



VIA US AND ELECTRONIC MAIL

3/17/2017

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

Re: **The United Illuminating Company's Notice of Exempt Modification Pursuant to R.C.S.A. § 16-50j-58 to Existing Energy Facility Site at 40 Poland Street, Bridgeport, Connecticut ("Notice of Exempt Modification")**

Dear Chairman Stein:

Pursuant to Regulations of Connecticut State Agencies ("R.C.S.A.") §16-50j-58, The United Illuminating Company ("UI" or "Company") hereby notifies the Connecticut Siting Council (the "Council") of its intent to make exempt modifications to its substation at 40 Poland Street, Bridgeport, Connecticut ("Facility" or "Energy Facility"). The \$625 filing fees, along with 2 copies of this Notice of Exempt Modification, are enclosed herewith.

Existing Energy Facility

The Facility is located at 60, 86 and 92 Poland Street - AKA 40 Poland Street in the City of Bridgeport at 41°09'22.6"N and  $\Lambda$  73°14'02.9"W and is bounded as follows:

Beginning at a point in the southeasterly corner of the parcel herein described:

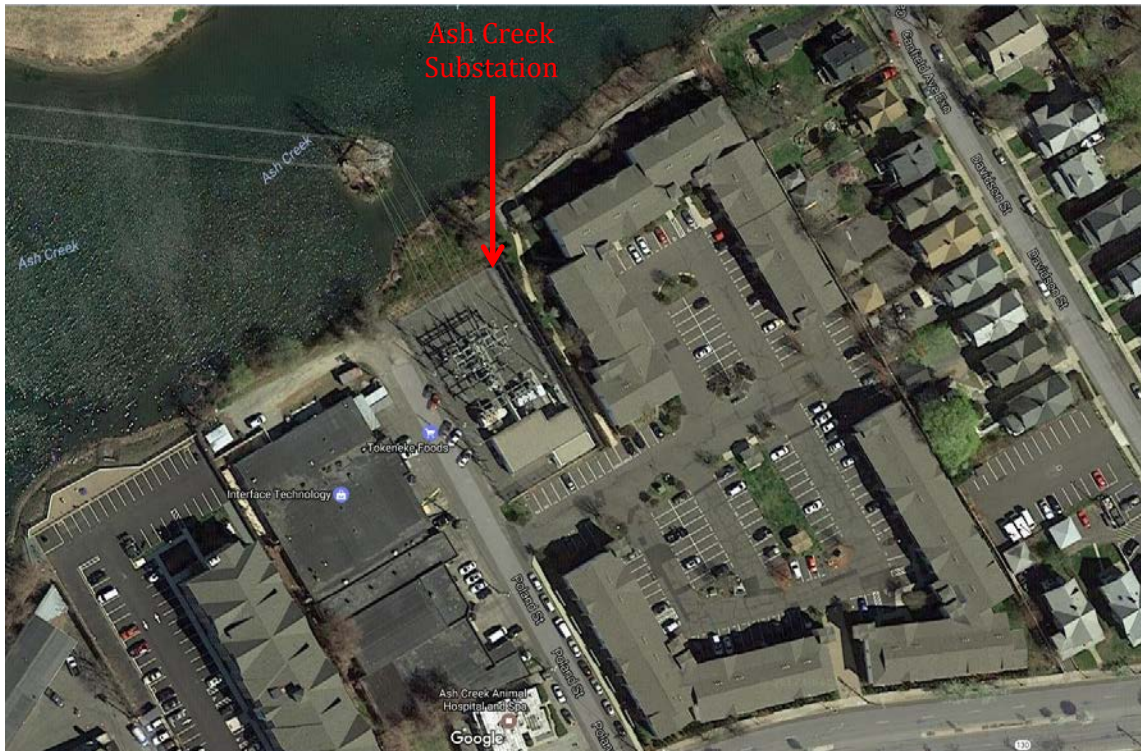
Thence S 73°38'48" W a distance of 100'

Thence Poland Street, in part, N 16°21'12" W to the high water mark of Ash Creek, 225' more or less

Thence bounded northerly by Ash Creek, to a point approximately 100' northerly of the herein described southerly boundary

Thence S 16°21'12" E 250' more or less to the point of beginning.

