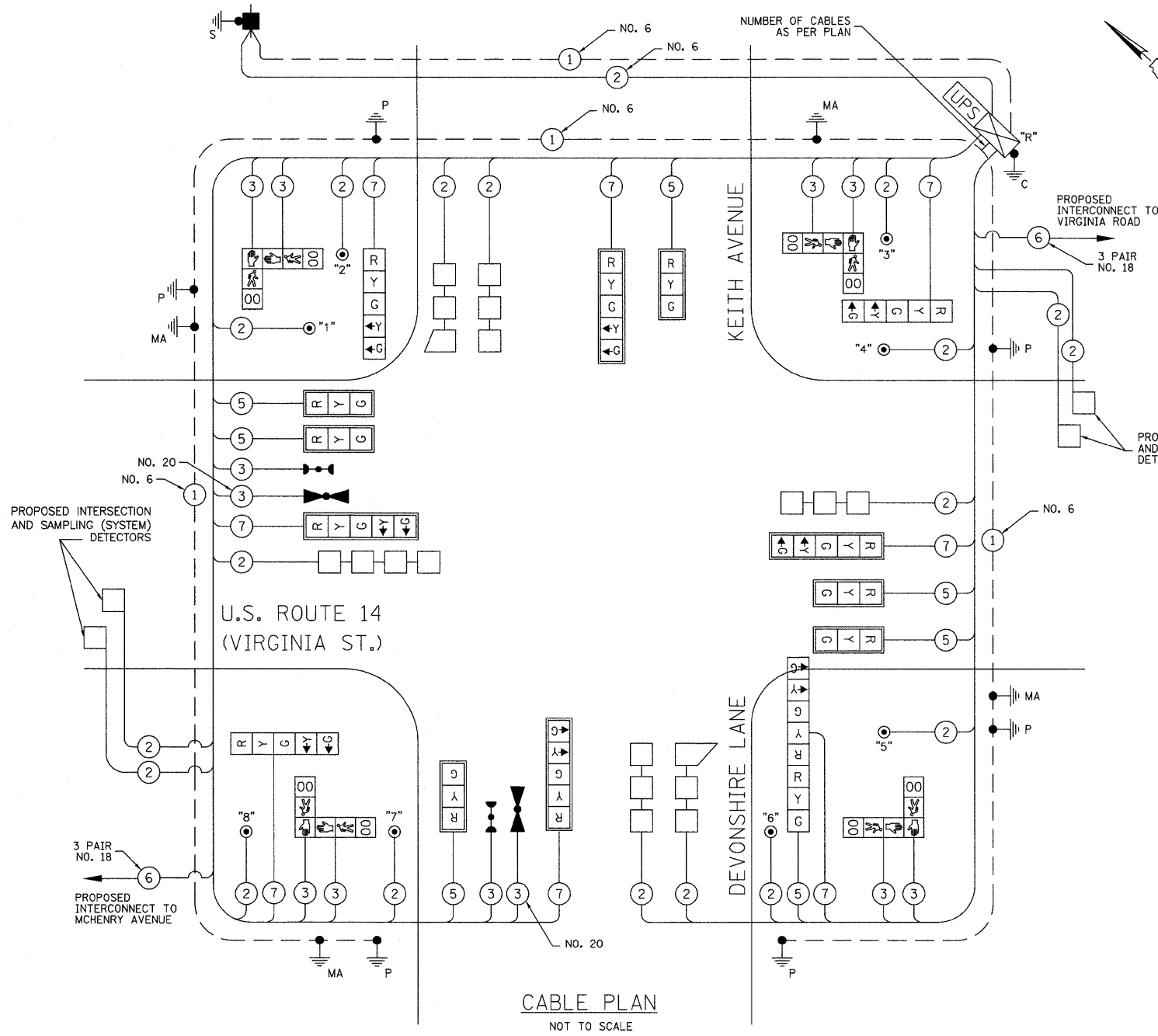


**CABLE PLAN LEGEND**

- EXISTING PROPOSED
- 8" (200mm) TRAFFIC SIGNAL SECTION
- 12" (300mm) TRAFFIC SIGNAL SECTION
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- 16"x18" PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER
- CONTROLLER CABINET
- SERVICE INSTALLATION
- TELEPHONE CONNECTION
- MAGNETIC DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PUSHBUTTON DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP
- MICROWAVE VEHICLE SENSOR
- SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
- RAILROAD CONTROL CABINET
- ILLUMINATED SIGN "NO LEFT TURN"
- ILLUMINATED SIGN "NO RIGHT TURN"
- GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
- GROUND ROD AT POST (P), OR MAST ARM POLE (MA)
- GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
- FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
- UNINTERRUPTIBLE POWER SUPPLY
- "R" EXISTING EQUIPMENT TO BE RELOCATED



