



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

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

January 2, 2018

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

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

Dear Ms. Bachman:

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

Eversource notified the officials of the municipalities of Manchester and Glastonbury 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". The signature is fluid and cursive, with a long horizontal stroke 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: Manchester and Glastonbury

Sub-Petition No. 1293-MG-01

Project: 1767 Transmission Line Structure Replacement Project

Structure Location: 11 Transmission Structures located in Manchester and Glastonbury, 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 1767 Transmission Line Structure Replacement Project is part of an ongoing maintenance program that evaluates the integrity of its utility structures and implements repair, upgrade or replacement in order to assure safe and reliable transmission of power to its customers. Due to asset condition, many structures require replacement on a portion of the 1767 Line, which is a 115-kV transmission line that extends generally from Manchester Substation in Manchester to Hopewell Substation in Glastonbury, Connecticut. Of those replacements, 11 of the structures require a slight increase 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 11 existing direct-embedded wood structures with new, direct-embedded, weathering steel structures that will be 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 existing and proposed new access routes (collectively the "Work Areas"). Eversource can access the structure locations utilizing its existing rights, but is currently working with private landowners to obtain rights to utilize existing alternative off-ROW access routes that would minimize the amount of proposed new access roads that would need to be installed through wetlands within the ROW.
- b) Work Activities would result in ±34,295 square feet ("SF") of temporary wetland impacts limited to matting required for construction work pads at structures 9177, 9157 and 9120 and access roads to 3 structures as detailed in the table below:

Construction Work Pads	Access Roads	Temporary Wetlands Impact (SF)
Structure # 9177		±1,780 SF
Structure #9157		±9,570 SF
Structure #9120		±9,524 SF
	Access to structure #9157 (Map #2)	±1,570 SF
	Access to structure #9120 (Map #7)	±3,687 SF
	Access to structure #9119 (Map #7)	±8,164 SF
		TOTAL ±34,295

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.
- d) According to Eversource's review of the Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Data Base ("NDDB"), none of the Work Areas would be located within a NDDB buffered area.
- 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 Areas.
- f) A review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office ("SHPO") revealed that no previously identified archaeological site or 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, soils and SHPO file information, two of the proposed structure replacement locations (structures 9119 and 9121) as well as the associated alternate access roads were identified to possess a potential for moderate to high archaeological sensitivity. A Phase IB investigation that included a pedestrian survey confirmed structures 9119 and 9121 have moderate to high

archaeological sensitivity but the associated alternate access roads can be reclassified as no/low sensitive areas with no additional archaeological examination recommended. Shovel test pit testing performed at structures 9119 and 9121 revealed no cultural material or cultural features. Therefore, no additional archeological examination is warranted and no protective measures are required since the proposed structure replacement project will have no adverse effects on cultural resources.

- g) Increased heights of the 11 replacement structures will average approximately 7 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.
- 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 off 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.
- Potential impacts to wetlands and moderate to high archaeological sensitivity areas would be mitigated with the use of temporary wetlands and uplands matting and adherence to the BMPs.
- 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.

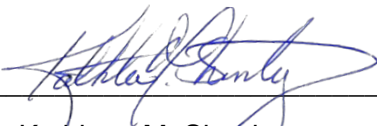
V. Access

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 wetlands matting would be used in wetlands as well as in agricultural/maintained lawn upland areas.

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

- Bidwell Street for structures 9176 and 9177 (access along an existing off-ROW road to structure 9177 from Bidwell Street would be used if rights are obtained)
- Bush Hill road for structures 9157, 9151, 9147 and 9143
- Hebron Avenue for structure 9135
- Neipsic Road for structures 9121, 9120 and 9119 (access along an existing off-ROW road to structures 9120 and 9119 from Neipsic Road would be used if rights are obtained)
- New London Turnpike for structure 9111