Ash Creek Substation is a 115-kV to 13.8-kV distribution substation located in Bridgeport, Connecticut. The station consists of two 115-kV incoming circuits with a 115-kV tie breaker. In addition, the station has two 13.8-kV distribution buses with a total of 16 feeder breakers and four main/tie breakers. The major substation yard equipment includes: two 36/48/60MVA station power transformers, a 115-kV tie breaker, two 115-kV breaker isolation disconnect switches, two transmission circuit disconnect switches, two transformer high side disconnect switches, and various PT's, CT's and station service transformers.



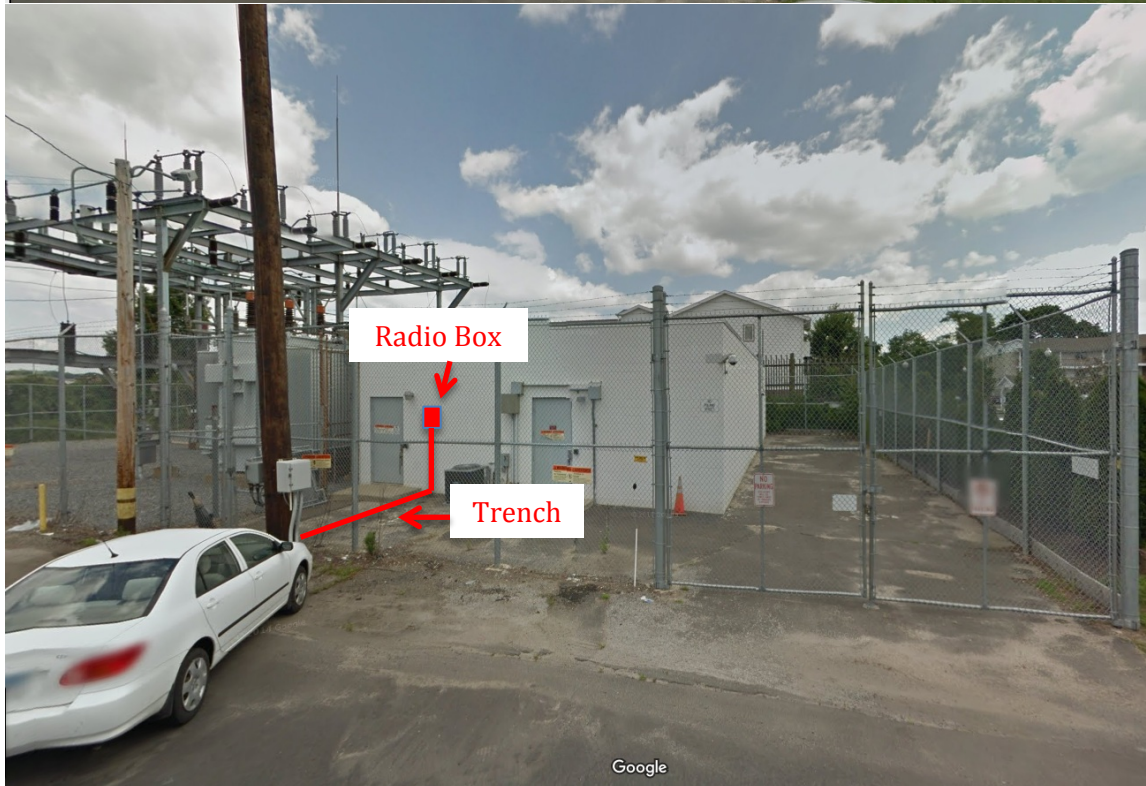
Aerial Photo of the Facility (Google 2017)

### Proposed Modifications

UI is proposing to dig approximately a 16 foot long and 18 inch deep trench from the existing 90 foot communications pole (shown below) located at the south west side of the substation, to the substation building. Two sets of three inch conduit will be placed into the trench and will rise on the pole, and the exterior wall of the substation building. The Company will backfill the trench and pave with a new layer of asphalt. The Company will install a small radio box on the exterior of the building, and a directional two foot antenna will be mounted on top of the communications pole.

These activities are necessary for Supervisory Control And Data Acquisition (“SCADA”) cabinet and infrastructure for radio communication, requested by the Town of Fairfield, for a proposed interconnection consisting of a new 998kW photovoltaic generation system, an existing 6x60kW microturbine generator system, and an existing 5x7kW photovoltaic system connected to the UI distribution system. The interconnection point of the proposed generation facility is 330 One Rod Highway in Fairfield.





Project Area (Google 2017)

As the proposed modifications relate solely to improving system awareness, the changes will not impact the existing Facility's structural capability or impact electric and magnetic fields or noise levels.

Compliance with R.C.S.A. § 16-50j-57(b)

Pursuant to R.C.S.A. § 16-50j-57(b), the proposed changes do not constitute a modification to an existing facility that may have a substantial adverse environmental effect and are exempt from the requirement to obtain a certificate pursuant to Section 16-50k of the Connecticut General Statutes. Specifically, consistent with R.C.S.A. § 16-50j-57(b), the proposed changes to the existing site do not:

- (A) Extend the boundaries of the site beyond the existing fenced compound;
- (B) Increase the height of existing associated equipment;
- (C) Increase noise levels at the site boundary by 6 decibels or more, or to levels that exceed state and local criteria;
- (D) Impact electric and magnetic field levels at the site boundary in a manner that is inconsistent with the Council's Best Management practices for Electric and Magnetic Fields;
- (E) Cause a significant adverse change or alteration in the physical or environmental characteristics of the site; or
- (F) Impair the structural integrity of the facility, as determined in a certification provided by a professional engineer licensed in Connecticut, where applicable.

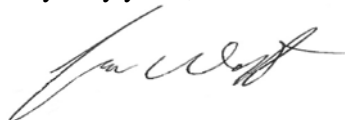
The project would not have a substantial adverse environmental effect or cause a significant adverse change or alteration in the physical or environmental characteristics because:

- (A) The barriers would be located within the substation's existing fence line; the Substation's fenced area would not be expanded.
- (B) The equipment will be no taller than existing equipment within the Substation.
- (C) There would be no change to the existing television or radio interference resulting from the modifications of the Substation.
- (D) Sound-pressure levels at all points along properties lines would continue to meet state regulations set out in R.C.S.A. §§ 22a-69-1 et seq.
- (E) The project work would not affect water resource areas.
- (F) UI's review of the Connecticut Department of Energy and Environmental Protection's ("CT DEEP") Natural Diversity Data Base did not identify any state-listed endangered, threatened, or special concern species in the vicinity of the Project.

UI intends to initiate the project on or after the Council's acknowledgement that the proposed activities are exempt.

Please do not hesitate to contact me at (203)499-2396 should you have any questions regarding this notice.

Very truly yours,



Jonathan Wolff  
Transmission and Substation Engineer  
The United Illuminating Company

Mr. Robert Stein  
March 17, 2017  
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Enclosure

cc: *via email only*  
Mayor Joseph P. Ganim, City of Bridgeport  
Melanie Bachman, Esq., Connecticut Siting Council

## Proof of Service

The undersigned hereby certifies, in accordance with Regulations of Connecticut State Agencies § 16-50j-58, that this Notice of Exempt Modification was sent by email March 17, 2017 to the chief elected official of the City of Bridgeport, Connecticut.

A handwritten signature in black ink, appearing to read "Jonathan Wolff", written in a cursive style.

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Jonathan Wolff

February 13, 2017  
Project # 801862  
WO 100008952

### **Ash Creek Customer SCADA Project**

**Project Background:** United Illuminating (UI) has been requested by Fairfield to develop a Facility Study for a proposed interconnection consisting of a new 998kW photovoltaic generation system, an existing 6x60kW microturbine generator system, and an existing 5x7kW photovoltaic system connected to the UI distribution system. The interconnection point of the proposed generation is the facility at 330 One Rod Highway, Fairfield, CT.

As there is currently no SCADA communication to the customer site, UI will require new SCADA equipment to be installed at 40 Poland Road, Bridgeport CT. This installation will include a SCADA cabinet and infrastructure for radio communication.

