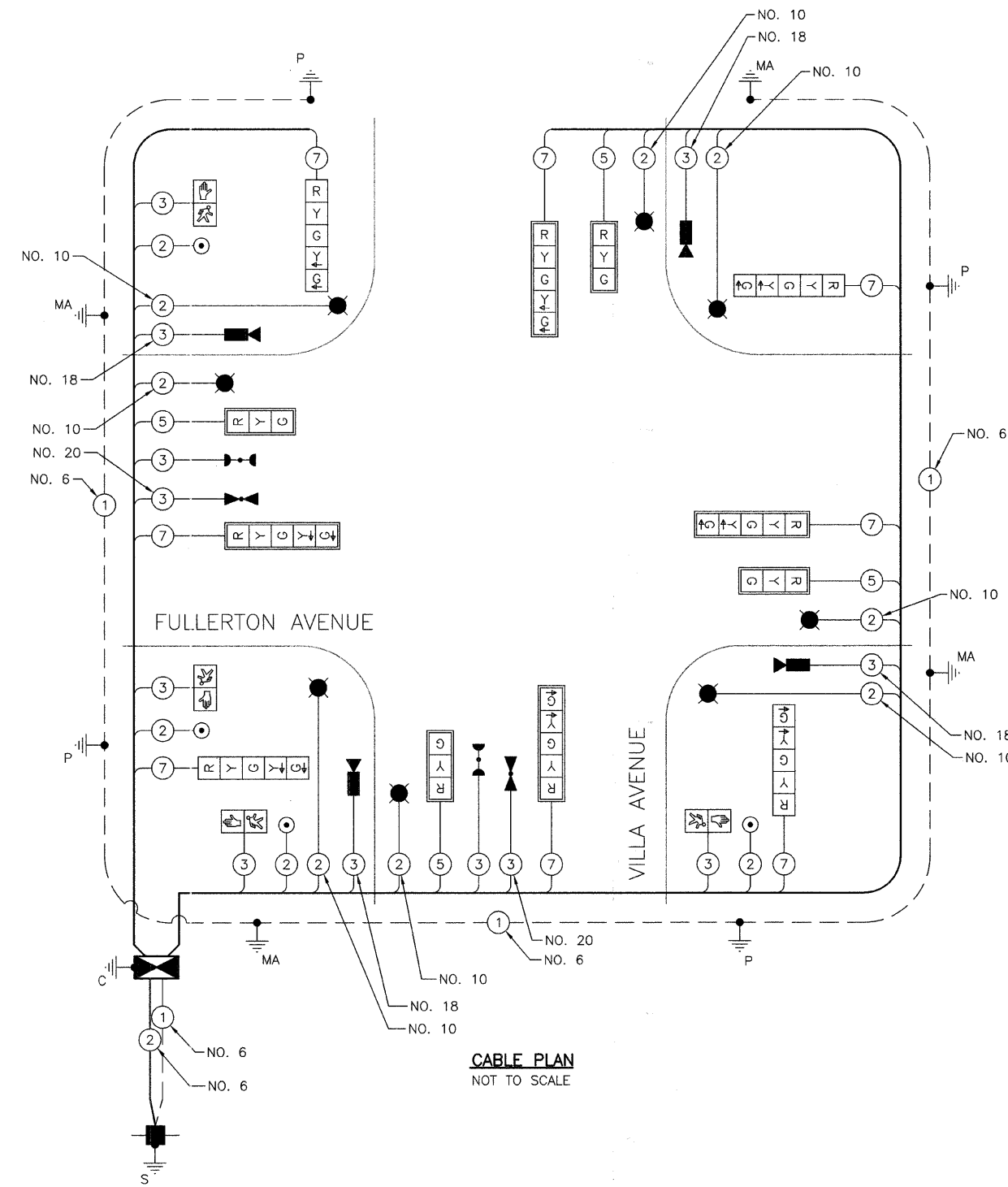


FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1380	00-00084-00-PV	DUPAGE	93	42
STA.	TO STA.		SURFACE TRANSPORTATION FUNDING	

CONTRACT NUMBER 83993

CABLE PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
		8" (200mm) TRAFFIC SIGNAL SECTION
		12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER
		CONTROLLER CABINET
		SERVICE INSTALLATION
		TELEPHONE CONNECTION
		VEHICLE DETECTOR, INDUCTION LOOP
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
		DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
		FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
		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
		VIDEO DETECTION CAMERA
		LUMINAIRE



CABLE PLAN
NOT TO SCALE

DUPAGE COUNTY DIVISION OF TRANSPORTATION TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12		10	60	72
(YELLOW)	12		22	3	8
(GREEN)	12		12	37	53
YELLOW ARROW	8		10	2	2
GREEN ARROW	8		5	13	5
PED. WALK	4		5	5	1
PED. DON'T WALK	4		6	95	23
CONTROLLER	1	100		100	100
DET. CAMERA	4		25	100	100
LUMINAIRE	8		310	50	1240
FLASHER					
TOTAL =					1604

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 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20+L-2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)	(6m+L-0.6m)=	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

ENERGY COSTS TO: DUPAGE COUNTY DIVISION OF TRANSPORTATION
421 NORTH COUNTY FARM ROAD
WHEATON, ILLINOIS 60187

ENERGY SUPPLY: CONTACT: CURTIS TOPPS
PHONE: (630) 691-4356
COMPANY: COMMONWEALTH EDISON

REVISIONS	
NAME	DATE

VILLAGE OF ADDISON

CABLE PLAN

FULLERTON AVENUE & VILLA AVENUE

SCALE: NOT TO SCALE

DATE: 11/26/2007
DESIGNED BY: BRD
TECHNICIAN: BRD
CHECKED BY: JJE