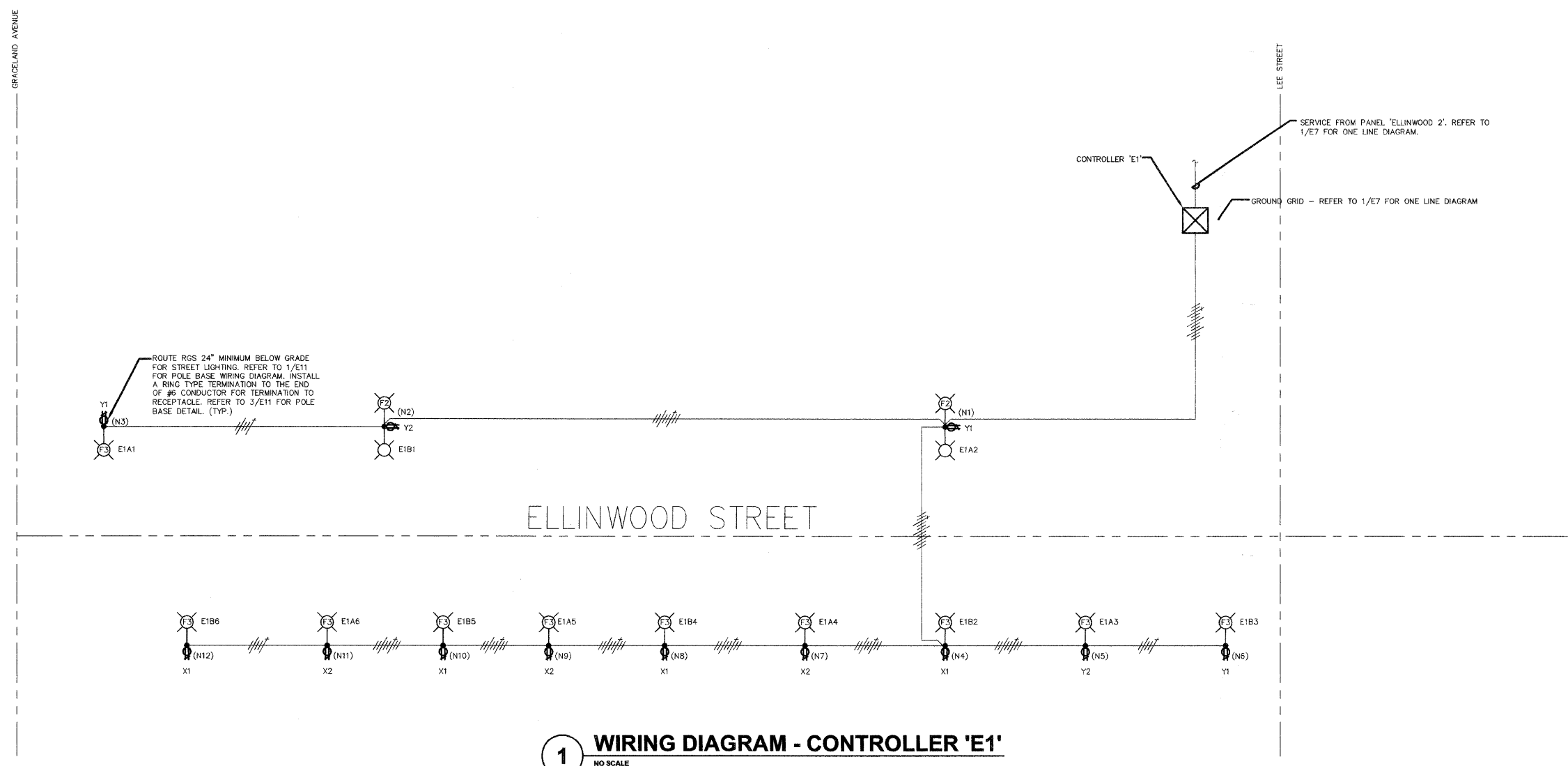


F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00199-00-LS	COOK	19	9
E3: WIRING DIAGRAM 'E1'				
ILLINOIS 63041				

GENERAL ELECTRICAL NOTES

- REFER TO SHEET E7 FOR ONE LINE DIAGRAM, PANEL SCHEDULE, CONTROL DIAGRAM, AND BILL OF MATERIALS.
- REFER TO SHEET E11 FOR LUMINAIRE SCHEDULE AND LIGHTING NOTES.



1 WIRING DIAGRAM - CONTROLLER 'E1'
NO SCALE

ELECTRICAL SYMBOL LEGEND

- REFER TO LUMINAIRE SCHEDULE ON SHEET E11 FOR FIXTURE TYPE
- POLE MOUNTED LUMINAIRE
- #6 AWG PHASE AND NEUTRAL & #8 GROUND 600V. (XLP-TYPE USE) IN 2" RIGID GALVANIZED STEEL CONDUIT
- GROUND
- NEUTRAL
- PHASE
- CIRCUITING DESIGNATION SCHEME
- 3 - DENOTES FIXTURE NO. ON GIVEN CIRCUIT
- A - DENOTES CIRCUIT LABEL
- E2 - DENOTES LIGHTING CONTROLLER
- (N1) CALCULATION NODE FOR VOLTAGE DROP
- REFER TO 2/E8 AND 2/E10 FOR LIGHTING CONTROL CABINET DETAILS.
- DUPLEX RECEPTACLE, WEATHERPROOF. REFER TO SHEET E11 FOR MATERIAL LIST. INSTALL ABOVE TOP BANNER ARM.
- 2- DENOTES 120 VOLT PHASE
- W- DENOTES 240 VOLT CIRCUIT AND NEUTRAL

LOAD TABULATION AND VOLTAGE DROP FOR LIGHTING CONTROLLER "E1"

CIRCUIT	VOLT AMPS	AMPS	HIGHEST VOLTAGE DROP ON CIRCUIT
A LTG	1670	7.0	0.5% (E1A6)
B LTG	1670	7.0	0.6% (E1B6)
X1 RECEPES	800	6.7	1.7% (E1B6)
X2 RECEPES	600	5.0	1.3% (E1A6)
Y1 RECEPES	600	6.0	0.7% (E1A1)
Y2 RECEPES	400	3.3	0.6% (E1B1)

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REFERENCE SCALE IN INCHES
0 1 2 3

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
E3: WIRING DIAGRAM 'E1'

DES PLAINES LIGHTING IMPROVEMENTS AND STREETSCAPE DES PLAINES, ILLINOIS

SCALE: NTS
DATE: 8-14-2009

DRAWN BY: JOP
DESIGNED BY: MCK
CHECKED BY: MCK