



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

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

November 8, 2021

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

Re: Sub-Petition No. 1293-BL-02

Dear Attorney Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No. 1293-BL-02 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Bloomfield, Connecticut. The work includes replacing 11 existing wood transmission structures with new weathering steel transmission structures.

Eversource notified the officials of the municipality of Bloomfield 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 three (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".

Enclosures

Attachments:
Exhibit A: Sub-Petition
Exhibit B: Photographs
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: Bloomfield

Sub-Petition: 1293-BL-02

Project: 1751 Transmission Line Structure Replacement Project

Structure Locations: 11 Transmission Line Structures located in Bloomfield, 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 1751 Transmission Line Structure Replacement Project ("Project") is part of an ongoing maintenance program which evaluates the integrity of its utility structures and implements repair, upgrade or replacement in order to ensure the safe and reliable transmission of power to its customers.

Due to asset condition, 11 structures require replacement on a portion of the 1751 Line between Crestview Drive in Bloomfield and Bloomfield Junction in Bloomfield. The 1751 Line shares the same right-of-way ("ROW") with the 1777 and 1037 lines in this area. The 1751 Line in its entirety, is a 115-kilovolt ("kV") line that extends from Rood Avenue Substation in Windsor to Northwest Hartford Substation in Hartford to North Bloomfield Substation in Bloomfield.

The structures to be replaced are wood H-frame structures. To comply with current clearance requirements, each replacement structure will need to be taller than the associated existing structure.

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 11 existing wood structures with new weathering steel structures. Each replacement structure will be of the same design as its corresponding existing 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 ROW utilizing existing access roads and one proposed new permanent gravel road on Eversource property, as well as some temporary 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) Collectively, utilizing existing and temporary access roads, the Work Activities would result in approximately 38,072 square feet ("SF") of temporary wetland impacts from the temporary use of construction matting required for the construction of access roads and work pads for seven structures as follows:

Wetland Number	Structure Number	Construction Work Pads Temporary Impacts (SF)	Access Roads Temporary Impacts (SF)
W5	10175	±6,952	0
W5	10174	0	±6,798
W6	10174	±267	0
W9	10173	±2,553	0
W5	10172	±808	±5,311
W10	10171	±7,631	±3,108
W10	10170	±2,395	0
W14	10169	±2,249	0
<i>Subtotals:</i>		±22,855	±15,217
TOTAL:		±38,072	

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 adverse impacts to vernal pools ("VP") or vernal pool envelopes ("VPE") are anticipated from the proposed Work Activities. However, two VPEs have been identified within Work Areas. Portions of the existing access road to Structure 10169 are located within the VPEs associated with VP2 and VP3. The existing access roads at these locations are established and would not be widened or altered and vegetation removal would be limited to hand clearing only. Vernal pool species protection measures will be implemented where Work Activities extend into the VPEs. With the implementation of these protective measures, no adverse impacts to VP2 or VP3 are anticipated from the proposed Work Activities.
- d) Based on review of the Connecticut Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Database ("NDDB"), the Work Activities associated with access roads and and/or work pads for Structures 10173, 10172, 10171, 10170 and 10169 are proposed within NDDB buffered areas and wetland jurisdictional areas and/or CTDEEP owned/managed land and therefore are subject to a NDDB review request. Eversource will consult with CTDEEP regarding the proposed Work Activities in the NDDB areas and adhere to any state-listed species protection measures recommended by CTDEEP, as necessary. Any recommended measures will be incorporated into Eversource's BMPs during construction. 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 will need to undertake tree trimming and/or vegetation removal/mowing to establish required conductor clearance, to improve access roads, and/or to install work pads within 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 Register of Historic Places properties/districts or archaeological sites within 500 feet of the Work Areas. Based on a review of historic maps, aerial photographs, and available soil profiles, seven of the work pad locations and one of the access road locations were identified to possess a potential for moderate to high archaeological sensitivity. Based on the results of a Pedestrian Survey, five work pad locations and the access road location retained the initial archaeological sensitivity assessment of moderate to high and Heritage recommended a Phase IB Cultural Resource Assessment and Reconnaissance Survey (shovel pit testing).

Heritage completed a Phase 1B survey on October 15, 2021 and found no cultural materials, evidence of archaeological features, or soil anomalies within the work areas. Therefore, Heritage determined that no further examination of the Work Areas is necessary and no impacts to cultural resources are anticipated as a result of the proposed Work Activities.

- g) Increases in the heights of the 11 replacement structures will average approximately 4.5 feet to comply with current clearance requirements. All structure height increases will be less than 10 feet.
- h) Work Activities associated with Structures 10175 and 10172 will be undertaken partially within the mapped 100-year flood zone associated with Beaman's Brook. Work Activities associated with Structures 10169, 10170 and 10171 will be undertaken partially within the mapped 100-year flood zone associated with several unnamed tributaries to Beaman's Brook. Eversource would utilize the BMPs to minimize any impacts to the flood zones by utilizing temporary construction matting and/or by not placing fill that would increase the elevations of the road surfaces or work pads to ensure that the floodplain hydrology would not be adversely affected. With these protective measures and the use of the BMPs, no adverse impacts to the 100-year flood zones are anticipated from the proposed Work Activities.
- 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.
- Potential impacts to the 100-year flood zones would be avoided with adherence to the BMPs and the use of temporary construction matting.

