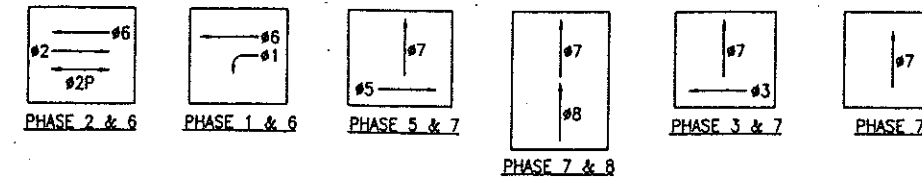


BROTHERHOOD WAY

TO NEXT SL PULL BOX

STEADY DEMAND PHASE DIAGRAM:

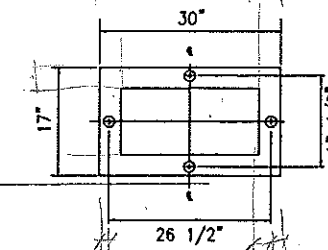


STEADY DEMAND PHASE SEQUENCE:

G	Y	R	BROTHERHOOD WAY WEST BOUND
G	Y	R	BROTHERHOOD WAY EAST BOUND
RLA	GLA	YLA	BROTHERHOOD WAY WEST BOUND LEFT TURN ARROW
OFF		RRA	BROTHERHOOD WAY EAST BOUND RIGHT TURN ARROW
R	G	Y	FRONTAGE ROAD WEST BOUND #5
R	G	Y	FRONTAGE ROAD NORTH BOUND #8
R	G	Y	FRONTAGE ROAD WEST BOUND #3
R	G	Y	NORTH BOUND FAR SIDE #7
WM	FRH	RH	PED XING #2P

DETAIL NOTES:

- AA R/C EX WIRING AND CONDUIT. REPAIR SIDEWALK TO MATCH EX.
- B SPLICE NEW WIRING TO EX SL WIRING TO MAINTAIN SL CIRCUIT.
- PI IT IS THE DESIGN ENGINEER'S ASSUMPTION THAT PGE SERVICE POINT IS LOCATED AT THOMAS MORE WAY. IF THIS IS THE CASE, THE CONTRACTOR SHALL F/I TWO #6 WIRE IN EXISTING SL CONDUIT. APPROXIMATE DISTANCE IS 1000 FEET. IF THE SERVICE POINT IS CLOSER THAN EXPECTED, THE CONTRACTOR SHALL F/I A 1.5" CONDUIT WITH TWO #8 WIRES FROM THE IC TO THE PGE SERVICE PULL BOX. PLEASE SEE DELETABLE BID ITEMS.



"M" CABINET FOUNDATION BOLT PATTERN DETAIL

DETAIL
SCALE: NONE



0 11/99 ISSUED FOR BID NO. DATE DESCRIPTION BC HLK BY APP.		REFERENCE INFORMATION & FILE NO. OF SURVEYS		BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO		DESIGNED: DATE: 11/99 BC 11/99 DRAWN: DATE: 11/99 BC 11/99 CHECKED: DATE: 11/99 HLK 11/99		APPROVED: DATE: 11/99 SECTION MANAGER: DATE: 11/99 DIVISION MANAGER: DATE: 11/99 CITY ENGINEER: DATE: 11/99		SCALE: 1" = 10' SHEET OF SHEETS: 19 OF 20		SPECIFICATION NO. 1729N DRAWING NO. E-4 FILE NO. 70.643.4 REV. NO. 0	
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION													

EXTERNAL REFERENCES: TB4X22
 FONT: USED
 SCALE FACTOR: 1=1
 PLOT SCALE: 1=1
 ORIGIN: ELECTRICAL
 FILE NAME: E-4.DWG
 DATE:

CONDUIT AND WIRING SCHEDULE																											
CONDUIT RUN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
CONDUIT SIZE (INCH)	2	2	EX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.5
NOTES																											
#14 WIRES																											
SIGNAL 61	3	3		3		3			3														3				
SIGNAL 64	3	3		3		3			3														3				
SIGNAL 72			3	3		3			3														3				
SIGNAL 65					2	2																	2				
SIGNAL 71					3	3																	3				
SIGNAL 16							3	3															3				
SIGNAL 11									3	3														3			
SIGNAL 26									3	3														3			
SIGNAL 32											3	3												3			
SIGNAL 29													2	2										2			
SIGNAL 31													3	3										3			
SIGNAL 82													3	3										3			
SIGNAL 51															3	3									3		
SIGNAL 28																				2					2		
SIGNAL 52																								3			
SIGNAL 81																								3			
SIGNAL 84																								3			
SIGNAL 21																									4		
SIGNAL 24																									3		
PPB																									2		
PPB																									2		
SPARE						3			3		3									3							
TOTAL #14 WIRES	6	6	3	9	5	17		3	20	6	9		3	6	10	20		3	6	13	7		17	19	23		
#10 WIRES NEUTRAL			1	1	2				2		1			1		2			1		3	2		2	2	2	
#14 WIRES NEUTRAL	2			2				1		1			1		2												
#8 WIRES, IC SERVICE																											
#8 WIRES, SL																											
#10 WIRES, SL																											
12/C INTERCONNECT																											
1/4" PULL ROPE					1			1		1			1		1			1									
#6 BSCW																											1
DETECTOR LOOP WIRE (DLW)						8					2						2					2					
DETECTOR LEAD-IN CABLE (DLC)									1				1					1					1	1	2		

POLE AND EQUIPMENT SCHEDULE									
POLE No.	TYPE OF POLE	LUMINAIRE (HPS)	VEHICLE SIGNAL			PEDESTRIAN SIGNAL			REMARKS
		VOLTAGE/WATTS	No.	TYPE	MOUNTING (F/I)	No.	TYPE	MOUNTING (F/I)	
①	1-A (13')		65 71	3S8" PV3S12"	SV-1 TV-1-T				MOUNT AT 10' MOUNT AT 13'
②	1-A (10')		16	3S12"LA	SV-1				MOUNT AT 4'6"
③	16-1-70 WITH 20' MAST ARM		24 21	3S12" 4S12"RRA	MAS SV-1-T				WITH BACKPLATE
④	17-1-70 WITH 8' MAST AND 6' LUMINAIRE ARMS	150/240 W	84 52 81	3S12" 3S8" 3S8"	MAS SV-2-T	28	1S-IN	SP-1	WITH BACKPLATE WITH PPB
⑤	1-A (10')		51	3S8"	TV-1				
⑥	1-A (10')		32	3S8"	TV-1				
⑦	1-A (10')		31 82	3S8" 3S8"	TV-2-T	29	1S-IN	SP-1	WITH PPB
⑧	1-A (10')		11 26	3S12"LA 3S12"	TV-2-T				
⑨	16-1-70 WITH 20' MAST ARM		64 61	3S12" 3S8"	MAS SV-1-T				WITH BACKPLATE
⑩	EXISTING STREET LIGHT		72	PV3S12"	SV-1-T				MOUNT AT 13'

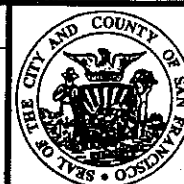
DETAIL NOTE:

W F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE(S) AND FUSE HOLDER(S) PER SPOPSWF #49,092.

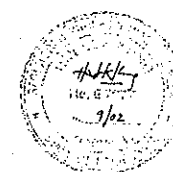


NO.	DATE	DESCRIPTION	BY	APP.
0	11/99	ISSUED FOR BID	BC	HLK
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



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



DESIGNED: DATE: 10/99	APPROVED: 11/16/99
DRAWN: DATE: 10/99	SECTION MANAGER: 11/18/99
CHECKED: DATE: 10/99	DIVISION MANAGER: 11/18/99
HLK	CITY ENGINEER

SCALE: NONE
SHEET OF SHEETS: 20 OF 20

BROTHERHOOD WAY AND FONT BOULEVARD PAVEMENT RENOVATION		SPECIFICATION NO. 1729N
BROTHERHOOD WAY TRAFFIC SIGNAL WORK		DRAWING NO. E-5
		FILE NO. 70,643.5
		REV. NO. 0

EXTERNAL REFERENCES: TB34X22
FONT(S) USED:

SCALE FACTOR: 1=1
PLOT SCALE:

ORIGIN: ELECTRICAL

FILE NAME: E-4.DWG
DATE: