



VIA US AND ELECTRONIC

MAIL 4/2/2020

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
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 the Following Existing Energy Facility: **40 Poland Street, Bridgeport, CT** ("Notice of Exempt Modification")

Dear Attorney Bachman:

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 the following substation: 40 Poland Street, Bridgeport, CT ("Facility" or "Ash Creek").

As discussed in detail below, after a review of certain UI substations, the Company has determined that replacement of equipment related to structural inadequacies is required at Ash Creek Substation.

The \$625 filing fee along with 2 copies of this Notice of Exempt Modification are enclosed herewith.

40 Poland Street – Ash Creek

Property was acquired via two deeds – Volume 1133 page 308 and Volume 1227 page 93

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

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

Thence along 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

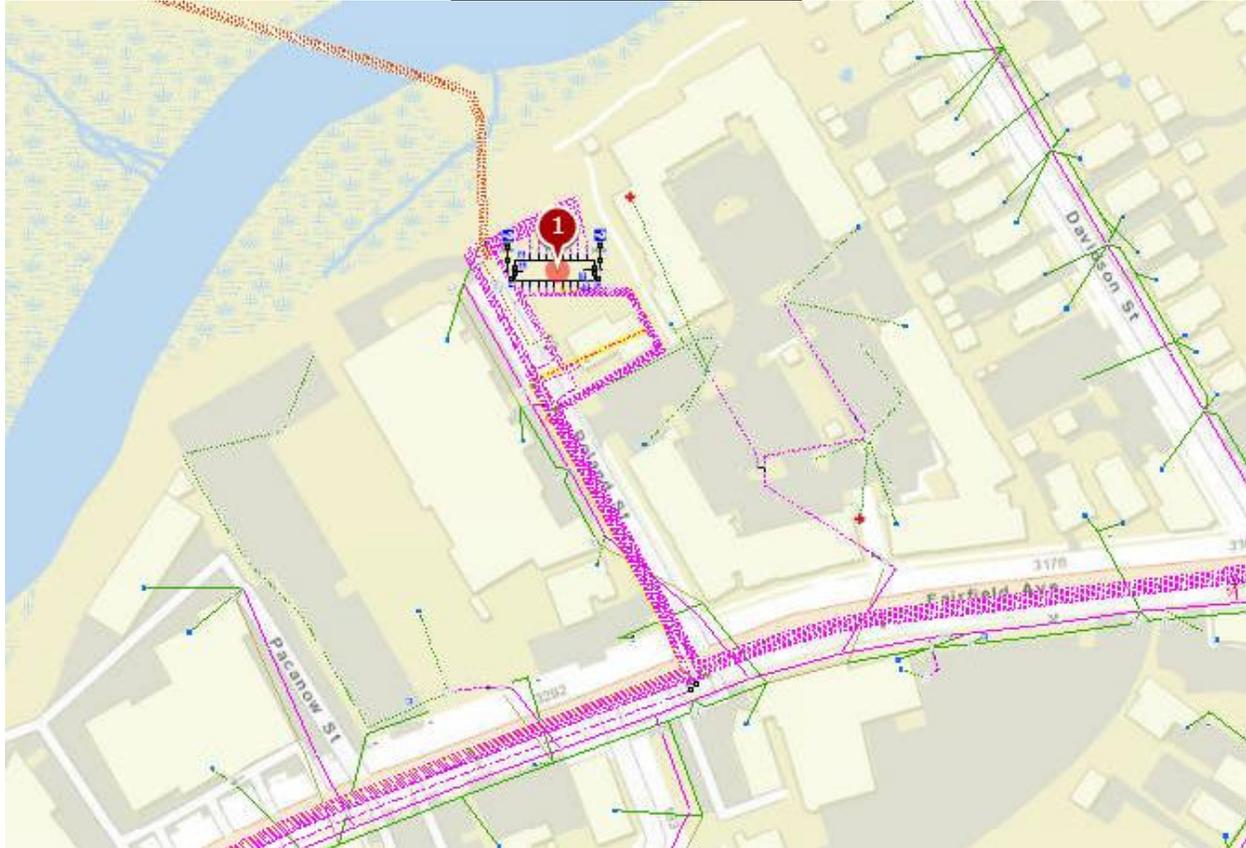
Thence S 16°21'12" E 250' more or less to the point of beginning

Aerial Photos of the Facility



Ash Creek Substation 40 Poland Street, Bridgeport CT 06605
Source: Google Maps 2020

GIS Photos of the Facility



Ash Creek Substation 40 Poland Street, Bridgeport CT 06605
Source: GIS Lite 3/18/2020

Ash Creek Scope of Work

Engineering review and analysis performed by Realtime Utility Engineers has determined the following structural inadequacies with the existing bus yard at our Ash Creek substation. These inadequacies are based upon the fault current conditions possible at this specific substation, and its effects on the existing equipment and structures. If stresses caused by fault current and environmental factors exceed the strength rating of any structural member or piece of equipment, it is deemed inadequate. The work being completed is considered like for like, and includes the following:

- Replace copper bus with larger stronger aluminum bus
- Install stiffening plates to strengthen existing structural steel
- Install vertical and diagonal bracing to strengthen existing structural steel

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 proposed changes would be located within the Substation's existing fence line; the Substation's fenced area would not be expanded.
- (B) The equipment would 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) Electric and Magnetic field levels at the Substation boundary would not change as a result of the modifications.

UI intends to initiate the project, Design Adequacy Group 2, on or after the Council's acknowledgement that the proposed activities are exempt.

Please do not hesitate to contact me at 203-499-2586 should you have any questions regarding this notice.

Very truly yours,



Amy Hicks
Outreach Specialist
The United Illuminating Company

cc: The Honorable Joseph P. Ganim, Mayor, City of Bridgeport
Jon Urquidi, PE, City Engineer, City of Bridgeport
Jonathan Wolff, The United Illuminating Company

Attachments:

Attachment A: Replacement Examples

ATTACHMENTS

Attachment A



steel bracing

Copper Bus to be replaced (example)

vertical and diagonal bracing example

