

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

Kathleen M. Shanley

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

November 20, 2019

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

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

Dear Ms. Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-SWEWES-01 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in South Windsor, East Windsor, Ellington and Somers Connecticut. The work includes replacing 35 existing wooden transmission structures with new weathering steel transmission structures.

Eversource notified the officials of the municipalities of South Windsor, East Windsor, Ellington and Somers 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

Town: South Windsor, East Windsor, Ellington and Somers

Sub-Petition: 1293-SWEWES-01

Project: 3419 Transmission Line Structure Replacement Project

Structure Locations: 35 Transmission Line Structures located in South Windsor, East Windsor, Ellington

and Somers, 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 3419 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 the Connecticut portion of the 3419 Line between Barbour Hill Substation in South Windsor and Stafford Road in Somers. The 3419 Line, in its entirety, is a 345-kilovolt single-circuit line that extends from Barbour Hill Substation to Ludlow Substation in Ludlow Massachusetts. Of the Connecticut structures that will be replaced, 35 structures require a slight increase in structure height to comply with current clearance requirements. These 35 structures to be replaced are a mix of wood H-Frame and monopole structures.

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 35 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 structure. 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) 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 would access the structure replacement locations utilizing its existing rights and, in some locations, it has secured rights for off-ROW access routes to minimize the amount of proposed access roads that would need to be installed within the ROW and lessen the impacts to wetlands, sensitive habitat and/or agricultural areas.
- b) Collectively, the Work Activities would result in approximately 62,460 square feet ("SF") of temporary wetland impacts, limited to temporary construction matting required for the construction of access roads and work pads for 13 structures as follows:

Wetland Number	Structure Number	Construction Work Pads	Access Roads Temporary Impacts (SF)
		Temporary Impacts (SF)	
W52	8538	0	±4,780
W44	8551	0	±1,780
W44	8552	±10,000	±8,790
W44	8553	±10,000	±1,150
W44	8554	±2,265	±3,230
W39	8567	0	±600
W36	8582	0	±530
W28A	8601	±1,075	0
W25	8607	±9,760	0
W24	8608	±1,750	0
W21	8610	0	±4,730
W19	8612	±1,465	±25
W14	8617	±530	0
Subtotals:		±36,845	±25,615
TOTAL:		±62,	460

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 are located in proximity to the Work Areas.
- d) As a result of Eversource's review of the Connecticut Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Database ("NDDB"), only the Work Activities associated with the access and work pads for Structures 8617 and 8618 are proposed within a NDDB buffered area and wetland jurisdictional area and/or CTDEEP owned property and therefore would be subject to a NDDB review request. Eversource is currently in consultation with CTDEEP regarding Eversource's proposed work in these areas and will adhere to any state-listed species protection

measures recommended by CTDEEP, as necessary. Any recommended measures will be incorporated into Eversource's BMPs during construction. With these protection 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 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 ("Heritage"), did not identify any National Register of Historic Places properties/districts located within 500 feet of the Work Areas; however, one State Register of Historic Places property (130-37) identified at 398 Ninth District Road in Somers is situated 127 feet north of the entrance to the existing off-ROW access road to Structure 8601. A Greek Revival house constructed circa 1850 is located on this property. The house is located approximately 1,500 feet to the southeast of Structure 8601. Based on existing conditions, the like-for-like design of the replacement structure, distance from Work Activities and the modest average height increase of five feet, the proposed Work Activities would not directly impact this historic resource or substantially change views of the ROW.

Based on a review of historic maps, aerial photographs, available soil profiles and a pedestrian survey of the Work Areas, twelve of the proposed work pad locations and ten of the access road locations were identified to possess a potential for moderate to high archaeological sensitivity. Phase 1B cultural reconnaissance surveys (shovel pit testing) at these locations found one historic cultural resources locus and two prehistoric cultural resources loci. These findings were not found to be of archaeological significance; therefore, no further investigation was recommended or warranted, and no protective measures are required.

- g) Increases in the heights of the 35 replacement structures will average approximately 5 feet and none will exceed 10 feet.
- h) Replacement structures would be located within 15 feet of existing structures.
- i) Work Activities associated with Structure 8608 are located partially within the mapped 100-year flood zone associated with Abbey Brook. Work Activities associated with Structure 8617 are located partially within the mapped 100-year flood zone associated with the Scantic River. Work Activities associated with Structure 8618 are located partially within the mapped floodway and 100-year flood zone associated with the Scantic River. Eversource would utilize its BMPs to minimize any impacts to these flood zones and the floodway by utilizing temporary construction matting and/or by not placing fill that would increase the elevations of the existing or proposed road surfaces or work pads to ensure that the floodway and floodplain hydrology would not be adversely affected. With these protective measures and the use of BMPs, no adverse impact to the 100-year flood zones and the floodway would result from the proposed Work Activities.
- j) 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.
- k) 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.
- Any NDDB recommended rare species protective measures will be incorporated into Eversource's BMPs during construction.
- Potential impacts to the 100-year flood zones and floodway would 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 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 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 temporarily widened at turning areas to facilitate the safe passage of construction vehicles. Construction matting would be used as 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 property and/or the ROW from existing access points on public roads as follows:

#### South Windsor

- Barber Hill Road for Structures 8533 and 8534
- Niederwerfer Road for Structures 8537 and 8538

#### East Windsor

Niederwewrfer Road for Structures 8542 and 8543

### **Ellington**

- Middle Road for Structures 8551, 8552, 8553, 8554 and 8555
- Frog Hollow Road for Structures 8562, 8567, 8568, 8569 and 8570
- Broad Brook Road for Structures 8571, 8572, 8573, 8574 and 8575
- Sadds Mill Road for Structure 8582
- Green Road for Structures 8587, 8588 and 8590

### <u>Somers</u>

- Hitching Post Lane for Structure 8599
- 9<sup>th</sup> District Road for Structures 8601, 8608, 8610 and 8612
- Billings Road for Structure 8607
- Main Street for Structure 8615, 8617 and 8618
- Stafford Road for Structure 8636

By:

