



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

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

August 28, 2017

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

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

Dear Ms. Bachman:

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

Eversource sent the enclosed Sub-Petition to the officials of the municipalities of Thomaston and Harwinton and 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". The signature is fluid and cursive, with a large loop at the end.

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: Thomaston and Harwinton

Sub-Petition No. 1293-TH-01

Project: 1921 Transmission Line Structure Replacement

Structure Location: Five Transmission Structures located in Thomaston and Harwinton, 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 1921 Transmission Line Structure Replacement Project ("1921 Line 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 assure the safe and efficient transmission of power to its customers. An engineering evaluation and field inspections have determined that, due to asset condition, many structures require replacement on a portion of the 1921 Line, which is 115-kV transmission line that traverses from Thomaston Substation in Thomaston through the towns of Thomaston, Litchfield and Harwinton to the Campville Substation in Harwinton, Connecticut. Of the structures being replaced, 5 of the structures require a slight increase in structure height to comply with current clearance requirements.

The Frost Bridge to Campville 115 kV Transmission Line Project ("FB-CV Project"; Council Docket No. 466)<sup>1</sup> shares the same right-of-way with the 1921 Line Project. As the Council is

---

<sup>1</sup> DOCKET NO. 466 - The Connecticut Light & Power Company d/b/a Eversource Energy application for a Certificate

aware, Eversource is currently performing work on the FB-CV Project and work pads currently cover a portion of the work pad areas needed for replacement of the five structures on the 1921 Line Project. Eversource would like to complete the work on the 1921 Line Project while work is being performed on the FB-CV Project in order to minimize the overall environmental effect by utilizing existing work pads and access roads.

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 five existing direct-embedded single-pole wood structures with new, self-supporting weathering steel structures that are slightly higher (9 feet or less) than the existing structures. The replacement poles will be installed within 15 feet of 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 within Eversource's existing right-of-way ("ROW") or on Eversource owned property utilizing existing access routes (collectively, the "Work Area").
- b) Work Activities would result in ±6,252 square feet of temporary wetland impacts limited to matting required to provide for two construction work pads for structure 3227 (±5,881 square feet) and structure 3232 (±371 square feet). The work pad for structure 3227 will be combined with the existing FB-CV structure 95 (10053) matted work pad, which has ±3,598 square feet of previously approved temporary wetland impacts. Work within the wetland system would be conducted in accordance with Eversource's *Best Management Practices Manual for Massachusetts and Connecticut (Construction and Maintenance Environmental Requirements)*, September 2016 ("BMPs").
- c) No Vernal pools are located in proximity to the Work Areas where the proposed Work Activities would be performed.
- d) According to Eversource's review of the Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Data Base ("NDDB"), only structure #3227 will be located within a NDDB area. Eversource consulted extensively with CTDEEP in 2016 on the FB-CV Project, which shares the same ROW with the 1921 Line Project. Eversource will adhere to turtle protection measures previously identified in proximity to structure 3227, which will be incorporated into the Eversource's BMPs during construction.

- e) The structure replacements will not require any tree clearing. However, Eversource may need to undertake minor tree trimming and/or vegetation mowing within the managed ROW corridor to improve access to portions of the Work Area.
- 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 Area. Based on a review of historic maps, aerial photographs and soil profiles, the five proposed work pad locations were identified to possess a potential for no to low archaeological sensitivity. Therefore, no additional examination is recommended.
- g) The increase in the heights of the five replacement structures average approximately seven feet and none will exceed 10 feet.
- h) Replacement structures would be located with 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) There would be no change in noise levels following 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 off of the ROW would be negligible.

IV. Mitigation:

Temporary environmental effects from construction will be mitigated as follows:

- Erosion and sediment controls ("E&S") will be employed and maintained, as needed, throughout the execution of the Work Activities in accordance with the *2002 Connecticut Guidelines for Soil Erosion and Sediment Control* and the BMPs.
- Turtle species protective measures will be incorporated into Eversource's BMPs during construction at structure 3227.
- 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. Once work is complete for the 1921 Line Project, restoration efforts will be coordinated with the FB-CV Project so that stabilization/revegetation of all disturbed areas from both projects can occur simultaneously. 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.

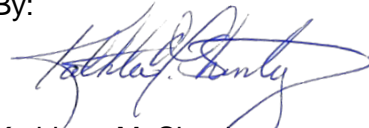
IV. Access:

No new access roads will be constructed to facilitate access to structures within the ROW since the existing access roads used for the FB-CV Project will be used.

Eversource would access the Work Areas by entering its ROW from existing access points on public roads and then continue using existing and proposed access routes as follows:

- Walnut Hill Road for structures 3257 and 3253
- Wildcat Hill Road for structures 3232, 3227 and 3226

