Proof of Notice

# ATTACHMENT A SUB-PETITION

#### THE CONNECTICUT LIGHT AND POWER COMPANY doing business as <u>EVERSOURCE ENERGY</u>

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: Middlefield & Middletown Sub-Petition No. 1293-MM-01

Project: 362 Transmission Line Structure Replacement Project

Structure Locations: 13 Transmission Structures located in Middlefield 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. <u>Description of Transmission Work Activities:</u>

Eversource's 362 Transmission Line Structure Replacement Project in Connecticut 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 362 Line between Baileyville Road in Middlefield and East Mount Road in Middletown. The 362 Line, in its entirety, is a 345-kV transmission line that extends from Besek Substation in Wallingford, to Haddam Neck Substation in Haddam. Of these replacements, 13 structures require a slight increase in structure height to comply with current clearance requirements. The 13 structures to be replaced are a mix of wood H-frame and monopole structures.

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

 Replace 13 existing wood structures with new weathering steel structures. Each replacement structure will be of the same design as its corresponding existing structure, though slightly taller (10 feet or less) than the existing structures. The replacement structures will be installed within 15 feet of the existing structure locations.

#### 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 and proposed new permanent access roads, as well as some temporary access roads (collectively the "Work Areas"). Some of the existing access roads will be improved. Eversource can access the structure locations utilizing its existing rights but is currently working with private landowners to obtain rights to utilize alternative off-ROW access routes that would minimize the amount of proposed temporary access roads that would need to be installed within the ROW. In some areas, alternative off-ROW access routes would lessen the impact to wetlands and/or residential/agricultural areas.
- b) Work Activities would result in ±24,533 square feet ("SF") of temporary wetland impacts, limited to temporary construction matting required for the construction of work pads for Structures 23066, 23048 and 23047 and the access roads to Structures 23050 and 23047. See table below for temporary wetland impact details.

Structure Number	Construction Work Pads Temporary Wetland Impacts (SF)	Access Roads Temporary Wetland Impacts (SF)
23066	±4,535	0
23050	0	±883
23048	±4,550	0
23047	±9,350	±5,215
Subtotals:	±18,435	±6,098
TOTAL:	±24,	533

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 vernal pools are located in proximity to the 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"), no Work Areas are proposed within a NDDB buffered area and wetland jurisdictional area and/or CTDEEP owned/managed land; therefore, they would not be subject to a 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. Consequently, no adverse impact to rare species will result from activities proposed in the Work Areas.
- e) The Work Activities 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 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 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, four of the proposed work pad locations

were identified to possess a potential for moderate to high archaeological sensitivity. These locations, as well as two nearby access roads, were evaluated in the field with a pedestrian survey by a representative from Heritage. Three of the project locations were reclassified as no/low sensitivity areas because they were found to contain steep slopes, wet soils, or have been previously disturbed. Therefore, no further cultural investigation is recommended or warranted, and no protective measures are required for those three project locations. A Phase 1B cultural reconnaissance survey (shovel pit testing) was conducted at the remaining three locations. No physical evidence of archaeological significance was identified. Therefore, no further cultural investigation is warranted, and no protective measures are required.

- g) Increased heights of the 13 replacement structures average approximately 6 feet and none will exceed 10 feet.
- h) Replacement structures would be located within 15 feet of existing structures.
- 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 the 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 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 watercourses will be mitigated with the use of temporary construction matting and adherence to the BMPs.
- 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 to 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 permanent access roads would be constructed to facilitate access to structures within the

ROW and existing access roads may be hardened and widened at turning areas to facilitate the safe passage of construction vehicles. Construction matting would be used on temporary access roads 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:

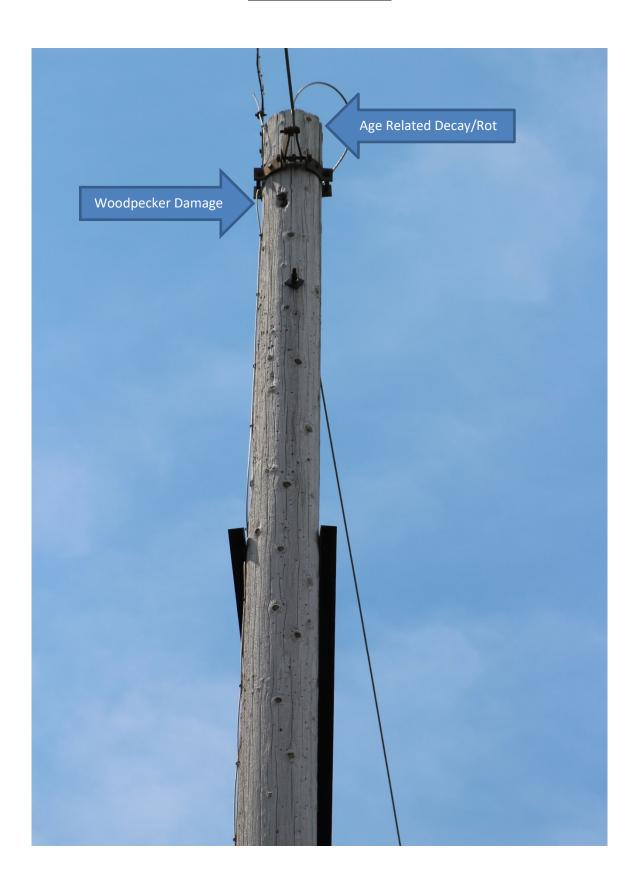
- William Street for structure 23072
- Jackson Hill Road for structure 23066
- Cider Mill Road for structures 23060 and 23059
- Cherry Hill Road for structure 23050 (off-ROW access from Brookside Drive would be used if rights are obtained)
- Laurel Brook Road for structures 23048 and 23047 (off-ROW access from an alternative location on Laurel Brook Road would be used for structure 23047 if rights are obtained)
- Arbutus Street for structures 23040 and 23037
- Margarite Road Extension for structure 23029
- Chamberlain Hill Road for structures 23025 and 23023
- East Mount Road for structure 23022

