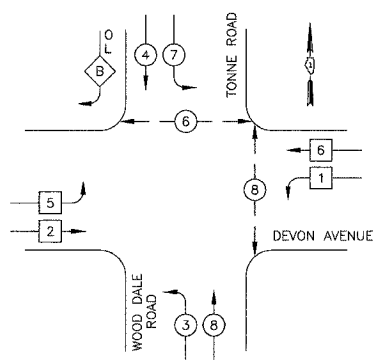
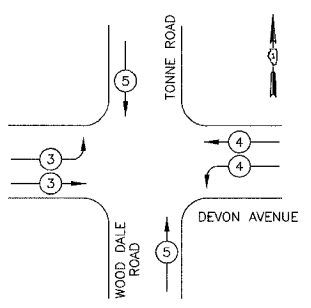


FBI REC.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346	*	COOK/DUPAGE	84	51
TRAFFIC SIGNAL CABLE PLAN				
ELK GROVE VILLAGE SECTION 99-00041-00-CH				
CONTRACT NO. B3766				

CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



- LEGEND**
- DUAL ENTRY PHASE
 - SINGLE ENTRY PHASE
 - OVERLAP
 - PEDESTRIAN MOVEMENT
 - NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

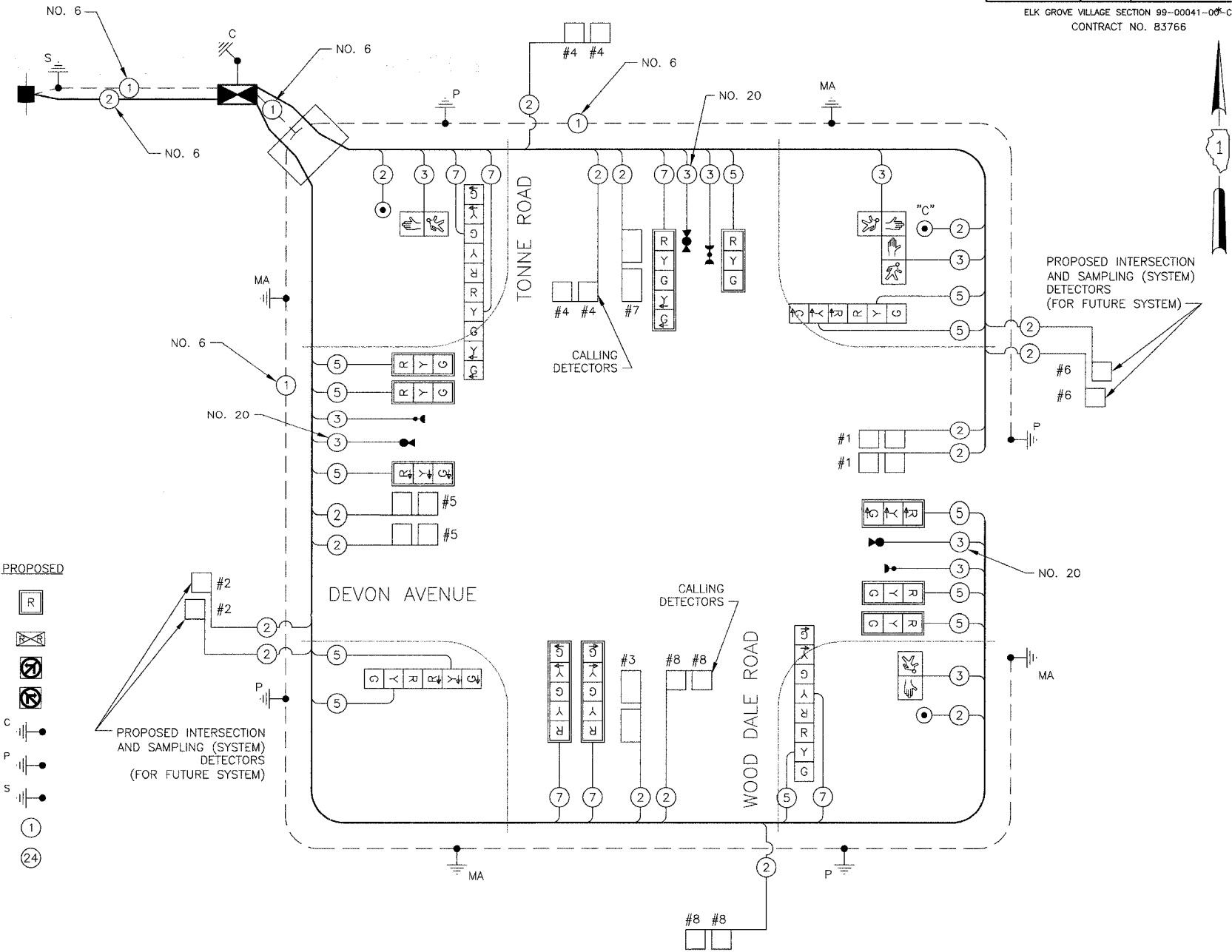
RIGHT TURN OVERLAP PHASE DESIGNATION		
OVERLAP	PERMISSIVE	PROTECTED
LETTER	PHASE	PHASE
B	=	4 + 5

PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

CABLE PLAN LEGEND

EXISTING	PROPOSED	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
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 ELECTRICAL SERVICE INSTALLATION	GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 2-MM12F SM12F			



CABLE PLAN
NOT TO SCALE

NOTE:
PUSHBUTTON C SHALL PLACE A CALL TO PHASES 6 & 8

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" BRAND TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18		17	0.50	153
(YELLOW)	18		25	0.25	113
(GREEN)	18		15	0.25	68
ARROW	12		12	0.10	14
PED. SIGNAL	4		25	1.00	100
CONTROLLER	1	100		1.00	100
TOTAL =					548

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
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		SIGNAL POST	2 (1.0)		
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: VILLAGE OF ELK GROVE VILLAGE
901 WELLINGTON AVENUE
ELK GROVE VILLAGE, IL 60007

ENERGY SUPPLY: CONTACT: JUDITH SCHOMER
PHONE: (847) 816-5472
COMPANY: COMMONWEALTH EDISON CO.

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL CABLE PLAN AND SEQUENCE OF OPERATIONS
DEVON AVENUE @ TONNE ROAD/WOOD DALE ROAD

SCALE: NONE
DATE: 12/30/04

DRAWN BY: BRD
DESIGNED BY: BRD
CHECKED BY: KMM