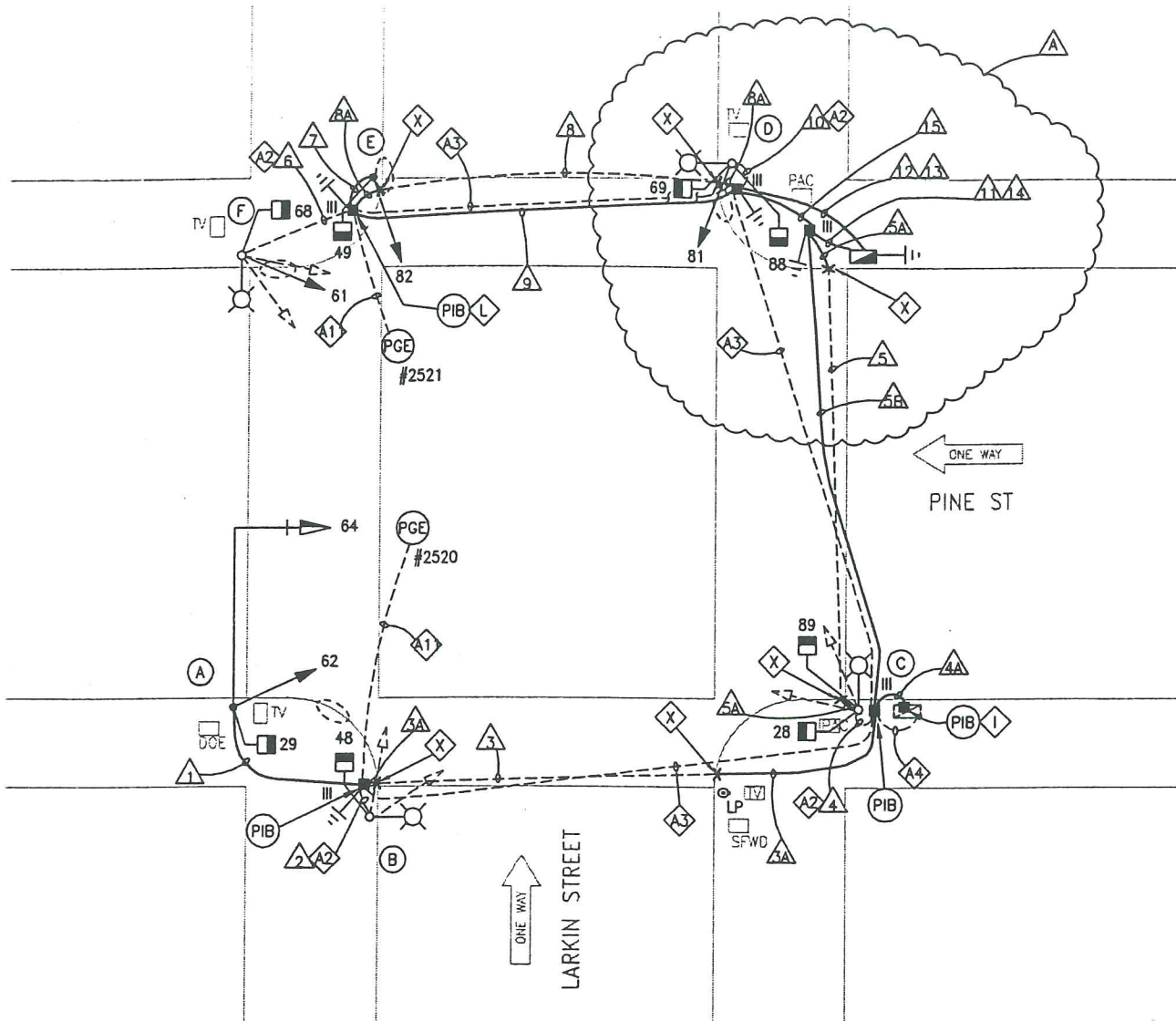
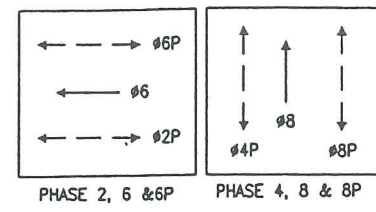


SWITCHED OVER ON 3/5/2002 3-COLOR 11/2 -B5V



PHASE DIAGRAM



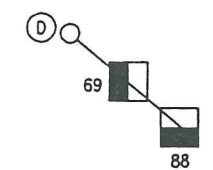
PHASE SEQUENCE

G		Y		R	
R		G		Y	
WM	FRH	RH			
RH		WM	FRH		

PINE
LARKIN
PEDS XING LARKIN
PEDS XING PINE

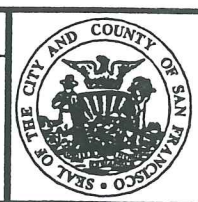
DETAIL NOTES:

- A2 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL WIRING TO REMAIN. F/I NEW WIRING AS NOTED.
- A3 EX CONDUIT AND WIRING. R/C EX TS WIRING. EX SL WIRING TO REMAIN.
- A4 EX CONDUIT AND WIRING. R/C EX WIRING AND CONDUIT. REPAIR SIDEWALK TO MATCH EX.
- A1 EX CONDUIT AND WIRING FOR STREET LIGHT OR IC SERVICE TO REMAIN.
- L F/I IN-LINE FUSE HOLDER WITH 40A FUSE FOR IC SERVICE. SPLICE NEW WIRES TO EX PG&E SERVICE TO SUPPORT NEW IC. F/I GROUND ROD.
- X EX 2 1/2" GRSC TERMINATED AND CAPPED 1 FT INSIDE EACH CURB. THE LOCATION OF THE EX CONDUIT IS MARKED WITH A "T" AT THE CURB. F/I 2 1/2" CONDUIT TO EXTEND THE EX CONDUIT TO NEW PULL BOX LOCATIONS AS SHOWN ON THIS DWGS.
- I EXTEND 12/C INTERCONNECT TO NEW LOCATION. SPLICE TO EX 12/C TO MAINTAIN INTERCONNECT SYSTEM.

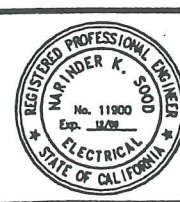


SIGNAL MOUNTING DETAIL
(SP-2-T-SFA) FOR POLE "D"
(NO SCALE)

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE:	BD/EF 7/2000	APPROVED	
DRAWN: DATE:	MJ/RT 7/2000	SECTION MANAGER	DATE:
CHECKED: DATE:	NKS 7/2000	DIVISION MANAGER	DATE:
		CITY ENGINEER	DATE:

SCALE:
1"=10'
SHEET OF SHEETS
22 OF 62

**PINE STREET
TRAFFIC SIGNAL UPGRADE**

LARKIN AND PINE STREETS

SPECIFICATION NO.	1986N
DRAWING NO.	E-21
FILE NO.	74462
REV. NO.	XX



EXTERNAL REFERENCES: T-34422.dwg
FONTS USED: ROMANS ROMANS.ans
SCALE FACTOR: 120
PLOT SCALE: 1"=1'
ORIGIN: ELECTRICAL
FILE NAME: E-21.dwg
DATE: May 22 2001 16:07