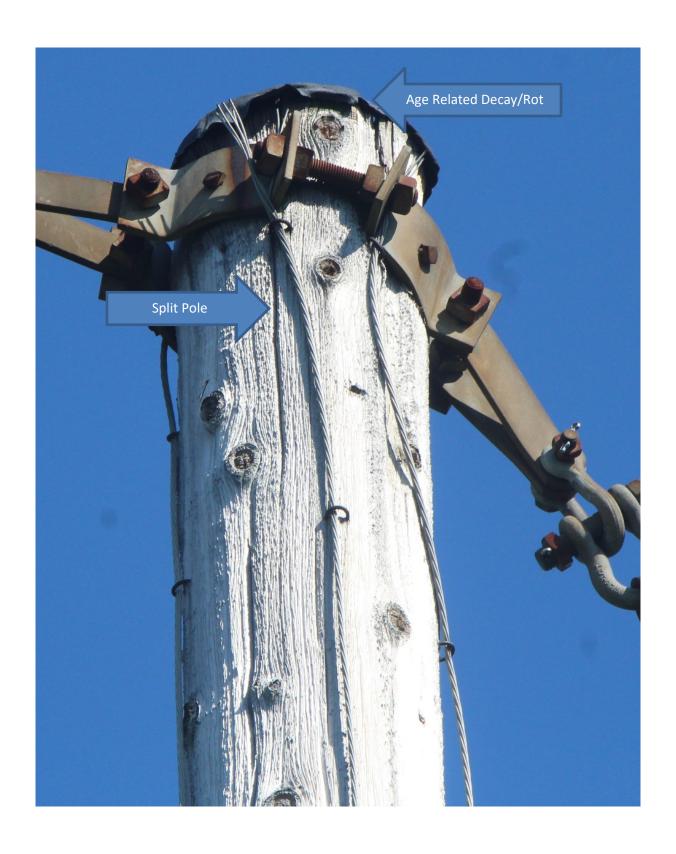
Ву:

Kathleen M. Shanley

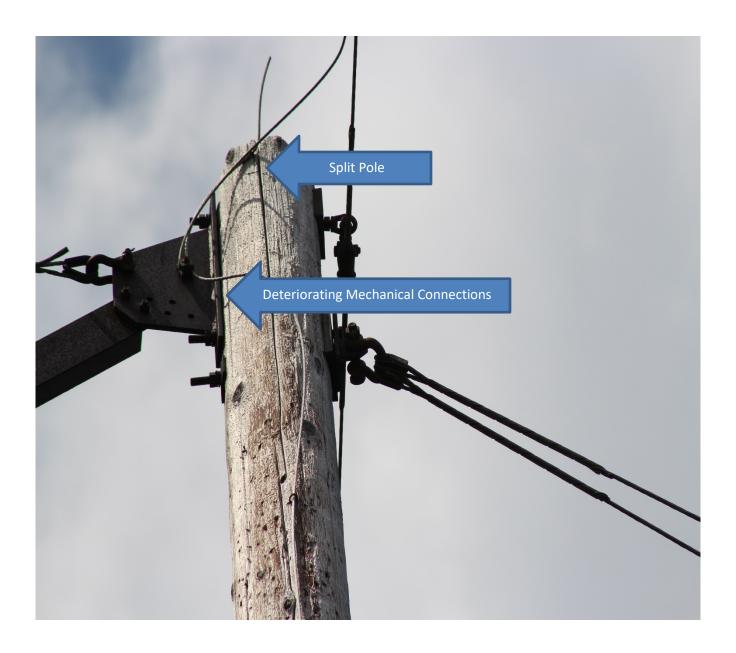
Manager - Transmission Siting

# ATTACHMENT B PHOTOGRAPHS AND PHOTO SIMULATION





















# ATTACHMENT C MAPS

#### **362 LINE STRUCTURE REPLACEMENT PROJECT**

Middlefield and Middletown, CT Sub-Petition Map Set

Revision # 1 Date: Wednesday, January 25, 2019 CHESTNUT JUNCTION HANS BROOK JUNCTION Middletown 8 Middlefield 5 DOOLEY SUBSTATION Haddam Durham Map Sheet — Overhead Eversource Line **Junctions** Substations **Municipal Boundary** □Miles 1.5 **PREPARED BY:** 0.25 0.5 2 **PREPARED FOR:** 