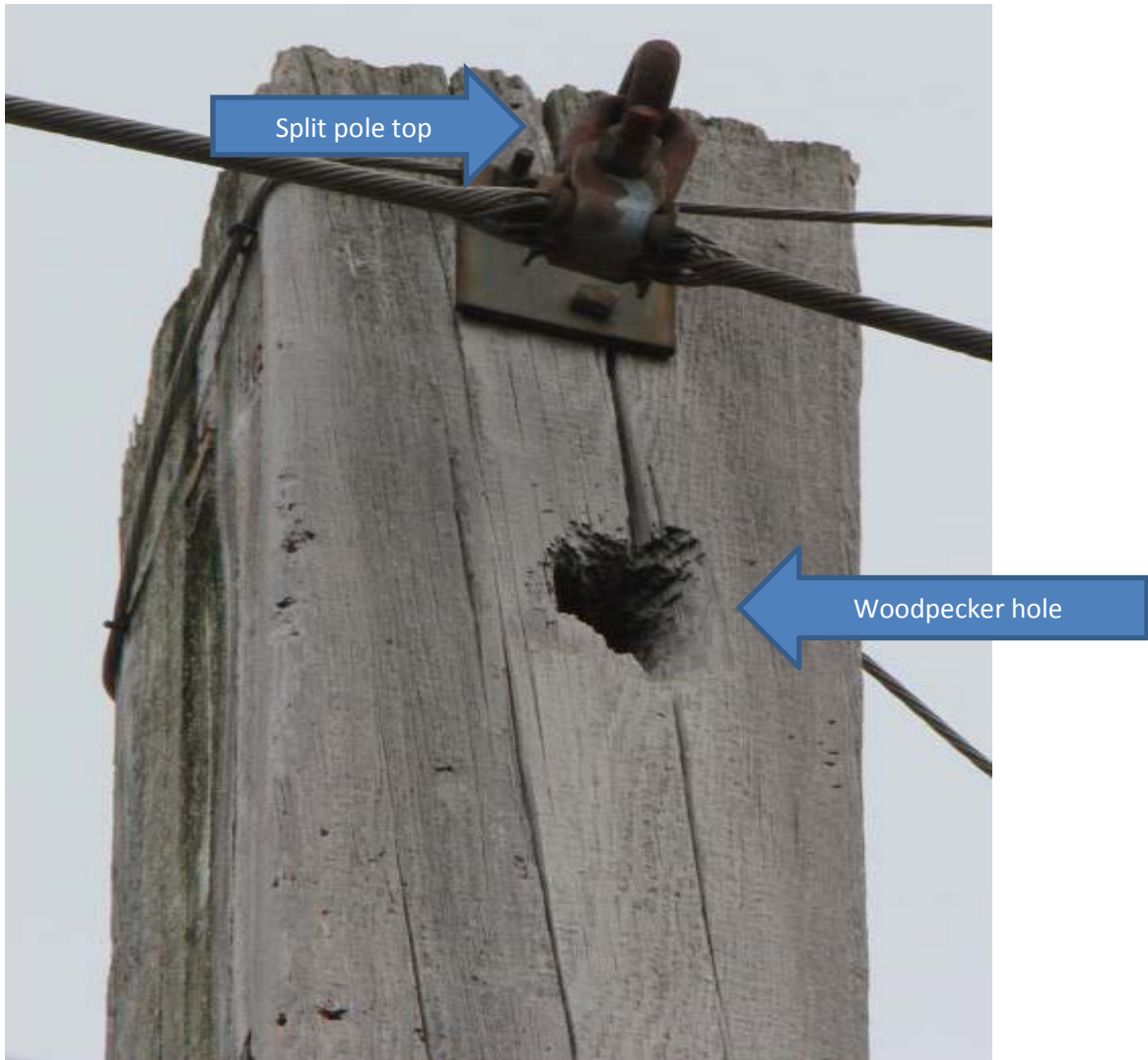
By:



