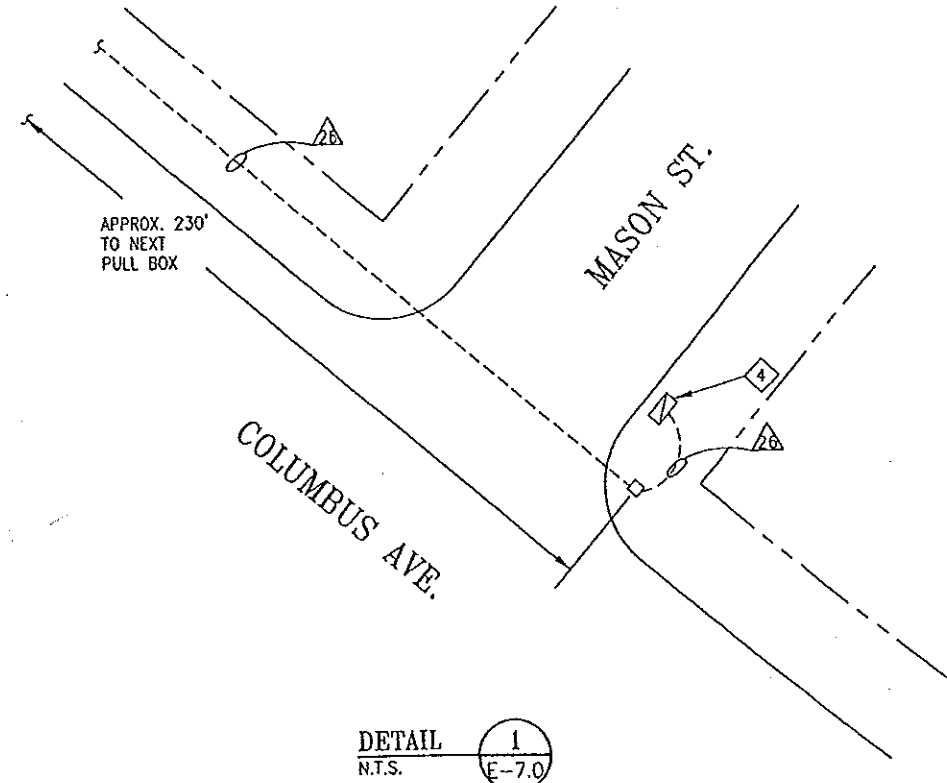
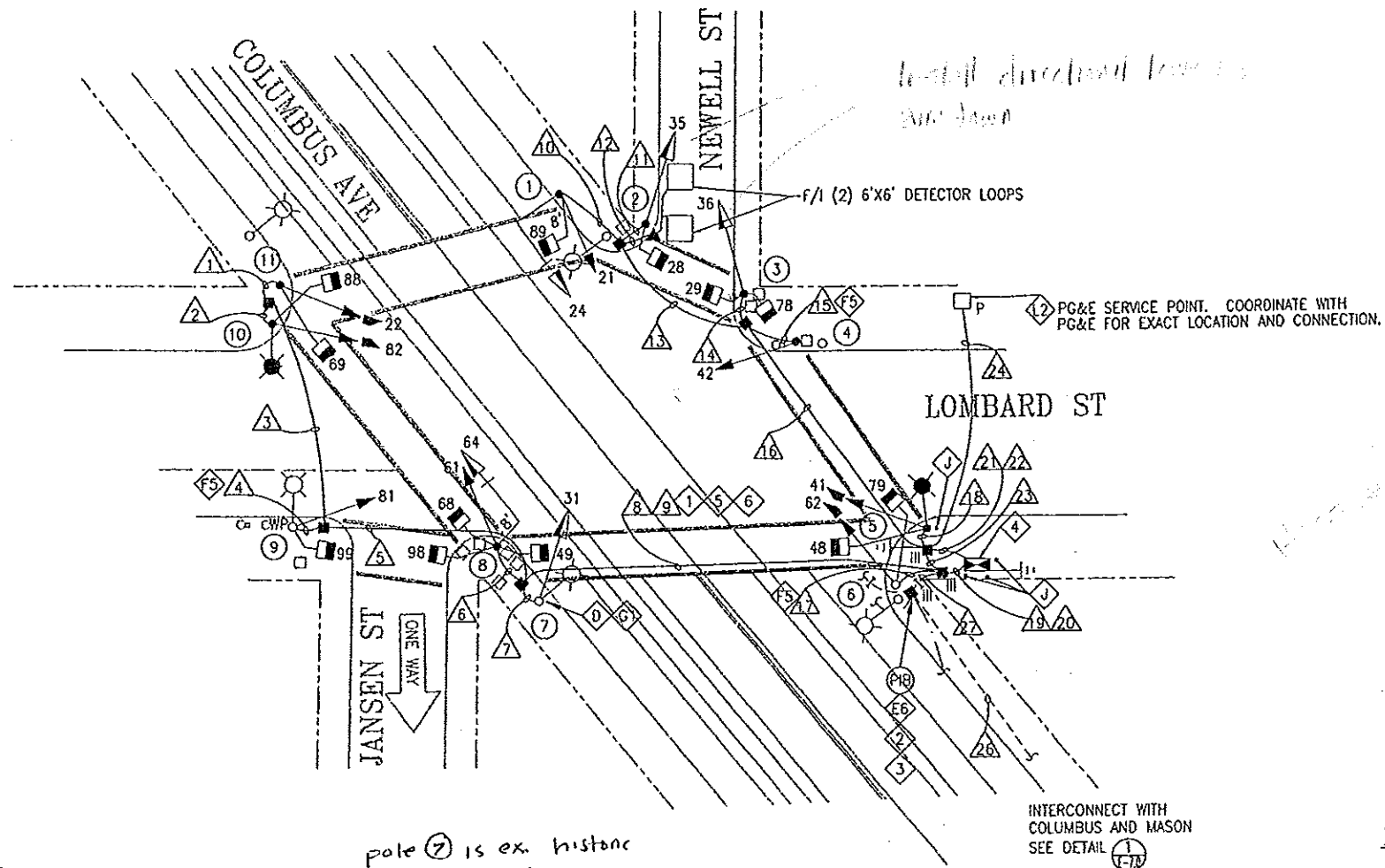


Flash on 7/30/2002 @ 11:14 AM
3-color on 8/1/2002 @ 10:15 AM
-BPD



SHEET NOTES:

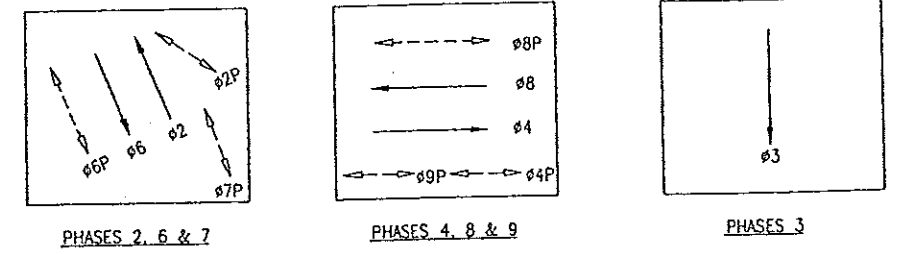
- 1 CONDUITS SHALL BE INSTALLED UNDER CABLE CAR TRACKS. SEE SSDPWSF SECTION 601.03. (TYP. CONDUIT SHALL BE 4' TO 6' BELOW SURFACE.)
- 2 PULL BOX CONTAINS HIGH VOLTAGE STREET LIGHTING CABLE.
- 3 EX CONDUIT WITH 12-C INTERCONNECT CABLE COMING FROM CONTROLLER AT COLUMBUS AND MASON AND TRAVELLING NORTH ALONG COLUMBUS. CAREFULLY PULL 12-C CABLE COMING FROM MASON STREET. CUT AS REQUIRED TO TERMINATE AT NEW CONTROLLER AT LOMBARD AND COLUMBUS.
- 4 F/I NEW 12-C INTERCONNECT CABLE TERMINATING, AT NEW CONTROLLER (AT LOMBARD AND COLUMBUS) AND AT EXISTING CONTROLLER AT MASON AND COLUMBUS.
- 5 CONDUITS INSTALLED UNDER TRACKS SHALL BE INSTALLED BY JACKING, PUSHING OR PULLING.
- 6 CONTRACTOR SHALL NOTIFY CABLE CAR OPERATIONS (WILEY TOM @ 415-307-8988) SEVEN DAYS PRIOR TO WORKING UNDER CALBE CAR TRACKS OR ACCESSING MUNI PULL BOX. PULL BOX CAN ONLY BE ACCESSED DURING NON-OPERATION HOURS (1:30 AM TO 4:30 AM).

pole 7 is ex. historic
SL w 5kV; ext conduit
or internal flex. conduit?

DETAIL NOTES:

- D CHIP EXISTING FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD OR CONTROLLER CABINET AND REPAIR AFTER INSTALLATION.
- E6 R/S EX PULL BOX METAL COVER
- F5 SIGNALS SHALL USE NEW EXTERNAL CONDUIT. SURFACE MOUNTED CONDUIT SHALL BE INSTALLED ON THE SIDE OPPOSITE THE ROADWAY OR INTERSECTION.
- G1 CAREFULLY DRILL POLE AND INSTALL CONDUIT NIPPLE FOR THE TRAFFIC SIGNAL WIRING ENTRY. SEAL UNUSED HOLE(S) WITH NON SHRINK GROUT.
- J F/I GUARD POST PER SPDPSWF FILE #LA-021.
- 12 F/I IN-LINE FUSE HOLDERS W/ 40A FUSES FOR FOR IC SERVICE AND SL SERVICE. F/I NEW WIRING AS NOTED. F/I GROUND ROD.

PHASE DIAGRAM:

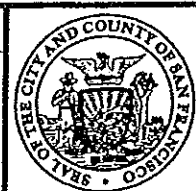


PHASE SEQUENCE:

G	Y	R		COLUMBUS AVE
R		G	Y	LOMBARD STREET
R			FR	NEWELL STREET
RH	WM	FRH	RH	PED XING COLUMBUS AVENUE, JANSEN STREET
WM	FRH		RH	PED XING LOMBARD STREET, NEWELL STREET



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



DESIGNED:	DATE:	APPROVED	DATE:
TP/BD	4/01	H. H. King	4/23/01
DRAWN:	DATE:	SECTION MANAGER	DATE:
JE	4/01	M. L. King	4/23/01
CHECKED:	DATE:	DIVISION MANAGER	DATE:
STL	4/01	W. L. King	4/24/01
		CITY ENGINEER	DATE:

SCALE:	1' = 20'
SHEET OF SHEETS	19 OF 32

CONTRACT 52-53 NEW TRAFFIC SIGNAL
COLUMBUS AVE & LOMBARD ST

SPECIFICATION NO.	0088J
DRAWING NO.	E-7.0
FILE NO.	75.973
REV. NO.	0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION	FILE NO. OF SURVEYS

EXTERNAL REFERENCES: 1534422.dwg
FONTS USED: ROMANS.SHX ROMANS.SHX
SCALE FACTOR: 240
PLOT SCALE: 1"=1'
ORIGIN: SALE & TAX

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	2	1.5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2	2	1.5			2
NOTES																			P	P	P	P	P	S	NOT USED	EX	
#14 WIRES																											
SIGNAL 22	3		3		3			3											3								
SIGNAL 69	2		2		2			2											2								
SIGNAL 82		3	3		3			3											3								
SIGNAL 88		2	2		2			2											2								
SIGNAL 81				3	3			3											3								
SIGNAL 99				2	2			2											2								
SIGNAL 64						3			3										3								
SIGNAL 61					3				3										3								
SIGNAL 98					2				2										2								
SIGNAL 68					2				2										2								
SIGNAL 49					2				2										2								
SIGNAL 31							1		1										1								
SIGNAL 24										3			3						3								
SIGNAL 21										3			3						3								
SIGNAL 89									2				2						2								
SIGNAL 35											1		1						1								
SIGNAL 28											2		2						2								
SIGNAL 36														1					1								
SIGNAL 78														2					2								
SIGNAL 26														2					2								
SIGNAL 42															3	3					3						
SIGNAL 62																	3		3								
SIGNAL 79																	2		2								
SIGNAL 41																		3			3						
SIGNAL 48																		2			2						
#14 WIRES (NEUTRAL)	2	2		2		5	1			3	2			3	1		2	2									
#14 WIRES (SPARE)			3		3			3					3			3		3									
TOTAL #14 WIRES	7	7	13	7	18	17	2	18	13	11	5		14	8	4	22	7	7	36	27							
#10 WIRES (NEUTRAL)			1		1			1	1				1			1			2		2						
#8 WIRES (120V SERVICE)																				2				4			
#8 WIRES STREET LIGHT		2			2			2														2					
#10 WIRES STREET LIGHT																		2									
DLW											4																
DLC													1			1				1							
1/4" PULL ROPE			1		1				1	1			1			1											
#6 BSCW																				1			1				
12/C INTERCONNECT																									1		2

POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE (HPS)	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			REMARKS	
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE		MOUNTING
1	16-1-70 W/ 8' MAST ARM AND		24 21	3S12" 3S8"	MAS SV-1-T	TUNNEL TUNNEL		89	IS-IN	SP-1	BACKPLATE
2	1 - A (10')		35	1S12"R	TV-1	TUNNEL		28	IS-IN	SP-1	
3	1 - A (10')		36	1S12"R	TV-1	TUNNEL		29 78	IS-IN IS-IN	SP-1 SP-1	
4	1 - A (10')		42	3S8"	TV-1	TUNNEL					
5	CITY STANDARD STREET LIGHT B2	120/240V 100W	41	3S8"	SV-1-T	RT ANGLE		48	IS-IN	SP-1	
6	EX MUNI		62	3S8"	SV-1-T	LT ANGLE		79	IS-IN	SP-1	
7	EX SL		31	1S12"R	SV-1-T	TUNNEL					
8	16-1-70 W/ 8' MAST ARM		64 61	3S12" 3S8"	MAS SV-1-T	TUNNEL TUNNEL		49 68 96	IS-IN IS-IN IS-IN	SP-1 SP-1 SP-1	BACKPLATE
9	EX MUNI WOOD POLE		81	3S8"	SV-1-T	TUNNEL		99	IS-IN	SP-1	EXTERNAL CONDUIT 2 E-0.4
10	CITY STANDARD STREET LIGHT B2	120/240V 100W	82	3S8"	SV-1-T	RT ANGLE		88	IS-IN	SP-1	
11	1 - A (10')		22	3S8"	TV-1	LT ANGLE		69	IS-IN	SP-1	

TABLE OF REVISIONS

NO.	DATE	DESCRIPTION	BY	APP.

REFERENCE INFORMATION & FILE NO. OF SURVEYS

BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

CITY AND COUNTY OF SAN FRANCISCO

DESIGNED: TP/BD 4/01

DATE: 4/23/01

DRAWN: JE 4/01

DATE: 4/23/01

CHECKED: STL 4/01

DATE: 4/23/01

APPROVED: [Signature] 4/23/01

SECTION MANAGER: [Signature] 4/23/01

DIVISION MANAGER: [Signature] 4/23/01

CITY ENGINEER: [Signature] 4/23/01

SCALE: NONE

SHEET OF SHEETS: 20 OF 32

CONTRACT 52-53

NEW TRAFFIC SIGNAL

COLUMBUS AVE & LOMBARD ST

SCHEDULE

SPECIFICATION NO. 0088J

DRAWING NO. E-7.1

FILE NO. 75,974

REV. NO. 0

DETAIL NOTES:

B2 F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDER PER SPDPWSF FILE 49,092.

P F/I PVC CONDUIT SCHEDULE 80.

S COORDINATE WITH PG&E

ORIGIN: SALE & TAX

FILE NAME: 0088J-E07.1.dwg

DATE: Dec 04 2000 15:48