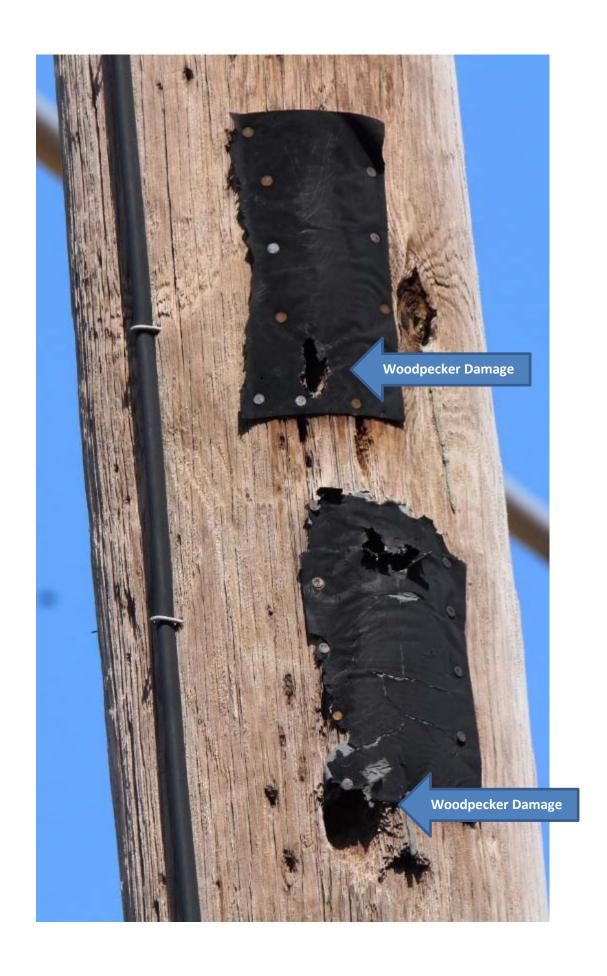
Kathleen M. Shanley

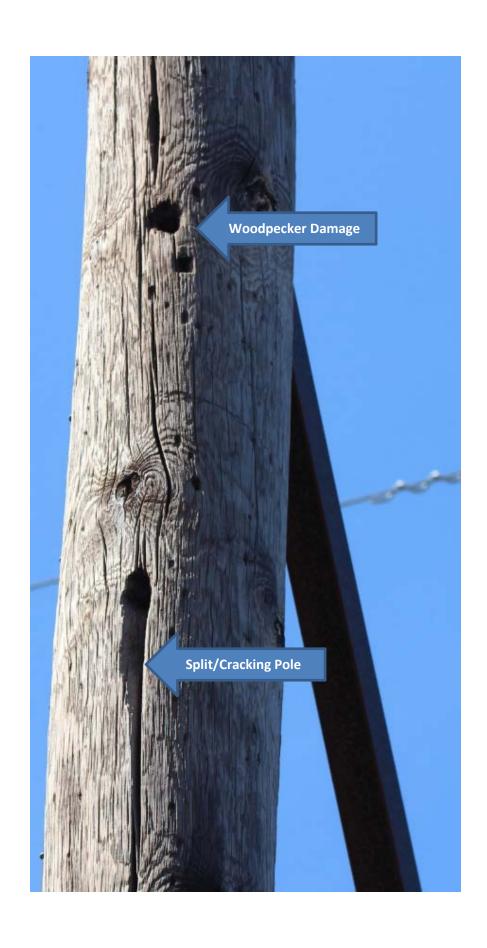
Manager - Transmission Siting

# ATTACHMENT B PHOTOGRAPHS AND PHOTO SIMULATION









SOUTHEAST

BROAD BROOK ROAD ELLINGTON, CT

**STRUCTURE 8575** 



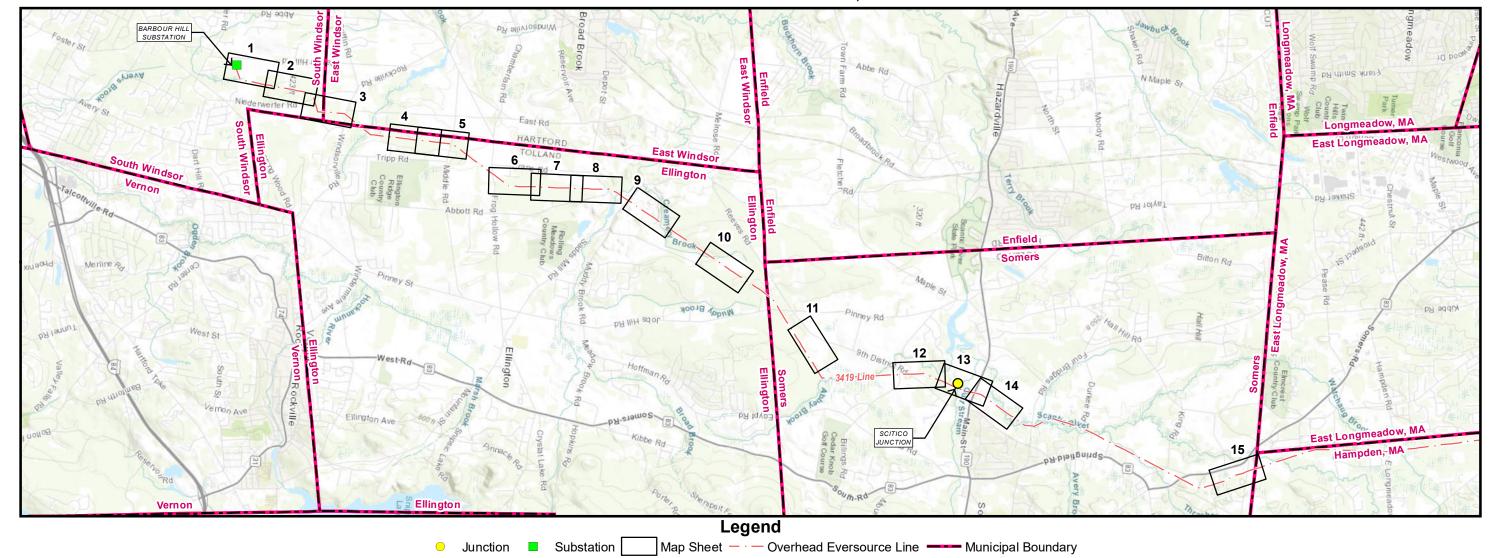


## ATTACHMENT C MAPS

### 3419 LINE STRUCTURE REPLACEMENT PROJECT

South Windsor, East Windsor, Ellington, & Somers, CT Sub-Petition Map Set

Revised Date: November 15, 2019



PREPARED FOR:

Berlin, CT 06037



INDEX OF FIGURES

TITLE SHEET / INDEX MAP

MAP SHEETS 1-15

ABUTTER TABLES

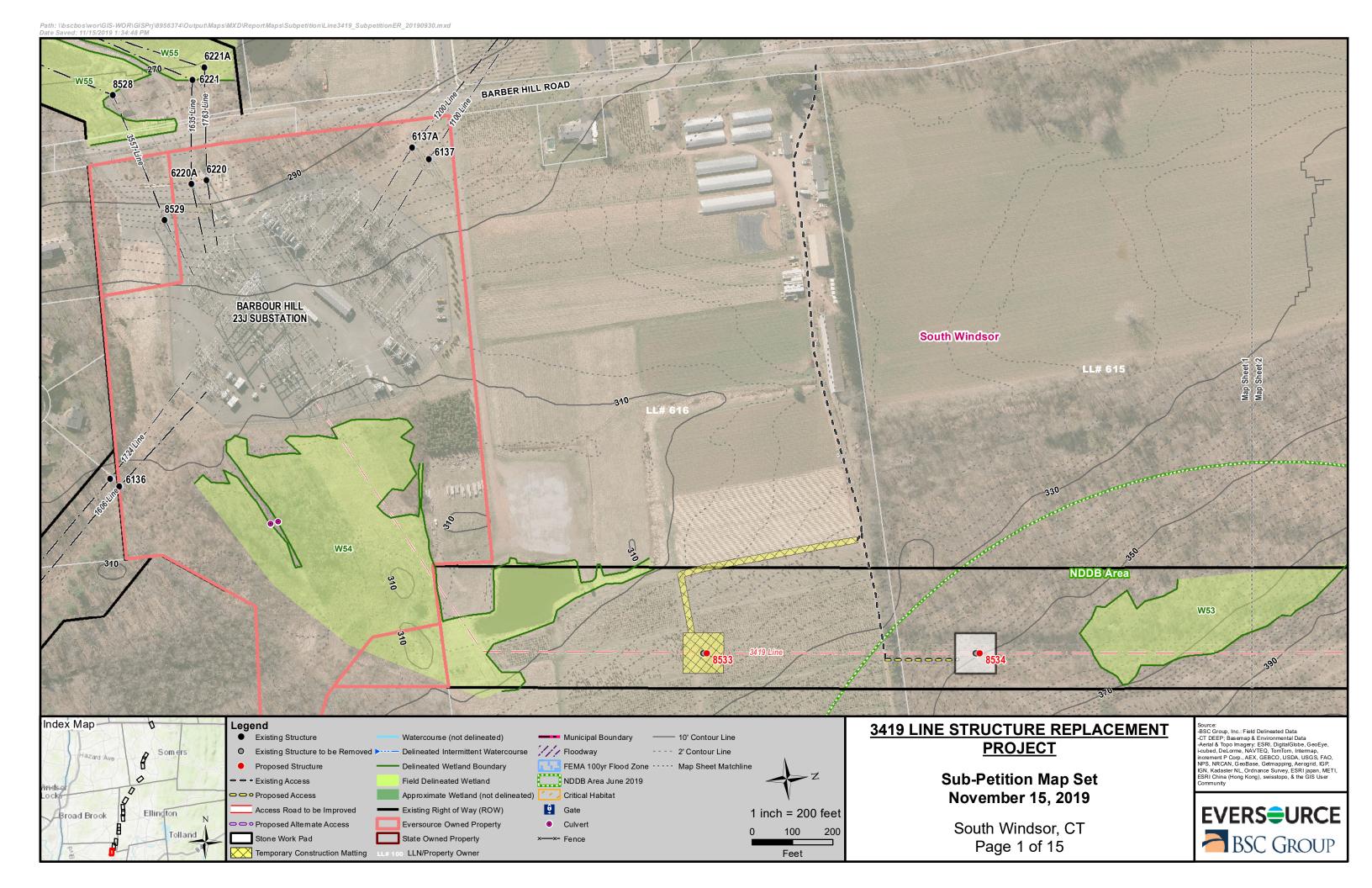
1 inch = 6,000 feet



33 Waldo Street Worcester, MA 01608

# 3419 Line Structure Replacement Project Map Sheet 1 Abutters List

<b>Line List Number</b>	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
616	DZEN PROPERTIES LLC	244 BARBER HILL ROAD	SOUTH WINDSOR	СТ	06074
615	TOWN OF SOUTH WINDSOR 8 PUDIM PROPERTY	R010 BARBER HILL ROAD	SOUTH WINDSOR	СТ	06074



# 3419 Line Structure Replacement Project Map Sheet 2 Abutters List

<b>Line List Number</b>	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
615	TOWN OF SOUTH WINDSOR 8 PUDIM PROPERTY	R010 BARBER HILL ROAD	SOUTH WINDSOR	СТ	06074
607	STATE OF CONNECTICUT	476 BARBER HILL ROAD	SOUTH WINDSOR	СТ	06074

