The United Hilluminating Company 157 Church Street P.O. Box 1564 New Haven, CT 06506-0901 203,499,2000



VIA ELECTRONIC MAIL AND U.S. MAIL

October 1, 2015

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 1100 Quinnipiac Avenue, New Haven, 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 1100 Quinnipiac Avenue, New Haven, Connecticut ("Facility" or "Energy Facility Site"). The \$625 filing fee, along with 25 copies of this Notice of Exempt Modification, are enclosed herewith.

Existing Energy Facility

The site is located at 1100 Quinnipiac Avenue in the City of New Haven, CT at L41°19'2.5392"N and Λ 72°52'38.2656"W; consists of an assemblage of three parcels; and is bounded as follows:

Parcel 1

BEGINNING at a point where the Westerly line of land of The United Illuminating Company meets the Northwesterly line of Quinnipiac Avenue, distant 94 feet Eastwardly and radially from the monumented centerline of the railroad of Penn Central Transportation Company leading from New Haven to New London, Connecticut at station 182+27.73 therein;

EXTENDING from said beginning point the following four courses and distances, the first three thereof being by remaining land of said Transportation Company: (1) Northwestwardly, at right angles to said Northwesterly line of Quinnipiac Avenue, 60.51 feet to a point distant 49 feet measured Eastwardly and radially from said monumented centerline at station 181+88.18 therein; (2) Northwardly, parallel with said monumented centerline, on a curve to the

left having a radius of 3206.04 feet, the arc distance of 614.05 feet to a point opposite station 175+83.51 in said monumented centerline; and (3) Southeastwardly, 49.75 feet to a point in said Westerly line of land of Illuminating Company distant 94 feet measured Eastwardly and radially from said monumented centerline at station 176+04.30 therein, said last mentioned point being at the distance of 20.9 feet, +/-, measured Southwardly, along said line of land of Illuminating Company, from a corner of land now or formerly of William Augur; and thence (4) Southwardly, along said line of land of Illuminating Company, parallel with said monumented centerline, on a curve to the right having a radius of 3251.04 feet, the arc distance of 642.00 feet to the place of beginning.

Deed was recorded in volume 2421 at page 637 on October 29, 1971.

Parcel 2

Southeast by Quinnipiac Avenue, 262 feet, more or less; Southwest by land now or formerly of New York, New Haven and Hartford Railroad Company, 6.62.9 feet, more or less; Northerly by land now or formerly of Henry Page, 66.8 feet, more or less; Northeast by land now or formerly of J. Henry Kilmartin, 292.7 feet; Northeast again by land now or formerly of J. Henry Kilmartin, 136.6 feet; North by land now or formerly of J. Henry Kilmartin, 91 feet.

Deed was recorded in volume 2372 at page 233 on March 12, 1969.

Parcel 3

BEGINNING at a point in the northwesterly line of Quinnipiac Avenue, said point being the northeasterly corner of land of the Grantor; thence running Southwesterly along the said northwesterly line or Quinnipiac Avenue, a distance of 25.00 feet; thence running Northwesterly in a straight line making a right angle with the said northwesterly line of Quinnipiac Avenue, a distance of 257 feet; thence running Southwesterly in a straight line making a right angle with the last described line, a distance of 125 feet, more or less, to land of the Grantee; thence running Northerly along the easterly line of land of the Grantee, a distance of 205 feet, more or less, to the southerly line of Russell's Crossing; thence running Easterly along the southerly line of Russell's Crossing, a distance of 20.24 feet; thence running Southeasterly along the southwesterly line of land formerly of James H.Clementel, more lately in part of Frank Maturo and in part of Willburn Seaquist and Frank Maturo, in all, a distance of 391.34 feet, to the point and place of beginning, said last mentioned line making a right angle with the said northwesterly line of Quinnipiac Avenue.

Deed was recorded in volume 2412 at page 155 on June 29, 1971.

Existing yard structures are approximately 90 feet high and are enclosed in a fenced and graveled area of 2.1 acres +/-.

Proposed Modifications

UI is proposing to replace the existing 14-foot perimeter fence at its Quinnipiac Substation located in New Haven, Connecticut due to degradation. The new fence will be 14-foot high, with 1-foot of barbed wire (same configuration as exists today); same mesh size; and pole spacing and gates installed in the same location. The fence line will remain the same with the exception of the Eastern (front) fence line, which will be pulled back toward the substation by 3 feet. A Drawing of UI's Yard Plan with fence replacement locations is attached hereto. As the proposed modifications relate solely to replacement of station hardware, 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, UI believes that the proposed changes do not constitute a modification to an existing facility that may have a substantial adverse environmental effect and is 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 <u>do not</u>:

- (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) Manage 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 at the site boundary;
- (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.

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

Do not hesitate to contact me at (203) 926-4737 should you have an questions regarding this notice.

Very truly yours, Kaldon Kateeryko

Bohdan Katreczko

Manager, Environmental & Real Estate Services

UIL Holdings Corporation

As Agent for The United Illuminating Company

Attachments

Cc: Mayor Toni Harp, City of New Haven

Melanie Bachman, Esq., Connecticut Siting Council

Proof of Service

The undersigned hereby certifies, in accordance with Regulations of Connecticut State Agencies ("R.C.S.A.") §16-50j-58, that this Notice of Exempt Modification was mailed by first class mail, postage prepaid on October 1, 2015 to the chief elected official of the City of New Haven, CT.