**EVERS=URCE** 

107 Selden Street Berlin, CT 06037

**INDEX OF FIGURES** 

TITLE SHEET / INDEX MAP MAP SHEETS 1-11 **ABUTTERS TABLES** 



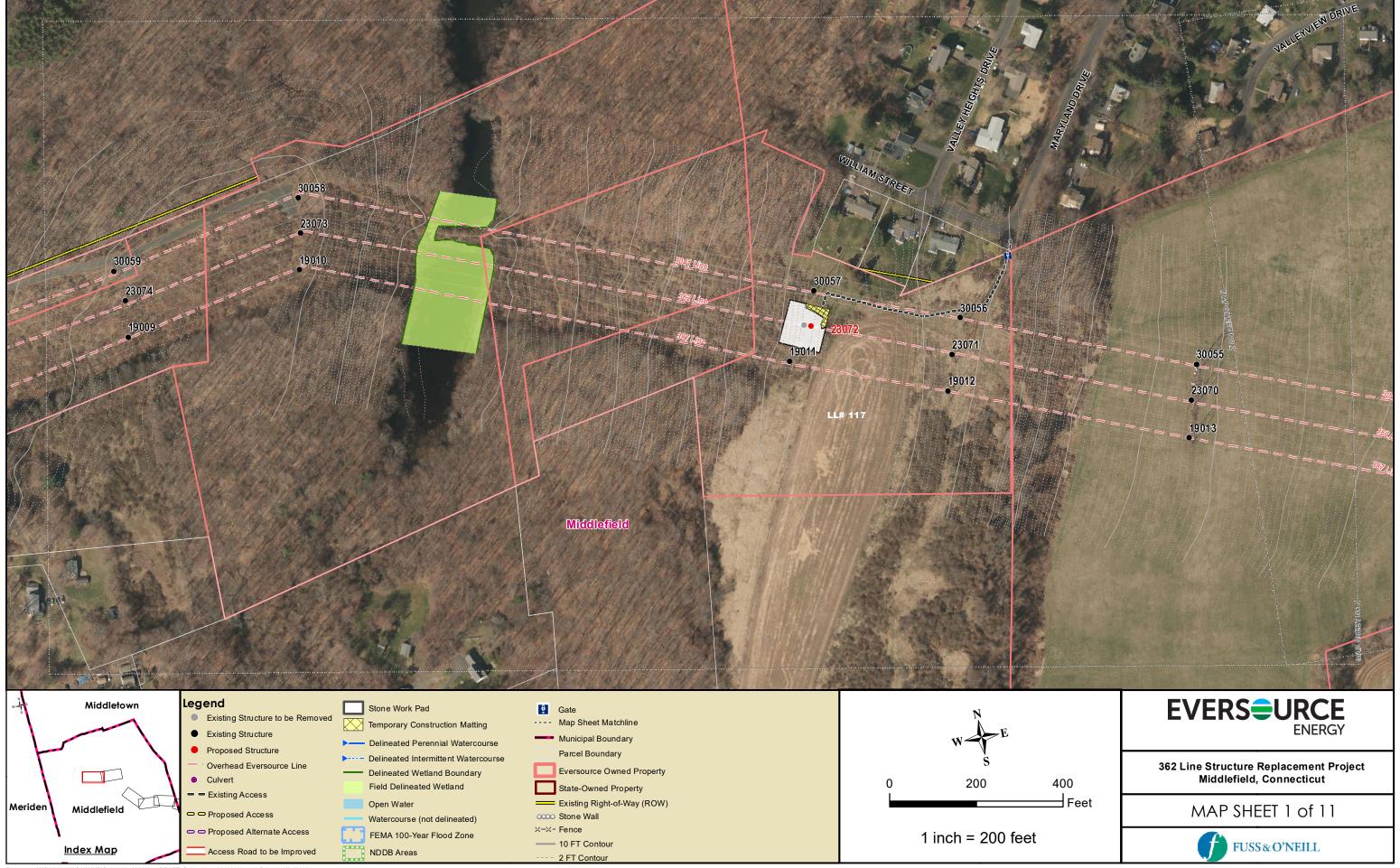


146 Hartford Road Manchester, CT 06040



#### 362 Line Structure Replacement Project Map Sheet 1 Abutters List

Line List Number	Owner First Name	Owner Last Name	Parcel Address	Parcel City	Parcel State	Parcel Zip Code
117	CONN LIGHT & POWER CO	N/A	WILLIAM ST	MIDDLEFIELD	СТ	06455





# 362 Line Structure Replacement Project Map Sheet 2 Abutters List

Line List Number	Owner First Name	Owner Last Name	Parcel Address	Parcel City	Parcel State	Parcel Zip Code
128	CONN LIGHT & POWER CO	N/A	JACKSON HILL RD	MIDDLEFIELD	CT	06455
130	CONN LIGHT & POWER CO	N/A	JACKSON HILL RD	MIDDLEFIELD	СТ	06455

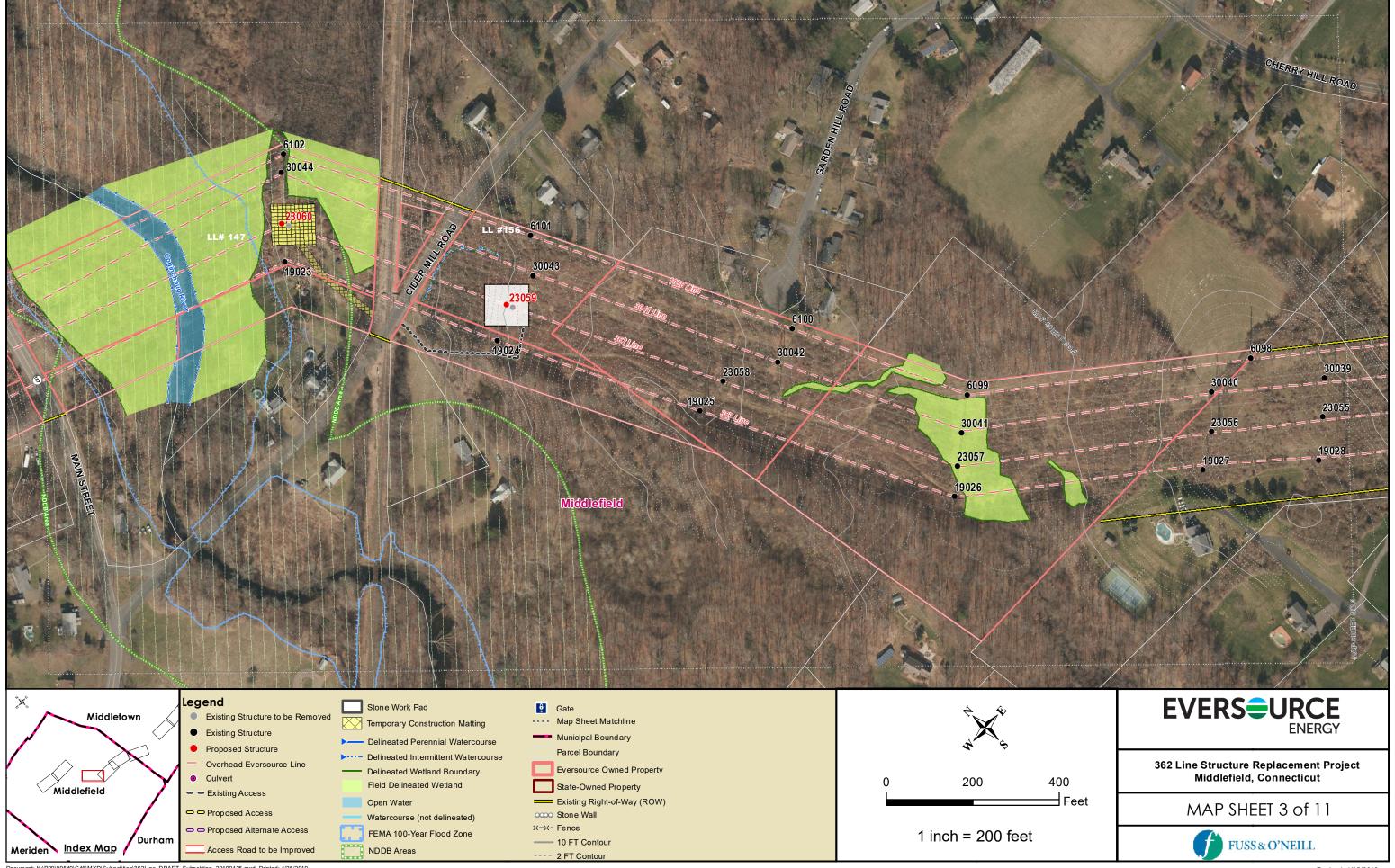


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# 362 Line Structure Replacement Project Map Sheet 3 Abutters List

Line List Number	Owner First Name	Owner Last Name	Parcel Address	Parcel City	Parcel State	Parcel Zip Code
147	CONN LIGHT & POWER CO	N/A	MAIN ST & RT 157	MIDDLEFIELD	СТ	06455
156	CONN LIGHT & POWER CO	N/A	CIDER MILL RD	MIDDLEFIELD	СТ	06455

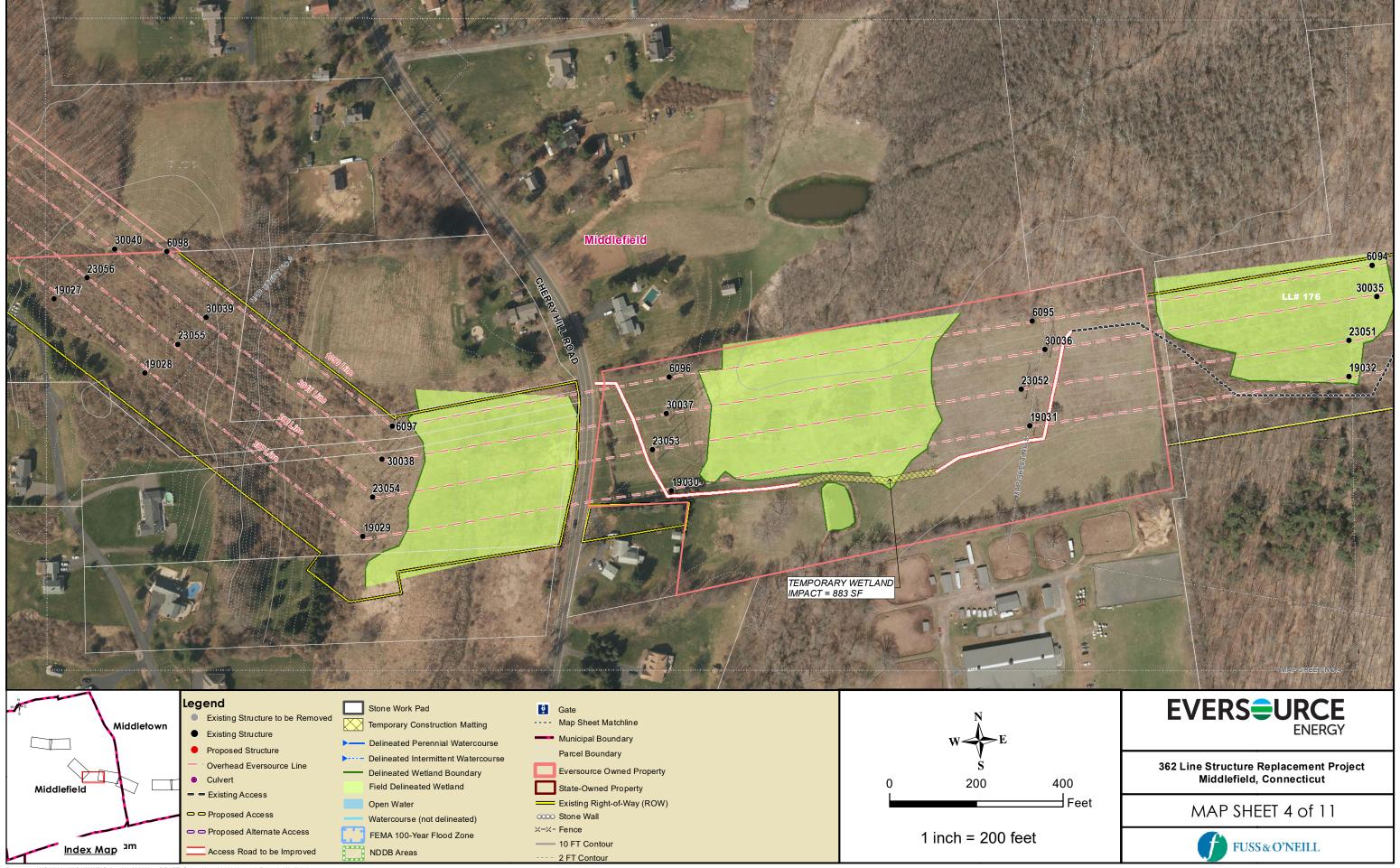


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# 362 Line Structure Replacement Project Map Sheet 4 Abutters List

Line List Number	Owner First Name	Owner Last Name	Parcel Address	Parcel City	Parcel State	Parcel Zip Code
176	ZYGO CORPORATION	N/A	LAUREL BROOK RD	MIDDLEFIELD	СТ	06455

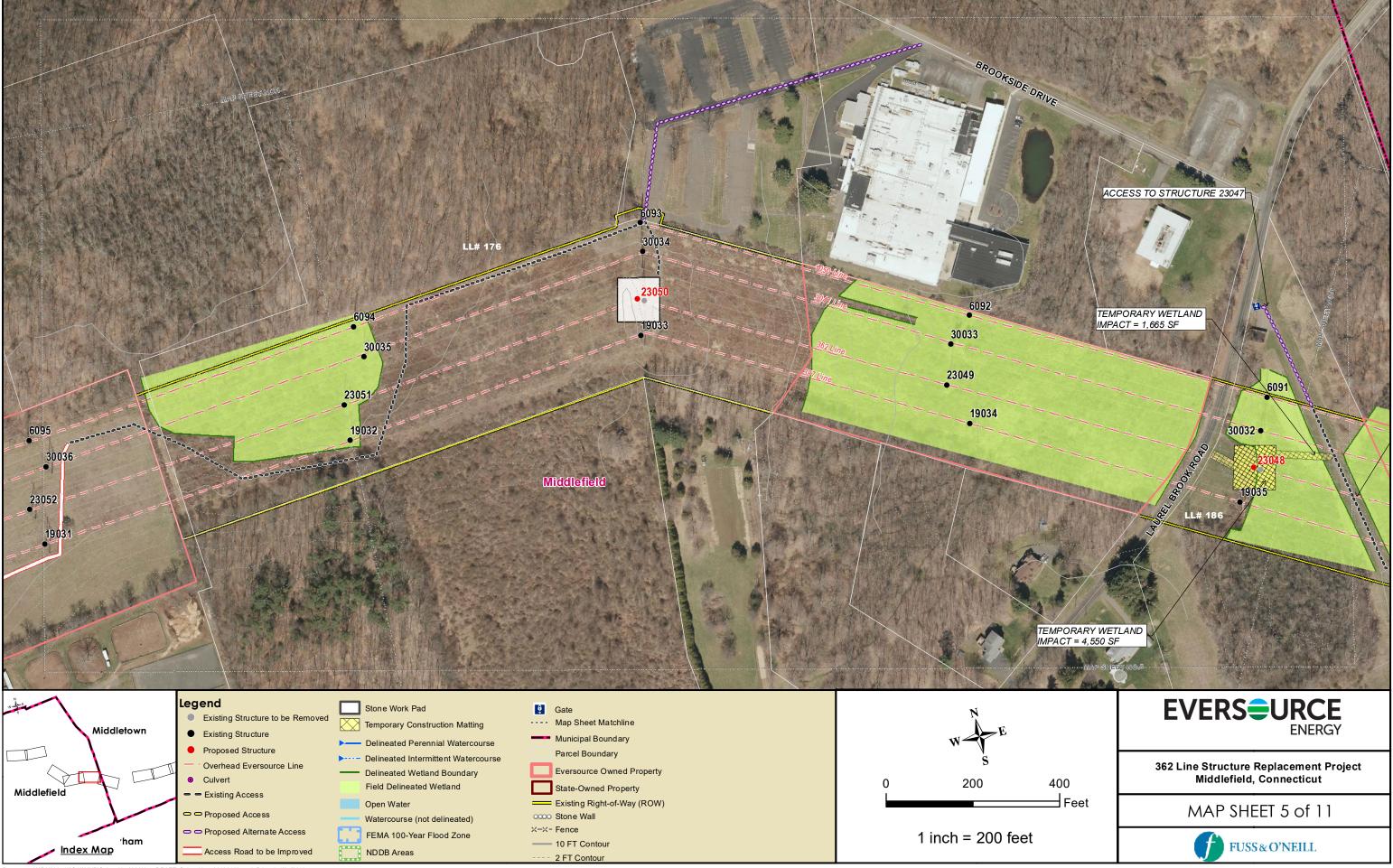


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# 362 Line Structure Replacement Project Map Sheet 5 Abutters List