CONDUIT AND WIRING SCHEDULE																			
CONDUIT RUN NUMBER	1	2	3	4A	4A	4	5A	5	6A	6	7	8A	8	9	10	11	12	13	14
CONDUIT SIZE (MM)	2	EX	EX	2 1/2	2	EX	2 1/2	EX	2	EX	2	EX	2 1/2	1 1/2	EX	3	3	2	2
NOTES		A2				A2									A2	PVC 80	PVC 80	PVC 80	PVC 80
WIRING (F/I)	#14 WIRES																		
	SIGNAL 62	3		3	3			3	3							3			
	SIGNAL 64	3		3	3			3	3							3			
	SIGNAL 29	2		2	2			2	2							2			
	SIGNAL 48		2	2	2				2	2						2			
	SIGNAL 28						2	2	2							2			
	SIGNAL 89						2	2	2							2			
	SIGNAL 61									3		3	3				3		
	SIGNAL 68								2		2	2				2			
	SIGNAL 82										3	3	3			3			
	SIGNAL 88														2	2			
	SIGNAL 81														3	3			
	SIGNAL 69														2	2			
	SIGNAL																		
	SIGNAL																		
	SIGNAL																		
	SIGNAL																		
	SIGNAL																		
	SIGNAL																		
	SIGNAL																		
SPARE																			
#14 WIRES NEUTRAL	3	1	3	3			2	3	3			3	3			3	3		
TOTAL #14 WIRES	11	3	13	13		6	17	17		7	4	11	11		9	17	18		
#10 WIRES NEUTRAL			1	1			2	2				1	1			2	2		
#8 WIRES (120V SERVICE)														2				2	
#8 WIRES (STREET LIGHT)																			
DETECTOR LEAD-IN CABLE																			
12C CABLE					2				2									2	
1/4" PULL CABLE			1	1			1	1				1	1			1	1		1
#6 BSCW														1				1	

POLE AND EQUIPMENT SCHEDULE									
POLES		LUMINAIRE (HPS)	VEHICULAR SIGNALS			PEDESTRIAN SIGNALS			REMARKS
POLE ID	TYPE	VOLTAGE/WATTS	NO	TYPE	MOUNTING (F/I)	NO	TYPE	MOUNTING (F/I)	
A	16-1-70 20' MASTARM		64 62	3S12" 3S8"	MAS SV-1-T	29	1S-IN	SP-1	BACKPLATE
B	EX SL					48	1S-IN	SP-1	
C	EX SL					28 89	1S-IN 1S-IN	SP-1 SP-1	
D	EX SL		81	3S8"	SV-1-T	69 88	1S-IN 1S-IN	SP-2-T-SFA	
E	1-A (10')		82	3S8"	TV-1	49	1S-IN	SP-1	
F	EX SL		61	3S8"	SV-1-T	68	1S-IN	SP-1	

DETAIL NOTES:

- A1 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL WIRING TO REMAIN.
F/I NEW WIRING AS NOTED.
- V1 LED RED, INCANDESCENT YELLOW, AND LED GREEN
- V3 LED RED, LED YELLOW, AND LED GREEN

5/22/01 PCD #1 MSF & HOMERUN		SL	SL
NO.	DATE	DESCRIPTION	BY APP.
TABLE OF REVISIONS			
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION			
REFERENCE INFORMATION & FILE NO. OF SURVEYS			
		BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO	
		DESIGNED: DATE: 7/2000 BD/EF DRAWN: DATE: 7/2000 MJ/RT CHECKED: DATE: 7/2000 NKS	
APPROVED		SECTION MANAGER DATE: DIVISION MANAGER DATE: CITY ENGINEER DATE:	
SCALE:		NONE SHEET OF SHEETS 23 OF 62	
PINE STREET TRAFFIC SIGNAL UPGRADE		SPECIFICATION NO. 1986N DRAWING NO. E-22 FILE NO. 74463 REV. NO.	
LARKIN AND PINE STREETS SCHEDULE			

EXTERNAL REFERENCES: T33422.dwg
FONTS USED: ROMAND ROMANS.ahx ROMANS.shx ROMANT SIMPLEX.ahx
SCALE FACTOR: 120
PLOT SCALE: 1"=1'
ORIGIN: ELECTRICAL
FILE NAME: E-22.dwg
DATE: May 22 2001 16:12