

March 5, 2021

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

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

Dear Attorney Bachman:

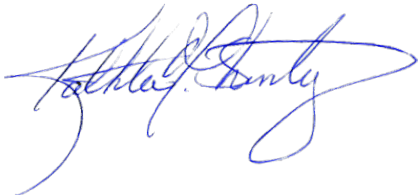
The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No. 1293-LFB-01 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Lebanon, Franklin and Bozrah, Connecticut.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

Eversource notified the officials of the municipalities of Lebanon, Franklin, and Bozrah 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 Sections
Exhibit C: Maps
Exhibit D: Abutter Letter and Proof of Notice

ATTACHMENT A
SUB-PETITION

**THE CONNECTICUT LIGHT AND POWER COMPANY doing business as
EVERSOURCE ENERGY**

Sub-Petition
CONNECTICUT SITING COUNCIL – PETITION NO. 1293
TRANSMISSION FACILITY ASSET CONDITION MAINTENANCE
IMPROVEMENTS TO COMPLY WITH THE UPDATED NATIONAL
ELECTRICAL SAFETY CODE CLEARANCE REQUIREMENTS

Towns: Lebanon, Franklin, Bozrah

Sub-Petition 1293-LFB-01

Project: 1080/1490 Transmission Line Structure Replacement Project

Structure Locations: Seven Transmission Line Structures located in Lebanon, Franklin and Bozrah, 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 1080/1490 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 conditions, some structures require replacement on a portion of the 1080/1490 Line between a location just west of Kick Hill Road in Lebanon and Bozrah Light and Power Company's Stockhouse Road Substation in Bozrah, where the 1080/1490 Line exists primarily as a double-circuit line. The 1080 Line, in its entirety, is a 115-kilovolt line that extends from Montville Substation in Montville, to Card Substation in Lebanon, Lisbon Substation in Lisbon and Tunnel Substation in Preston. The 1490 Line, in its entirety, is a 115-kilovolt line that extends from Stockhouse Road Substation to Card Substation. The seven 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 seven existing wood structures with new weathering steel structures. Structures 7774, 7774A, 7768, 7768A would change from two-pole H-frame angle structures to three-pole angle structures. Structures 7773 and 7733A would change from two-pole H-Frame angle structures to two-pole angle structures. Structure 7712 would be replaced with a two-pole H-frame structure of the same design.

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 existing right-of-way ("ROW") utilizing mostly existing access roads and one proposed new permanent access road, as well as some temporary access roads (collectively the "Work Areas"). Some of the existing access roads would be improved. Eversource can access each structure replacement location utilizing its existing rights.
- b) Collectively, the Work Activities would result in approximately 28,297 square feet ("SF") of temporary wetland impacts from the temporary use of matting required for the construction of access roads and work pads for five structures as follows:

| Wetland Number | Structure Number | Construction Work Pads Temporary Impacts (SF) | Access Roads Temporary Impacts (SF) |
|-------------------|------------------|---|-------------------------------------|
| W7 | 7774 / 7774A | 0 | ±393 |
| W4 | 7733 / 7733A | ±8,812 | 0 |
| W1 | 7712 | ±10,000 | ±9,092 |
| <i>Subtotals:</i> | | ±18,812 | ±9,485 |
| TOTAL: | | ±28,297 | |

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 within 500 feet of the Work Areas. However, Work Areas were found to be located within 500 feet of three previously identified archeological sites. Based on a review of historic maps, aerial photographs, available soil profiles and proximity to identified archaeological sites, four proposed work pad locations and four proposed access road locations were identified to possess a potential for moderate to high archaeological sensitivity. Based on the results of a pedestrian survey, one work pad location and

two access road 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 and determined that the planned construction in these Work Areas will not impact any cultural resources; therefore, Heritage advised that no further examination is recommended or warranted.

