



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

**John Morissette**  
Project Manager – Transmission Siting  
Tel: (860) 728-4532

August 24, 2015

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 168 Canal Street in the Town of Southington, 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 Canal Street Substation and associated transmission lines ("Project") described herein.

### **Proposed Modifications**

The Project would take place within Eversource's existing right-of-way ("ROW") and at Canal Street Substation in Southington, Connecticut ("Substation"). The Substation is located on Eversource's property at 168 Canal Street, Southington. The Canal Street Substation is a 115- to 23-kV facility with two (2) 115-kV transmission circuits, one<sup>1</sup> (1) 115- to 23-kV transformer, and four (4) 23-kV circuits. Currently a single structure supports the 1550, 1950, and 1910 115-kV transmission lines. The 1910 Line is not interconnected with the Canal Substation. The proposed modifications will reconfigure the 1550 and 1950 line loops into the Substation to improve reliability by supporting each transmission line on a separate structure.

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<sup>1</sup> The addition of a second 115- to 23-kV transformer was recently approved under Petition No.1116 and the associated modifications to add this transformer are currently under construction.

Eversource proposes the following modifications:

- Replacement of two 115-kV two-pole wood dead-end structures 88A and 88B with two 115-kV direct-buried three-pole wood structures to reconfigure the 1550 and 1950 line taps into Canal Substation. The new structures are proposed to be of equal heights to the existing structures within the ROW, which is 56 feet.
- Removal of one pole of the existing 115-kV three-pole double-circuit H-Frame wood structure #88C, which is located adjacent to the Canal Substation.
- Replacement of two 115-kV galvanized steel structures with like-for-like galvanized steel structures on new foundations within Canal Substation. The structures will be rotated 90 degrees to accommodate new phase arrangement. The new structures height will be the same as the height of the existing structures, which is 22 feet.

Land owner permission has been granted to Eversource for the purpose of accessing Eversource's ROW from 130 Canal Street for the duration of the work.

The above proposed modifications are shown on attached Drawings. Drawing No. 23652 and SK40410801.

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

- All modifications would be made within Eversource's existing ROW and the Substation's existing fenced area.
- All new equipment would be shorter than the tallest existing equipment within the Substation and ROW.
- 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.
- 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 October 2015. Work is scheduled to be completed by December 2015.

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 Town Manager of Southington.

Communications regarding this Notice of Exempt Modification should be directed to John Morissette at (860) 728-4532.

By:   
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John R. Morissette  
Project Manager – Transmission Siting - CT

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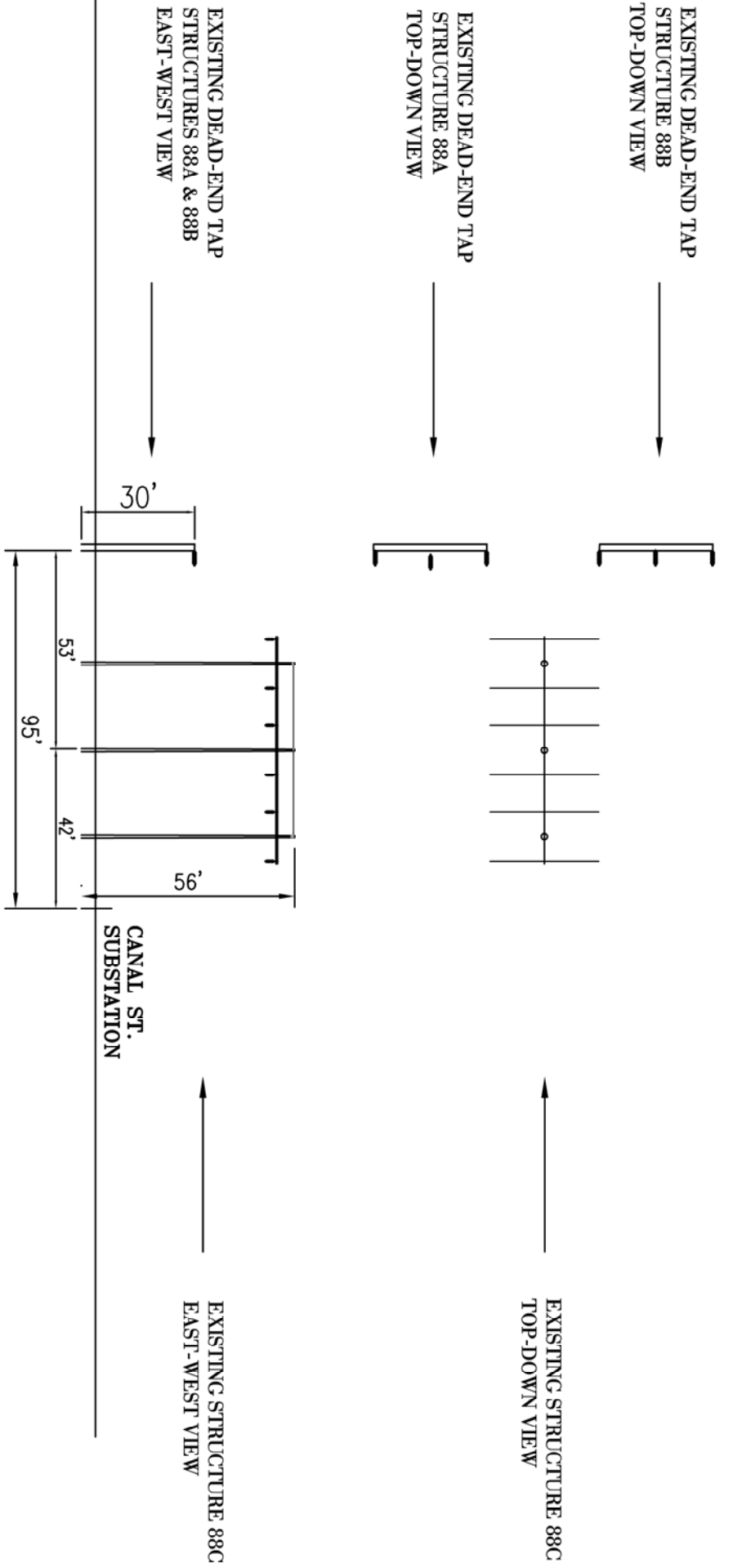
cc: Garry Brumback, Town Manager

Attachments:

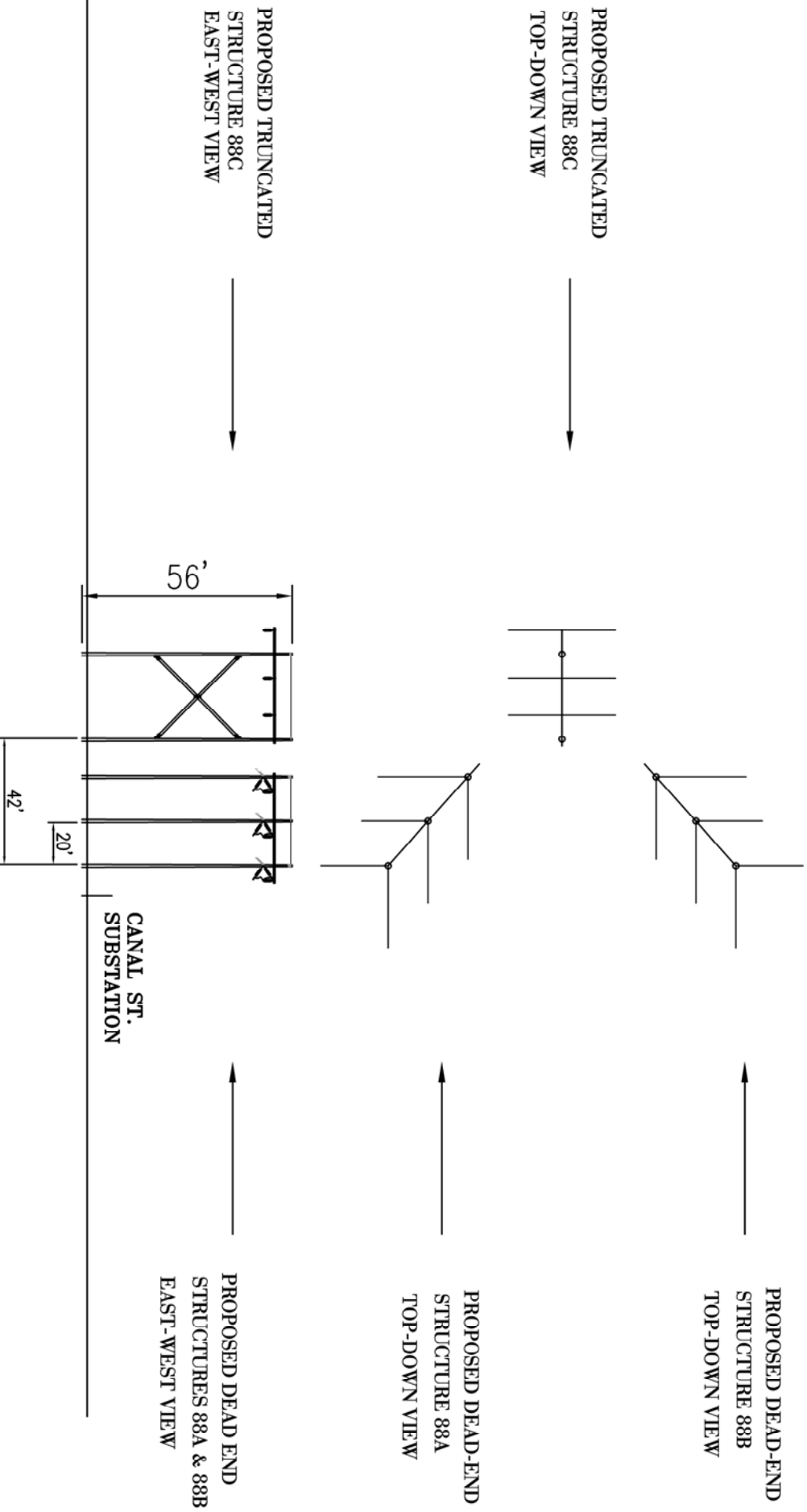
Attachment A: Drawing No. 23652 – Canal Street Substation- Sketch Showing Proposed Build 1550 Line, 1950 Line.

Attachment B: Drawing No. SK40410801- Frost Bridge- Southington 1550-1950 Line Separation at Canal SS-Existing and Proposed Structure

**EXISTING STRUCTURES**



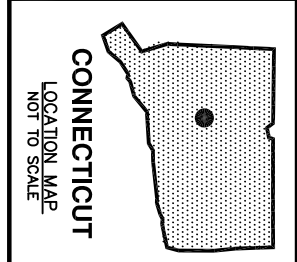
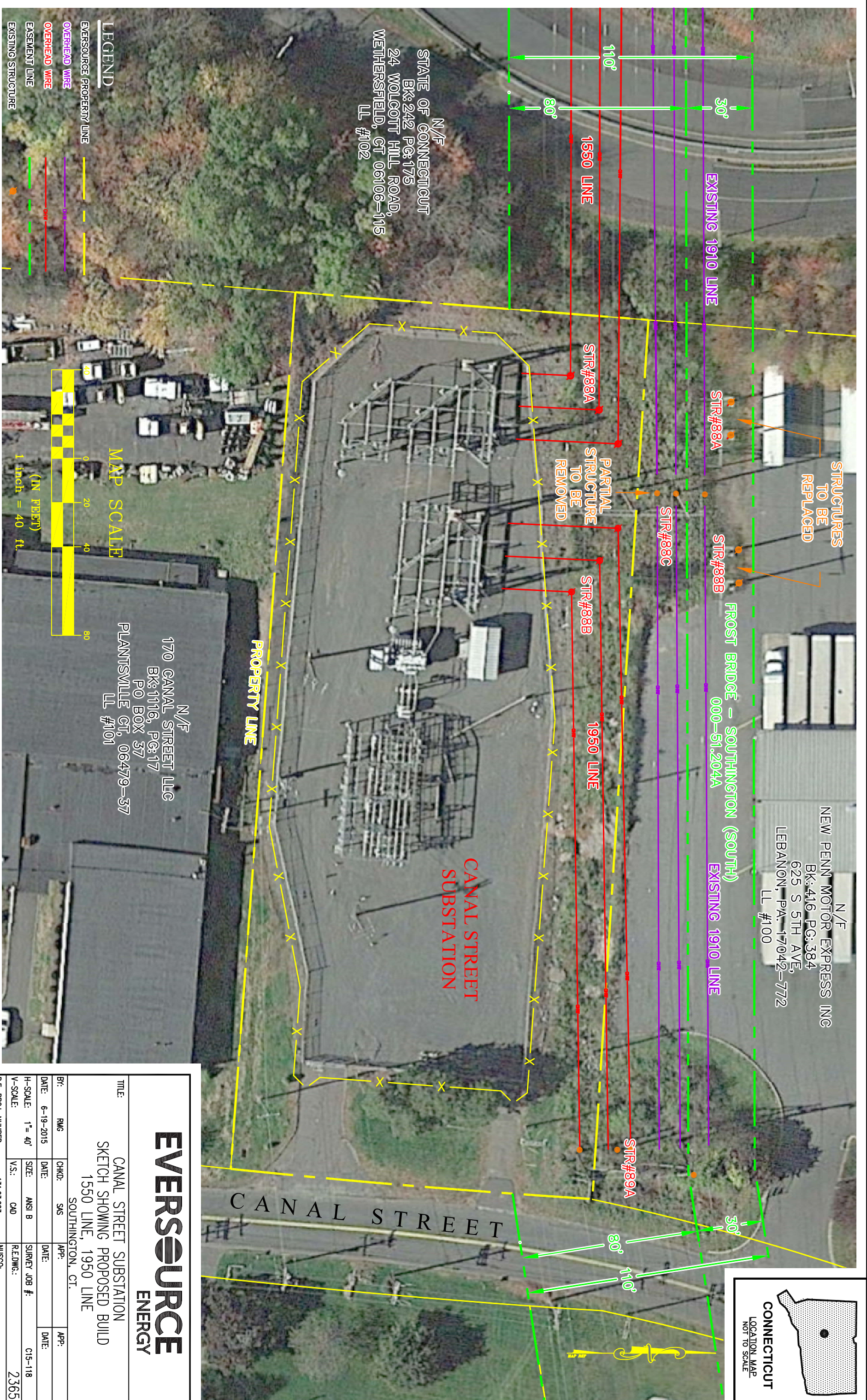
**PROPOSED STRUCTURES**



**EVERSOURCE ENERGY**

FROST BRIDGE - SOUTHINGTON  
1550-1950 LINE SEPARATION at CANAL SS  
EXISTING AND PROPOSED STRUCTURE  
SOUTHINGTON CT

BT	RDG	CHD	MWF	APP	APP
DATE	07/01/15	DATE	07/17/15	DATE	DATE
H-SCALE	1"=40'	SIZE	B	FIELD BOOK & PAGES	
V-SCALE	1"=40'	V.S.		RE. DWG	
RE. PROJ. NUMBER		DWG. NO.	SK40410801 PG1		

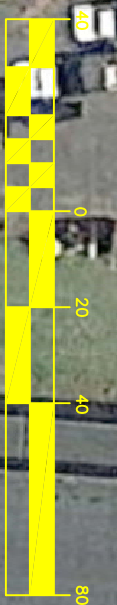


**EVERSOURCE ENERGY**

TITLE: CANAL STREET SUBSTATION  
SKETCH SHOWING PROPOSED BUILD  
1550 LINE, 1950 LINE  
SOUTHINGTON, CT.

BY:	RMG	CHKD:	SXS	APP:	DATE:
DATE:	6-19-2015	DATE:		DATE:	
H-SCALE:	1" = 40'	SIZE:	ANSI B	SURVEY JOB #:	C15-118
V-SCALE:	CAD	V.S.:	CAD	RELDWG.:	23652
RE. PROJ. NUMBER:	131.03.023				

MAP SCALE



- LEGEND**
- EVERSOURCE PROPERTY LINE
  - OVERHEAD WIRE
  - OVERHEAD WIRE
  - EASEMENT LINE
  - EXISTING STRUCTURE