- Vernal pool protective measures will be incorporated into the Eversource BMPs during construction.
- Any NDDB recommended rare species protective measures will be incorporated into Eversource's BMPs during construction.
- 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 to 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 establishing 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.

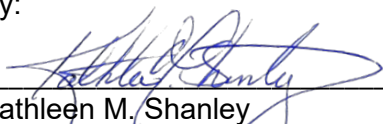
V. Access:

One new permanent access road would be constructed in an upland area to facilitate access to structure 10181. 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, as well as in maintained 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 in Bloomfield follows:

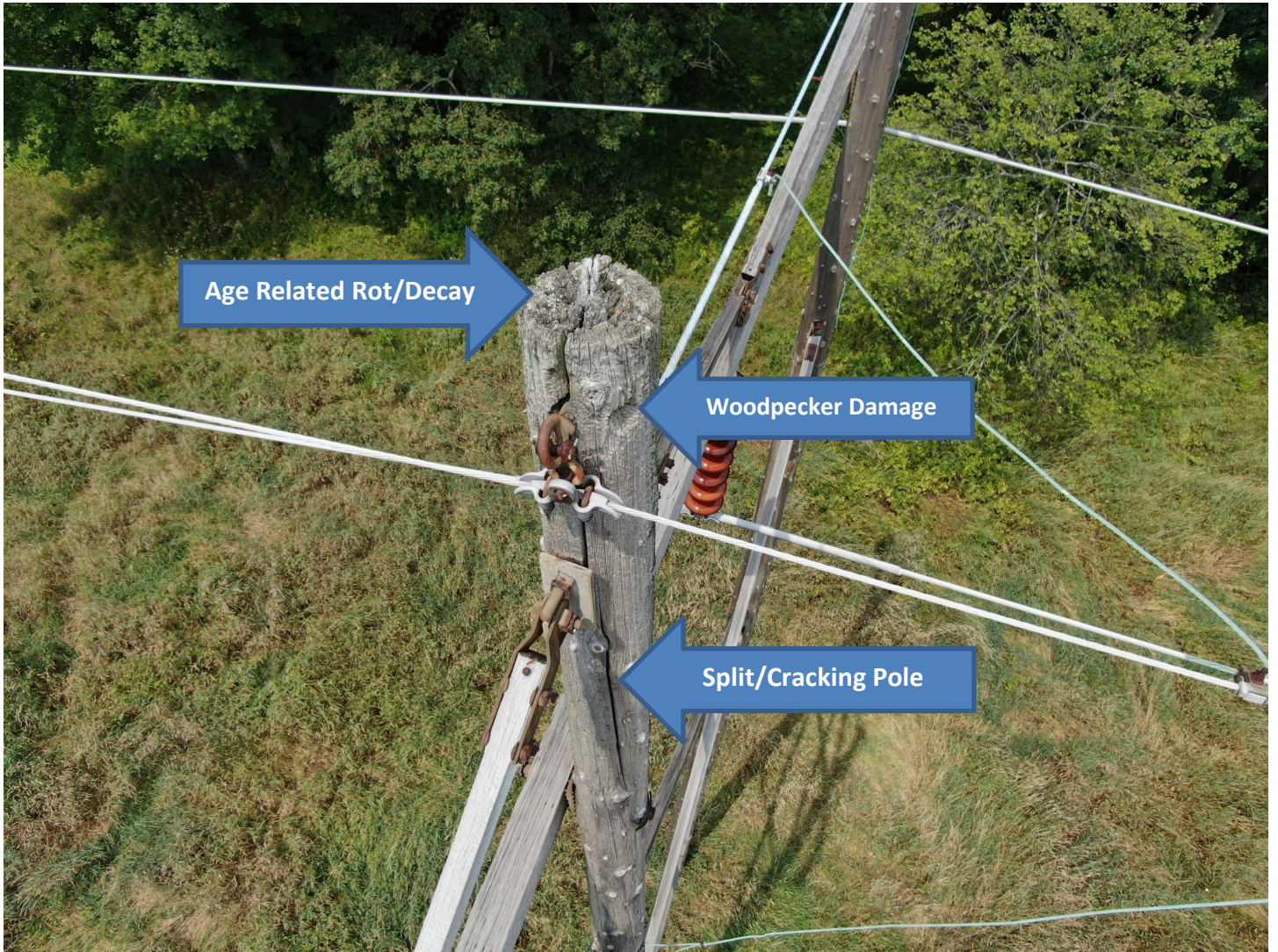
- Crestview Drive for structure 10181.
- Florence Road for structures 10179, 10178 and 10177.
- Wintonbury Avenue for structures 10175, 10174, 10173 and 10172.
- Blue Hills Avenue (State Route 187) for structures 10171, 10170 and 10169