- g) Increased heights of the seven replacement structures will vary from 4.5 feet to 18 feet to comply with current clearance requirements. Four of the structure height increases will be less than 10 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:

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

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

Lebanon

- Kick Hill Road for Structures 7774 and 7774A
- Exeter Road for Structures 7768 and 7768A

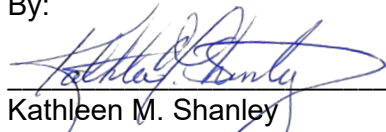
Franklin

- Rindy Road for Structures 7733 and 7733A

Bozrah

- Stockhouse Road for Structure 7712

By:



Kathleen M. Shanley
Manager - Transmission Siting

ATTACHMENT B
PHOTOGRAPHS
AND
TYPICAL CROSS SECTIONS

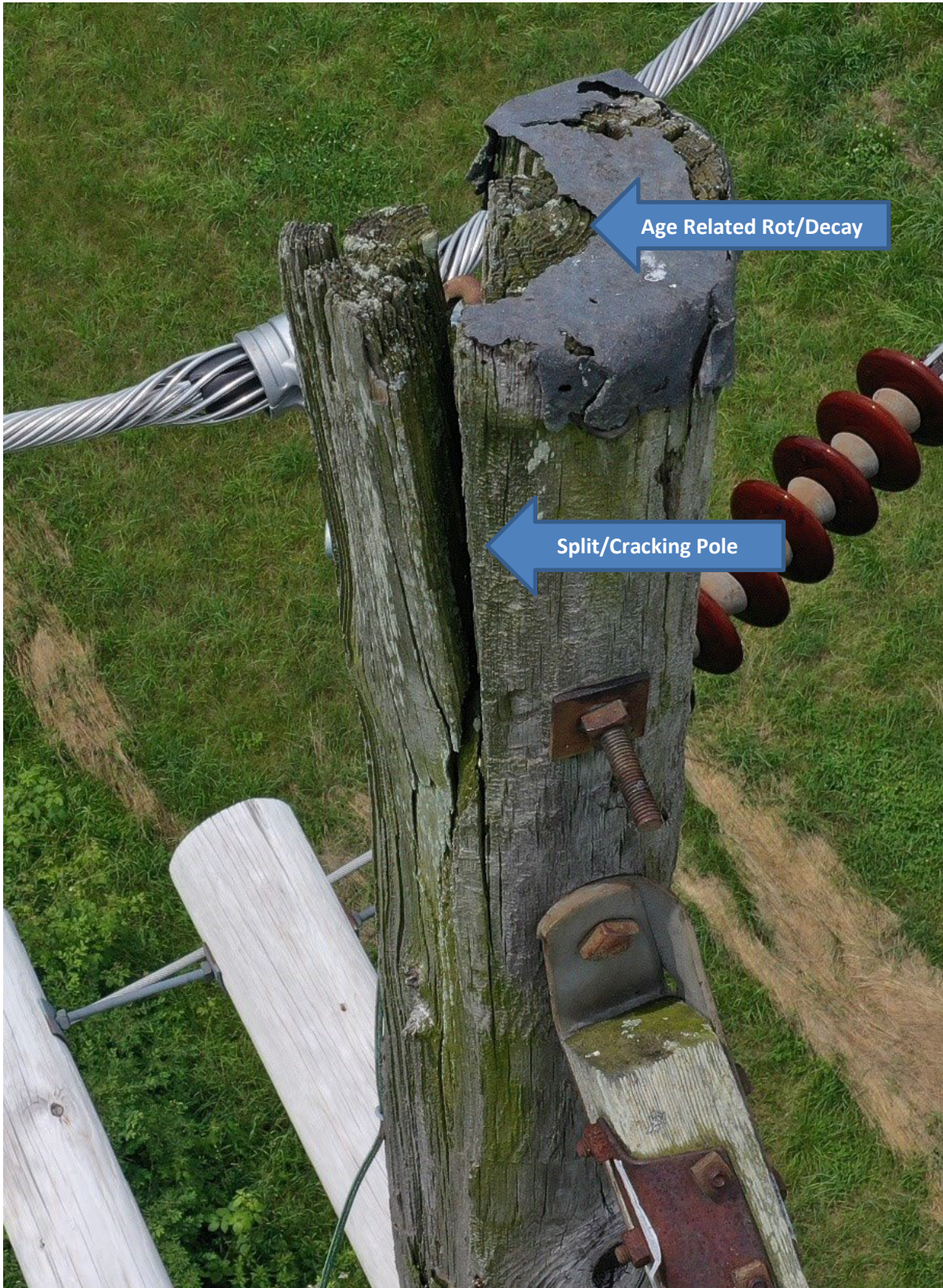
Structure #7712



Structure #7733

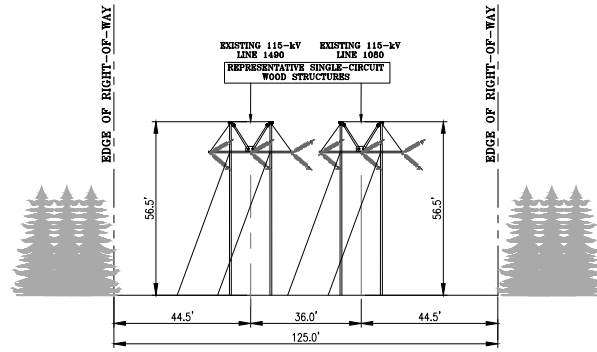


Structure #7768

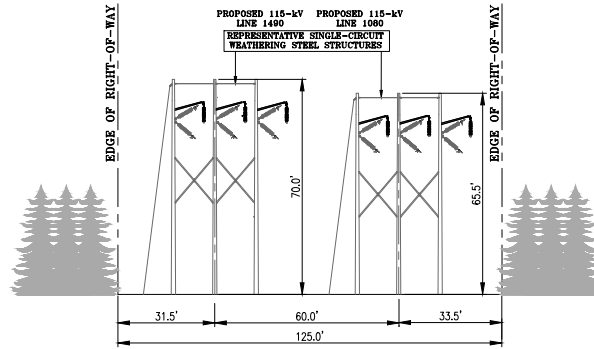


Structure #7774





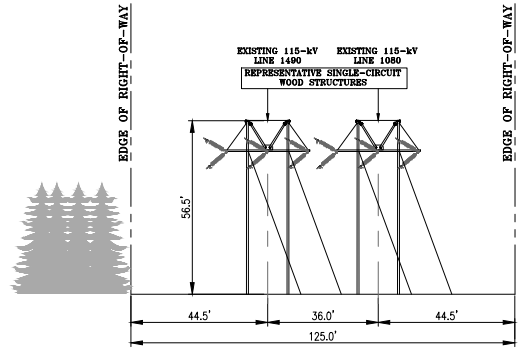