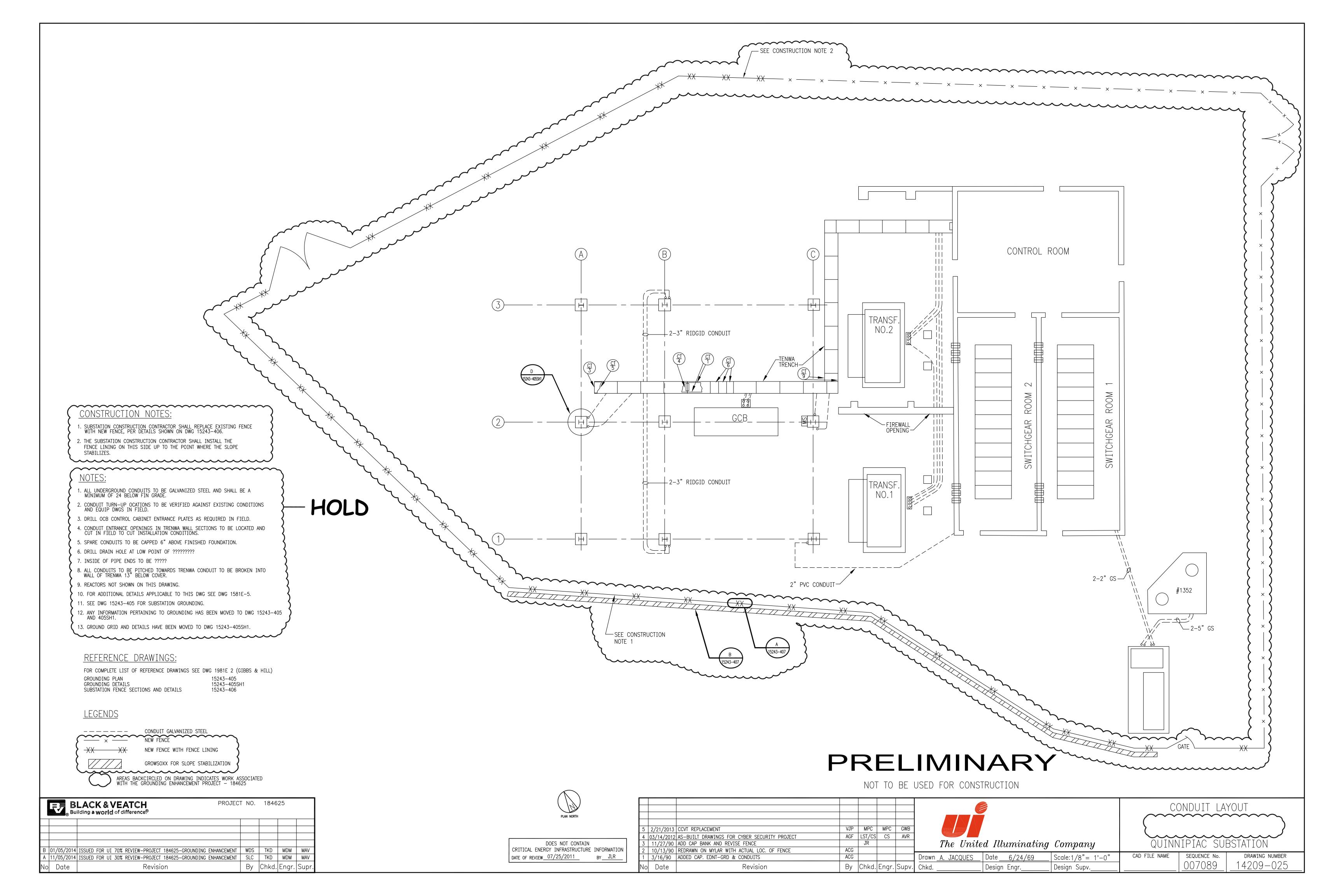
Bohdan Katreczko

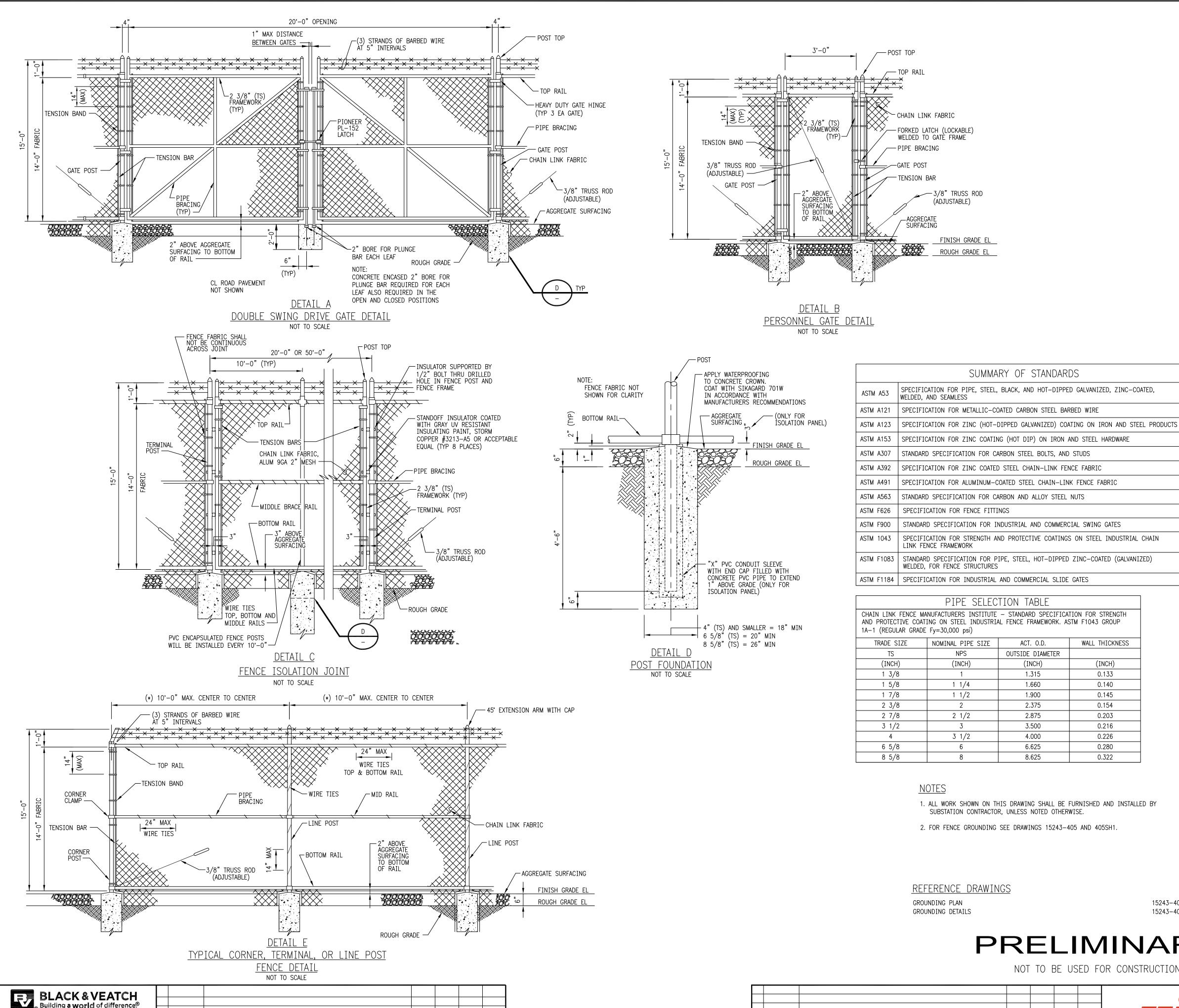
Manager, Environmental & Real Estate Services

