

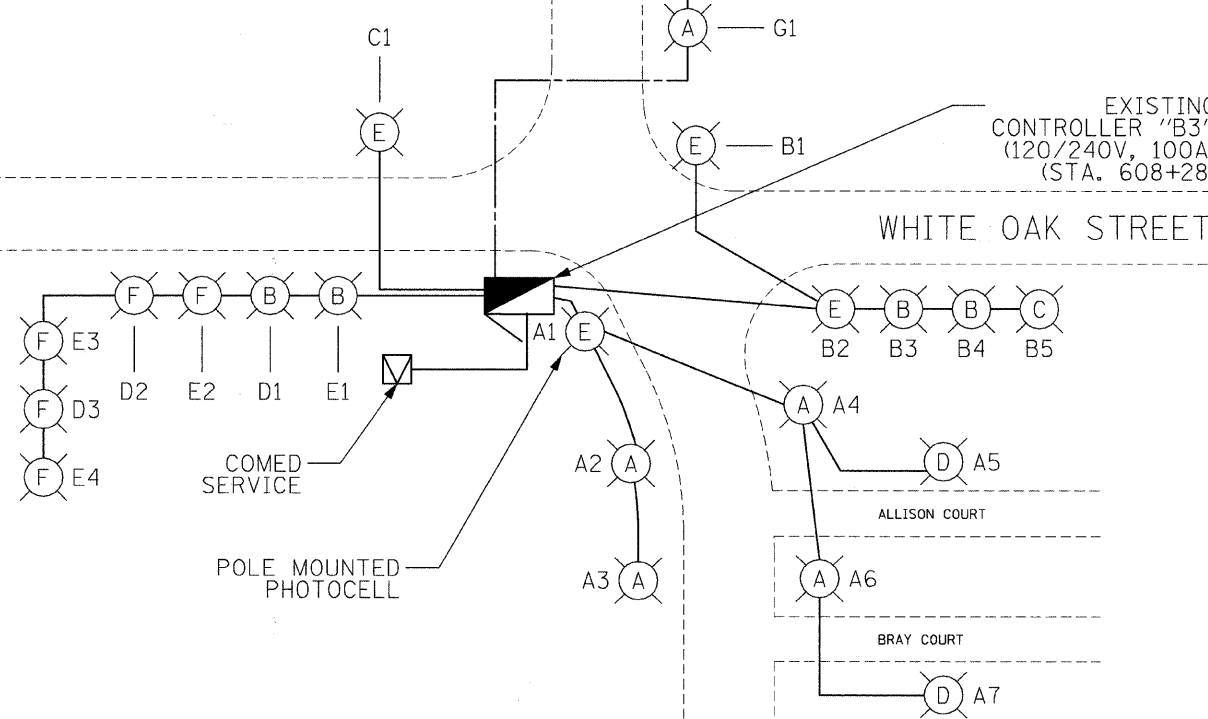
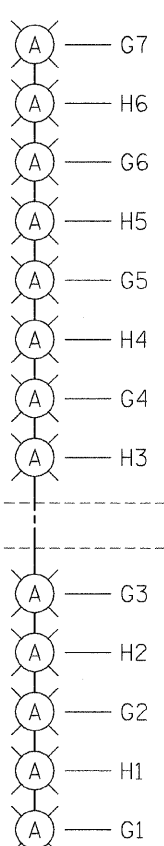
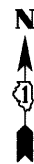
CENTRAL ROAD

WEBER DRIVE

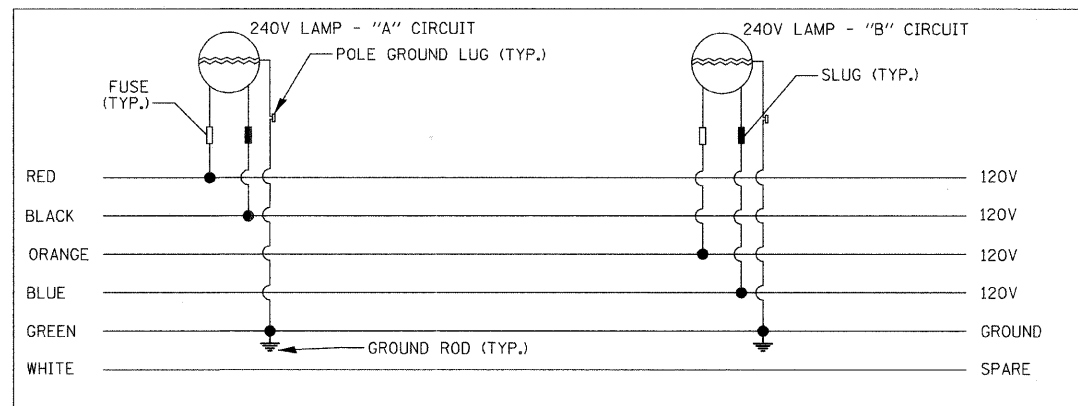
NEW WILKE ROAD

WHITE OAK STREET

GOLF COURSE ENTRANCE



TYPICAL POLE WIRING DIAGRAM



Ckt. #	Description	Phase A (Red) (watts)	Phase B (Black) (watts)
A	0-100W, 0-150W, 2-250W, 5-400W	3000	
B	0-100W, 2-150W, 1-250W, 2-400W		1620
C	0-100W, 0-150W, 0-250W, 1-400W	480	
D	2-100W, 1-150W, 0-250W, 0-400W		420
E	3-100W, 1-150W, 0-250W, 0-400W	540	
G	0-100W, 0-150W, 0-250W, 7-400W	3360	
H	0-100W, 0-150W, 0-250W, 6-400W		2880
Totals:		7380	4920

LEGEND

- LIGHT POLE, ALUMINUM, 47.5' M.H., 12' MAST ARM AND 400W HPS LUMINAIRE
- LIGHT POLE, ALUMINUM, 30' M.H., 15' MAST ARM AND 150W HPS LUMINAIRE
- LIGHT POLE, ALUMINUM, 30' M.H., 15' MAST ARM AND 250W HPS LUMINAIRE
- LIGHT POLE, CONCRETE, 30' M.H., 8' MAST ARM AND 250W HPS LUMINAIRE
- COMBO POLE, 47.5' M.H., 15' MAST ARM AND 400W HPS LUMINAIRE
- LIGHT POLE, 30' M.H., 15' MAST ARM AND 100W HPS LUMINAIRE
- LIGHTING CONTROLLER, 120/240V, 100A
- 5-1/2" NO. 2 AND 1/2" NO. 4 GROUND, 600V (EPR-TYPE RHW) IN CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC
- EXISTING CABLES, DIRECT BURIAL, UNKNOWN SIZE

FILE NAME = n:\p\p\design\3379\design\proposals\plan\3379-01\LineF_B3.dgn

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = jvandra	DESIGNED - RJR	REVISED -
PLOT SCALE = 200.0000' / IN.	DRAWN - RJR	REVISED -
PLOT DATE = 7/12/2010	CHECKED - JMV	REVISED -
	DATE - 6/16/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALGONQUIN ROAD LIGHTING IMPROVEMENTS
LIGHTING CONTROLLER "B3" ONE LINE DIAGRAM

SCALE: N.T.S. SHEET NO. 51 OF 64 SHEETS STA. TO STA.

F.A.P. RTE. 339	SECTION 09-00100-00-LT	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 51
CONTRACT NO. 63426				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				