

GENERAL LIGHTING NOTES:

THE OWNER OF THE PROPOSED LIGHTING SYSTEM SHALL BE THE CITY OF DES PLAINES.

ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE, THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND ANY APPLICABLE LOCAL CODES. IF DISCREPANCIES EXIST THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER TO DETERMINE THE PROPER COURSE OF ACTION.

ALL PAY ITEMS REFER TO IDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE EXISTING TRAFFIC SIGNAL CABLES AND CONDUITS.

CONDUIT SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES.

CARE SHALL BE TAKEN NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, DETECTORS, AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUIT AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT AND/OR EQUIPMENT AT NO COST TO THE COUNTY, STATE, OR VILLAGE.

ALL PROPOSED LIGHT POLES SHALL SATISFY IDOT'S MINIMUM SETBACK REQUIREMENTS.

THE CONTRACTOR SHALL MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES AND CONTROLLERS FOR VERIFICATION AND APPROVAL BY THE ENGINEER, PRIOR TO STARTING WORK.

UNLESS OTHERWISE NOTED, ALL CONDUIT PROVIDED BY THIS CONTRACT SHALL BE 2" GALVANIZED STEEL CONDUIT CONFORMING TO SECTION 1088.01(a) OF IDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL A STORAGE LOCATION AND ALL PERTINENT SUBMITTALS HAVE BEEN APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS SHALL REMAIN WITH THE CONTRACTOR.

CONTRACTOR SHALL COORDINATE ALL SERVICE CONNECTIONS WITH THE LOCAL UTILITY COMPANY.

THE ELECTRICAL SUPPLY SHALL BE A PROPERLY GROUNDED AC SYSTEM.

ALL FOUNDATIONS SHALL BE EQUIPPED WITH A GROUNDING ROD, AS SPECIFIED.

GROUNTING CONNECTIONS AT THE FOUNDATIONS SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO FRAMING LIGHT POLE.

THE GROUNDING CONDUCTOR SHALL BE INSULATED.

THE GROUNDING CONDUCTOR SHALL EXTEND CONTINUOUSLY WITH ALL CIRCUIT CONDUCTORS, IN THE SAME RACEWAY, AND SHALL BE BONDED TO THE SYSTEM GROUND AT THE SERVICE DISCONNECT.

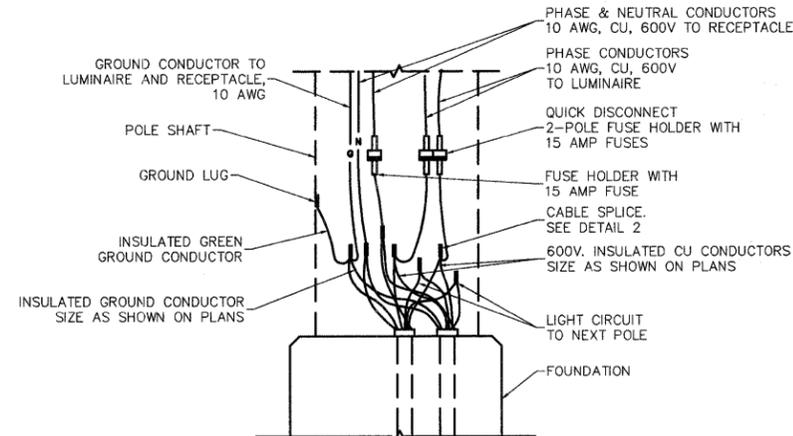
THE GROUNDING CONDUCTOR SHALL BE SPLICED AND BONDED AT EACH POLE.

ALL CONDUCTORS AND EQUIPMENT SHALL HAVE PROPER OVERCURRENT PROTECTION. OVERCURRENT PROTECTION SHALL BE PROVIDED FOR EACH LUMINAIRE AND ITS ASSOCIATED BRANCH CIRCUIT THROUGH THE USE OF POLE BASE FUSING, OR OTHER MEANS AS APPROVED BY THE ENGINEER.

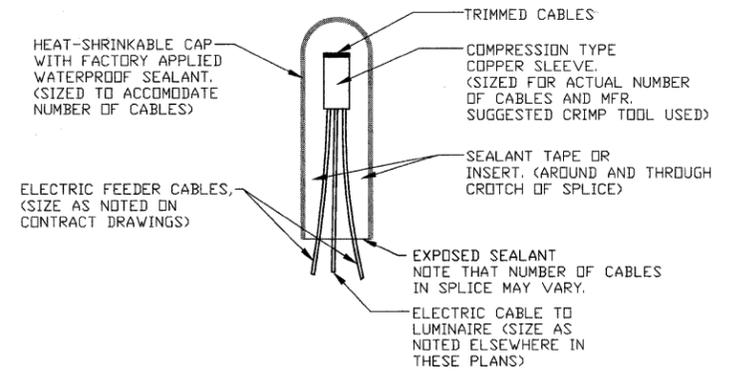
NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.

POLES WITH MAST ARMS SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES, AND THE PROPOSED LIGHT POLES WILL NOT BE CONSIDERED COMPLETE WITHOUT THE LUMINAIRES INSTALLED.

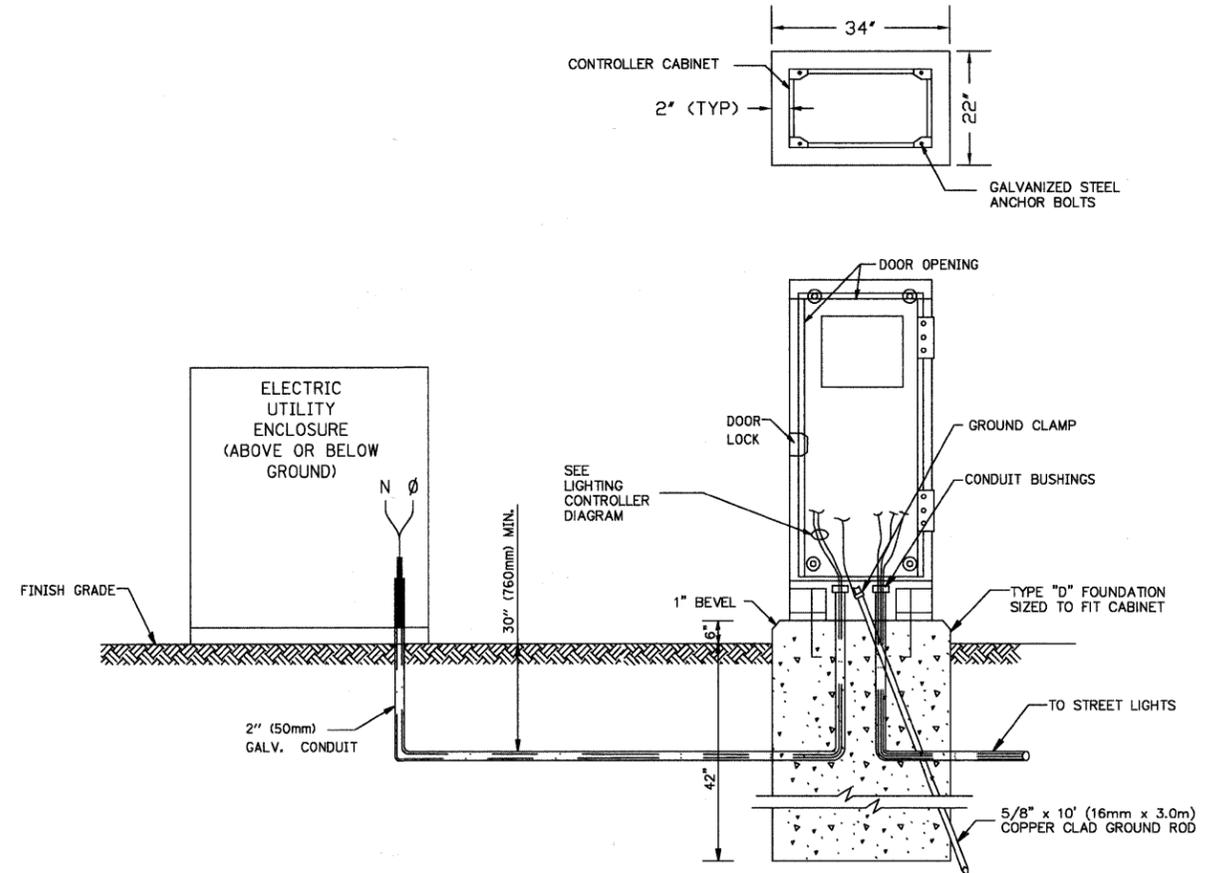
UPON COMPLETION OF THE PERMANENT LIGHTING SYSTEM, THE CONTRACTOR SHALL REQUEST IN WRITING A PREFINAL INSPECTION. A MINIMUM OF THREE DAYS NOTICE SHALL BE GIVEN TO THE CITY OF DES PLAINES. UPON COMPLETION OF INSPECTION AND APPROVAL OF WORK, THE CITY SHALL TAKE MAINTENANCE OF THE LIGHTING SYSTEM.



1 POLE BASE WIRING DIAGRAM
NO SCALE



2 BASIC MATERIALS AND METHODS
NO SCALE



3 SERVICE INSTALLATION - GROUND MOUNT
NO SCALE

NOTE:
A 48"x48"x4" PCC WORK PAD SHALL BE PROVIDED IN FRONT OF CONTROLLER CABINET UNLESS CABINET IS POSITIONED ADJACENT TO SIDEWALK.

FILE NAME = 3850-805-EL.dwg	USER NAME = ZACH WALLSTEN	DESIGNED - AJP	REVISED -
		DRAWN - JDJ	REVISED -
		CHECKED - BLS	REVISED -
		DATE - 8/18/2011	REVISED -

**CITY OF DES PLAINES
PROPOSED ROADWAY WIDENING AND
TRAFFIC SIGNAL INSTALLATION**

ELECTRICAL NOTES			
SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA. TO STA.

FAP RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	10-00213-00-CH	COOK	47	42
CONTRACT #:			63616	
ILLINOIS FED. AID PROJECT				

GHA #3850.805