Feet

Page 2 of 15

Stone Work Pad

Temporary Construction Matting

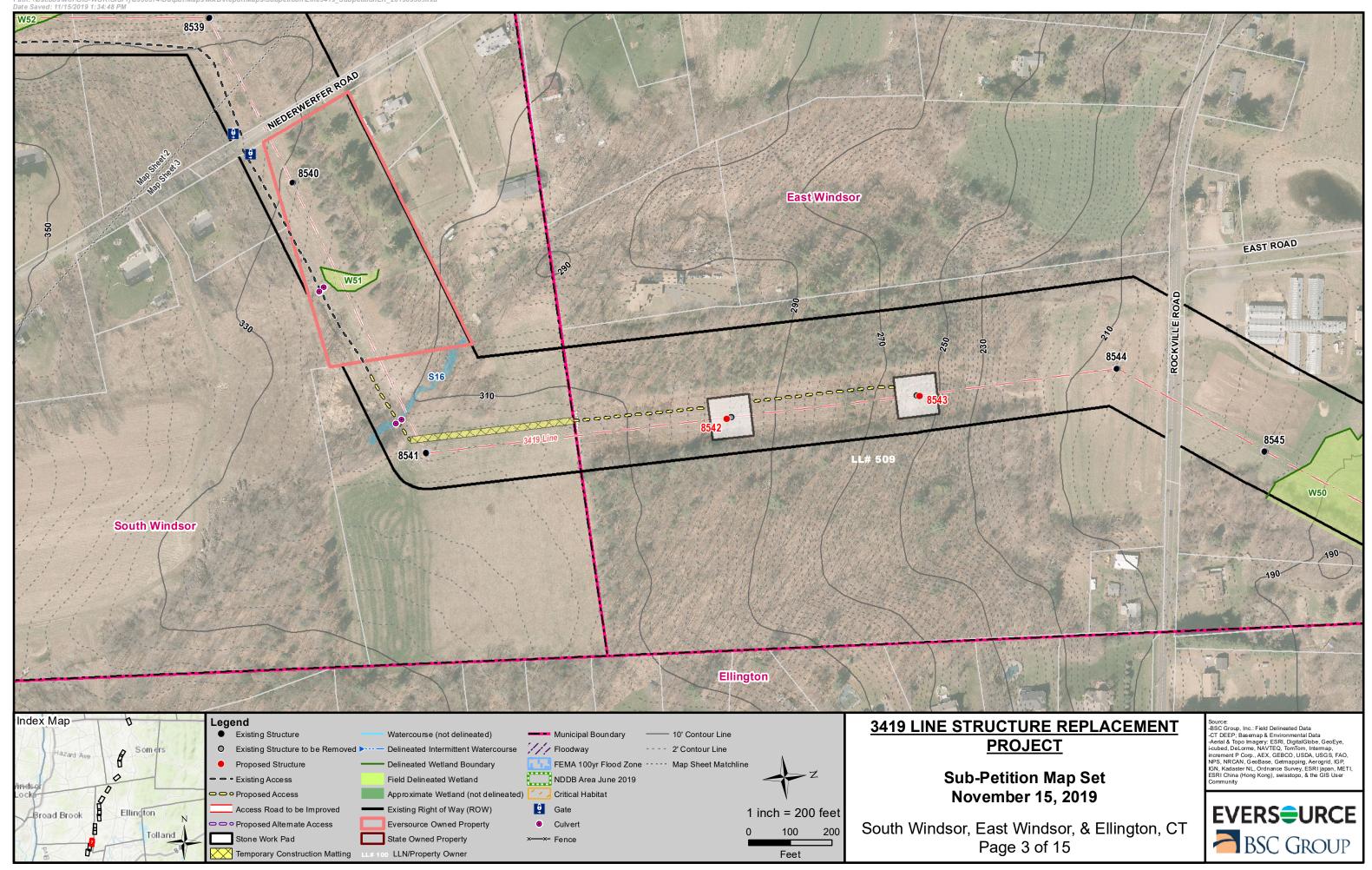
State Owned Property

LLN/Property Owner

×—×- Fence

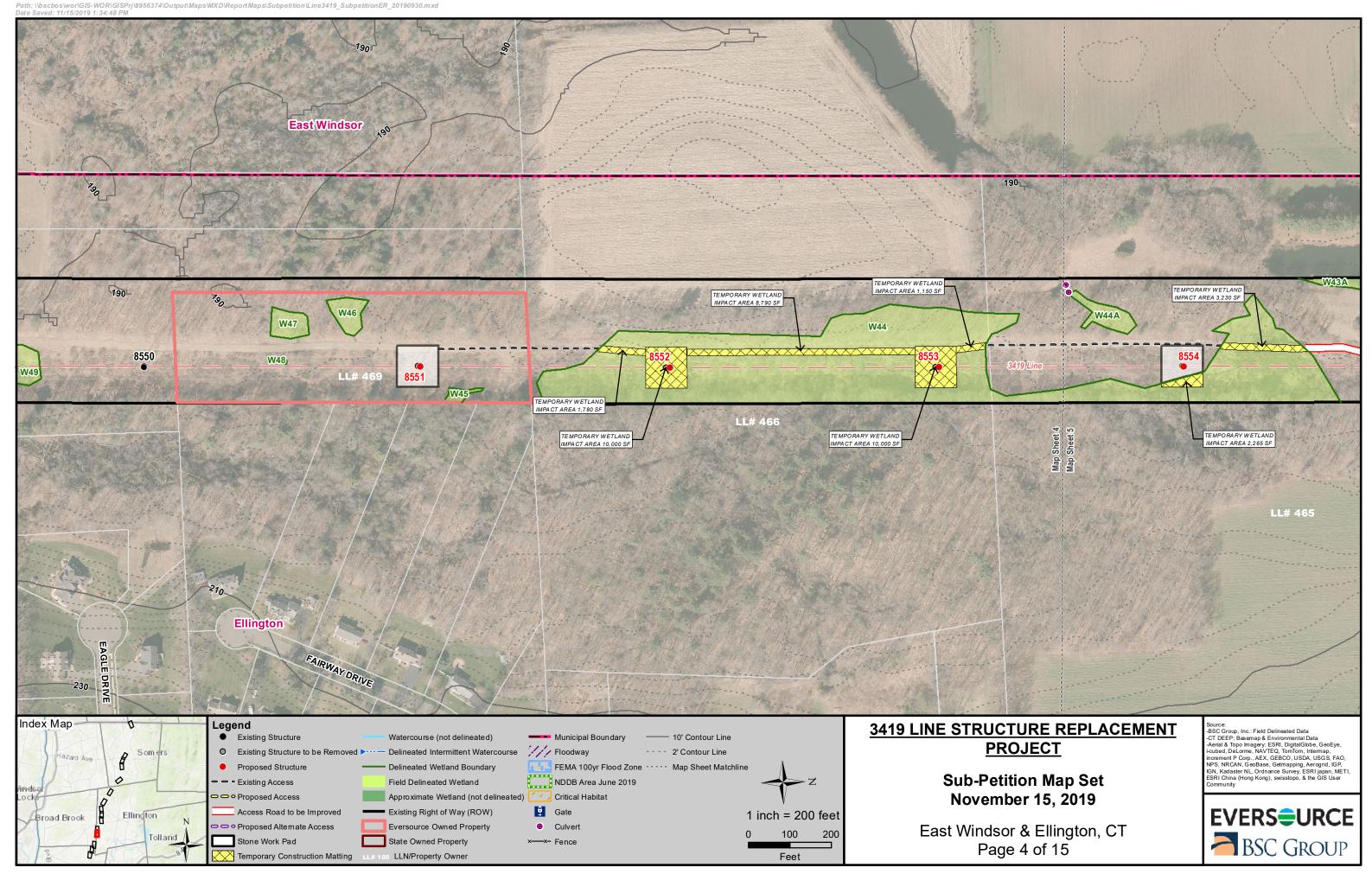
### 3419 Line Structure Replacement Project Map Sheet 3 Abutters List

<b>Line List Number</b>	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
509	THEORDORE W & CYNTHIA L SZYMANSKI	ROCKVILLE ROAD	EAST WINDSOR	СТ	06016



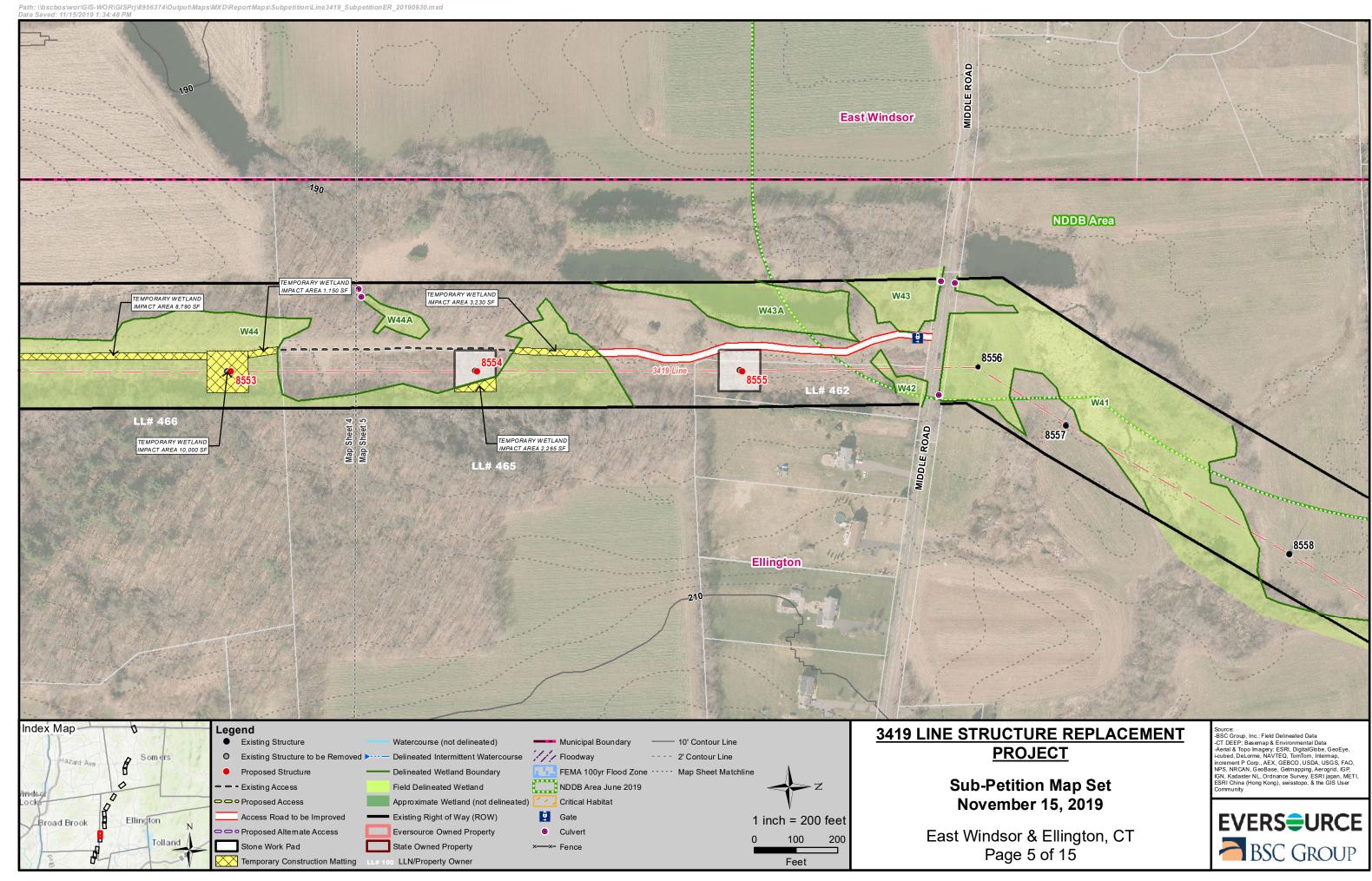
# 3419 Line Structure Replacement Project Map Sheet 4 Abutters List

<b>Line List Number</b>	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
469	THE CONNECTICUT LIGHT & POWER COMPANY (EVERSOURCE)	TRIPP ROAD	ELLINGTON	СТ	06029
466	ASSOCIATION OF THE CATHOLIC CEMETERIES, ARCHIOCESE OF HARTFORD INC	TRIPP ROAD	ELLINGTON	СТ	06029
465	ASSOCIATION OF THE CATHOLIC CEMETERIES, ARCHIOCESE OF HARTFORD INC	146 TRIPP ROAD	ELLINGTON	СТ	06029



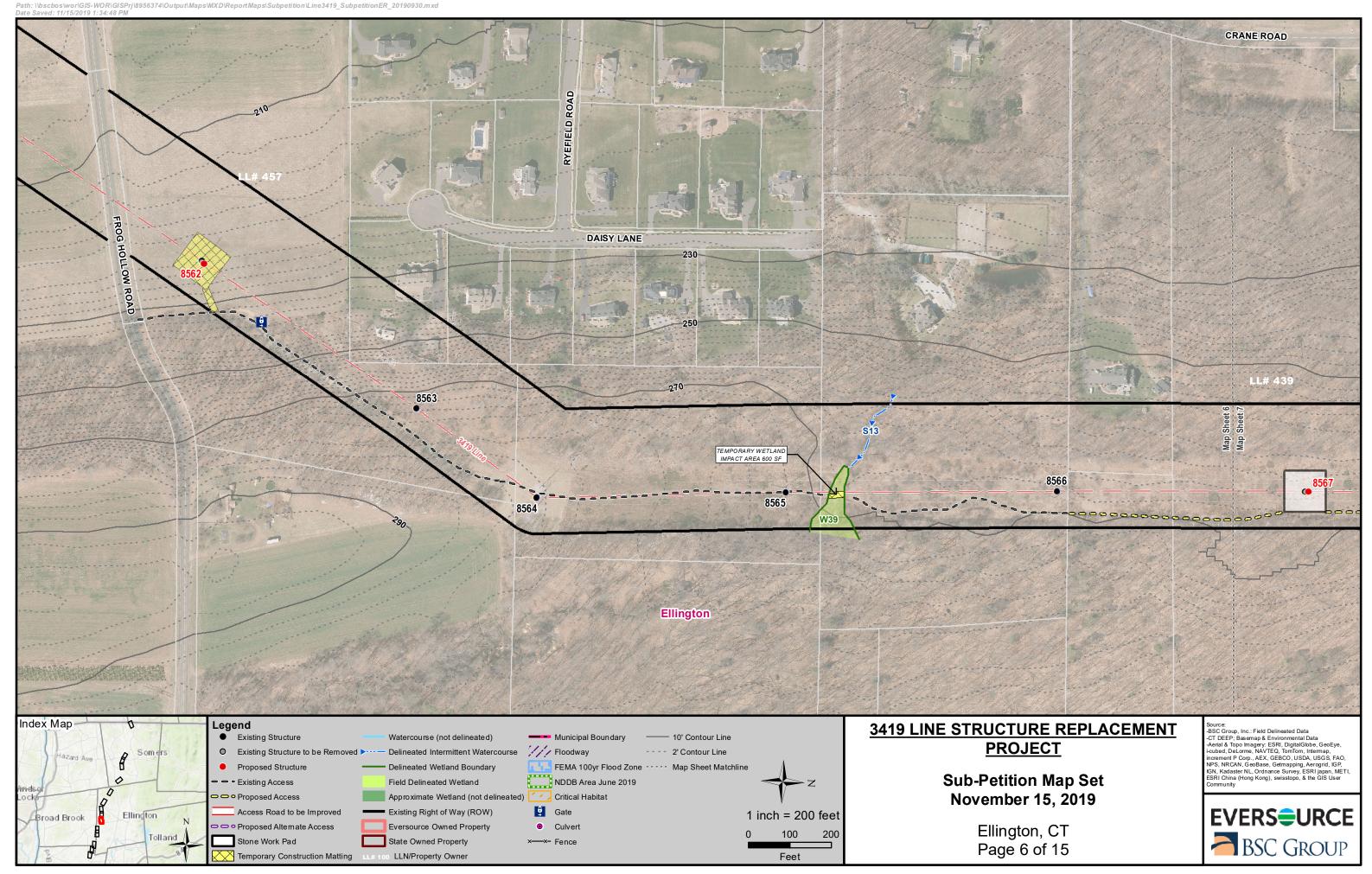
# 3419 Line Structure Replacement Project Map Sheet 5 Abutters List

<b>Line List Number</b>	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
466	ASSOCIATION OF THE CATHOLIC CEMETERIES, ARCHIOCESE OF HARTFORD INC	TRIPP ROAD	ELLINGTON	СТ	06029
465	ASSOCIATION OF THE CATHOLIC CEMETERIES, ARCHIOCESE OF HARTFORD INC	146 TRIPP ROAD	ELLINGTON	СТ	06029
462	TOWN OF ELLINGTON	MIDDLE ROAD	ELLINGTON	СТ	06029



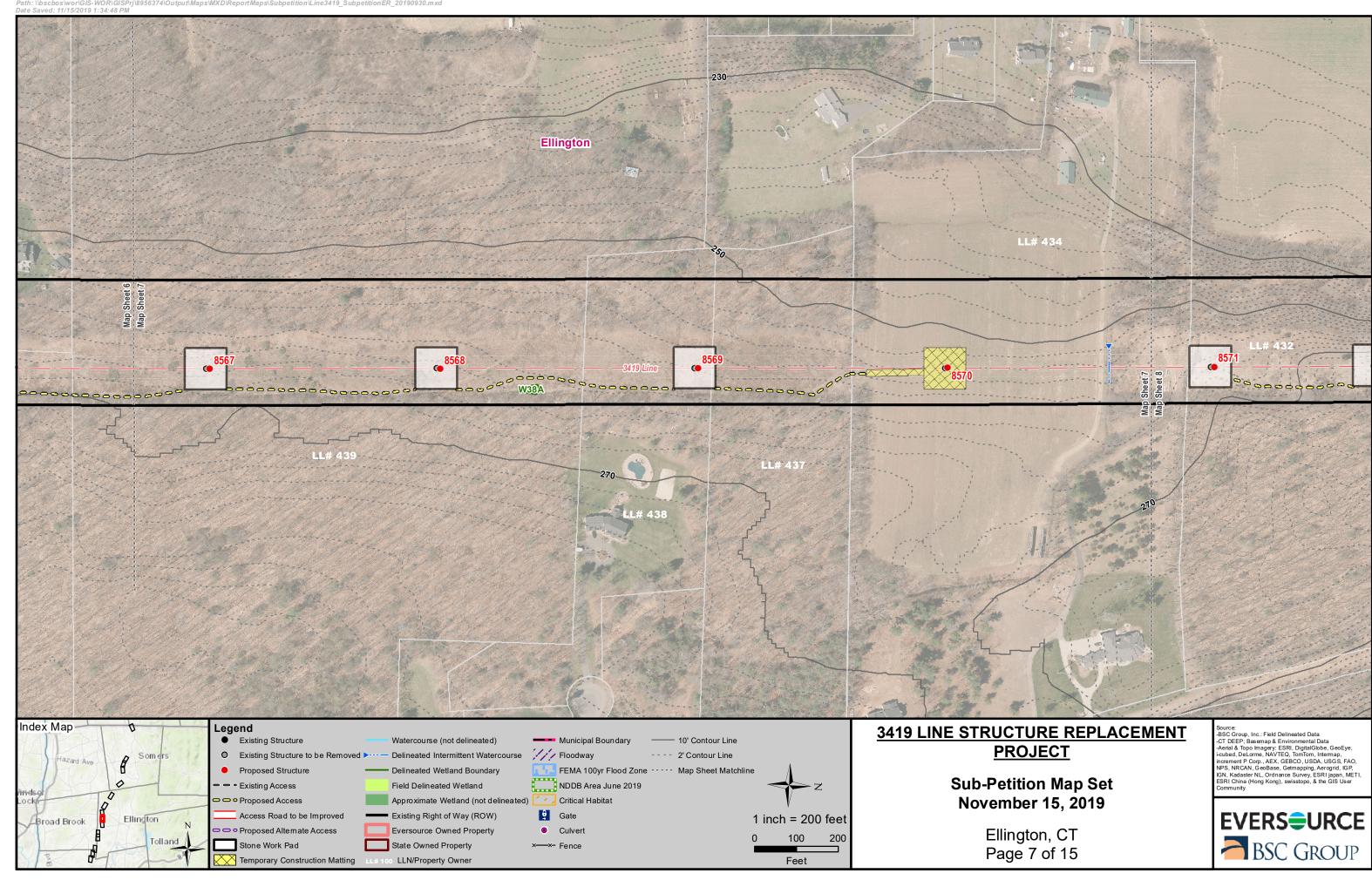
# 3419 Line Structure Replacement Project Map Sheet 6 Abutters List