By: Noholan Katue of for

UIL Holdings Corporation

As Agent for The United Illuminating Company





10/31/2014

NO DATE

B D1/05/2014 ISSUED FOR UI 70% REVIEW-PROJECT 184625-GROUNDING ENHANCEMENT WDS TKD MDM MAY

A 11/05/2014 ISSUED FOR UI 30% REVIEW-PROJECT 184625-GROUNDING ENHANCEMENT SLC TKD MDM MAV

REVISION

DRN | CHKD | DESN | SUPF

NEW DRAWING

PROJECT # 184625

SUBSTATION FENCE SPECIFICATION

THE WORK DETAILED IN THE FOLLOWING SPECIFICATIONS INCLUDES LABOR, EQUIPMENT, TRANSPORTATION, AND MATERIAL REQUIRED FOR THE INSTALLATION AND/OR ERECTION OF FENCES, GATES, AND RELATED ITEMS.

<u>FENCE/GATE FABRIC:</u>

9 GAUGE; 2 INCH (50 mm) MESH; ALUMINUM COATED STEEL ASTM A491; KNUCKLED SELVAGE TOP AND BOTTOM OR TWISTED SELVAGE ON TOP, KNUCKLED SELVAGE ON BOTTOM. OPTIONAL TO INCLUDED SLATS.

TENSION BARS:

TENSION BARS FOR FASTENING FABRIC TO GALVANIZED STEEL PIPE TERMINAL AND GATE POST SHALL BE A MINIMUM OF 1/4"x 3/8" GALVANIZED STEEL BAR COMPLYING WITH THE LATEST VERSION OF ASTM A153. TENSION BANDS (WIRE TIES) SHALL COMPLY WITH THE LATEST VERSION OF ASTM A392-11 (2.0 OZ/FT2).

BARBED WIRE AND BARB ARMS

ALUMINUM BARBED WIRE WITH (3) 12.5 GAUGE MAIN WIRES. 4 POINT ROUND 14 GAUGE. BARBS SPACED 5 INCHES APART AT 45 DEGREE ANGLE. MAIN WIRE OF 5052 H38 OR 5056 H32 ALUMINUM BARBS OF 5052 H38, 5056 H32 OR 6061 T94 ALUMINUM.

PIPE SELECTION

SEE "PIPE SELECTION TABLE" FOR DIMENSIONAL AND/OR CROSS REFERENCE DATA. TRADE SIZE DEFINITION SHALL BE USED HEREIN. AND MAY BE ABBREVIATED BY "TS".

CORNER, TERMINAL, AND PULL POST:

HOT-DIPPED, ZINC-COATED STEEL PIPE, 8 5/8" (TRADE SIZE) CONFORMING TO THE LATEST VERSION OF ASTM

F1043 GROUP IA.

HOT-DIPPED, ZINC-COATED STEEL PIPE, CONFORMING TO THE LATEST VERSION OF ASTM F1043 GROUP IA.

WIDTH OF GATE	TRADE SIZE (INCH)
UP TO 12'	8 5/8"
12'_18'	NI /A

12 - 10

LINE POST:

HOT-DIPPED, ZINC-COATED STEEL PIPE, 6 5/8" (TRADE SIZE) CONFORMING TO THE LATEST VERISION OF ASTM F1043 GROUP IA.

ALL POSTS SHALL HAVE PRESSED GALVANIZED STEEL POST TOPS THAT CONFORM TO THE LATEST VERSION OF ASTM F626 (1.20 OZ/FT^2).

POST FITTINGS:

ALL HOT-DIPPED GALVANIZED FITTINGS TO COMPLY WITH THE LATEST VERSION OF ASTM 153A. ALL STEEL FITTINGS SHALL COMPLY WITH THE LATEST VERSION OF ASTM A392-11 (2.0 OZ/FT2). TERMINAL POST FITTINGS, INCLUDING 1" WIDE TENSION BANDS, SHALL BE SPACED AT 14" INTERVALS. TOP, BOTTOM AND BRACE RAIL WIRE TIES SHALL BE #9 GAUGE OR LARGER STEEL WIRE SPACED AT 24" INTERVALS. LINE POST WIRE TIES SHALL BE #9 GAUGE OR LARGER STEEL WIRE SPACED AT 14" INTERVALS.

