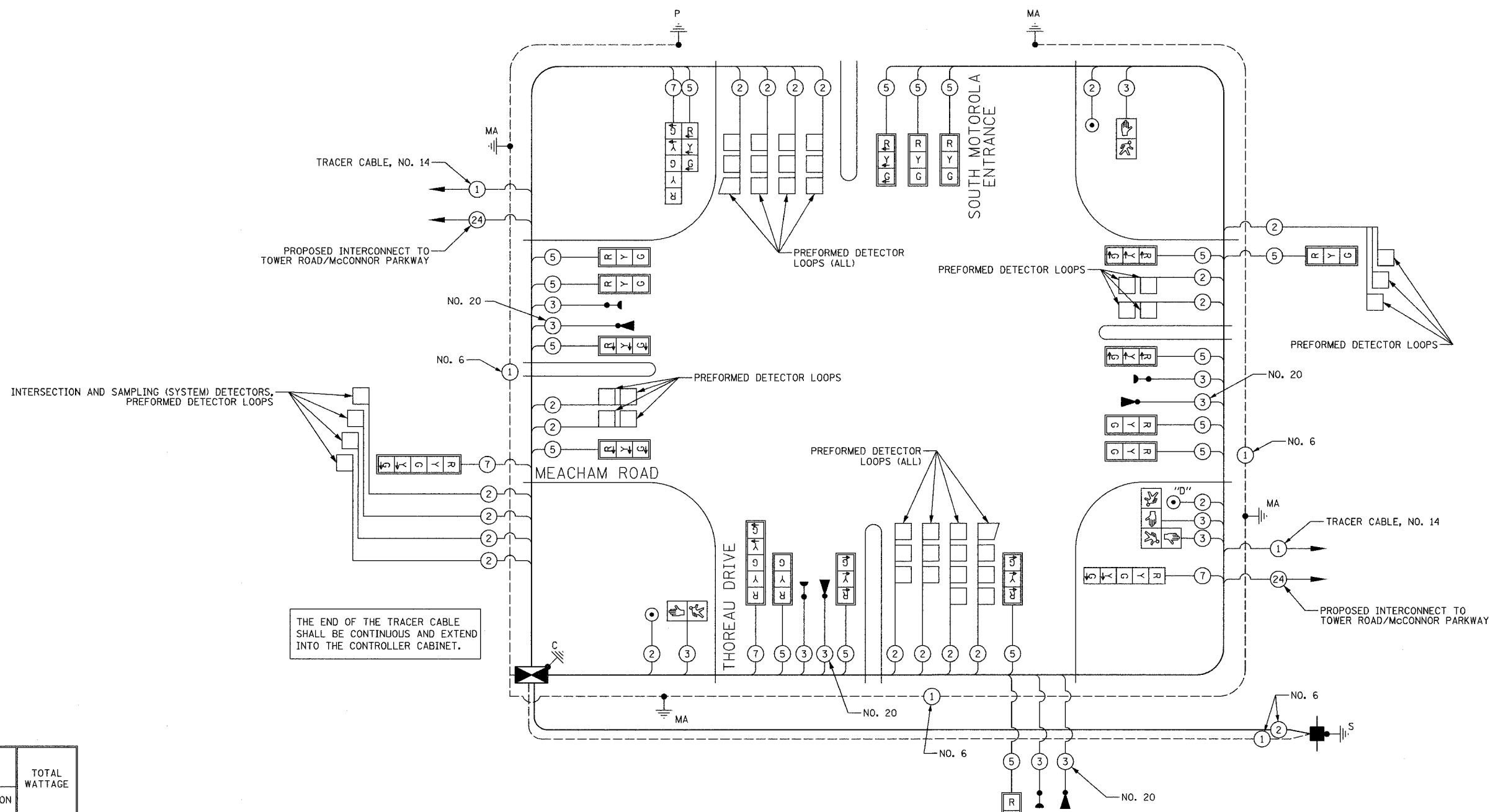


### CABLE PLAN LEGEND

- EXISTING**    **PROPOSED**
- 8" (200mm) TRAFFIC SIGNAL SECTION
  - 12" (300mm) TRAFFIC SIGNAL SECTION
  - 12" (300mm) PEDESTRIAN SIGNAL SECTION
  - 12" (300mm) PEDESTRIAN SIGNAL SECTION
  - CONTROLLER CABINET
  - SERVICE INSTALLATION
  - TELEPHONE CONNECTION
  - MAGNETIC DETECTOR
  - EMERGENCY VEHICLE LIGHT DETECTOR
  - CONFIRMATION BEACON
  - PUSHBUTTON DETECTOR
  - VEHICLE DETECTOR, INDUCTION LOOP
  - DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
  - 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-MM24F SM12F



**CABLE PLAN**  
NOT TO SCALE

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

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	21		17	0.50	179
(YELLOW)	13		25	0.25	81
(GREEN)	13		15	0.25	49
ARROW	24		12	0.10	29
PED SIGNAL	4		25	1.00	100
CONTROLLER	1		100	1.00	100
FLASHER				0.50	
TOTAL =					538

ENERGY COSTS TO: VILLAGE OF SCHAUMBURG  
101 SCHAUMBURG COURT  
SCHAUMBURG, IL 60197-1899

ENERGY SUPPLY: CONTACT: SAM THOMAS  
PHONE: 630-891-7118  
COMPANY: COM ED

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'+L-2'= 6m+L-0.6m)=
E- M. ARM POLE	2 (1.0)	SIGNAL POST	2 (1.0)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	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)
		ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

NOTE:  
PUSHBUTTON "D" SHALL PLACE A CALL TO PHASES 8 & 2

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**CABLE PLAN**

MEACHAM ROAD &  
THOREAU DRIVE / SOUTH MOTOROLA DRIVEWAY

NOT TO SCALE      DESIGNED BY JJE  
DATE 12/20/04      CHECKED BY KMM