<b>Line List Number</b>	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
457	GARDNERS NURSERIES INC	FROG HOLLOW ROAD	ELLINGTON	СТ	06029
439	CHARLES J SCHAUB	45 CRANE ROAD	ELLINGTON	СТ	06029



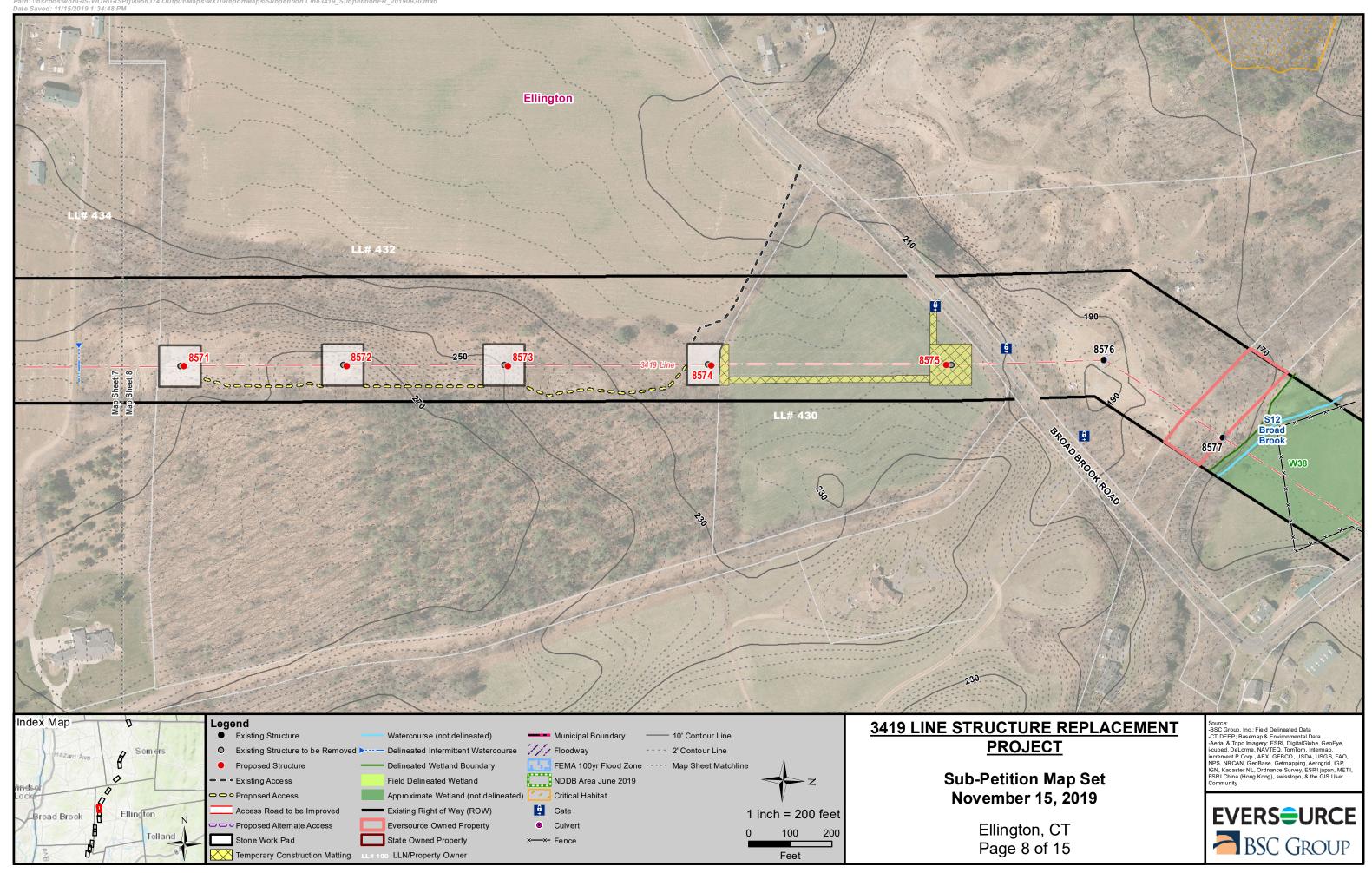
# 3419 Line Structure Replacement Project Map Sheet 7 Abutters List

<b>Line List Number</b>	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
439	CHARLES J SCHAUB	45 CRANE ROAD	ELLINGTON	СТ	06029
438	AMY K OLENDER TRUSTEE	5 ZIMMERMAN WAY	ELLINGTON	СТ	06029
437	JENNIFER SMYTH AND GEORGE FETKO	206 ABBOTT ROAD	ELLINGTON	СТ	06029
434	OLENDER PROPERTIES LLC	69 CRANE ROAD	ELLINGTON	СТ	06029
432	JANICE A ADAMS	79 CRANE ROAD	ELLINGTON	СТ	06029



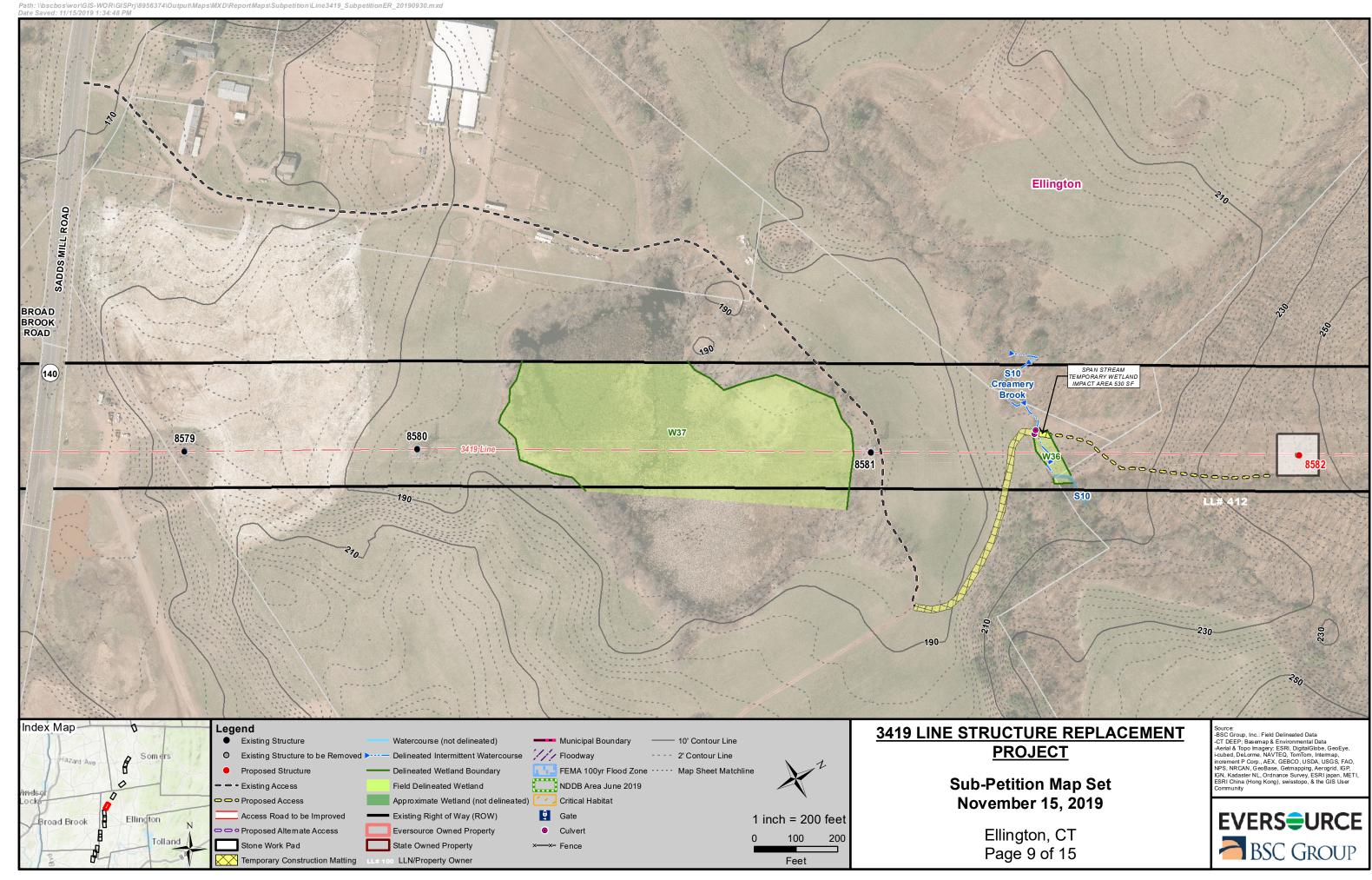
### 3419 Line Structure Replacement Project Map Sheet 8 Abutters List

