

- DETAIL NOTES:**
- EX CONDUIT AND WIRING. R/C EX TS WIRING. EX SL WIRING TO REMAIN.
 - R/C EX WIRING AND CONDUIT. REPAIR SIDEWALK TO MATCH EX.
 - EX CONDUIT AND WIRING. R/C EX WIRING. CUT CONDUIT FLUSH TO PULL BOX WALL OR 12" DEPTH, CAP END(S). ABANDON CONDUIT IN PLACE.
 - SPLICE NEW WIRING TO EX SL WIRING TO ACTIVATE NEW SL.
 - CHIP EX FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD AND REPAIR AFTER INSTALLATION.
 - EXTEND 12/C INTERCONNECT TO NEW IC LOCATION. SPLICE TO EX 12/C TO MAINTAIN INTERCONNECT SYSTEM.
 - CONTRACTOR SHALL COORDINATE W/ PG&E THROUGH RESIDENT ENGINEER FOR SERVICE DISCONNECTION AND RECONNECTION.
 - CONTRACTOR SHALL COORDINATE WITH WALLY SUN OF HETCHY-HETCHY AT (415)554-1873 TO DISCONNECT EX PG&E IC SERVICE WIRING.
 - F/I IN-LINE FUSE HOLDER, W/ 40A FUSE FOR IC SERVICE. SPLICE NEW WIRES TO EX PG&E SERVICE TO SUPPORT NEW IC.

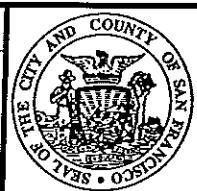
NOTE:
THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTED SUBSEQUENT TO INTERNAL ENGINEERING APPROVAL AND SIGN-OFF. FOR THOSE SIGNATURES, SEE THE DRAWING PLOTTED AND ISSUED PREVIOUSLY DURING BIDDING. THE SIGNED DRAWING REMAINS VALID EXCEPT FOR THE CHANGES ONLY AS CLEARLY MARKED ON THIS DRAWING AND ISSUED UNDER THIS LATEST REVISION NUMBER AS SHOWN IN THE TABLE OF REVISIONS LOCATED AT THE LOWER LEFT CORNER OF THE DRAWING. ALL ISSUED REVISIONS SUBSEQUENT TO PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS. CHECK ALL ISSUED REVISIONS OF THIS DRAWING.

CONTRACTOR SHALL PROTECT (E) FIRE ALARM WIRES.

61+82 FRAMEWORK
HIT BY DELIVERY TRUCK
10:30 AM

TABLE OF REVISIONS			
NO.	DATE	DESCRIPTION	BY
02/04	PCO #4	RELOCATED POLE #4 & CONDUITS	RP
12/03	PCO #2	DELETE GND ROD & REPLACE #10 GND W/ #6 BSCW	RP
9/02		ISSUED FOR BID	RP

REFERENCE INFORMATION & FILE NO. OF SURVEYS			
FILE NO.	DATE	DESCRIPTION	BY



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





DESIGNED:	DATE:	APPROVED:
RP	9/02	
DRAWN:	DATE:	SECTION MANAGER:
JE/JS	9/02	
CHECKED:	DATE:	DIVISION MANAGER:
BC	9/02	
		CITY ENGINEER:

SCALE:
1" = 10 feet
SHEET OF SHEETS

COLUMBUS AVENUE TRAFFIC SIGNAL UPGRADE	
COLUMBUS AVENUE AND VALLEJO STREET	

SPECIFICATION NO.	0481J
DRAWING NO.	E-4.0
FILE NO.	80,018
REV. NO.	2

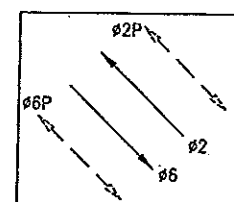
Drawing Path: V:\0481J_Columbus_Ave_Traffic_Signal_Upgrade\3_Construction\Change Orders\PCO_DWG\PCO_0481J.dwg
Plot Time: Fri, 02 Apr 2004 - 10:25am
Model Units: Inches
Login: parharr

POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE (HPS)	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
		VOLTAGE/ WATTS	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	17B-1-70 W/ 8' MAST ARM AND 6' LUMINAIRE 	120V/200W	24 21	3S12" 3S8"	MAS SV-1-T	T T		28	1S-COUNT	SP-1,	BACKPLATE
②	1-A (10')		42	3S8"	TV-1	T		89	1S-COUNT	SP-1	
③	EX. SL		41	3S12"	SV-1-T	RIGHT ANGLE		48	1S-COUNT	SP-1	
④	16-1-70 W/ 8' MAST ARM		62	3S12"	MAS	LEFT ANGLE		29	1S-COUNT	SP-1	BACKPLATE
⑤	17B-1-70 W/ 8' MAST ARM AND 6' LUMINAIRE 	120V/200W	64 61 82	3S12" 3S8" 3S12"	MAS SV-1-T (MOUNTED @ 13") SV-1-T	T T T		49 68	1S-COUNT 1S-COUNT	SP-1-SF (12") SP-1 (22")	BACKPLATE
⑥	EX. SL		81	3S12"	SV-1-T	RIGHT ANGLE		88	1S-COUNT	SP-1	
⑦	16-1-70 W/ 8' MAST ARM		22	3S12"	MAS	LEFT ANGLE		69	1S-COUNT	SP-1	BACKPLATE

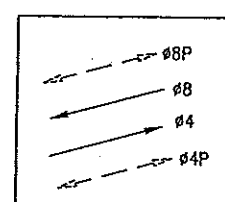
DETAIL NOTES:

F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDERS PER SPDWSF FILE #49,092.

PHASE DIAGRAM:



PHASES 2, 6, 2P, & 6P



PHASES 4, 8, 4P, & 8P

PHASE SEQUENCE:

G		Y	R		COLUMBUS (#2 & #6)	
R			G	Y	R	VALLEJO (#4 & #8)
WM		FRH	RH			PEDS XING VALLEJO (#2P & #6P)
RH			WM	FRH	RH	PEDS XING COLUMBUS (#4P & #8P)

NOTE:

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<table> <tr> <th>NO.</th><th>DATE</th><th>DESCRIPTION</th><th>BY</th><th>APP.</th></tr> <tr> <td>1</td><td>11/04</td><td>POD #11 CHANGE VS MOUNTING FROM SV-2-TC TO SV-1-T</td><td>RP</td><td>BC</td></tr> <tr> <td>2</td><td>9/02</td><td>ISSUED FOR BID</td><td>RP</td><td>BC</td></tr> </table>		NO.	DATE	DESCRIPTION	BY	APP.	1	11/04	POD #11 CHANGE VS MOUNTING FROM SV-2-TC TO SV-1-T	RP	BC	2	9/02	ISSUED FOR BID	RP	BC	REFERENCE INFORMATION & FILE NO. OF SURVEYS				BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO				DESIGNED: DATE: 9/02 DRAWN: DATE: 9/02 CHECKED: DATE: 9/02 APPROVED: DATE: 9/02 SECTION MANAGER: DATE: 9/02 DIVISION MANAGER: DATE: 9/02 CITY ENGINEER: DATE: 9/02		SCALE: NONE SHEET OF SHEETS		COLUMBUS AVENUE TRAFFIC SIGNAL UPGRADE COLUMBUS AVENUE AND VALLEJO STREET		SPECIFICATION NO. 0481J DRAWING NO. E-4.1 FILE NO. 80,019 REV. NO. 1	
NO.	DATE	DESCRIPTION	BY	APP.																												
1	11/04	POD #11 CHANGE VS MOUNTING FROM SV-2-TC TO SV-1-T	RP	BC																												
2	9/02	ISSUED FOR BID	RP	BC																												

CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION