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June 23, 2016

VIA ELECTRONIC FILING

Ms. Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, PA 17120

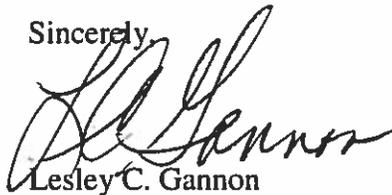
Re: Municipal Contract filed under 52 Pa. Code § 3.101
Right of Way Agreement between Duquesne Light Company and Ross Township

Dear Secretary Chiavetta:

In accordance with the Pennsylvania Public Utility Code and Commission Regulations, I have enclosed one copy of the executed Right of Way Agreement dated June 6, 2016 between Duquesne Light Company and Ross Township, in which Ross Township granted to Duquesne Light Company a right of way on property owned by it and situate in Ross Township, Allegheny County.

Should you have any questions regarding the enclosed filing or Agreement, please feel free to call.

Sincerely,



Lesley C. Gannon

Enclosure

DUQUESNE LIGHT CO. COPY

PRIVATE PROPERTY PRIMARY RIGHT OF WAY AGREEMENT

The undersigned Grantor, Township of Ross, a Pennsylvania municipal corporation, does hereby grant unto Duquesne Light Company (Duquesne), its successors and assigns, for providing, transmitting and/or distributing electric and/or communications services for any and all purposes, the right, privilege and authority to erect, install, use, operate, maintain, repair, renew and finally remove (a) an overhead system, consisting of one (1) pole #368522, together with crossarms, cables, wires, anchors, antennas and other fixtures and apparatus thereto belonging; and (b) an underground system consisting of cables, wires, conduit, aboveground mounted sectionalizer, transformer and other fixtures and apparatus thereto belonging, upon, over, under, along, across and through Grantor's land, fronting on Cemetery Lane, situate in Ross Township, Allegheny County, Pennsylvania, (having tax I.D. 217-D-75); together with the right to occupy and use as part of the underground system the conduit, switch pad, transformer pad provided by Grantor; to trim or to remove any trees, shrubbery, roots or obstructions which at any time may interfere or threaten to interfere with the erection, installation, use, operation, maintenance, repair, renewal or final removal of the systems; to enter upon the land at any time for such purposes; and to sublet or assign Duquesne's interest, in whole or in part, without the prior consent of Grantor. The systems shall be in accordance with and substantially at the location shown on Duquesne's Drawing No. 597333-T1 & 597333-T2 copies of which have been attached to and made part hereof.

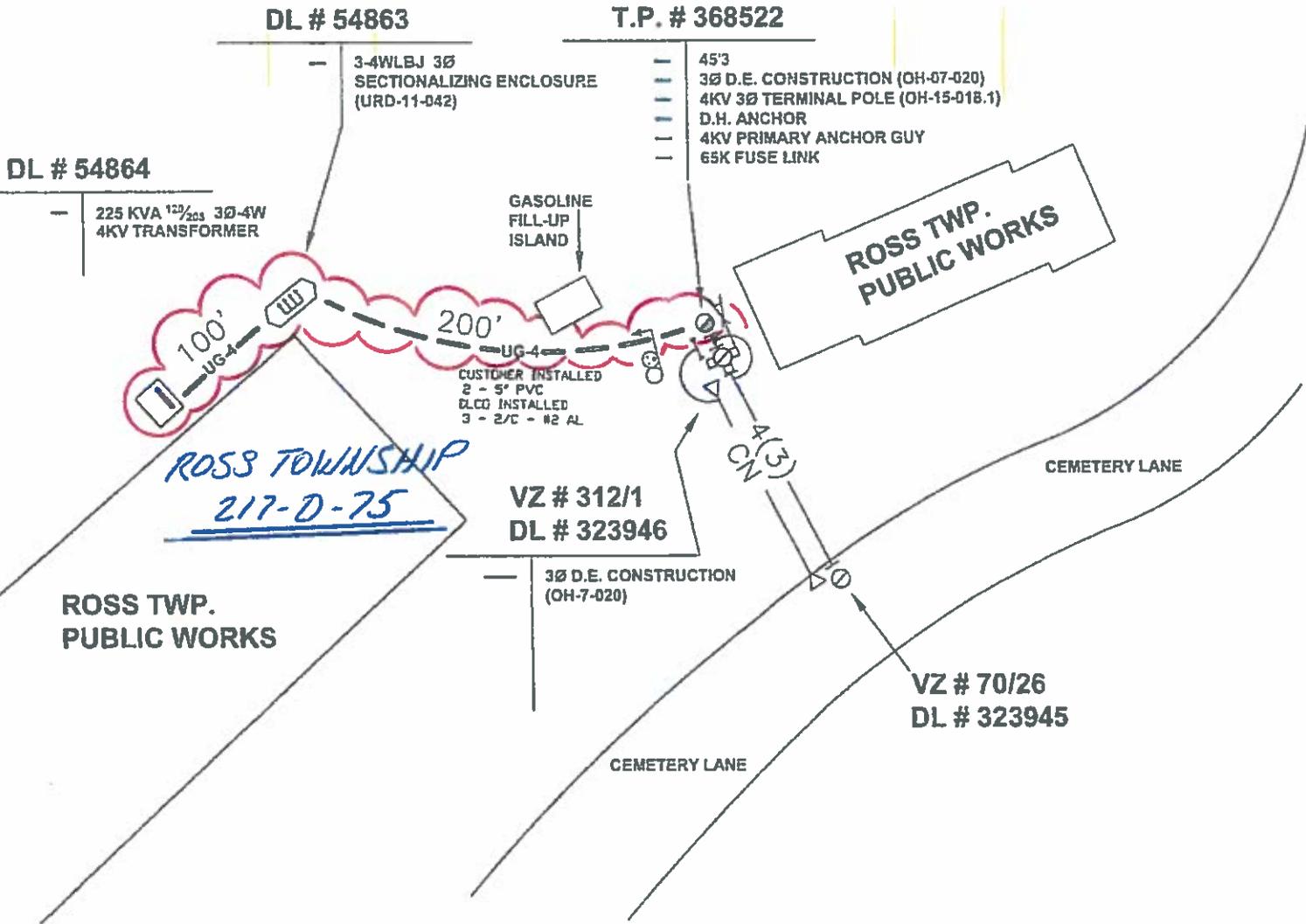
The responsibility for the installation and construction of the underground system shall be as detailed and defined on the herein referred drawing and/or related drawings. The conduit, switch pad, transformer pad, guard posts and chain barrier required as part of the underground system shall be installed, owned, maintained, renewed and finally removed by Grantor, Grantors' successors and assigns.

Duquesne shall not be liable for damage to walks, driveways, roads, curbs, lawns or shrubs in the non-negligent exercise of the rights herein granted.

No.597333

MAP E0611

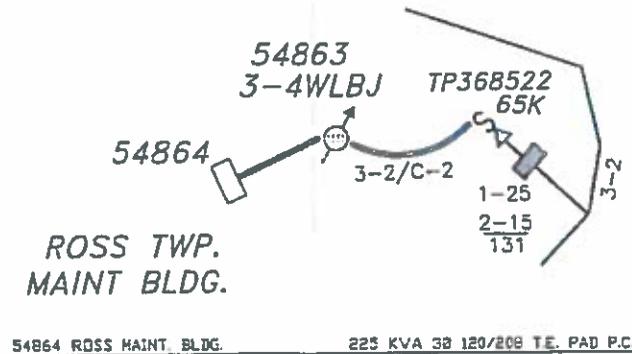
CKT. 04222 KEATING



PRESENT



PROPOSED



REVISIONS



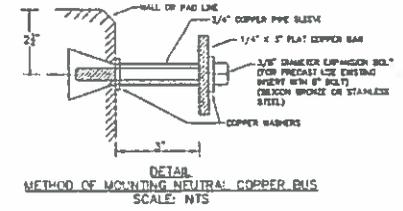
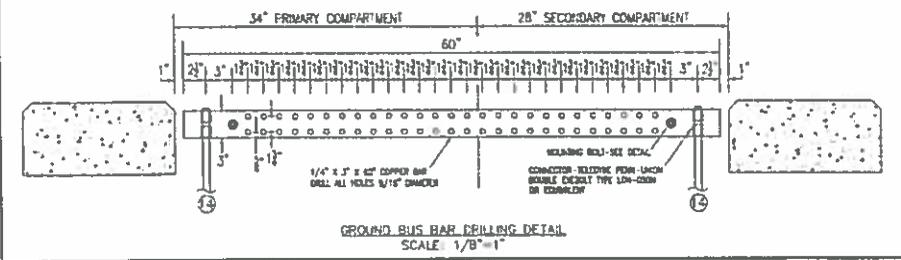
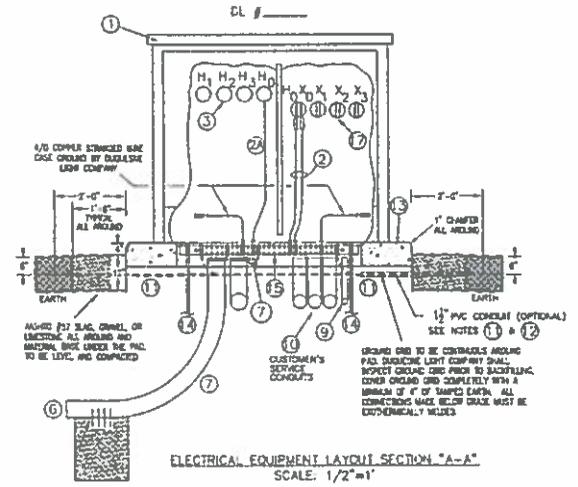
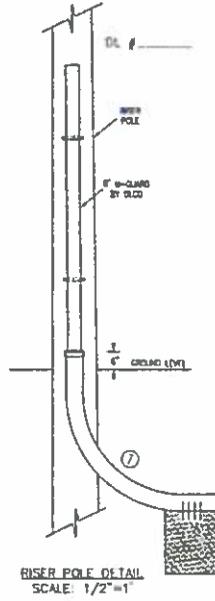
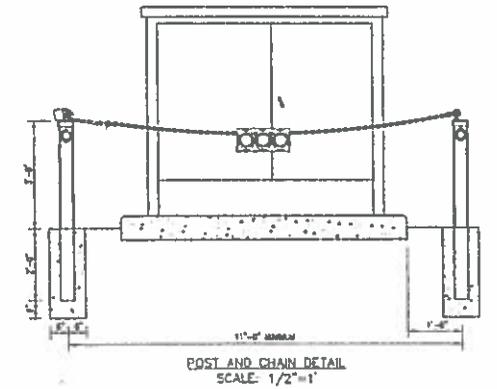
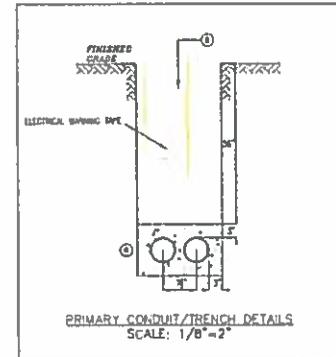
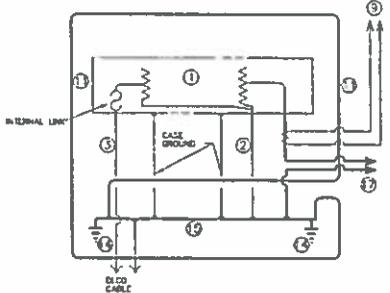
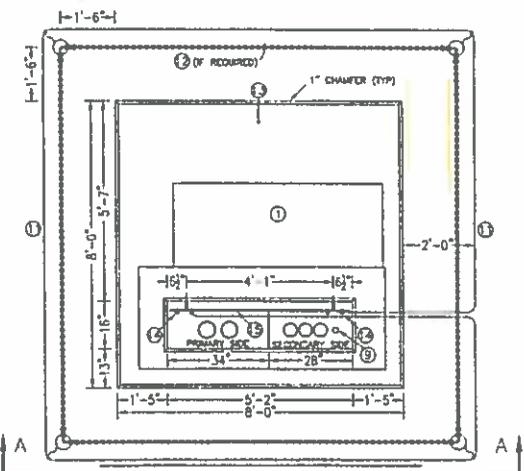
Duquesne Light Our Energy...Your Power
CONSTRUCTION ENGINEERING

NEW BUSINESS
225 CEMETERY LANE ROSS TOWNSHIP
DLCO TO INSTALL 4KV T.P. - SECT. ENCL. - 300 KVA XFMR

SCALE	DATE COMPL'D	ARCH. APP.	FINAL APP. FOR ISSUE
N.T.S.	MAY 2016		
	DRAWN BY	ELECT. APP.	
	TOM WATSON		
	DRAFT CH'GD	MECH. APP.	
	ENGR. CH'GD	CIVIL APP.	

DATE NO.	S/A NO.	DWG. NO.
		A 597333 T1

REV.0



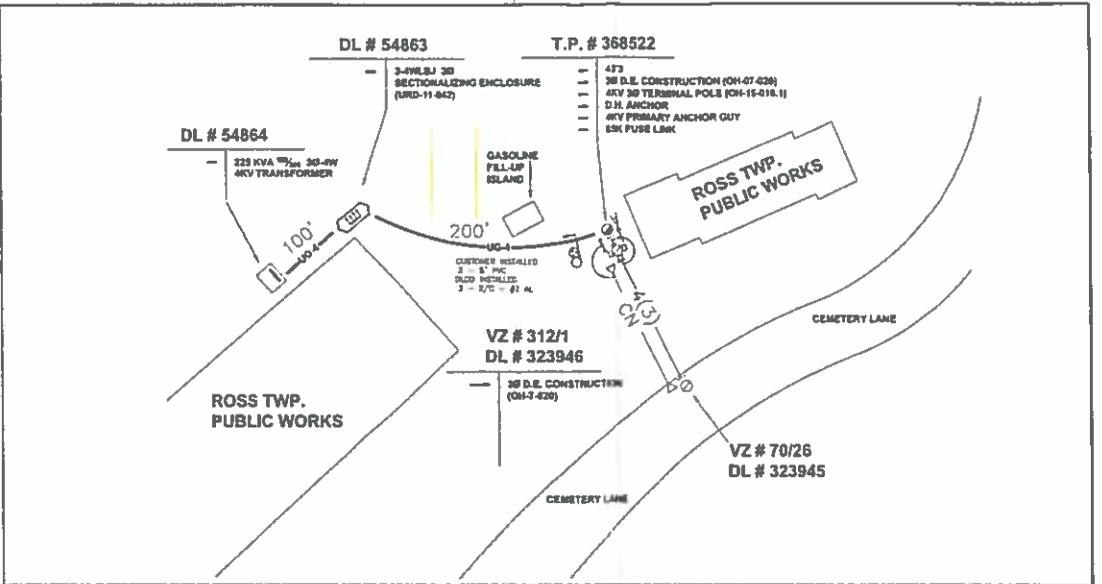
- ### GENERAL NOTES
- ALL EQUIPMENT AND WORK SHALL CONFORM WITH THE NATIONAL ELECTRICAL CODE AND APPLICABLE UNDERWRITERS' AND GOVERNMENTAL BUILDING CODES. CERTAIN ITEMS AS NOTED ON THE DRAWING ARE SUBJECT TO INSPECTION AND APPROVAL BY THE INSPECTOR. LIGHT COMPANY FOR ALL DUQUESNE LIGHT COMPANY INSPECTIONS, CONTACT TOL WATSON AT (412) 222-2222. A MINIMUM OF TWO DAYS NOTICE IS REQUIRED.
 - CUSTOMER WIRE CONNECTIONS TO THE GROUND BUS SHALL BE MADE WITH COPPER COMPRESSION TERMINAL LUG CONNECTIONS HAVING A MINIMUM OF TWO COMPRESSIONS OVER EACH WIRE AND SHALL BE CONNECTED TO THE BUS BAR WITH A MINIMUM OF TWO 1/2" SILICON BRONZE OR STAINLESS STEEL BOLTS.
 - ALL BUS BAR CONNECTIONS AND CABLE LUGS SHALL BE DRILLED TO CONFORM TO NEMA STANDARDS (3/16" DIAMETER HOLES ON 1/4" SPACINGS) AND BOLTED WITH TWO 1/2" SILICON BRONZE OR STAINLESS STEEL BOLTS.
 - ALL PADS REQUIRED TO BE PRECAST UNLESS OTHERWISE NOTED ON THE ASSOCIATED CONSTRUCTION PRINTS. FOR APPROVED SUPPLIERS SEE NOTE 10.
 - PRIOR TO RECEIVING TRANSFORMER INSTALLATION, AN UNOBTSTRUCTED ACCESS WAY CAPABLE OF 1620-44 (ELDS) FRAMES PER AILED TRUCK LOADING SHALL BE PROVIDED AND FURNISHED BY THE CUSTOMER.
 - DUQUESNE LIGHT COMPANY IS TO HAVE THE RIGHT OF INGRESS AND EGRESS AT ALL TIMES. DUQUESNE LIGHT COMPANY SHALL BE ADVISED FROM ALL PROPERTY DAMAGED DUE TO NON-RESIDENT PROGRESS OR DEBARS OF DUQUESNE LIGHT COMPANY PERSONNEL OR EQUIPMENT.

- ### DUQUESNE LIGHT COMPANY WORK
- INSTALL 1 - 300 KVA DISTRIBUTION TRANSFORMER, CENTERED W/VE - W/VE FOR 277/480 VOLT, 34/48 WIRE OPERATION.
 - INSTALL TWO (2) 600 MCM COPPER CABLES (FOR 3 WIRE SERVICES) OR ONE (1) COPPER WIRE (FOR 3 WIRE SERVICES) FROM THE M.L. TRANSFORMER TERMINAL TO THE GROUND BUS, BOLT WITH TWO 1/2" SILICON BRONZE BOLTS AT EACH CONNECTION.
 - IF THE TRANSFORMER IS EQUIPPED WITH A SEPARATE N. BUSHING, INSTALL A 4/8 STRANDED BARE COPPER WIRE FROM N. BUSHING TO GROUND BUS.
 - INSTALL PRIMARY CABLES FROM THE DECONJUGATED SUPPLY POINT TO THE TRANSFORMER AND CONNECT TO THE PRIMARY TERMINALS.

- ### CUSTOMER'S WORK
- CONCRETE EXISTING:
 - PVC SCHEDULE 40 OR 80, IN ACCORDANCE WITH NEMA SPECIFICATIONS 1C-2.
 - TYPE OF 80 UTILITY DUCT, IN ACCORDANCE WITH NEMA SPECIFICATION 1C-2.
 - NO SPACES PERMITTED IN CONDUIT RUN UNLESS APPROVED BY DUQUESNE LIGHT COMPANY. ALL FEEDS SHOULD BE TO A MINIMUM 2" BENDS.
 - INSTALL 400 LB GAUGE W/IRON CONDUIT HAVING A MINIMUM BREAKING STRENGTH OF 170 LBS. IN EACH CONDUIT AND SLOW.
 - INSTALL PVC SPACERS APPROXIMATELY EVERY 6'-0".
 - CONDUIT TO BE CONCRETE ENCASED UNDER ALL UNFINISHED SURFACES OR WHERE SPECIFIED ON THE CONSTRUCTION PRINT.
 - IF WIRE CONDUIT ENCASEMENT IS NOT REQUIRED, USE TAMPED SELECT BACKFILL APPROVED BY DUQUESNE LIGHT COMPANY.
 - IF MORE THAN ONE SIZE OF DUCT IS TO BE CONCRETE ENCASED, ENCASE THE ENTIRE DUCT.
 - GROUNDING:
 - EXTEND CLAMPS A MINIMUM OF 3" AND A MAXIMUM OF 6" INTO PAD OPENING OR 4" LAP JOINT. DRILL FOUR 1/2" DIAMETER HOLES AT 2" CENTER AT THE LOW POINT OF EACH END AND REMOVE ALL INTERNAL BURRS. INSTALL AN 'INVERTED' DEEP FRESH DRAIN. THE 1/2" GALV. W/IRON CONDUIT INSTALLER UNDER NOTE 10 ABOVE IS TO BE FIELDED THROUGH EACH END. 'CAP' ALL CONDUIT OPENINGS.
 - ALL PRIMARY CONDUIT TO BE CENTERED IN 34" PRIMARY PAD COMPARTMENT.
 - SEPARATE & BACKFILLING:
 - NO BACKFILLING SHALL BEGIN UNTIL THE PRIMARY ELECTRICAL CONDUIT SYSTEM HAS BEEN INSPECTED AND APPROVED BY DUQUESNE LIGHT COMPANY.
 - BACKFILL WITH EARTH AND COMPACT. BACKFILL SHALL CONTAIN NO ROCKS, STONES, ETC. OVER 2" IN DIAMETER.
 - INSTALL ELECTRICAL WRAPPING TAPE AROUND CONDUIT.
 - INSTALL ONE 1-1/2" PVC SCHEDULE 80 CONDUIT FROM THE SECONDARY SIDE OF THE PAD OPENING TO THE METER LOCATION. CONDUIT TO EXTEND 4" INTO PAD OPENING. PROVIDE A GROUND WIRE (W/IRON OR COPPER) FROM DUQUESNE LIGHT COMPANY TO PULL IN WITH METRIC CONDUIT. PROVIDE A 1/2" GALV. W/IRON CONDUIT HAVING A MINIMUM BREAKING STRENGTH OF 170 LBS. IN THE 'CAP' CONDUIT FOR TERMINAL CONTACT CONCERNING TYPES AND LOCATION OF METERING EQUIPMENT CONTACT (INTERNAL AT 100-1912-362-8113).

- ALL CONCRETS TO BE EXTENDED A MINIMUM OF 3" AND A MAXIMUM OF 4", AND TO BE CENTERED IN THE 34" SECONDARY COMPARTMENT. INITIAL CONDUITS FOR SERVICE CABLES FROM THE 34" SECONDARY COMPARTMENT TO THE SERVICE DISTANCE EQUIPMENT AS NOTED.
 - A MINIMUM OF 8'-4" CONCRETS MAY BE INSTALLED, (POSSIBLY LESS DUE TO TYPE OF CONDUIT) METALLIC CONCRETS SHALL BE GROUND TO THE GROUND BUS. 'CAP' ALL CONDUIT.
 - INSTALL A 24" DIA. 300 LB. COPPER WELD GROUND GRID TO EACH END OF GROUND BUS WITH A DOUBLE END BOLT CONNECTION SIMILAR TO TOLDING. FROM-UNION TYPE LOW-CRIMP. EXISTING METAL BACKFILLING SHALL BE REMOVED FROM THE GROUND GRID. THE INSTALLATION MAY BE DONE AFTER THE PAD IS CONSTRUCTED (NOTE 13) BY INSTALLING A PIECE OF 1-1/2" PVC CONDUIT UNDER THE PAD FOR SUBSEQUENT GROUND GRID INSTALLATION.
 - INSTALL A POST AND CHAIN BARRIER OF RECT. AS SHOWN AND PER DUQUESNE LIGHT COMPANY STANDARD DRAWING NO. 80816. CONNECT THE STEEL POSTS TO THE GROUND BUS USING 24" DIA. 300 LB. COPPER WELD. WIRE TO BE DIRECTIONALLY MARKED TO THE POSTS. THIS PORTION OF THE INSTALLATION MAY BE DONE AFTER THE PAD IS CONSTRUCTED (NOTE 13) BY INSTALLING A PIECE OF 1-1/2" PVC CONDUIT UNDER THE PAD FOR SUBSEQUENT GROUND GRID INSTALLATION.
 - INSTALL PRECAST TRANSFORMER PAD TO CONFORM TO UNDERWRITERS' AND LOCAL BUILDING CODES AND AS SHOWN ON THIS AND OTHER APPLICABLE DRAWINGS.
 - TO PURCHASE PRECAST PADS CONTACT A.C. WELLS CONCRETE PRODUCTS (412) 222-2222 OR A.C. WELLS (412) 222-2222.
 - INSTALL TWO 3/4" COPPER WELD GROUND RODS BROWN TO A MINIMUM OF 4'-0" IN LENGTH.
 - INSTALL A 1/4" X 1/2" COPPER BARE GROUND BUS IN THE PAD OPENING. CONNECT EACH GROUND ROD TO THE BUS WITH A DOUBLE END BOLT TYPE CONDUIT SIMILAR TO THE TOLDING FROM-UNION TYPE LOW-CRIMP. (INTERNAL CONSTRUCTION PRINT IS APPROVED BY DUQUESNE LIGHT COMPANY. CHECK IT'S INSTALLATION).
 - THE COMPLETED INSTALLATION SHALL HAVE A FIRM IDENTIFICATION BY THE CUSTOMER. THE CUSTOMER SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE TRANSFORMER CONDUIT.
 - INSTALL SERVICE CABLES AND CONNECT TO THE SECONDARY TERMINALS OF THE TRANSFORMER. THE MAXIMUM SIZE OF THE CUSTOMER'S SECONDARY CONDUCTORS IS NOT TO EXCEED THE MAXIMUM CONNECTION TABLE (BOTH DO NOT TAP) TERMINALS. THE MAXIMUM NUMBER OF SECONDARY CONDUCTORS FOR THIS TRANSFORMER IS 8 PER PHASE. THE CUSTOMER WILL FURNISH AND INSTALL 13 APPROVED CONNECTION TYPE CONNECTIONS HAVING A MINIMUM OF TWO COMPRESSIONS OVER EACH CONDUIT AND THE CONDUCTOR SHALL BE BROWN WITH SHALL NOT EXCEED 1 1/2" IN DIAMETER. SHALL BE BOLTED TO THE TRANSFORMER TERMINAL USING TWO 1/2" SILICON BRONZE OR STAINLESS STEEL BOLTS. ALL TERMINAL CONNECTIONS MUST BE MADE WITH FLEXIBLE MATERIAL. DO NOT PULL ON SECONDARY TERMINAL DURING INSTALLATION OF CABLES. CABLES MUST BE PROPERLY CUT AND STRIPPED TO EXHIBIT MECHANICAL STRESS ON THE TRANSFORMER SERVICE DURING AND FOLLOWING CONNECTION TO THE TERMINALS.
- NOTE: SERVICE CABLES TO BE INSTALLED AFTER TRANSFORMER HAS BEEN SET BY BLDG OR CONCRETE PAD.

RELATED AND REFERENCE DRAWINGS
62014 - STANDARD DRAWING FOR POST AND CHAIN BARRIER



REVISIONS



Duquesne Light Our Energy...Your Power
T&E Engineering

DATE	BY	CHKD BY	DATE
AS SHOWN	TOL WATSON	MAY 2016	

NEW BUSINESS
225 CEMETERY LANE ROSS TWP.
CONSTRUCTION DETAILS & ELECTRICAL LAYOUT
FOR CUSTOMER'S PRECAST 225 KVA TRANSFORMER PAD

NO.	DATE	BY	DATE
A	00-0000		597333 T2