**EXISTING R.O.W. CONFIGURATION
 LOOKING FROM STOCKHOUSE ROAD SUBSTATION TO CARD SUBSTATION
 STR. #7774 & 7774A**



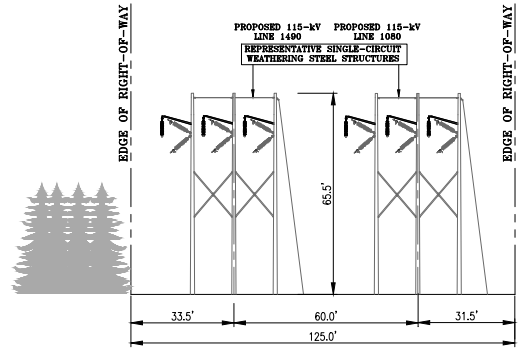
**PROPOSED R.O.W. CONFIGURATION
 NO ADDITIONAL RIGHT-OF-WAY REQUIRED
 LOOKING FROM STOCKHOUSE ROAD SUBSTATION TO CARD SUBSTATION
 STR. #7774 & 7774A**

NOTE:
 LINE ARRESTERS TO BE
 ADDED AS REQUIRED

| | | | | |
|--|---------------------|------|-------------------|------|
| EVERSOURCE ENERGY | | | | |
| STOCKHOUSE ROAD S/S TO CARD S/S 115-kV TRANSMISSION LINE RIGHT OF WAY CROSS SECTION FRANKLIN, CONNECTICUT | | | | |
| BY | TNC | DATE | APP | APP |
| DATE | 02/20/2021 | DATE | DATE | DATE |
| BY-SCALE | N.T.S. | SIZE | FIELD NO. & PAGES | |
| BY-SCALE | N.T.S. | CS | REV. DWS | |
| REV. PROJ. NUMBER | TP001301 & TP001302 | DATE | DATE | |



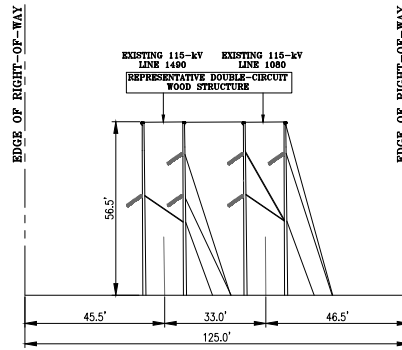
**EXISTING R.O.W. CONFIGURATION
LOOKING FROM STOCKHOUSE ROAD SUBSTATION TO CARD SUBSTATION
STR. #7768 & 7768A**



