



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

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

January 26, 2017

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

RE: Notice of Exempt Modification Pursuant to RCSA § 16-50j-57(a) to Existing Energy Facility Site at 388 Beckley Road in the Town of Berlin, Connecticut (“Notice of Exempt Modification”)

Dear Chairman Stein:

The Connecticut Light and Power Company doing business as Eversource Energy (“Eversource”) hereby gives notice to the Connecticut Siting Council of its intent to undertake modifications to Eversource’s Berlin Substation that are described herein (“Project”).

**Proposed Modifications**

The Project would take place at Berlin Substation (“Substation”), which is located on Eversource’s property at 388 Beckley Road in the Town of Berlin. The Substation is a 115- to 23- to 13.8-kV substation with three 115-kV transformers, and a circuit-breaker and half-configuration with three bays fully populated with six lines.

The proposed modifications are shown on Drawing No. 10706-92001 – Berlin Substation Yard Arrangement – Plan & Sections. Eversource proposes the following modifications:

- A. Replacement of one 115-kV Sulfur hexafluoride (SF<sub>6</sub>) circuit breaker with one SF<sub>6</sub> dual-circuit breaker (Section A-A).
- B. Relocation of an existing 50-MVA capacitor bank at the north end of the Substation 500 feet to the south (Section B-B)
- C. Installation of one 115-kV SF<sub>6</sub> circuit breaker. (Section B-B)
- D. Installation of one three-phase 115-kV disconnect switch. (Section B-B)

- E. Installation of three single-phase 115-kV air core current limiting reactors. (Section B-B)
- F. Installation of two lightning masts, each approximately 60 feet in height. (Section B-B)
- G. Installation of foundations for the new equipment, and associated bus supports, underground conduit, relay/controls and cables.

The Project would not have a substantial adverse environmental effect or cause a significant adverse change or alteration in the physical or environmental characteristics of the existing facility because:

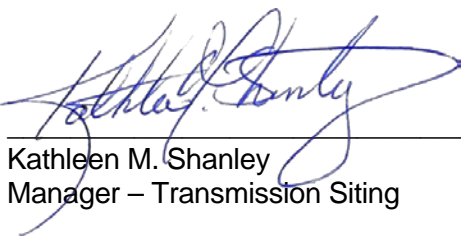
- All modifications would be made within the Substation's existing fenced area.
- All new equipment would be shorter than the tallest existing equipment within the Substation. The tallest structure in the Substation is 132 feet above ground level.
- The Project would not affect wetlands or waterways and is not in a flood zone.
- Eversource's review of the Department of Energy and Environmental Protection's Natural Diversity Data Base ("NDDB") identified no state-listed endangered, threatened, or special concern species in the vicinity of the Substation.
- One National Register of Historic Places ("NRHP") site, the Ezekiel Kelsey House at 429 Beckley Road in Berlin, is located 1,100 feet south of the Substation. The Substation is not visible from the NRHP site. Heritage Consultants LLC concluded as follows: "Since Berlin Substation is already in place, any reorganization of its internal structures will not constitute an impact to the Ezekiel Kelsey House."
- There would be no television or radio interference caused by the modifications.
- Sound-pressure levels at all points along the property line would continue to comply with state regulations.
- Electric and magnetic field levels at the Substation boundary would not change as a result of the modifications.

Eversource proposes to commence construction in March 2017. Work is scheduled to be completed by July 2017.

Enclosed are two (2) copies of this Notice of Exempt Modification along with the filing fee of \$625.00.

A notice has been provided to the Berlin Town Manager, Denise McNair.