**Location:** 40 Poland Street, Bridgeport CT

#### **Contractor scope of work:**

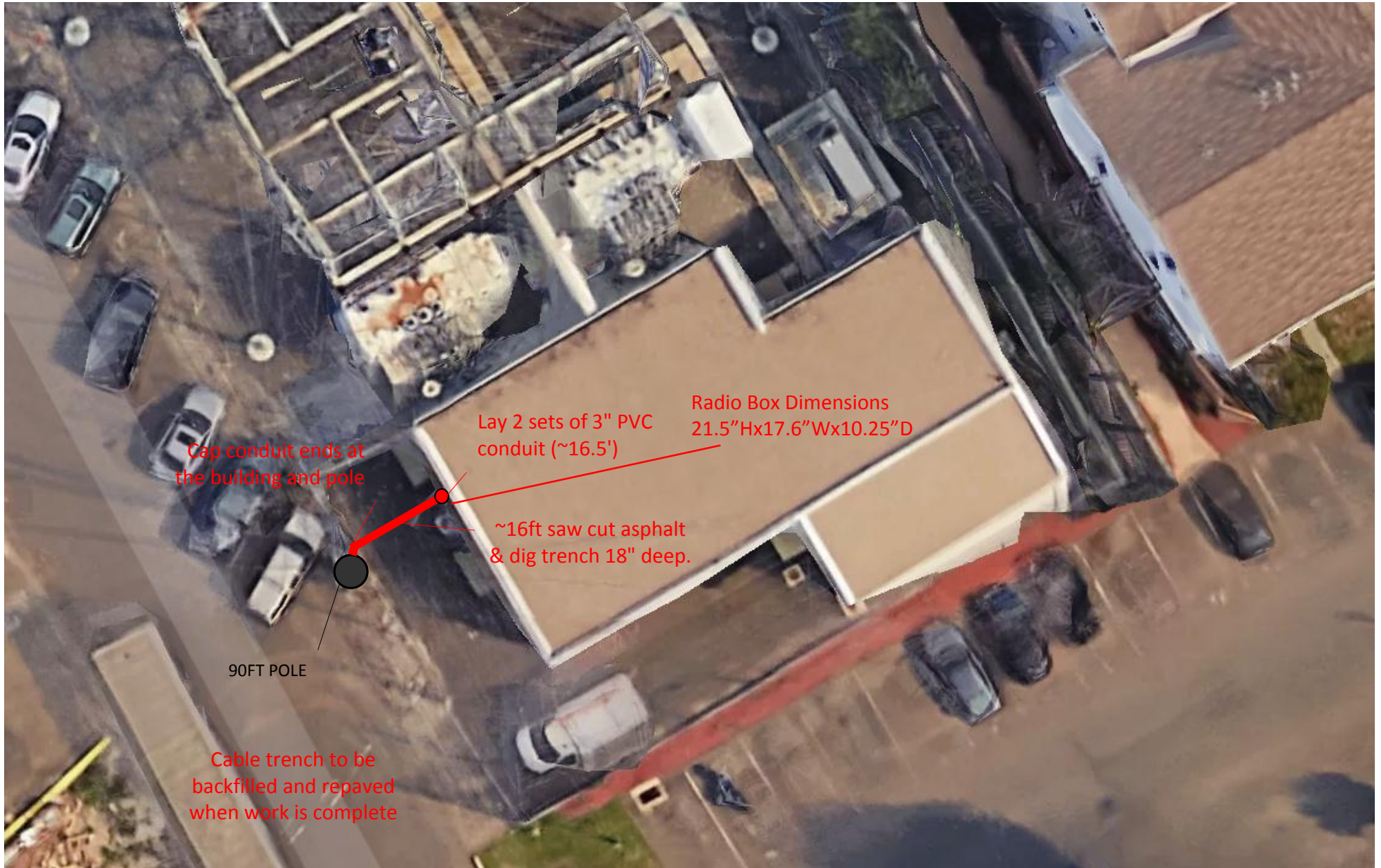
- Contractor to cut asphalt and dig cable trench from 90ft communications pole to Ash Creek control building. (~16.5 feet long, and 18" deep).
- Contractor to lay 2 sections of 3" schedule 40 PVC conduit between the control house and 90ft pole.
- Contractor to connect two 90 degree sweeps on either end of the PVC sections and rise approximately 1 foot above ground level (at the pole and building) and cap the open ends.
- Contractor to back fill trench and cover with new asphalt, to be flush with surrounding asphalt.
- Contractor to supply necessary materials to complete the work stated above.

#### **Attachments/Drawings:**



AshCreekDrw  
edit.pdf





Cap conduit ends at the building and pole

Lay 2 sets of 3" PVC conduit (~16.5')

Radio Box Dimensions  
21.5"Hx17.6"Wx10.25"D

~16ft saw cut asphalt & dig trench 18" deep.

90FT POLE

Cable trench to be backfilled and repaved when work is complete