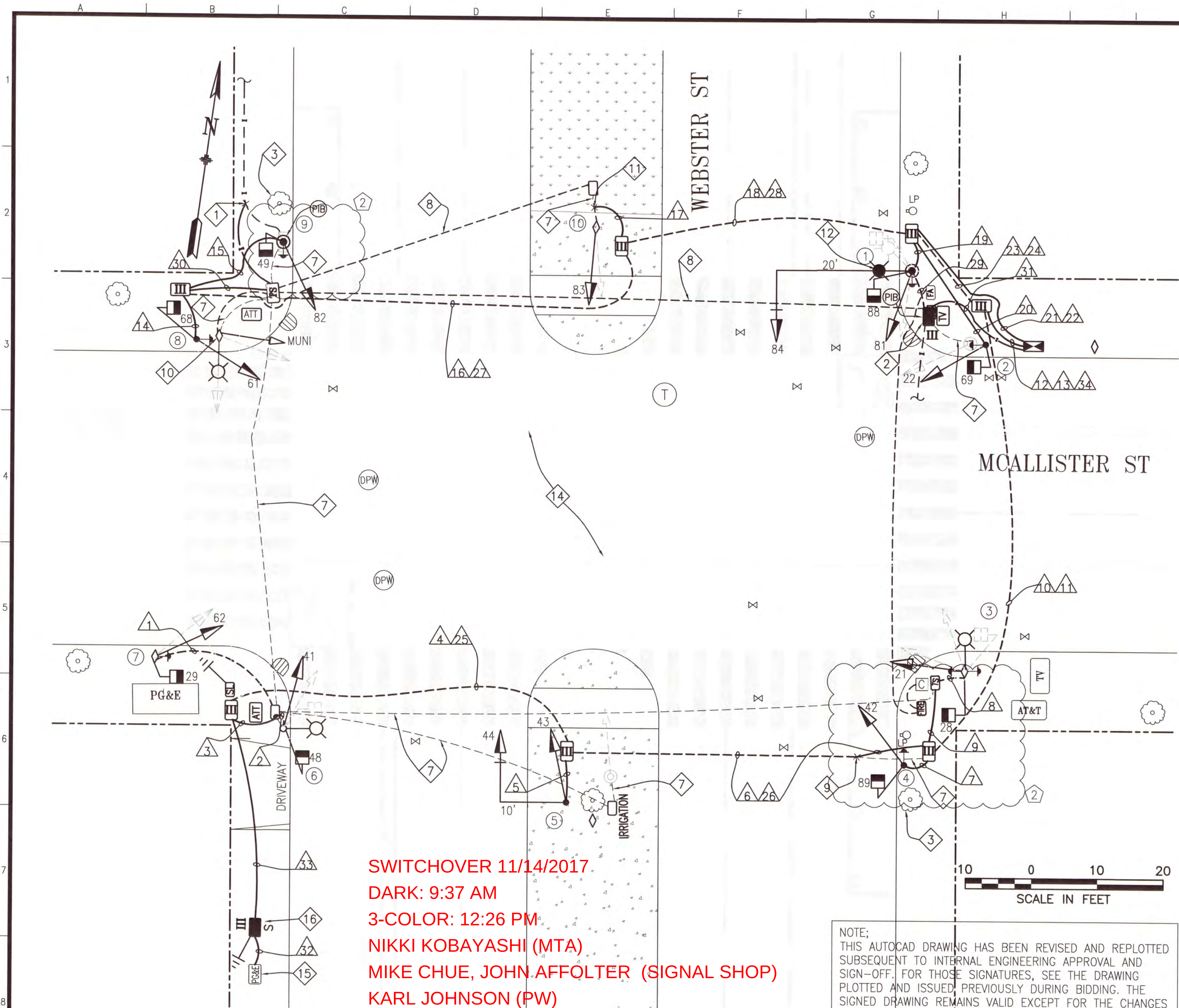
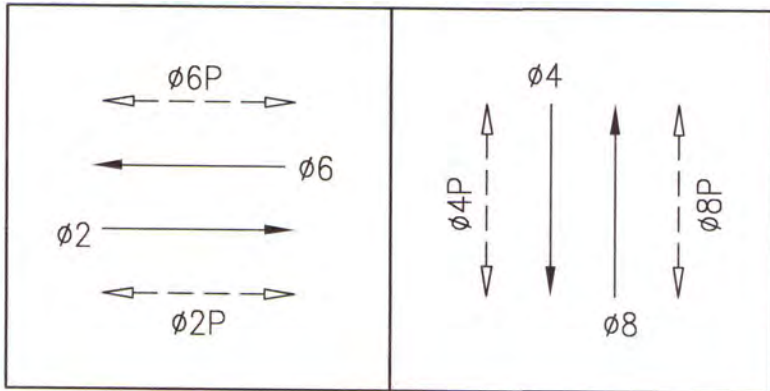




SWITCHOVER 11/14/2017
DARK: 9:37 AM
3-COLOR: 12:26 PM
NIKKI KOBAYASHI (MTA)
MIKE CHUE, JOHN AFFOLTER (SIGNAL SHOP)
KARL JOHNSON (PW)
HERMAN LEE, TORN SAELEE (BAL)

PHASE DIAGRAM



PHASE SEQUENCE

G		Y	R		MCCALLISTER ST EB & WB (#2 & #6)	
R			G	Y	R	WEBSTER ST SB & NB (#4 & #8)
WM	FRH		RH		PEDS XING WEBSTER ST SS & NS (#2P & #6P)	
	RH	WM	FRH	RH	PEDS XING MCCALLISTER ST WS & ES (#4P & #8P)	

NOTE: THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTTED 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 ALL ISSUED REVISIONS SUBSEQUENT TO PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS.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.

POLE AND EQUIPMENT SCHEDULE

POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
1	17-2-100 WITH 20' MA AND 6' LA	LED 73W	81 84	3S12"	SV-1-T MAS	T T	HORIZONTAL ON 84 GREEN	88	1S-COUNT	SP-1	BACKPLATE APS-2W
2	1-A (10')		22	3S12"	TV-1-T	T		69	1S-COUNT	SP-1	APS-2W
3	MUNI POLE		21	3S12"	SV-1-T	T		28	1S-COUNT	SP-1	APS-2W PPB
4	1-A (10')		42	3S12"	TV-1-T	T		89	1S-COUNT	SP-1	APS-2W
5	16-2-100 WITH 10' MA		43 44	3S12" 3S12"	SV-1-T MAS	T T					BACKPLATE
6	EX. MARBELITE STREET LIGHT		41	3S12"	SV-1-T	T		48	1S-COUNT	SP-1	APS-2W
7	MUNI POLE		62	3S12"	SV-1-T	T		29	1S-COUNT	SP-1	APS-2W
8	1-A (10')		61	3S12"	TV-1-T	T		68	1S-COUNT	SP-1 (28")	APS-2W
9	1-A (10')		82	3S12"	TV-1-T	T		49	1S-COUNT	SP-1	APS-2W
10	MUNI POLE		83	3S12"	SV-1-T	T					

SHEET NOTES:

- INTERCEPT (E) 12C AND EXTEND TO (E) TRAFFIC SIGNAL BOX. SPLICE TO (E) 12C TO MAINTAIN INTERCONNECT SYSTEM
- SPLICE AND EXTEND 12C AT NE CORNER TO NEW IC PER CONDUIT AND WIRING SCHEDULE
- PRIOR TO INSTALLATION OF STREETLIGHTS ON POLES 4 & 9, TRIM TREE UNDER THE DIRECTION OF BUREAU OF URBAN FORESTRY AT (415) 554-6700. THIS WORK SHALL BE CONSIDERED INCIDENTAL
- CONTRACTOR TO PROVIDE WIRING, CITY FORCES TO PROVIDE APS & PPB BUTTONS ON POLES AS SHOWN
- SPLICE NEW STREET LIGHT WIRING TO EXISTING STREET LIGHT WIRING TO MAINTAIN STREET LIGHT CIRCUIT
- MOUNT PLUMBIZER BETWEEN YELLOW AND GREEN SECTIONS
- ABANDON (E) CONDUIT AND WIRING. CUT (E) CONDUIT AND WIRING TO PULLBOX WALL AND CAP ENDS. PRIOR TO ABANDONING OF (E) CABLES IN (E) CONDUIT, FIELD VERIFY AND MAINTAIN INTERCONNECT, AS WELL AS SERVICES TO STREETLIGHTS, IRRIGATION AND TRAFFIC CONTROLLER
- REMOVE (E) TRAFFIC SIGNAL CABLES EXCEPT SERVICE TO STREETLIGHTS, IRRIGATION AND INTERCONNECT CABLES WHERE APPLICABLE. PRIOR TO REMOVAL OF (E) CABLES IN (E) CONDUIT, FIELD VERIFY AND MAINTAIN (E) SERVICES TO STREETLIGHTS, IRRIGATION AND INTERCONNECT
- INTERCEPT (E) 2-2" PVC CONDUITS AND BRING INTO (E) TYPE 3 PULL BOX NORTH OF NEW STREET LIGHT POLE FOUNDATION
- R/C EXTERNAL TRAFFIC SIGNAL RISER TO ONE FOOT BELOW GRADE
- INTERCEPT (E) 2" PVC CONDUIT AND BRING INTO (E) TYPE 3 PULL BOX
- PULL BACK (E) STREET LIGHT WIRING TO NEAREST PULL BOX, AND EXTEND TO (N) STREET LIGHT POLE
- INSTALL CITY FURNISHED ONE SECTION LED PEDESTRIAN COUNTDOWN SIGNAL MODULE IN CONTRACTOR FURNISHED ONE SECTION PEDESTRIAN SIGNAL HOUSING
- MAINTAIN EXISTING TROLLEY WIRES
- CONTROLLER SERVICE POINT IS A PG&E SECONDARY BOX LOCATED APPROXIMATELY 85' SOUTH OF THE SOUTHWEST CORNER OF MCCALLISTER AND WEBSTER STREETS PROPERTY LINE. COORDINATE WITH PG&E THROUGH SFPUC FOR ACTIVATION OF SERVICE POINT.
- PROVIDE 40A INLINE FUSE AND FUSE HOLDER FOR TRAFFIC SIGNAL SERVICE WIRE AND CAP UNUSED SERVICE WIRE
- CONTRACTOR TO COORDINATE WITH HIEU DOAN (HDOAN@SFWATER.ORG) OF SFPUC TO DELIVER THE STREETLIGHT POLES

2	9/2017	PCO 4-POLE 4 & 9 CHANGED FROM STREETLIGHT TO I-A	CMF	PT
1	8/2017	PCO 3-REVISED PG&E SERVICE POINT CONNECTION	CMF	SL
NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



DESIGN & ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Section Mgr:	PHILIP THWIN	Date:	
Deputy Division Mgr:	IQBALBHAI DHAPA		
Division Mgr:	PATRICK RIVERA		

DESIGNED:	DATE:
DY/NL	10/2016
DRAWN:	DATE:
DY/NL	10/2016
CHECKED:	DATE:
GD/SL	10/2016



SCALE:
AS SHOWN
SHEET OF SHEETS
10 OF 23

WEBSTER STREET
PEDESTRIAN COUNTDOWN SIGNAL UPGRADE

MCCALLISTER STREET AND WEBSTER STREET
TRAFFIC SIGNAL WORK

CONTRACT NO.	2785J
DRAWING NO.	E-1.0
FILE NO.	106,874
REV. NO.	2

