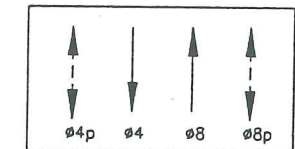
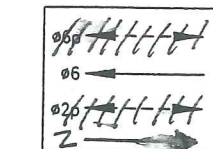


REMOVE PED HEADS 28, 29, 68, & 69

PED HEAD 88 MIGHT NEED TO BE REINSTALLED WITH NEW SP+ MOUNTING

PHASE DIAGRAM



PHASE 6, 2, & 8 AND 2

PHASE 4, 8, 4P & 8P

PHASE SEQUENCE

G	Y	R
R	G	Y
WM	FRH	RH
RH	WM	FRH

PINE STREET (EB+WB) - 02 AND 06
POWELL STREET (SB+NB) - 04 AND 08
PED XING POWELL DELETED
PED XING PINE (WS+ES) - 4P & 8P

SHEET NOTES:

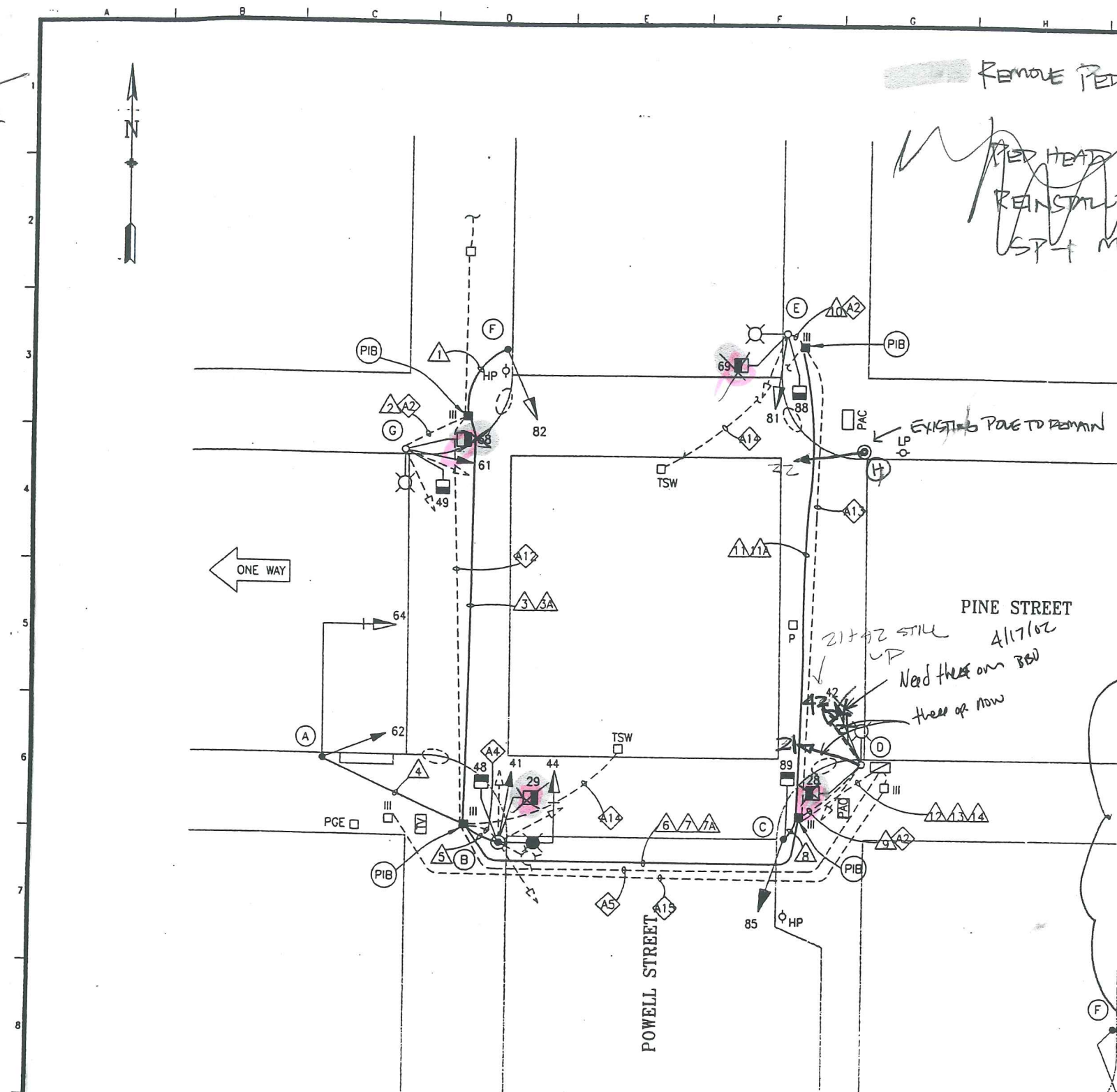
- CONTRACTOR SHALL KEEP CABLE CAR PRE-EMPTION SYSTEM RUNNING DURING CONSTRUCTION OF T/S.
- 6/7/8 SHALL BE INSTALLED UNDER CABLE CAR TRACKS. SEE SSDPWSF SECTION 601.03.

DETAIL NOTES:

- A2 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL WIRING TO REMAIN. 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 BOTH ENDS OF CONDUIT APPROX 2' AND R/C. ABANDON REMAINING CONDUIT IN PLACE.
- A7 EX CONDUIT AND WIRING. INTERCONNECT WIRING TO REMAIN.
- A13 EX CONDUIT AND WIRING. R/C EX WIRING AND CONDUIT. F/I EX T/S WIRING. STREET LIGHT AND TRACK SWITCH WIRING TO REMAIN.
- A14 EX CONDUIT AND WIRING FOR TRACK SWITCH WIRING TO REMAIN.
- A15 EX CONDUIT AND 12/C TO REMAIN.
- AA SPARE.
- D CHIP EX FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD OR CONTROLLER CABINET AND REPAIR AFTER INSTALLATION.

PED SIGNALS 48, 49, 88, & 89
ACTIVATION ON 5-4-05
AT 1:45 PM
ATTENDED BY: GERARDINE
DE LEON (TRAFFIC ENG),
JEREMY DUNNE (SIGNAL
SHOP), AND WEI ZHANG
(SIGNAL SHOP)

MOUNTING DETAIL FOR POLE "F"
(NO SCALE)



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: DATE: 06/00 DRAWN: DATE: 06/00 CHECKED: DATE: 06/00		APPROVED: N.K. S... 7-17-00 SECTION MANAGER: DATE: 7/16/00 DIVISION MANAGER: DATE: 7/27/00 CITY ENGINEER: DATE: 8		SCALE: 1" = 10'-0" SHEET OF SHEETS: 10 OF 62		PINE STREET TRAFFIC SIGNAL UPGRADE POWELL AND PINE STREETS		SPECIFICATION NO. 1986N DRAWING NO. E-9 FILE NO. 74450 REV. NO.	
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CONDUIT AND WIRING SCHEDULE																			
CONDUIT RUN NUMBER	1	2	3	3A	4	5	6	7	7A	8	9	10	11	11A	12	13	14		
CONDUIT SIZE (INCH)	2	EX	2	2	2	2	2	2	2	2	EX	EX	2	2	2	EX	EX		
NOTES		A2		AA					AA		A2	A2		AA	D				
#14 WIRES																			
SIGNAL 82	3		3				3										3		
SIGNAL 61		3	3				3												
SIGNAL 68		2	2				2										2		
SIGNAL 49		2	2				2										2		
SIGNAL 62					3			3											
SIGNAL 64					3			3									3		
SIGNAL 41						3		3									3		
SIGNAL 44						3		3									3		
SIGNAL 48						2		2									2		
SIGNAL 29						2		2									2		
SIGNAL 42										3		3			3		2		
SIGNAL 85										3					3				
SIGNAL 89									3						3				
SIGNAL 28									2				2		2				
SIGNAL 81											2		2		2				
SIGNAL 88											2		2		2				
SIGNAL 69											2		2		2				
SPARE			3				3	3				3			3	3	3		
#14 WIRES NEUTRAL	1	3			2	4			2	2	3				3	3	3		
TOTAL #14 WIRES	4	10	13		8	14	13	19	7	7	10	15			20	19	16		
#10 WIRES NEUTRAL							1	1				1			2	1	1		
#8 WIRES (120V SERVICE)																			
#8 WIRES (STREET LTG)																			
#6 BSCW																			
12/C																			
TRACK SWITCH WIRES																			
1/4"(6.35mm)PULL ROPE			1	1			1	1	1				1	1	1	1	1		

POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	VEHICLE SIGNAL			PEDESTRIAN SIGNAL			PEDESTRIAN PUSHBUTTON (PPB)	LUMINAIRE (HPS)		REMARKS
		No.	TYPE	MOUNTING (F/I)	No.	TYPE	MOUNTING (F/I)		VOLTAGE	WATTS	
(A)	16-1-70 20' MAST ARM	64	3S12" V3	MAS							BACKPLATE
		62	3S8" V1	SV-1-T							
(B)	17-1-70, 6' LUMINAIRE ARM, 8' MAST ARM	44	3S12" V3	MAS	29	1S-IN	SP-1	REMOVED	120V	150W	BACKPLATE
		41	3S8" V1	SV-1-T	48	1S-IN	SP-1				
(C)	1-A (10')	85	3S12"GSA V6 3S8"GSA	TV-1-T*	89	1S-IN	SP-1				V6
(D)	EX SL	21 42	3S8" V1 3S8" V1	SV-2-TA SV-1-T	26	1S-IN	SP-1	REMOVED			
(E)	EX SL	81	3S12"GSA V6	SV-1-T	69	1S-IN	SP-1 SP-2-T-SF	REMOVED			INSTALL #81 AT 13'
(F)	1-A (13')	82	3S12"GSA V6	TV-1-T	88	1S-IN					V5
(G)	EX SL	61	3S8" V1	SV-1-T	49	1S-IN	SP-1				
					60	1S-IN	SP-1	REMOVED			
(H)	EX POLE 1-B (10')	22	3S8" V1	TV-1-T							

4-2-600

down
* ANGLED @ 45° (EXTRA 6" NIPPLE ON TOP BRACKET)

DETAIL NOTES:

- A2 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL WIRING TO REMAIN. F/I NEW WIRING AS NOTED.
- AA SPARE.
- D CHIP EX FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD OR CONTROLLER CABINET AND REPAIR AFTER INSTALLATION.
- F5 SV-1-T WITH LEFT SIDE OFFSET.
- V1 LED RED, INCANDESCENT YELLOW, AND LED GREEN
- V3 LED RED, LED YELLOW, AND LED GREEN
- V6 LED RED, INCANDESCENT YELLOW, AND LED GREEN ARROW
- X6 SIGNAL 85 IS A SPECIAL FRAME WORK PROVIDED BY TRAFFIC SIGNAL SHOP TO AIM HEAD DOWN.

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: BD/EF	DATE: 06/00	APPROVED: N. K. Sood	DATE: 7-17-00
DRAWN: JS	DATE: 06/00	SECTION MANAGER: M. K. Sood	DATE: 7/26/00
CHECKED: NKS	DATE: 06/00	DIVISION MANAGER: N. K. Sood	DATE: 7/27/00
		CITY ENGINEER	

SCALE: NONE	SHEET OF SHEETS: 11 OF 62
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PINE STREET
TRAFFIC SIGNAL UPGRADE
POWELL AND PINE STREETS
SCHEDULES

SPECIFICATION NO. 1986N
DRAWING NO. E-10
FILE NO. 74451
REV. NO.

