



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

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

May 25, 2017

Robert Stein, Chairman  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

Re: West Side Substation Capacitor Bank Project

Dear Chairman Stein:

Attached are an original and fifteen (15) copies of a Petition on behalf of The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") requesting a Declaratory Ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed modifications at Eversource's existing West Side Substation in the Town of Middletown, Connecticut.

Prior to submitting this Petition, representatives from Eversource briefed municipal officials in Middletown about the Project. Eversource provided written notice to all abutters of the proposed work and the filing of this Petition with the Council. Maps and line lists identifying the abutting property owners who were notified of the Project are provided in Attachment B: West Side SS Aerial Map.

A check in the amount of \$625 for the required filing fee is also attached.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kathleen M. Shanley", written over a faint, larger version of the same signature.

Kathleen M. Shanley  
Manager – Transmission Siting

Attachment: Petition

cc: Mayor Daniel Drew, City of Middletown



**THE CONNECTICUT LIGHT AND POWER COMPANY doing business as**  
**EVERSOURCE ENERGY**  
PETITION TO THE CONNECTICUT SITING COUNCIL  
FOR A DECLARATORY RULING OF  
NO SUBSTANTIAL ADVERSE ENVIRONMENTAL EFFECT  
FOR THE PROPOSED MODIFICATIONS TO  
EXISTING WEST SIDE SUBSTATION IN THE CITY OF MIDDLETOWN, CONNECTICUT

**1. Introduction**

Pursuant to Section 16-50g et seq. of the Connecticut General Statutes, The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") hereby petitions the Connecticut Siting Council ("Council") for a Declaratory Ruling that a Certificate of Environmental Compatibility and Public Need ("Certificate") is not required for the proposed modifications to Eversource's existing West Side Substation in Middletown, Connecticut ("Project") that are described herein Eversource submits that no such Certificate is required because the proposed modifications would not have a substantial adverse environmental effect.

**2. Purpose of Project**

The purpose of the Project is to eliminate potential transmission low voltage violations resulting from contingencies, based on the results of the May 2014 Greater Hartford and Central Connecticut Area ("GHCC") Needs Assessment performed by Independent System Operator of New England ("ISO-NE") and in accordance with the February 2015 GHCC Solutions Study performed by ISO-NE ("Solutions Study"). This Project, in combination with other necessary system improvements identified in the Solutions Study, eliminates the identified potential transmission voltage criteria violations in the GHCC area.

Voltage violations would be addressed by installing a new 25.2- Megavolt Ampere Reactive ("MVAR") capacitor bank and associated equipment at the existing Eversource West Side Substation located at 52 Columbus Avenue in Middletown.

### 3. Project Description

The Project consists of modifications to Eversource's West Side Substation ("Substation"). The existing Substation is a 115- to 13.2-kV facility with two 115-kV transmission lines, two 115- to 13.2-kV transformers and fifteen 13.2-kV circuits. The proposed modifications are:

- a) Installation of one 25.2-MVAR capacitor bank on a new support structure.
- b) Installation of one 115-kV manual-operated disconnect switch.
- c) Installation of one 115-kV circuit breaker.
- d) Installation of one 115-kV potential transformer.
- e) Installation of three series reactors.
- f) Installation of two new lightning masts for protection of the new equipment. The height of the lightning masts would be 60 feet.
- g) Installation of underground conduits and cable, lightning arrestors, mounting and support structures, relay/controls to accommodate the new equipment.
- h) Installation of foundations for the equipment and lightning masts listed above.
- i) A 135-foot section of the existing fence would be extended approximately 85 feet on the southwest side of the Substation on property that Eversource will be acquiring. The additional area is required to accommodate the new capacitor bank and associated equipment.

The new fence section would be seven feet high with one and a quarter inch mesh with one foot of three-strand barbed wire mounted at the top of the fence and would be similar to the existing fence in height and appearance.

The proposed modifications to the Substation are shown on Attachment A: Drawing No. 18301-92001- West Side Substation Yard Arrangement - Plan & Sections – CSC and Attachment B:

4. The proposed modifications would not have a substantial adverse environmental effect because:

a) Substations Appearance

The height of the new equipment would be less than the height of the tallest existing terminal structure (approximately 54 feet) within the Substation, excluding the new lightning masts. The new equipment to be installed would be similar in appearance to the existing equipment.

The modifications would include an extension of the fence on property that Eversource will be acquiring to the southwest to accommodate the new equipment. This extension would not substantially alter the appearance of the Substation.

b) Clearing

The proposed fence extension will require the removal of approximately 10 cedar trees on Eversource property.

c) Radio and Television Interference

There would be no change to the existing television or radio interference at the Substation.

d) Sound Pressure

Sound-pressure levels at all points along properties lines would continue to meet comply with state regulations specified in Regulations of Connecticut State Agencies §§ 22a-69-1 et seq.

e) Substation Security and Lighting

The Substation has existing security measures including security cameras, an alarm system and lighting for safety and security purposes. Additional manual lighting would be installed on the two proposed lightning masts.

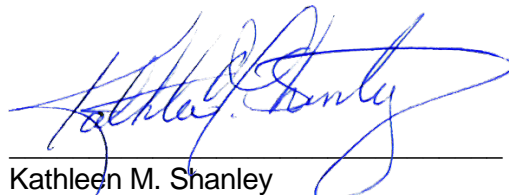
f) Environmental Effects

- Eversource's review of Natural Diversity Data Base information available via the data sharing agreement with Connecticut Department of Energy and Environmental Protection's identified that there are no state-listed endangered, threatened, or special concern species in the vicinity of the Substation.
- The modifications would not affect any wetlands or waterways. The proposed modifications are not located within a 500- or 100-year flood zone.
- Electric and magnetic field levels at the property boundary would not change as a result of the modifications.

5. Eversource proposes to begin construction during the summer of 2017 and expects that the construction would be completed by December of 2017.
6. Section 16-50k(a) of the Connecticut General Statutes provides that a Certificate of Environmental Compatibility and Public Need is needed for proposed modifications of a facility that the Council determines would have a "substantial adverse environmental effect." Eversource respectfully submits that the proposed modifications described above would not result in a substantial adverse effect on the environment or ecology, nor would they damage existing scenic, historical or recreational values. Accordingly, Eversource requests that the Council issue a Declaratory Ruling that no Certificate is required.
7. Communications regarding this Petition for a Declaratory Ruling should be directed to:

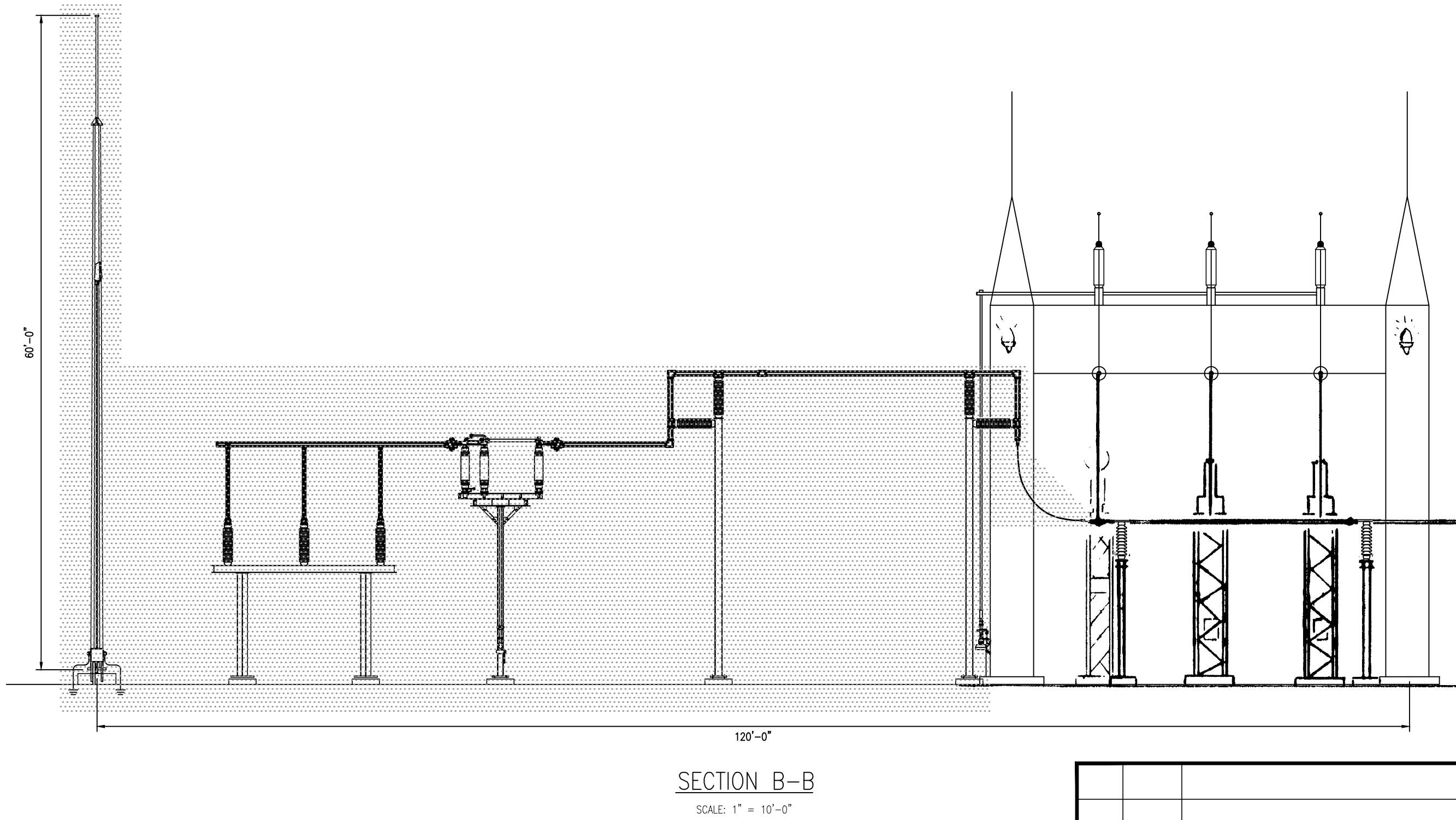
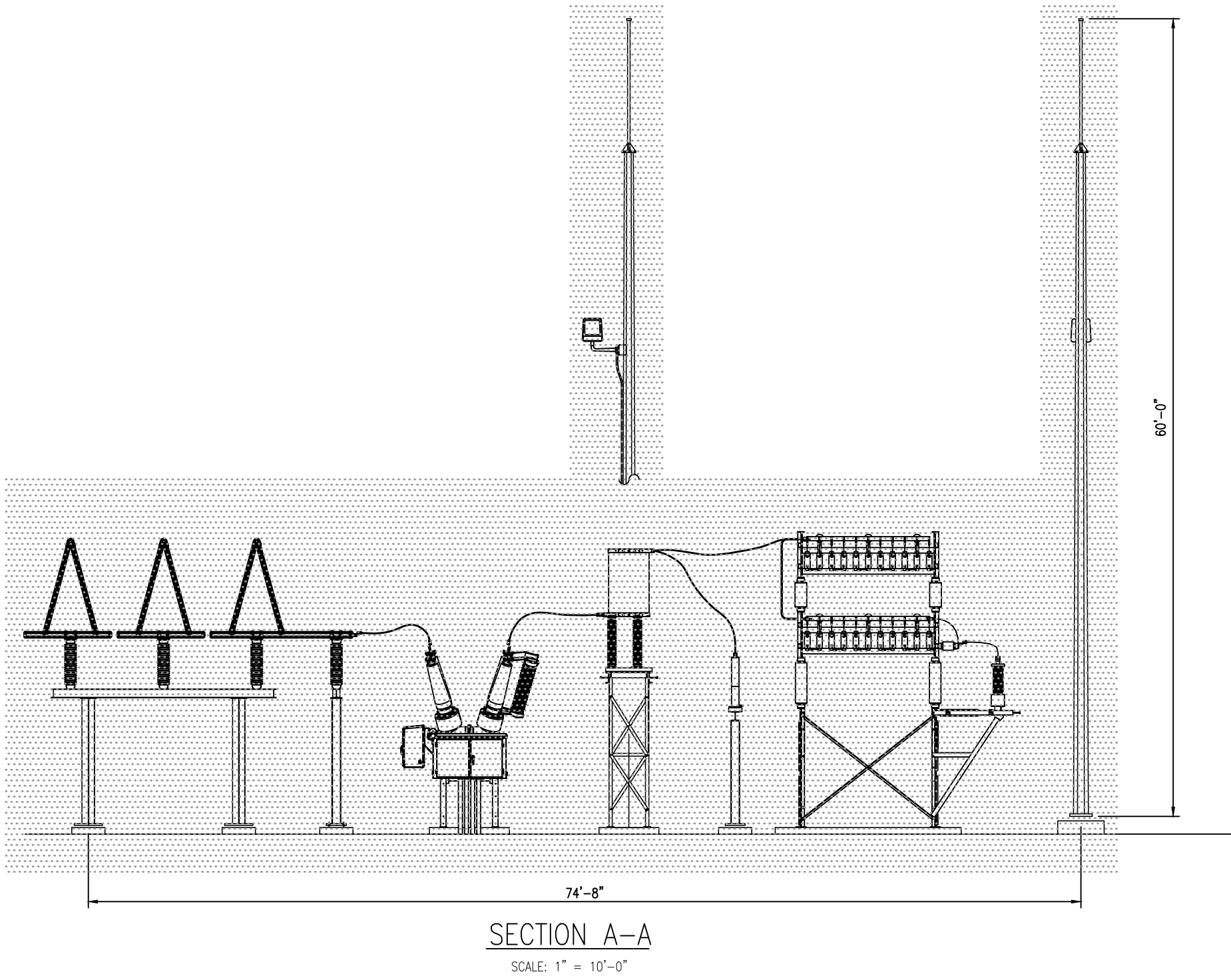
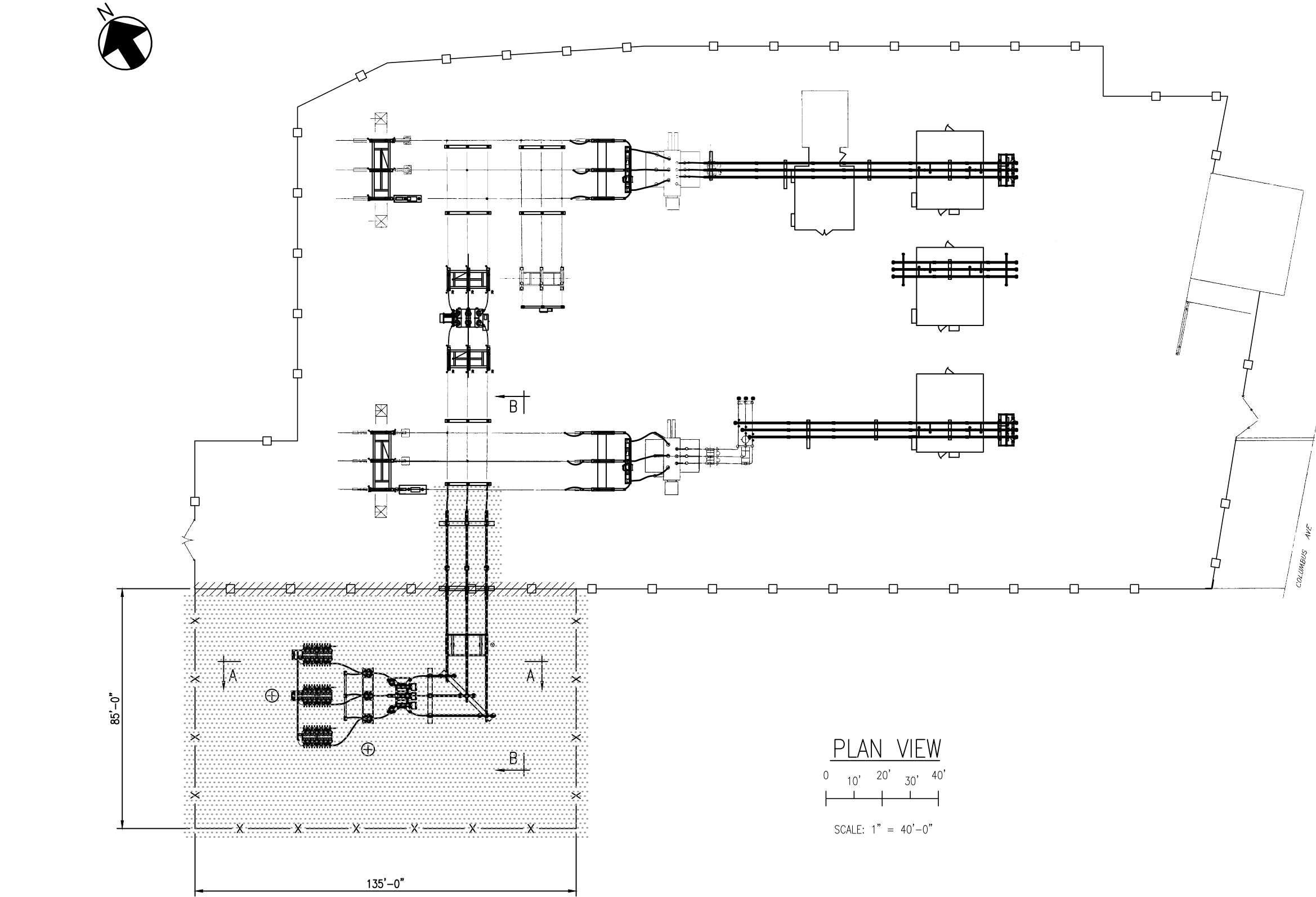
Kathleen M. Shanley  
Project Manager - Transmission Siting  
Eversource Energy  
PO Box 270  
Hartford, CT 06141-0270  
Telephone: (860) 728-4527

By:

  
\_\_\_\_\_  
Kathleen M. Shanley  
Manager – Transmission Siting

Attachments:

- Attachment A: Drawing No. 18301-92001- West Side Substation Yard Arrangement - Plan & Sections – CSC.  
Attachment B: West Side SS Aerial Map  
Attachment C: Letter to the Abutters and Affidavit

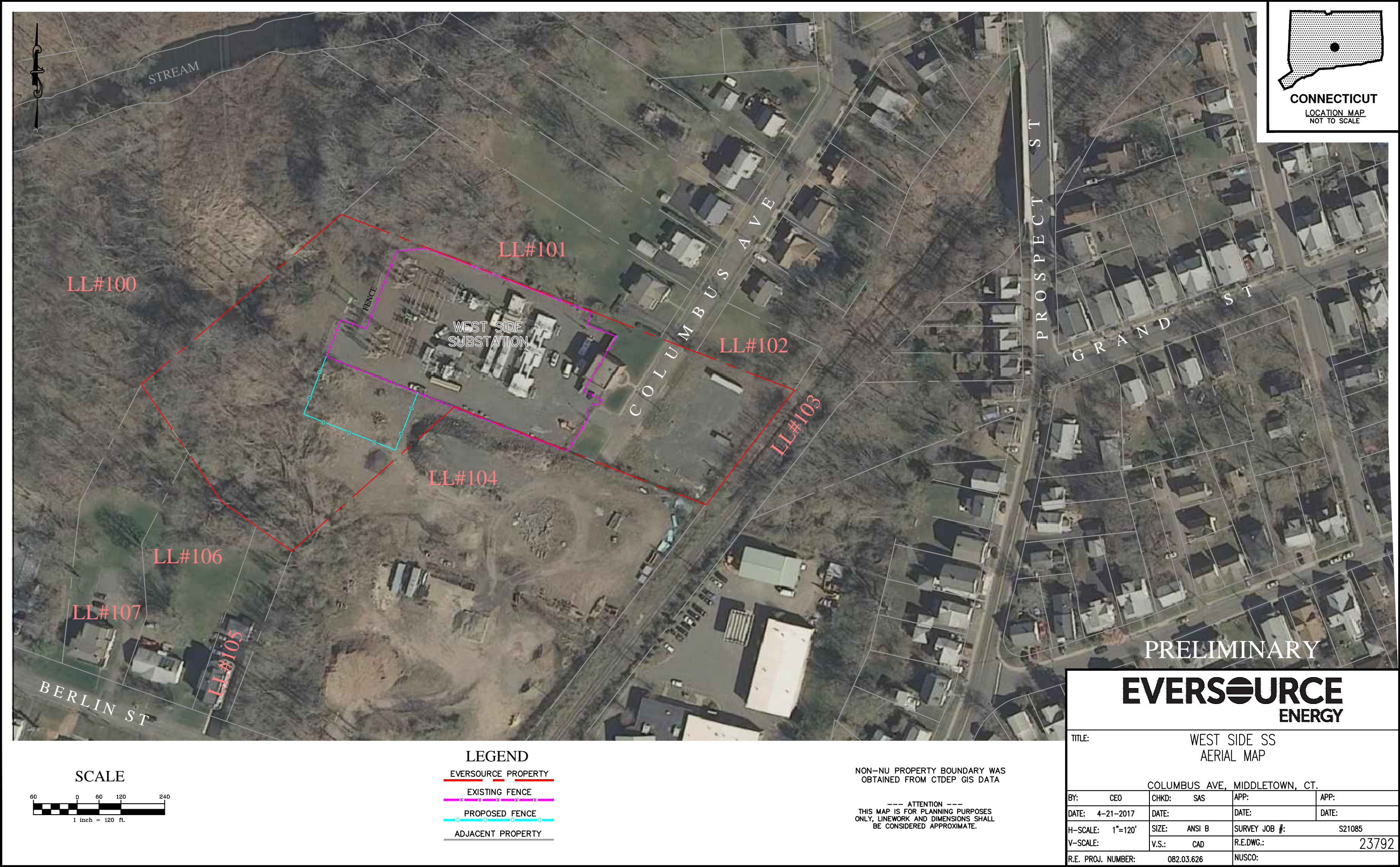


LEGEND

- EXISTING SUBSTATION FENCE
- PROPOSED EXPANDED SUBSTATION FENCE
- 2017 PROPOSED ADDITION
- 2017 PROPOSED REMOVAL

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West Side Substation Abutters		
Line List #	Owners Name	Site Address
100	SADIE LUCILLES PLACE	150 BERLIN ST
101	KLICK NANCY J & KIRSTIE A, KIRSTIE A KLICK	42 COLUMBUS AVE
102	SANTACROCE SEBASTIAN J	49 COLUMBUS AVE
103	STATE OF CONNECTICUT	BETWEEN BERLIN ST AND PROSPECT STREET
104	WATER POLLUTION CONTROL AUTHORITY & OF THE CITY OF MIDDLETOWN	116 BERLIN ST
105	GODFREY LINA R (1/2 INT), & FARBER ROSETTA MARIE(1/2 INT)	136 BERLIN ST
106	TEART JOSEPHINE	140 BERLIN ST
107	MERRICK WAYNE	144 BERLIN ST



P.O. Box 270  
Hartford, CT 06141-0270

May 25, 2017

Dear Neighbor,

As part of its ongoing commitment to deliver reliable energy and superior service to its customers, Eversource Energy ("Eversource") is submitting a petition to the Connecticut Siting Council ("CSC") to perform upgrades at the West Side Substation located at 52 Columbus Avenue in Middletown, Connecticut.

The upgrades, called the West Side Substation Project ("Project"), are required to bring the electric supply system serving the towns in Greater Hartford and Central Connecticut into compliance with national and regional reliability standards.

The proposed Project includes installation of a capacitor bank and other associated equipment at the existing West Side Substation. To accommodate this new equipment, a 135 foot section of the existing fence line would be extended by approximately 85 feet on the southwest side of the Substation on property that Eversource will be acquiring.

If the CSC approves the proposed Project, work at the West Side Substation is planned to begin in summer 2017. Completion of the Project and restoration is planned for fall 2017.

For more information about this Project, please call the Eversource Transmission Information Line at 1-800-793-2202, or send an email to [TransmissionInfo@eversource.com](mailto:TransmissionInfo@eversource.com).

If you would like to send comments regarding Eversource's petition to the CSC, please send them via e-mail to [siting.council@ct.gov](mailto:siting.council@ct.gov) or a letter to the following address:

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

Thank you.

Sincerely,

*Chris Runde*

Christopher Runde  
Project Manager - Eversource

AFFIDAVIT OF SERVICE OF NOTICE

STATE OF CONNECTICUT     )  
  ) ss. Berlin  
COUNTY OF HARTFORD     )

Sec. 16-50j-40 of the Regulations of Connecticut State Agencies ("RCSA") provides that proof of notice to the affected municipalities, owners of properties where facilities are proposed to be sited and abutting property owners shall be submitted with a petition for declaratory ruling to the Connecticut Siting Council ("Council"). In accordance with that RCSA section, I hereby certify that I caused notice of The Connecticut Light and Power Company d/b/a Eversource Energy's proposed modifications of the West Side Substation and associated transmission lines to be served by mail or courier upon the City of Middletown's official listed below and eight abutting property owners.

Municipal Official:

Mayor Daniel Drew  
City Hall  
245 deKoven Drive  
Middletown CT 06457

  
Chris Runde  
Project Manager

On this the 25 day of May, 2017, before me, the undersigned representative, personally appeared Chris Runde, 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: 5-31-2021

