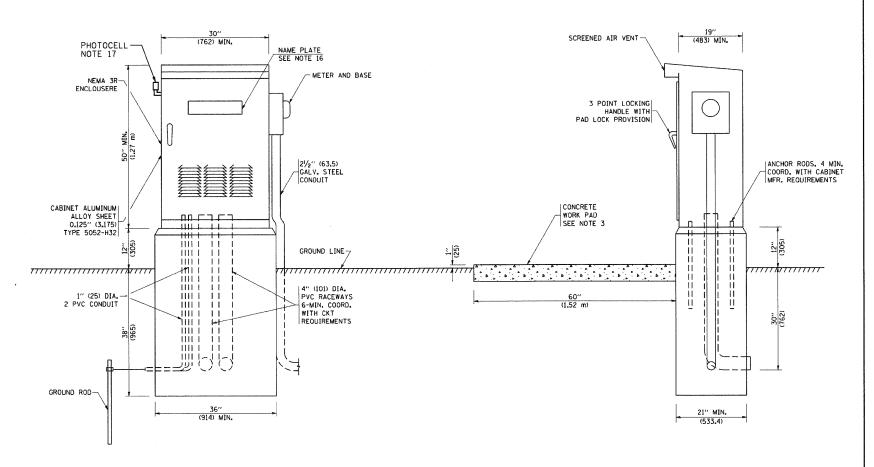


NOTES:

- 1. EXISTING PRIMARY SERVICE CONDUIT AND CABLES SHALL REMAIN.
- EXISTING PAD MOUNTED UTILITY TRANSFORMER, TRANSFORMER FOUNDATION, AND GROUNDING SYSTEM SHALL REMAIN.
- 3. COMED WILL DISCONNECT EXISTING SERVICE CONDUCTORS TO THE EXISTING TRANSFORMER. THE CONTRACTOR SHALL REMOVE EXISTING SERVICE CONDUCTORS AND EXTEND EXISTING SERVICE CONDUIT TO THE PROPOSED LIGHTING CONTROLLER WITH 4" RGC AS SHOWN ON DRAWING RL-4.
- 4. PROVIDE 10 FT OF NEW SERVICE CONDUCTOR CABLE SLACK FOR CONNECTION TO TRANSFORMER BY COMED. CABLE SHALL CONFORM TO THE REQUIREMENTS SPECIFIED FOR ELECTRIC CABLE IN CONDUIT. LABEL CABLE ON BOTH ENDS. SEE PLAN DRAWINGS FOR CABLE TYPE, SIZE, AND QUANTITY.
- 5. 4" RGSC. 90-DEGREE LONG SWEEP ELBOW.

PLOT DATE = 12/14/201

6. UNDER THE "ELECTRIC UTILITY SERVICE CONNECTION" PAY ITEM, COMMONWEALTH EDISON COMPANY SHALL FURNISH AND INSTALL METER ON CONTROL CABINET.



NOTES:

- 1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- 2. FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MANUFACTURER.
- 3. IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50,8) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (191.4) × 60" (18.288 m) × 4" (101) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF "LIGHTING CONTROLLER, SPECIAL" PAY ITEM.
- 4. DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- 5. DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP AND BOTTOM.
- 6. DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" (6.35) DIA. STAINLESS STEEL
- 7. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- 8. CONTROL WIRING TO BE "12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- 10. CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.

- 11. THE HEADS OF CONNECTOR SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTION.
- 12. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS FOLLOWS:

 R = RED BL = BLUE W = WHITE B = BLACK Y = YELLOW G = GREEN
- 13. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- 14. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- 15. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 16. 12" (304.8) × 16" (406.4) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO READ "CITY OF WEST CHICAGO LIGHTING CONTROLS" UNLESS OTHERWISE
- 17. MOUNT PHOTOCELL TO THE SIDE OF THE CONTROLLER ENCLOSURE. PROVIDE SHIELDS TO BLOCK LIGHTS FROM NEARBY LIGHT POLES AND VEHICLES.

ELECTRICAL SERVICE INSTALLATION DETAIL - LIGHTING CONTROLLER "G"

CONTROLLER CABINET DETAILS (IDOT STANDARD BE-215) N.T.S.

USER NAME = cmartin DESIGNED - JLW REVISED DRAWN - CJM REVISED CHECKED KMY REVISED PLOT SCALE = 1:1 REVISED

12/09/11

DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

COUNTY TOTAL SHEETS NO.

DUPAGE/KANE 421 162 SECTION **ILLINOIS ROUTE 38 AND KAUTZ ROAD** LY (HB & VB) 347 LIGHTING CONTROLLER "G" CABINET & SERVICE INSTALLATION DETAILS RL-7 CONTRACT NO. 60122 SHEET NO. 1 OF 1 SHEET FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

ILE NAME :

160122-SHT-RL-7.dgn