Kathleen M. Shanley  
Manager – Transmission Siting

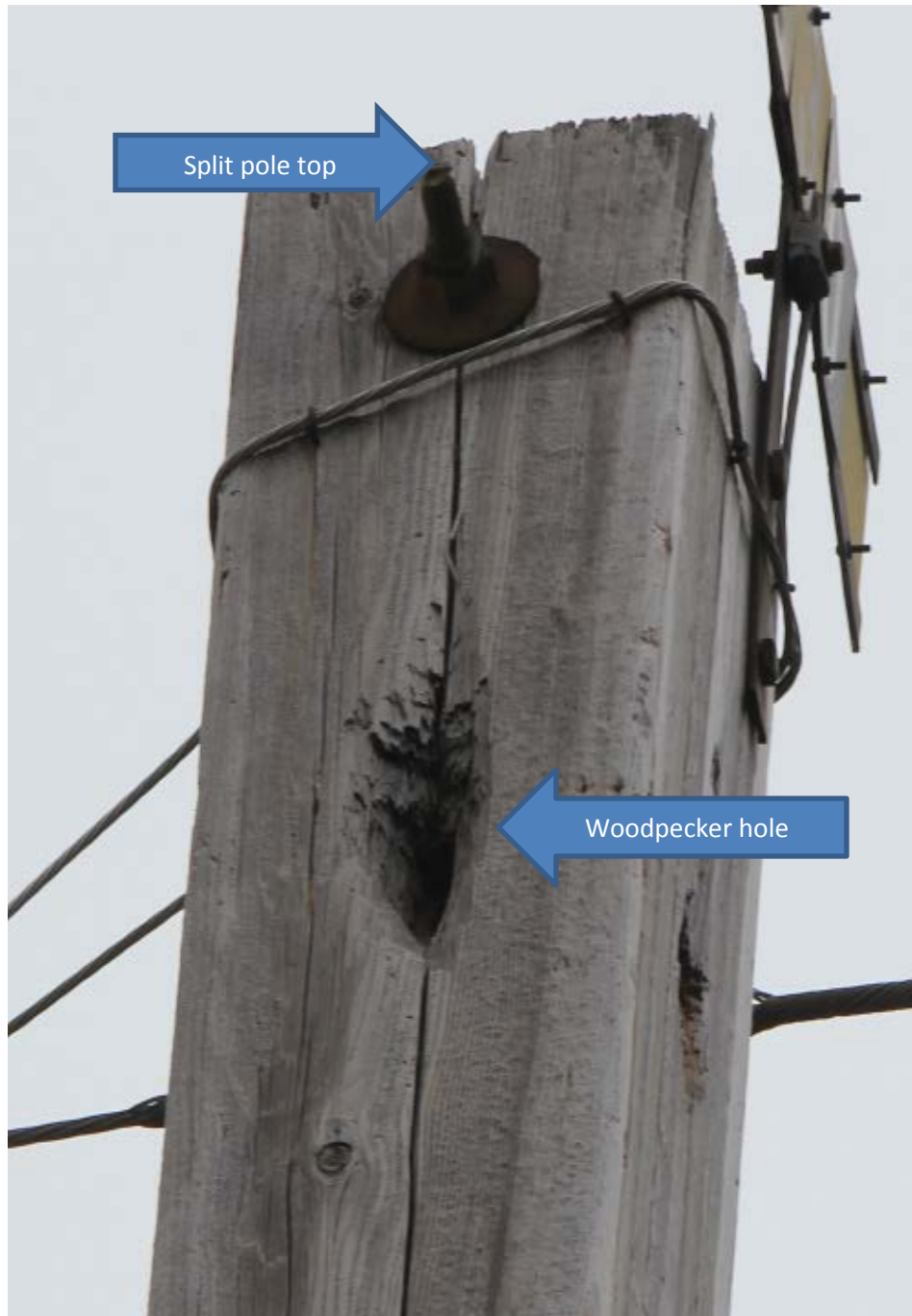
**ATTACHMENT B**  
**PHOTOGRAPHS AND**  
**PHOTO SIMULATION**

Structure # 3227





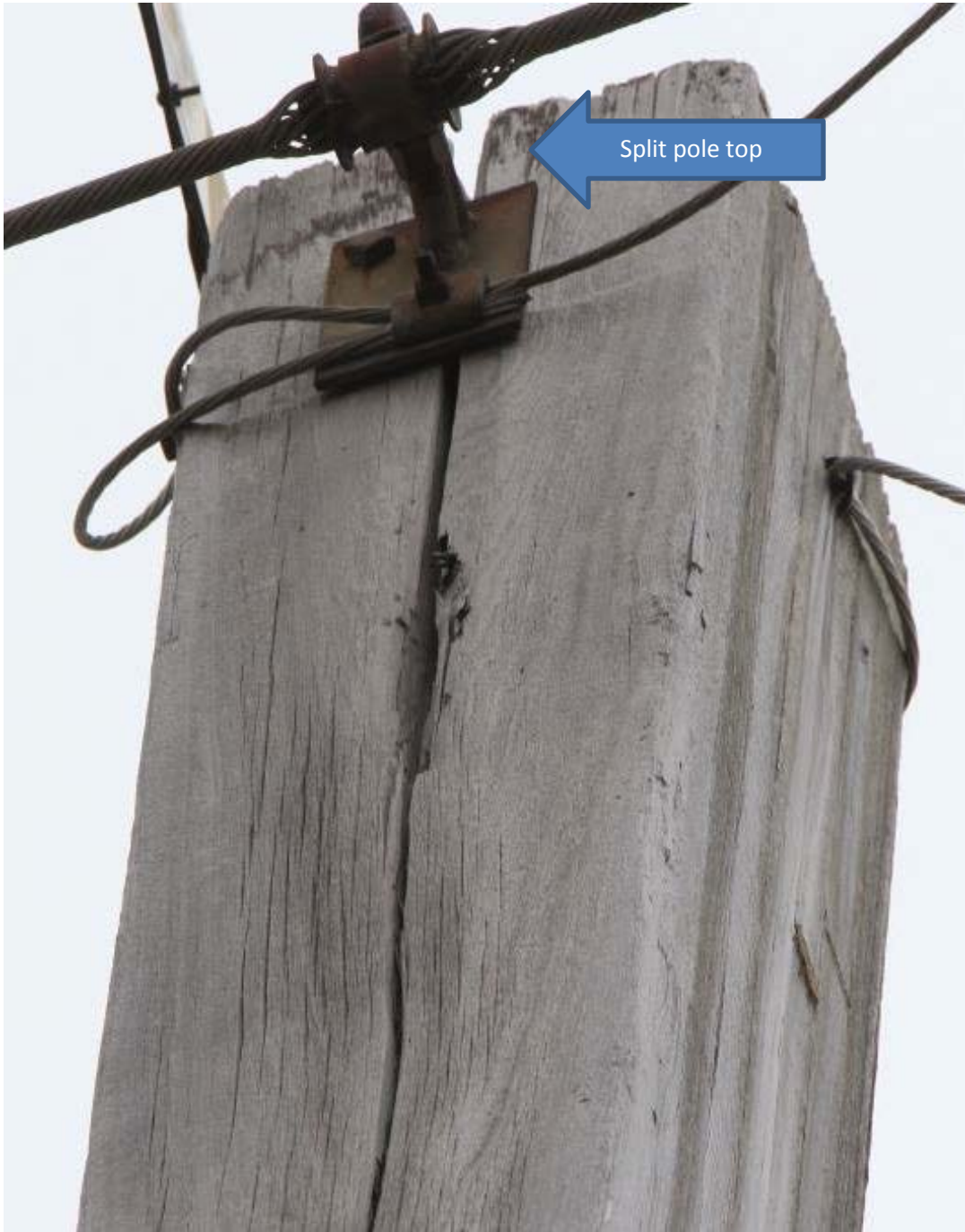
Structure # 3232



Structure # 3253



Structure # 3257





**EXISTING**

1921 LINE  
**STRUCTURE 3227**

LOCATION

**WILDCAT HILL ROAD - HARWINTON**

ORIENTATION

**NORTH**





**PROPOSED**

1921 LINE  
**STRUCTURE 3227**

LOCATION

**WILDCAT HILL ROAD - HARWINTON**

ORIENTATION

**NORTH**



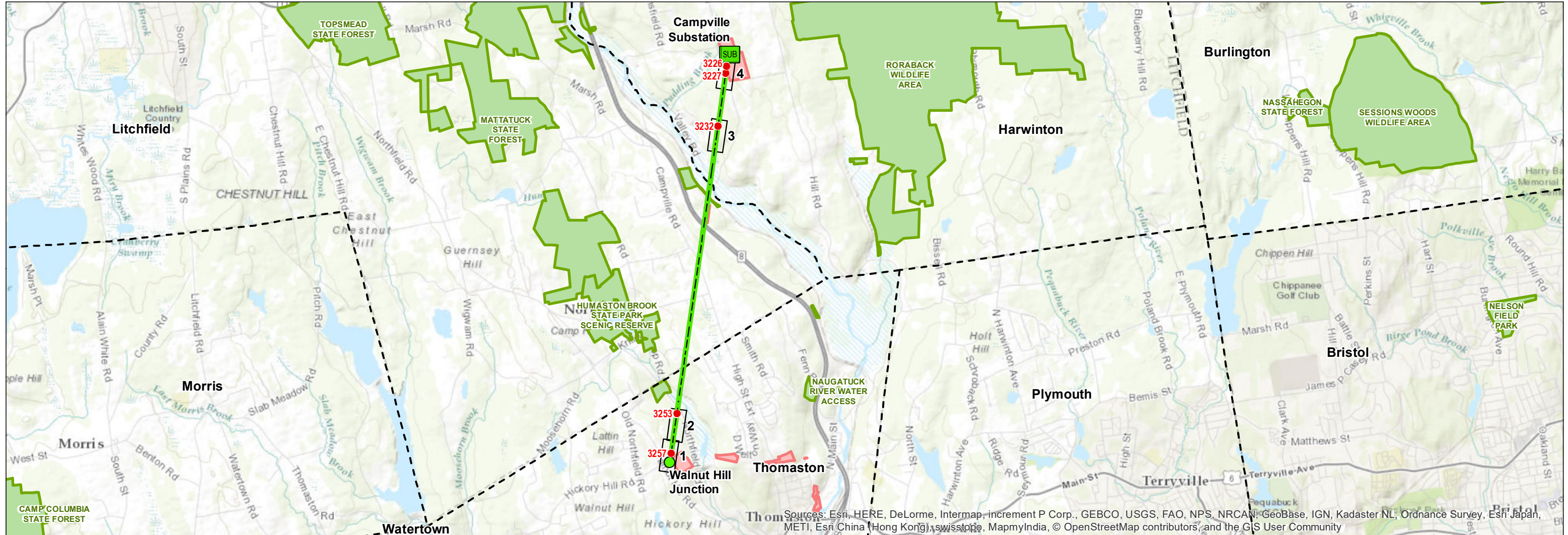
**ATTACHMENT C**

**MAPS**

# 1921 Line Structure Replacement

Thomaston and Harwinton, CT  
Sub-Petition Map Set

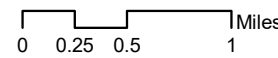
Date: August 23, 2017



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

## Legend

- Sub-Petition Replacement Structure
- Line 1921
- Junction
- SUB Substation
- Map Sheet
- State-Owned Property
- Eversource Owned Property



PREPARED FOR:



107 Selden Street  
Berlin, CT 06037

INDEX OF FIGURES

Cover / Index Map  
Map Sheets and Abutter Tables

PREPARED BY:



3 Saddlebrook Drive  
Killingly, CT 06419

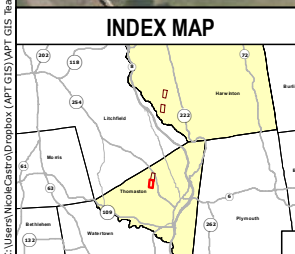
**Map Sheet 1 of 4**  
**Line 1921 Sub-Petition Structure Replacement**  
**Abutters List**

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
42003	538 Walnut Hill Road	Thomaston	CT	William P & Norma L Kryzanowski





