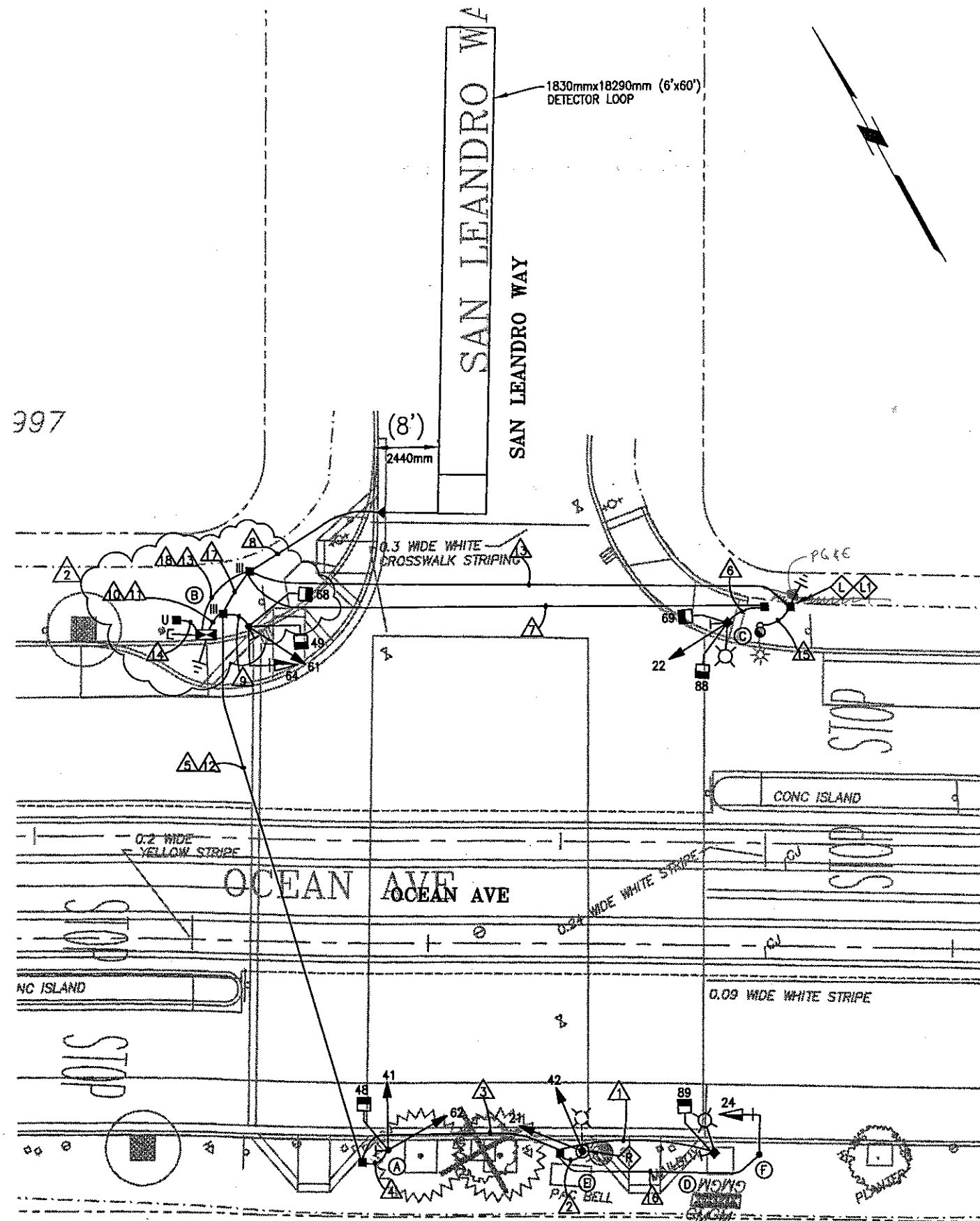
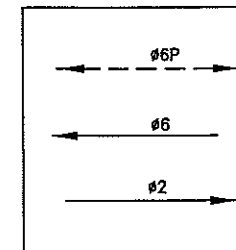


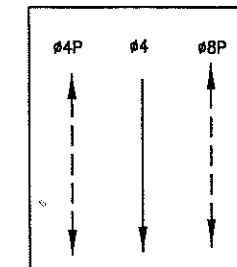


Signal activation on 8 Jan 2003
 Flash @ 11:34 AM
 3-color test @ 11:39 AM
 3-color, permanent, on 1/10/2003 @ 9:22 AM

STEADY DEMAND PHASE DIAGRAM



PHASES 2 & 6



PHASES 4 & 8

PHASE SEQUENCE

G		Y	R		OCEAN AVE
R			G	Y	SAN LEANDRO WAY
WM	FRH		RH		PED XING SAN LEANDRO
RH			WM	FRH	PED XING OCEAN

SHEET NOTE:

1. ADDITIONAL CONDUIT AND 12/C TO BE FURNISHED AND INSTALLED AT THIS INTERSECTION ARE SHOWN ON DWG ET-35.

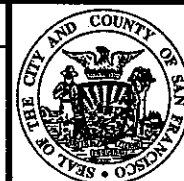
DETAIL NOTES:

- ⬡ F/I IN LINE FUSE HOLDER W/ 40 AMP FUSE FOR IC SERVICE.
- ⬢ COORDINATE WITH PG&E FOR SERVICE CONNECTION.
- ⬢ EX MUNI POLE TO BE REMOVED BY MUNI.

FOR ORIGINAL SIGNATURES, SEE DRAWING NO. ET-5, REV. 0

NO.	DATE	DESCRIPTION	BY	APP.
3/02	PCD#3 - REISSUE PCD#1 (SUPERSEDES REV. 1)	BC	BBD	
4/4/01	PER NEW M-SF REQUIREMENT	BC	BBD	
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: 8/00
 CL/CF/JM
 DRAWN: DATE: 8/00
 EF/JS
 CHECKED: DATE: 8/00
 TS/NKS

APPROVED
 SECTION MANAGER DATE:
 DIVISION MANAGER DATE:
 CITY ENGINEER DATE:

SCALE:
 1 : 100
 SHEET OF SHEETS

MUNI METRO SYSTEM
 OCEAN AVENUE RECONSTRUCTION
 AND IMPROVEMENTS PROJECT
 OCEAN AVE. TRAFFIC SIGNAL UPGRADE
 OCEAN AVE. AND SAN LEANDRO WAY

SPECIFICATION NO.
 MR-1130
 DRAWING NO.
 ET-5
 FILE NO.
 75,255
 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
CONDUIT SIZE (mm)	53	53	53	53	53	53	53	40	53	53	53	53	53	40	40	53	53	53	53
NOTES		F										SP		U		2	SP		
#14 WIRES																			
SIGNAL 24			3		3						3						3		
SIGNAL 84	2		2		2						2								
PPB	2		2		2						2								
SIGNAL 21		3	3		3						3								
SIGNAL 42		3	3		3						3								
SIGNAL 41				3	3						3								
SIGNAL 62				3	3						3								
SIGNAL 48				2	2						2								
PPB				2	2						2								
SIGNAL 22						3	3										3		
SIGNAL 69						2	2										2		
SIGNAL 88						2	2										2		
PPB						2	2										2		
SIGNAL 61											3						3		
SIGNAL 64											3						3		
SIGNAL 49											2						2		
SIGNAL 68											2						2		
PPB											2						2		
SPARE																			
#14 WIRES NEUTRAL	2	1		2		3					4						3		
TOTAL #14 WIRES	6	7	16	12	26	12	12			16	26						24		
#10 WIRES NEUTRAL			1		2		1				2						2		
#8 WIRES (120V SERVICE)							2										2		
LOOP DETECTOR WIRES								2											
DETECTOR LEAD-IN CABLE																	1		
#6 BSCW							1										1		
6.35mm (1/4) NYLON PULL ROPE											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	48	1S-IN	SP-1	PPB
(B)	16-1-70 WITH 8' MASTARM		61 64	3S8" V1 3S12" V3	SV-1-T MAS	49 68	1S-IN 1S-IN	SP-1 SP-1	PPB BACKPLATE
(C)	COMBINATION POLE MUNI #2378 SEE DWG 0-6 & E-6		22	3S8" V1	SV-1-T	69 88	1S-IN 1S-IN	SP-1 SP-1	PPB
(D)	COMBINATION POLE MUNI #2377 SEE DWG 0-6 & E-6					89	1S-IN	SP-1	PPB
(E)	1-A (10')		21 42	3S8" V1 3S8" V1	SV-2-TA				
(F)	16-1-70 WITH 8' MASTARM		24	3S12" V3	MAS				BACKPLATE

DETAIL NOTE:

- F SIGNALS SHALL USE NEW EXTERNAL CONDUIT. SURFACE MOUNTED CONDUIT SHALL BE INSTALLED ON THE SIDE OPPOSITE THE ROADWAY OR INTERSECTION.
- T F/I 18" VERTICAL EXTENDERS.
- V1 LED RED, INCANDESCENT YELLOW, LED GREEN
- V3 LED RED, LED YELLOW, LED GREEN

FOR ORIGINAL SIGNATURES, SEE DRAWING NO. ET-6, REV. 0

3/02	PCO#3 - REISSUE PCO#1 (SUPERSEDES REV. 1)	BC	BBD
4/4/01	PER NEW M-SF REQUIREMENT	BC	BBD
NO.	DATE	DESCRIPTION	BY
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: CL/CF/JM	DATE: 8/00	APPROVED:	DATE:
DRAWN: EF/JS	DATE: 8/00	SECTION MANAGER:	DATE:
CHECKED: TS/NKS	DATE: 8/00	DIVISION MANAGER:	DATE:
		CITY ENGINEER:	DATE:

SCALE:	NONE
SHEET OF SHEETS	

MUNI METRO SYSTEM	
OCEAN AVENUE RECONSTRUCTION AND IMPROVEMENTS PROJECT	
OCEAN AVE. TRAFFIC SIGNAL UPGRADE	
OCEAN AND SAN LEANDRO WAY SCHEDULES	

SPECIFICATION NO.	MR-1130
DRAWING NO.	ET-6
FILE NO.	75,256
REV. NO.	2