



VIA FEDEX AND ELECTRONIC MAIL

10/4/2018

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 Indian Well Substation ("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 Indian Well Substation ("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 242 Roosevelt Drive in the City of Derby at 41°19'31.81"N and 73°5'59.85"W and is bounded as follows:

Beginning at a point along the southwest corner of the City of Derby property so-called "Canal Street"

Thence 177.70 feet along N/F City of Derby

Thence 178 feet along N/F The Shelton Canal Company

Thence 210 feet along the Housatonic River at high water

Thence 285 feet along IDA Properties Inc. to the point of beginning

Parcel contains 42,500 square feet or .9 acres more or less.

Indian Well Substation is a single 115-kV breaker two transformer substation.

Aerial Photo of the Facility



Google Earth 2018

Site and Equipment



Looking east into existing 115-kV yard at Indian Well Substation
Benito Acampora 8/23/18



Looking west into existing 115-kV yard at Indian Well Substation
Benito Acampora 8/23/18

Proposed Modifications

UI is proposing to replace the existing 115-kV gas circuit breaker with a spare 115-kV gas circuit breaker. As the proposed modifications relate solely to improving system maintenance, the changes will not impact the existing Facility's structural capability or impact electric and magnetic fields or noise levels.



Existing 115-kV Circuit Breaker
Benito Acampora 8/23/18

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) 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.
- (G) Electric and Magnetic field levels at the Substation boundary would not change as a result of the modifications.

UI intends to initiate construction for the Indian Well breaker replacement on or after the Council's acknowledgement that the proposed activities are exempt.

Please do not hesitate to contact me at 203-926-4792 should you have any questions regarding this notice.

Very truly yours,

A handwritten signature in blue ink, appearing to read "Christopher J. Hughes".

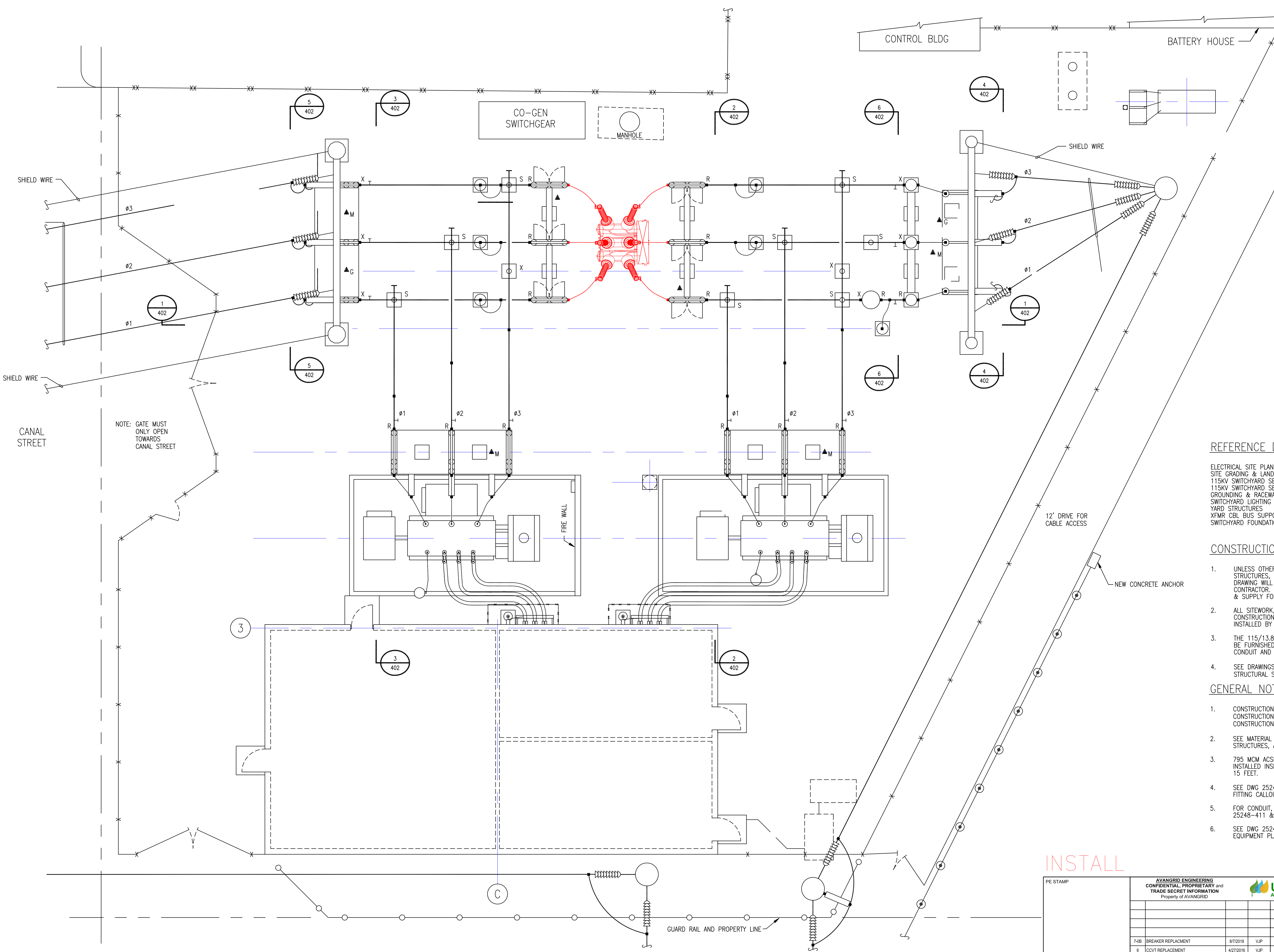
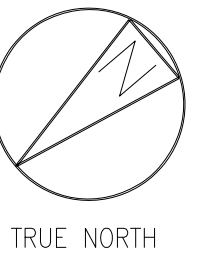
Christopher Hughes
Manager – Substation Projects Unit 5
The United Illuminating Company

cc: The Honorable Mayor Richard Dziekan, City of Derby
Amy Hicks, The United Illuminating Company, Public Outreach

