

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

SECTION **MULTI-USE PATH LIGHTING** 330 73 R-B LIGHTING STANDARD, TYPE 4A & ELECTRICAL DETAILS ED-1 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

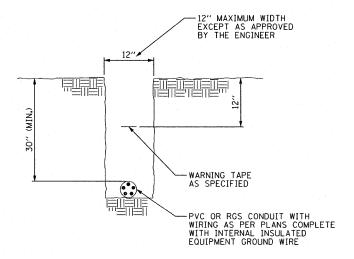
TOTAL SHEE SHEETS NO.

COOK 136 48

CONTRACT NO. 60K64

-ANCHOR BOLT (4) PER POLE MANUFACTURER'S RECOMMENDATION EXISTING GRADE LINE/-FINISHED GRADE LINE (WHEN APPLICABLE) -1" CHAMFER NOTE: FOUNDATIONS ADJACENT TO CONCRETE SIDEWALK SHALL BE 1" ABOVE FINISHED SIDEWALK GRADE. -EXOTHERMIC WELDS TO GROUND ROD, ANCHOR BOLT & RE-BAR. #6 BARE COPPER -2" PVC (TYP.) NOTE 7 1" RGSC FOR GROUND CONNECTION - 5%''×10'-0'' GROUND ROD (TYP. FOR ALL POLES) -8 #6 REBARS -2" PVC (TYP.) NOTE 7 -#4 SPIRAL WITH 6" PITCH -BOLT CIRCLE PER POLE MFRS. TEMPLATE -CLASS "SI" CONCRETE -3 ADDITIONAL LOOPS, TOP VIEW **ELEVATION** 





TYPICAL WIRING IN TRENCH DETAIL
N.T.S.

-ARM BRACKET: 2" SCH. 40 EXTRUDED ALUMINUM w/ (2) CAST ALUMINUM #356HM ALLOY CLAMP-ON COLLARS -GFCI OUTLET: 15A DUPLEX WEATHERPROOF RECEPTACLE W/ IN-USE COVER MOUNTED OPPOSITE SIDE OF HANDHOLE COVER -POLE: 5" STRAIGHT FLAT FLUTED MODIFIED LESS TENON 0.188"-0.267" WALL THICKNESS 6005-T5 ALUMINUM ALLOY 95/16" -POLE BASE w/ 111/2" BOLT CIRCLE 1'-85/8"

2'-51/2"

1'-41/2"

LIGHT POLE TYPE 4A DETAIL



2. MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE 3500 PSI AT THE END OF 28 DAYS.

LIGHT POLE FOUNDATION NOTES:

3. ALL REINFORCEMENT SHALL BE EPOXY COATED WITH A MINIMUM YIELD POINT OF 60000 PSI.

1. MINIMUM UNCONFINED COMPRESSIVE STRENGTH FOR COHESIVE SOILS OU = .8 TONS PER SO. FT. MINIMUM STANDARD PENETRATION TEST VALUE FOR GRANULAR SOILS N = 10 BLOWS PER FOOT.

4. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN FORMS. 5. EXCAVATION FOR THE POLE FOUNDATION SHALL BE WITH AN AUGER 24 INCHES IN DIAMETER.

6. THE COST OF GROUND ROD, ASSOCIATED WIRING, AND TERMINATIONS SHALL BE INCLUDED IN "LIGHT POLE FOUNDATION" PAY ITEM. NO SEPARATE PAYMENT WILL BE MADE.

7. TRANSITION TO  $1^{1}/_{4}$ " CNC AT END OF PVC CONDUIT ELBOW.