By:


 Kathleen M. Shanley
 Manager - Transmission Siting

ATTACHMENT B
PHOTOGRAPHS

Structure #10172



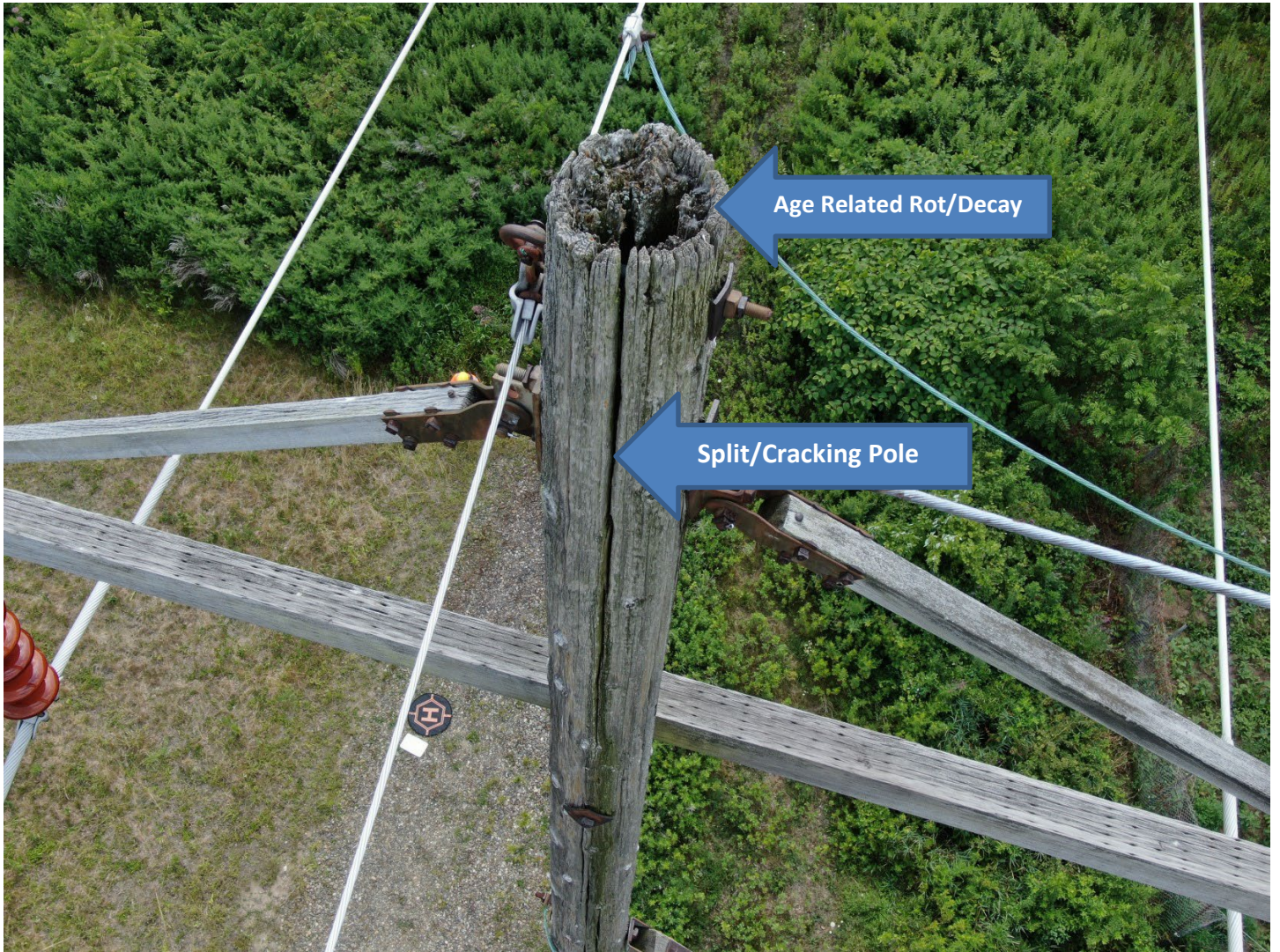
Structure #10173



Structure #10174



Structure #10177



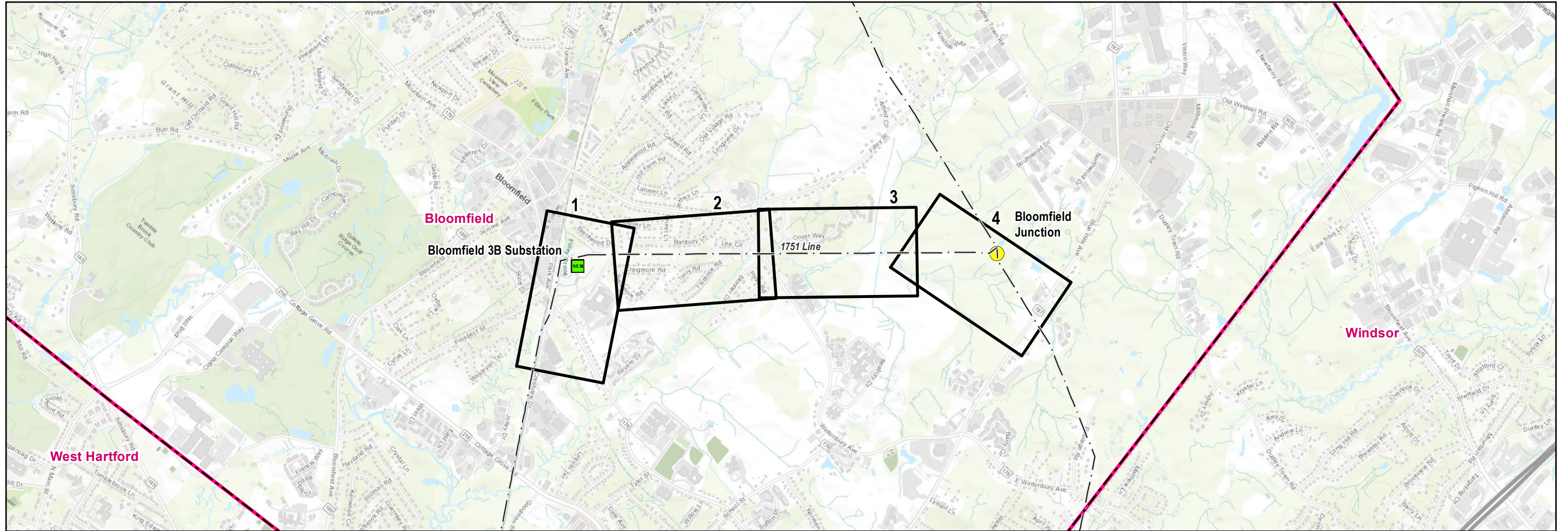
ATTACHMENT C

MAPS

1751 Line - Structure Replacement Project

Bloomfield, CT Sub-Petition Map Set

October 28, 2021



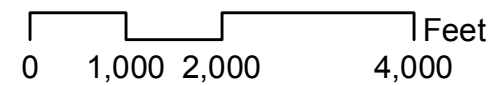
Legend

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

PREPARED FOR:

EVERSOURCE
ENERGY

107 Selden Street
Berlin, CT 06037



INDEX OF FIGURES
Title Sheet & Index Map
1-4 Map Sheets

NO.	DATE	REVISIONS	BY	CHK	APP	APP	

PREPARED BY:

AECOM

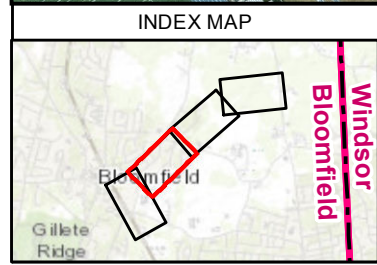
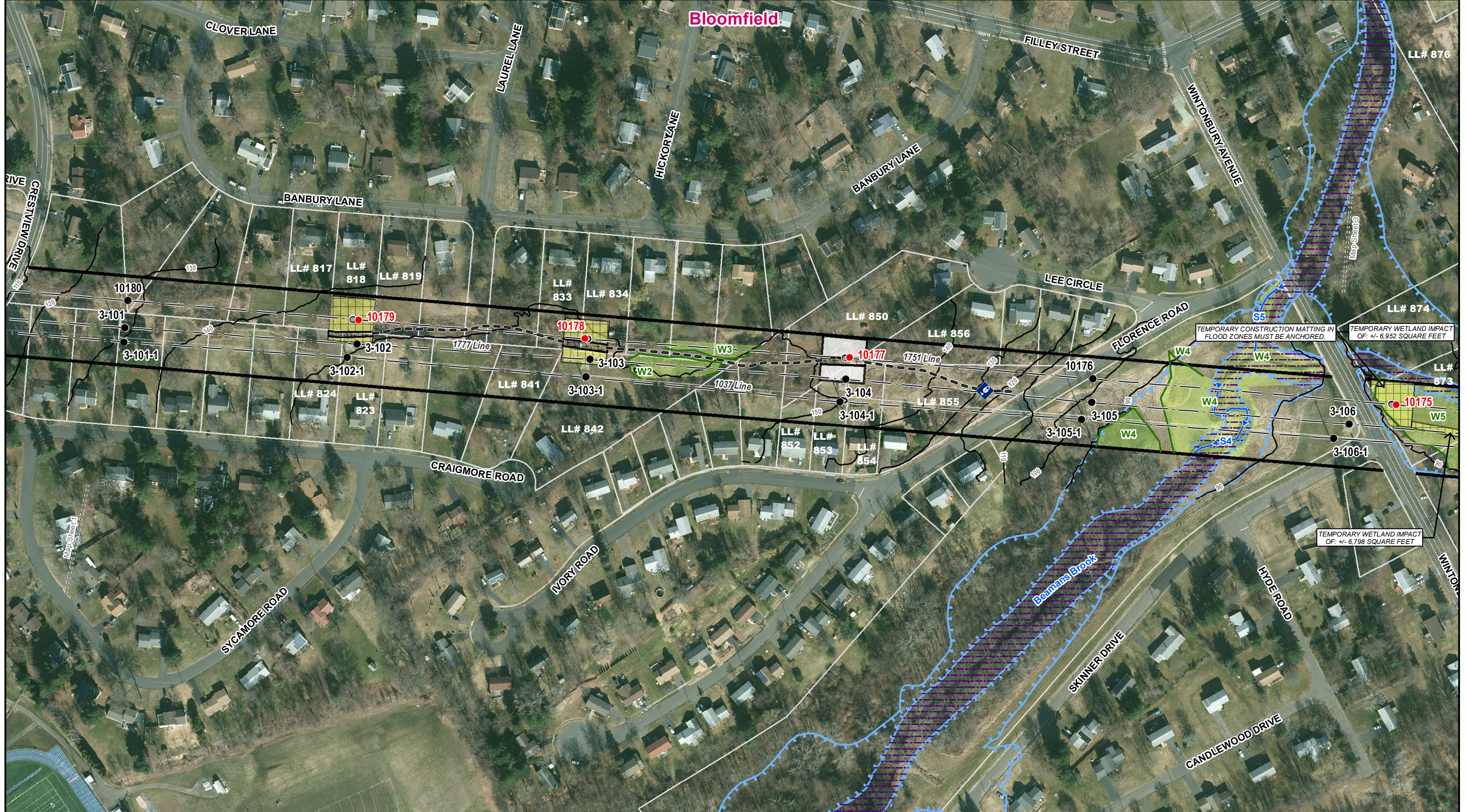
500 Enterprise Drive
Rocky Hill, CT 06067

Map Sheet 1 of 4
1751 Line - Structure Replacements Project
Project Abutters List

Line List Number	Owner Name	Parcel Address	City	State	Zip Code
800	THE CONNECTICUT LIGHT & POWER COMPANY	682 PARK AVENUE	BLOOMFIELD	CT	06002
808	HENRIETTA & RAYMOND SAILOR	36 BRENTWOOD DRIVE	BLOOMFIELD	CT	06002
809	AUDREY BIRTHWRIGHT & MANSEL LEWIN	38 BRENTWOOD DRIVE	BLOOMFIELD	CT	06002
810	ROSE STAINROD	20 CRESTVIEW DRIVE	BLOOMFIELD	CT	06002

Map Sheet 2 of 4
 1751 Line - Structure Replacements Project
 Project Abutters List

Line List Number	Owner Name	Parcel Address	City	State	Zip Code
817	MOSAIC	35 BANBURY LANE	BLOOMFIELD	CT	06002
818	MARRETT A CLUNIE	33 BANBURY LANE	BLOOMFIELD	CT	06002
819	PAULETTE LAWRENCE	31 BANBURY LANE	BLOOMFIELD	CT	06002
823	ELIZABETH SULLIVAN	17 CRAIGEMORE ROAD	BLOOMFIELD	CT	06002
824	ELIZABETH ATTA-POKU	15 CRAIGEMORE ROAD	BLOOMFIELD	CT	06002
833	CAROLYN A LEE	25 BANBURY LANE	BLOOMFIELD	CT	06002
834	AGNES V MACBETH EST VENETTA MACBETH EXECUTRIX	23 BANBURY LANE	BLOOMFIELD	CT	06002
841	DONNA M NICHOLS	23 CRAIGEMORE ROAD	BLOOMFIELD	CT	06002
842	MARK A DAVIS	25 CRAIGEMORE ROAD	BLOOMFIELD	CT	06002
850	UCOL DAVIS & LORRAINE MORRIS-DAVIS	9 LEE CIRCLE	BLOOMFIELD	CT	06002
852	MAXINE P MILLER	6 IVORY ROAD	BLOOMFIELD	CT	06002
853	ERIC & SHAVAUGHN ROBINSON	4 IVORY ROAD	BLOOMFIELD	CT	06002
854	EARL EDWARDS & SONIA THOMAS	2 IVORY ROAD	BLOOMFIELD	CT	06002
856	MARJORIE A CHAMBERS	7 LEE CIRCLE	BLOOMFIELD	CT	06002
873	JOHN C & TYESHA WOOD	132 WINTONBURY AVENUE	BLOOMFIELD	CT	06002
874	THOMAS A SMITH & DELIA ARROYO	128 WINTONBURY AVENUE	BLOOMFIELD	CT	06002



● Proposed Structure ● Existing Structure ○ Existing Structure to be Removed - - - Existing Access Temporary Construction Matting Stone Work Pad	Str Label Str Label Str Label	Existing Gravel Existing Right-of-Way (ROW) Open Water FEMA 100-Year Flood Zone Floodway	Parcel Boundary Delineated Perennial Watercourse Delineated Wetland Boundary Field Delineated Wetland 105 LLNs/Property Owner	10' Contour Lines Gate
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EVERSOURCE ENERGY