Attachment

Attachment 1: Drawing No. 25248-400 Switchyard Bus and Equipment Plan

Attachment 1



- LEGEND**
- X EXPANSION BUS FITTING
 - R RIGID (WELDED) BUS FITTING
 - S SLIP (NON-WELDED) BUS FITTING
 - / - LOW BUS BUS CROSSING, NO CONNECTION
 - / - HIGH BUS
 - HIGH BUS TO LOW BUS CONNECTION WITH 'A' FRAME
 - ⊥ GROUNDING STUD
 - BUS OR JUMPER FITTING
 - X- NEW 14' CHAIN LINK FENCE
 - XX- EXISTING CHAIN LINK FENCE
 - ▲ M MOTORIZED SWITCH OPERATOR LOCATION
 - ▲ G GROUND SWITCH OPERATOR LOCATION, WITH KIRK KEY INTERLOCK
 - NEW GUARD RAIL
 - ▲ MANUAL SWITCH OPERATOR LOCATION

- REFERENCE DRAWINGS**
- | | |
|--------------------------------------|---------------------|
| ELECTRICAL SITE PLAN | 25248-001 |
| SITE GRADING & LANDSCAPE PLAN | 25248-002 |
| 115KV SWITCHYARD SECTIONS | 25248-402 |
| 115KV SWITCHYARD SECTIONS & DETAILS | 25248-404-SH1 & SH2 |
| GROUNDING & RACEWAY | 25248-411 & 412 |
| SWITCHYARD LIGHTING & COMMUNICATIONS | 25248-414 |
| YARD STRUCTURES | 25248-416 - 421 |
| XFMR CBL BUS SUPPORTS | 25248-422 & 423 |
| SWITCHYARD FOUNDATION PLAN | 25248-435 |

- CONSTRUCTION NOTES**
- UNLESS OTHERWISE NOTED ALL EQUIPMENT, BUS, CONDUCTORS, FITTINGS, STRUCTURES, STRAIN BUS AND LINE SPANS SHOWN ON THIS DRAWING WILL BE FURNISHED BY UI FOR INSTALLATION BY THE CONTRACTOR. REFER TO MATERIAL LISTS FOR SCOPE OF INSTALLATION & SUPPLY FOR SPECIFIC ITEMS.
 - ALL SITEWORK, FENCING, FOUNDATIONS, CONTROL/SWITCHGEAR BUILDING CONSTRUCTION AND BELOW GRADE GROUNDING AND RACEWAY WILL BE INSTALLED BY THE CONTRACTOR.
 - THE 115/13.8KV POWER TRANSFORMERS AND 115KV CIRCUIT BREAKER WILL BE FURNISHED AND INSTALLED BY UI. THE CONTRACTOR SHALL MAKE BUS, CONDUIT AND GROUNDING CONNECTIONS TO THIS EQUIPMENT.
 - SEE DRAWINGS 25248-425 FOR ORIENTATION OF SWITCHYARD STRUCTURAL STEEL WIDE FLANGE COLUMNS.

- GENERAL NOTES:**
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH UI SUBSTATION GENERAL CONSTRUCTION SPECIFICATION Q31794 AND SUBSTATION ELECTRICAL CONSTRUCTION SPECIFICATION NO. (LATER).
 - SEE MATERIAL LIST DWG 25248-499 FOR DESCRIPTIONS OF EQUIPMENT, STRUCTURES, AND FITTINGS.
 - 795 MCM ACSR (ITEM C05) VIBRATION DAMPENING CONDUCTOR SHALL BE INSTALLED INSIDE EACH HORIZONTAL RUN OF TUBULAR BUS LONGER THAN 15 FEET.
 - SEE DWG 25248-402 (ELEVATION DWG) FOR ADDITIONAL FITTING CALLOUTS.
 - FOR CONDUIT, CABLE TRENCH, AND GROUNDING LAYOUTS SEE DWGS 25248-411 & 412.
 - SEE DWG 25248-300 FOR CONTROL/SWITCHGEAR BUILDING EQUIPMENT PLAN.

NOTE: GATE MUST ONLY OPEN TOWARDS CANAL STREET

INSTALL

REV	DESCRIPTION	DATE	BY	CHK	APP

REV	DESCRIPTION	DATE	BY	CHK	APP

PE STAMP		AVANGRID ENGINEERING CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION Property of AVANGRID				SWITCHYARD BUS AND EQUIPMENT PLAN SEQ#: 056507		INDIAN WELL DERBY	
7-08	BREAKER REPLACEMENT	8/7/2018	VJP	RJS	RJS	BY/EEEE	SCALE: 1/8" = 1'-0"	FILE: 25248-400 ADDITION.dwg	REV
8	CCVT REPLACEMENT	4/27/2016	VJP	JEP	JEP	CK/CKEEE	NO.		25248-400
REV	DESCRIPTION	DATE	BY	CK	APP	DATE	10/11/1995		6

ANSI D 8/7/2018