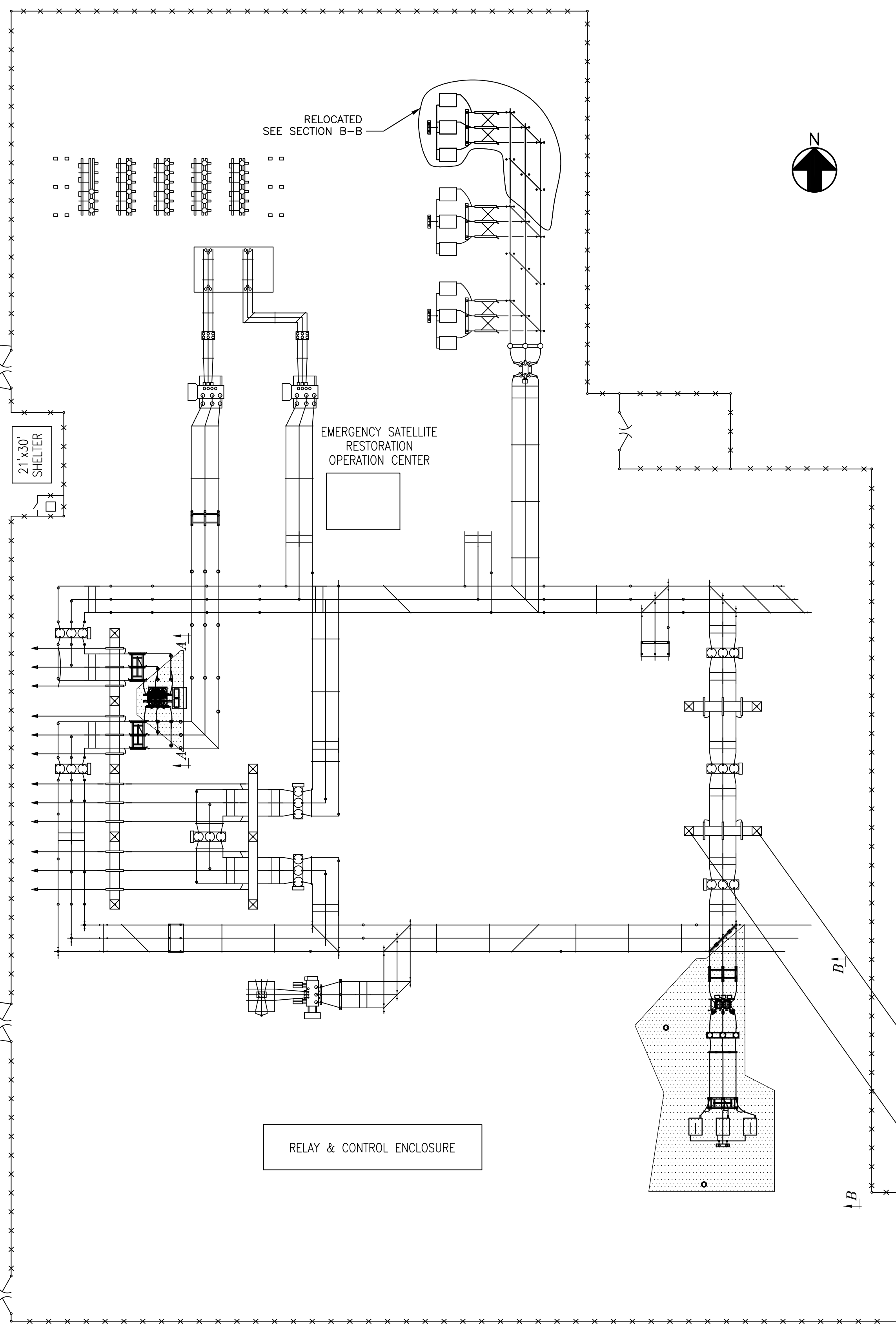
Communications regarding this Notice of Exempt Modification should be directed to Kathleen Shanley at (860) 728-4527.

By:   
Kathleen M. Shanley  
Manager – Transmission Siting

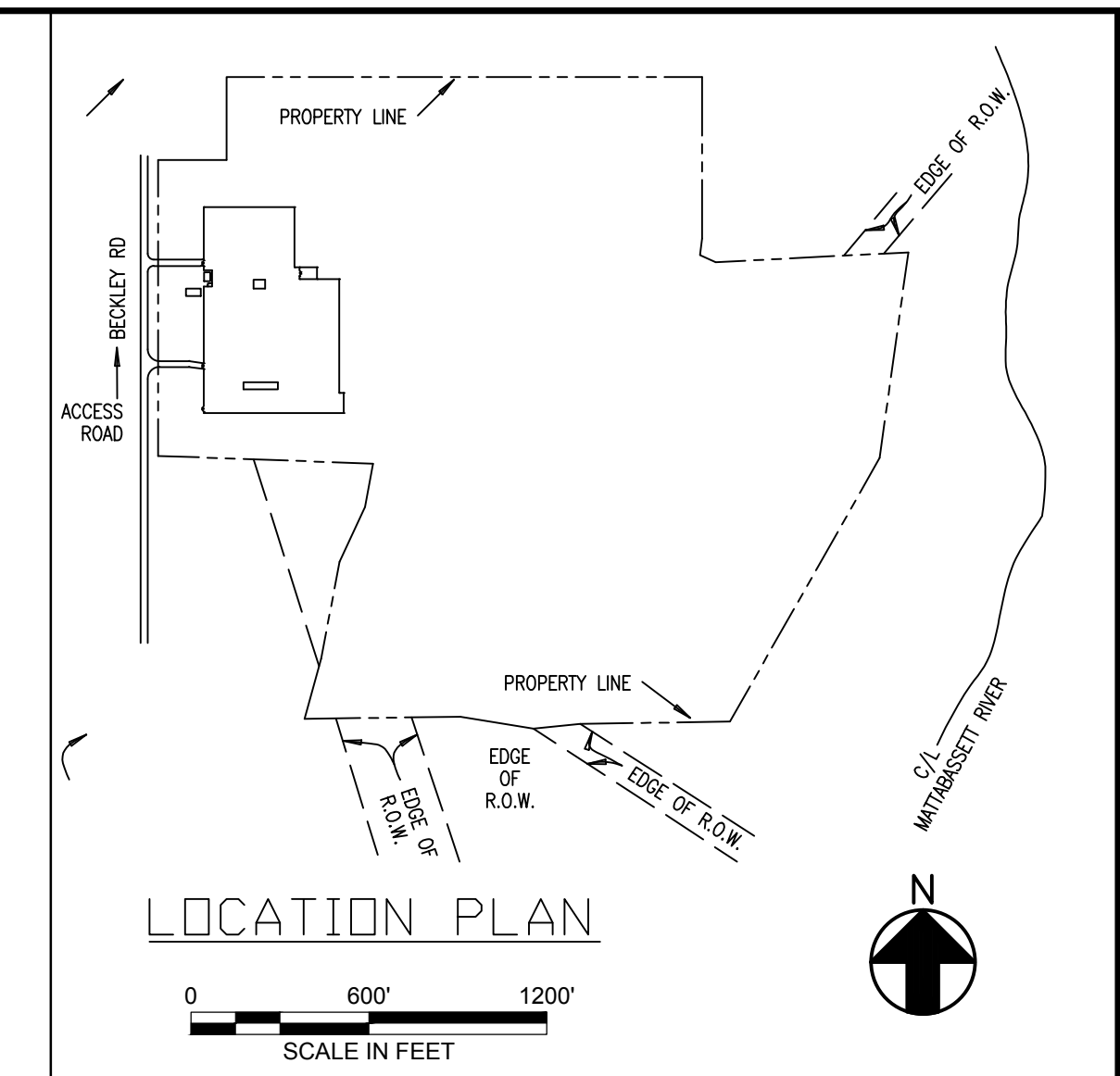
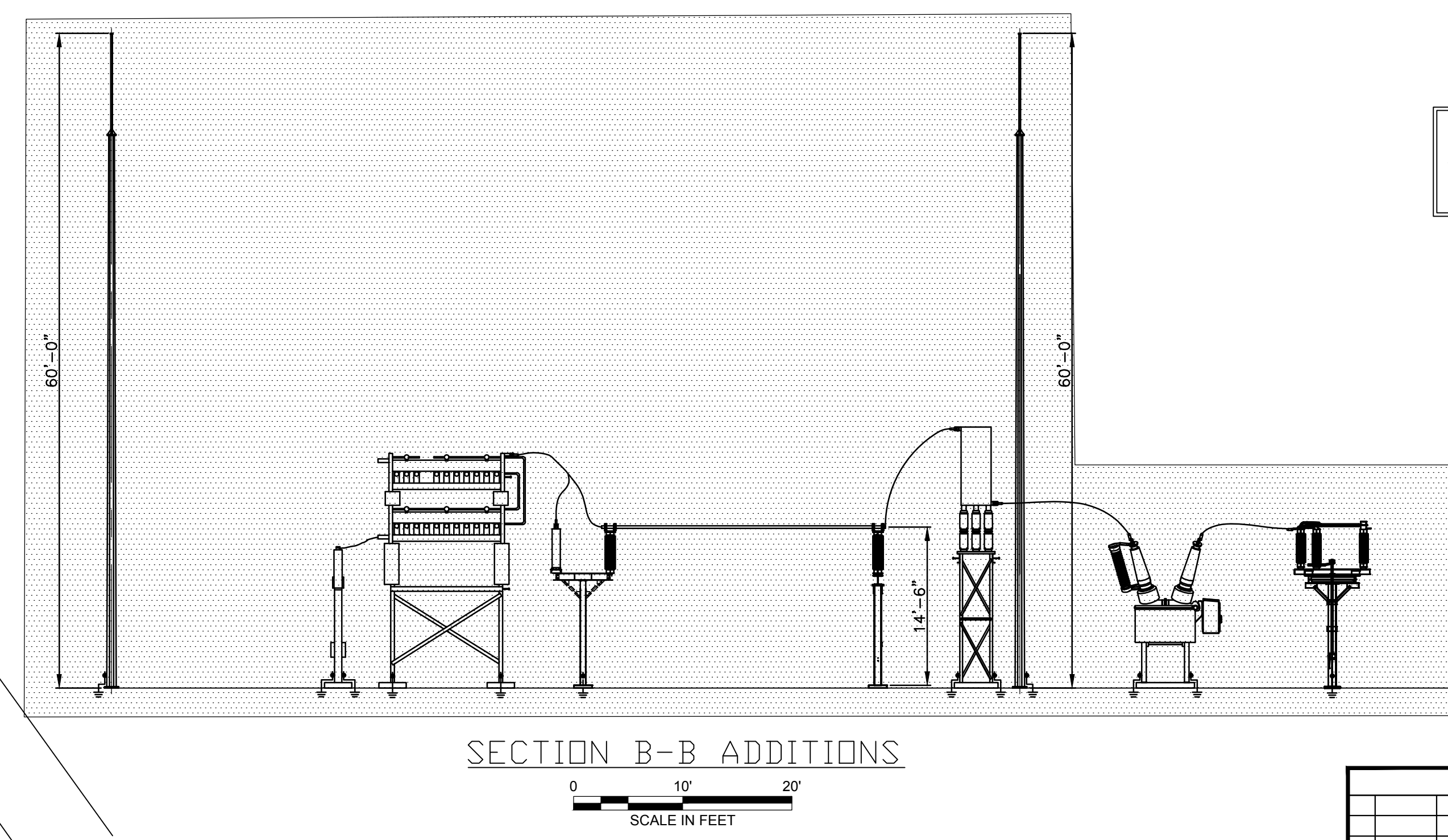
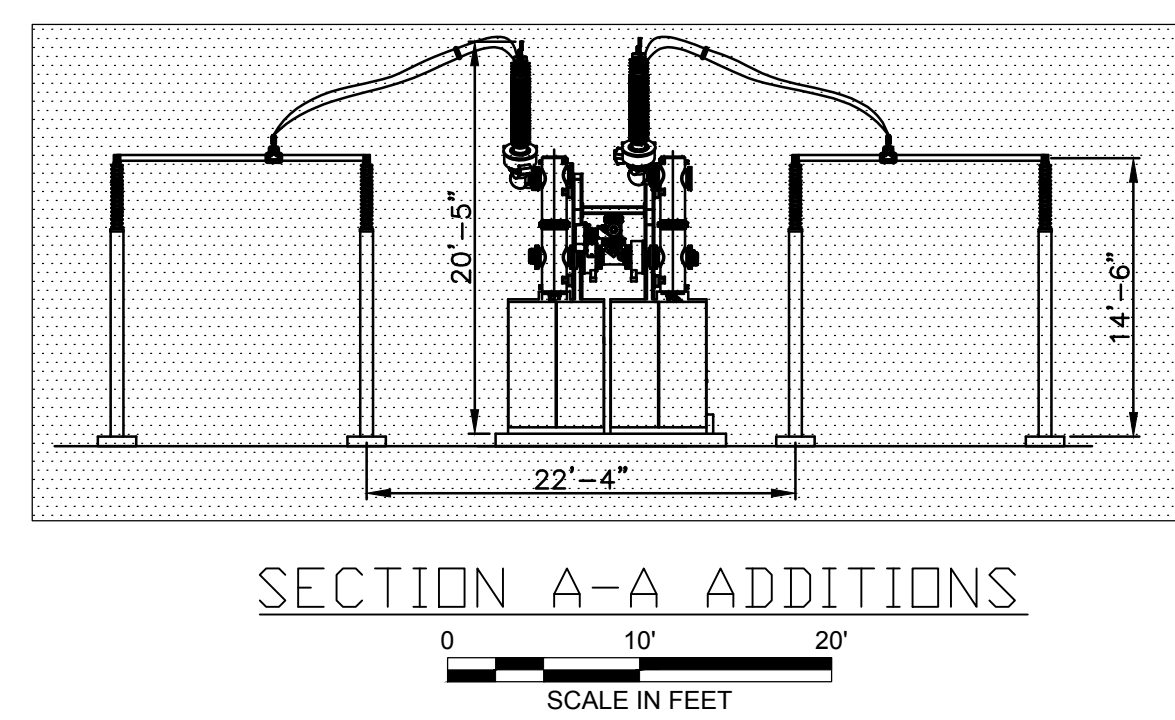
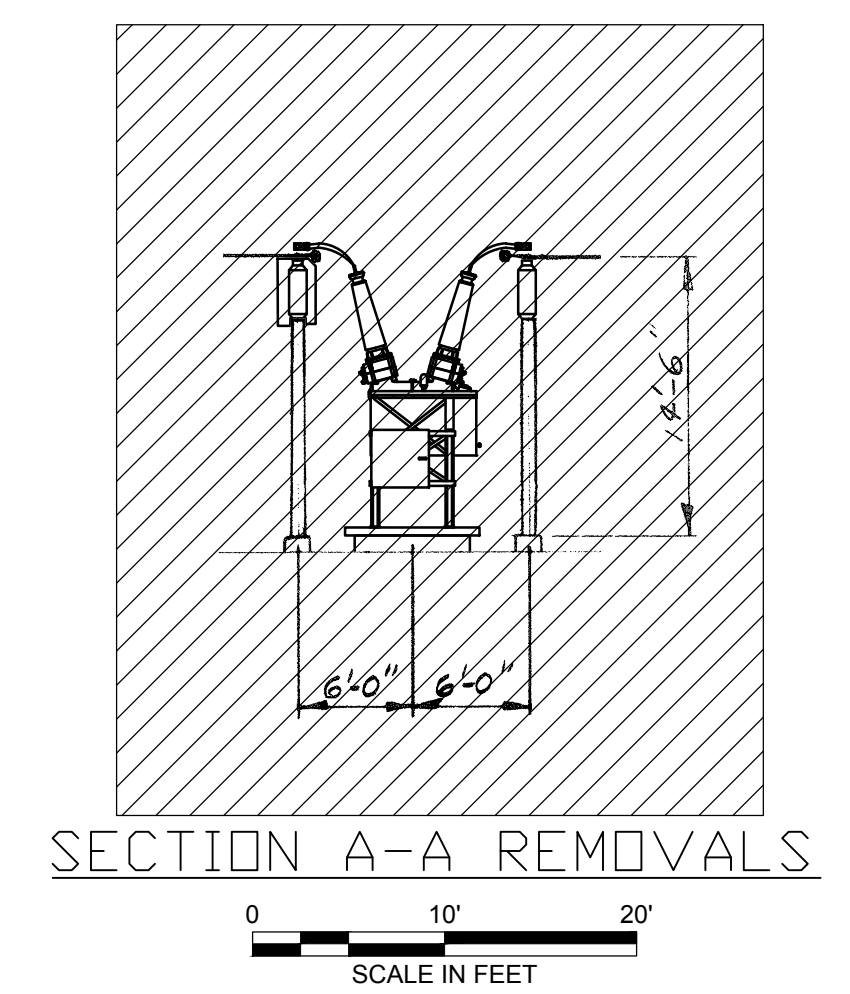
cc: Denise McNair, Berlin Town Manager

