

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

March 5, 2021

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

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

Dear Attorney Bachman:

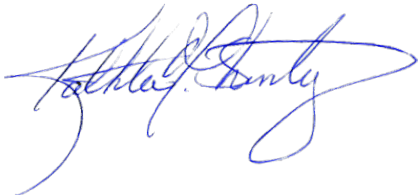
The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No. 1293-ELW-01 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in East Lyme and Waterford, Connecticut. The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

Eversource notified the officials of the municipalities of East Lyme and Waterford 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,



Enclosures

Attachments:
Exhibit A: Sub-Petition
Exhibit B: Photographs and Cross Section
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: East Lyme and Waterford

Sub-Petition 1293-ELW-01

Project: 1500/1617/1605 Transmission Lines Structure Replacement Project

Structure Locations: Nine Transmission Line Structures located in East Lyme and Waterford, 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 1500/1617/1605 Transmission Lines 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 conditions, some structures require replacement on the 1500/1617/1605 Lines between a location just north of Interstate 95 in East Lyme and a location just east of Vauxhall Street Extension in Waterford. The 1500 Line, in its entirety, is a 115-kilovolt line that extends from Montville Substation in Montville to Flanders Substation in East Lyme to Williams Street Substation in New London. The 1617 Line, in its entirety, is a 115-kilovolt line that extends from Waterford Substation in Waterford to Flanders Substation. The 1605 Line, in its entirety, is a 115-kilovolt line that extends from Montville Substation to Williams Substation to Waterford Substation. The nine replacement structures will each require an increase in structure height to comply with current clearance requirements.

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 eight existing wood single-pole angle structures, 6068, 6068A, 6060, 6060A, 6054, 6054A, 6041 and 6041A with new weathering steel single-pole angle structures.
- Replace one three-pole wood H-frame structure, 6038, with a new weathering steel three-pole angle structure.

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 and existing right-of-way ("ROW") utilizing existing 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) The Work Activities would result in approximately 10,240 square feet ("SF") of temporary wetland impacts from the temporary use of matting required for the construction of a work pad at Structures 6041 and 6041A.

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 ("NDDDB"), no Work Areas are proposed within a NDDDB buffered area and wetland jurisdictional area and/or CTDEEP owned/managed land. Therefore, the Work Areas would not be subject to an NDDDB 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 or archeological sites within 500 feet of the Work Areas. Based on a review of historic maps, aerial photographs, and available soil profiles, three of the proposed work pad locations were identified to possess a potential for moderate to high archaeological sensitivity. Based on the results of a pedestrian survey, the locations retained the initial archaeological sensitivity assessment of moderate to high. Heritage completed a Phase 1B cultural resources survey (shovel pit testing) at these locations and found no physical evidence of archaeological significance; therefore, Heritage advised that no further examination is recommended or warranted.
- g) Increases in the heights of the nine replacement structures will average approximately seven feet above ground level and none will exceed nine feet.
- h) There are no 100-year flood zones in the Work Areas.
- 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 (“E&S”) controls 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.
- 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:

No new permanent access roads would be constructed to facilitate access to structures within the ROW; however, existing access roads in upland areas may be hardened and widened at turning areas to facilitate the safe passage of construction vehicles.

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


East Lyme

- Interstate 95 South, Exit 75 off-ramp for Structures 6068 and 6068A

Waterford

- Hartford Turnpike for Structures 6060, 6060A, 6054 and 6054A
- Vaux Hall Street Extension for Structures 6041, 6041A and 6038

By:



Kathleen M. Shanley
Manager - Transmission Siting

ATTACHMENT B
PHOTOGRAPHS
AND
TYPICAL CROSS SECTION

Structure #6068



Structure #6060A

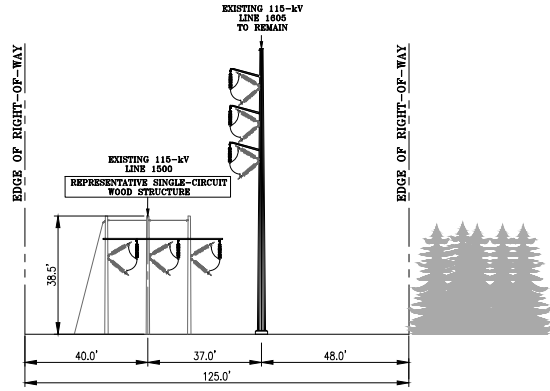


Structure #6041A

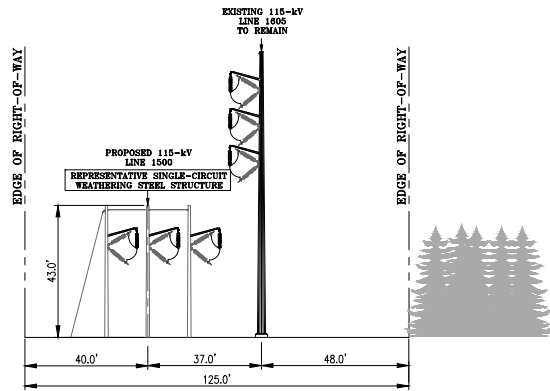


Structure #6038





**EXISTING R.O.W. CONFIGURATION
LOOKING FROM FLANDERS JUNCTION TO COHANZIE JUNCTION
STR. #6038**



**PROPOSED R.O.W. CONFIGURATION
NO ADDITIONAL RIGHT-OF-WAY REQUIRED
LOOKING FROM FLANDERS JUNCTION TO COHANZIE JUNCTION
STR. #6038**

NOTE:
LINE ARRESTERS TO BE
ADDED AS REQUIRED



COHANZIE JCT - FLANDERS JCT 115-kV TRANSMISSION LINE RIGHT OF WAY CROSS SECTION WATERFORD, CT			
BY	TNG	DATE	APP
DATE	02/20/2021	DATE	DATE
BY-SCALE	N.T.S.	DATE	FIELD BOOK # PAGES
BY-SCALE	N.T.S.	DATE	REV. DATE
REV. PROJ. NUMBER	TPC01301 & TPC01302	DATE	DATE

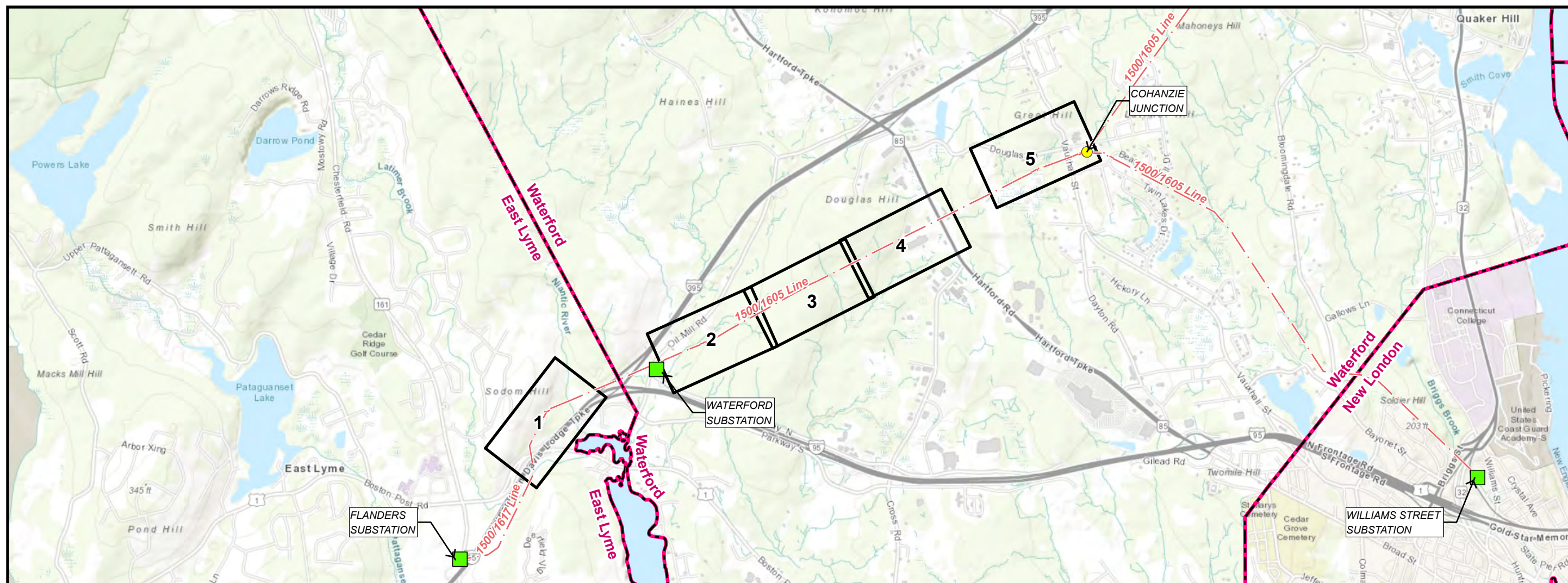
ATTACHMENT C

MAPS

1500/1617/1605 Lines - Structure Replacement Project

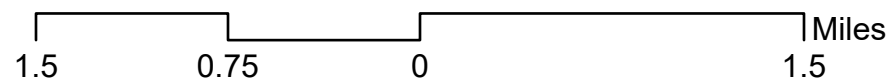
East Lyme and Waterford, CT
Sub-Petition Map Set

February 23, 2021



LEGEND

- Substation
- Junction
- Overhead Eversource Line
- Map Sheet
- Municipal Boundary



INDEX OF FIGURES

T1 - Title Sheet
Map Sheet 1-5 & Abutter's Table



PREPARED FOR:



107 Selden Street
Berlin, CT 06037

PREPARED BY:

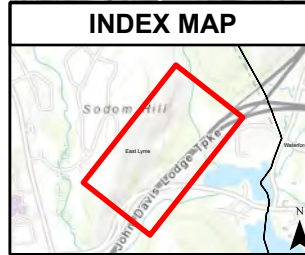
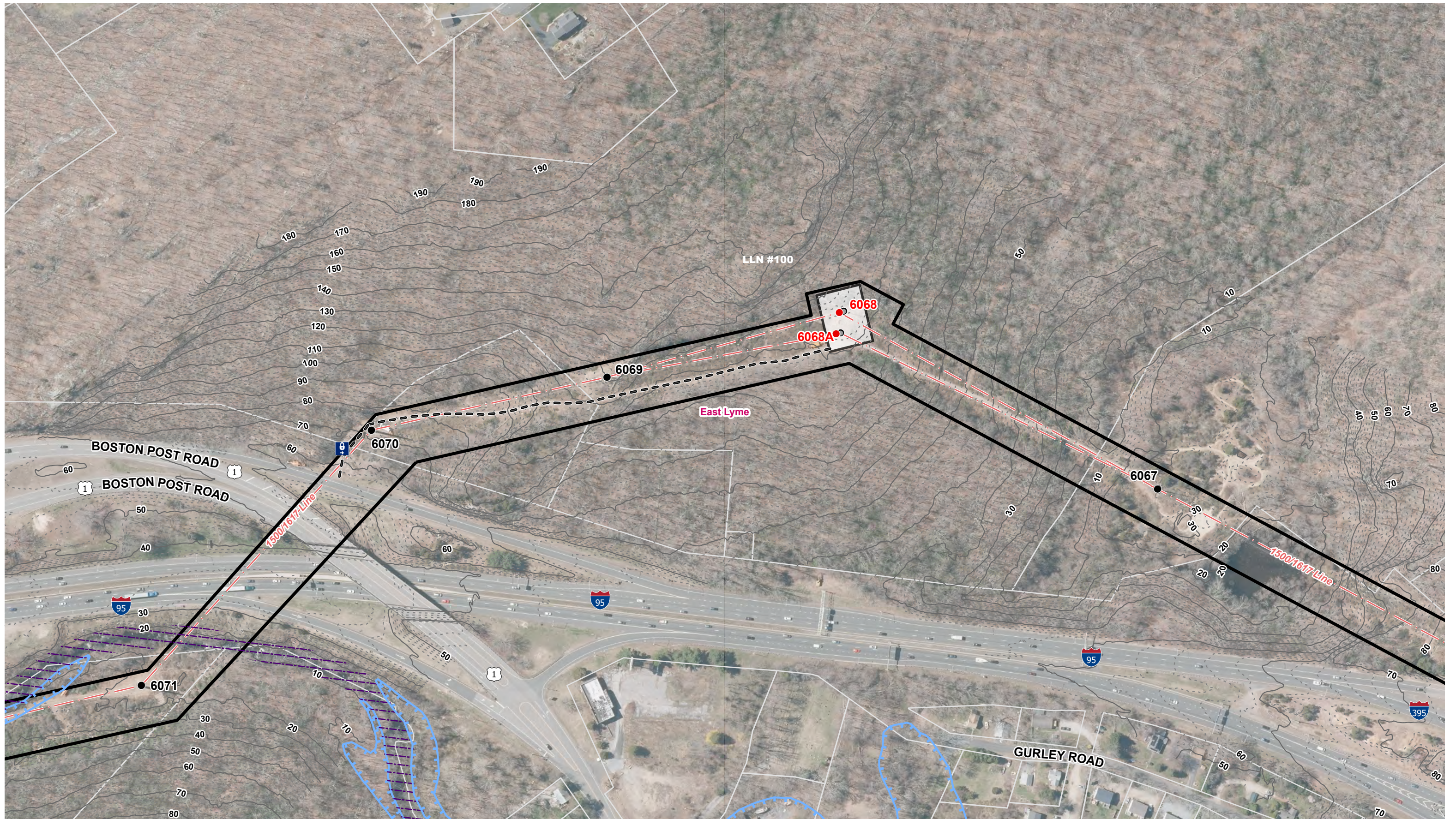


100 Great Meadow Road
Suite 200
Wethersfield, CT 06109

1500/1617/1605 Lines - Structure Replacement Project

Map Sheet 01 Abutter's Table

Line List Number	Owner First Name	Owner Last Name	Parcel Address	Town	State
100	New England Forestry Foundation Inc	N/A	Goldfinch Drive	East Lyme	CT



Legend	
● Proposed Structure	— Delineated Wetland Boundary Outline
● Existing Structure	— Delineated Perennial Watercourse
○ Existing Structure to be Removed	— Delineated Intermittent Watercourse
— Existing Right-of-Way (ROW)	— Field Delineated Wetland
— Overhead Eversource Line	— Open Water
— Existing Access	— Stone Work Pad
— Proposed Alternative Access	— Temporary Construction Matting
Gate	— 10' Contour Line
FEMA 100-Year Flood Zone	— 2' Contour Line
Floodway	— Parcel Boundary
Stonewall	— Eversource Owned Property
Map Sheet Match Line	— Municipal Boundary
Culvert	

Base Map Source: 2019 Aerial Imagery (CTDEP)

1 Inch = 200 feet

0 100 200 Feet

EVERSOURCE ENERGY

1500/1617/1605 Lines- Structure Replacement Project

Date: February 23, 2021

East Lyme, CT

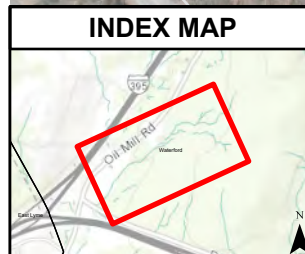
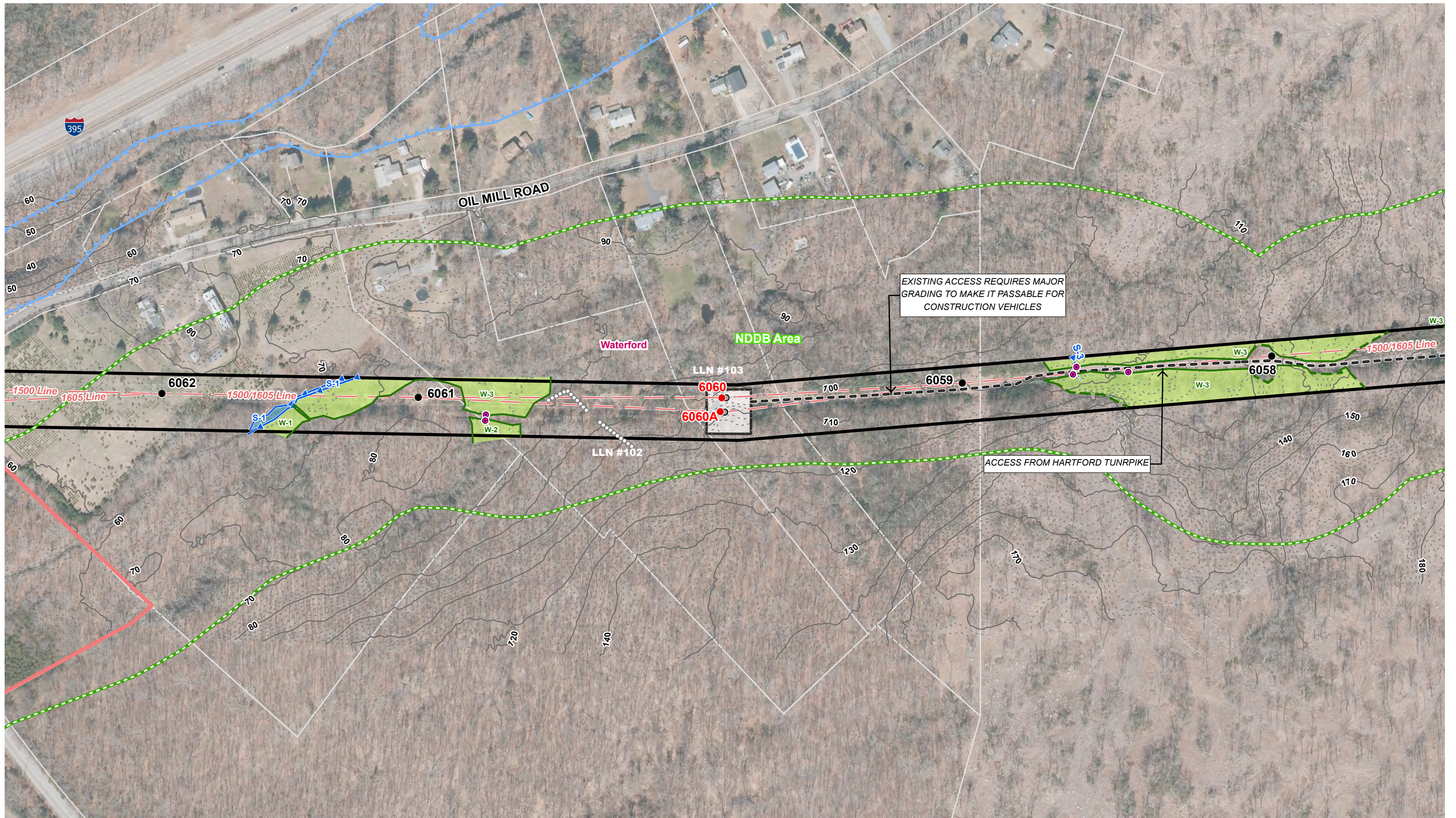
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Map Sheet 1 of 5

1500/1617/1605 Lines - Structure Replacement Project

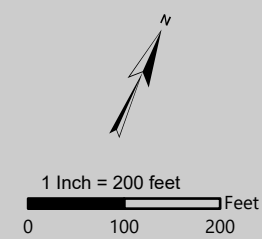
Map Sheet 02 Abutter's Table

Line List Number	Owner First Name	Owner Last Name	Parcel Address	Town	State
102	Amy E	Cambell	87 Oil Mill Road	Waterford	CT
103	John A & Bertha	Dewolf	97 Oil Mill Rd	Waterford	CT



Legend	
● Proposed Structure	— Delineated Wetland Boundary Outline
● Existing Structure	— Delineated Perennial Watercourse
○ Existing Structure to be Removed	— Delineated Intermittent Watercourse
— Existing Right-of-Way (ROW)	■ Field Delineated Wetland
— Overhead Eversource Line	■ Open Water
— Existing Access	■ Stone Work Pad
— Proposed Alternative Access	■ Temporary Construction Matting
■ Gate	■ FEMA 100-Year Flood Zone
■ Floodway	— 10' Contour Line
○ Stonewall	— 2' Contour Line
— Map Sheet Match Line	— Parcel Boundary
● Culvert	— Eversource Owned Property
	— Municipal Boundary

Base Map Source: 2019 Aerial Imagery (CTDEP)



EVERSOURCE ENERGY

1500/1617/1605 Lines- Structure Replacement Project

Date: February 23, 2021

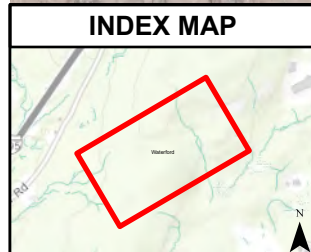
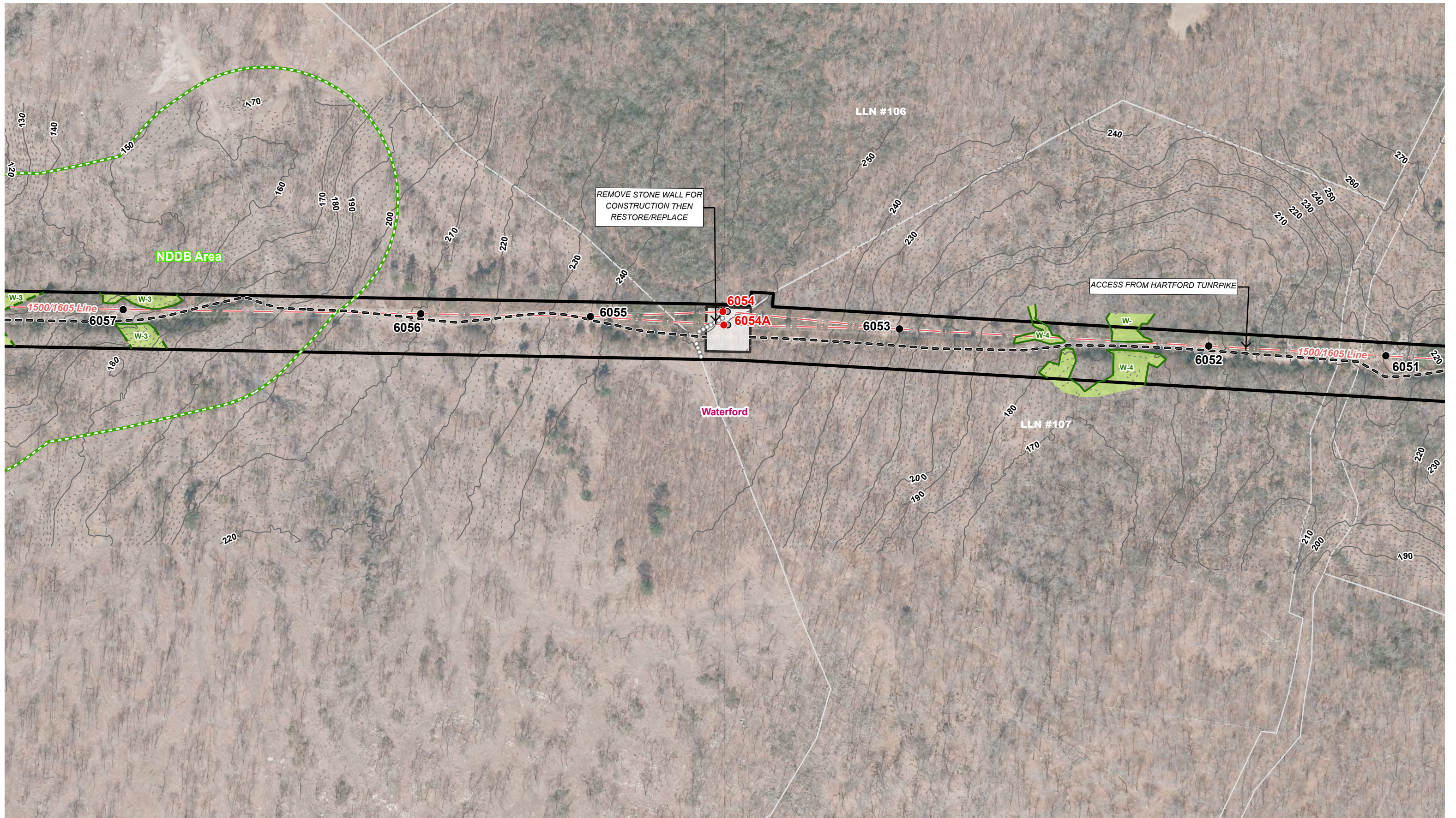
Waterford, CT

Map Sheet 2 of 5

1500/1617/1605 Lines - Structure Replacement Project

Map Sheet 03 Abutter's Table

Line List Number	Owner First Name	Owner Last Name	Parcel Address	Town	State
106	Angioletto LLC	N/A	45 Fargo Road	Waterford	CT
107	Victor B & Koos Kenneth J	Hallberg	70 Clam Lane	Waterford	CT



Legend	
● Proposed Structure	— Delineated Wetland Boundary Outline
● Existing Structure	— Delineated Perennial Watercourse
○ Existing Structure to be Removed	— Delineated Intermittent Watercourse
— Existing Right-of-Way (ROW)	■ Field Delineated Wetland
— Overhead Eversource Line	■ Open Water
— Existing Access	■ Stone Work Pad
— Proposed Alternative Access	■ Temporary Construction Matting
■ Gate	— 10' Contour Line
■ FEMA 100-Year Flood Zone	— 2' Contour Line
■ Floodway	■ Parcel Boundary
○ Stonewall	■ Eversource Owned Property
— Map Sheet Match Line	■ Municipal Boundary
● Culvert	

Base Map Source: 2019 Aerial Imagery (CTDEP)
 1 Inch = 200 feet
 0 100 200 Feet

EVERSOURCE ENERGY

1500/1617/1605 Lines- Structure Replacement Project

Date: February 23, 2021

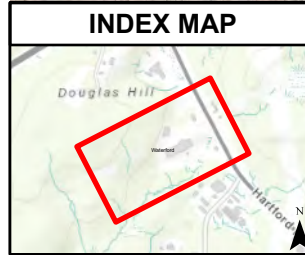
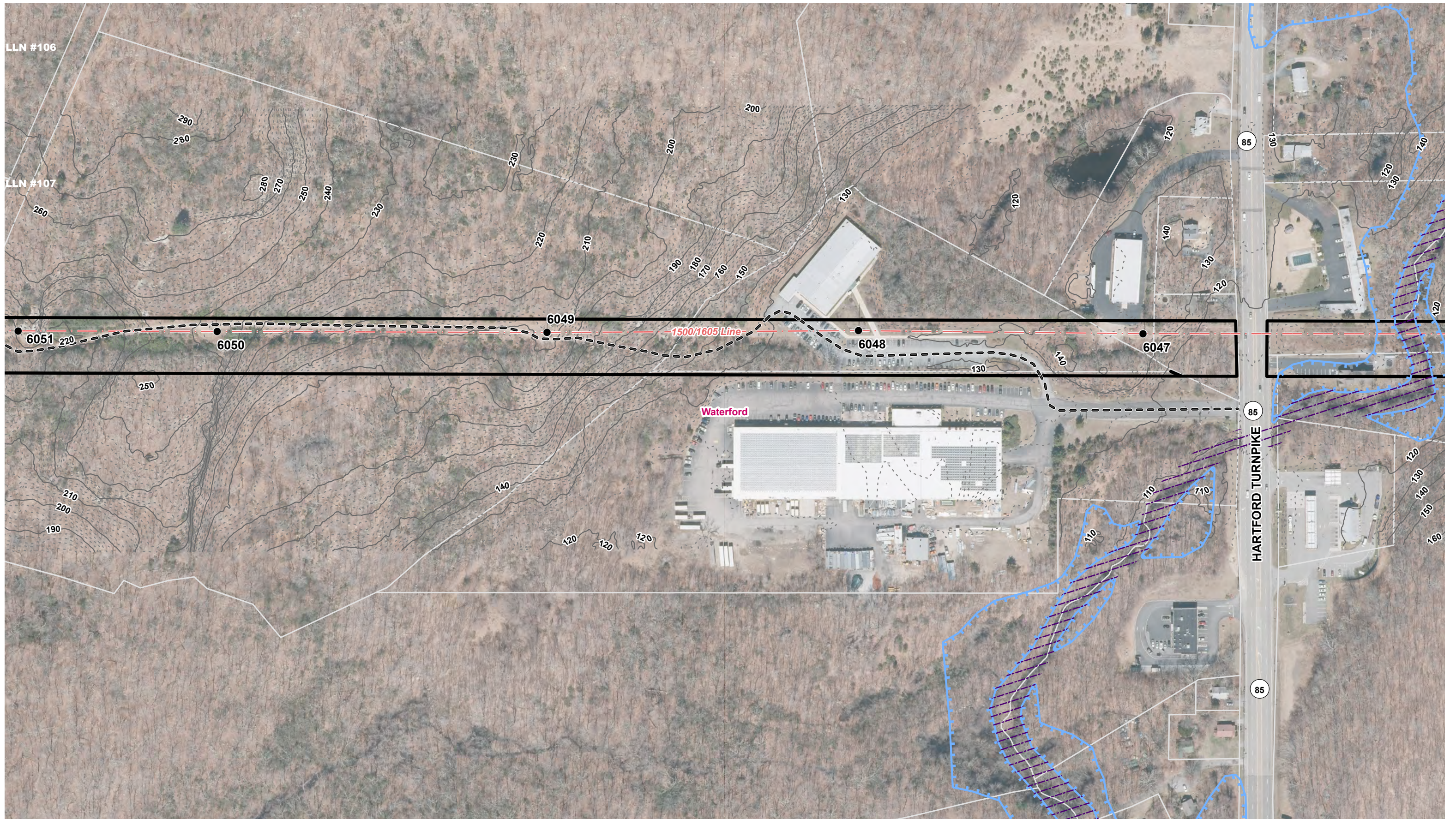
Waterford, CT

Map Sheet 3 of 5

1500/1617/1605 Lines - Structure Replacement Project

Map Sheet 04 Abutter's Table

Line List Number	Owner First Name	Owner Last Name	Parcel Address	Town	State
106	Angioletto LLC	N/A	45 Fargo Road	Waterford	CT
107	Victor B & Koos Kenneth J	Hallberg	70 Clam Lane	Waterford	CT



Legend	
● Proposed Structure	— Delineated Wetland Boundary Outline
● Existing Structure	— Delineated Perennial Watercourse
○ Existing Structure to be Removed	— Delineated Intermittent Watercourse
— Existing Right-of-Way (ROW)	— Field Delineated Wetland
— Overhead Eversource Line	— Open Water
— Existing Access	— Stone Work Pad
— Proposed Alternative Access	— Temporary Construction Matting
— Gate	— FEMA 100-Year Flood Zone
— Floodway	— Stonewall
— Culvert	— Map Sheet Match Line
— 10' Contour Line	— 2' Contour Line
— Parcel Boundary	— Eversource Owned Property
— Municipal Boundary	

Base Map Source:
2019 Aerial Imagery (CTDEP)

1 Inch = 200 feet

0 100 200 Feet

EVERSOURCE ENERGY

1500/1617/1605 Lines- Structure Replacement Project

Date: February 23, 2021

Waterford, CT

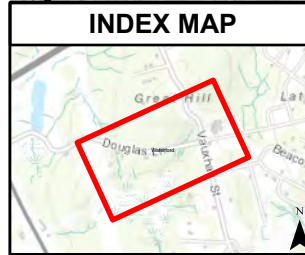
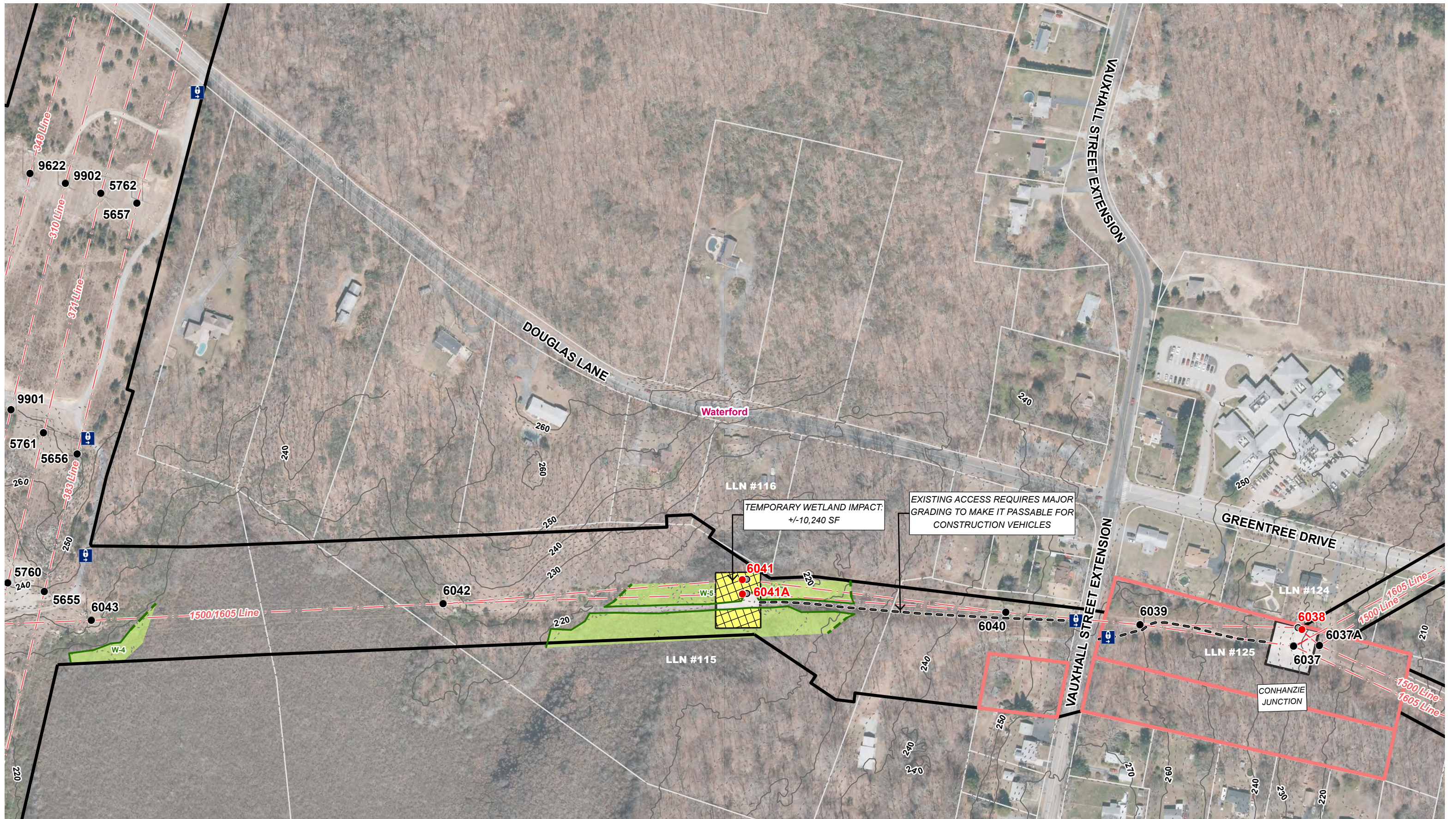
vhb

Map Sheet 4 of 5

1500/1617/1605 Lines - Structure Replacement Project

Map Sheet 05 Abutter's Table

Line List Number	Owner First Name	Owner Last Name	Parcel Address	Town	State
115	Waterford Land Trust Inc	N/A	65 Douglas Lane	Waterford	CT
116	Gregory P	Rice	61 Douglas Lane	Waterford	CT
124	Anthony	Tomon	5 Greentree Drive	Waterford	CT
125	Connecticut Light & Power	N/A	819 Vauxhall St Ext	Waterford	CT



Legend	
● Proposed Structure	— Delineated Wetland Boundary Outline
● Existing Structure	— Delineated Perennial Watercourse
○ Existing Structure to be Removed	— Delineated Intermittent Watercourse
— Existing Right-of-Way (ROW)	■ Field Delineated Wetland
— Overhead Eversource Line	■ Open Water
— Existing Access	■ Stone Work Pad
— Proposed Alternative Access	■ Temporary Construction Matting
■ Gate	■ FEMA 100-Year Flood Zone
■ Floodway	— Stonewall
— Map Sheet Match Line	● Culvert
— 10' Contour Line	— 2' Contour Line
— Parcel Boundary	■ Eversource Owned Property
— Municipal Boundary	

EVERSOURCE ENERGY

1500/1617/1605 Lines- Structure Replacement Project

Date: February 23, 2021

Waterford, CT

Map Sheet 5 of 5

1 Inch = 200 feet
0 100 200 Feet

Base Map Source: 2019 Aerial Imagery (CTDEP)

ATTACHMENT D
ABUTTER LETTER AND
PROOF OF NOTICE

March 5, 2021

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 rights-of-way in East Lyme and Waterford. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-ELW-01 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 area.

As part of this project, we are proposing to replace wood structures due to structure age, weather, and/or woodpecker activity. The new weathering steel structures will comply with current clearance requirements and 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-ELW-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 ProjectInfo@eversource.com. Thank you.

Sincerely,

Devleena Ghosh-Brower

Devleena Ghosh-Brower
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 March 5, 2021, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-ELW-01 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipalities listed below and 8 abutters. The notice of the proposed maintenance activities states that comments or concerns regarding the maintenance activities described in the Sub-Petition should be submitted to the Council within 30 days of the date of such notice.

Municipal Officials:

Town of East Lyme, CT
Mark Nickerson, First Selectman
108 Pennsylvania Avenue
Niantic, CT 06357

Town of Waterford, CT
Robert Brule, First Selectman
15 Rope Ferry Road
Waterford, CT 06385



James L. Smith
Project Siting Specialist

On this the 5th day of March, 2021, 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