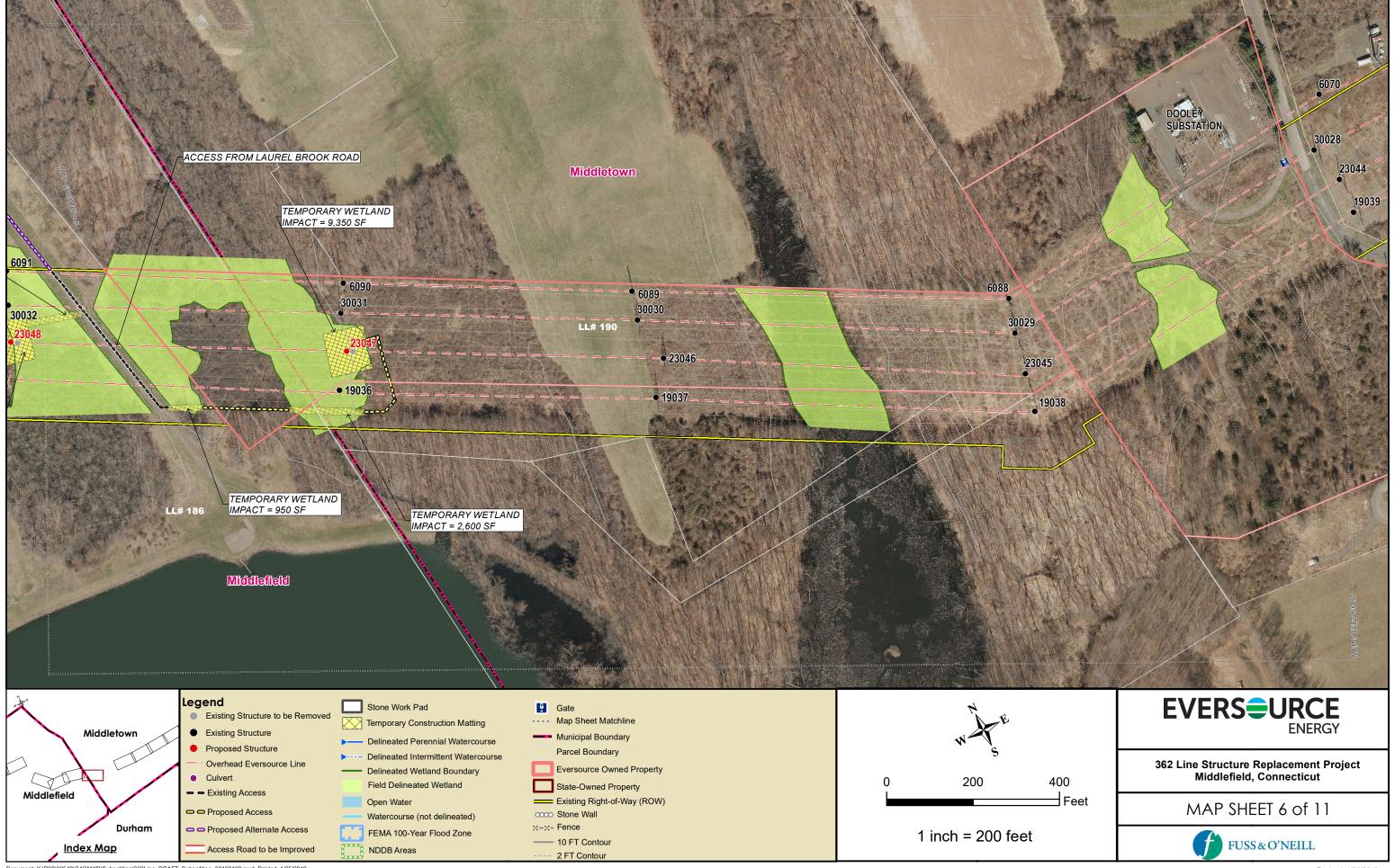
Line List Number	Owner First Name	Owner Last Name	Parcel Address	Parcel City	Parcel State	Parcel Zip Code
176	ZYGO CORPORATION	N/A	LAUREL BROOK RD	MIDDLEFIELD	СТ	06455
186	MIDDLETOWN WATER DEPT	N/A	Laurel Brook RD	MIDDLETOWN	СТ	06457





