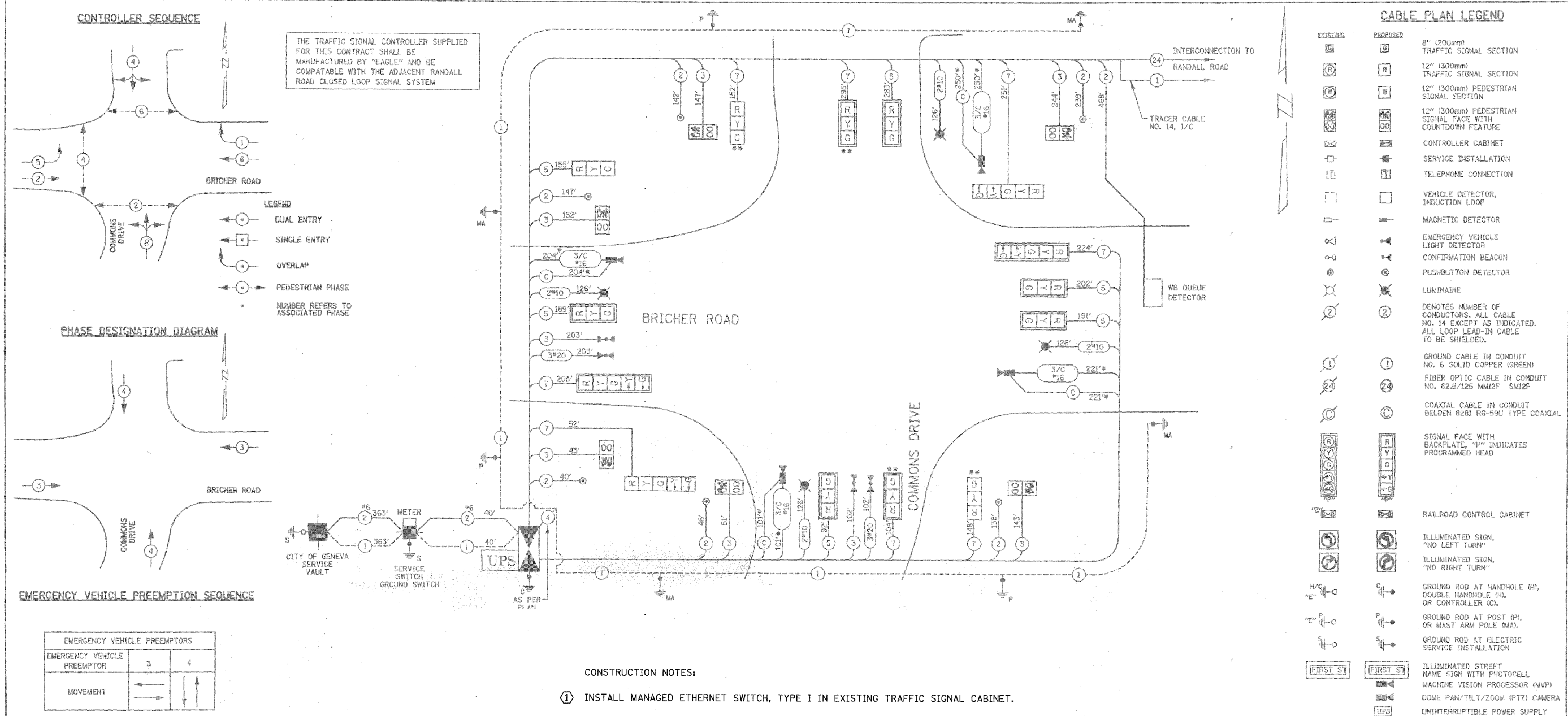


DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 CHECKED: _____ ALIGNED: _____
 NO. _____ DATE: _____ CADD FILE NAME: _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500
 DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 CHECKED: _____ ALIGNED: _____
 NO. _____ DATE: _____ CADD FILE NAME: _____



CONSTRUCTION NOTES:

1. INSTALL MANAGED ETHERNET SWITCH, TYPE I IN EXISTING TRAFFIC SIGNAL CABINET.

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
TERMINATE FIBER IN CABINET	EACH	6
ETHERNET MANAGED SWITCH, TYPE 1	EACH	1

Electric Load for Intersection

Intersection	Component Type	Number	Watts	VA	VA	VA	VA	VA	VA
Bricher Road	12" Red Circles LED	14	8	112	0.74	82.8			
	12" Yellow Circles LED	14	10	140	0.61	70.0			
	12" Green Circles LED	14	11	154	0.55	60.5			
Geneva Commons	12" Red Arrow LED	0	0.5	0	0.00	0.00			
	12" Yellow Arrow LED	4	9	58	0.03	1.39			
	12" Green Arrow LED	4	8.5	22	0.10	2.20			
YS Traffic Signal	Pedestrian LED	0	7	42	1.00	42.00			
	TS EYP Detection	2	4	8	1.00	8.00			
	TS Video Detection	4	20	100	1.00	100.00			
SL Street Light	TS UPS	1	50	60	1.00	60.00			
	TS Control Cabinet	1	100	100	1.00	100.00			
	Street Light	4				250	1000	12.00	12000.00
Total watt/hour						450.70			450.70
Energy costs to City of Geneva						10.93			10.93
City of Geneva Contract: Jennifer Hilsenrath at 630-232-1500									

FOUNDATION DEPTH

FOUNDATION DEPTH	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL CABLE	FT. (m)
TYPE A - POST	4' (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4' (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (J) POLE	20'4" (6.2)
E - M. ARM POLE		SIGNAL POST	2 (0.6)		86m± (0.6m±)
C30' MA 30" DIA.	10' (3.0)	CONTROLLER CAB.	1 (0.3)	BRACKET MOUNTED	13 (4.0)
C40' MA 30" DIA.	33'-0" (10.1)	FIBER OPTIC	13 (4.0)	SPEC. PUSHBUTTON	4 (1.2)
C50' MA 36" DIA.	31' (9.4)	ELECTRIC SERVICE	1 (0.3)	ELECTRIC SERVICE	13.5 (4.1)
C60' MA 36" DIA.	13' (4.0)	GROUND CABLE	1 (0.3)	SERVICE TO GROUND	13.5 (4.1)
C80' MA 36" DIA.	15' (4.6)			POST MOUNTED	6 (1.8)

REVISIONS

NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

CITY OF GENEVA
 1800 SOUTH STREET
 GENEVA, ILLINOIS 60134
 (630)232-1501

HAMPTON, LENZINI & RENWICK, INC.
 380 SHEPARD DRIVE - ELGIN, ILLINOIS 80123
 (847)897-8700 - www.hlrengineering.com
 CIVIL ENGINEERS • STRUCTURAL ENGINEERS • LAND SURVEYORS

DESIGNED - CJM PROJECT NO. - 08.0039
 DRAWN - SMS FILE - shh-to-cable
 CHECKED - JAS SCALE - NONE
 DATE - 5/1/08

BRICHER ROAD AT COMMONS DRIVE

TRAFFIC SIGNAL CABLE PLAN

31 12

TOTAL SHEETS SHEET NUMBER