By: 
Kathleen M. Shanley
Manager - Transmission Siting

ATTACHMENT B
PHOTOGRAPHS AND
PHOTO SIMULATION

Structure #9120



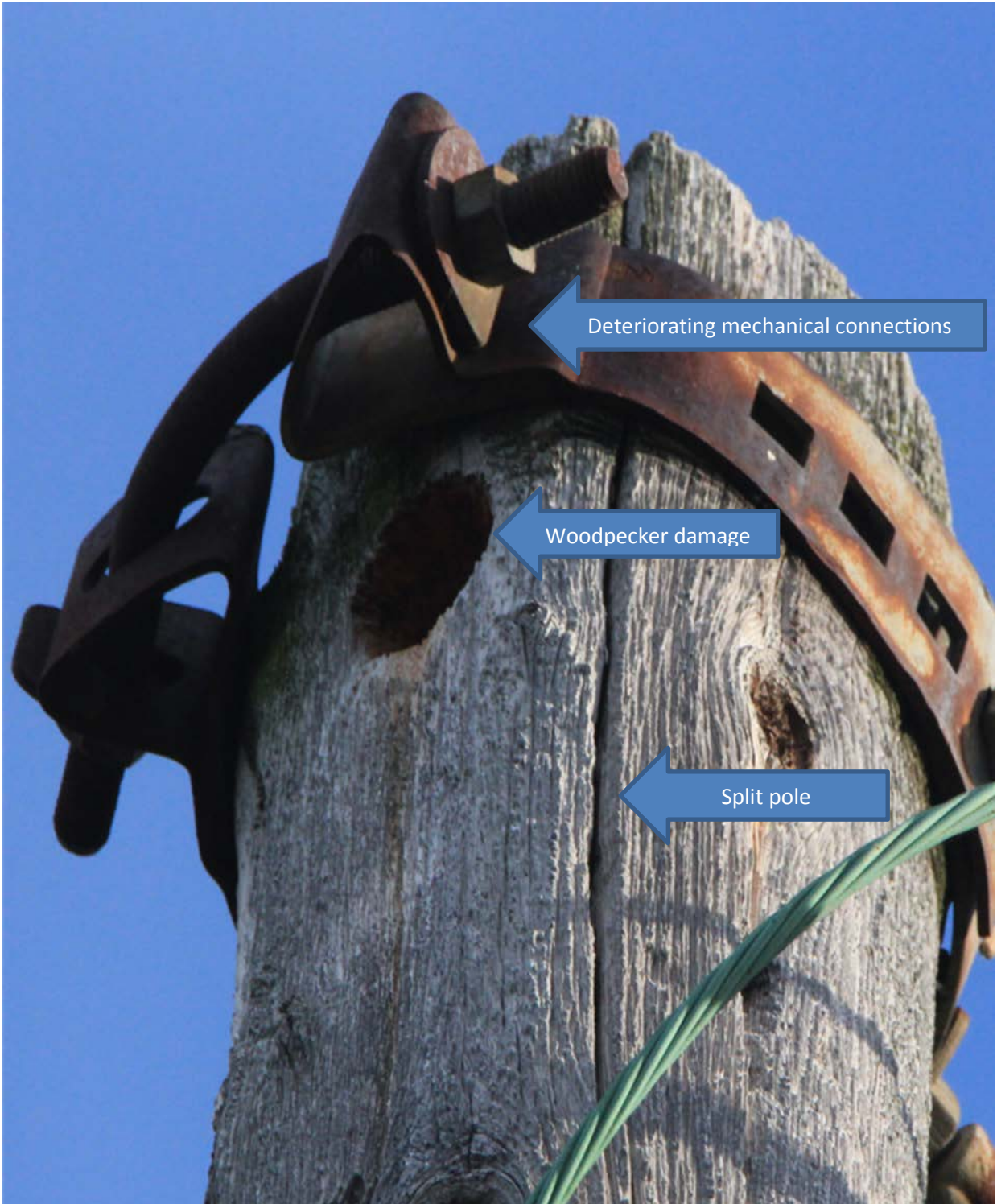
Structure #9135



Structure #9176



Structure #9143





EXISTING

1767 LINE
STRUCTURE 9121

LOCATION

NEIPSIC ROAD - GLASTONBURY, CT

ORIENTATION

SOUTH





PROPOSED

1767 LINE
STRUCTURE 9121

LOCATION

NEIPSIC ROAD - GLASTONBURY, CT

ORIENTATION

SOUTH



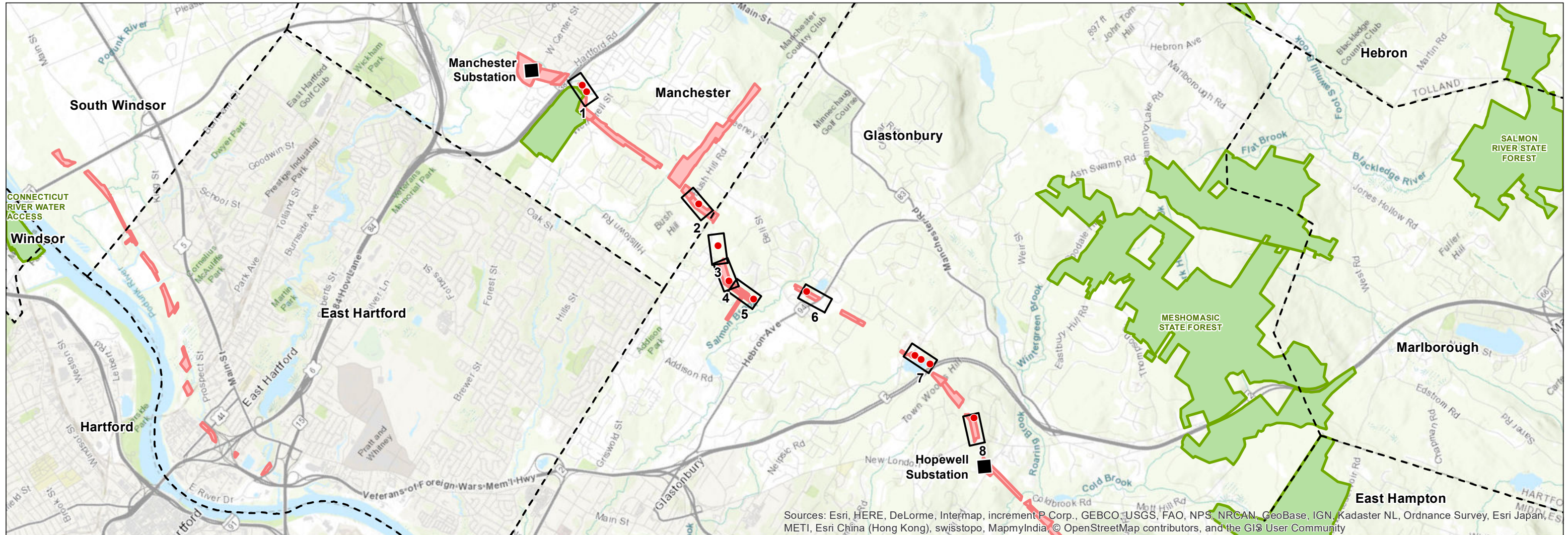
ATTACHMENT C

MAPS

Manchester Substation to Hopewell Substation (1767 Line) Structure Replacement Project