# 362 Line Structure Replacement Project Map Sheet 6 Abutters List

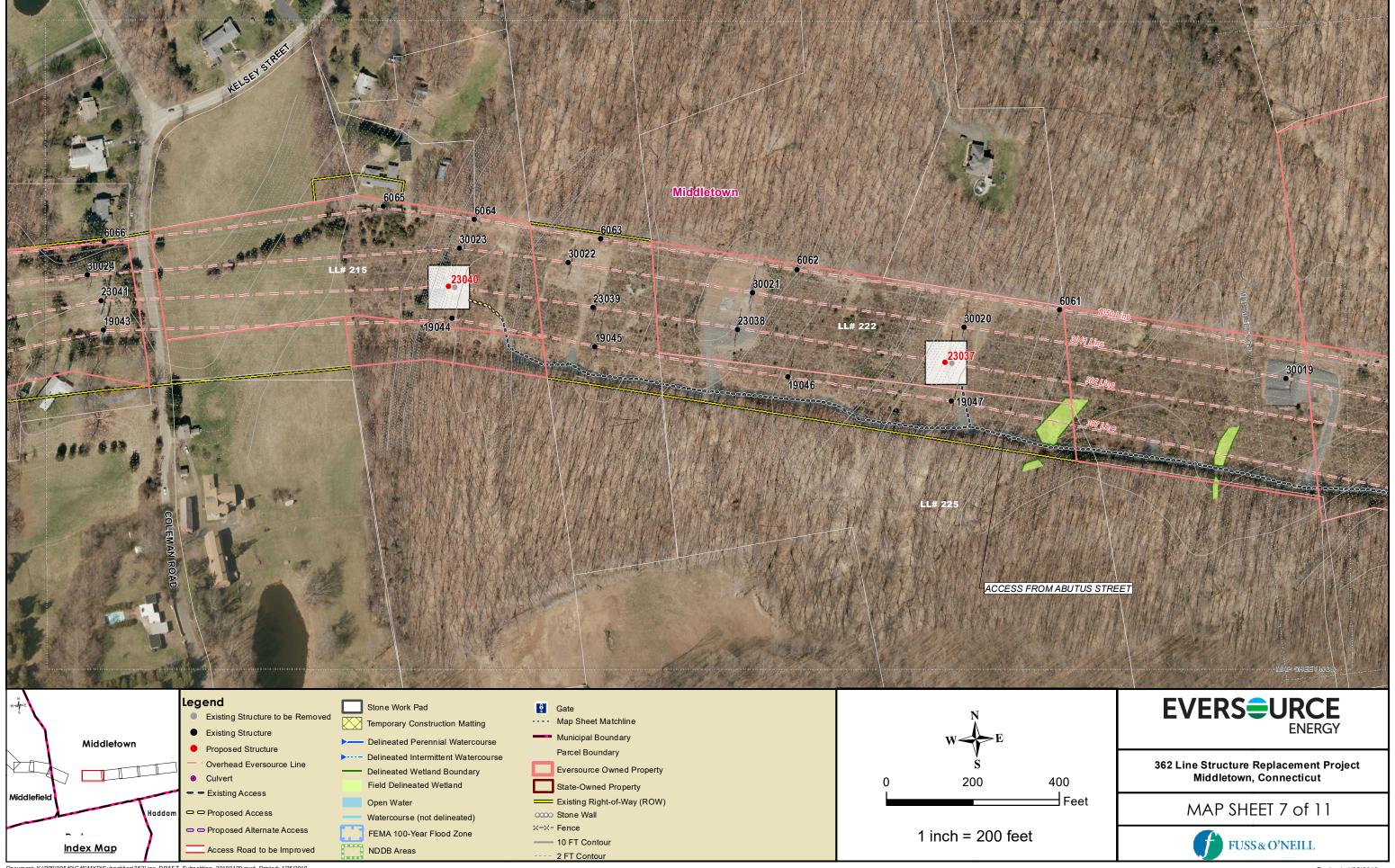
Line List Number	Owner First Name	Owner Last Name	Parcel Address	Parcel City	Parcel State	Parcel Zip Code
186	MIDDLETOWN WATER DEPT	N/A	LAUREL BROOK RD	MIDDLETOWN	СТ	06457
190	CONN LIGHT & POWER CO	N/A	LONG HILL RD	MIDDLETOWN	СТ	06457





# 362 Line Structure Replacement Project Map Sheet 7 Abutters List

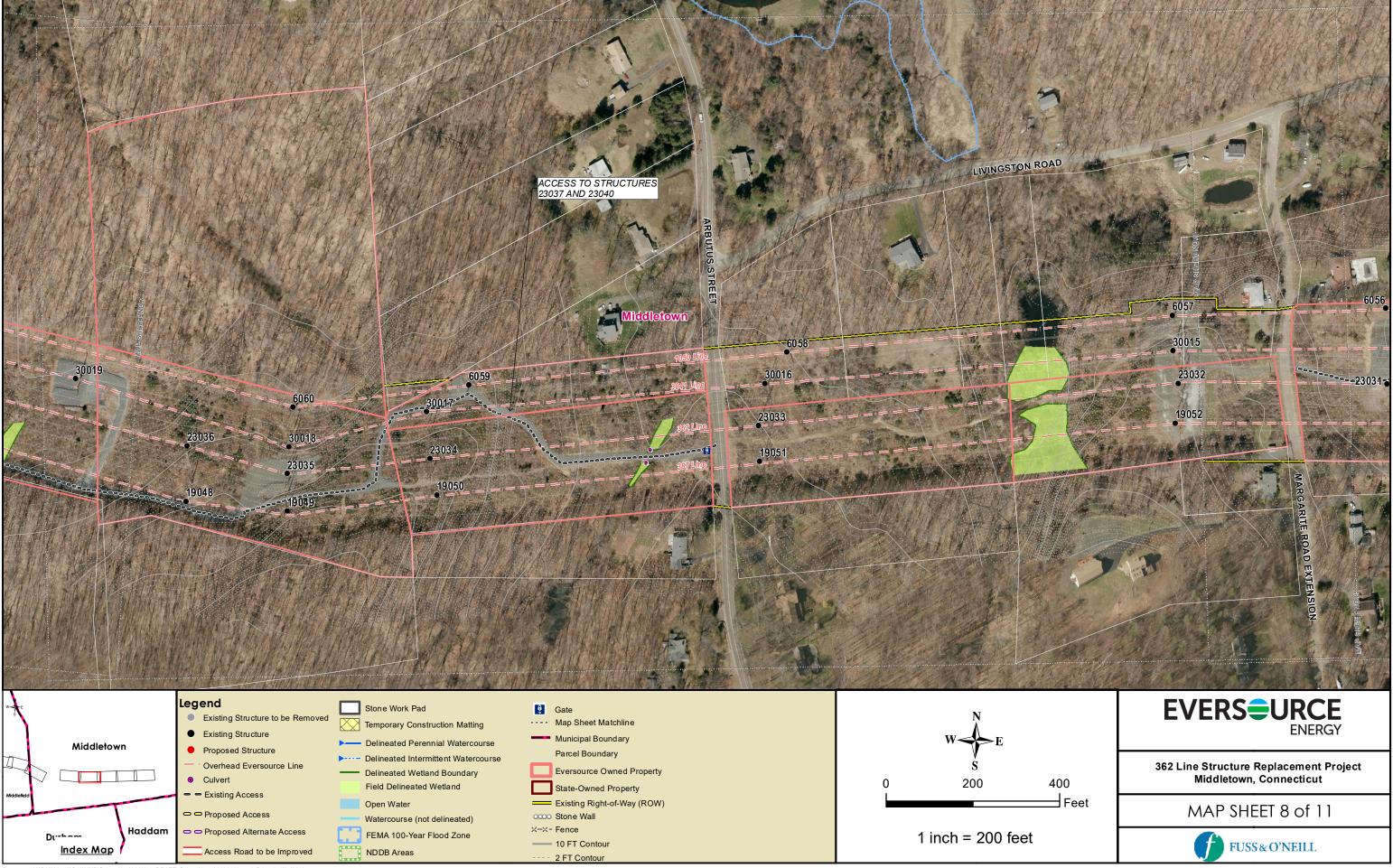
Line List Number	Owner First Name	Owner Last Name	Parcel Address	Parcel City	Parcel State	Parcel Zip Code
215	CONN LIGHT & POWER CO	N/A	COLEMAN RD	MIDDLETOWN	СТ	06457
222	CONN LIGHT & POWER CO	N/A	ARBUTUS ST	MIDDLETOWN	СТ	06457
225	CARMELO & KELLY	ARESCO	520 ROUND HILL RD	MIDDLETOWN	СТ	6457



