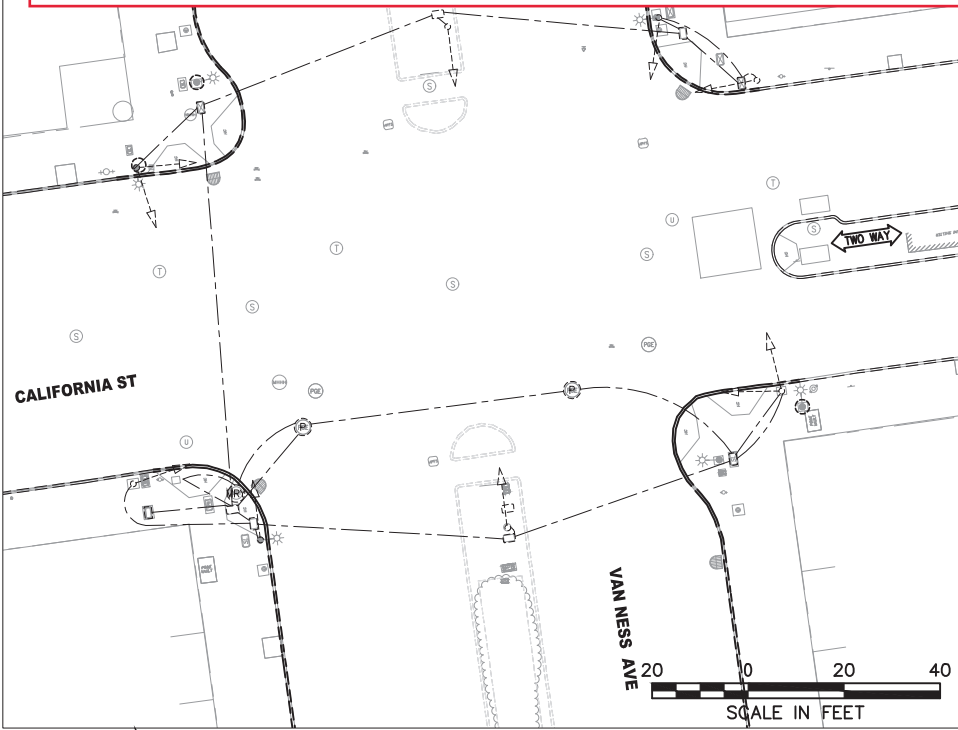
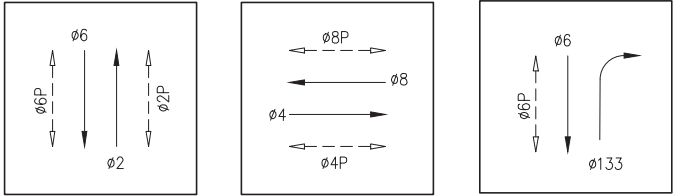


4/27/21 Traffic Signal Switchover
9:14am Dark, 9:40am Emergency Flash, 9:54am 3-color. APS
not installed yet. Transit Signal 131 & 133 disabled.

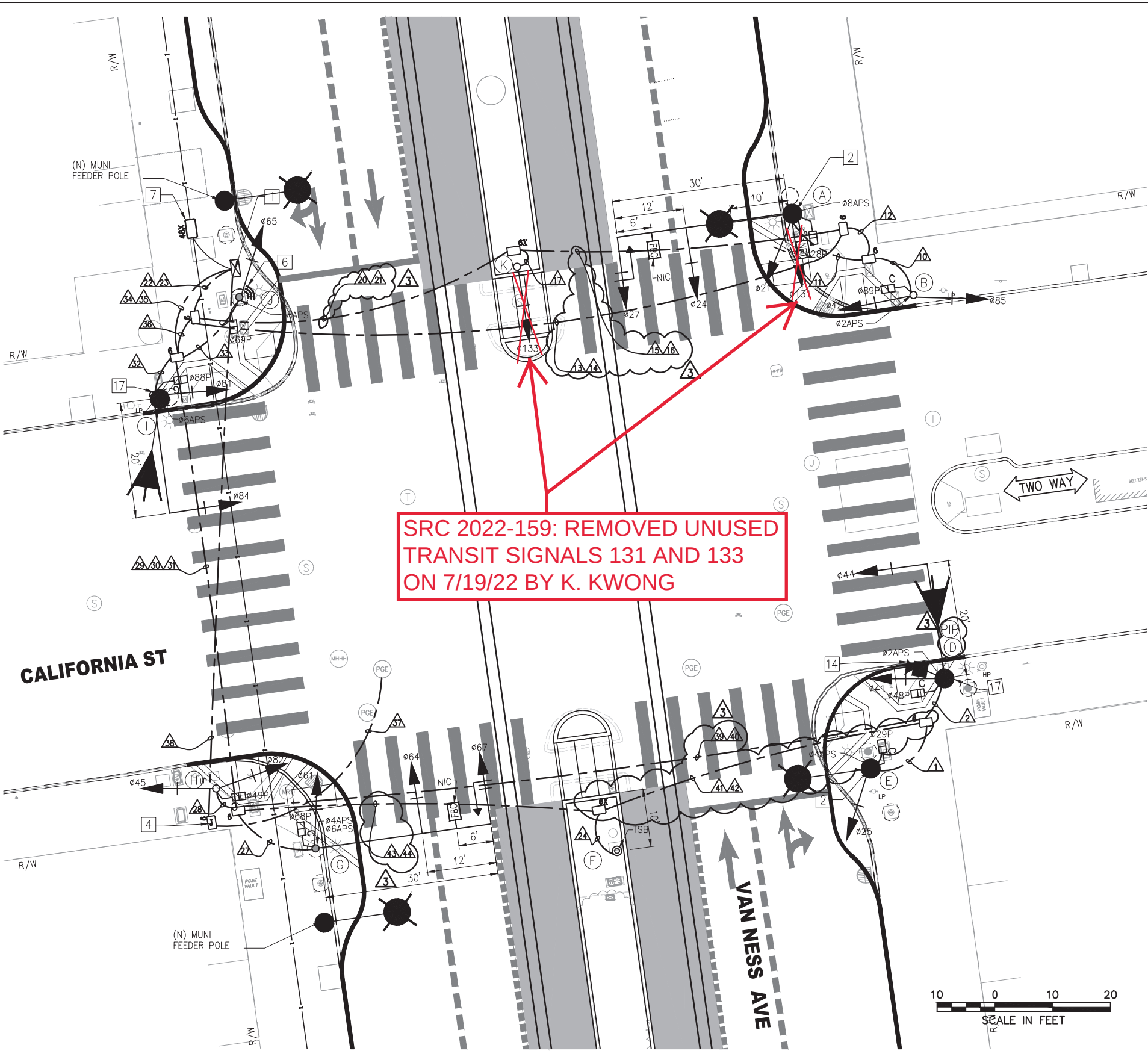
Staff
Ken Kwong (TE), Phong Nguyen (Signal Shop), Danny Guevara
(Signal Shop), Glenn Wilson (CPC), Cameron Peters (Phoenix),
Wilson Lew (Phoenix)



EXISTING EQUIPMENT



PHASE DIAGRAM



SRC 2022-159: REMOVED UNUSED
TRANSIT SIGNALS 131 AND 133
ON 7/19/22 BY K. KWONG

FOR ORIGINAL SIGNATURES, SEE ET-117.0, REV 0

3	11/10/20	CONFORMED SET: UPDATED W/RFI #932 AND #973	KK	MV	CL
2	7/18/19	LATEST DRAWING	KK	MV	CL
SK	5/31/19	RFI #653 - POLE H APS ON POLE G & REMOVE CA MEDIAN PPBP & PULLBOX; E/S CONDUITS TO S/S & 6X	KK	MV	CL
1	03/2018	ADDED FBC SIGNS ON POLES A AND G; ADDED TYPE 6X PULLBOX	KK	MV	CL
NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

DESIGNED	K. KWONG
DRAWN	K. KWONG
CHECKED	R. ZAMORA/G. LIU
REVIEWED	C. LIU
RECOMMENDED	P. WILSON
APPROVED	R. OLEA
DATE	12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED

for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

CALIFORNIA STREET
TRAFFIC SIGNAL WORK

1289

ET-117.0

ET-204

REVISION

3

I:\T_E_FILES\SP\Projects\Van Ness BRT\Signal Design\CADD\ CPTB401ETBS - 100% Rev. 3-3-21.dwg KKWONG Tue Mar 09,2021 - 12:15 pm
BORDER REVISED 11/17/05

F:\T.E. FILES\Sp\o\Projects\Van Ness BRT\Signal Design\CADD\ CPTB401ETBS - 100% Rev. 3-3-21.dwg KKWONG Tue Mar 09,2021 - 12:15 pm

POLE AND EQUIPMENT SCHEDULE													
POLE NO.	POLE STANDARD			VEHICLE SIGNAL					PEDESTRIAN SIGNAL			HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENTS
	TYPE	SIG. MA (FEET)	OCS SL	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING		
A	SIGNAL, SL & OCS COMBO POLE	30	1600 162	21	3S12"	SV-1-T	T		28	1S-COUNT	SP-1	-	STRAIGHT HORIZ. SIGNAL MA MOUNT AT 21' HIGH SIGNAL 131 MOUNT AT 18' HIGH SEE ST PLANS FOR POLE DETAILS "NO RIGHT TURN" BLANK-OUT SIGN APS 1 TENON FOR FUTURE FBC MIDWAY BETWEEN MAS SIGNALS
				24	3S12"	MAS	T						
				27	3S12"GUA	MAS	T						
				131	3S12"RB	SV-1-T	T						
B	1-A (10')	-		42 85	3S12" 3S12"	TV-2-T	T T		89	1S-COUNT	SP-1	-	APS 1
C	NOT USED	-		-	-	-	-		-	-	-	-	
D	17-2-100	20	163	41 44	3S12" 3S12"	SV-1-T MAS	T T		48	1S-COUNT	SP-1	-	APS 1 TRAFFIC CAMERA 3 PIP - INSTALL NEW POLE IN PLACE OF EXISTING POLE 3
E	SIGNAL, SL & OCS COMBO POLE	-	1560 158	25	3S12"	SV-1-T	T		29	1S-COUNT	SP-1	-	APS 1
F	TSB POLE	-		-	-	-	-		-	-	-	-	TSB
G	SPECIAL MAST ARM POLE (18-4-100)	30		61 64 67	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T		68	1S-COUNT	SP-1	-	STRAIGHT HORIZONTAL SIGNAL MA MOUNT AT 21' HIGH APS x2 1 TENON FOR FUTURE FBC MIDWAY BETWEEN MAS SIGNALS
H	1-A (10')	-		82 45	3S12" 3S12"	TV-2-T	T T		49	1S-COUNT	SP-1	-	
I	17-2-100	20	172	81 84	3S12" 3S12"	SV-1-T MAS	T T		88	1S-COUNT	SP-1	-	APS 1
J	1-A (10')	-		65	3S12"	TV-1-T	T		69	1S-COUNT	SP-1	-	APS 1 TSP 2
K	1-A (10')	-		133	3S12"RB	TV-1-T	T		-	-	-	-	

MOUNT SIGNAL 27 BETWEEN YELLOW AND GREEN 3

3

MOUNT SIGNAL 67 BETWEEN YELLOW AND GREEN 3

*OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS, AND STANDARD SPECIFICATIONS.
FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN SIGNAL MOUNTING, SEE CALTRANS STANDARD PLANS OR DETAIL DRAWINGS.

- 1 INSTALL APS WIRING AS SHOWN IN CONDUIT AND WIRING SCHEDULE. CITY FORCES TO INSTALL CITY FURNISHED APS UNIT.
- 2 INSTALL CITY FURNISHED TSP WIRING FROM TS OR COMBINED POLES WITH 3 FEET OF SLACK TO TS CABINET.
- 3 INSTALL CITY FURNISHED TRAFFIC CAMERA AND CONTRACTOR FURNISHED WIRING.
- 4 FOR STREETLIGHT WORK, SEE SL-SERIES PLANS.

SRC 2022-159: REMOVED UNUSED TRANSIT SIGNALS 131 AND 133 ON 7/19/22 BY K. KWONG

FOR ORIGINAL SIGNATURES, SEE ET-117.1, REV 0

3	11/10/20	CONFORMED SET: UPDATED W/RFI #973 AND #998	KK	MV	CL
2	7/18/19	LATEST DRAWING	KK	MV	CL
SK	5/31/19	RFI #653 - POLE H APS ON POLE G AND REMOVE CA MEDIAN PPB POLE AND PULLBOX	KK	MV	CL
1	03/2018	UPDATED POLE STANDARD AND SPECIAL REQUIREMENT; UPDATED POLES A AND G; ADDED FBC TENON NOTE	KK	MV	CL
NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

DESIGNED	K. KWONG
DRAWN	K. KWONG
CHECKED	R. ZAMORA/G. LUU
REVIEWED	C. LUU
RECOMMENDED	P. WILSON
APPROVED	R. OLEA
DATE	12/4/2015



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MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

CALIFORNIA STREET
CONDUCTOR POLE AND EQUIPMENT SCHEDULES

1289

ET-117.1

ET-204

REVISION

3

F:\T_E_FILES\SPo\Projects\Van Ness BRT\Signal Design\CADD\GPB404ETBS - 100% Rev. 3-3-21.dwg KKWONG Tue Mar 09 2021 - 12:15 pm

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	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
CONDUIT SIZE (INCH)	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	2	1	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2	2	2	2	2	2
				SP	SP			SP	SP				SP		SP	SP		SP	SP	SP				GRS		SP						SP				SP				SP	SP	SP	SP	SP
VEHICLE SIGNAL Ø25	3		3				3																			3									3								2	
PED SIGNAL Ø29P	2																																											
APS PPB FOR XING VAN NESS SS ON POLE E	2																																											
VEHICLE SIGNAL Ø41		3	3				3																				3								3									
VEHICLE SIGNAL Ø44		3	3				3																				3								3									
PED SIGNAL Ø48P		2	2				2																														2							
APS PPB FOR XING CALIFORNIA ES ON POLE D		2	2				2																													2								
APS PPB FOR XING CALIFORNIA ES ON POLE C						2	2						2									2																						
VEHICLE SIGNAL Ø42										3		3		3								3																						
VEHICLE SIGNAL Ø85										3		3		3								3																						
PED SIGNAL Ø89P										2		2		2								2																						
APS PPB FOR XING CALIFORNIA ES ON POLE B										2		2		2								2																						
TRANSIT SIGNAL Ø131											3	3		3								3																						
VEHICLE SIGNAL Ø21											3	3		3								3																						
VEHICLE SIGNAL Ø24											3	3		3								3																						
VEHICLE SIGNAL Ø27											3	3		3								3																						
PED SIGNAL Ø28P											2	2		2								2																						
APS PPB FOR XING VAN NESS NS ON POLE A											2	2		2								2																						
TRANSIT SIGNAL Ø133																		3	3		3		3																					
TSB ON POLE F																								2	2				2													2		
VEHICLE SIGNAL Ø61																												3		3													2	
VEHICLE SIGNAL Ø64																												3		3														
VEHICLE SIGNAL Ø67																												3		3														
PED SIGNAL Ø68P																												2		2														
APS PPB FOR XING VAN NESS SS ON POLE G																												2		2														
VEHICLE SIGNAL Ø45																													3	3														
VEHICLE SIGNAL Ø82																													3	3														
PED SIGNAL Ø49P																													2		2													
APS PPB FOR XING CALIFORNIA WS ON POLE G																												2		2														
VEHICLE SIGNAL Ø81																																												
VEHICLE SIGNAL Ø84																																												
PED SIGNAL Ø88P																																												
APS PPB FOR XING CALIFORNIA WS ON POLE I																																												
VEHICLE SIGNAL Ø65																																												
PED SIGNAL Ø69P																																												
APS PPB FOR XING VAN NESS NS ON POLE J																																												
#14 NEUTRAL	2	3								2	5							1										4	2					3	2									
#14 SPARE			3				3					3	3		3			3	3		3																							
TOTAL #14 WIRES	9	13	30				30			12	18	26	30	26				1	20	32	3	26		2	22		19	10	28	20		13	9	45	20					20		2		
#10 WIRES NEUTRAL			1				1					1	1	1				1	1	1		1	1																					
#4 WIRES (120 V SERVICE)																																												
#8 WIRES (120 V SERVICE)																																												
#6 BSCW (SEE GENERAL NOTE 10)																																												
TSP RECEIVER (10 CONDUCTOR CABLE)																																												
NO RIGHT TURN EMS WIRES (1#14, 1#10 & 1#6 GROUND)											1	1		1								1																						
CCTV CAMERA WIRES (CAT6)		1																																										

SRC 2022-159:
REMOVED
UNUSED TRANSIT
SIGNALS 131 AND
133 ON 7/19/22 BY
K. KWONG

2	11/10/20	CONFORMED SET: UPDATED W/RFI #591, #932, #948	KK	MV	CL
1	7/18/19	LATEST DRAWING	KK	MV	CL
SK	5/31/19	RFI #653 - POLE H APS ON POLE G AND REMOVE CA MEDIAN PPB POLE AND PULLBOX; E/S CONDUITS TO S/S	KK	MV	CL
NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

DESIGNED	K. KWONG
DRAWN	K. KWONG
CHECKED	R. ZAMORA/C. LU
REVIEWED	C. LU
RECOMMENDED	P. WILSON
APPROVED	R. OLEA
DATE	12/4/2015



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CALIFORNIA STREET
CONDUIT & WIRING SCHEDULES

1289

ET-117.2

ET-204

REVISION

2