

September 19, 2019

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

RE: The Connecticut Light and Power Company's Notice of Exempt Modification Pursuant to RCSA § 16-50j-57(a) to Existing Energy Facility Site at 315 Belleview Avenue in the Town of Southington, Connecticut ("Notice of Exempt Modification")

Dear Ms. Bachman:

The Connecticut Light and Power Company dba Eversource Energy ("Eversource") hereby gives notice to the Connecticut Siting Council of its intent to undertake an exempt modification in accordance with Section 16-50j-57(a) of the Regulations of Connecticut State Agencies ("RCSA") for the modifications to Eversource's Southington Substation described herein.

Proposed Modification

The proposed modification would take place within the existing fenced area at Eversource's Southington Substation ("Substation"), located on Eversource property at 315 Belleview Avenue in Southington. The existing Substation is a facility with 345-kV, 115-kV, 27.6-kV, 13.8-kV and 4.8-kV equipment. There are three 345-kV and twelve 115-kV transmission lines terminated at the Substation and four 345- to 115-kV transformers, one 115- to 27.6-kV transformer, two 115- to 13.8-kV transformers, three 27.6-kV and ten 13.8-kV distribution circuits located at the Substation.

Eversource proposes to install a new 115-kV circuit breaker and store a new 345- to 115-kV spare transformer. The new spare transformer would be ready for movement into position in an event of a failing transformer within Eversource's system. The existing substation arrangement with the

proposed modification is shown on Drawing No. 23101-92001–General Arrangement–Plans & Sections-Connecticut Siting Council. Specific details are:

- a) Remove a section (approximately 15 feet) of the existing 115-kV bus¹.
- b) Install a new 115-kV circuit breaker on an existing foundation.
- c) Install a concrete foundation pad, oil containment, and auxiliary power for the new spare autotransformer.
- d) Place a new one-phase, 345- to 115-kV (400-MVA) autotransformer to be utilized as a spare. The spare autotransformer will not be energized.
- e) Install two lightning masts to protect the spare autotransformer. The height of the lightning masts are approximately 60 feet above ground level.
- f) Install relay/control cables and associated conduits along with control and monitoring cabling to accommodate the new circuit breaker.

The proposed modification would not have a substantial adverse environmental effect or cause a significant adverse change or alteration in the physical or environmental characteristics of the Substation because:

- The modification would be made within the Substation’s existing secured fenced area and would not impair the structural integrity of the facility.
- The new equipment would be shorter than the tallest existing structure within the Substation and would not cause any significant adverse change in the physical or environmental characteristics of the Substation. The tallest structure is an existing lightning mast, which is 132 feet above ground level.
- The work would not affect wetlands or waterways. The Substation is not in a flood zone.
- Eversource’s review of the Department of Energy and Environmental Protection’s Natural Diversity Data Base (“NDDDB”) identified no state-listed endangered, threatened, or special concern species in the vicinity of the Substation.
- There would be no television or radio interference.
- Sound-pressure levels at all points along the property line would continue to meet state regulations.
- Electric and magnetic field levels at the Substation boundary would not change as a result of the modification.

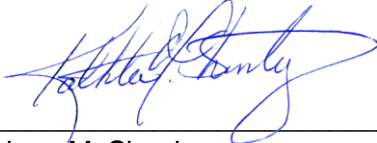
¹ The bus removal allows room to install the new 115-kV circuit breaker.

Eversource proposes to commence construction in November 2019. Work is scheduled to be completed by March 2020.

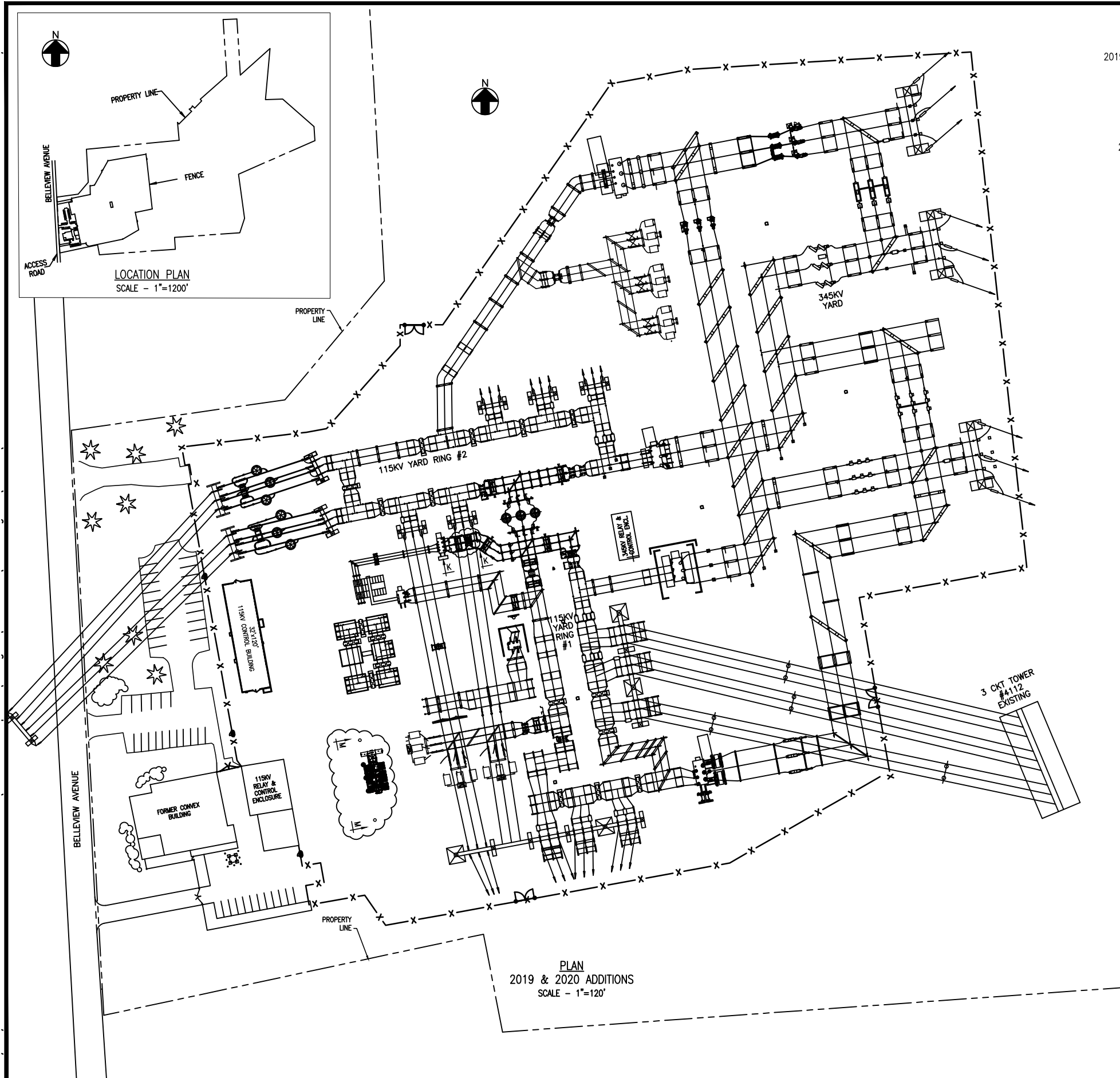
Enclosed are two (2) copies of this Notice of Exempt Modification along with the filing fee of \$625.00.

A notice of the exempt modification filing has been provided to the Mayor of Southington.

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

By: 

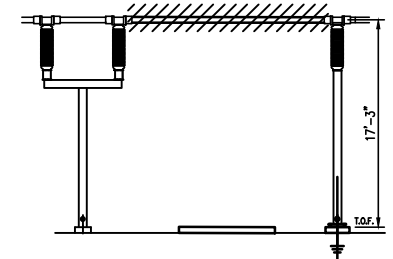
Kathleen M. Shanley
Manager – Transmission Siting



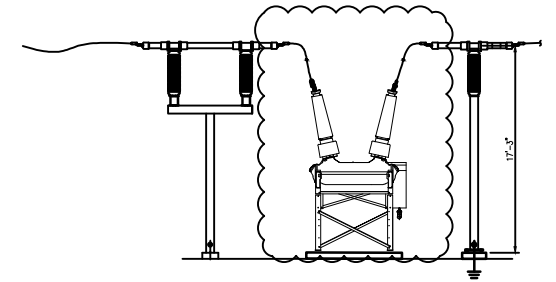
2019 & 2020 PROPOSED ADDITIONS



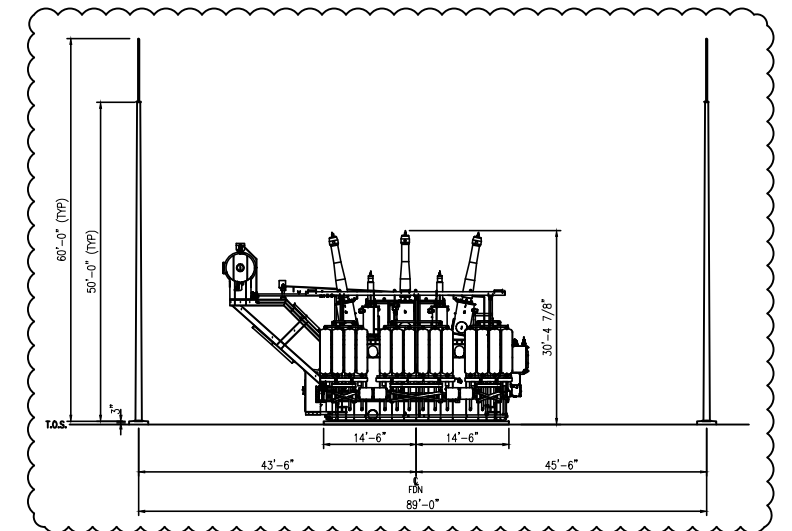
2019 PROPOSED REMOVAL



SECTION K-K
2019 REMOVALS



SECTION K-K
2019 ADDITIONS



SECTION M-M
2020-CB ADDITIONS

EVERSOURCE ENERGY

TITLE
SOUTHINGTON SUBSTATION
GENERAL ARRANGEMENT - PLAN & SECTIONS
CONNECTICUT SITING COUNCIL
SOUTHINGTON, CT

BY	KPK	CHKD	PLW	APP	PLW	APP	PSM
DATE	4/90	DATE	4/90	DATE	4/90	DATE	4/90
H-SCALE	AS NOTED	SIZE	B	FIELD BOOK & PAGES			
V-SCALE	AS NOTED	V.S.		R.E. DWG			
R.E. PROJ. NUMBER				DWG NO.	23101-92001		