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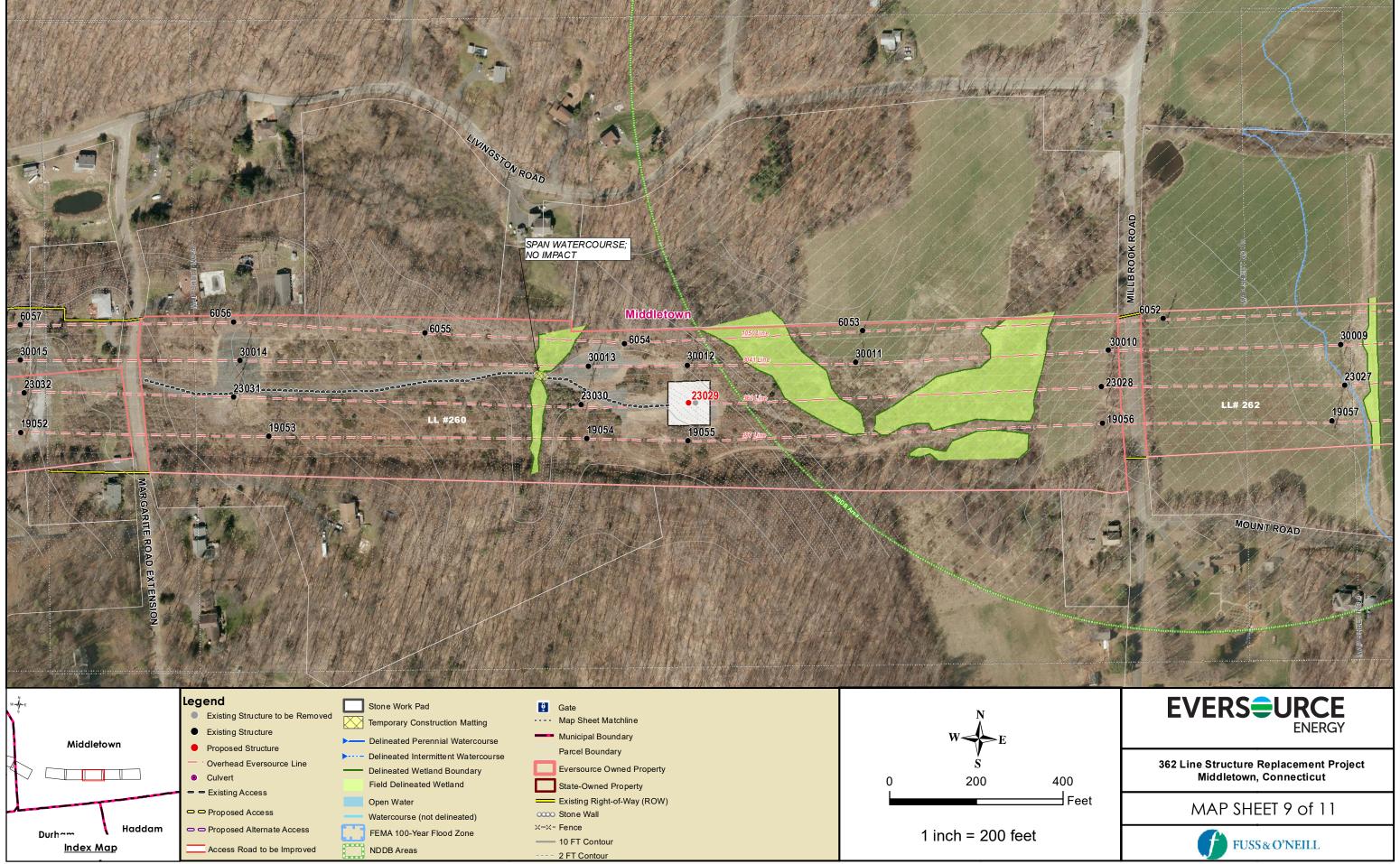


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# 362 Line Structure Replacement Project Map Sheet 9 Abutters List

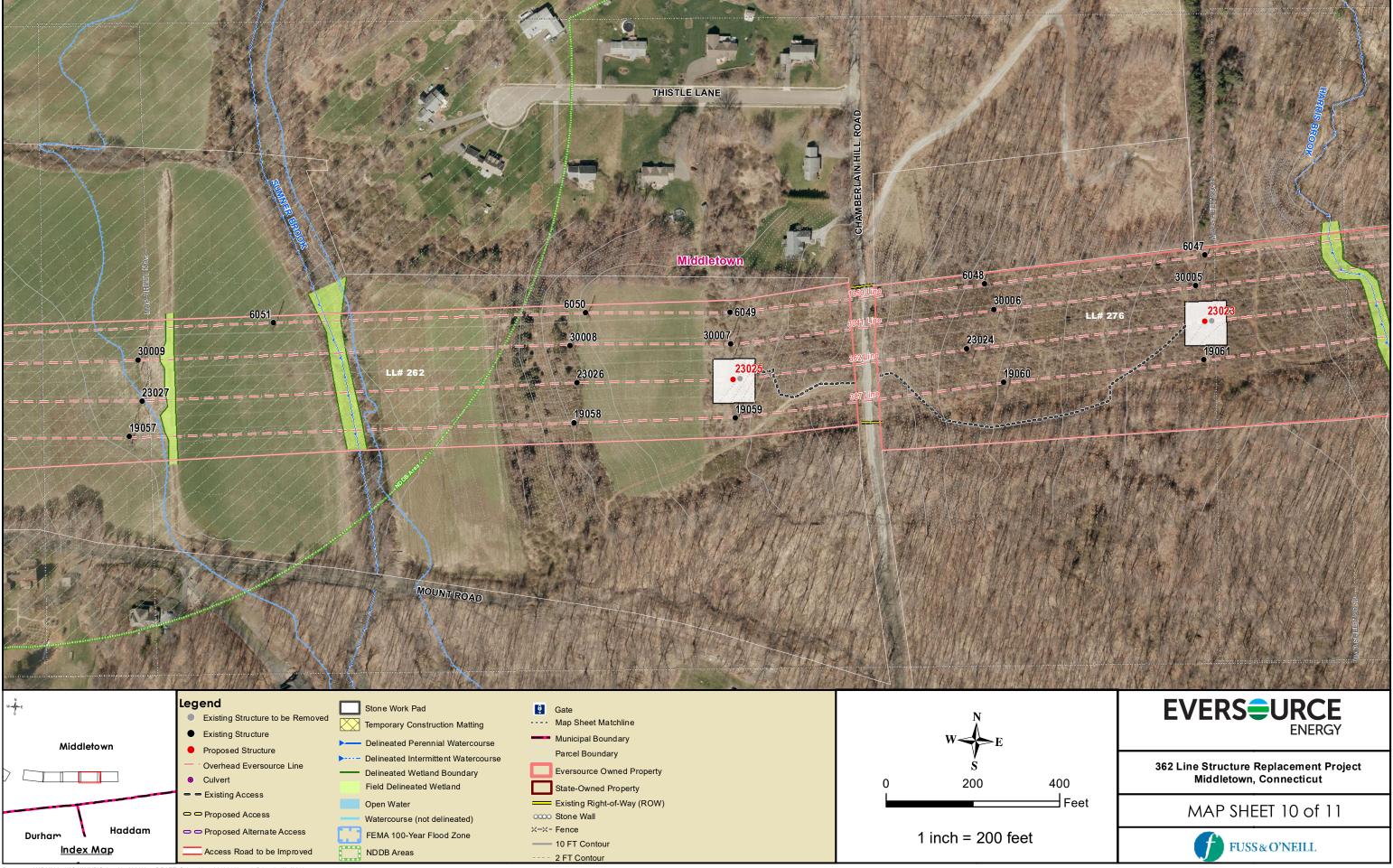
Line List Number	Owner First Name	Owner Last Name	Parcel Address	Parcel City	Parcel State	Parcel Zip Code
260	CONN LIGHT & POWER CO	N/A	MARGARITE RD	MIDDLETOWN	СТ	06457
262	CONN LIGHT & POWER CO	N/A	CHAMBERLAIN HILL RD	MIDDLETOWN	СТ	06457





# 362 Line Structure Replacement Project Map Sheet 10 Abutters List

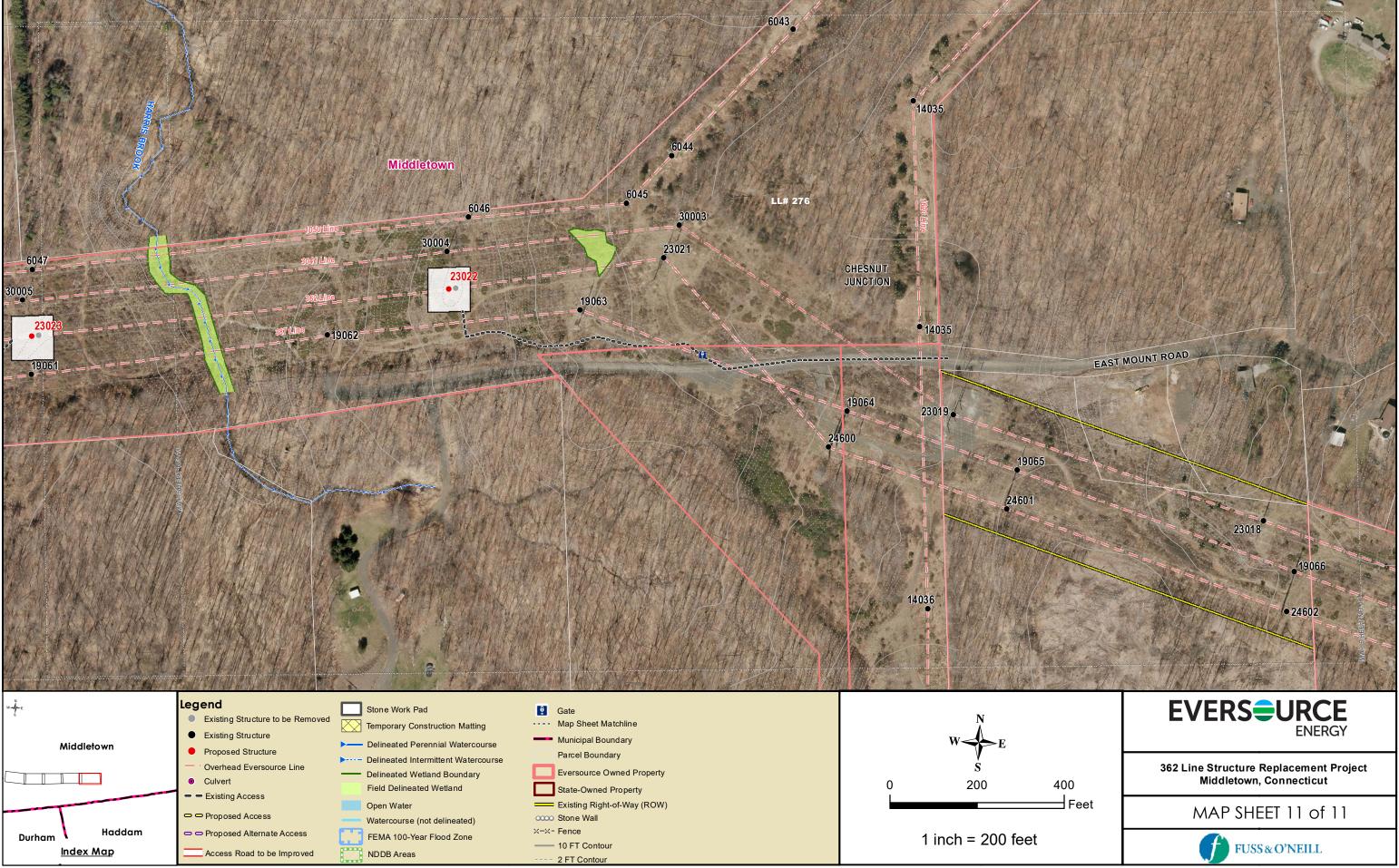
Line List Number	Owner First Name	Owner Last Name	Parcel Address	Parcel City	Parcel State	Parcel Zip Code
262	CONN LIGHT & POWER CO	N/A	CHAMBERLAIN HILL RD	MIDDLETOWN	СТ	06457
276	CONN LIGHT & POWER CO	N/A	CHAMBERLAIN HILL RD	MIDDLETOWN	СТ	06457





# 362 Line Structure Replacement Project Map Sheet 11 Abutters List

Line List Number	Owner First Name	Owner Last Name	Parcel Address	Parcel City	Parcel State	Parcel Zip Code
276	CONN LIGHT & POWER CO	N/A	CHAMBERLAIN HILL RD	MIDDLETOWN	СТ	06457



# ATTACHMENT D ABUTTER LETTER AND PROOF OF NOTICE



January 30, 2019

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 Middlefield and Middletown. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition 1293-MM-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 the existing wood structures. The new, weathering steel structures will increase in height by 10 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 <a href="mailto:siting.council@ct.gov">siting.council@ct.gov</a>. If you choose to send comments to the CSC, please reference Sub-Petition 1293-MM-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 <a href="mailto:TransmissionInfo@eversource.com">TransmissionInfo@eversource.com</a>. 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 January 30, 2019, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-MM-01 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipalities listed below and 3 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 Middlefield The Honorable Edward P. Bailey, First Selectman PO BOX 179 Middlefield, CT 06455

City of Middletown The Honorable Daniel Drew, Mayor 245 DeKoven Drive Middletown, CT 06457

> James L. Smith Project Siting Specialist

On this the \_\_\_\_\_\_ day of January, 2019, 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:

FERNANDA MARIA BARROS MOTARY PUBLIC. STATE OF CONNECTICUT My Commission Expires September 30. 2022