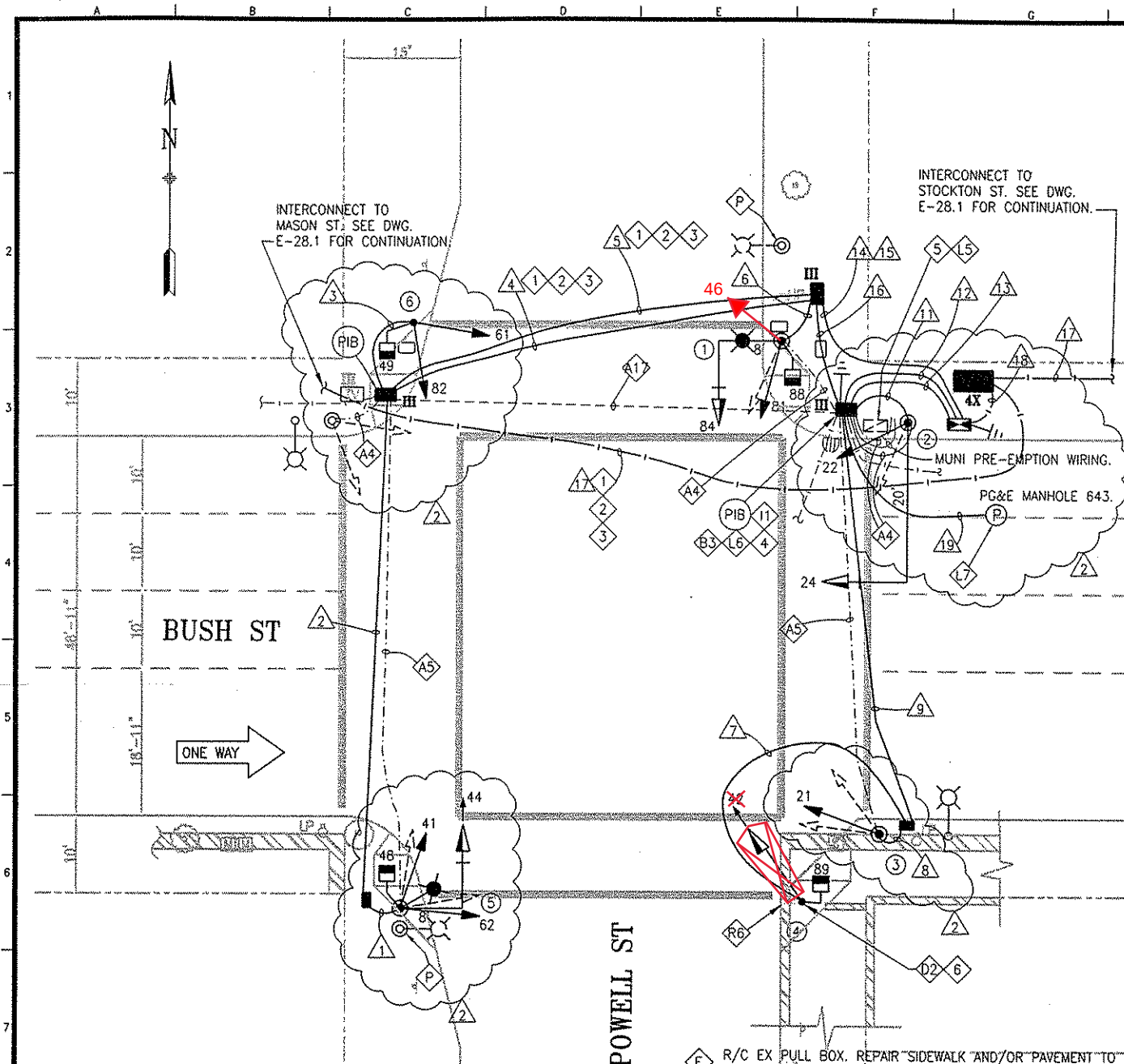
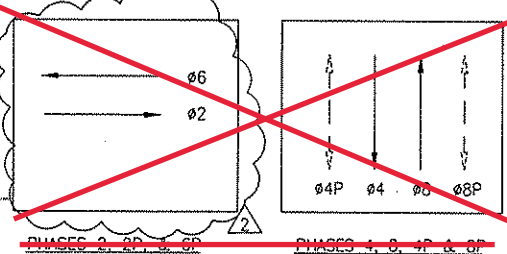




POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE (HPS) VOLTAGE/ WATTS	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	17E-1-70 8' MAST ARM 6' LUMINAIRE	120V/ 200W	84	3S12"	MAS	T		88	1S-COUNT	SP-1	BACKPLATE
			81 46	3S12" 3S8" 3S12" GSA	SV-1-T SV-2-TA	T					
②	16-1-70 20' MAST ARM		24	3S12"	MAS	T					BACKPLATE
			22	3S12" 3S8"	SV-1-T	T					
③	1-A (10')		21	3S12" 3S8"	TV-1 TV-1-T	T					
④	1-A (10')		42	3S12" GSA	TV-1	T		89	1S-COUNT	SP-1	②
⑤	17E-1-70 8' MAST ARM 6' LUMINAIRE	120V/ 200W	44	3S12" GSA	MAS	T					BACKPLATE
			41 62	3S12" 3S8" 3S12" 3S8"	SV-2-T-SF SV-2-TA	T		48	1S-COUNT	SP-1 (22')	②
⑥	1-A (10')		61 82	3S12" 3S8" 3S12" 3S8"	TV-2-T-SF TV-2-T	T		49	1S-COUNT	SP-1	②

UNSUCCESSFUL TURN-ON ATTEMPT ON 4-1-04
SWITCH OVER ON 6-3-04 (11:30 AM - 3:00 PM)
PHASE DIAGRAM:
PHASE SEQUENCE:



G	Y	R	BUSH ST		
R		G	Y	R	POWELL ST
RH		WM	FRH	RH	PED XING BUSH ST

DETAIL NOTES:

- A4 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 WALL OR 12" DEPTH, CAP OR DUCT SEAL END(S). ABANDON CONDUIT IN PLACE.
- A17 R/C EX TS WIRING. 12/C CABLE TO REMAIN.
- B2 F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDERS PER SSPDWSF FILE #49,092.
- B3 SPLICE NEW SL WIRING TO SERVICE WIRES TO SUPPORT NEW SL(S).
- D CHIP EX FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD AND REPAIR AFTER INSTALLATION.
- D2 EX BASEMENT. F/I BASEMENT FOUNDATION. SEE STRUCTURAL DETAIL DRAWING S-1.

- E R/C EX PULL BOX. REPAIR SIDEWALK AND/OR PAVEMENT TO MATCH EX OR AS REQUIRED.
- H SPLICE EX 12/C AS REQUIRED TO MAINTAIN INTERCONNECT SYSTEM.
- L5 CONTRACTOR SHALL COORDINATE WITH WALLY SUN OF HETCH HETCHY AT (415) 554-1873 TO DISCONNECT EX PG&E IC SERVICE WIRING. R/C EXISTING WIRING. CUT CONDUIT FLUSH TO PULL BOX WALL OR 12" DEPTH, CAP END(S). ABANDON CONDUIT IN PLACE.
- L6 F/I IN-LINE FUSE HOLDER W/ 40A FUSE FOR IC SERVICE.
- L7 COORDINATE WITH PG&E VIA WALLY SUN OF HETCH HETCHY AT (415) 554-1873 FOR CONNECTION WORK.
- P CONTRACTOR SHALL COORDINATE WITH RAY YAMAGISHI OF BLHP @ 554-0728 TO DISCONNECT EX SL SERVICE WIRING. R/C EX WIRING AND CONDUIT. RESTORE SIDEWALK AND/OR PAVEMENT TO MATCH EX OR AS REQUIRED.
- R6 R/S SIGN POLE AND R/R SIGNS ON POLE ④.

SHEET NOTES:

- ① CONDUITS SHALL BE INSTALLED UNDER CABLE CAR TRACKS. SEE SSPDWSF SECTION 601.03. (TYP. CONDUIT SHALL BE 4" TO 6" BELOW SURFACE).
- ② CONDUITS INSTALLED UNDER TRACKS SHALL BE INSTALLED BY JACKING, PUSHING OR PULLING.
- ③ CONTRACTOR SHALL NOTIFY CABLE CAR OPERATIONS (WILEY TOM @ 415-307-8988) SEVEN DAYS PRIOR TO WORKING UNDER CABLE CAR TRACKS OR ACCESSING MUNI PULL BOX.
- ④ MAINTAIN & PROTECT EX MUNI PRE-EMPTION WIRING.
- ⑤ EX CONTROLLER HAS EXTERNAL CONDUIT AND ELECTRICAL BOX FOR MUNI PRE-EMPTION WIRING. PULL BACK WIRES TO ADJACENT PULL BOX. R/R BOX ON NEW CONTROLLER. EXTEND CONDUIT AND WIRING TO BOX.
- ⑥ FOR BASEMENT ACCESS PLEASE CONTACT: SOTANO GILL @ 415-989-7131.

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.

NO.	DATE	DESCRIPTION	BY	APP.
4	12/19	SRC 2019-246: UPGRADE ALL EXISTING 8" SIGNAL HEADS TO 12"	ECT	BT
3	02/19	RELOCATE 3S12" GSA FROM POLE 4 TO POLE 1 PER SRC 2019-005	ECT	MV
2	04/03	PCO-6: VARIOUS	TP	BC
1	10/02	PCO-1: NEW SERVICE	TP	BC

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:	APPROVED:
GD/JP/TP 3/02	
DRAWN: DATE:	SECTION MANAGER: DATE:
JN/JS 3/02	
CHECKED: DATE:	DIVISION MANAGER: DATE:
DSB 3/02	
	CITY ENGINEER: DATE:

SCALE:	1" = 10'
SHEET OF SHEETS:	53 OF 73

BUSH STREET TRAFFIC SIGNAL UPGRADE
BUSH ST AND POWELL ST

SPECIFICATION NO.	0286J
DRAWING NO.	E-24.0
FILE NO.	78245
REV. NO.	884

EXTERNAL REFERENCES: T34222.dwg
C:\P1\157\157.dwg
SCALE FACTOR: 120
PLOT: 5/21/14 1:11
ORIGINAL: Sub & For