Manchester and Glastonbury, CT
Sub-Petition Map Set

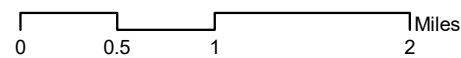
Date: January 02, 2018



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

- Proposed Structure
- Junction
- Substation
- Map Sheet
- State-Owned Property
- Eversource Owned Property



PREPARED FOR:



107 Selden Street
Berlin, CT 06037

INDEX OF FIGURES

Title Sheet / Index Map
Abutter Tables and Map Sheets

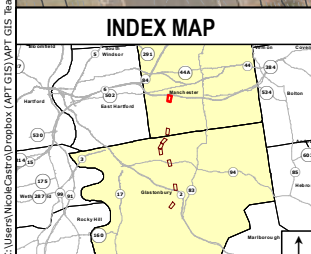
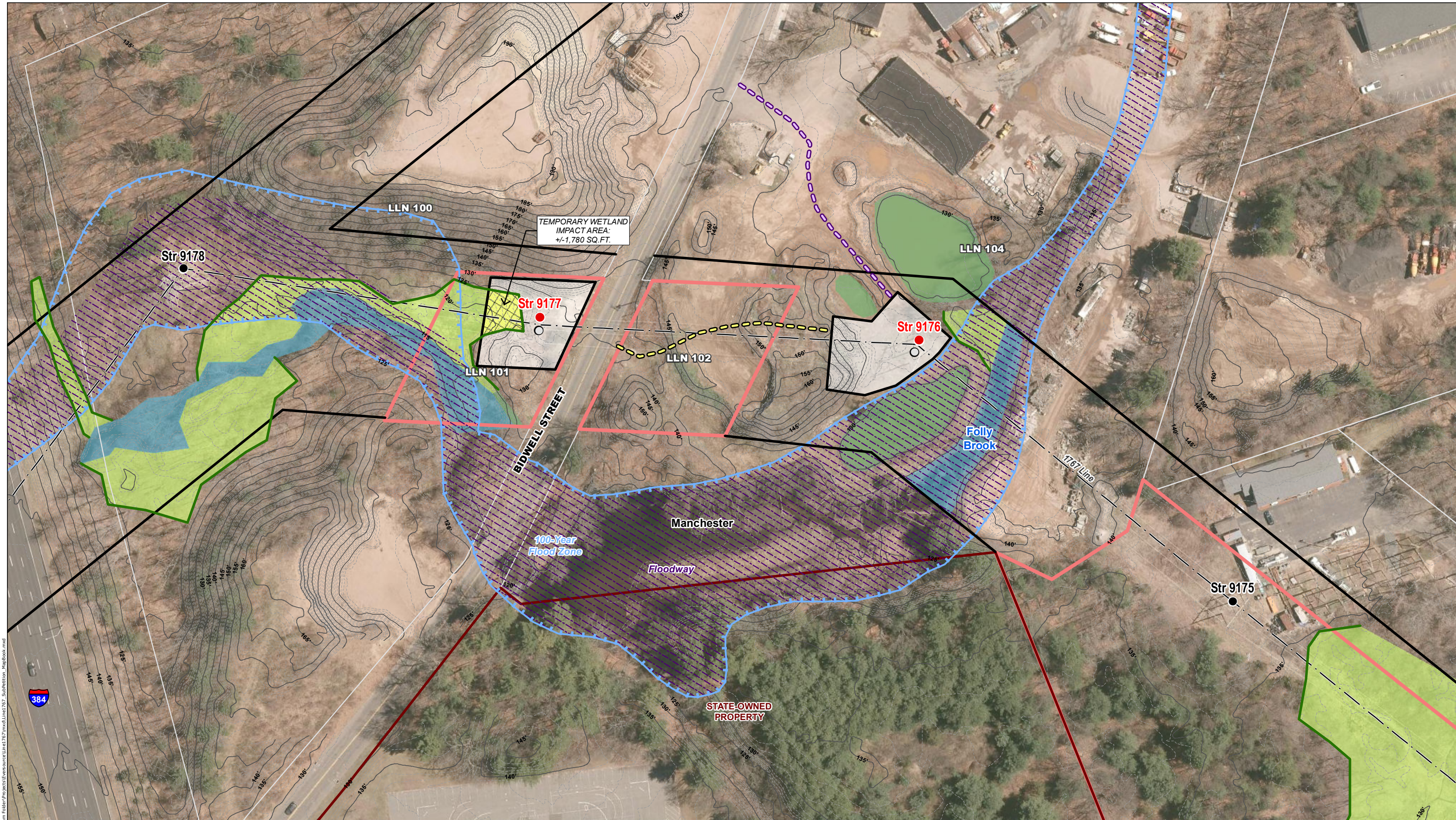
PREPARED BY:



3 Saddlebrook Drive
Killingly, CT 06419

Map Sheet 1 of 8
Manchester Substation to Hopewell Substation
(1767 Line) Structure Replacement Project
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
100	101 BIDWELL STREET	MANCHESTER	CT	THE ANDREW ANSALDI COMPANY
101	133 BIDWELL STREET	MANCHESTER	CT	CONNECTICUT LIGHT & POWER CO.
102	134 BIDWELL STREET	MANCHESTER	CT	CONNECTICUT LIGHT & POWER CO.
104	202 BIDWELL STREET	MANCHESTER	CT	THE ANDREW ANSALDI COMPANY



Legend	
○ Existing Structure to be removed	Work Pad
● Proposed Structure	Gate
● Existing Structure	Work Pad
— Existing Right-of-Way	Wetland Area
- - - Transmission Line	Open Water
- - - 5' Contour Line	Wetland Boundary
- - - 1' Contour Line	Approximate Watercourse
— Railroad (none in mapped area)	Intermittent Watercourse
○ Existing Access	Temporary Wetland Matting
○ Proposed Access	Temporary Upland Matting
○ Proposed Alternate Access Where New Rights Will Be Obtained	Natural Diversity Database (CTDEEP Dec 2017; none in mapped area)
	Critical Habitat (CTDEEP 2009; none in mapped area)
	100-Year Flood Zone (FEMA NFHL)
	Floodway (FEMA NFHL)
	Eversource-Owned Property
	State-Owned Property
	Municipal Boundary
	Map Sheet Matchline

Map Notes:
 Not for Construction; Parcel and ROW boundaries are approximate. Wetland data provided by BSC Group.
 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)

1 inch = 100 feet

0 50 100 Feet

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Manchester Substation to Hopewell Substation (1767 Line) Structure Replacement Project

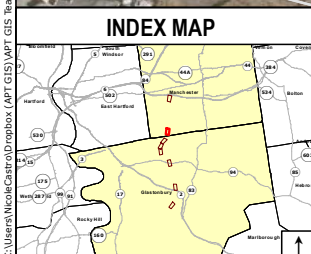
Manchester, CT Map Sheet 1 of 8

January, 2018

Map Author: N. Castro

Map Sheet 2 of 8
Manchester Substation to Hopewell Substation
(1767 Line) Structure Replacement Project
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
116	372 BUSH HILL ROAD	MANCHESTER	CT	KENNETH M. & KATHLEEN M DAURIA
117	360 BUSH HILL ROAD	MANCHESTER	CT	CONNECTICUT LIGHT & POWER CO.



Legend	
	Existing Structure to be removed
	Proposed Structure
	Existing Structure
	Existing Right-of-Way
	Transmission Line
	5' Contour Line
	1' Contour Line
	Railroad (none in mapped area)
	Existing Access
	Proposed Access
	Proposed Alternate Access Where New Rights Will Be Obtained
	Work Pad
	Gate
	Work Pad
	Wetland Area
	Open Water
	Wetland Boundary
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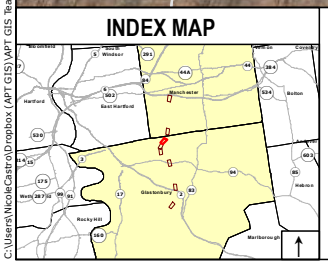
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Manchester Substation to Hopewell Substation (1767 Line) Structure Replacement Project
 Manchester, CT Map Sheet 2 of 8
 January, 2018
 Map Author: N. Castro

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Map Sheet 3 of 8
Manchester Substation to Hopewell Substation
(1767 Line) Structure Replacement Project
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
202	BELL STREET	GLASTONBURY	CT	TOWN OF GLASTONBURY
212	262 E OPAL DRIVE	GLASTONBURY	CT	KRISTIN & RISHI KAPUR
214	DEERFIELD DRIVE	GLASTONBURY	CT	TOWN OF GLASTONBURY



- Legend**
- Existing Structure to be removed
 - Proposed Structure
 - Existing Structure
 - Existing Right-of-Way
 - - - Transmission Line
 - 5' Contour Line
 - - - 1' Contour Line
 - Railroad (none in mapped area)
 - Existing Access
 - Proposed Access
 - Proposed Alternate Access Where New Rights Will Be Obtained

- Work Pad
- Gate
- Work Pad
- Wetland Area
- Open Water
- Wetland Boundary
- Approximate Watercourse
- Intermittent Watercourse
- Temporary Wetland Matting
- Temporary Upland Matting
- Natural Diversity Database (CTDEEP Dec 2017; none in mapped area)
- Critical Habitat (CTDEEP 2009; none in mapped area)
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- Floodway (FEMA NFHL)
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- State-Owned Property
- Municipal Boundary
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EVERSOURCE ENERGY

Manchester Substation to Hopewell Substation (1767 Line) Structure Replacement Project

Glastonbury, CT Map Sheet 3 of 8

January, 2018

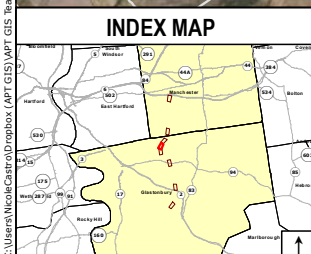
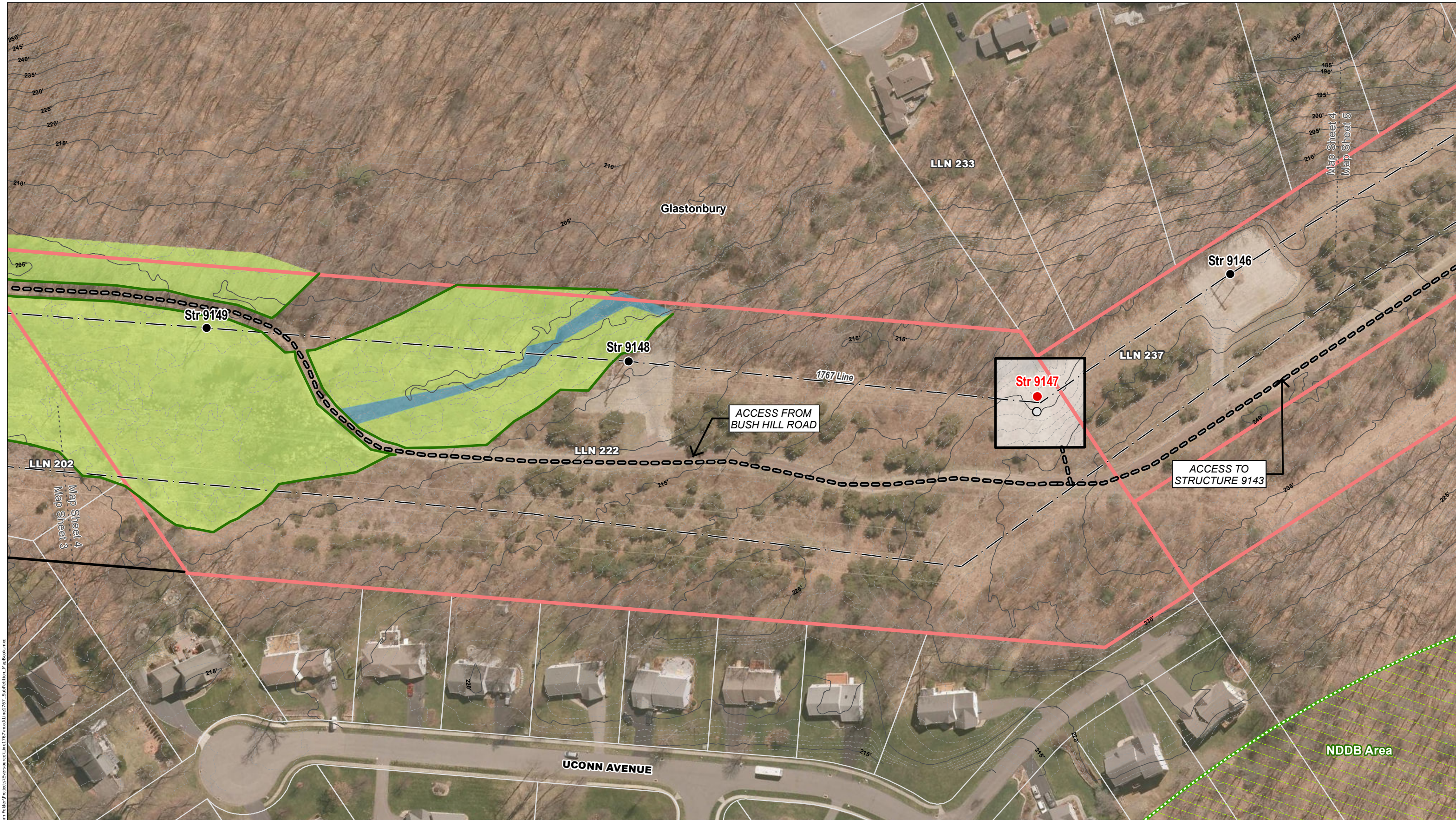
Map Author: N. Castro

ALL-POINTS TECHNOLOGY CORPORATION

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Map Sheet 4 of 8
Manchester Substation to Hopewell Substation
(1767 Line) Structure Replacement Project
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
222	BELL STREET	GLASTONBURY	CT	CONNECTICUT LIGHT & POWER CO.
233	227 BELLE WOODS DRIVE	GLASTONBURY	CT	ALAN L. & MARGARET SHEA ALEIA
237	ADDISON ROAD	GLASTONBURY	CT	CONNECTICUT LIGHT & POWER CO.



Legend	
	Existing Structure to be removed
	Proposed Structure
	Existing Structure
	Existing Right-of-Way
	Transmission Line
	5' Contour Line
	1' Contour Line
	Railroad (none in mapped area)
	Existing Access
	Proposed Access
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Manchester Substation to Hopewell Substation (1767 Line) Structure Replacement Project
 Glastonbury, CT Map Sheet 4 of 8
 January, 2018
 Map Author: N. Castro

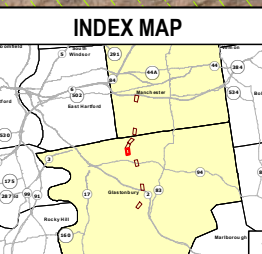
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Map Sheet 5 of 8
Manchester Substation to Hopewell Substation
(1767 Line) Structure Replacement Project
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
251	BELL STREET	GLASTONBURY	CT	TOWN OF GLASTONBURY



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EVERSOURCE ENERGY

Manchester Substation to Hopewell Substation (1767 Line) Structure Replacement Project

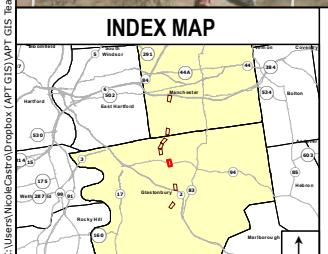
Glastonbury, CT Map Sheet 5 of 8

January, 2018

Map Author: N. Castro

Map Sheet 6 of 8
Manchester Substation to Hopewell Substation
(1767 Line) Structure Replacement Project
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
254	1485 HEBRON AVENUE	GLASTONBURY	CT	JANE NORRISS JACOBSON FAM TRUST C/O DEBORAH G. GRANTHAM TRUSTEE
255	1492 HEBRON AVENUE	GLASTONBURY	CT	CONNECTICUT LIGHT & POWER CO.



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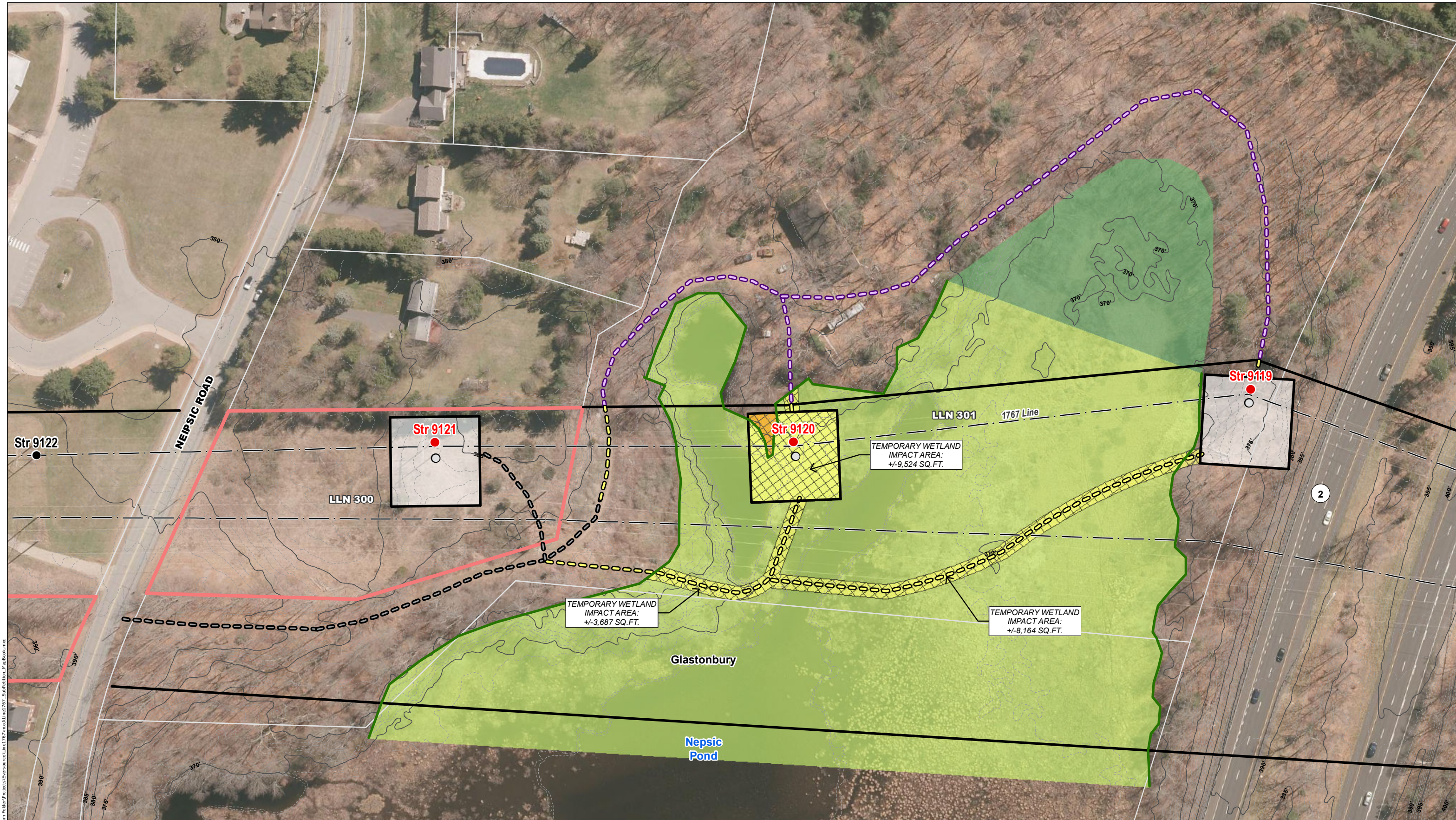
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Manchester Substation to Hopewell Substation (1767 Line) Structure Replacement Project
 Glastonbury, CT Map Sheet 6 of 8
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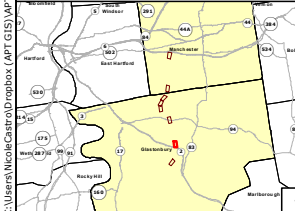
Map Sheet 7 of 8
Manchester Substation to Hopewell Substation
(1767 Line) Structure Replacement Project
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
300	NEIPSIC ROAD	GLASTONBURY	CT	CONNECTICUT LIGHT & POWER CO.
301	990 NEIPSIC ROAD	GLASTONBURY	CT	RESOURCE PROPERTIES LLC. C/O GEORGE LEWIS



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INDEX MAP



Legend

- Existing Structure to be removed
- Proposed Structure
- Existing Structure
- Existing Right-of-Way
- - - Transmission Line
- 5' Contour Line
- - - 1' Contour Line
- Railroad (none in mapped area)
- Existing Access
- Proposed Access
- Proposed Alternate Access Where New Rights Will Be Obtained
- Work Pad
- Gate
- Wetland Area
- Open Water
- Wetland Boundary
- Approximate Watercourse
- Intermittent Watercourse
- Temporary Wetland Matting
- Temporary Upland Matting
- Natural Diversity Database (CTDEEP Dec 2017; none in mapped area)
- Critical Habitat (CTDEEP 2009; none in mapped area)
- 100-Year Flood Zone (FEMA NFHL)
- Floodway (FEMA NFHL)
- Eversource-Owned Property
- State-Owned Property
- Municipal Boundary
- Map Sheet Matchline

Map Notes:
 Not for Construction; Parcel and ROW boundaries are approximate.
 Wetland data provided by BSC Group.
 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)

1 inch = 100 feet

0 50 100 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

Manchester Substation to Hopewell Substation (1767 Line) Structure Replacement Project

Glastonbury, CT Map Sheet 7 of 8

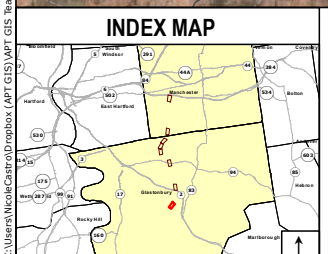
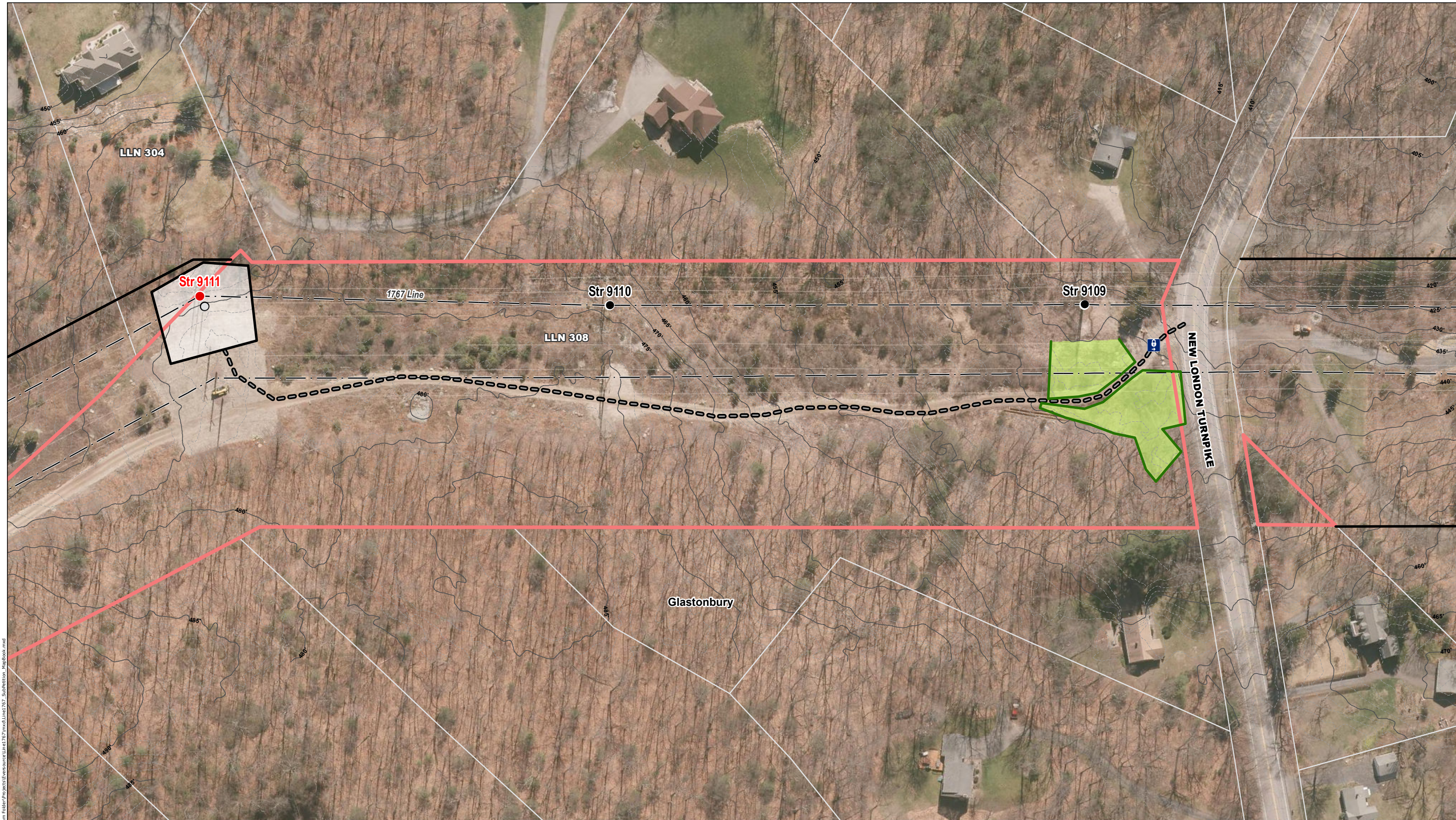
January, 2018

Map Author: N. Castro

ALL-POINTS TECHNOLOGY CORPORATION

Map Sheet 8 of 8
Manchester Substation to Hopewell Substation
(1767 Line) Structure Replacement Project
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
304	482 THREE MILE ROAD	GLASTONBURY	CT	CARLTON C. CLARKE & MICHELE M. PESCHEK
308	NEW LONDON TURNPIKE	GLASTONBURY	CT	CONNECTICUT LIGHT & POWER CO.



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Manchester Substation to Hopewell Substation (1767 Line) Structure Replacement Project
 Glastonbury, CT Map Sheet 8 of 8
 January, 2018
 Map Author: N. Castro

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ATTACHMENT D
ABUTTER LETTER AND
PROOF OF NOTICE

January 2, 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 Manchester and Glastonbury. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-MG-01 this week to the Connecticut Siting Council (CSC) for its review and approval.

About This Electric System Improvement: What You Can Expect

First, we want you to know that this work will not interrupt electric service to your property.

As part of this project, we are proposing to replace and slightly increase the height of the existing wood structure. The new, weathering steel structure 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-MG-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 January 2, 2018, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-MG-01 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipality listed below and 11 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 Manchester
Scott Shanley, General Manager
41 Center Street
Manchester, CT 06045

Town of Glastonbury
Richard L. Johnson, Town Manager
2155 Main Street
Glastonbury, CT 06033



James L. Smith
Project Siting Specialist

On this the 2 day of January, 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