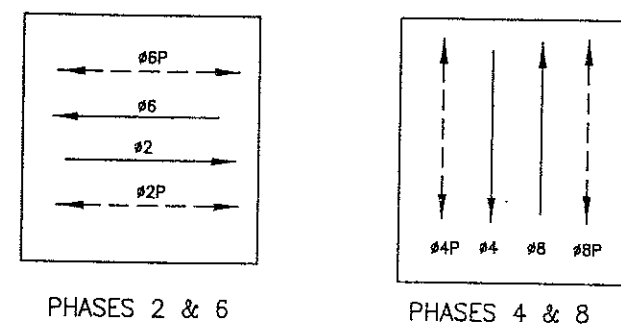


SIGNAL SWITCHED OVER ON 1/9/2008
FLASH @ 9:45 AM
3-CLOCK @ 9:49 AM
—BBD

STEADY DEMAND PHASE DIAGRAM



PHASE SEQUENCE

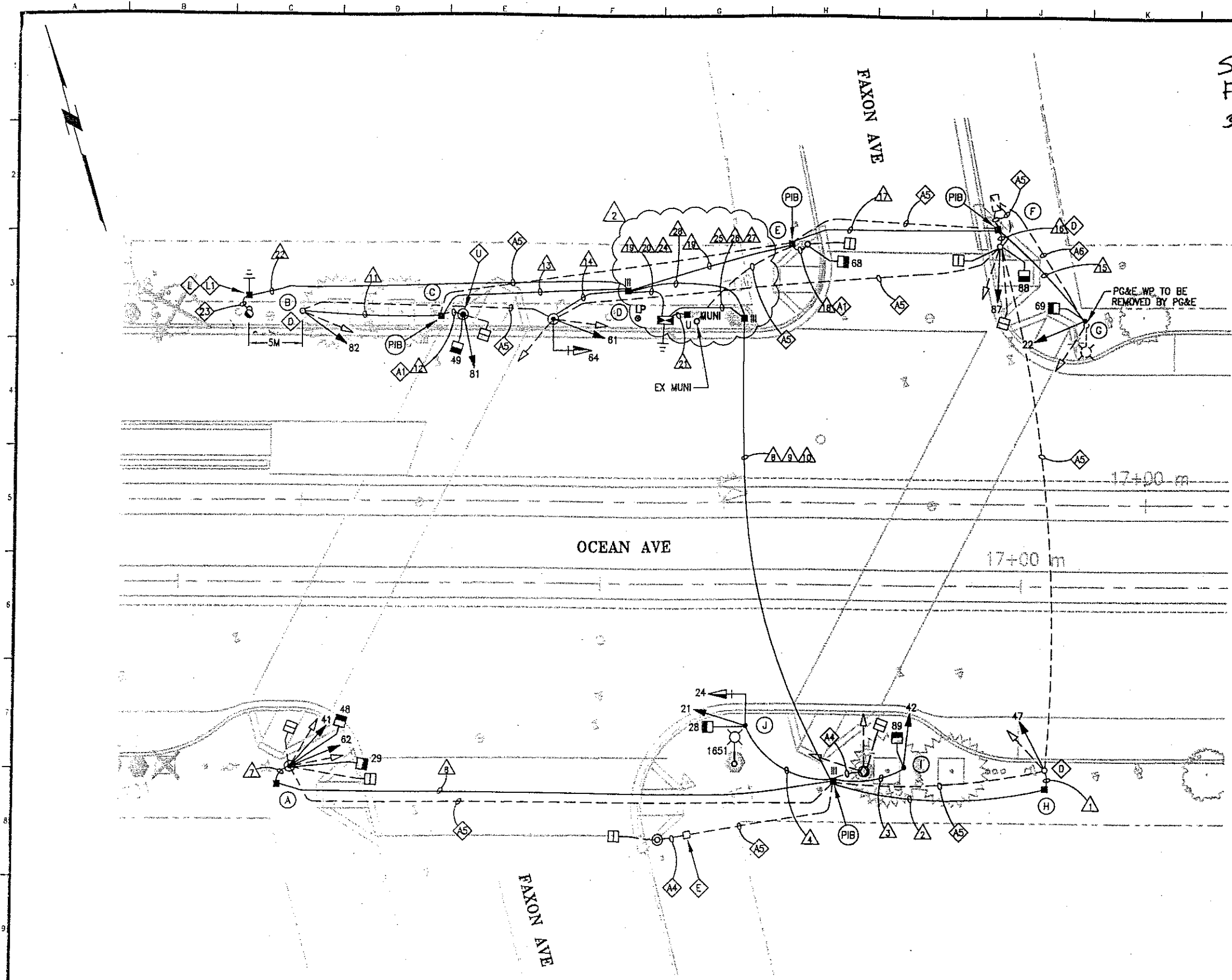
G	Y	R	OCEAN AVE
R	G	Y	FAXON AVE
WM	FRH	RH	PEDS XING FAXON
RH	WM	FRH	PEDS XING FAXON

SHEET NOTES:

1. R/C EX EXTERNAL CONDUIT.
2. PLUG ALL UNUSED HOLES ON EX POLES.
3. NEW WIRES TO EX SIGNALS SHALL BE TERMINATED AT THE SIGNAL HEAD.
4. ADDITIONAL CONDUIT AND 12/C TO BE FURNISHED AND INSTALLED AT THIS INTERSECTION ARE SHOWN ON DWG ET-42.

DETAIL NOTES:

- A1 EX CONDUIT AND WIRING. R/C EX WIRING. F/I NEW WIRING AS NOTED.
- A4 EX CONDUIT AND WIRING. R/C EX WIRING AND CONDUIT. REPAIR SIDEWALK TO MATCH EX.
- A5 EX CONDUIT AND WIRING. R/C EX WIRING. CUT CONDUIT FLUSH TO PULL BOX OR 12" DEPTH, CAP CONDUIT END(S).
- A6 EX CONDUIT AND IC SERVICE WIRES. R/C EX WIRING AFTER CONNECTION OF NEW SERVICE POINT TO NEW IC. CUT CONDUIT APPROX 2' FROM PULL BOX AND R/C CUT PORTION. ABANDON REMAINING CONDUIT IN PLACE.
- D CHIP EX FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD OR CONTROLLER CABINET AND REPAIR AFTER INSTALLATION.
- E R/C EX PULL BOX. REPAIR SIDEWALK TO MATCH EX.
- L F/I IN-LINE FUSE HOLDER W/ 40A FUSE FOR IC SERVICE.
- I1 COORDINATE WITH PG&E FOR SERVICE CONNECTION.
- U R/S EX STANDARD. REUSE EX FOUNDATION FOR NEW POLE.

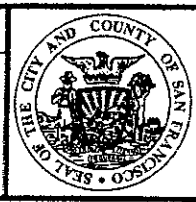


FOR ORIGINAL SIGNATURES, SEE DRAWING NO. ET-16, REV. 0

TABLE OF REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	3/02	PCD#3 - REISSUE PCD#1 (SUPERSEDES REV. 1)	BC
2	5/9/01	PER NEW M-SF REQUIREMENT	BC

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: 8/00	APPROVED: DATE:	SCALE: 1 : 100
DRAWN: DATE: 8/00	SECTION MANAGER: DATE:	SHEET OF SHEETS
CHECKED: DATE: 8/00	DIVISION MANAGER: DATE:	
TS/NKS	CITY ENGINEER: DATE:	

MUNI METRO SYSTEM		SPECIFICATION NO. MR-1130
OCEAN AVENUE RECONSTRUCTION AND IMPROVEMENTS PROJECT		DRAWING NO. ET-16
OCEAN AVE. TRAFFIC SIGNAL UPGRADE		FILE NO. 75,266
OCEAN AND FAXON AVES.		REV. NO. 2

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	28
CONDUIT SIZE (mm)	53	53	53	53			53	53	53	53	53	53	53	53	53	53	53		53	53	40	40	40	53	53	53	53	53
NOTES										SP								EX			U							
#14 WIRES																												
SIGNAL 47	3	3								3																	3	
SIGNAL 42			3							3																	3	
SIGNAL 89			2							2																	2	
SIGNAL 21				3						3																	3	
SIGNAL 24				3						3																	3	
SIGNAL 28				2						2																	2	
SIGNAL 41							3	3																			3	
SIGNAL 62							3	3																			3	
SIGNAL 29							2	2																			2	
SIGNAL 48							2	2																			2	
SIGNAL 82											3		3									3						
SIGNAL 81												3	3									3						
SIGNAL 49												2	2									2						
SIGNAL 61						NOT USED									3							3						
SIGNAL 64						NOT USED									3							3						
SIGNAL 22																						3						
SIGNAL 69															3		3		3									
SIGNAL 87															2		2		2									
SIGNAL 88																3	3		3									
SIGNAL 68																2	2		2									
																		2	2									
SPARE		3						3	3					3				3		3	3					3	3	
#14 WIRES NEUTRAL	1		2	3			3				1	2		2	2	2		1		3	3					3	3	
TOTAL #14 WIRES	4	6	7	11			13	13	19		4	7	11	8	7	7	13	3	15	17						13	19	
#10 WIRES NEUTRAL		1						1	3																			
#8 WIRES (120V SERVICE)																										1	3	
#8 WIRES (STREET LIGHT)																						2	2					
DETECTOR LEAD-IN CABLE																												
#6 BSCW																												
6.35mm (1/4") NYLON PULL ROPE										1					1						1							

POLE AND EQUIPMENT SCHEDULE									
POLE No.	TYPE OF POLE	LUMINAIRE (HPS) VOLTAGE/WATTS	VEHICLE SIGNAL			PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING (F/I)	No.	TYPE	MOUNTING (F/I)	
(A)	1-A (10')		41 62	3S8" V1 3S8" V1	TV-2-T-SF	29 48	1S-IN 1S-IN	SP-1 SP-1	
(B)	EX CONCRETE STANDARD		82	3S8" V1	TV-1				Q
(C)	1-A (10')		81	3S8" V1	TV-1	49	1S-IN	SP-1	
(D)	16-1-70 WITH 8' MASTARM		61 64	3S8" V1 3S12" V3	SV-1-T MAS				BACKPLATE
(E)	EX STANDARD					68	1S-IN	SP-1	
(F)	EX CONCRETE STANDARD		87	3S8" V1	TV-1	88	1S-IN	SP-1	Q
(G)	1-A (10')		22	3S8" V1	TV-1	69	1S-IN	SP-1	
(H)	EX CONCRETE STANDARD		47	3S8" V1	TV-1				Q
(I)	1-A (10')		42	3S8" V1	TV-1	89	1S-IN	SP-1	
(J)	16-1-70 WITH 8' MASTARM		21 24	3S8" V1 3S12" V3	SV-1-T MAS	28	1S-IN	TP-1	BACKPLATE

DETAIL NOTES:

- Q REUSE EX POLE TOP ADAPTER UPON WHICH STANDARD POLE TOP SIGNAL FITTING WILL BE USED.
- V1 LED RED, INCANDESCENT YELLOW, LED GREEN
- V3 LED RED, LED YELLOW, LED GREEN

FOR ORIGINAL SIGNATURES, SEE DRAWING NO. ET-17, REV. 0

NO.	DATE	DESCRIPTION	BY	APP.
3/02		PCO#3 - REISSUE PCO#1 (SUPERSEDES REV. 1)	BC	BBD
5/9/01		PER NEW M-SF REQUIREMENT	BC	BBD

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



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

DESIGNED: DATE: 8/00
CL/CF/JM
DRAWN: DATE: 8/00
EF
CHECKED: DATE: 8/00
TS/NKS

APPROVED
SECTION MANAGER
DIVISION MANAGER
CITY ENGINEER

SCALE:
NONE
SHEET OF SHEETS

MUNI METRO SYSTEM
OCEAN AVENUE RECONSTRUCTION
AND IMPROVEMENTS PROJECT
OCEAN AVE. TRAFFIC SIGNAL UPGRADE
OCEAN AND FAXON AVES
SCHEDULES
SPECIFICATION NO. MR-1130
DRAWING NO. ET-17
FILE NO. 75,267
REV. NO. 2