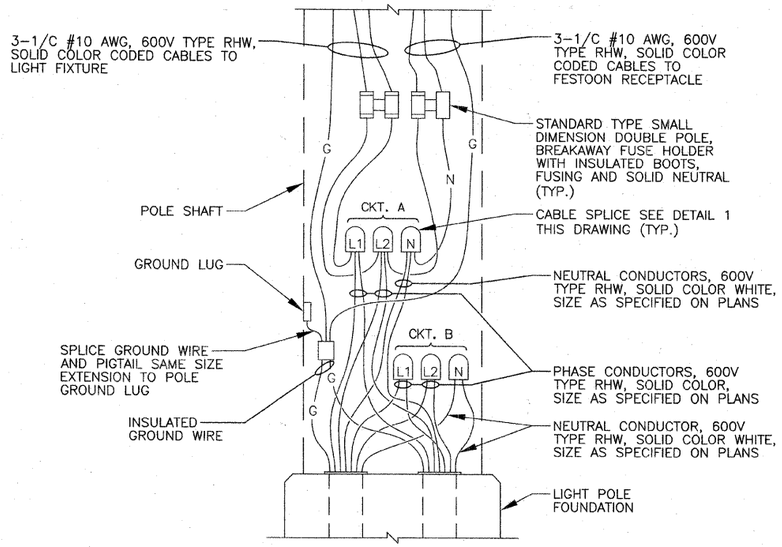
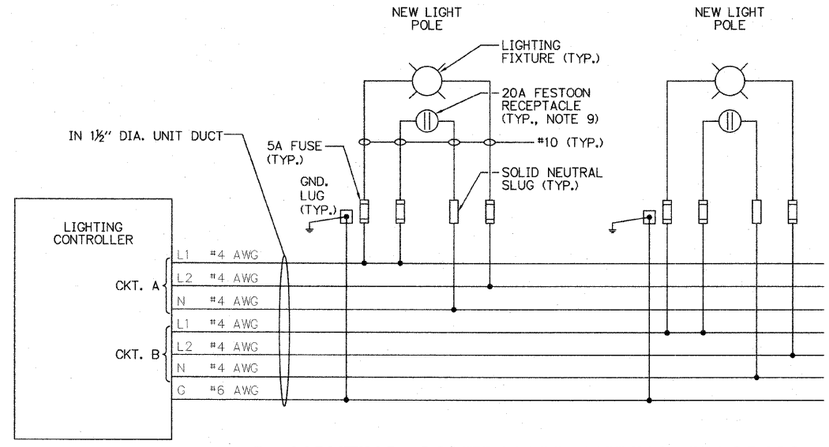
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	109
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 63083



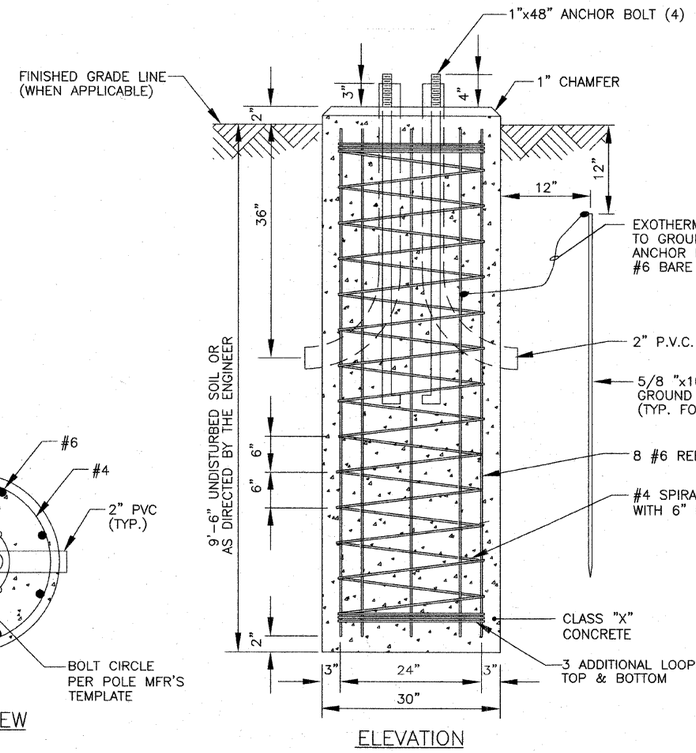
1 POLE BASE WIRING DIAGRAM
NOT TO SCALE — SEE NOTES 6 THROUGH 8



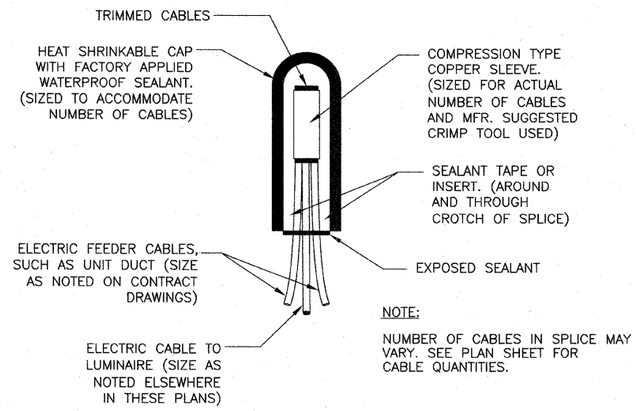
3 LIGHTING CONTROLLER WIRING DIAGRAM
NOT TO SCALE — SEE NOTES 6 AND 8

NOTES:

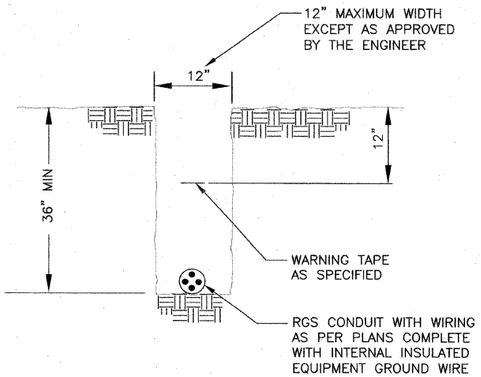
1. MINIMUM UNCONFINED COMPRESSIVE STRENGTH FOR COHESIVE SOILS Q_u = .8 TONS PER SQ. FT. MINIMUM STANDARD PENETRATION TEST VALUE FOR GRANULAR SOILS N = 10 BLOWS PER FOOT.
2. MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE 3500 PSI AT THE END OF 28 DAYS.
3. ALL REINFORCEMENT SHALL BE EPOXY COATED WITH A MINIMUM YIELD POINT OF 60000 PSI.
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. FUSES SHALL BE OF THE TIME DELAY TYPE (SEE SPECS.).
7. FOR AN END POLE, CAP AND SEAL THE UNUSED ELBOW.
8. CABLE/WIRE COLOR CODING:
   BLACK – L2 PHASE CONDUCTOR
   RED – L1 PHASE CONDUCTOR
   WHITE – NEUTRAL CONDUCTOR
   GREEN – GROUND CONDUCTOR
9. FESTOON RECEPTACLES ON ODD–NUMBERED LIGHT POLES SHALL BE ENERGIZED FROM THE L1 PHASE CONDUCTOR OF THE CIRCUIT, WHILE RECEPTACLES ON EVEN–NUMBERED LIGHT POLES SHALL BE ENERGIZED FROM THE L2 PHASE CONDUCTOR.



2 LIGHT POLE FOUNDATION DETAIL LIGHTING UNIT
NOT TO SCALE — SEE NOTES 1 THROUGH 5



4 TYPICAL SPLICE DETAIL
NOT TO SCALE



5 TYPICAL WIRING IN TRENCH DETAIL
NOT TO SCALE

RL-8

REVISIONS NAME	DATE

McDonough Associates Inc.
Engineers/Architects

ILLINOIS DEPARTMENT OF TRANSPORTATION
VILLAGE OF PALATINE
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)

MISCELLANEOUS LIGHTING DETAILS

SCALE: VERT.
HORIZ. N.T.S.
DATE OCTOBER 19, 2009
DRAWN BY RRA
CHECKED BY KMY