Map Sheet 1  
Map Sheet 2



Legend	
● Proposed Sub-Petition Replacement Structure	— 10' Contour Line
● Existing Structure	- - - 2' Contour Line
⊘ Existing Structure to be Removed	— Railroad
⊠ Proposed Work Pad	— Stone Wall
⊠ Existing Stone Work Pad	X-X-X Fence
⊠ Existing Construction Matting	Ⓜ Gate
— Existing Right-of-Way	— Designated Recreation Trail
- - - Existing FB-CV 115-kV Line (Centerline)	Ⓜ Trail Points
— 1921 Transmission Line	Ⓜ Existing Access Road
● Culvert (center)	Ⓜ Vernal Pool
— Intermittent Watercourse	Ⓜ 100-Year Flood Zone (CTDEEP)
— Perennial Watercourse	Ⓜ Floodway in Zone AE (CTDEEP)
— Wetland Boundary	Ⓜ Wetland Area
— Wetland Area	Ⓜ Proposed Temporary Construction Matting
Ⓜ Natural Diversity Database (June 2017)	Ⓜ Rare Species
Ⓜ Parcel Boundary	Ⓜ Eversource-Owned Property
Ⓜ State-Owned Property	Ⓜ Municipal Boundary
Ⓜ Map Sheet Matchline	

**Map Notes:**  
Not for Construction  
Parcel and ROW boundaries are approximate.  
Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.  
Base Map Source: 2016 Google Imagery

Base Map Source: 2016 Aerial Imagery (CTECO)

1 inch = 100 feet  
0 50 100 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

**EVERSOURCE ENERGY**

**Transmission Line Maintenance  
1921 Line Structure Replacement**

Thomaston, CT      Map Sheet 1 of 4

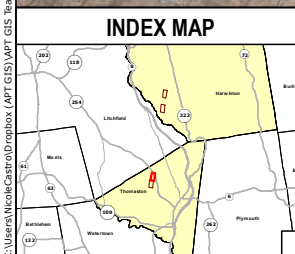
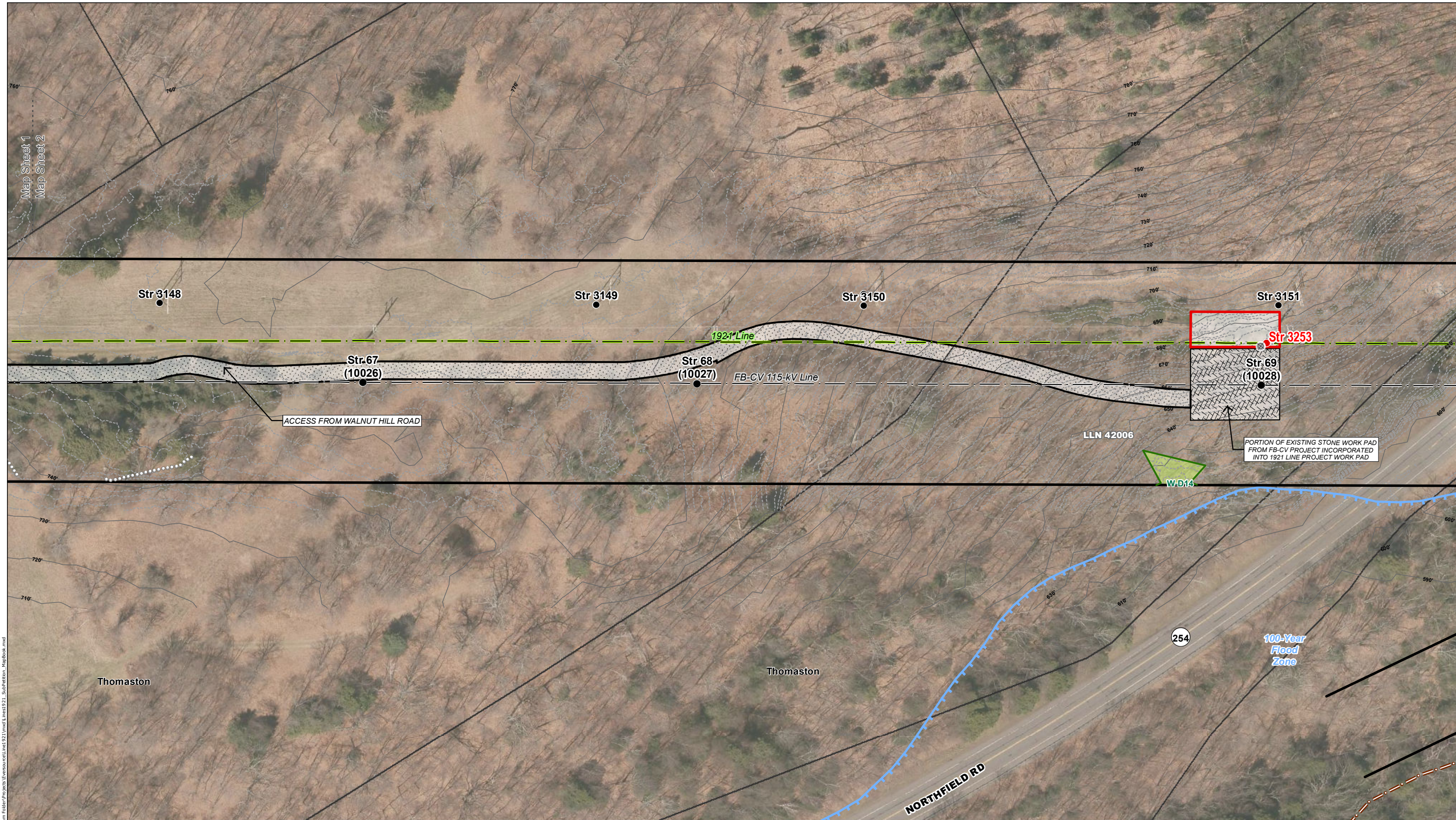
August, 2017