Attachment:

Attachment A: Drawing No. Drawing No. – 10706-92001 – Berlin Yard Arrangement – Plan & Sections



PLAN VIEW  
 0 20' 40' 80'  
 SCALE IN FEET



**NOT FOR CONSTRUCTION**  
 REVISION(S) AB

- LEGEND
- 2017 PROPOSED ADDITION
  - 2017 PROPOSED REMOVAL

REV. 6 - 1/10/17  
 SUBSTATION ADDITION

REVISIONS DURING CONSTRUCTION			
NO.	DATE	BY	APP

**EVERSOURCE ENERGY**

TITLE  
 BERLIN  
 YARD ARRANGEMENT - PLAN & SECTIONS  
 CONNECTICUT SITING COUNCIL  
 BERLIN, CT

BY	DATE	CHK	APP	DATE	DATE
AJM (BMcD)	7/8/15	MAC (BMcD)	DPK (BMcD)	JWM (BMcD)	

H-SCALE AS NOTED  
 V-SCALE N/A  
 FIELD BOOK & PAGES  
 R.E. DWG  
 NUSCO  
 10706-92001

no.	date	revisions	det	dsn	chk	app
AB-1	11/17	ISSUED FOR REVIEW - 100%	ADC	RG	CY	AF
AB-1	12/21/16	ISSUED FOR BID	DLK	DLK	XXX	XXX

date DECEMBER 21, 2016  
 designed D. KUNZE  
 detailed D. KUNZE  
 checked M. AKHTAR  
 89073

NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP