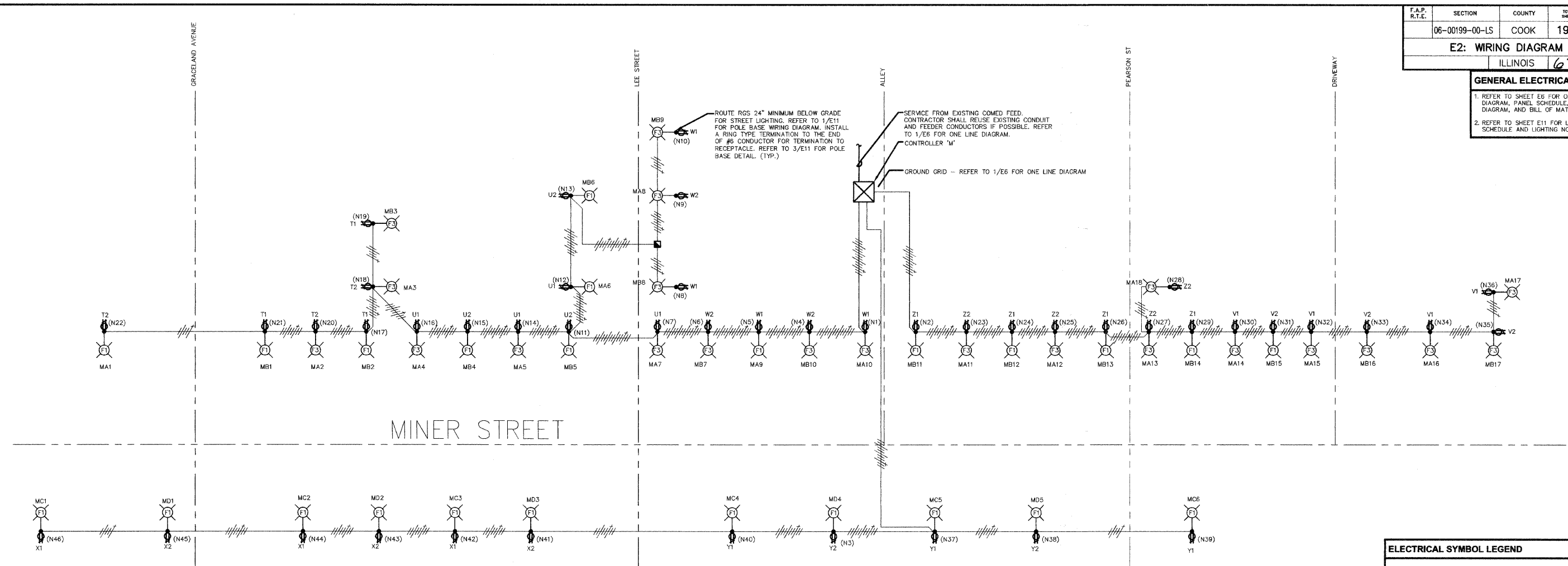


GENERAL ELECTRICAL NOTES

- REFER TO SHEET E6 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 'M'
NO SCALE

LOAD TABULATION AND VOLTAGE DROP FOR LIGHTING CONTROLLER "M"

CIRCUIT	VOLT AMPS	AMPS	HIGHEST VOLTAGE DROP ON CIRCUIT
A LTG	4180	17.4	2.5% (MA1)
B LTG	4570	19.0	2.7% (MB1)
C LTG	1860	7.8	2.2% (MC1)
D LTG	1550	6.5	1.9% (MD1)
W1 RECEPES	800	6.7	3.1% (MB9)
W2 RECEPES	600	5.0	2.0% (MA8)
X1 RECEPES	600	5.0	4.3% (MC1)
X2 RECEPES	600	5.0	3.8% (MD1)
Y1 RECEPES	600	5.0	2.6% (MC6)
Y2 RECEPES	400	3.3	1.6% (MD5)
Z1 RECEPES	800	6.7	2.3% (MB14)
Z2 RECEPES	800	6.7	2.6% (MA18)
V1 RECEPES	800	6.7	4.7% (MA17)
V2 RECEPES	600	5.0	3.6% (MB17)
T1 RECEPES	600	5.0	3.6% (MB1)
T2 RECEPES	600	5.0	3.9% (MA1)
U1 RECEPES	800	6.7	3.2 (MA4)
U2 RECEPES	600	5.0	2.9% (MB6)

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/E6 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

KJ ENGINEERING CONSULTANTS
1771 W. DIEHL ROAD, SUITE 300
NAPERVILLE, IL 60563
630.527.2320 FAX: 630.527.2321
www.kjw.com PROJECT #07.0610.00

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REFERENCE SCALE IN INCHES
0 1 2 3

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
830 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
E2: WIRING DIAGRAM 'M'

DES PLAINES LIGHTING IMPROVEMENTS AND STREETSCAPE
DES PLAINES, ILLINOIS

SCALE: NTS
DATE: 8-14-2009

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