ALL-POINTS TECHNOLOGY CORPORATION

C:\Users\mccasino\Documents\AEP GIS\Map GIS Team\Files\Projects\Eversource\1921\Map\1921\_SubPetition\_MapBook.mxd

**Map Sheet 2 of 4**  
**Line 1921 Sub-Petition Structure Replacement**  
**Abutters List**

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
42006	Litchfield St Rear	Thomaston	CT	United States of America - Army Corp of Engineers



Legend	
● Proposed Sub-Petition Replacement Structure	— 10' Contour Line
● Existing Structure	- - - 2' Contour Line
⊗ Existing Structure to be Removed	— Railroad
□ Proposed Work Pad	— Stonewall
⊗ Existing Stone Work Pad	X-X-X Fence
⊗ Existing Construction Matting	Gate
— Existing Right-of-Way	— Designated Recreation Trail
- - - Existing FB-CV 115-kV Line (Centerline)	Trail Points
- - - 1921 Transmission Line	Existing Access Road
● Culvert (center)	● Vernal Pool
— Intermittent Watercourse	— 100-Year Flood Zone (CTDEEP)
— Perennial Watercourse	— Floodway in Zone AE (CTDEEP)
— Wetland Boundary	□ Parcel Boundary
— Wetland Area	□ Eversource-Owned Property
⊗ Proposed Temporary Construction Matting	□ State-Owned Property
— Natural Diversity Database (June 2017)	— Municipal Boundary
— Rare Species	- - - Map Sheet Matchline

**Map Notes:**  
 Not for Construction  
 Parcel and ROW boundaries are approximate.  
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.  
 Base Map Source: 2016 Aerial Imagery (CTECO)

NO.	DATE	REVISIONS	BY	CHK	APP	APP

**EVERSOURCE ENERGY**

**Transmission Line Maintenance  
1921 Line Structure Replacement**

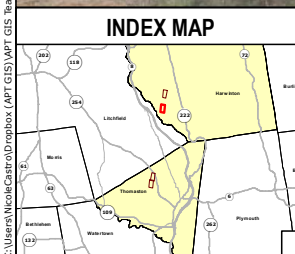
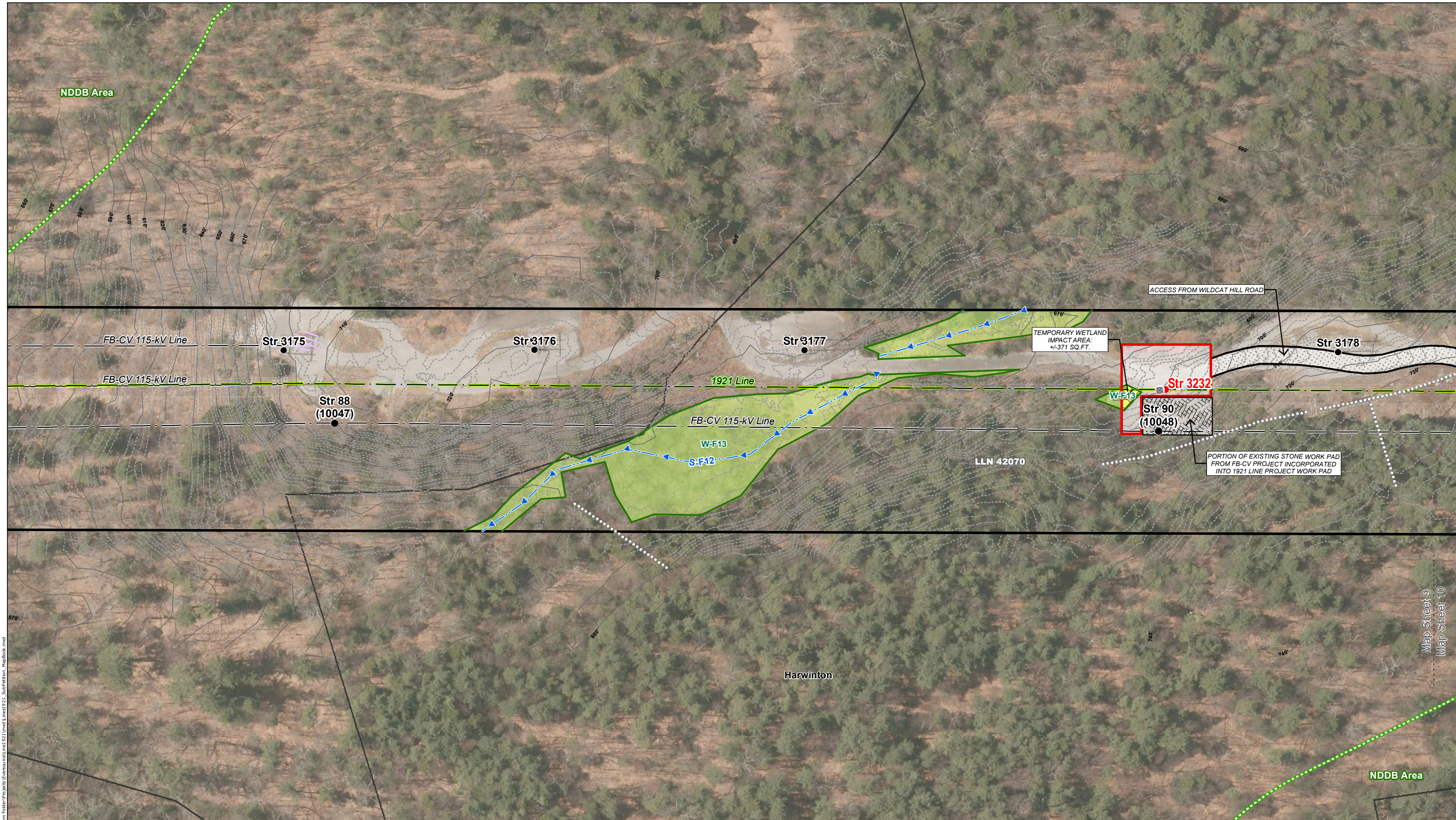
Thomaston, CT      Map Sheet 2 of 4