1751 Line - Structure Replacement Project

Bloomfield, CT

Map Sheet 2 of 4

10/28/2021

1 inch = 200 feet

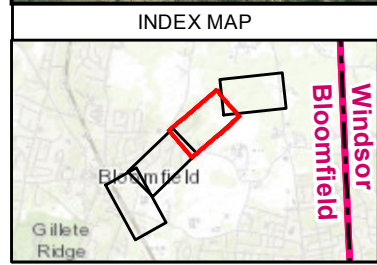
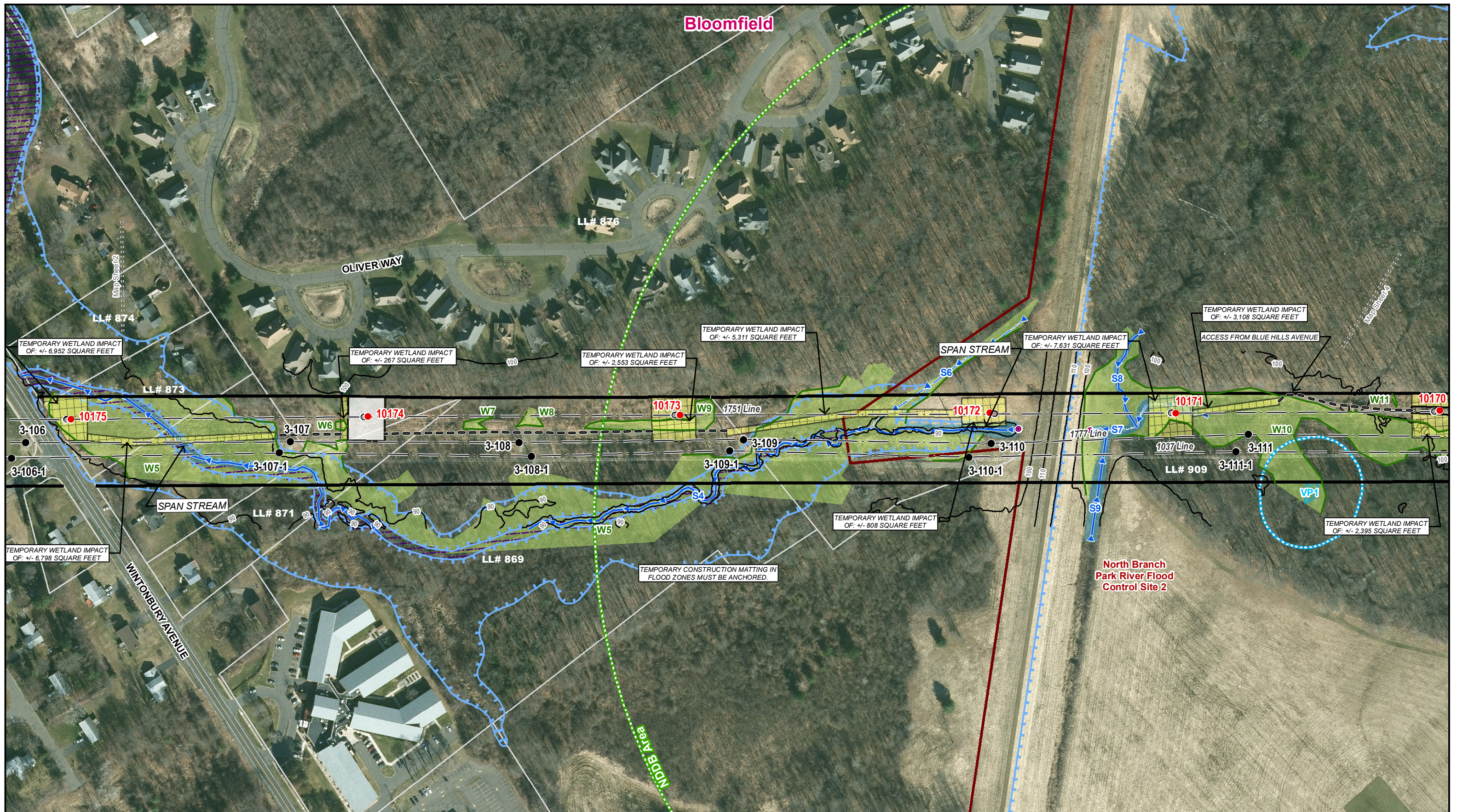
NO.	DATE	REVISIONS	BY	CHK	APP	APP

Note regarding Northern Long-Eared Bat (NLEB): As of 8/24/2021 the town of Bloomfield was not identified as a town with known NLEB Hibernacula in the "Northern long-eared bat areas of concern in Connecticut to assist with Federal Endangered Species Act Compliance" (https://portal.ct.gov/-/media/DEEP/Endangered_species/images/nlebmappdf.pdf) or identified in the "Connecticut Critical Habitats" dataset published by the State of Connecticut, Department of Environmental Protection (2009). There is no known NLEB maturity root trees; however the entire State is considered to be summer habitat for NLEB.

Note regarding New England Cottontail (NEC): As of 8/24/2021, the town of Bloomfield was not identified as towns within any NEC Focus Areas.

Map Sheet 3 of 4
1751 Line - Structure Replacements Project
Project Abutters List

Line List Number	Owner Name	Parcel Address	City	State	Zip Code
869	FEDERATION HOMES INC C/O VESTA MANAGEMENT	156 WINTONBURY AVENUE	BLOOMFIELD	CT	06002
871	KINGSLEY R WILLIAMS	140 WINTONBURY AVENUE	BLOOMFIELD	CT	06002
873	JOHN C & TYESHA WOOD	132 WINTONBURY AVENUE	BLOOMFIELD	CT	06002
874	THOMAS A SMITH & DELIA ARROYO	128 WINTONBURY AVENUE	BLOOMFIELD	CT	06002
876	GLENWOOD GREEN CONDOS MANAGEMENT COMPANY IMAGINEERS	OLIVER WAY	BLOOMFIELD	CT	06002
909	STATE OF CONNECTICUT C/O DOT	WINTONBURY AVENUE	BLOOMFIELD	CT	06002



● Proposed Structure ● Existing Structure ○ Existing Structure to be Removed	Str Label Str Label Str Label	Existing Gravel Culvert Existing Right-of-Way (ROW) State-Owned Property Rare Species (June 2021)	Open Water FEMA 100-Year Flood Zone Floodway Parcel Boundary Delineated Intermittent Watercourse	Delineated Perennial Watercourse Delineated Wetland Boundary Field Delineated Wetland Confirmed Vernal Pool 100' Vernal Pool Envelope	105 LLNs/Property Owner 10' Contour Lines
--- Existing Access Temporary Construction Matting Stone Work Pad					

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

1751 Line - Structure Replacement Project

Bloomfield, CT

Map Sheet 3 of 4

10/28/2021

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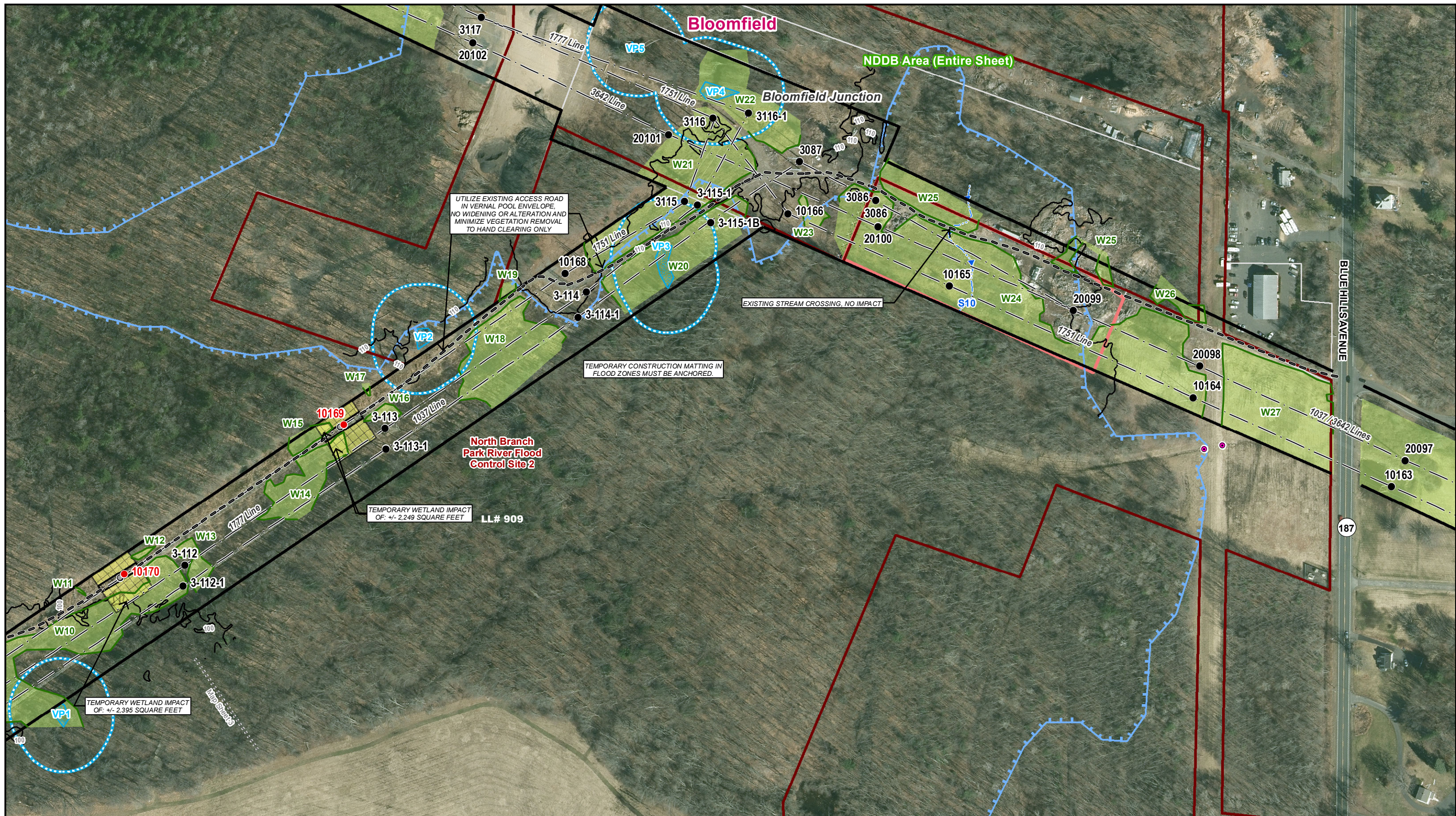
Note regarding Northern Long-Eared Bat (NLEB): As of 8/24/2021 the town of Bloomfield was not identified as a town with known NLEB Hibernacula in the "Northern long-eared bat areas of concern in Connecticut to assist with Federal Endangered Species Act Compliance" (https://portal.ct.gov/-/media/DEEP/Endangered_Species/Images/nlebmappdf.pdf) or identified in the "Connecticut Critical Habitats" dataset published by the State of Connecticut, Department of Environmental Protection (2009). There is no known NLEB maturity roost trees; however the entire State is considered to be summer habitat for NLEB.

Note regarding New England Cottontail (NEC): As of 8/24/2021, the town of Bloomfield was not identified as towns within any NEC Focus Areas.

1 inch = 200 feet
0 50 100 200 Feet

Map Sheet 4 of 4
1751 Line - Structure Replacements Project
Project Abutters List

Line List Number	Owner Name	Parcel Address	City	State	Zip Code
909	STATE OF CONNECTICUT C/O DOT	WINTONBURY AVENUE	BLOOMFIELD	CT	6002



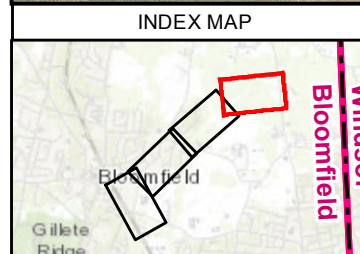
UTILIZE EXISTING ACCESS ROAD IN VERNAL POOL ENVELOPE. NO WIDENING OR ALTERATION AND MINIMIZE VEGETATION REMOVAL TO HAND CLEARING ONLY.

EXISTING STREAM CROSSING, NO IMPACT

TEMPORARY CONSTRUCTION MATTING IN FLOOD ZONES MUST BE ANCHORED.

TEMPORARY WETLAND IMPACT OF: +/- 2,249 SQUARE FEET

TEMPORARY WETLAND IMPACT OF: +/- 2,395 SQUARE FEET



● Proposed Structure	Str Label	● Culvert	▭ Eversource Owned Property	▭ Confirmed Vernal Pool
● Existing Structure	Str Label	▭ Existing Right-of-Way (ROW)	▭ Parcel Boundary	▭ 100' Vernal Pool Envelope
○ Existing Structure to be Removed	Str Label	▭ State-Owned Property	▭ Delineated Intermittent Watercourse	105 LLNs/Property Owner
▭ Existing Access	▭ Rare Species (June 2021)	▭ FEMA 100-Year Flood Zone	▭ Delineated Wetland Boundary	▭ 10' Contour Lines
▭ Temporary Construction Matting	▭ Existing Gravel	▭ Field Delineated Wetland		

1 inch = 200 feet

NO. DATE REVISIONS BY CHK APP APP

EVERSOURCE ENERGY

1751 Line - Structure Replacement Project

Bloomfield, CT

Map Sheet 4 of 4

10/28/2021

AECOM

Note regarding Northern Long-Eared Bat (NLEB): As of 8/24/2021 the town of Bloomfield was not identified as a town with known NLEB Hibernacula in the "Northern long-eared bat areas of concern in Connecticut to assist with Federal Endangered Species Act Compliance" (https://portal.ct.gov/-/media/DEEP/Endangered_Species/imag/es/ntomrappdf.pdf) or identified in the "Connecticut Critical Habitats" dataset published by the State of Connecticut, Department of Environmental Protection (2009). There is no known NLEB maturity roost trees; however the entire State is considered to be summer habitat for NLEB.

Note regarding New England Cottontail (NEC): As of 8/24/2021, the town of Bloomfield was not identified as towns within any NEC Focus Areas.

ATTACHMENT D
ABUTTER LETTER AND
PROOF OF NOTICE

November 8, 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 Eversource right-of-way in Bloomfield. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-BL-02 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 11 structures due to structure age, weather, and/or woodpecker activity. The new structures will be weathering steel, with a finish that "weathers" or darkens over time. The new structures will comply with current clearance requirements and 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, 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-BL-02 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,

Scott Banack

Scott Banack
Eversource Project Manager – Transmission Projects