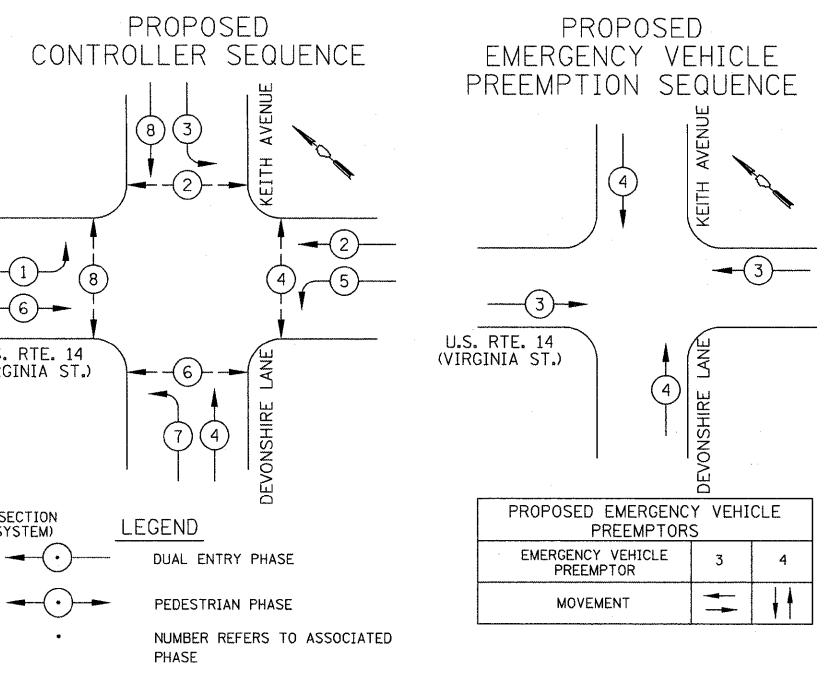
**CABLE PLAN**  
NOT TO SCALE

**ACCESSIBLE PEDESTRIAN SIGNALS**

PUSHBUTTON NUMBER	DIRECTION OF TRAVEL	PHASE	CROSSING	WALK INTERVAL MESSAGE	EXTENDED 3-SECOND DEPRESSED TIME MESSAGE
1	SOUTH	8	U.S. ROUTE 14	"WALK SIGN, U.S. ROUTE 14"	"WAIT TO CROSS U.S. ROUTE 14, TRAVELING SOUTH"
2	EAST	2	KEITH AVENUE	"WALK SIGN, KEITH AVENUE"	"WAIT TO CROSS KEITH AVENUE, TRAVELING EAST"
3	WEST	2	KEITH AVENUE	"WALK SIGN, KEITH AVENUE"	"WAIT TO CROSS KEITH AVENUE, TRAVELING WEST"
4	SOUTH	4	U.S. ROUTE 14	"WALK SIGN, U.S. ROUTE 14"	"WAIT TO CROSS U.S. ROUTE 14, TRAVELING SOUTH"
5	NORTH	4	U.S. ROUTE 14	"WALK SIGN, U.S. ROUTE 14"	"WAIT TO CROSS U.S. ROUTE 14, TRAVELING NORTH"
6	WEST	6	DEVONSHIRE LANE	"WALK SIGN, DEVONSHIRE LANE"	"WAIT TO CROSS DEVONSHIRE LANE, TRAVELING WEST"
7	EAST	6	DEVONSHIRE LANE	"WALK SIGN, DEVONSHIRE LANE"	"WAIT TO CROSS DEVONSHIRE LANE, TRAVELING EAST"
8	NORTH	8	U.S. ROUTE 14	"WALK SIGN, U.S. ROUTE 14"	"WAIT TO CROSS U.S. ROUTE 14, TRAVELING NORTH"

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (2.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'-H-2' = (6m+L-0.6m)
E - M. ARM POLE	10 (3.0)	SIGNAL POST	2 (0.6)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	15 (4.6)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



**PHASE DESIGNATION DIAGRAM**

**SCHEDULE OF QUANTITIES**

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	15		17	0.50	128
(YELLOW)	15		25	0.25	94
(GREEN)	15		15	0.25	56
ARROW	16		12	0.10	19
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
FLASHER				0.50	
TOTAL =					597

ENERGY COSTS TO: CITY OF CRYSTAL LAKE  
100 WEST MUNICIPAL COMPLEX, P.O. BOX 597  
CRYSTAL LAKE, IL 60039  
CONTACT: LISA COOK  
PHONE: (815) 477-5204  
COMPANY: COM ED

ENERGY SUPPLY: