



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

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

May 4, 2018

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

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

Dear Ms. Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-HCDREOS-01 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Haddam, Chester, Deep River, Essex, and Old Saybrook, Connecticut. The work includes replacing 20 existing wooden transmission structures with new weathering steel transmission structures.

Eversource notified the officials of the municipalities of Haddam, Chester, Deep River, Essex, and Old Saybrook of Eversource's submission of the Sub-Petition and sent copies of the Sub-Petition to owners of directly abutting properties (see Proof of Notice).

Enclosed please find an original and 3 copies of this filing.

Please contact me at 860-728-4527 if you have any questions regarding the enclosed Sub-Petition.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kathleen M. Shanley", written over a light blue grid background.

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: Haddam, Chester, Deep River, Essex and Old Saybrook

Sub-Petition No. 1293-HCDREOS-01

Project: 1261/1598 Transmission Line Structure Replacement Project

Structure Location: 20 Transmission Structures located in Haddam, Chester, Deep River, Essex and Old Saybrook, 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 1261/1598 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 1261/1598 Line between Smith Hill Road in Haddam and Bokum Road in Old Saybrook, Connecticut. The 1261/1598 Line, in its entirety, is a 115-kV transmission line that extends from Haddam Substation in Haddam to Bokum Substation in Old Saybrook, Connecticut. Of these replacements, 20 of the structures require slight increases 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 20 existing wood double circuit H-Frame structures with new weathering steel double circuit 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 some new temporary access roads and existing access roads, some of which will be improved. In the case of structures 6908B and 6933, Eversource would construct new permanent access roads by extending existing access roads (collectively the "Work Areas").
- b) Work Activities would result in ±6,931 square feet ("SF") of temporary wetland impacts limited to temporary construction matting required for the construction of an access road to structure 6883 and work pads for structures 6915, 6920A, 6980, and 6983. See table below for details.

Access Roads	Construction Work Pads	Square Footage of Temporary Wetland Impacts (SF)
Access to structure 6883		±160 SF
	Structure 6915	±3,065 SF
	Structure 6920A	±1,945 SF
	Structure 6980	±614 SF
	Structure 6983	±1,147 SF
		Total ±6,931 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 an existing access road to structure 6933. The work pad for structure 6933 is located beyond the vernal pool envelope and within a previously disturbed area. A wetland scientist from All-Points Technology Corp., P.C. has reviewed this Work Activity and determined that it will be located within a previously disturbed area associated with an existing access that affords suboptimal terrestrial habitat for obligate vernal pool herpetofauna. Therefore, it is not likely that an adverse impact to vernal pools will result from the proposed Work Activities.
- d) As a result of Eversource's review of the Connecticut Department of Energy and Environmental Protection's Natural Diversity Data Base ("NDDB"), only Work Areas associated with the access and work pad for structure 6983 is proposed within a NDDB buffered area and wetland jurisdictional area and therefore would be subject to a NDDB review request. Eversource is currently in consultation with Connecticut Department of Energy and Environmental Protection ("CTDEEP") regarding its proposed work in these areas and will adhere to any state-listed species protection measures recommended by CTDEEP, as necessary, and which will be incorporated into the Eversource's BMPs during construction. Work would be conducted in accordance with Eversource's BMPs to avoid and minimize impact to terrestrial habitats that may support rare species. 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 review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office revealed that no 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 soil profiles, 8 of the proposed work pad locations were identified to possess a potential for moderate to high archaeological sensitivity. These locations were evaluated in the field, by shovel test pit testing, and found to contain no physical evidence of archaeological significance.
- g) Increased heights of the 20 replacement structures would average approximately 8 feet and none will exceed 9 feet.
- h) Replacement structures would be located within 15 feet of existing structures.
- i) 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 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 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 will be mitigated with the use of temporary matting and adherence to the BMPs.
- Any NDDDB recommended rare species protective measures will be incorporated into the 's BMPs during construction.
- Eversource's contractor would perform construction sequencing such that any earth materials are exposed for a minimum of time before they are covered, seeded, or otherwise stabilized to prevent erosion.
- During construction, when necessary, anti-tracking mats would be installed at construction entrances onto public roads to prevent tracking of soil onto local streets.
- Upon completion of the Work Activities, all disturbed/exposed areas would be stabilized and revegetated. After the establishment of permanent ground cover, Eversource's contractor would remove the temporary E&S controls and remove/dispose of any accumulated sediments and debris from areas where such measures were used.

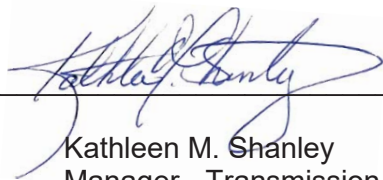
V. Access:

Some new access roads will be constructed to facilitate access to structures within the ROW and existing access roads may be hardened and temporarily widened at turning areas to facilitate the safe passage of construction vehicles. Temporary construction matting would be used in maintained lawn upland areas. The matting will be removed upon completion of the project and the areas restored.

Eversource would access the Work Areas by entering its ROW from existing access points on public roads as follows:

- Smith Hill Road for structures 6881, 6882, and 6883
- Deep Hollow Road for structures 6906B and 6908B
- Wig Hill Road for structures 6915, 6918 and 6920A
- Bokum Road for structures 6925 and 6926
- Bridge Street for structures 6933 and 6935
- Bridge Lane for structure 6936A
- Kelsey Hill Road for structure 6948
- Eagle Ridge Drive for structure 6961
- Bokum Road for structures 6977A, 6977B, 6979, 6980 and 6983

By:



Kathleen M. Shanley
Manager - Transmission Siting

ATTACHMENT B
PHOTOGRAPHS AND
PHOTO SIMULATION

Structure #6883



Split Pole

Woodpecker Damage

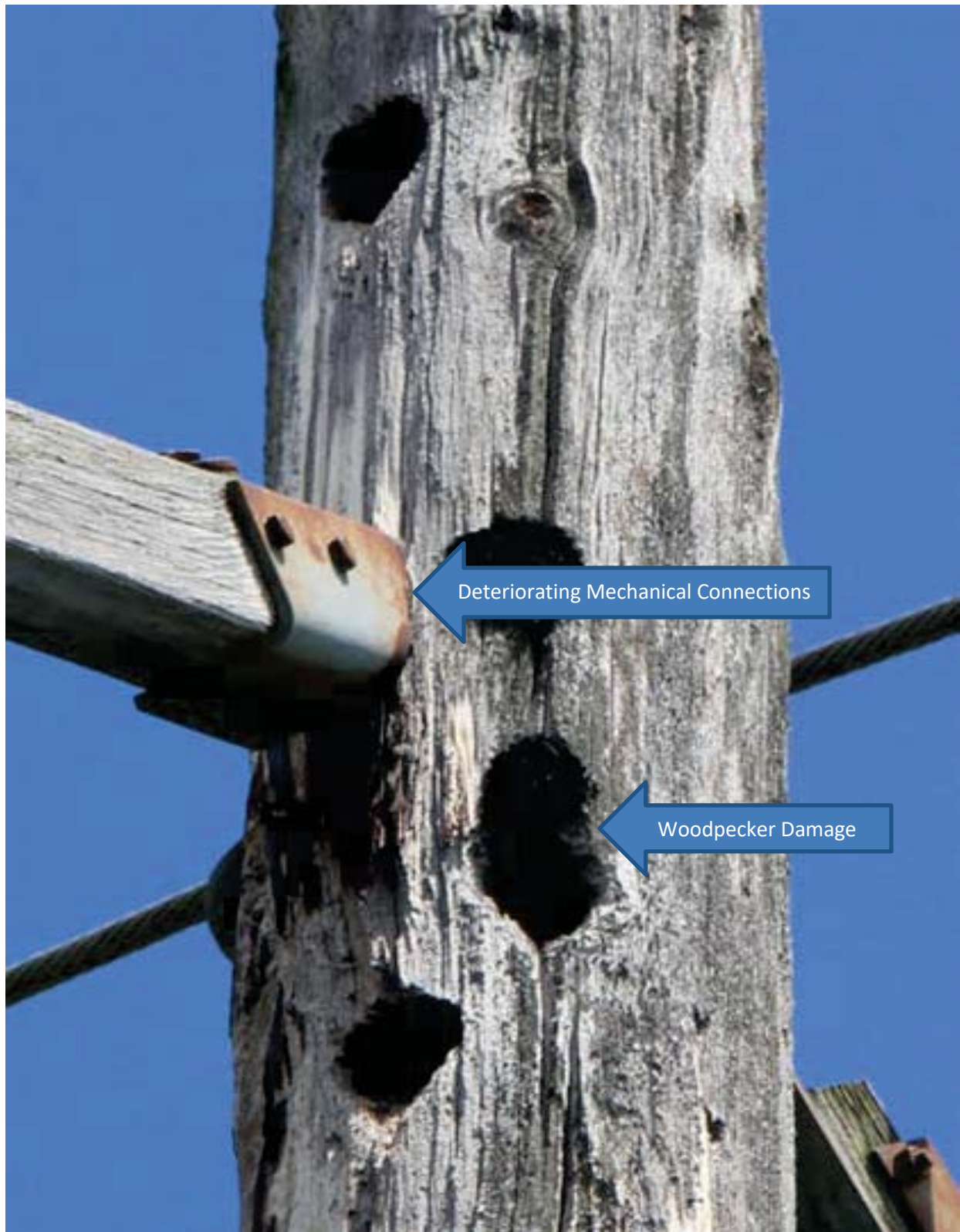
Structure #6906B



Structure #6918



Structure #6935





EXISTING

1261/1598 LINE
STRUCTURE 6935

LOCATION

WEST BRIDGE LANE - DEEP RIVER, CT

ORIENTATION

NORTHEAST





PROPOSED

1261/1598 LINE
STRUCTURE 6935

LOCATION

WEST BRIDGE LANE - DEEP RIVER, CT

ORIENTATION

NORTHEAST



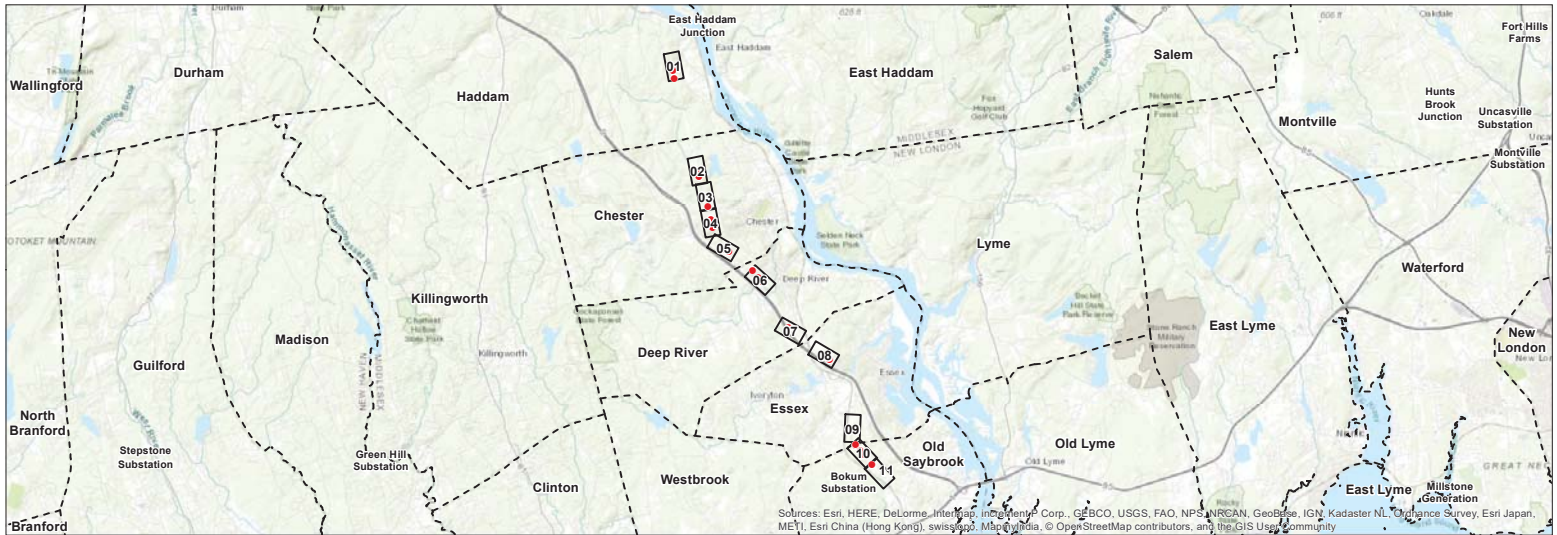
ATTACHMENT C

MAPS

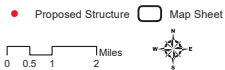
Haddam Substation to Bokum Substation
1261/1598 Line Maintenance Project

Haddam, Chester, Deep River, Essex, and Old Saybrook, CT
Sub-Petition Map Set

Date: May 02, 2018



Legend



PREPARED FOR:

EVERSOURCE
ENERGY

107 Selden Street
Berlin, CT 06037

INDEX OF FIGURES

Title Sheet / Index Map
Abutter Tables & Map Sheets

PREPARED BY:

ALL-POINTS
TECHNOLOGY CORPORATION
3 Saddlebrook Drive
Killingly, CT 06419

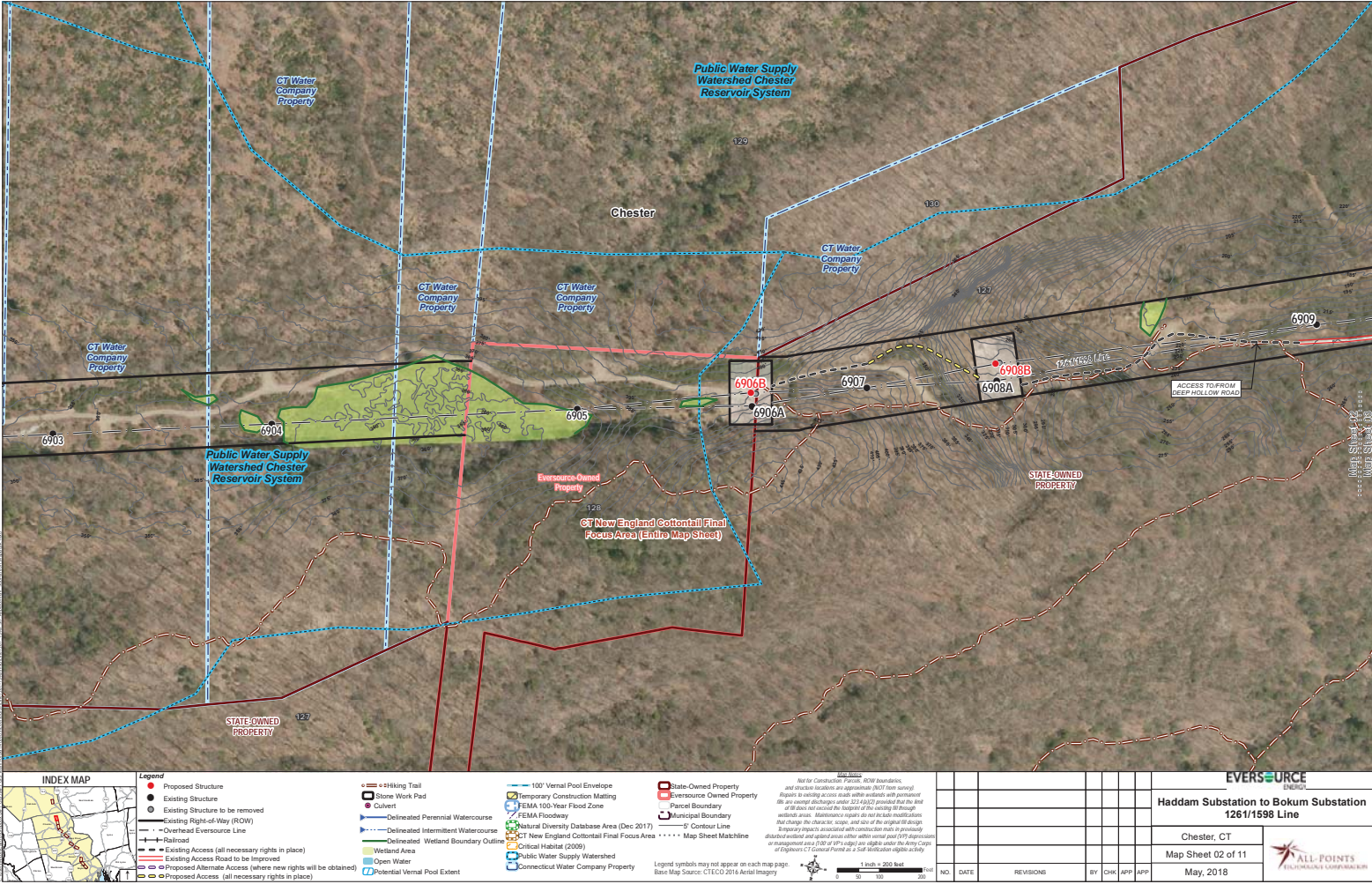
Map Sheet 01
Haddam Substation to Bokum Substation
1261/1598 Line Sub-Petition
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
102	SAYBROOK ROAD	HADDAM	CT	CHUMLEY LLC
108	28 NOVEMBER TRAIL	HADDAM	CT	ANDREW & SARAH GOWEN
109	36 NOVEMBER TRAIL	HADDAM	CT	FRANCIS J III & CAROL D BUCKLEY
110	1517 SAYBROOK ROAD	HADDAM	CT	THOMAS E & CAROL J ARMSTRONG
111	SAYBROOK ROAD	HADDAM	CT	STATE OF CONNECTICUT MUNICIPAL DIVISION, STATE FOREST
113	25 OLD HIGHWAY ROAD	HADDAM	CT	CHARLES A & ANNETTE M WAGGONER



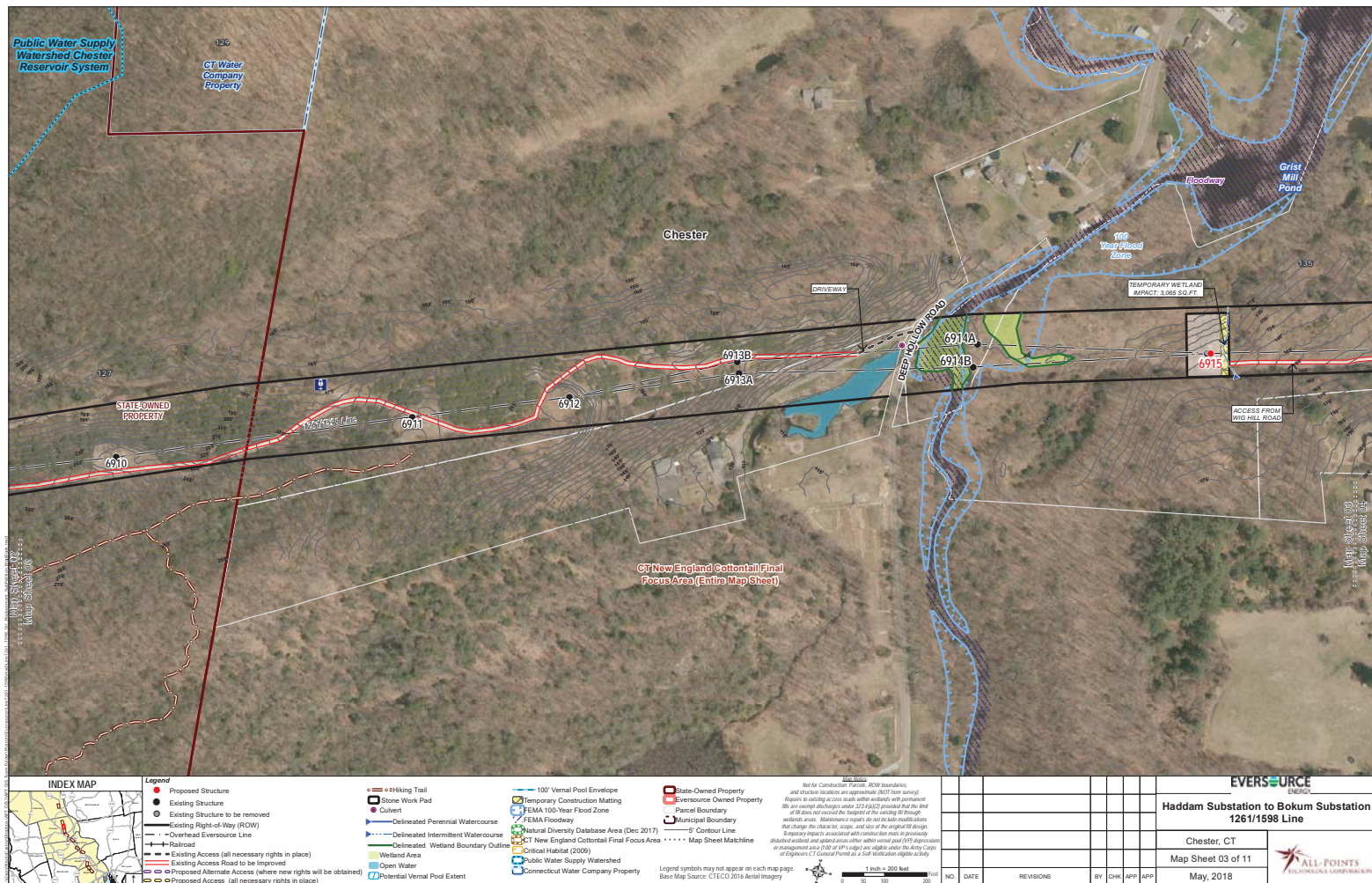
Map Sheet 02
Haddam Substation to Bokum Substation
1261/1598 Line Sub-Petition
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
127	DEEP HOLLOW ROAD	CHESTER	CT	STATE OF CONNECTICUT C/O DEPARTMENT OF ENVIRONMENTAL PROTCTION
128	DEEP HOLLOW ROAD	CHESTER	CT	ROCKY RIVER REALTY CO (EVERSOURCE)
129	73 GOOSE HILL ROAD	CHESTER	CT	CONNECTICUT WATER COMPANY
130	DEEP HOLLOW ROAD	CHESTER	CT	CONNECTICUT WATER COMPANY



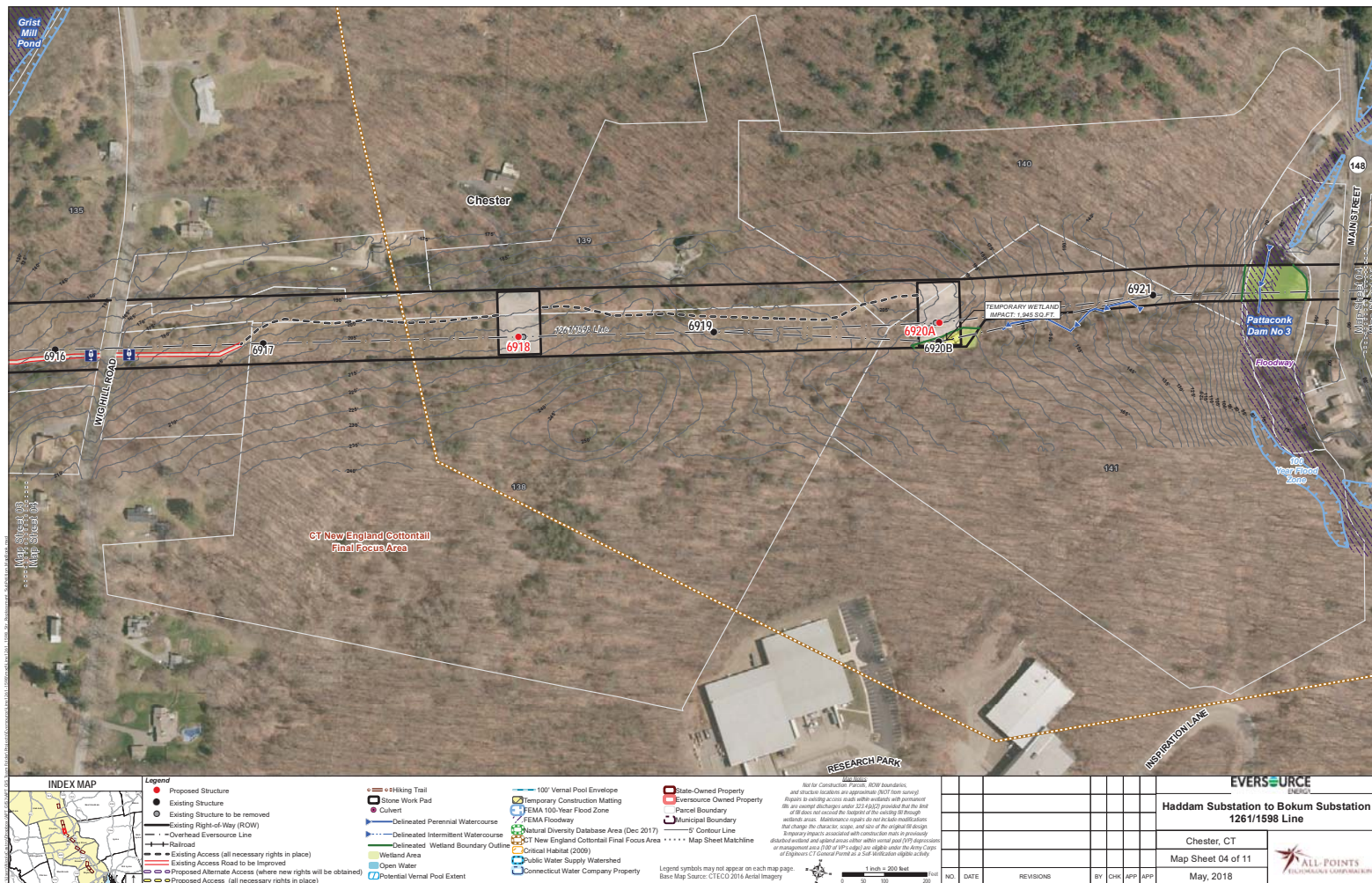
Map Sheet 03
Haddam Substation to Bokum Substation
1261/1598 Line Sub-Petition
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
127	DEEP HOLLOW ROAD	CHESTER	CT	STATE OF CONNECTICUT C/O DEPARTMENT OF ENVIRONMENTAL PROTCTION
129	73 GOOSE HILL ROAD	CHESTER	CT	CONNECTICUT WATER COMPANY
135	DEEP HOLLOW ROAD	CHESTER	CT	FRANK N & HELENE A FERRARI



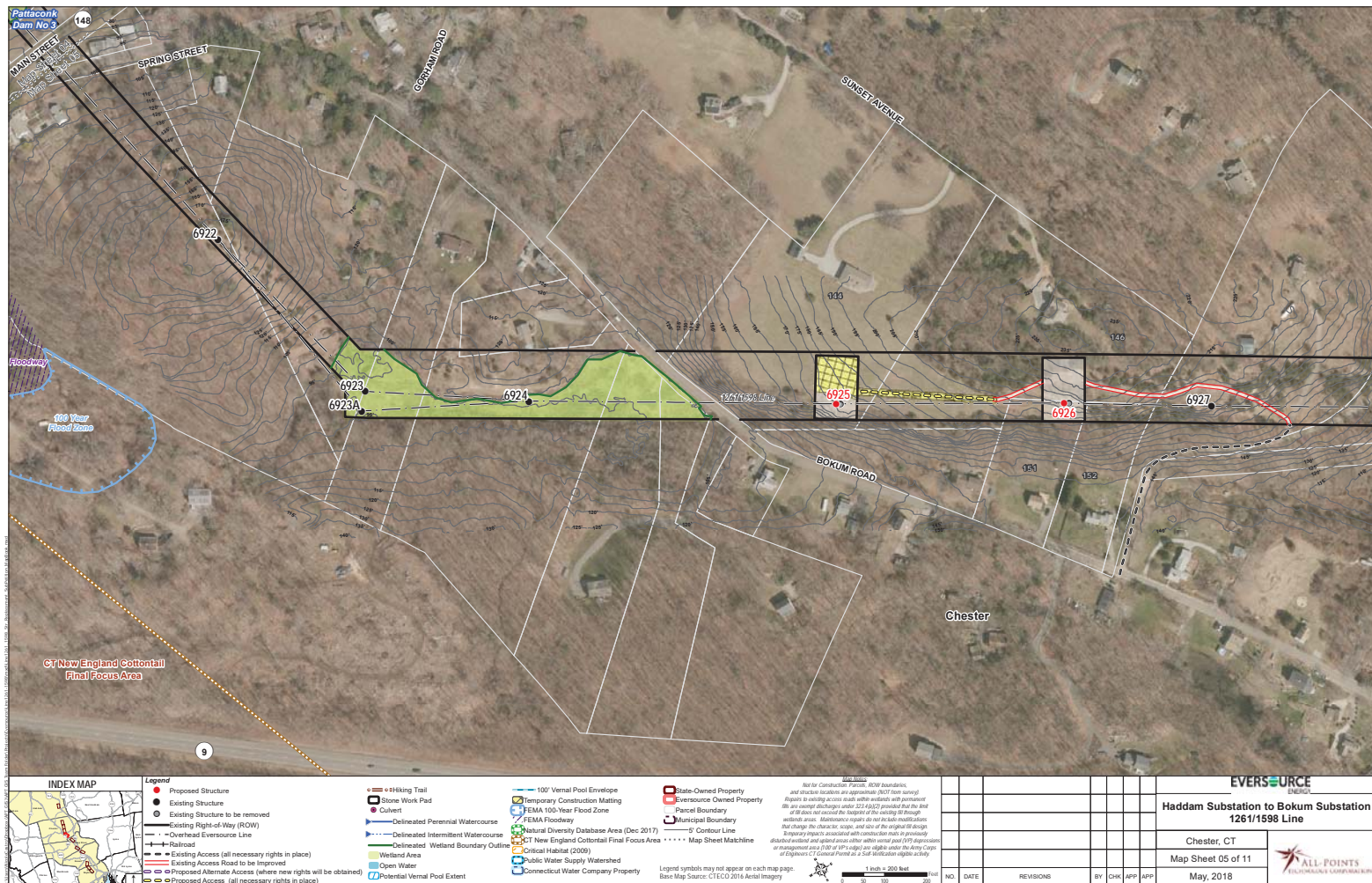
Map Sheet 04
Haddam Substation to Bokum Substation
1261/1598 Line Sub-Petition
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
135	DEEP HOLLOW ROAD	CHESTER	CT	FRANK N & HELENE A FERRARI
138	WIG HILL ROAD	CHESTER	CT	BRUCE H WATROUS & BETSEY A PASINELLA TRS
139	17 WIG HILL ROAD	CHESTER	CT	KAREN & ANDREW PERNA
140	W MAIN STREET	CHESTER	CT	DONNA R ZITO TRUSTEE
141	4 INSPIRATION LANE	CHESTER	CT	OHAUS MANAGEMENT GROUP INC



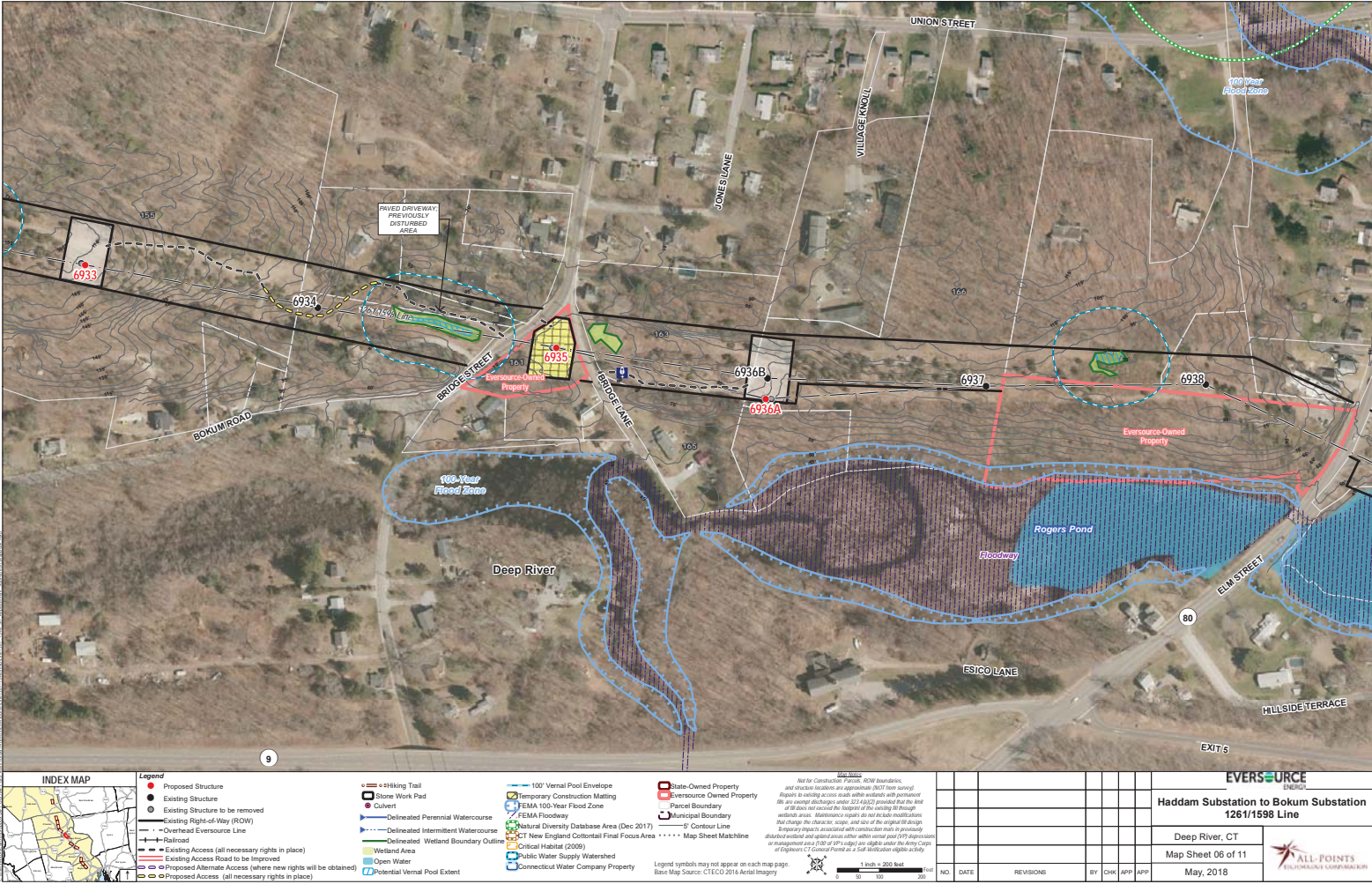
Map Sheet 05
Haddam Substation to Bokum Substation
1261/1598 Line Sub-Petition
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
144	15 SUNSET AVENUE	CHESTER	CT	ANDREE B & GEORGE D CRANE
146	19 SUNSET AVENUE	CHESTER	CT	KERRY & KURT SCRIVO
151	31 BOKUM ROAD	CHESTER	CT	CYNTHIA A FILACCHIONE
152	33 BOKUM ROAD	CHESTER	CT	STEVEN E & MARIE P HALL



Map Sheet 06
Haddam Substation to Bokum Substation
1261/1598 Line Sub-Petition
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
155	BOKUM ROAD	DEEP RIVER	CT	RICHARD J PYTLIK
161	WEST BRIDGE STREET	DEEP RIVER	CT	THE CONNECTICUT LIGHT & POWER COMPANY (EVERSOURCE)
163	95 WEST BRIDGE STREET	DEEP RIVER	CT	MAURA M CARVER
165	15 WEST BRIDGE LANE	DEEP RIVER	CT	THOMAS H BOWE
166	103 UNION STREET	DEEP RIVER	CT	MARGARET P EAGAN

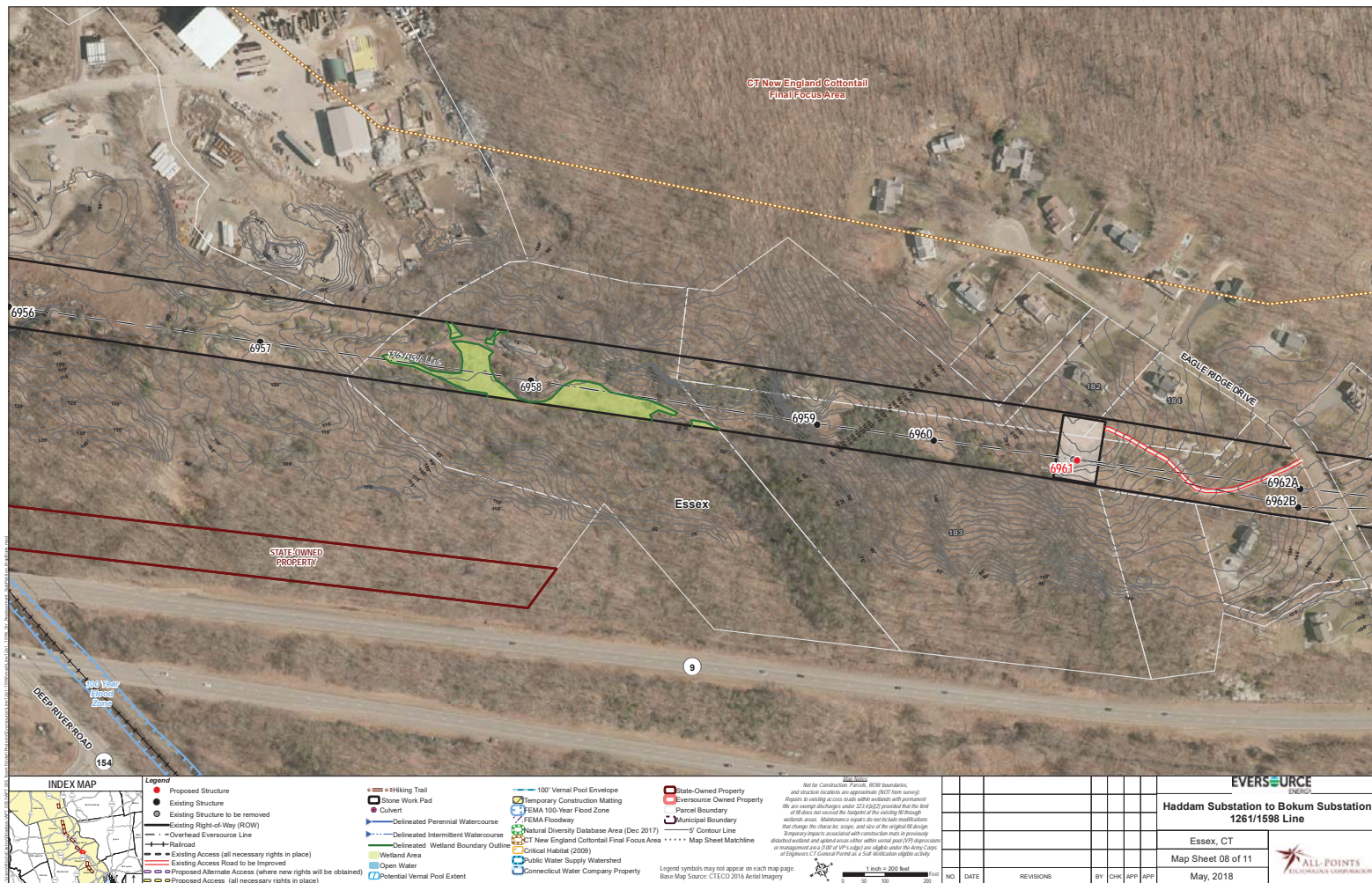


Map Sheet 07
Haddam Substation to Bokum Substation
1261/1598 Line Sub-Petition
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
172	22 KELSEY HILL ROAD	DEEP RIVER	CT	SEAN & JENNIFER SCOTT
173	44 KELSEY HILL ROAD	DEEP RIVER	CT	PIERRE FRITZGERALD JEAN

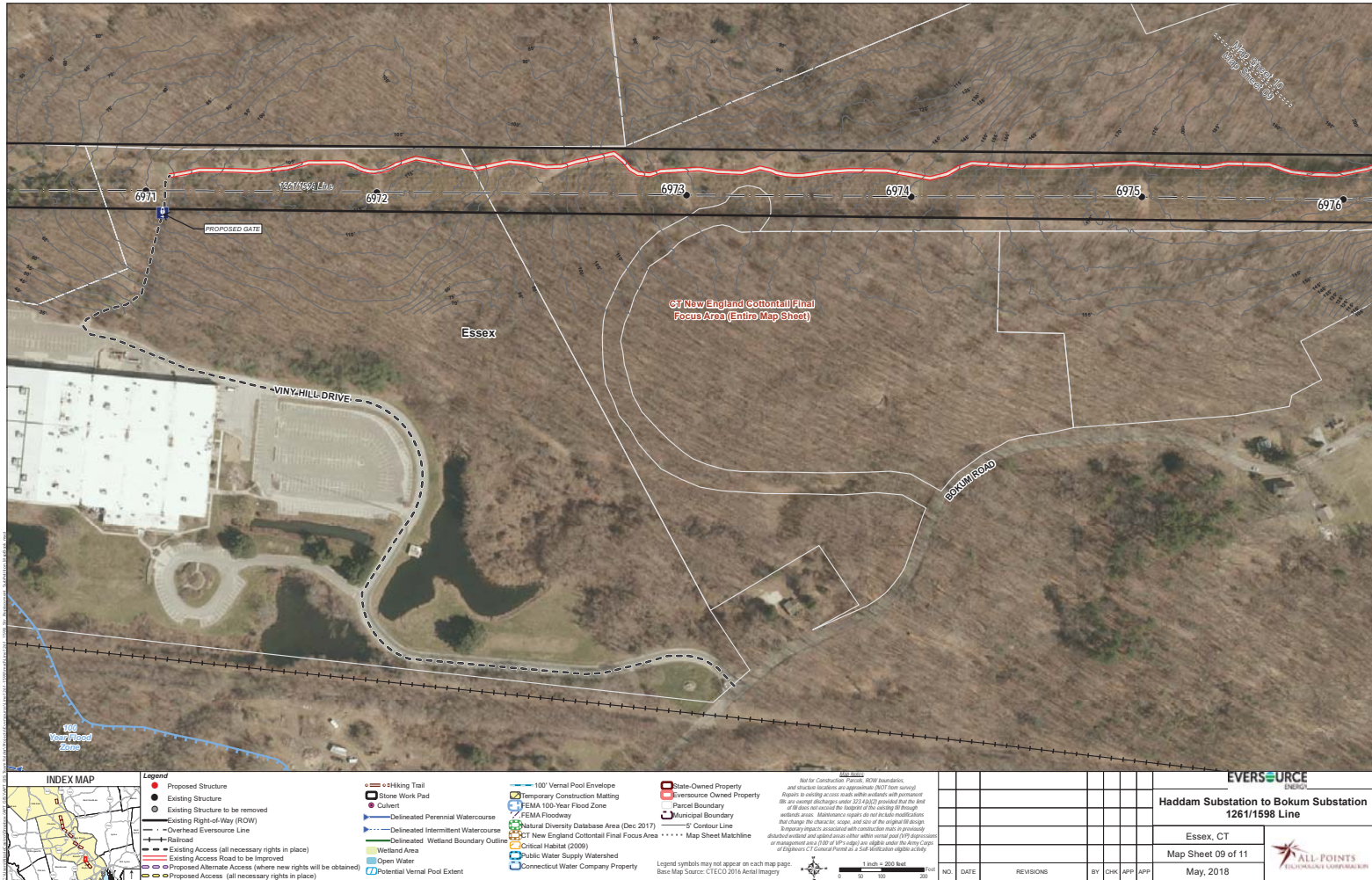
Map Sheet 08
Haddam Substation to Bokum Substation
1261/1598 Line Sub-Petition
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
182	34 EAGLE RIDGE DRIVE	ESSEX	CT	MICHELE L MARSHALL
183	EAGLE RIDGE DRIVE	ESSEX	CT	ESSEX LAND TRUST INC
184	32 EAGLE RIDGE DRIVE	ESSEX	CT	BOUNTHANH T & CHANMALY L OUTAMA



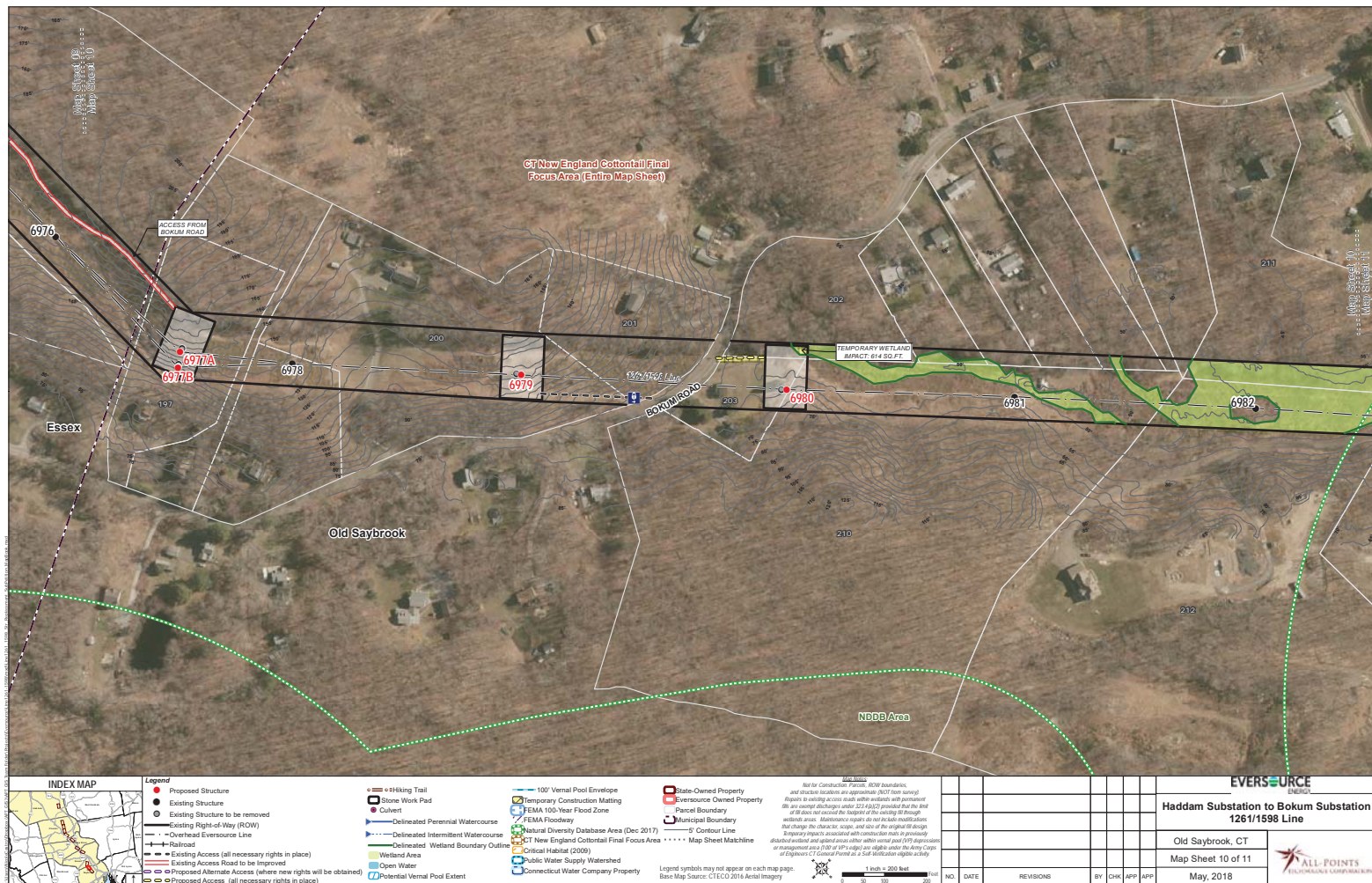
Map Sheet 09
Haddam Substation to Bokum Substation
1261/1598 Line Sub-Petition
Abutters List

No Abutters on Map Sheet



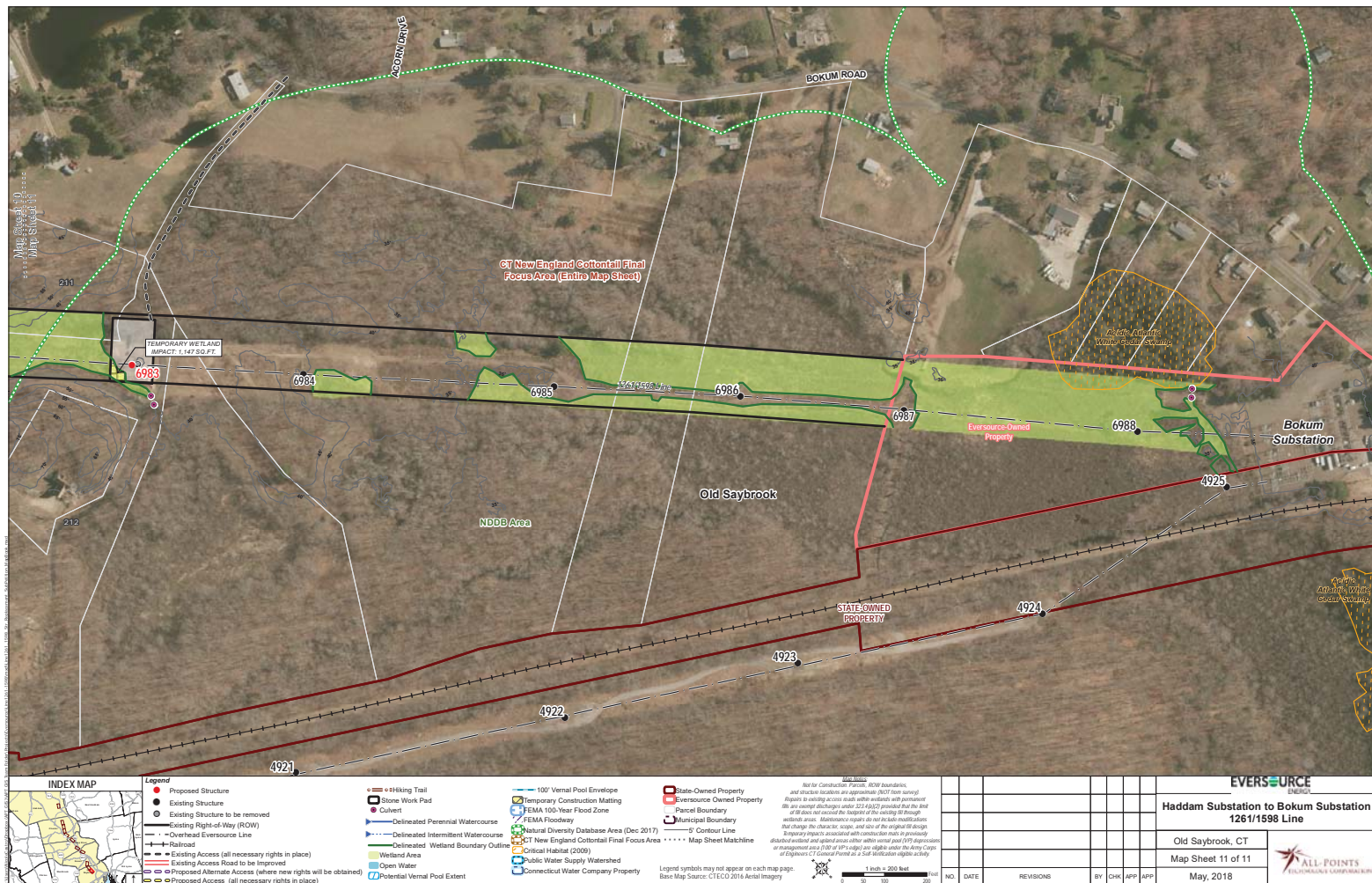
Map Sheet 10
Haddam Substation to Bokum Substation
1261/1598 Line Sub-Petition
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
197	194 BOKUM ROAD	OLD SAYBROOK	CT	GLENN MICHAEL & JUDITH LYNN RICE
200	186 BOKUM ROAD	OLD SAYBROOK	CT	JEFFREY T & DONNA L BAGNATI
201	164 BOKUM ROAD	OLD SAYBROOK	CT	KENNETH SENEAL
202	BOKUM ROAD	OLD SAYBROOK	CT	TOWN OF OLD SAYBROOK
203	161 BOKUM ROAD	OLD SAYBROOK	CT	MARK C & JAMIE E DOWALIBY
210	BOKUM ROAD	OLD SAYBROOK	CT	PIONTKOWSKI C F LLC ETAL C/O PAUL PIONTKOWSKI
211	129 BOKUM ROAD	OLD SAYBROOK	CT	THERESA L & WAYNE L MARTIN JR
212	107 BOKUM ROAD	OLD SAYBROOK	CT	MICHAEL A SPERA



Map Sheet 11
Haddam Substation to Bokum Substation
1261/1598 Line Sub-Petition
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
211	129 BOKUM ROAD	OLD SAYBROOK	CT	THERESA L & WAYNE L MARTIN JR
212	107 BOKUM ROAD	OLD SAYBROOK	CT	MICHAEL A SPERA



ATTACHMENT D
ABUTTER LETTER AND
PROOF OF NOTICE

May 4, 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 Haddam, Chester, Deep River, Essex, and Old Saybrook. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-HCDREOS-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-HCDREOS-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 May 04, 2018, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-HCDREOS-01 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipalities listed below and 35 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:

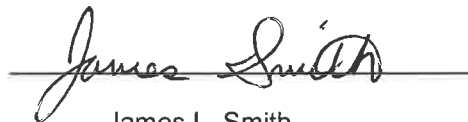
Town of Haddam
Lizz Milardo, First Selectman
Haddam Town Hall
30 Field Park Drive
Haddam, CT 06438

Town of Chester
Lauren Gister, First Selectman
Chester Town Hall
203 Middlesex Avenue
Chester, CT 06412

Town of Deep River
Angus L. McDonald, Jr., First Selectman
Deep River Town Hall
174 Main Street
Deep River, CT 06417

Town of Essex
Norman Neddleman, First Selectman
Essex Town Hall
29 West Avenue
Essex, CT 06426

Town of Old Saybrook
Carl P. Fortuna, Jr., First Selectman
Old Saybrook Town Hall
302 Main Street
Old Saybrook, CT 06475



James L. Smith
Project Siting Specialist

On this the 4th day of May, 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