TOP RAIL, BOTTOM RAIL AND MIDDLE BRACE RAIL (WHERE APPLICABLE):

HOT-DIPPED, ZINC-COATED STEEL PIPE, 2 3/8" (TRADE SIZE) CONFORMING TO THE LATEST VERSION OF ASTM F1043. TOP RAILS SHALL BE TERMINATED WITH 6" RAIL SLEEVE COUPLINGS COMPLYING WITH THE LATEST VERSION OF ASTM F626.

HOT-DIPPED, ZINC-COATED, STEEL TRUSS ROD, 3/8" DIAMETER, COMPLETE WITH TRUSS TIGHTENER CONFORMING TO THE LATEST VERSION OF ASTM F626. THERE SHOULD BE ONE BRACE PER GATE POST AND TERMINAL POST, TWO BRACES PER CORNER POST OR INTERMEDIATE PULL POST.

HOT-DIPPED GALVANIZED SLEEVE TYPE CONFORMING TO THE LATEST VERSION OF ASTM F626, 6 INCHES LONG, EXPANSION SPRING IN EVERY FIFTH COUPLING.

16' DOUBLE SWING DRIVE GATE. FRAME AND PIPE BRACING TO BE WELDED-CONSTRUCTION (WATER-TIGHT), HOT-DIPPED ZINC- COATED STEEL PIPE, 2 3/8" (TRADE SIZE). PIPE BRACING TO BE WELDED TO GATE FRAME WITH FULL PERIMETER WELDS. GATE FABRIC TO BE THE SAME AS FENCE FABRIC, AND GATE SHALL INCLUDE 3-STRANDS BARB WIRE, SAME AS FENCE.

PERSONNEL GATE:

3' SWING GATE CONSTRUCTION SIMILAR TO DRIVE GATE. JOINTS BETWEEN FRAME MEMBERS MADE BY WELDING OR BY MEANS OF HEAVY FITTINGS AND SHALL BE RIGID AND WATERTIGHT. TRUSS RODS SHALL BE 3/8" DIAMETER. PERSONNEL GATE LATCHING SHALL BE HEAVY DUTY AND WELDED TO FRAME TO PREVENT RÉMOVAL LATCH SHALL PERMIT OPERATION FROM EITHER SIDE OF GATE. GATE FABRIC TO BE THE SAME AS FENCE FABRIC, AND GATE SHALL INCLUDE 3-STRANDS BARB WIRE. SAME AS FENCE.

INDUSTRIAL WEIGHT OF GALVANIZED, MALLEABLE IRON.

LATCH:

DRIVE GATE LATCHING TO CONSIST OF A HOT-DIPPED HEAVY DUTY DOUBLE DRIVE GATE LATCH TO BE WELDED TO THE GATE FRAME RAILS. PIONEER PART #PL-152. OR EQUIVALENT. PERSONNEL GATE LATCHING TO BE HEAVY DUTY AND WELDED IN PLACE TO PREVENT REMOVAL.

INSTALLATION:

- 1. THE TOP 6" OF ALL POST FOUNDATIONS SHALL EXTEND ABOVE ROUGH GRADE AT A CONSTANT DIAMETER (TO LIMIT FROST HEAVING) AND THEN TAPER UPWARD ANOTHER 1" TO THE POST. THE BOTTOM 6" OF EACH POST FOUNDATION IS BELOW THE BOTTOM OF EACH POST. THIS IS TO LIMIT THE POST FROM EXPOSURE TO MOISTURE IN THE SOIL.
- 2. CONCRETE COMPRESSIVE STRENGTH = 4,000 PSI MINIMUM AT 28 DAYS.
- 3. IF SOLID ROCK IS ENCOUNTERED DURING POST EXCAVATION, EXCAVATION SHALL CONTINUE TO THE REQUIRED DEPTH OR 18" INTO THE ROCK, WHICHEVER IS LESS. POST HOLES IN SOLID ROCK SHALL BE 6" LARGER IN DIAMETER THAN POST. TOP OF CONCRETE TO BE CROWNED TO SHED WATER.
- 4. POST SPACING INTERVALS TO BE NOT MORE THAN 10' ON CENTERS. ASSUMING FLAT TERRAIN, PULL POSTS (SAME AS CORNER, TERMINAL POST) TO BE PROVIDED IN CENTERS OF ALL RUNS EXCEEDING 500' IN LENGTH. PULL POSTS MAY BE REQUIRED MORE OFTEN FOR UNDULATING TERRAIN.
- 5. NOTHING SHALL BE ATTACHED TO ANY FENCE OR GATE POST FOR A MINIMUM OF 24 HOURS AFTER THE POST HAS BEEN SET IN CONCRETE.
- 6. TYPICAL SUBSTATION YARDS CONTAIN 6" OF AGGREGATE SURFACE MATERIAL (ROCK). FENCE FABRIC TO BE INSTALLED SUCH THAT THE BOTTOM OF THE FABRIC IS 6" BELOW THE FINISH ROCK GRADE. BOTTOM OF FABRIC AT GATES SHALL BE 1" ABOVE FINISH ROCK GRADE.
- 7. THE BARBED WIRE EXTENSION ARMS MAY BE ANGLED OUT AWAY FROM THE SUBSTATION YARD WHEN THE FENCE IS LOCATED A MINIMUM OF 3' INSIDE THE PROPERTY LINE. WHEN THE FENCE IS LOCATED ON OR WITHIN 2' OF THE PROPERTY LINE, THE BARBED WIRE EXTENSION ARMS SHALL BE ANGLED INTO THE SUBSTATION YARD.
- 8. (*) FOR HURRICANE PRONE AREAS AND FENCE WITH SLATS USE 5'-0" MAXIMUM POST SPACING.
- 9. FENCE WITH SLATS DESIGN CONSIDERS ONLY EXTREME WIND LOADING AND NOT HURRICANE PRONE AREA

CONDITION. 15 FT SUBSTATION FENCE

SECTIONS AND DETAILS

SEQUENCE No.

DRAWING NUMBER

15243-406

QUINNIPIAC SUBSTATION

CAD FILE NAME

The United Illuminating Company Date 10/31/2014 | Scale:

By Chkd. Engr. Supv.

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION

Drawn

Chkd.

CHAIN LINK FABRIC

— PIPE BRACING

TENSION BAR

SURFACTNO

WELDED, AND SEAMLESS

- FORKED LATCH (LOCKABLE)

-3/8" TRUSS ROD

ROUGH GRADE EL

SUMMARY OF STANDARDS

SPECIFICATION FOR METALLIC-COATED CARBON STEEL BARBED WIRE

STANDARD SPECIFICATION FOR CARBON STEEL BOLTS, AND STUDS

STANDARD SPECIFICATION FOR CARBON AND ALLOY STEEL NUTS

PIPE SELECTION TABLE

SPECIFICATION FOR FENCE FITTINGS

WELDED, FOR FENCE STRUCTURES

NOMINAL PIPE SIZE

NPS

(INCH)

1 1/4

1 1/2

2

2 1/2

3 1/2

6

REFERENCE DRAWINGS

GROUNDING PLAN

Revision

GROUNDING DETAILS

LINK FENCE FRAMEWORK

TS

SPECIFICATION FOR ZINC COATED STEEL CHAIN-LINK FENCE FABRIC

SPECIFICATION FOR ALUMINUM-COATED STEEL CHAIN-LINK FENCE FABRIC

STANDARD SPECIFICATION FOR INDUSTRIAL AND COMMERCIAL SWING GATES

SPECIFICATION FOR STRENGTH AND PROTECTIVE COATINGS ON STEEL INDUSTRIAL CHAIN

ACT. O.D.

OUTSIDE DIAMETER

(INCH)

1.315

1.660

1.900

2.375

2.875

3.500

4.000

6.625

8.625

1. ALL WORK SHOWN ON THIS DRAWING SHALL BE FURNISHED AND INSTALLED BY

SUBSTATION CONTRACTOR, UNLESS NOTED OTHERWISE.

2. FOR FENCE GROUNDING SEE DRAWINGS 15243-405 AND 405SH1

WALL THICKNESS

(INCH)

0.133

0.140

0.145

0.154

0.203

0.216

0.226

0.280

0.322

15243-405

15243-405SH1

Design Engr.

Design Supv.

SPECIFICATION FOR PIPE, STEEL, BLACK, AND HOT-DIPPED GALVANIZED, ZINC-COATED,

(ADJUSTABLE)

WELDED TO GATE FRAME