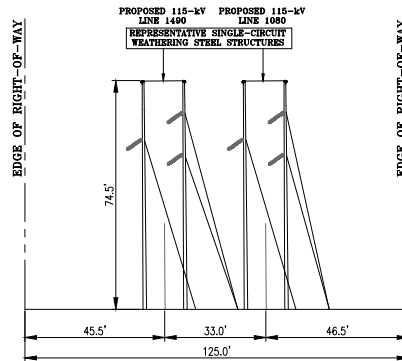
**PROPOSED R.O.W. CONFIGURATION
NO ADDITIONAL RIGHT-OF-WAY REQUIRED
LOOKING FROM STOCKHOUSE ROAD SUBSTATION TO CARD SUBSTATION
STR. #7768 & 7768A**

NOTE:
LINE ARRESTERS TO BE
ADDED AS REQUIRED

| | | | | |
|--|---------------------|------|--------------------|-----------|
| EVERSOURCE ENERGY | | | | |
| STOCKHOUSE ROAD S/S TO CARD S/S 115-kV TRANSMISSION LINE RIGHT OF WAY CROSS SECTION FRANKLIN, CONNECTICUT | | | | |
| BY | TNC | DRD | APP | APP |
| DATE | 02/20/2021 | DATE | DATE | DATE |
| BY-SCALE | N.T.S. | SIZE | FIELD BOOK # PAGES | |
| BY-SCALE | N.T.S. | CS | DATE | DATE |
| REV. PROJ. NUMBER | TPC01301 & TPC01302 | | REV. DATE | REV. DATE |



**EXISTING R.O.W. CONFIGURATION
LOOKING FROM STOCKHOUSE ROAD SUBSTATION TO CARD SUBSTATION
STR. #7733 & 7733A**



**PROPOSED R.O.W. CONFIGURATION
NO ADDITIONAL RIGHT-OF-WAY REQUIRED
LOOKING FROM STOCKHOUSE ROAD SUBSTATION TO CARD SUBSTATION
STR. #7733 & 7733A**

NOTE:
LINE ARRESTERS TO BE
ADDED AS REQUIRED

| | | | | |
|--|---------------------|------|----------|--------------------|
| EVERSOURCE ENERGY | | | | |
| STOCKHOUSE ROAD S/S TO CARD S/S 115-kV TRANSMISSION LINE RIGHT OF WAY CROSS SECTION FRANKLIN, CONNECTICUT | | | | |
| BY | TNG | DRW | APP | APP |
| DATE | 02/20/2021 | DATE | | DATE |
| BY-SCALE | N.T.S. | SIZE | 11 | FIELD BOOK # PAGES |
| BY-SCALE | N.T.S. | ISS. | 0 | REV. DWS |
| REV. PROJ. NUMBER | TPC01301 & TPC01302 | | DWG. NO. | |

ATTACHMENT C

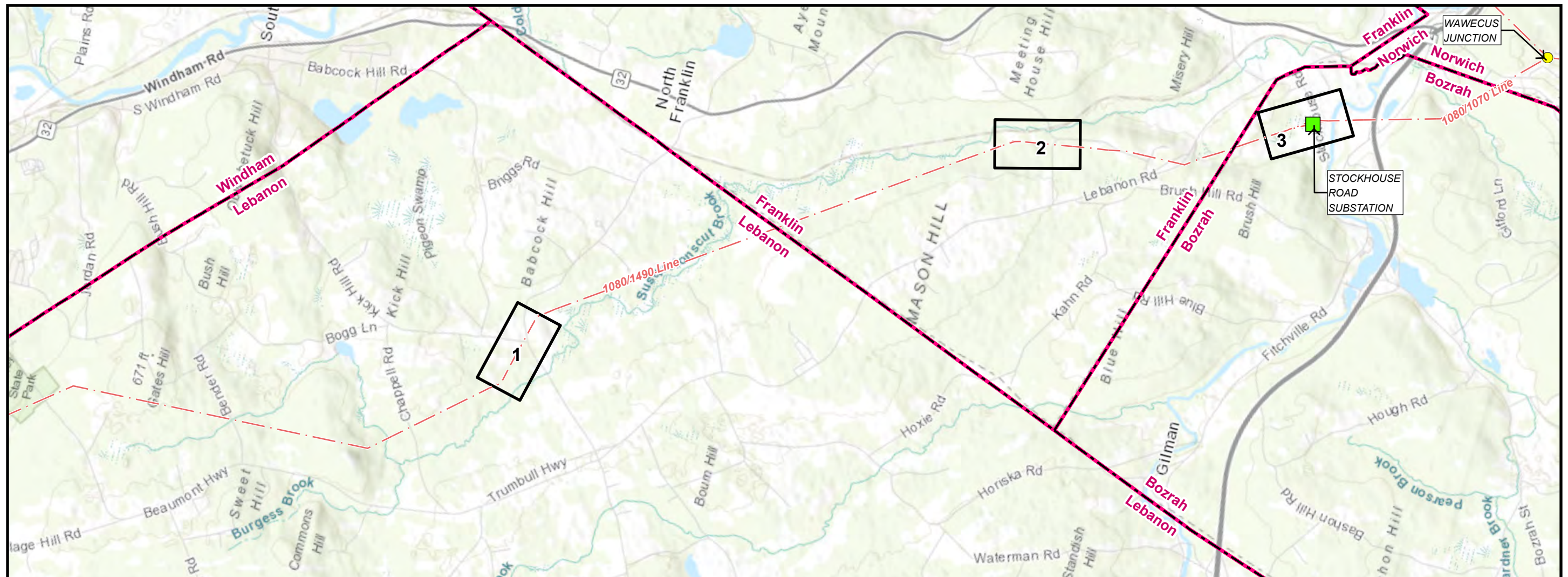
MAPS

1080/1490 Line - Structure Replacement Project

Lebanon, Franklin and Bozrah, CT

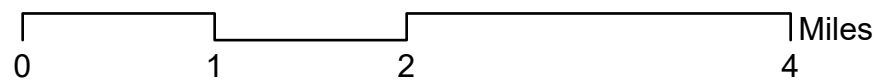
Sub-Petition Map Set

February 16, 2021



LEGEND

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



INDEX OF FIGURES

T1 - Title Sheet
Map Sheet 1-3 & Abutter's Table



PREPARED FOR:



107 Selden Street
Berlin, CT 06037

PREPARED BY:

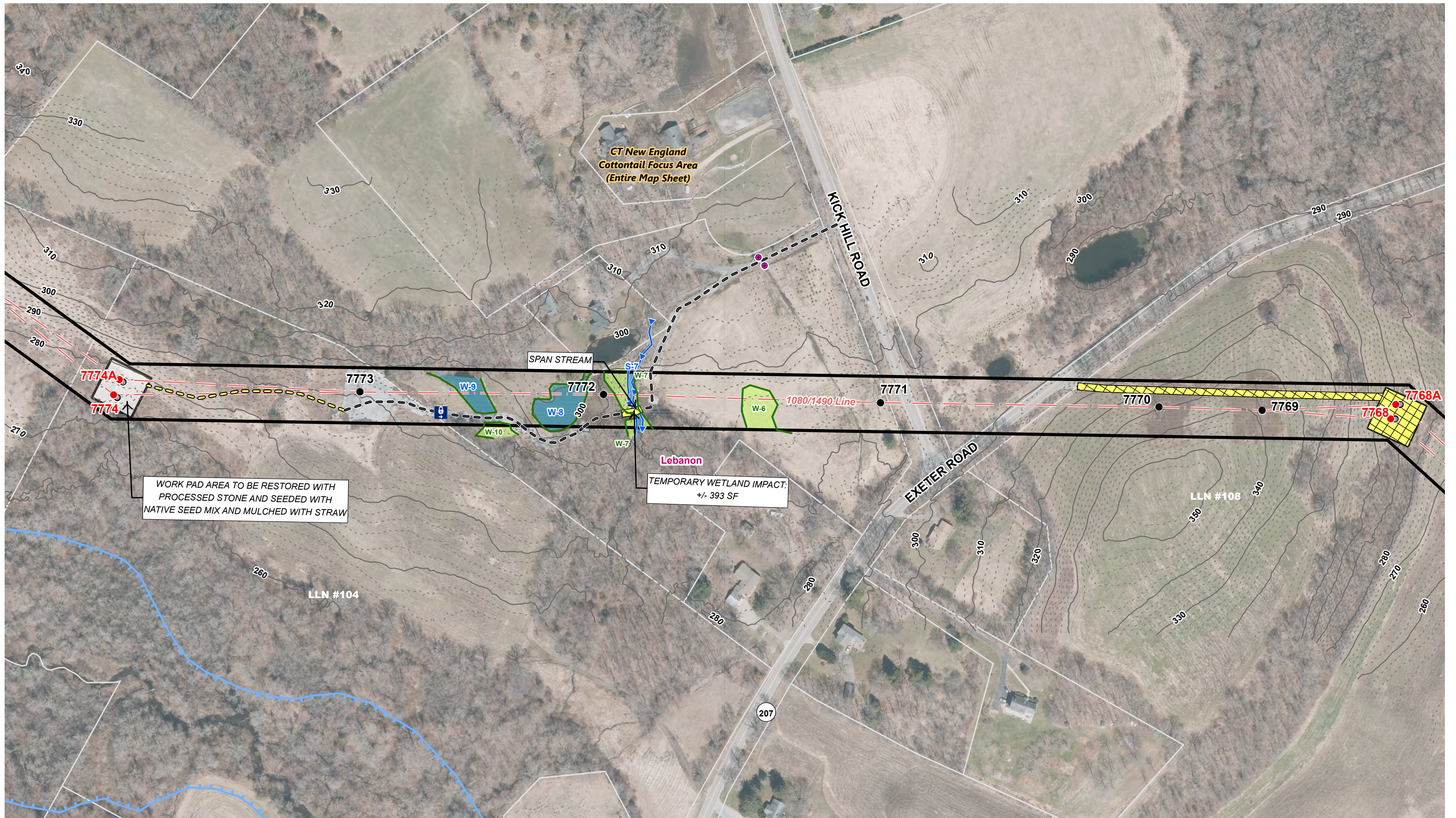


100 Great Meadow Road
Suite 200
Wethersfield, CT 06109

1080/1490 Line - Structure Replacement Project

Map Sheet 01 Abutter's Table

| Line List Number | Owner First Name | Owner Last Name | Parcel Address | Town | State |
|------------------|------------------|-----------------|----------------|---------|-------|
| 104 | Green Gate LLC | N/A | 468 Exeter Rd | Lebanon | CT |
| 108 | Green Gate LLC | N/A | Exeter Rd | Lebanon | CT |



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

EVERSOURCE
ENERGY

1080/1490 Line - Structure Replacement Project

Date: February 16, 2021

Lebanon, CT

Map Sheet 1 of 3

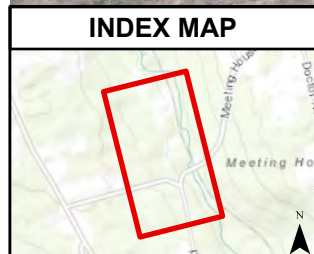
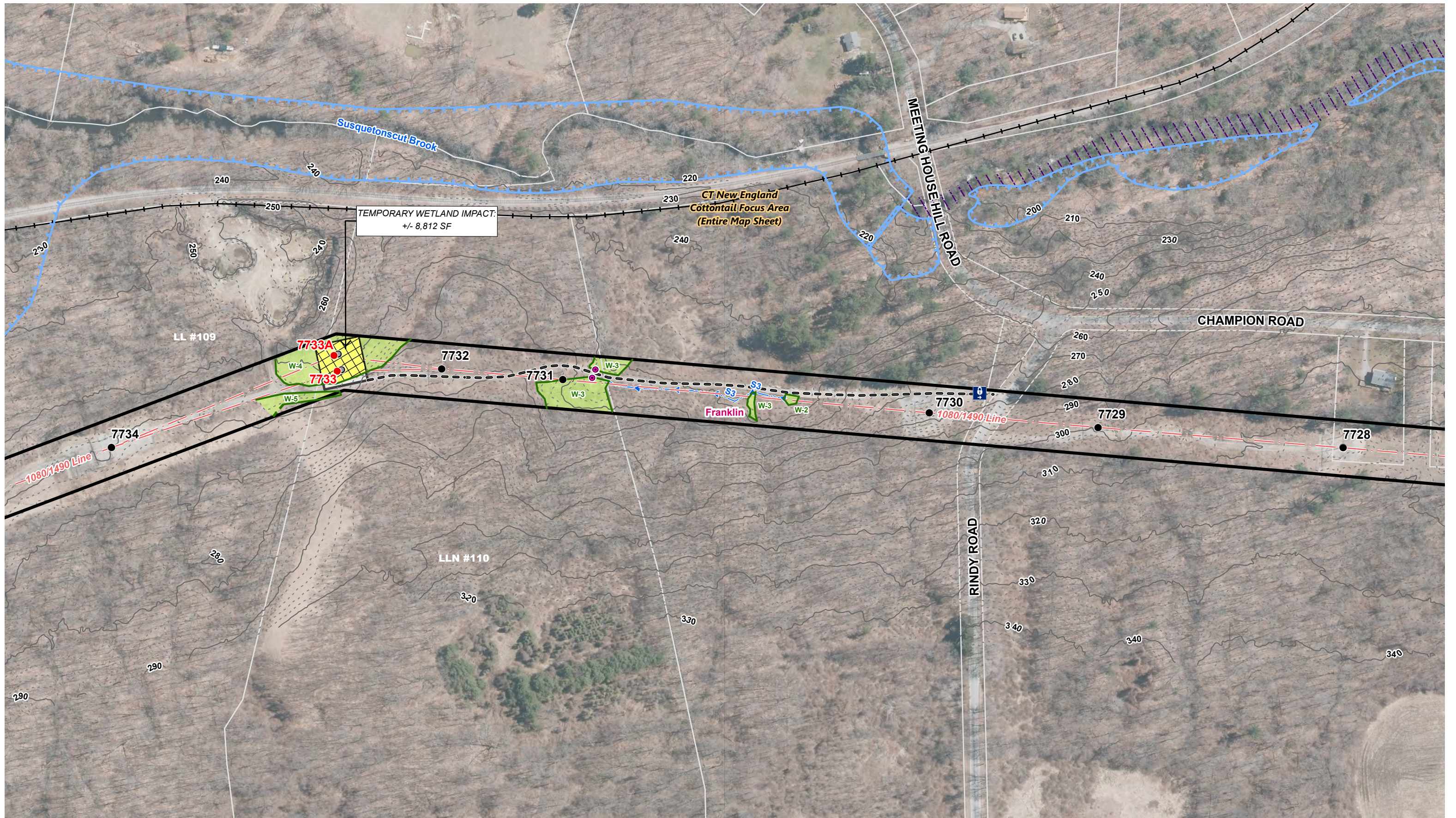
1 Inch = 200 feet
0 100 200 Feet

Base Map Source:
2019 Aerial Imagery (CTDEP)

1080/1490 Line - Structure Replacement Project

Map Sheet 02 Abutter's Table

| Line List Number | Owner First Name | Owner Last Name | Parcel Address | Town | State |
|------------------|------------------|-----------------|------------------|----------|-------|
| 109 | Cushman Farms LP | N/A | 397 Lebanon Road | Franklin | CT |
| 110 | William S | Sawicky | Lebanon Road | Franklin | CT |



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

Base Map Source: 2019 Aerial Imagery (CTDEP)

1 Inch = 200 feet

0 100 200 Feet


EVERSOURCE ENERGY

1080/1490 Line - Structure Replacement Project

Date: February 16, 2021

Franklin, CT

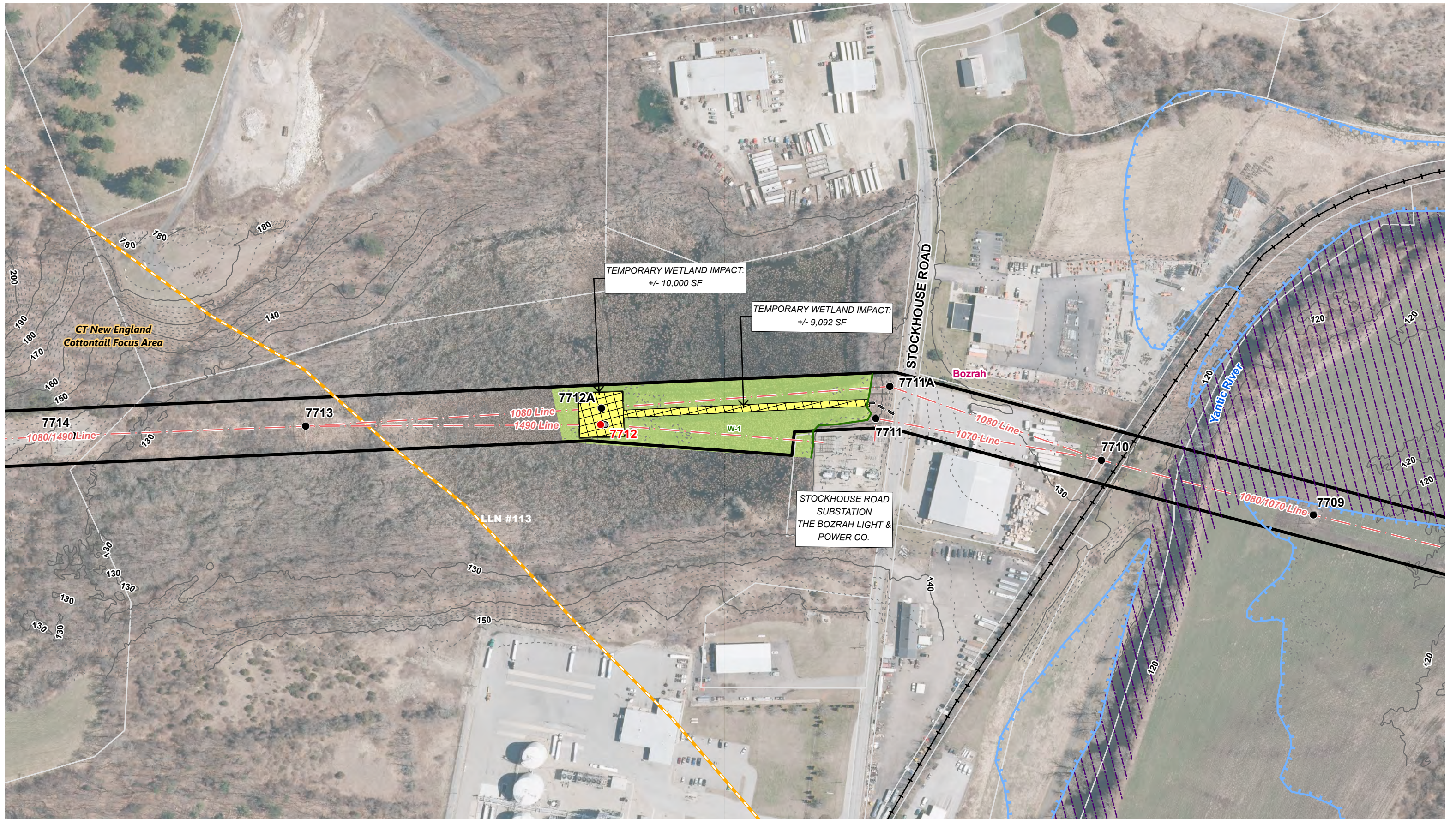
Map Sheet 2 of 3



1080/1490 Line - Structure Replacement Project

Map Sheet 03 Abutter's Table

| Line List Number | Owner First Name | Owner Last Name | Parcel Address | Town | State |
|------------------|---------------------------|-----------------|------------------|---------|-------|
| 113 | Airgas Merchant Gases LLC | N/A | 80 Stockhouse Rd | Lebanon | CT |



| | | | | |
|---|--|---|---|---|
| <ul style="list-style-type: none"> ● Proposed Structure ● Existing Structure ○ Existing Structure to be Removed — Existing Right-of-Way (ROW) - - - Overhead Eversource Line - - - Existing Access - - - Proposed Access | <ul style="list-style-type: none"> — Delineated Wetland Boundary Outline — Delineated Intermittent Watercourse — Delineated Perennial Watercourse Field Delineated Wetland Open Water | <p>Legend</p> <ul style="list-style-type: none"> Stone Work Pad Temporary Construction Matting Gate Culvert Cottontail Focus Area | <ul style="list-style-type: none"> FEMA 100-Year Flood Zone Floodway 10' Contour Line 2' Contour Line Railroad | <ul style="list-style-type: none"> Municipal Boundary Eversource Owned Property |
|---|--|---|---|---|

Base Map Source: 2019 Aerial Imagery (CTDEP)

1 Inch = 200 feet

0 100 200 Feet

| |
|---|
| |
| 1080/1490 Line - Structure Replacement Project |
| Date: February 16, 2021 |
| Bozrah, CT |
| |
| Map Sheet 3 of 3 |

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 Lebanon, Franklin and Bozrah. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-LFB-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-LFB-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