August, 2017

ALL-POINTS TECHNOLOGY CORPORATION

**Map Sheet 3 of 4**  
**Line 1921 Sub-Petition Structure Replacement**  
**Abutters List**

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
42070	260 Valley Road	Harwinton	CT	Benton A. Brown



Legend	
● Proposed Sub-Petition Replacement Structure	— 10' Contour Line
● Existing Structure	- - - 2' Contour Line
⊘ Existing Structure to be Removed	— Railroad
⊠ Proposed Work Pad	○ ○ ○ ○ Stone Wall
⊠ Existing Stone Work Pad	X = X = X Fence
⊠ Existing Construction Matting	Ⓜ Gate
— Existing Right-of-Way	— Designated Recreation Trail
- - - Existing FB-CV 115-kV Line (Centerline)	Ⓜ Trail Points
— 1921 Transmission Line	Ⓜ Existing Access Road
● Culvert (center)	— Intermittent Watercourse
— Perennial Watercourse	— Wetland Boundary
— Wetland Area	— Wetland Area
— Proposed Temporary Construction Matting	— Natural Diversity Database (June 2017)
— Rare Species	— Rare Species
— Vernal Pool	— 100-Year Flood Zone (CTDEEP)
— Floodway in Zone AE (CTDEEP)	— Parcel Boundary
— Eversource-Owned Property	— State-Owned Property
— Municipal Boundary	— Map Sheet Matchline

**Map Notes:**  
 Not for Construction  
 Parcel and ROW boundaries are approximate.  
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.  
 Base Map Source: 2016 Aerial Imagery (CTECO)

NO.	DATE	REVISIONS	BY	CHK	APP	APP

**EVERSOURCE ENERGY**

**Transmission Line Maintenance  
1921 Line Structure Replacement**

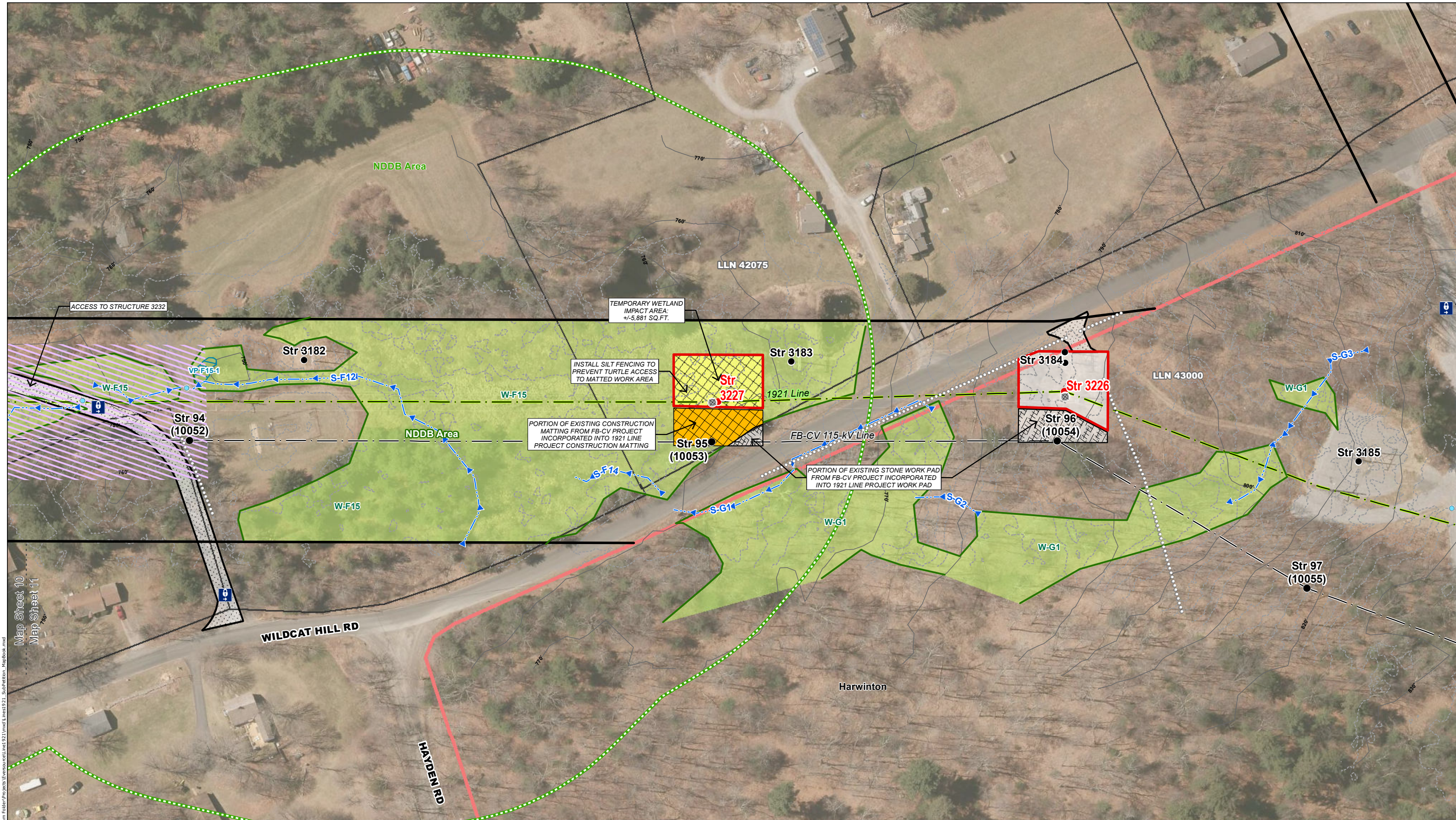
Harwinton, CT      Map Sheet 3 of 4

August, 2017

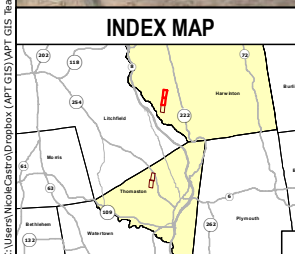
ALL-POINTS TECHNOLOGY CORPORATION

**Map Sheet 4 of 4**  
**Line 1921 Sub-Petition Structure Replacement**  
**Abutters List**

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
42075	443 Wildcat Hill Road	Harwinton	CT	Bonnie W & John W Foeller
43000	420 Wildcat Hill Road	Harwinton	CT	Connecticut Light & Power Co.



C:\Users\mccasino\Documents\AEP GIS\Map\GIS Team Folder\Projects\Eversource\area921\mxd\mst21\_Substation\_MapBook.mxd  
 Map Sheet 10  
 Map Sheet 11

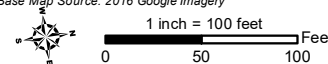


Legend	
● Proposed Sub-Petition Replacement Structure	— 10' Contour Line
● Existing Structure	- - - 2' Contour Line
■ Existing Structure to be Removed	— Railroad
□ Proposed Work Pad	— Stonewall
▨ Existing Stone Work Pad	X-X-X Fence
▨ Existing Construction Matting	Ⓜ Gate
— Existing Right-of-Way	— Designated Recreation Trail
- - - Existing FB-CV 115-kV Line (Centerline)	Ⓜ Trail Points
— 1921 Transmission Line	Ⓜ Existing Access Road
● Culvert (center)	Ⓜ Vernal Pool
— Intermittent Watercourse	Ⓜ 100-Year Flood Zone (CTDEEP)
— Perennial Watercourse	Ⓜ Floodway in Zone AE (CTDEEP)
— Wetland Boundary	Ⓜ Wetland Boundary
— Wetland Area	Ⓜ Eversource-Owned Property
▨ Proposed Temporary Construction Matting	Ⓜ State-Owned Property
Ⓜ Natural Diversity Database (June 2017)	Ⓜ Municipal Boundary
— Rare Species	Ⓜ Map Sheet Matchline

**Map Notes:**  
 Not for Construction  
 Parcel and ROW boundaries are approximate.  
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.  
 Base Map Source: 2016 Aerial Imagery (CTECO)

NO.	DATE	REVISIONS	BY	CHK	APP	APP

**EVERSOURCE ENERGY**  
**Transmission Line Maintenance**  
**1921 Line Structure Replacement**  
 Harwinton, CT      Map Sheet 4 of 4  
 August, 2017



**ATTACHMENT D**  
**ABUTTER LETTER AND**  
**PROOF OF NOTICE**



August 28, 2017

Dear Neighbor,

As part of our everyday effort to deliver reliable energy to our customers and communities, we are 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 Thomaston or Harwinton. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-TH-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 existing wood structures. The new 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 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](mailto:siting.council@ct.gov). If you send comments to the CSC, please reference Sub-Petition No 1293-TH-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](mailto:TransmissionInfo@eversource.com). Thank you.

Sincerely,

*Brian Ragozzine*

Brian Ragozzine  
Eversource Transmission Project Manager

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 August 28, 2017, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-TH-01 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipalities listed below and 4 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:

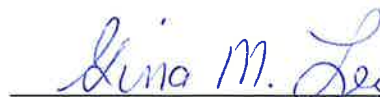
The Honorable Michael Criss, First Selectman  
Town of Harwinton  
100 Bentley Road  
Harwinton, CT 06791

The Honorable Edmond V. Mone, First Selectman  
Town of Thomaston  
Thomaston Town Hall  
158 Main Street  
Thomaston, CT 06787

  
Susan J. Bellion  
Project Siting Specialist

On this the 28<sup>th</sup> day of August, 2017, before me, the undersigned representative, personally appeared, Susan J. Bellion, 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:

**GINA M. LEO**  
**NOTARY PUBLIC**  
MY COMMISSION EXPIRES FEB. 28, 2021