<b>Line List Number</b>	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
434	OLENDER PROPERTIES LLC	69 CRANE ROAD	ELLINGTON	СТ	06029
432	JANICE A ADAMS	79 CRANE ROAD	ELLINGTON	СТ	06029
430	IRVING FRIEDMAN	12 BROAD BROOK ROAD	ELLINGTON	СТ	06029



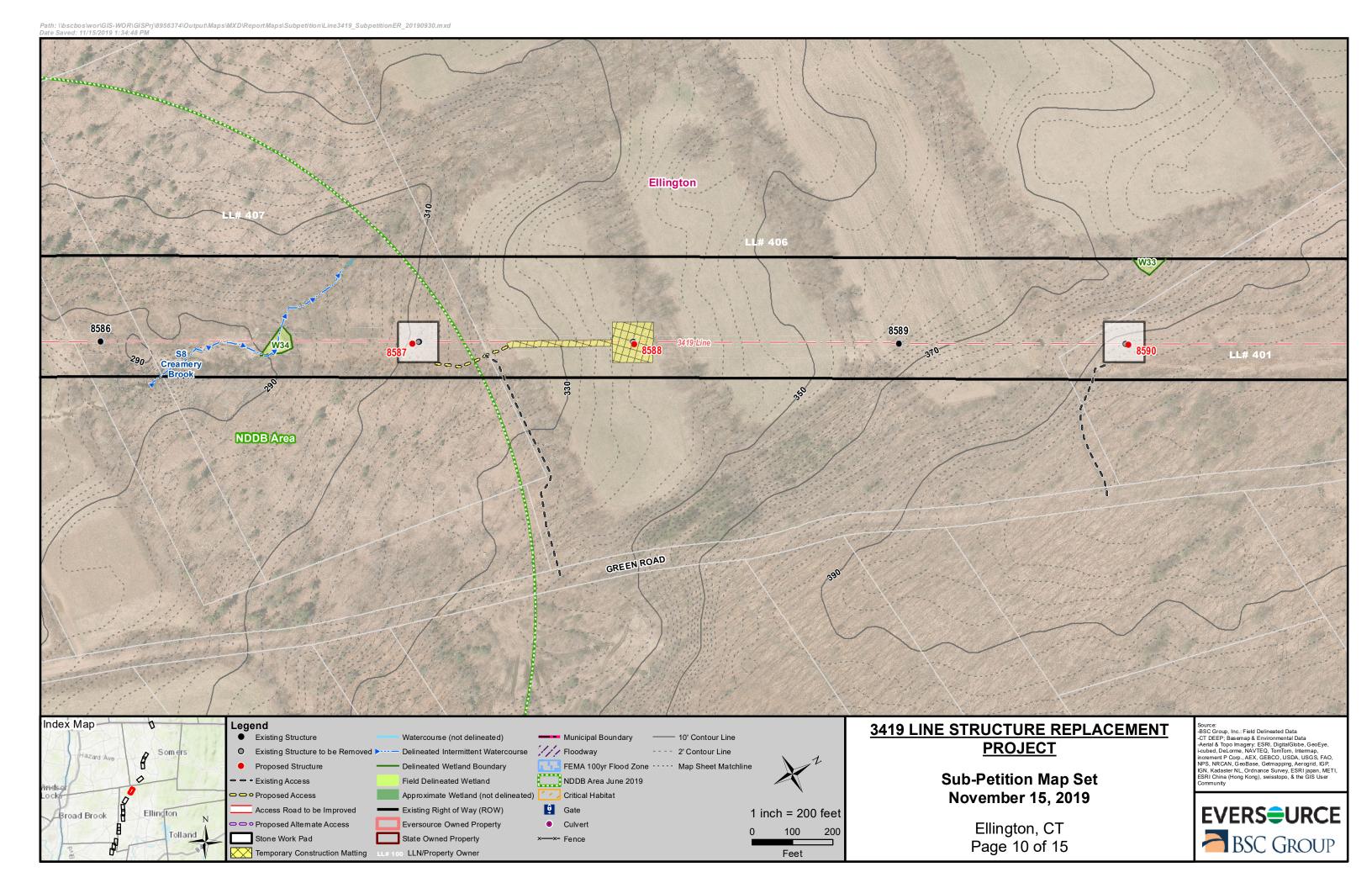
# 3419 Line Structure Replacement Project Map Sheet 9 Abutters List

<b>Line List Number</b>	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
412	ANDREW J & GREGORY J & PHILIP A GALE	90 GREEN ROAD	ELLINGTON	СТ	06029



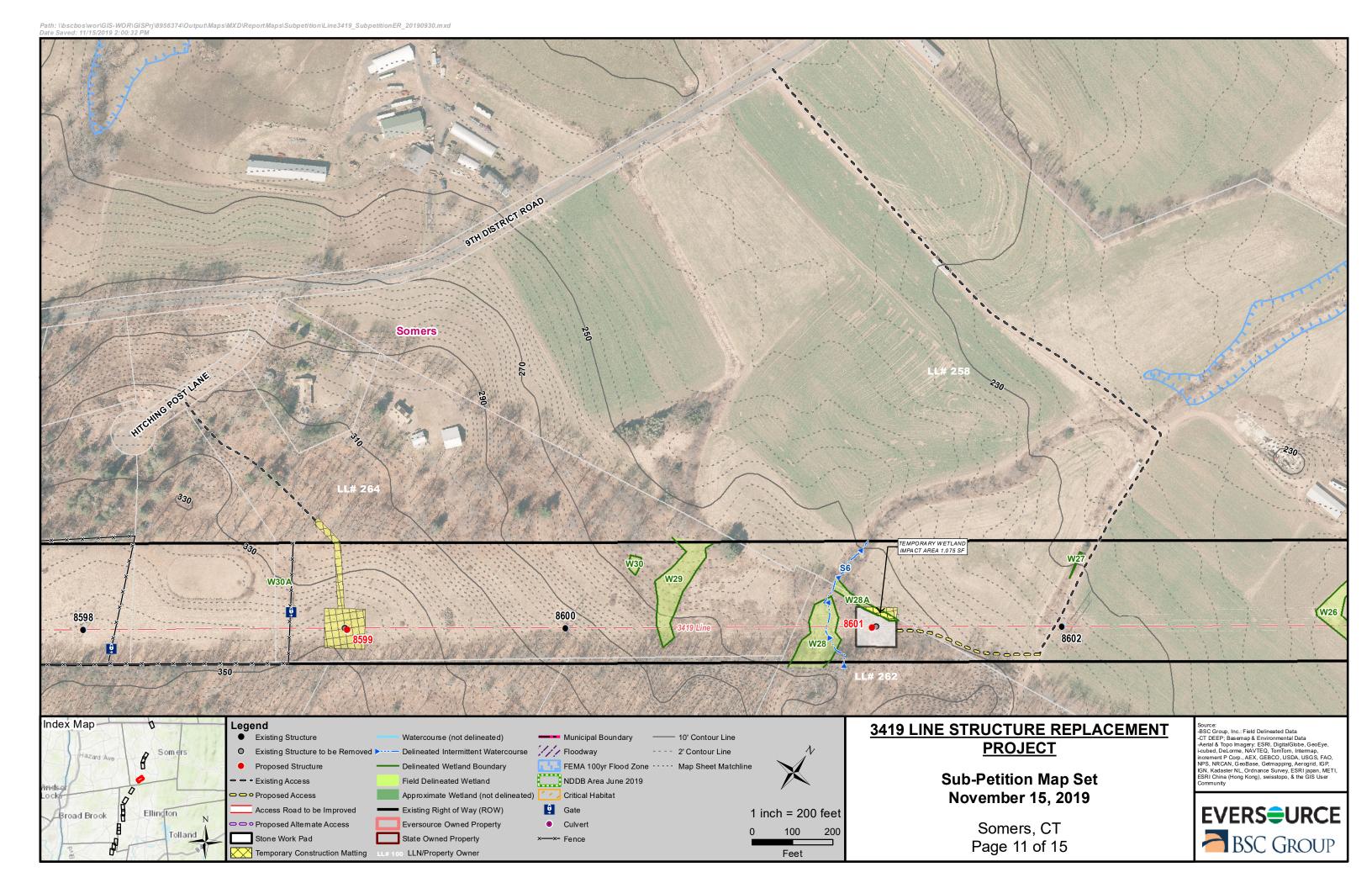
# 3419 Line Structure Replacement Project Map Sheet 10 Abutters List

<b>Line List Number</b>	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
407	ANDREW J & GREGORY J & PHILIP A GALE	GREEN ROAD	ELLINGTON	СТ	06029
406	NORTHERN CONNECTICUT LAND TRUST INC	GREEN ROAD	ELLINGTON	СТ	06029
401	GEORGE M & LESLIE J GRANT	GREEN ROAD	ELLINGTON	СТ	06029



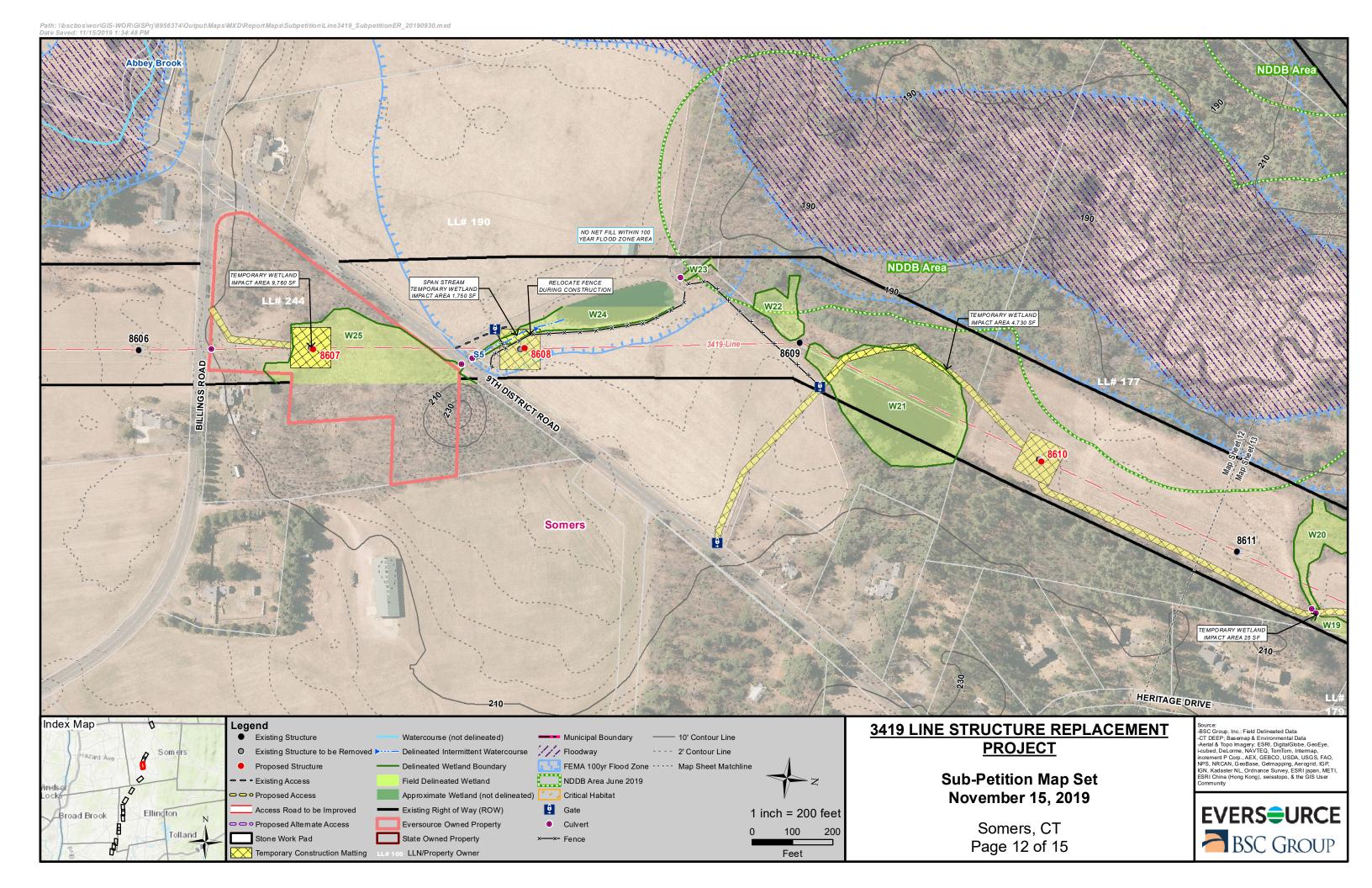
## 3419 Line Structure Replacement Project Map Sheet 11 Abutters List

<b>Line List Number</b>	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
264	BERNIER MICHAEL C & JANENE L	7 HITCHING POST LN	SOMERS	СТ	06071
262	PEASE ROGER F &	NINTH DISTRICT RD	SOMERS	СТ	06071
258	SOBASKI STEPHEN W & HARRY W	391 NINTH DISTRICT RD	SOMERS	СТ	06071



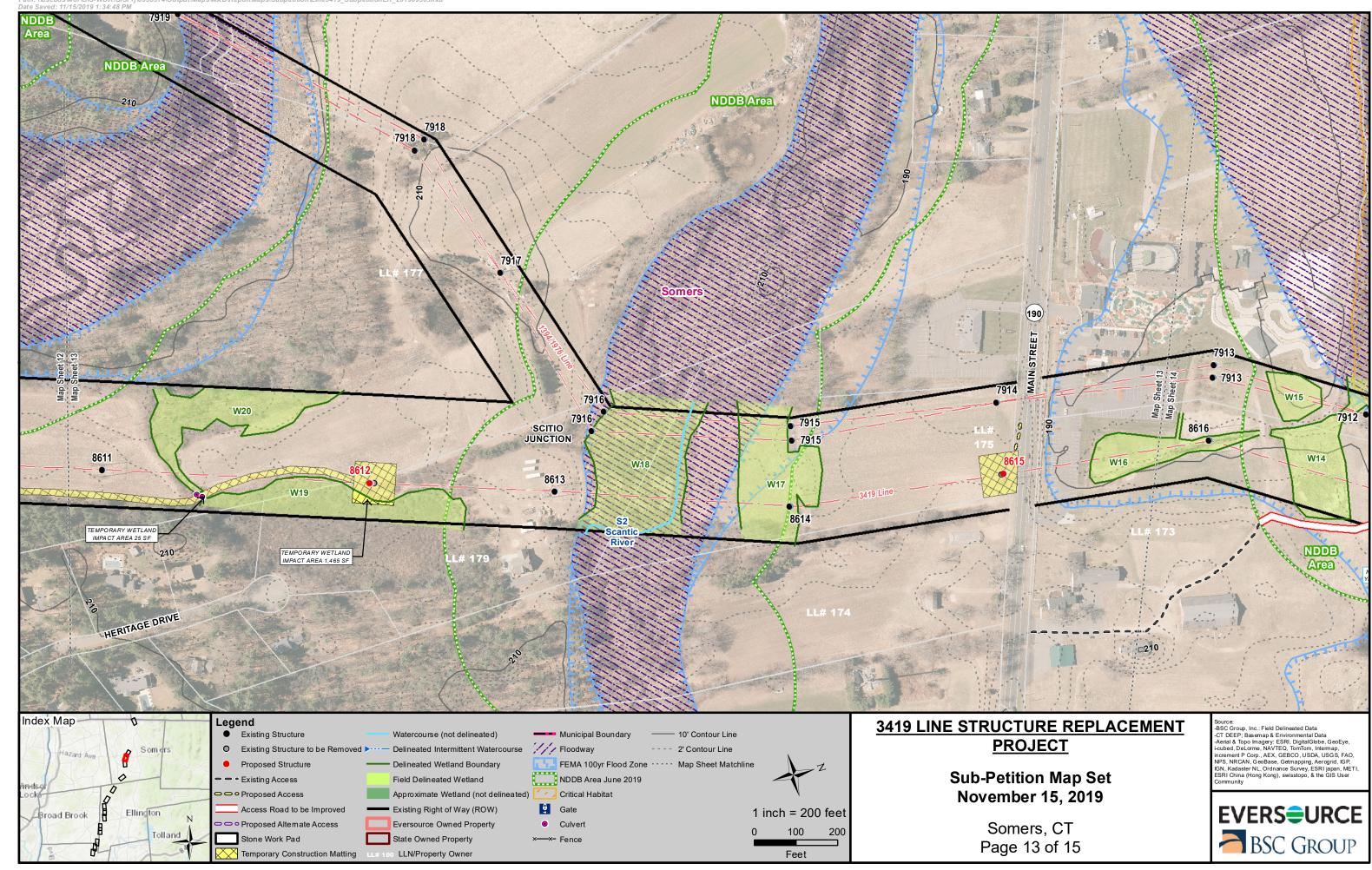
## 3419 Line Structure Replacement Project Map Sheet 12 Abutters List

<b>Line List Number</b>	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
244	CONNECTICUT LIGHT & POWER CO THE	183 NINTH DISTRICT RD	SOMERS	СТ	06071
190	ANTONACCI REBECCA A	137 BILLINGS RD	SOMERS	СТ	06071
177	DEPEAU CONTANCE, ALFRED & KENNETH CO-TR	314 MAIN ST	SOMERS	СТ	06071



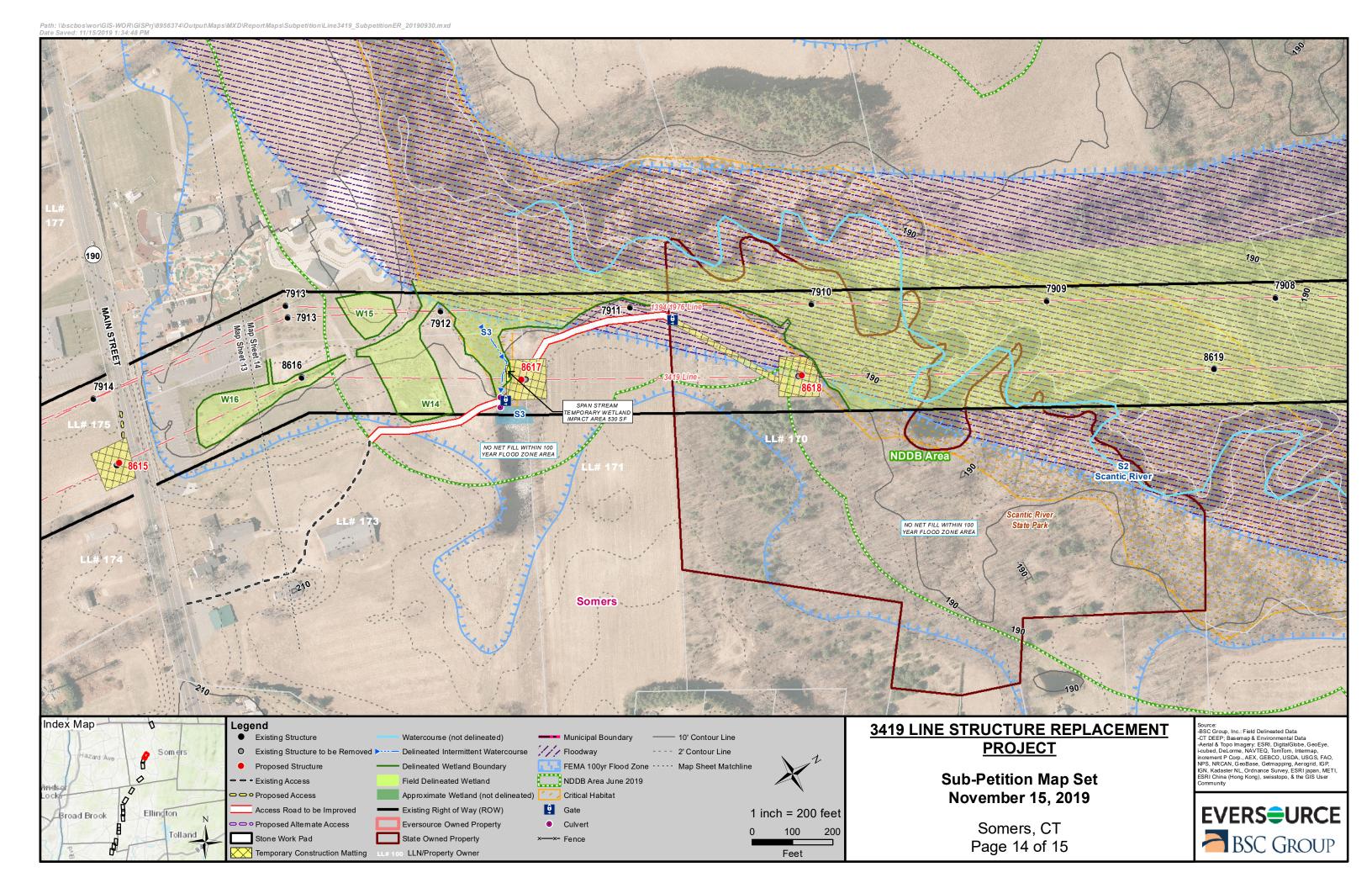
## 3419 Line Structure Replacement Project Map Sheet 13 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
177	DEPEAU CONTANCE, ALFRED & KENNETH CO-TR	314 MAIN ST	SOMERS	СТ	06071
179	GARDNER ARTHUR F & EILEEN M	39 HERITAGE DR	SOMERS	СТ	06071
175	DRIVING RANGE 349 MAIN STREET LLC	368 MAIN ST	SOMERS	СТ	06071
174	HASTINGS CATHY L	378 MAIN ST	SOMERS	СТ	06071
173	DRIVING RANGE 349 MAIN STREET LLC	379 MAIN ST	SOMERS	СТ	06071



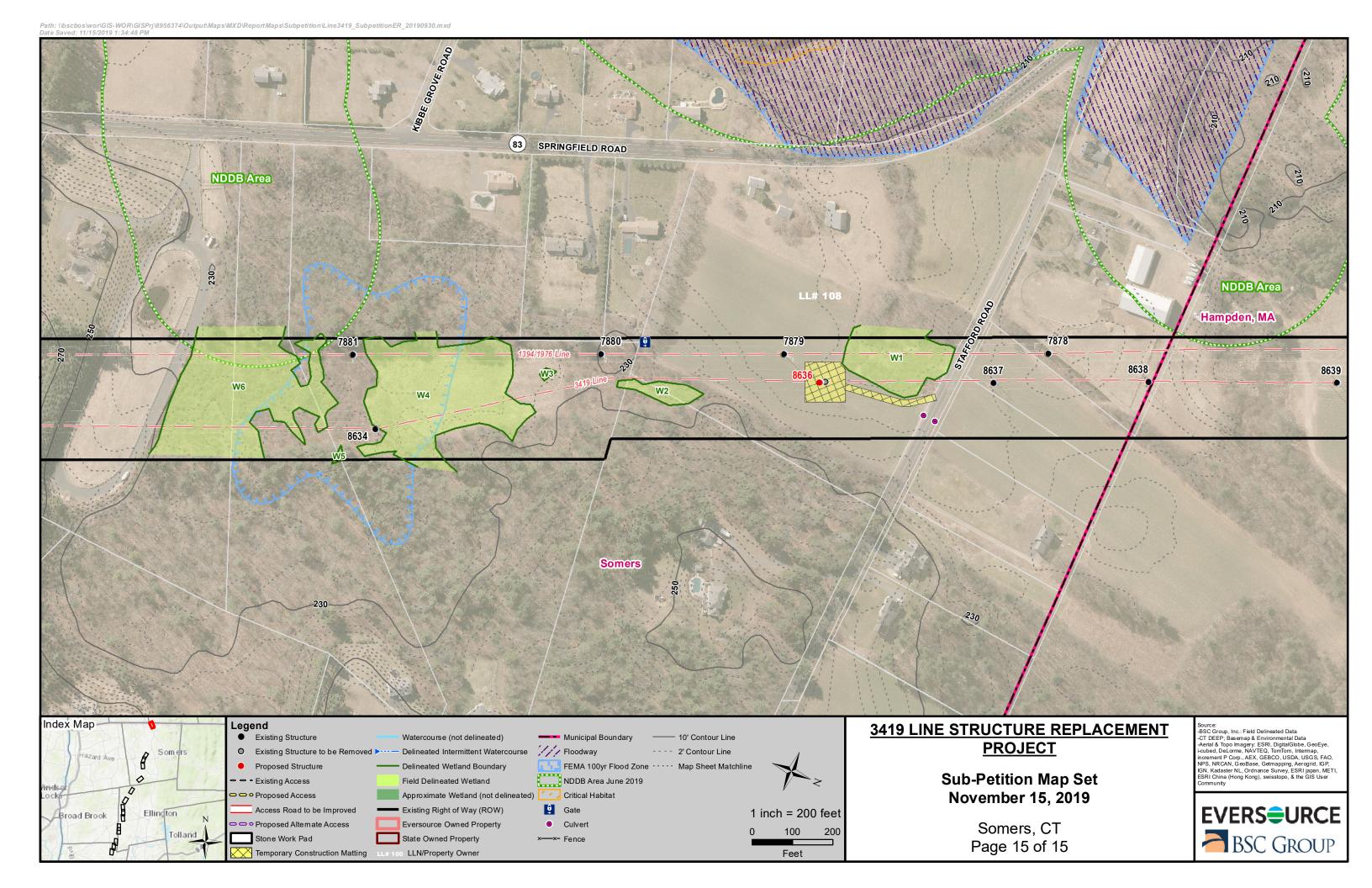
## 3419 Line Structure Replacement Project Map Sheet 14 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
177	DEPEAU CONTANCE, ALFRED & KENNETH CO-TR	314 MAIN ST	SOMERS	СТ	06071
175	DRIVING RANGE 349 MAIN STREET LLC	368 MAIN ST	SOMERS	СТ	06071
174	HASTINGS CATHY L	378 MAIN ST	SOMERS	СТ	06071
173	DRIVING RANGE 349 MAIN STREET LLC	379 MAIN ST	SOMERS	СТ	06071
171	DRIVING RANGE 349 MAIN STREET LLC	31 SOKOL RD	SOMERS	СТ	06071
170	CONNECTICUT STATE OF	95 SOKOL RD	SOMERS	СТ	06071



## 3419 Line Structure Replacement Project Map Sheet 15 Abutters List

<b>Line List Number</b>	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
108	HELIN DEBRA TRUSTEE OF THE AUDREY A	716 SPRINGFIELD RD	SOMERS	СТ	06071



# ATTACHMENT D ABUTTER LETTER AND PROOF OF NOTICE



November 20, 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 in South Windsor, East Windsor, Ellington, and Somers. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-SWEWES-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 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 <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 No. 1293-SWEWES-01 in your correspondence.

#### **Our Commitment to You**

We are committed to be 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:ProjectInfo@eversource.com">ProjectInfo@eversource.com</a>. Thank you.

Sincerely,

### Ciara Stage

Ciara Stage

Eversource Project Manager - Transmission Maintenance

#### 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 20, 2019, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-SWEWES-01 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipalities listed below and 30 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 Official:

Town of South Windsor The Honorable Michael Maniscalco, Town Manager 1540 Sullivan Avenue South Windsor, CT 06074

Town of East Windsor The Honorable Robert Maynard, First Selectman 11 Rye Street Broad Brook, CT 06016 Town of Ellington The Honorable Lori Spielman, First Selectwoman P.O. Box 187 Ellington, CT 06029

Town of Somers The Honorable C.G. Knorr, Jr., First Selectman 600 Main Street Somers, CT 06016

James L. Smith

Project Siting Specialist

On this the \_\_\_\_\_ day of November 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.

My Comn

FERNANDA MARIA BARROS

NOTARY PUBLIC. STATE OF CONNECTICUT
My Commission Expires September 30, 2022

Notary Public

My Commission expires: